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(54) Title: IDENTIFYING AND MODULATING MOLECULAR PATHWAYS THAT MEDIATE NERVOUS SYSTEM PLASTICITY

(57) **Abstract:** The present invention provides methods for identifying genes and pathways involved in plasticity. The invention applies some of these methods to identify genes that are differentially regulated in at least a portion of the nervous system of an individual subjected to conditions known to result in altered nervous system plasticity, i.e., dark rearing (DR) or monocular deprivation (MD). The genes are targets for pharmacological agents that modify plasticity. The invention also identifies biological pathways that are enriched in genes that are differentially regulated under conditions known to result in altered nervous system plasticity. The present invention further provides methods and compositions for modifying plasticity in the nervous system of a subject. The invention includes a method for modifying plasticity in the nervous system of a subject comprising administering a plasticity-modifying agent to the subject, wherein the plasticity-enhancing agent modulates a gene or pathway that is differentially regulated in developmental conditions that alter nervous system plasticity (e.g., DR or MD). The methods and compositions may be administered to a subject suffering from damage to the nervous system or from a neuropsychiatric disorder in order to enhance recovery, reorganization, or function of the nervous system. The methods optionally include administering a proteolysis-enhancing agent to the subject.

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IDENTIFYING AND MODULATING MOLECULAR PATHWAYS THAT MEDIATE NERVOUS SYSTEM PLASTICITY

Related Applications

[0001] The present application claims priority under 35 U.S.C. § 119(e) to U.S. provisional patent application U.S.S.N. 60/792,275, filed April 14, 2006, which is incorporated herein by reference.

Government Support

[0002] This invention was made with Government Support under Grant No. EYO 141 34 awarded by the NIH. The Government has certain rights in the invention.

Background of the Invention

[0003] Diseases and accidents leading to nervous system damage or degeneration are among the leading causes of mortality and morbidity in many countries. For example, approximately 700,000 people suffer a first or recurrent stroke annually in the United States, resulting in over 150,000 deaths. Although stroke represents the most common cause of damage to the central nervous system (CNS), a number of other conditions are also significant causes of functional deficits due to loss of brain tissue, either as a direct consequence of injury, or secondary to events such as swelling. Among these are primary brain tumors, brain metastases, and surgery for these or other conditions.

[0004] Strokes are a result of a sudden disruption of blood flow to a part of the brain and occur when a blood vessel that normally supplies brain tissue either bursts or becomes transiently or permanently blocked, such as by a blood clot ***(e.g.,*** a thromboenï bolus) or other embolus or obstruction. The resulting disruption in normal blood flow deprives the affected tissue of needed oxygen and nutrients and can also impair removal of waste products, resulting in damage to, or death of, nervous system cells. Currently the only therapy for ischemic stroke approved by the U.S. Food and Drug Administration (FDA) is infusion of the thrombolytic agent tissue type plasminogen activator (tPA) within a short time window following the causative event. Such thrombolytic therapy was shown to be both safe and beneficial if delivered within 3 hours of the onset of symptoms (NINDS, Tissue plasminogen activator for acute ischemic stroke. The national institute of neurological disorders and stroke RT-PA stroke study group. *N. Engl. J. Med.* 333: 1581-1587, 1995).

[0005] While stroke is the third leading cause of death in industrialized countries, in most cases stroke is not fatal. However, stroke is a major cause of morbidity and a leading cause of serious, long-term disability. About 4.8 million stroke survivors are alive today in the United States, with a much larger total number worldwide. Many of these individuals suffer from functional limitations affecting the senses, motor activity, speech and/or the ability to understand speech, behavior, thought patterns, memory, emotions, or other aspects of cognition. Although functional deficits following stroke may be permanent, in many cases full or partial recovery is possible. The mainstays of treatment are supportive care and rehabilitation therapy, which frequently continues for months or years. Unfortunately, there are no pharmacological agents that have demonstrated efficacy in improving the long-term outcome of stroke.

[0006] Approximately 10,000-12,000 individuals suffer spinal cord injuries (SCI) each year in the United States, bringing the projected prevalence rate in the United States to nearly 280,000 by the year 2014 (DeVivo, M.J., 2002) Improvements in supportive care have greatly increased the survival rate following such injuries, but therapeutic options remain limited, and efforts focus on rehabilitation. Tumors affecting the spinal cord or meninges (either primary tumors or metastases) are also a significant source of morbidity.

[0007] Disorders of the nervous system also have a massive impact on society. Disorders of brain development, such as autism, now afflict about 1 in 166 children. The total number of individuals in the U.S. afflicted with autism, learning disabilities, and similar disorders is estimated to exceed 4 million. Neuropsychiatric disorders such as schizophrenia and bipolar disorders extract a huge cost in lifetime care for afflicted individuals as well as emotional toll on caregivers and families. Neurodevelopmental disorders such as autism are usually treated with behavioral therapies alone, and these strategies have limited success. Similarly, neuropsychiatric disorders such as schizophrenia and bipolar disorder have very limited therapeutic possibilities.

[0008] Thus there is a need in the art for improved treatments, particularly pharmacological treatments, that would enhance recovery following damage to the CNS and/or help improve CNS and cognitive function in neuropsychiatric and neurodevelopmental disorders. Common to a large range of CNS conditions is the concept that they centrally involve the function of synapses and their ability to change *(i.e.,* plasticity). Thus, there is a need for new approaches to the identification of genes, molecules, cell types, and biological pathways that play a role in key nervous system properties such as plasticity and that can be modulated to provide a therapeutic benefit.

Summary of the Invention

[0009] The invention provides a method of identifying a gene involved in plasticity comprising steps of: subjecting an individual to a condition that modifies nervous system plasticity; measuring level or activity of each of a plurality of genes in at least a portion of the individual's nervous system; and identifying one or more genes whose expression or activity is differentially regulated in the portion of the individual's nervous system relative to its expression or activity under alternative conditions. In some embodiments, the condition comprises depriving at least a portion of the individual's nervous system of normal inputs. The method may comprise identifying a biological pathway or process enriched in genes that are differentially regulated in at least a portion of the nervous system of an individual subjected to a plasticity-modifying condition.

[0010] The invention provides genes that are differentially regulated under conditions that modify plasticity. The invention provides biological pathways that are enriched in such genes. The invention identifies a specific cell type, parvalbumin containing interneurons, as being downregulated under conditions that prolong plasticity. Based at least in part on the identification of these genes, pathways, and cell type, the invention provides combinations of plasticity-modifying agents of particular use. For example, in one embodiment an activator of the insulin-like growth factor 1 (IGFl) pathway (*e.g.,* IGFl or an active peptide fragment thereof; or a modulator of the JAK/STAT pathway, *e.g.,* IFNγ or an HMG-CoA reductase inhibitor such as a statin) are administered to a subject either individually or in a single composition.

[0011] The present invention provides a method for modifying plasticity in the nervous system of a subject comprising the step of: administering a plasticity-modifying agent to a subject in need thereof, wherein the agent is administered either alone or in combination with one or more additional agents in an amount effective to modify nervous system plasticity, wherein the plasticity-modifying agent modulates a gene or pathway that is differentially regulated in at least a portion of the nervous system of an individual subjected to a plasticity-modifying condition. The agent may be administered once, multiple times, and/or continuously. The time may be selected in conjunction with the amount to be effective to modify nervous system plasticity. Exemplary plasticity-modifying condition comprise dark rearing or monocular deprivation.

[0012] The invention includes a method for promoting recovery and/or reorganization in the nervous system of a subject in need of enhancement of recovery and/or reorganization of the nervous system comprising administering a plasticity-modifying agent to the subject, wherein the plasticity-enhancing agent modulates a gene or pathway that is differentially regulated in the nervous system of an individual subjected to a plasticity-modifying condition, *e.g.,* dark-rearing (DR) or monocular deprivation (MD). The agent is administered in an amount effective to promote recovery or reorganization in the nervous system. The agent may be administered once, multiple times, and/or continuously. The time may be selected in conjunction with the amount to be effective to promote nervous system recovery or reorganization. The subject may-be in need of recovery or reorganization of the nervous system as a result of ischemic, hemorrhagic, neoplastic, degenerative, traumatic, and/or neurodevelopmental damage to the nervous system. The subject may be in need of reorganization of the nervous system as a result of a neurodevelopmental or neuropsychiatric disorder. The method can include a step of identifying or providing, *e.g.,* diagnosing a subject as having suffered such damage or having a neurodevelopmental or neuropsychiatric disorder. The methods can include a step of identifying or diagnosing the subject as having a reasonable likelihood *(e.g.,* at least a 5% chance, at least a 10%, or at least a 50% chance).

[0013] The methods may also include administering a proteolysis-enhancing agent such as tissue plasminogen activator (tPA), plasmin, or a PAI inhibitor to the nervous system of the subject. A plasticity-modifying agent of the present invention is, in general, distinct from the proteolysis-enhancing agents described herein. The plasticity-modifying agent and the proteolysis-enhancing agent may be administered as part of a single composition or individually. The present invention provides a composition comprising a plasticity-modifying agent and a proteolysis-enhancing agent. The composition(s) can be delivered using a variety of techniques including injection, via infusion pump, from an implantable microchip, or using a polymeric delivery vehicle. The composition(s) can be administered, for example, to one or more subdivisions or areas of the brain, the spinal cord, or to one or more nerves or nerve tracts innervating diverse regions of the body.

[0014] In certain embodiments the composition is administered by implanting into the subject a drug delivery device that releases the plasticity-modifying agent over a period of time at or in the vicinity of a desired location. The desired location can be, for example, an area of ischemic, hemorrhagic, neoplastic, degenerative, traumatic, and/or neurodevelopmental damage in the central or peripheral nervous system, or location in a brain hemisphere opposite to an area of damage. In some embodiments the drug delivery device comprises a pump. In some embodiments the drug delivery device comprises a biocompatible polymer, *e.g.,* a biodegradable polymer. In some embodiments the polymeric matrix of the drug delivery device comprises a hydrogel. In some embodiments of the invention the composition comprises a plurality of polymeric microparticles or nanoparticles having the plasticity-modifying agent associated therewith *(e.g.,* encapsulated therein, adsorbed thereon, entangled in a polymer network, *etc.).*

[0015] The invention also includes a drug delivery device for implantation into the body of a subject to modify plasticity. In certain embodiments of the invention the device is implanted to promote nervous system reorganization and/or recovery following ischemic, hemorrhagic, neoplastic, traumatic, degenerative, and/or neurodevelopmental damage.

[0016] An inventive device may include a proteolysis-enhancing agent, *e.g.,* a proteolytic agent such as a protease. Alternatively or additionally, a proteolysis-enhancing agent can be administered separately. In certain embodiments the proteolysis-enhancing agent is plasmin, a plasminogen activator, and/or an inhibitor of an endogenous plasminogen activator inhibitor. For example, in certain embodiments, the proteolysis-enhancing agent is tissue plasminogen activator (tPA), *e.g.,* human tPA. In certain embodiments of the invention, the proteolysis-enhancing agent is plasmin. In certain embodiments, the proteolysis-enhancing agent promotes degradation of a component of the extracellular matrix (ECM). In certain embodiments, the proteolytic agent directly or indirectly degrades fibrin.

[0017] Optionally, the plasticity-modifying agent and/or the proteolysis-enhancing agent is covalently attached to a polymer by an optionally cleavable linkage. In some embodiments, one or both of the plasticity-modifying agent and the proteolysis-enhancing agent is delivered in a solution that forms a gel following contact with physiological fluids. The plasticity-modifying agent and, optionally, a proteolysis-enhancing agent may, for example, be delivered in an amount effective to promote structural reorganization of synaptic connections, increase formation of new synaptic connections, increase dendritic spine motility, promote growth of axons and synaptic connections, inhibit at least in part functional and/or structural deterioration or degradation, stabilize synapses, or any combination of the foregoing.

[0018] In certain embodiments the composition comprises one or more neural growth enhancing agents, neurotransmitters or analogs thereof, neurally active growth factors, neural signaling molecules, neurally active small molecules, and neurally active metals. Alternatively or additionally, one or more of these agents can be administered separately, for example, by focal administration to the nervous system or by an alternate route.

[0019J The invention further provides a method of treating a subject in need of enhancement of recovery or reorganization in the nervous system comprising focally administering a composition comprising a plasticity-modifying agent and a proteolysis-enhancing agent to the central or peripheral nervous system of the subject. The subject will typically have suffered nervous system damage as a result of ischemic, hemorrhagic, neoplastic, degenerative, traumatic, and/or neurodevelopmental damage. The invention provides methods of treating a subject in need of enhancement of recovery and/or reorganization in the nervous system comprising administering a plasticity-modifying agent, a proteolysis-enhancing agent, and a neural growth enhancing agent to the subject. One, more than one, or all of the agents can be administered focally to the central or peripheral nervous system. Agents can be administered separately or in a single composition. Any of the methods for administration contemplated herein can be used.

[0020] In any of the inventive methods, the subject may be engaged in a program of rehabilitation designed to promote functional recovery following ischemic, hemorrhagic, neoplastic, traumatic, and/or neurodevelopmental damage to the nervous system, wherein the subject is so engaged during at least part of the time interval during which the agent is administered or during which the agent remains active in the nervous system of the subject.

[0021] In any of the methods described herein, the subject may be engaged in a program of behavioral or cognitive therapy to improve function of the nervous system following from a neurodevelopmental disorder, wherein the subject is so engaged during at least part of the time interval during which the agent is administered or during which the agent remains active in the nervous system of the subject.

[0022] The present invention provides drug delivery devices comprising: a biocompatible polymer and a plasticity-modifying agent, wherein the plasticity-modifying agent agent is released from the polymer in an amount effective to promote structural or functional recovery or reorganization in the nervous system of the subject. The device may comprise a proteolysis-enhancing agent.

[0023] The present invention provides compositions comprising a plasticity-modifying agent and a neural growth enhancing agent, which is optionally selected from among neurotransmitters or analogs thereof, neurally active growth factors, neural signaling molecules, and neurally active small molecules, and neurally active metals. The invention comprises drug delivery devices, *e.g.*, polymer-based drug delivery devices, comprising the composition.

[0024] This application refers to various patents and publications. The contents of all of these are incorporated by reference. In addition, the following publications are incorporated herein by reference: Ausubel, F., (ed.). *Current Protocols in Molecular Biology, Current Protocols in Immunology, Current Protocols in Protein Science,* and *Current Protocols in Cell Biology,* all John Wiley & Sons, N.Y., edition as of July 2002; Sambrook, Russell, and Sambrook, *Molecular Cloning: A Laboratory Manual,* 3rd ed., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, 2001; Kandel, E., Schwartz, J.H., Jessell, T.M., (eds.), *Principles of Neural Science,* 4th ed., McGraw Hill, 2000; Cowan, W.M., Südhof, T.C., and Stevens, CF. , (eds.), *Synapses*, The Johns Hopkins University Press, Baltimore and London, 2001; and Hardman, J., Limbird. E., Gilman, A. (Eds.), Victor, M. and Ropper, A.H., *Adams and Victor's Principles of Neurology,* 7th ed., McGraw Hill, 2000; Grossman, R.I. and Yousem, D.M., *Neuroradiology: The Requisites,* 2nd ed., CV. Mosby, 2003; Gillen, G. and Burkhardt, A. (eds.), *Stroke Rehabilitation: A Function-Based Approach,* 2nd ed., CV. Mosby, 2004; Somers, M.F., *Spinal Cord Injury: Functional Rehabilitation, 2nd* ed., Prentice Hall, 2001; *Goodman and Gilman's The Pharmacological Basis of Therapeutics,* 10th Ed., McGraw Hill, 2001 (referred to herein as *Goodman and Gilman).* In the event of a conflict or inconsistency between any of the incorporated references and the instant specification or the understanding of one or ordinary skill in the art, the specification shall control, it being understood that the determination of whether a conflict or inconsistency exists is within the discretion of the inventors and can be made at any time.

[0025] Where ranges of numerical values are stated herein, the endpoints are included within the range unless otherwise stated or otherwise evident from the context. Where a range of values is provided, it is understood that each intervening value, to the tenth of the unit of the lower limit unless the context clearly dictates otherwise, between the upper and lower limits of that range is also specifically disclosed. Each smaller range between any stated value or intervening value in a stated range and any other stated or intervening value in that stated range is encompassed within the invention. The upper and lower limits of these smaller ranges may independently be included in or excluded from the range, and each range where either, neither or both limits are included in the smaller ranges is also encompassed within the invention, subject to any specifically excluded limit in the stated range. Where the stated range includes one or both of the limits, ranges excluding either or both of those included limits are also included in the invention.

[0026] This application refers to various genes and proteins using names that are well known in the art. At times one or more identifiers and/or accession numbers for these genes and proteins are provided. Such names, identifiers, and/or accession numbers are utilized in various databases available to one of skill in the art such as Genbank and Pubmed. For example, one of skill in the art can search the Entrez Gene database provided by the National Center for Biotechnology Information (NCBI), available at the web site having URL wvAV.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=search&DB=gene and can thereby locate the Gene ID for any particular gene or protein of interest. The Gene ID entry provides biological information, alternate names, chromosomal location, *etc.*, as well as links to database entries for the corresponding nucleotide and protein sequences and references in the scientific literature. It will be appreciated that the names and/or sequences of genes mentioned herein may differ in different species. The invention encompasses the genes regardless of species. When the methods for modifying plasticity, nervous system structure or function, nervous system recovery or reorganization, *etc.*, are applied to a subject it may be preferable to employ agents that modulate the expression and/or activity of genes and/or pathways as they exist in the species to which the subject belongs, although in many cases such agents will be effective in multiple species. In certain embodiments of the invention the gene is a human gene. One of skill in the art will be able to identify the human homologs of mouse genes mentioned herein in other species such as humans.

Brief Description of the Drawing

[0027] *Figure 1:* Analysis and characterization of genes activated in different paradigms of visual input deprivation. (A) Three experimental groups were considered: control mice, dark-reared (DR) mice and monocularly-deprived (MD) mice. From each sample, tissue from anatomically defined primary visual cortex (Vl) was taken at P27. For control and DR mice, V1 was taken from both hemispheres, while for MD mice only V1 contralateral to the deprived eye was used. For each sample, total RNA was extracted and processed for the microarray procedure. MD and DR samples were compared to the control independently, each with two different computational methods (see Example 1): the Significance Analysis of Microarrays (SAM) for analysis of single genes, and gene set enrichment analysis (GSEA). Each procedure identified single genes or gene sets that were up- or down-regulated in deprived groups versus control. This led to the identification of cellular events involved in the two models of input deprivation. (B, C) Comparison of gene expression in (B) dark-reared versus control and (C) monocularly deprived versus control animals, showing the expression levels of all probes. Genes showing significantly different expression levels ($p \leq$

0.01) are shown in red (overexpression in deprivation protocol) or in green (overexpression in control). Gene expression is shown on a logarithmic scale. The dashed white line corresponds to identity (y=x). (D) Heat map showing the levels of expression of representative genes that showed differential expression among those selected for our analysis ($p \leq 0.01$). Each column corresponds to a separate sample (n=6 for MD, n=3 for DR and n=3 for control). High levels of expression correspond to brilliant red, low levels of expression correspond to dark blue (see bottom of the figure for color scale). For each group, 25 randomly chosen genes among the significant genes are shown here. Genes within each group are sorted based on their expression values.

[0028] *Figure 2:* Regulation of genes involved in excitatory and inhibitory transmission in MD and DR animals. (A) Numbers of inhibitory/ excitatory receptor genes that are significantly upregulated in MD or DR versus control. (B) Representation of the Microarray Expression Levels (MEL) in control (con), Monocularly Deprived (MD) and Dark Reared (DR) animals of glutamic acid decarboxylase genes (GAD65 and GAD67), the synthetic enzymes for GABA, and different classes of inhibitory neurons. Only the probes for parvalbumin are significantly downregulated in DR, while the other markers are either upregulated or unchanged (star indicates two-tailed t test, $P<0.05$).

[0029] *Figure 3:* Confirmation of selected molecules with RT-PCR. (A) Heat map of the genes confirmed with semi-quantitative PCR. The level of expression is represented in logarithmic scale; red corresponds to maximal expression and blue to minimal expression. The genes are ranked according to their expression level after MD. (B, C) Representation of the fold increase of selected molecules in DR (B) and MD (C) versus control, showing the ratio between DR or MD versus control for Microarray Expression Levels (red) and PCR values (green). A star indicates that the microarray expression of the corresponding gene is significantly upregulated (two-tailed t test PO. 05) in DR vs. control or MD versus control.

[0030] *Figure 4:* Gene Set Enrichment Analysis of gene expression after DR and MD. (A) Example analysis of enrichment of the ARF pathway in the MD versus control data set. The hypothesis tested is that the expression of the ARF gene set (n= 19 genes) is enriched in the MD versus control data set. The genes in the dataset are ranked according to a correlation statistic (signal-to-noise ratio); genes up-regulated after MD vs. control appear first while genes up-regulated in control (that is, downregulated in MD vs. control) appear late. The straight lines represent genes in the ranked list that are in the ARF pathway (bottom). The running enrichment score is plotted in the upper graph (top). The peak enrichment score for the ARF pathway in the MD versus control data set is 0.48, leading to a normalized enrichment score (NES) of 6.8. (B) Heat map of the expression levels of all the probes of the ARF pathway gene set in the MD and control samples. Highest levels of expression correspond to brilliant red, while lowest levels of expression correspond to dark blue. (C) Distribution of normalized enrichment score (NES) values for the DR versus control data set. The arrows highlight two pathways that are particularly enriched in DR and are discussed in the text: the CREB pathway and the Channel Passive Transporter pathway. The insets show the running enrichment scores for these two pathways; the red arrows show the positions of Creb and GIuRl probes respectively. (D) Distribution of NES values in the GSEA analysis for the MD versus control data set. The arrows indicate two pathways discussed in the text which are particularly enriched in MD: the EGF pathway and the IGFl pathway. For each of these pathways, the insets show the running enrichment score. The red arrows in the insets point to the positions of Statl and IGF1-IGFBP5 probes respectively.

[0031] *Figure 5*. Immunohistochemistry for molecules that show increased expression following DR and MD. Immunohistochemistry for selected molecules was performed on coronal slices containing V1 from P27 control, Dark Reared (DR) and Monocularly Deprived (MD) mice. In DR mice, the expression of three proteins: (A) Parvalbumin, (B) GIuRl and (C) Phospho-Creb was examined. The parvalbumin gene is down-regulated in DR versus control and the immunohistochemistry shows a decrease in the number of parvalbumin-positive neurons in DR animals. The histogram on the right shows a significant decrease (P<0.01) in the number of parvalbuminergic neurons versus control. GIuRl and P-Creb proteins were over-expressed in visual cortex of DR animals versus control. In MD mice, the expression of (D) activated Statl and (E) IGFBP5 was examined. Both proteins are selectively up-regulated in V1 after 15 days of MD relative to control. Bars in the right panels (B-E) show the intensity of the staining in sections of DR or MD and control animals; for all the molecules examined the intensity of staining was significantly higher in the deprived conditions that in controls (P<0.05). For each molecule, low magnification pictures (scale bar = 765 μm) and high magnification pictures (scale bar = 100 μm) are shown. Arrows in the low magnification pictures demarcate Vl.

[0032] *Figure 6:* Application of TGFl prevents the ocular dominance shift after MD in mouse Vl. (A) Left: Mouse brain showing the location of V1 (black region). Right: Ocular dominance index map in mouse Vl. The dotted line separates the binocular zone (b) from the monocular zone (m). Scale bar, 1 mm. (B) Histograms of ocular dominance index in the binocular zone of three representative mice. Red line, P27 control mouse; black line, P27 mouse after 7 days of MD; blue line, P30 mouse after 7 days of MD plus IGFl application for the same period. The data from each animal typically includes a region within binocular cortex containing over 2000 pixels. (C). Mean ocular dominance indices of the 3 groups of mice. Open circles, mean ocular dominance index of the binocular zone pixels from each animal; filled circles, average value of each group.

[0033] *Figure* 7: Immunohistochemistry for selected markers of the IGFl pathway. (A) Double staining for IGFBP5 (green) and GAD67 (red) in visual cortex of a P28 mouse. Yellow arrow shows an overlap between the two colors suggesting that IGFBP5 is present in GABAergic neurons; however the presence of cells immunopositive for IGFBP5 but not for GAD67 (green arrow) and vice versa (red arrow) shows that IGFBP5 is present in other cell classes as well. Scale bar= 17 μm. (B) Immunostaining for selected molecules in three different conditions: P28 control (animal reared in normal light conditions), P28 MD (animals monocularly deprived for 4 days), and P28 MD+IGF1 (animals deprived for 4 days and simultaneously injected IP daily with IGFl solution). In all the MD panels the cortex shown is contralateral to the deprived eye. Bars at right show the staining intensity of each molecule in the different conditions. Scale bar= 70 μm.

Brief Description of the Table Appendix

[0034] The Appendix, which is a part of the instant specification, consists of the following Tables:

[0035] *Table 4* lists genes whose expression is downregulated in visual cortex under conditions of DR.

[0036] *Table 5* lists genes whose expression is upregulated in visual cortex under conditions of DR.

[0037] *Table 6* lists genes whose expression is downregulated in visual cortex under conditions of long term MD.

[0038] *Table* 7 lists genes whose expression is upregulated in visual cortex under conditions of long term MD.

[0039] *Table 8* lists genes whose expression is downregulated in visual cortex under conditions of short term MD

[0040] *Table 9* lists genes whose expression is upregulated in visual cortex under conditions of short term MD.

[0041] *Table 10* lists genes that are downregulated in visual cortex under conditions of short term MD in subjects treated with an activator of the IGFl pathway.

[0042] *Table I l* lists genes that are upregulated in visual cortex under conditions of short term MD in subjects treated with an activator of the IGFl pathway.

Definitions

[0043] *Approximately:* As used herein, the term "approximately" in reference to a number is generally taken to include numbers that fall within a range of 10% in either direction of the number (greater than'or less than) unless otherwise stated or otherwise evident from the context (except where such number would exceed 100% of a possible value).

[0044] *Agonist:* As used herein, the term "agonist" generally refers to a substance that can directly interact with *(e.g.,* bind to) a receptor and initiate a physiological or a pharmacological response characteristic of the activity of that receptor, *e.g.,* the activity that is normally induced by interaction of an endogenous positively-acting ligand with the receptor. Substances generally recognized in the literature as agonists of a particular receptor are of use in the methods described herein. The term "agonist" also refers to partial agonists, *i.e.,* compounds that are capable of partially activating a receptor, *e.g.,* activating it to a lesser extent than its endogenous ligand. The term also encompasses substances that indirectly stimulate a receptor, ***e.g.,*** by inhibiting reuptake or breakdown/metabolism of an endogenous direct agonist and/or by stimulating the production or release of an endogenous direct agonist.

[0045] *Antagonist:* As used herein, the term "antagonist" generally refers to a substance that opposes the receptor- associated responses normally induced by another bioactive agent such as an endogenous positively-acting ligand. Typically, an antagonist binds to a receptor and prevents binding of an endogenous ligand that would normally activate the receptor, or prevents binding of an exogenous agonist to the receptor. The antagonist may or may not induce an effect itself. The activity of a receptor is generally taken to be the activity associated with binding of an endogenous positively-acting ligand. Substances generally recognized in the literature as antagonists of a particular receptor are of use in the methods described herein. The term also encompasses substances that indirectly inhibit a receptor, *e.g.,* by inhibiting reuptake or by stimulating breakdown/metabolism of an endogenous direct agonist and/or by stimulating the production or release of an endogenous direct antagonist.

[0046] *Biocompatible:* A material is considered "biocompatible" if it is substantially non-toxic to the recipient, in the quantities and at the location used, and also does not elicit or cause a significant deleterious or untoward effect on the recipient's body, *e.g.,* a significant immunological or inflammatory reaction, unacceptable scar tissue formation, *etc.*

[0047] *Biodegradable:* As used herein, the term "biodegradable," refers to a material that is capable of being broken down physically and/or chemically within the body of a subject, *e.g.,* by hydrolysis under physiological conditions, by natural biological processes such as the action of enzymes present within the body, *etc.,* to form smaller chemical species which can be metabolized and/or excreted.

[0048] *Biological information resource:* As used herein, the term "biological information resource" refers to a compilation of reliable information about biochemical species {*e.g.,* genes or their expression products, substrates, cofactors, physiologically important ions or small molecules), biological processes, and optionally, biological pathways, from which it is possible to conveniently determine information such as (i) whether a biochemical species is a component of a particular biological process; (ii) which biochemical species are components of a particular biological process; (iii) which biological processes include a particular biochemical species as a component; (iv) whether a particular biological process includes a particular biochemical species as a component, *etc.* A biological information resource can also include any type of additional biological information. For example, information such as identifiers of compounds known to interact with a biochemical species or known to influence a biological pathway can be included. Names of diseases or clinical conditions that are related to a biological process or biochemical species, *e.g.,* in which the biological process or biochemical species plays a causative role, or in which a defect in the biological process or biochemical species plays a causative role, can be included. By "reliable information" is meant information that is generally recognized in the art as being substantially accurate. Typically such information will have been published in the scientific literature and described therein in sufficient detail to be capable of.being independently verified and will have been replicated and/or acknowledged as being accurate in one or more additional scientific publications. A biological information resource will typically comprise a database and will provide one or more software tools that allow a user to readily obtain access to the information and to search the information using one or more query terms, *e.g.,*. an identifier for a biochemical species, biological process, *etc.* An "identifier" refers to any term or combination of terms that is used to refer to a biochemical species, biological process, *etc.* The identifier can be, for example, the name of a gene or the name of a biological process.

[0049] *Biological pathway:* As used herein, the term "biological pathway" refers to a sequence of reactions (e.g., physical interactions between molecules, enzyme reactions) that takes place in a living organism, typically resulting in a biological effect. A pathway typically involves a cascade of events in which molecules involved in the pathway (referred to as "components" of the pathway) signal to or act upon each other, often in a characteristic and ordered manner. Many of the components of the pathway are RNA or polypeptide expression products of genes (also referred to as "gene products"). Such genes may also be referred to as components of the pathway. Biological pathways of interest herein include the IGFl pathway, the JAK/STAT pathway, the PI3 kinase pathway, and subpathways thereof.

[0050] *Biological process:* As used herein, the term "biological process" refers to a series of events accomplished by one or more biochemical species or ordered assemblies of biochemical species. The biochemical species or assemblies thereof are referred to as "components" of the biological process. The components are said to be "involved in" the biological process. For example, a gene product that is a component of a biological process, *i.e.,* plays a role in carrying out that biological process, is said to be involved in that biological process. Genes whose expression product(s) are components of a biological process may also be referred to as components of the pathway. The series of events making up a biological process is typically directed towards achieving a biological goal of significance to the biological system. Examples of biological processes include, without limitation, cell communication, metabolism, morphogenesis, secretion, *etc.lt* will be appreciated that a biological process may comprise a plurality of biological processes (subprocesses). A biological process may comprise or be performed by one or more biological pathways. The "central nervous system" (CNS) includes the brain, spinal cord, optic, olfactory, and auditory systems. The CNS comprises both neurons and glial cells (neuroglia), which are support cells that aid the function of neurons. Oligodendrocytes, astrocytes, and microglia are glial cells within the CNS. Oligodendrocytes myelinate axons in the CNS, while astrocytes contribute to the blood-brain barrier, which separates the CNS from blood proteins and cells, and perform a number of supportive functions for neurons. Microglial cells serve immune system functions.

[0051] *Concurrent administration:* The term "concurrent administration," as used herein with respect to two or more agents, *e.g.,* therapeutic agents, is administration performed using doses and time intervals such that the administered agents are present together within the body, or at a site of action in the body such as in the CNS in amounts sufficient to have a biological effect over a time interval of minutes, hours, days, weeks, *etc.* The agents may, but need not be, administered together as part of a single composition. In addition, the agents may, but need not be, administered simultaneously (e.g., within less than 5 minutes, or within less than 1 minute) or within a short time of one another *(e.g.,* less than 1 hour, less than 30 minutes, less than 10 minutes, approximately 5 minutes apart).

[0052] *Critical period:* As used herein, the term "critical period" refers to a time period during the development of an organism in which the organism's nervous system is particularly able to acquire a specific functional ability and/or structural configuration, typically at least in part in response to external environmental stimuli. Absence of the appropriate stimuli during the critical period typically results in failure to develop the functional ability and/or structural configuration that would develop had these stimuli been present. The timing and duration of the critical period may depend upon the environmental stimuli received. For example, lack of certain environmental stimuli prolongs the critical period.

[0053] *Deprived condition:* As used herein, the term "deprived condition" refers to an environment that fail to provide adequate environmental stimuli needed to allow normal development of one or more functional or structural features of the nervous system. An individual subjected to a deprivation condition typically receives fewer and/or less intense or varied stimuli of one or more types than an individual subjected to "normal conditions." In the case of an animal raised in a laboratory, "normal conditions" are standard laboratory conditions typically used for the maintenance of such animals.

[0054] *Effective amount:* As used herein, an "effective amount" of an active agent refers to the amount of the active agent sufficient to elicit a desired biological response. As will be appreciated by those of ordinary skill in this art, the absolute amount of a particular agent that is effective may vary depending on such factors as the desired biological endpoint, the agent to be delivered, the target tissue, *etc.* Those of ordinary skill in the art will further understand that an "effective amount" may be administered in a single dose, or may be achieved by administration of multiple doses. A desired biological response may be, for example, (i) functional or structural reorganization of synaptic connections, dendrites, or axon projections; (ii) maintenance of synaptic connections, dendrites, or axon projections under conditions in which they would otherwise deteriorate ; (iii) regeneration of a nerve or an axonal projection system or its maintenance under conditions in which it would otherwise deteriorate; (iv) an improvement in performance of a task requiring motor or sensory function; (v) an improvement in performance of a task requiring cognitive function, *e.g.,* improved performance on a test that measures learning and/or memory; (vi) a slowing in the rate of decline in motor, sensory, and/or cognitive function.

[0055] *Enriched condition:* As used herein, the term "enriched condition" refers to an environment that provides receives more stimuli and/or more intense or varied stimuli of one or more types than an individual subjected to "normal conditions."

[0056] *Expression product:* As used herein, the term "expression product" or "gene product" refers to an RNA transcribed from a gene or a polypeptide translated from an RNA transcribed from a gene. RNAs or polypeptides that are modified following their transcription or translation are considered expression products of the gene that encodes them. Modifications include, *e.g.*, splicing, cleavage, addition of phosphate or fatty acid groups, *etc.*

[0057] *Focal delivery:* As used herein, the term "focal delivery" (or "focal administration" in reference to delivery of a pharmacological agent), refers to delivery that does not rely upon transport of the agent to its intended target tissue via the vascular system, e.g., the agent is not administered directly into a blood vessel. The agent is delivered directly to its intended target tissue or in the vicinity thereof, *e.g.* by injection through a needle, catheter, or cannula, or by implantation of a delivery vehicle or device containing the agent. If the agent is delivered to the vicinity of its target tissue rather than into the target tissue itself, the agent may reach its target tissue by diffusion. For purposes of the present invention, any method that achieves delivery of an agent to the CNS or portion thereof without requiring transport via the vascular system from a site outside the skull or meninges (the membranes that cover the brain and the spinal cord), is considered to achieve focal delivery of the agent. Specifically included are delivery by use of an implanted or external pump, and/or delivery directly into one or more ventricles of the CNS. It will be understood that once having been focally delivered a portion of the agent (typically only a minor fraction thereof) may in part enter the vascular system and be transported to another location.

[0058] *Function:* As used herein, the term "function," with reference to the nervous system or a component thereof, is used broadly herein to refer to any function, role, task, or activity performed by the nervous system or a component thereof. The term includes, without limitation, the ability to process and recall information, regulate behavior, stimulate release of endogenous chemicals, control motor functions, receive and process sensory input, maintain consciousness, *etc.*

[0059] *Functional recovery:* As used herein, the term "functional recovery" refers to the process in which a nervous system or component thereof that has at least in part lost the ability to perform a function that it previously performed, regains at least in part the ability to perform the function. Functional recovery may take place in at least two different ways: (i) the recovery in function may involve partial or complete recovery of the portion of the nervous system that previously performed the function; (ii) the recovery in function may involve a portion of the nervous system performing a function that it did not previously perform. Of course in some instances both processes may take place. Functional recovery can also refer to preservation of the ability of the nervous system or a portion thereof to perform a function that it previously performed, after the nervous system or component thereof has been physically altered, disrupted, or otherwise subjected to a physical or chemical insult or neurodegenerative disease, when such physical alteration, disruption, physical or chemical insult or neurodegenerative disease would otherwise be expected to lead to deterioration or loss of the ability of the nervous system or portion thereof to perform the function.

[0060] *Functional reorganization:* The term "functional reorganization," as used in reference to the nervous system or a portion thereof, refers to the process in which a portion of the nervous system wholly or partially assumes, *i.e.,* takes on, a function *(e.g.,* a sensory, motor, or cognitive function) that was not previously performed by that portion of the nervous system. The function or task may, but need not have been, previously performed by a different portion of the nervous system. Functional reorganization may, but need not, entail one or more aspects of structural reorganization. Functional reorganization may also be referred to as functional rearrangement.

[0061] An example of functional reorganization is the capacity of an area of sensory or motor cortex adjacent to an area of injury or necrosis of CNS tissue to control CNS output to a portion of the body that was previously controlled by the injured or necrotic tissue, or to receive and process input from a region of the body from which input was previously received and processed by the injured or necrotic tissue. Another example is the capacity of an area of sensory or motor cortex corresponding in location to an area of injury or necrosis of CNS tissue, but located in the opposite hemisphere of the brain, to control CNS output to a portion of the body that was previously controlled by the injured or necrotic tissue, or to receive and process input from a region of the body from which input was previously received and processed by the injured or necrotic tissue. Yet another example is provided by the nervous system's response to monocular deprivation, which is further discussed below.

[0062] *Infarct:* As used herein, the term "infarct" refers to an area of localized tissue necrosis resulting from inadequate blood supply, *e.g.,* due to obstruction of a blood vessel. Also referred to as an infarction. When the necrotic tissue is brain tissue, the infarct may be referred to as a cerebral infarct or cerebral infarction.

[0063] *Modulate:* As used herein, the term "modulate" means to alter, *e.g.,* to increase or enhance, to decrease or inhibit, or to cause a variation in a temporal pattern. To "modulate a gene" means to modulate the level and/or activity of an RNA or polypeptide expression product of the gene, *e.g.,* by administering an agonist or antagonist. "Level" of an expression product refers to amount, *e.g.,* concentration by weight or volume, number of molecules per cell or by weight or volume, *etc.* To "modulate a pathway" means to modulate at least one reaction and/or gene involved in the pathway, typically resulting in an alteration in the biological effect or outcome of the pathway. To "modulate a cell" means to increase or enhance, or to decrease or inhibit, the development, survival, and/or activity of the cell.

[0064] *Neural tissue:* As used herein, the term "neural tissue" refers to one or more components of the central nervous system and/or peripheral nervous system. Such components include brain tissue and nerves, which may be present in bundles or tracts. In general, brain tissue and nerves contain neurons (which typically comprise cell body, axon, and dendrite(s)), glial cells {*e.g.,* astrocytes, oligodendrocytes, and microglia in the CNS; Schwann cells in the PNS). It will be appreciated that brain tissue and nerves typically also contain various noncellular supporting materials such as basal lamina (in the PNS), endoneurium, perineurium, and epineuriun in nerves, *etc.* Additional nonneural cells such as fibroblasts, endothelial cells, macrophages, *etc.,* are typically also present. See Schmidt and Leach, 2003, for further description of the structure of various neural tissues.

[0065] *Peripheral nervous system:* As used herein, the term "peripheral nervous system" (PNS) includes the cranial nerves arising from the brain (other than the optic and olfactory nerves), the spinal nerves arising from the spinal cord, sensory nerve cell bodies, and their processes, *i.e.,* all nervous tissue outside of the CNS. The PNS comprises both neurons and glial cells (neuroglia), which are support cells that aid the function of neurons. Glial cells within the PNS are known as Schwann cells, and serve to myelinate axons by providing a sheath that surrounds the axons. In various embodiments of the invention the methods and compositions described herein are applied to different portions of the PNS.

[0066] *Plasticity:* As used herein, the term "plasticity" refers to the capacity of the nervous system, or a portion thereof, to change *(e.g.,* to reorganize) its structure and/or function, generally in response to an environmental condition, injury, experience, or ongoing nervous system activity. Plasticity may involve the proliferation of neurons or glia, the growth or movement of neuronal processes and/or alterations in their shape. Plasticity may involve formation of new synaptic connections between neurons and/or strengthening or weakening of existing synaptic connections. Formation of new synaptic connections may involve growth or movement of neuronal processes. Plasticity may also involve alterations in non-neuronal components of the nervous system, *e.g.,* astrocytes or other glial cells.

[0067] *Plasticity-modifying agent:* As used herein, the term "plasticity-modifying agent" refers to a substance whose administration to a subject, either alone or in combination with one or more other substances or non-pharmacological therapy, results in a detectable alteration in the plasticity of at least a portion of the nervous system. The alteration may be evidenced by an alteration in nervous system function and/or structure as compared with the function and/or structure that would be observed in the absence of the agent. The agent has a clinically significant effect on the nervous system to modify plasticity and is not administered simply for nutritional or dietary purposes. The agent may increase, decrease, and/or prolong plasticity.

[0068] *Plurality:* As used herein, the term "plurality" means more than one.

[0069] *Polypeptide:* As used herein, the term "polypeptide" refers to a polymer of amino acids. As used herein, the term "protein" refers to a molecule composed of one or more polypeptides. The terms "protein," "polypeptide," and "peptide" may be used interchangeably herein. Polypeptides as described herein typically contain only natural amino acids, although non-natural amino acids *(i.e.,* compounds that do not occur in nature in polypeptides but that can be incorporated into a polypeptide chain) and/or amino acid analogs as are known in the art may also be employed.

[0070] *Proteolysis:* As used herein, the term "proteolysis" refers to the breakdown, or degradation, of proteins into smaller polypeptides, typically by cleavage of peptide bonds. Ultimately proteolysis may result in breakdown of the protein into individual amino acids.

[0071] *Proteolysis-enhancing agent:* As used herein, the term "proteolysis-enhancing agent" refers to a substance, *e.g.,* a protease, that increases, contributes to, or causes proteolysis of one or more proteins or inhibits an inhibitor of proteolysis.

[0072] *Purified:* As used herein, the term "purified" means separated from many other compounds or entities. A compound or entity may be partially purified, substantially purified, or pure, where it is pure when it is removed from substantially all other compounds or entities (other than solvents, ions, *etc.), i.e.,* it is preferably at least about 90%, more preferably at least about 91%, 92%, 93%, 94%, 95%, 96%, 97%, 98%, 99%, or greater than 99% pure. A partially or substantially purified compound or entity may be removed from at least 50%, at least 60%, at least 70%, or at least 80% of the material with which it is naturally found, *e.g.,* cellular material such as cellular proteins and/or nucleic acids. In a preferred embodiment a purified protein is removed from at least 90%, preferably at least 95%, more preferably at least 99%, or more, of the other proteins in a preparation, so that the purified protein constitutes at least 90%, preferably at least 95%, more preferably at least *99%,* of the material in the preparation on a dry w/w basis.

[0073] *Recovery:* As used herein, the term "recovery" refers to structural and/or functional recovery.

[0074] *Reorganization:* As used herein, the term "reorganization" refers to structural and/or functional reorganization.

[0075] *RNAi agent:* As used herein, the term "RNAi agent" refers to a nucleic acid that inhibits gene expression by an RNAi interference mechanism. Examples include short interfering RNAs (siRNAs), short hairpin RNAs (shRNAs), microRNAs (miRNAs) and nucleic acids that are processed intracellularly, *e.g.,* by a member of the RNase III family of nucleases such as DICER that cleaves double-stranded RNAs, to produce an siRNA, shRNA, or miRNA. It will be appreciated that an RNAi agent, if produced using chemical synthesis, can include one or more deoxyribonucleotides or nucleotide analogs, modified backbone structures, *etc.,* in addition to or instead of ribonucleotides linked by phosphodiester bonds.

[0076] *Sequential administration:* As used herein, "sequential administration" of two or more agents refers to administration of two or more agents to a subject such that the agents are not present together in the subject's body at greater than *de minimis* concentrations. Thus the agents are not present together in the subject's body in concentrations sufficient for the agents to each have a separate biological effect. In certain embodiments a first agent is administered to a subject. A second agent is administered at a later time at which the concentration of the first agent has declined to less than 1%, less than 5%, or less than 10% of its peak concentration in the CNS or PNS. Administration of the agents may, but need not, alternate. Each agent may be administered multiple times.

[0077] *Small molecule:* As used herein, the term "small molecule" refers to organic compounds, whether naturally-occurring or artificially created *(e.g.,* via chemical synthesis) that have relatively low molecular weight and that are not proteins, polypeptides, or nucleic acids. Typically, small molecules have a molecular weight of less than about 1500 g/mol. Also, small molecules typically have multiple carbon-carbon bonds.

[0078] *Spine dynamics:* As used herein, the term "spine dynamics" refers to a change in any of various structural properties of spines over time. The properties include spine shape, size, number, density, and motility. Spine dynamics may be examined with respect to the individual spine or with respect to a plurality *(i.e.,.* more than one) of spines.

[0079] *Spine motility:* As used herein, the term "spine motility" refers to a change in spine length over time. When examined with respect to a plurality of spines, spine motility refers to the average change in spine length over time.

[0080] *Structural recovery:* The term "structural recovery," as used in reference to the nervous system or a portion thereof, refers to the partial or complete restoration of a structure that has physically altered, disrupted, or otherwise subjected to a physical or chemical insult, which is intended to include deprivation of oxygen and/or nutrients. "Structural recovery" can also refer to preservation of a structure that has been physically altered, disrupted, or otherwise subjected to a physical or chemical insult, when such physical alteration, disruption, physical or chemical insult would otherwise be expected to lead to deterioration and/or loss or alteration in normal structural features. The structure can be, for example, a synaptic connection, a nerve, nerve bundle, nerve tract, nucleus, brain region, connection between brain regions, *etc.*

[0081] *Structural reorganization:* The term "structural reorganization," as used in reference to the nervous system or a portion thereof, refers to an alteration in the pattern of connections between two or more neurons or between one or more neurons and one or more glial cells *(e.g.,* astrocytes, oligodendrocytes, microglia, Schwann cells) that takes place over a period of time or an alteration in the position of two or more neuronal or glial cell bodies or cell processes (axons, dendrites, dendritic spines) with respect to one another. The alteration may include the formation of synapses between neurons that did not synapse with each other at the beginning of the time period. The alteration may include the formation of additional synapses between neurons that had at least one synaptic connection at the beginning of the time period. The alteration may also or alternatively include loss of synapses that existed at the beginning of the time period. Reorganization may entail growth or retraction of neural processes such as axons *(e.g.,* axonal sprouting or regeneration), dendrites, or dendritic spines, migration of neurons or glia, and/or neuronal or glial cell division. Structural reorganization may also be referred to as structural rearrangement.

[0082] *Subject:* As used herein, the term "subject" or "individual" refers to an individual to whom an agent is to be delivered, *e.g.,* for experimental, diagnostic, and/or therapeutic purposes and/or an individual who is subjected to a condition that modifies plasticity. Preferred subjects are mammals, particularly domesticated mammals *(e.g.,* dogs, cats, *etc.),* primates, or humans.

[0083] *Synapses:* As used herein, the term "synapses" refer to "specialized intercellular junctions between neurons or between neurons and other excitable cells where signals are propagated from one cell to another with high spatial precision and speed" (De Camilli, in Cowan, *supra).* They are the primary sites of intercellular communication in the mammalian nervous system. In general, the basic structure of a synapse consists of a close juxtaposition of specialized regions of the plasma membrane of two neurons, referred to as the presynaptic and postsynaptic neurons, to form a synaptic junction. The presynaptic neuron is the nerve cell transmitting a signal while the postsynaptic neuron is the recipient of the signal. Most neurons in the vertebrate nervous system possess a cell body and two types of cell processes, axons and dendrites. Signals, *i.e.,* action potentials, are initiated and transmitted by the axon while dendrites (and also the cell body) receive inputs via synaptic contacts from other neurons.

[0084] *Treating:* As used herein, the term "treating" generally refers to medical and/or surgical management of a patient for purposes of bringing about an improvement in the state of a subject with respect to a disease, disorder, or condition from which the subject suffers . and/or reducing or slowing further deterioration of the subject's condition. Treating can include reversing, alleviating, and/or inhibiting the progress of, the disease, disorder, or condition to which such term applies, and/or reversing, alleviating, inhibiting the progress one or more symptoms or manifestations of such disease, disorder or condition.

Detailed Description of Certain Embodiments of the Invention

Methods for Identifying Genes, Biological Pathways, and Cells Involved in Plasticity

[0085] The invention provides methods to identify molecular targets *{e.g.,* genes and their expression product(s)) that may be modulated in order to modify plasticity in the nervous system of an individual. The genes are differentially regulated in at least a portion of the nervous system of individuals subjected to a condition that modifies plasticity. For example, in certain embodiments, inventive methods identify a gene wherein the level and/or activity of an expression product of the gene differs in at least a portion of the nervous system of a subject if the subject has been subjected to a condition known to modify plasticity relative to its expression or activity in that portion of the nervous system in **a** subject who has not been subjected to the condition or who has been subjected to an alternate condition. In some embodiments, inventive methods identify a gene wherein the level and/or activity of an expression product of the gene differs in a portion of the nervous system that has been subjected to a condition that modifies plasticity relative to its expression or activity in a portion of the nervous system that has not been subjected to a condition that modifies plasticity *(e.g.,* a portion located at a corresponding position of the opposite brain hemisphere of a subject). The portion of the nervous system may be any functionally or structurally defined part, area, region, unit, or component of the nervous system (which terms are used interchangeably herein). Portions of the nervous system include cortex, cerebellum, thalamus, hypothalamus, hippocampus, amygdala, basal ganglia (caudate nucleus, putamen and globus pallidus), midbrain, pons, medulla, nerve tracts, *etc.*, and any sub-portion of the foregoing. For example, subregions of the cortex include visual cortex, auditory cortex, somatosensory cortex, entorhinal cortex, olfactory cortex, Broca's area, Wernicke's area, *etc.* It will be appreciated that these regions themselves may be composed of smaller subregions. For example, the primate cortex has been divided into Brodmann areas 1-49 and 52, some of which include subareas, based on cytoarchitectural distinctions. Important areas of the primate visual cortex are referred to as V1, V2, V3, V4, and MT (also referred to as V5). Portions of the nervous system also include the six major cortical layers (I-VI) and their sublayers. Portions of the nervous system also include cortical columns, a term that refers to collections of cells arranged vertically from the surface of the cortex to the white matter that comprise functional and/or anatomical units. Thus, a cortical column can be defined on the basis of anatomical features *(e.g.* stereotyped patterns of pyramidal cell apical dendrite bundles), functional features *(e.g.* columns of cortical cells all responding to the same stimulus orientation) or both. Cortical columns include ocular dominance, orientation, spatial frequency, and color columns. In certain embodiments, the portion of the nervous system comprises cells of one or more types, *e.g.,* one or more neuronal cell types. Cells may be excitatory or inhibitory. Exemplary cell types found in the nervous system include pyramidal cells, stellate cells, interneurons *(e.g.,* chandelier cells, neurogliaform cells, basket cells, double basket cells, Purkinje cells, granule cells, Cajal-Retzius cells, Meynert cells, *etc.).*

[0086] Inventive methods are applied herein to identify genes that are differentially regulated in the visual cortex under monocular deprivation or dark rearing, both of which are conditions known to modify plasticity. The invention identifies biological pathways enriched in such genes.

[0087] The invention provides a method of identifying a gene involved in plasticity (referred to herein as a "plasticity-related gene") comprising steps of: (i) subjecting an individual to a condition that modifies plasticity; (ii) measuring level or activity of each of a plurality of genes in at least a portion of the individual's nervous system; and (iii) identifying one or more genes whose expression or activity is differentially regulated in the portion of the individual's nervous system relative to its expression or activity under alternative conditions. Conditions may be environmental conditions that are deficient in one or more environmental stimuli that the individual would normally experience. Conditions may include one or more environmental stimuli that the individual would not normally experience. Alternative conditions may be normal environmental conditions, *e.g.,* standard laboratory conditions. Conditions suitable for maintaining animals are discussed *in* Guide for the Care and Use of Laboratory Animals, Institute for Laboratory Animal Research (ILAR) Commission on Life Sciences, National Research Council, National Academies Press, Washington, D.C. (1996). It will be appreciated that a range of conditions may be considered "normal" but will generally not include specific efforts to deprive or supplement the nervous system inputs that typically would be received be animal maintained as described in the foregoing reference.

(0088] Inventive methods may include identifying one or more biological processes or pathways involving one or more of the plasticity-related genes. The biological process pathway may be enriched for genes identified by the method. For example, the biological process or pathway may include a higher proportion of genes identified by the method than would be expected based on the number of genes in the process or pathway and the number of known genes in an individual of that particular species. In other words, genes identified as being differentially regulated are over-represented among the genes in the biological process or pathway. See Examples for further details.

[0089] In certain embodiments of the invention, the individual is subjected to the condition during at least a portion of a critical period for development of one or more nervous system structure(s), functions, or properties. Nervous system structures, functions, or properties for which a critical period has been well documented in one or more species include ocular dominance, orientation bias, development of the neuromuscular junction, climbing fiber refinement, whisker barrel map formation, whisker RF tuning, cortical tonotopic map, sound localization, birdsong, and human language. The conditions may include depriving the individual of normal inputs needed for the establishment of any of these structures, functions, or properties. The timing of critical periods and the effects of specific environmental conditions are known in the art (see, *e.g.,* Hensch, 2004, *Annu. Rev. Neurosci.,* 27:549).

10090] In certain embodiments of the invention, conditions include subjecting a subject to an alteration in visual input, optionally during a critical period for development of the visual cortex. Alteration of visual input during postnatal development causes adaptive changes in the maturation of visual cortex circuitry. One method of use for identifying genes, biological pathways, and cells involved in activity-dependent plasticity is to alter visual experience during a critical period of development. The timing of such critical periods for development of the visual system is known in the art[4]. One example of altering visual experience is to raise animals in complete darkness from birth (dark rearing). Dark-rearing (DR) has diverse effects on the visual cortex, causing an upregulation of miniature synaptic potentials in subsets of neurons[5], a reduction in spine number together with an increase in area of the spines that remain[6], a change in the threshold for eliciting synaptic potentiation and depression[7,8], and a prolongation of the critical period for eliciting experience dependent changes in visual function[9].

[0091] One example of manipulation of use to study the influence of activity on visual cortex neurons and networks and to identify genes, biological pathways, and cells involved in plasticity is monocular deprivation (MD). In animals with binocular vision, inputs to a portion of the visual cortex become anatomically and functionally segregated into alternating stripes of input from the two eyes, referred to as ocular dominance columns. As a consequence, individual cortical neurons that were originally responsive to both eyes become responsive to only one eye. However, if one eye is deprived of visual input during a critical period (monocular deprivation), that eye loses most of its ability to activate the cortex, and the responses of cells shift towards the nondeprived eye eye, *i.e.,* ocular dominance (OD) shifts in favor of the nondeprived eye. The rapid appearance of the functional deficit is followed by structural changes including a reduction in cortical area driven by the deprived eye and expansion of the area driven by the nondeprived eye, which take place on a timescale of weeks to months. The extent and complexity of thalamocortical axonal arbors from the deprived eye are reduced, while the extent and complexity of arbors from the nondeprived eye increase. MD, which can be achived by suturing the lids of one eye during the critical period, causes an increase in the proportion of neurons in the binocular part of the V1 region of the cortex that respond to the open eye[13]. Short-term MD causes a reorganization of intracortical connections both functionally and structurally[14-17], whereas long-term MD leads in addition to a reduction of thalamocortical arbors from the deprived eye and an expansion of arbors from the non-deprived eye[18,19].

[0092] The individual can be subjected to the condition during all or part of a critical period, *e.g.,* for a total of between 10% and 100% of the critical period. The individual can be subjected to the condition intermittently or continuously. In certain embodiments of the invention the critical period is, *e.g.,* between 24 hours and 1 year in length, *e.g.,* between 24 hours and 60 days in length. The critical period can commence at any time after birth or even prior to birth and may terminate at any later time, depending upon the particular nervous system structure(s), functions, or properties under consideration.

[0093] Any suitable method can be used to identify the differentially regulated genes. In general, the methods involve obtaining samples of nervous system tissue *(e.g.,* samples of tissue from a portion of the brain such as cortex, hippocampus, *etc.)* from a subject who has been subjected to a condition *(e.g.,* a reduction in or increase in inputs) that modifies plasticity in at least a portion of the nervous system. The level and/or activity of each of a plurality of gene products is measured in the sample and is compared with the level and/or activity that would exist under alternate conditions. The method can involve obtaining a sample of nervous system tissue from a different subject who has not been subjected to the condition or obtaining a sample of nervous system tissue from the same subject but from a portion of the nervous system that has not been subjected to the condition. The level and/or activity in the two samples can be compared in an experiment performed on the two samples. Alternatively or additionally, a comparison with previously gathered data on expression levels and/or activity can be used.

[0094] Methods for determining the level of a gene product are well known in the art, and any suitable method can be used. For example, if the gene product is an RNA, its level can be measured using cDNA or oligonucleotide microarrays, subtractive hybridization, Northern blots, quantitative reverse transcription polymerase chain reaction (RT-PCR), *etc.* If the gene product is a polypeptide, its level can be measured using a variety of immunologically based methods such as immunohistochemistry, enzyme-linked immunosorbent assay (ELISA), Western blot, protein array technology *(e.g.,* antibody arrays or arrays using other specific binding agents, *etc.).*

[0095] Activity of a gene product can also be measured in a variety of ways that will typically depend upon the specific gene product whose activity is being measured. For example, if the gene product is a kinase or phosphatase, the extent to which an endogenous substrate is phosphorylated provides an indication of the activity of the gene product. The substrate is isolated from cell in which it is expressed, and its phosphorylation state is evaluated. Alternatively or additionally, *in vitro* kinase or phosphatase assays can be performed. If the gene product is a transcription factor, an assay that involves measuring expression of a reporter construct that contains a DNA element responsive to the transcription factor can be used. The activity of certain polypeptides is regulated by post-translational modification, localization, and/or physical association (typically noncovalent binding) with one or more cellular structures or molecules. For example, certain polypeptides are activated or inactivated by phosphorylation. Activity may be assessed using binding assays, assays that determine subcellular localization or association with particular intracellular structures or molecules, assays that determine modification state, electrophoresis, mass spectrometry, *etc.* One of skill in the art will be able to select appropriate methods for determining and comparing the activity of gene products.

[0096] In certain embodiments of the invention a highly parallel method is used. By "highly parallel" is meant that the method determines the level or activity of at least 10 gene products essentially simultaneously and/or in a single experiment. Examples include microarray analysis and protein array analysis, wherein the array comprises at least 10 features *(e.g.,* at least 10 specific binding agents such as oligonucleotides or antibodies are affixed to the array). In certain embodiments of the invention the highly parallel method determines the level or activity of at least 100, at least 1000, at least 10,000, or at least 100,000 gene products essentially simultaneously and/or in a single experiment.

[0097] Many of the genes that have been or will be identified using the above methods are components of one or more biological processes or pathways. Such biological processes or pathways may be identified using a variety of methods. One of skill in the art will be familiar with processes and pathways in which some of the genes play a role or will be able to identify such processes and pathways by searching the literature or by using readily available biological information resources.

[0098] One biological information resource of particular use is the Gene Ontology project (www.geneontology.org). The Gene Ontology (GO) provides a list of three structured, controlled vocabularies (ontologies) that describe gene products and their associated biological processes and cellular constituents using a uniform terminology. In particular, the Gene Ontology database annotates (and thereby associates) identifiers of gene products *(e.g.,* gene names) with identifiers of biological processes of which those gene products are components. The Gene Ontology database can thus be used to identify the gene products that carry out a particular biological process and/or to identify the biological processes in which any gene product of interest plays a role. While the Gene Ontology database is used herein to exemplify the identification of biological processes and pathways that involve genes that are differentially regulated in the nervous system of an individual subjected to a plasticity-modifying condition, any similar compilation of information that associates identifiers of biochemical species with identifiers of biological processes and/or pathways could be used instead of, or in addition to, the Gene Ontology database. For example, the Kyoto Encyclopedia of Genes and Genomes (KEGG) offers somewhat similar facilities. Numerous additional computer-based resources that provide convenient, unified access to biological information are available on the World Wide Web.

[0099] In certain embodiments, biological processes or pathways whose components *(e.g.,* genes) are over-represented among the plasticity-related genes are identified as likely to be involved in modifying plasticity, *i.e.*, they are identified as plasticity-related processes or pathways. A gene (or other biochemical species) that is a component of a biological process is over-represented among the plasticity-related genes if the likelihood that the number of plasticity-related genes that are associated with that biological process is greater than the number of plasticity-related genes that would be expected to be associated with that biological process based on the number of plasticity-related genes identified and the number of genes that are components of the biological process or pathway. Genes that are components of a biological process or pathway identified as being a plasticity-related process or pathway are candidate plasticity-related genes even if they are not themselves differentially regulated under plasticity-modifying conditions. For example, a first polypeptide that acts as a ligand, receptor, substrate, or binding partner for a second polypeptide whose expression is differentially regulated under plasticity-modifying conditions may be a component of a biological pathway of which the first polypeptide is a component and may be modulated instead of, or in addition to, modulating the first polypeptide.

[00100] In certain embodiments of the invention, once a gene, pathway, or process is identified using the methods described above, its role in nervous system structure(s), functions, or properties is more precisely evaluated using any of a variety of approaches. Certain of these approaches are also useful to modulate plasticity for therapeutic purposes, *e.g.,* to improve recovery or reorganization of the nervous system in a subject in need of recovery or reorganization. For example, an agent that modulates the gene, pathway, or process can be administered to an individual and the effect of the agent on the nervous system is determined. The individual may or may not be subjected to a plasticity-modifying condition such as a deprived or enriched condition. The agent can be administered during all or part of the period of time over which the individual is subjected to the condition. In certain embodiments, a transgenic non-human animal *(e.g.,* a mouse or rat) that has temporally and/or spatially altered expression of the gene *(e.g.,* that lacks or has reduced expression of the gene or has elevated or ectopic expression of the gene) is analyzed to determine whether the animal has altered nervous system structure or function and/or altered plasticity relative to an animal in which expression of the gene is not altered (e.g., a "wild

type" animal). The transgenic animal can be generated using standard methods known in the art and is an aspect of this invention. In certain embodiments, an agent that modulates a gene, pathway, or process that is differentially regulated in individuals subjected to a plasticity-modifying condition is administered to a non-human animal. The animal may or may not be subjected to a plasticity-modifying condition or an event that damages the nervous system. The animal exhibits altered plasticity relative to an animal to which the agent is not administered. The animal is used as a model to screen for additional agents that are useful to alter plasticity and/or promote reorganization or recovery of the nervous system.

[00101] In certain embodiments of the invention, an agent that modulates a gene that is a component of a plasticity-related biological process or pathway is administered. The gene itself may or may not be differentially regulated under a plasticity-modifying condition. In some instances, agents that modulate particular genes, pathways, or pathways will be known to those of skill in the art. Any such agent can be used. In certain embodiments of the invention an RNAi agent such as an siRNA or shRNA is used to inhibit expression of a gene, *e.g.,* by triggering degradation of mRNA transcribed from the gene. RNA-mediated interference (RNAi) has recently emerged as a powerful method to reduce the expression of any target transcript in mammalian cells (see, *e.g.,* Elbashir, 2001; Brummelkamp, 2002; McManus & Sharp, 2002; and U.S. Patent Publications 2005/0026278, 2004/0259248, and 2003/0108923). Briefly, it has been found that the presence within a cell of a short double-stranded RNA molecule referred to as a short interfering RNA (siRNA), one strand of which is substantially complementary to a transcript present in the cell (the target transcript) over a length of about 17-29 nucleotides, results in inhibition of expression of the target transcript. The mechanism typically involves degradation of the transcript by intracellular machinery that cleaves RNA (although translational inhibition can also occur). Short hairpin RNAs are single-stranded RNA molecules that include a stem (formed by self-hybridization of two complementary portions of the RNA) and a loop. The stem-loop structure can be processed intracellularly into an siRNA. In some embodiments, an antibody, aptamer, or other molecule with specific binding properties is used to modulate activity of a polypeptide. In some embodiments, a ligand *(e.g.,* an agonist or antagonist) is used to modulate activity of a receptor. In certain embodiments of the invention, the agent is one that can cross the blood brain barrier so as to achieve an effective concentration in the CNS when administered to the subject at a location outside the nervous system *(e.g.,* orally, intravenously, intraperitoneally) at concentrations that do not cause unacceptable side effects.

[00102] In certain embodiments, antisense oligonucleotides complementary to an mRNA transcript that encodes a polypeptide, or ribozymes that cleave the mRNA transcript, are used to decrease expression. Antisense oligonucleotides, or a vector that provides a template for intracellular synthesis of an antisense oligonucleotide, or cells that synthesize the oligonucleotide, can be administered. Antisense technology and its applications are well known in the art and are described in Phillips, M.L (ed.) "Antisense Technology," *Methods Enzymol.*, Vol. 313 and 314, Academic Press, San Diego, 2000, and references mentioned therein. See also Crooke, S. (ed.) "Antisense Drug Technology: Principles, Strategies, and Applications" (1st ed), Marcel Dekker, ISBN: 0824705661, 1st edition (2001), and references therein.

[00103] In some embodiments, an aptamer that binds to a polypeptide and inhibits its activity is used. Ah aptamer is an oligonucleotide *(e.g.*, DNA, RNA, which can include various modified nucleotides, *e.g.*, 2'-O-methyl modified nucleotides) that binds to a particular protein. Aptamers are typically derived from an *in vitro* evolution process (SELEX), and methods for obtaining aptamers specific for a protein of interest are known in the art (see, *e.g.*, Brody, 2000).

[00104] Ribozymes and deoxyribozymes are RNA and DNA molecules that can act as enzymes by folding into a catalytically active structure that is specified by the nucleotide sequence of the molecule. Such molecules have been shown to catalyze the sequence-specific cleavage of RNA molecules. The cleavage site is determined by complementary pairing of nucleotides in the RNA or DNA enzyme with nucleotides in the target RNA. Thus, RNA and DNA enzymes can be designed to cleave to any RNA molecule, thereby increasing its rate of degradation (Gotten and Birnstiel, 1989; Usman, 1996; and Sun, 2000).

[00105] It will be appreciated that synthetic nucleic acids such as siRNA, antisense oligonucleotides, aptamers, ribozymes, *etc.*, can include RNA, DNA, nucleoside analog(s), and/or may included modified sugars, or modified backbone structures.

[00106] Expression or activity of a gene, pathway, or process identified using the methods of the invention can be modulated as described above for purposes of modifying nervous system structure(s), functions, or properties. These approaches are of use to modulate plasticity for therapeutic purposes, *e.g.*, to improve recovery or reorganization of the nervous system in a subject in need of nervous system recovery or reorganization.

[00107] The invention provides methods for modifying plasticity by modulating particular cell types present in the nervous system. Cells present in the nervous system have been classified into a number of different cell types based on their level of expression of a

molecule or portion thereof, or a set of two or more molecules or portions thereof (referred to herein as "markers"). The molecule or portion thereof may be, *e.g.*, a particular gene product, a lipid, a carbohydrate modification of a polypeptide or lipid, *etc.*, (referred to herein as "markers"). The marker(s) are said to be characteristic of the cell type. Cells may be classified into types with varying degrees of specificity. For example, the cell type may be an interneuron or may be more specifically classified as being a particular type of interneuron. Certain cell types may be identified based on their expression of a single marker. Other cell types may be identified based on their expression of two or more markers (referred to as a "set" of markers), in which case each marker may be expressed in more than one cell type with specific sets of markers serving to identify specific cell types. In some instances the cell is identified based on whether or not the marker is detectably present in the cell or at its surface at significant levels (above background). In some instances the cell is identified as being of a particular type based on the level at which the marker is present in the cell relative to the level at which it is present in cells of other types. Markers include molecules and portions thereof, wherein absence of the molecule or portion thereof may in part be used to classify cells into different types. Expression of a marker or a specific set of markers may correlate with various parameters such as morphology *(e.g.,* branching pattern of neuronal processes), location, and/or electrophysiologic properties.

[00108] The invention provides methods for selecting a cell type as a target for modulation to regulate plasticity based on identifying genes that are differentially regulated under plasticity-modifying conditions. Cells of the cell type are involved in regulating one or more aspects of plasticity. Cells of the cell type may play a role in maintaining or terminating a critical period. They may play a role in modifying the ability of other cells to respond to inputs, *e.g.,* nerve impulses arising as a result of environmental stimuli. They may regulate formation of new synaptic connections between neurons and/or regulate the strengthening or weakening of existing synaptic connections. The invention provides methods of selecting a cell type as a target for modulation comprising steps of: (i) subjecting an individual to a condition that modifies plasticity; (ii) measuring level or activity of each of a plurality of genes in at least a portion of the individual's nervous system; (iii) identifying one or more genes whose expression or activity is differentially regulated in the portion of the individual's nervous system relative to its expression or activity under alternative conditions; and (iv) selecting a cell type as a target for modulation, wherein a product of at least one of the genes is a marker of the cell type. "Product" here refers to an expression product of the gene or to a molecule or molecular modification that is present in a cell or at its surface as a result of the

expression of the gene. For example, if the gene encodes a kinase, the "product" may be the phosphorylated form of a substrate of the kinase. In certain embodiments of the invention, the cell type expresses at least two of the differentially regulated genes or expresses at least one of the differentially regulated genes and does not significantly express at least one of the differentially regulated genes. The method may include determining that the number of cells of the cell type is altered in at least a portion of the nervous system of an individual subjected to a plasticity-modifying condition. For example, immunohistochemistry or *in vivo* imaging can be used to evaluate cell number.

[001091 The marker may be any marker recognized in the art as useful to classify cells present in the nervous system into different cell types. In certain embodiments of the invention, the marker is a calcium binding protein. A variety of calcium binding proteins (CBPs) such as calbindin, parvalbumin, and calretenin are recognized in the art as being markers of different types of interneurons (Markram *et ah,* 2004, *Nat. Rev. Neurosci.,* 5:793; and Flames *et al.,* 2005, *Neuron,* 46:377). The marker may be a neuropeptide such as somatostatin, vasoactive intestinal peptide, neuropeptide Y, or cholecystokinin. These neuropeptides are recognized in the art as being markers of different types of interneurons (Markram, 2004; and Flames and Marin, 2005). Certain cell types are identified based on their expression of one or more CBPs and one or more neuropeptides.

[00110] In illustrative embodiments, as described in the Examples, inventive methods are applied to identify the gene that encodes parvalbumin (PV) as being downregulated (underexpressed) in the visual cortex under conditions of DR, which conditions prolong the state of plasticity associated with the critical period. The invention further identifies PV expressing interneurons as being reduced in number in visual cortex under conditions of DR. Thus in certain embodiments of the invention, the cell type selected as a target for modulation is a PV-expressing interneuron, *i.e.,* parvalbumin is a marker of the cell type selected as a target for modulation. In the cortex, interneurons that express PV are inhibitory interneurons that utilize γ-aminobutyric acid (GABA) as their neurotransmitter and are morphologically classifed as basket cells and chandelier cells (Markram, 2004).

[00111] The invention includes computer-readable media *{e.g.,* a hard disk, floppy disk, compact disk, zip disk, flash memory, magnetic memory, *etc.)* that store information related to any of the methods described above. Information may be organized in the form of a database, *i.e.,* a collection of data that is organized so that its contents can easily be accessed, managed and updated. Information may identify one or more genes that are differentially

regulated in at least a portion of the nervous system of an individual subjected to plasticity-modifying conditions, optionally under conditions in which an agent is administered to an individual during or after the time period in which the individual is subjected to plasticity-modifying conditions. Genes can be identified by name, by sequence, by accession number(s), *etc.* It will be appreciated that the information about expression and/or activity may relate to the genes themselves and/or to any of their expression products (RNA or protein). The information may indicate the nature of the conditions under which differential regulation was observed, may identify genes whose expression is altered by a plasticity-modifying agent, *etc.* Genes may be listed in order or ranked, *e.g.,* according to the significance of their differential regulation. Exemplary collections of such information are provided in Tables 4-11. Computer-readable media may store information identifying genes that are not differentially regulated, provided that they also include information pertaining to genes that are differentially regulated and identifies those genes as being relevant to plasticity, to nervous system structure, function, recovery or reorganization, *etc.* Additional information related to the gene(s) and/or to their role in plasticity or nervous system recovery or reorganization can be included, *e.g.,* (i) quantitative information related to the extent to which the gene(s) is/are differentially regulated and/or its significance; (ii) information identifying a biological pathway or process enriched in one or more of the genes; (iii) results obtained by administering an agent that modulates expression or activity of one or more of the genes to a subject, *etc.* The invention also includes methods comprising the step of electronically sending or receiving any of the afore-mentioned information and, optionally, storing at least part of the information and/or creating a new computer-readable medium or copy containing at least part of the information.

Compositions and Methods for Modulating Plasticity and Promoting Nervous System Reorganization and Recovery

[00112] The present invention is based in part on the identification of genes that are differentially regulated in response to particular environmental conditions that modify plasticity, namely dark rearing and monocular deprivation. The invention is based in part on the identification of biological processes and pathways that are enriched for one or more of these differentially regulated genes and are therefore considered herein to be differentially regulated pathways. In some embodiments, the present invention encompasses the recognition that expression products of certain genes that are differentially regulated in

response to DR and/or MD are involved in plasticity. In some embodiments, the present invention encompasses the recognition that certain of these genes are implicated as being involved in structural and/or functional nervous system reorganization following nervous system damage and can be manipulated to achieve therapeutic benefit. In some embodiments, the present invention encompasses the recognition that certain of these expression products, and agents that modulate their expression and/or activity, are of use to promote nervous system recovery and/or reorganization following nervous system damage, *e.g.,* following ischemic, hemorrhagic, neoplastic, degenerative, traumatic, and/or neurodevelopmental damage and/or to inhibit nervous system deterioration that would otherwise occur, *e.g.,* as a result of deprivation of input.

[00113] The invention identifies (i) genes whose expression is downregulated in visual cortex under conditions of DR (Table 4), (ii) genes whose expression is upregulated in visual cortex under conditions of DR (Table 5), (iii) genes whose expression is downregulated in visual cortex under conditions of long term MD (Table 6), (iv) genes whose expression is upregulated in visual cortex under conditions of long term MD (Table 7), (v) genes whose expression is downregulated in visual cortex under conditions of short term MD (Table 8), and (vi) genes whose expression is upregulated in visual cortex under conditions of short term MD (Table 9). The invention identifies genes that are differentially regulated in visual cortex under conditions of short term MD in subjects who are treated with a plasticity-modifying agent, namely an activator of the IGFl pathway (Tables 10 and 11). These genes are identified as candidates for modulation to modify plasticity and/or to promote functional and/or structural nervous system reorganization or recovery of the nervous system. The genes were identified at least in part by hybridizing mRNA to a microarray from Affymetrix (www.affymetrix.com) that contained probes for a large number of mouse genes (see Example 1). The numbered rows in Tables 4-1 1 list (from left to right, separated by spaces or tabs) the Affymetrix identifier of the probe, the p value, the data for experimental condition *(e.g.,* MD or DR) and control, the gene symbol corresponding to the probe (where available), accession number(s) for the genes and/or proteins, and Reference Sequence (RefSeq) identifier. Items that are not available or not included are indicated by —. It will be appreciated that the entries in the tables can be arranged in a number of different ways and the specific ordering presented in the tables is not intended to be limiting. For example, the entries can be listed and/or ranked on the basis of ascending p value, on the basis of the absolute or relative magnitude of the difference in expression between the experimental and control conditions, *etc.*

[00114] One of ordinary skill in the art will be able to obtain additional information about the genes and their expression product(s) listed in Tables 4-1 1 and/or discussed herein, *e.g.*, their sequences, by searching public databases such as those available through Entrez, the search and retrieval system used at the National Center for Biotechnology Information (www.ncbi.nlm.nih.gov) for databases, including PubMed, Nucleotide and Protein Sequences {*e.g.*, Genbank), Protein Structures, Complete Genomes, Taxonomy, *etc.*, (www. ncbi.nlm.nih.gov/gquery/gquery.fcgi). These databases can be searched using the symbols or names of the genes. One of skill in the art will also recognize that additional information can be found at the publicly available Affymetrix website, Netaffx Analysis Center (www.affymetrix.com/analysis/index.affx), visited April 12, 2006, which allows one to correlate GeneChip® array results with array design and annotation information and can be queried by ID. The website includes libraries for each microarray that provide the IDs of the probes and accession numbers for the corresponding genes and proteins.

[00115] The invention provides methods for modifying plasticity in the nervous system of a subject comprising steps of: administering a plasticity-modifying agent to a subject in need thereof, wherein the agent is administered either alone or in combination with one or more additional agents in an amount effective to modify nervous system plasticity, wherein the plasticity-modifying agent modulates a gene or pathway that is differentially regulated in at least a portion of the nervous system of an individual subjected to a plasticity-modifying condition. In other words, when administered to the subject, the agent modulates a gene or pathway, wherein the gene or pathway is a gene or pathway that is differentially regulated in the nervous system of an individual subjected to a plasticity-modifying condition, *e.g.*, *a.* gene or pathway identified using the methods of the present invention. The subject to whom the agent is administered may or may not be subjected to a plasticity-modifying condition. In certain embodiments of the invention, the plasticity-modifying condition is DR or MD. In certain specific embodiments, the plasticity-modifying condition is MD. In certain embodiments of the invention the agent modifies plasticity in a manner that depends on nervous system activity, *e.g.*, the extent to which the nervous system undergoes structural or functional alteration in the presence of the agent will depend on the type of inputs received by the nervous system and/or the type of stimuli to which the nervous system is subjected. In certain embodiments of the invention, the agent enhances the ability of the nervous system to modify its structure or function in response to the presence of a second agent such as a neural growth enhancing agent. Thus the plasticity-enhancing agent may at least in part play a permissive role, contributing to structural or functional recovery or reorganization in the

nervous system when administered to a subject who is receiving rehabilitative therapy that modifies nervous system inputs or who is receiving a neural growth enhancing agent.

[001 16] The invention further provides methods of promoting reorganization or recovery in the nervous system of a subject comprising steps of: administering a plasticity-modifying agent to a subject in need thereof, wherein the agent is administered either alone or in combination with one or more additional agents in an amount effective to promote nervous system reorganization or recovery, wherein the plasticity-modifying agent modulates a gene or pathway that is differentially regulated in at least a portion of the nervous system of an individual subjected to a plasticity-modifying condition, *e.g.,* conditions of DR or MD. The subject may have suffered ischemic, hemorrhagic, neoplastic, traumatic, neurodegenerative, toxic, and/or neurodevelopmental damage to the nervous system. The agent may contribute to *(e.g.,* enhance) recovery or reorganization in the subject's nervous system and/or promote normalization of function. In other words, the degree of reorganization or recovery of the nervous system, or improvement of function, is greater than would have been the case if the agent had not been administered to the subject. In certain embodiments of the invention, the agent does not act solely or primarily by exerting a neuroprotective effect, *e.g.,* does not act solely or primarily by inhibiting cell death or dysfunction *(e.g.,* necrosis or apoptosis). In certain embodiments of the invention, the agent exerts both a neuroprotective effect and a plasticity-enhancing effect. According to certain embodiments of the invention, the agent is capable of exerting a neuroprotective effect but is administered within a particular time window subsequent to a specific damaging event such as a stroke, at a time that falls outside the time window during which the agent would exert a neuroprotective effect.

[00117] The above methods may modify plasticity and/or promote recovery or reorganization in any one or more portions of the nervous system. For example, in certain embodiments of the invention, a method modifies plasticity, *e.g.,* promotes plasticity, and/or promote recovery or reorganization in at least a portion of the visual cortex. In certain embodiments of the invention, the portion of the nervous system is one located in proximity to an implanted drug delivery device. For example, the portion of the nervous system may be located up to 1, 2, 3, 4, 5, 6, 7, 8, 9, or 10 centimeters (cm) away from the surface or border of the device.

[00118] Typically, agents and compositions in accordance with the invention promote structural reorganization and/or functional reorganization of the nervous system or a portion thereof or maintain the nervous system in a state in which such reorganization can occur. In certain specific embodiments, agents of the invention promote structural and/or functional

recovery of the nervous system or a portion thereof. It will be appreciated that often there will be a correlation between (i) structural reorganization and/or recovery and (ii) functional reorganization and/or recovery, *e.g.,* both structural reorganization and/or recovery as well as functional reorganization and/or recovery take place. However, in some embodiments of the invention, functional reorganization and/or recovery take place without detectable evidence of structural reorganization and/or recovery. In some embodiments of the invention, structural reorganization and/or recovery take place without detectable evidence of functional reorganization and/or recovery during a particular time period of evaluation. In such embodiments, functional reorganization and/or recovery may occur at a later time, and/or the recovery may not be detected using the particular measurement tools and methods used for the evaluation. It will also be appreciated that reorganization is typically associated with recovery, but reorganization can precede noticeable evidence of recovery, sometimes by a significant period of time.

[00119] Functional recovery from damaging events may involve regrowth of physical connections *{e.g.,* synapses) between surviving nervous system cells *{e.g.,* neurons, glial cells) and/or establishment of new connections. Certain of the plasticity-modifying agents may interact directly with cells *{e.g.,* neurons, glial cells, *etc.)* to enhance their plasticity and/or stimulate their capacity for structural and/or functional reorganization. Agents may be administered in conjuction with an agent that causes degradation of molecule(s) present in the ECM that would otherwise impede beneficial structural changes or would exert inhibitory effects on nervous system cells. In certain embodiments of the invention, two or more agents are administered concurrently or sequentially to a subject. Either or both of the agents may be focally administered to the nervous system of the subject.

Plasticity-Modifying Agents

[00120] The invention identifies a number of genes and biological pathways that may be modulated to modify plasticity. Before discussing certain of these genes and pathways it should be noted that certain of the genes and their encoded polypeptides discussed herein are members of families, and in some cases multiple isoforms of a particular polypeptide exist, as well as post-translationally modified forms (e.g., forms that have been modified by phosphorylation, glycosylation, acylation, *etc.).* In such cases a single name may be used to collectively refer to multiple genes or polypeptides. For example, "PI3K" refers to any member or set of members of the PI3K family. "AKT" refers to at least Aktl, Akt2, and/or Akt3, *etc.* "STAT" refers to at least STAT12, 3, 4, 5a, 5b, 6, and/or7, *etc.* "JAK" refers to at least JAKl, JAK2, JAK3, and/or Tyk2, *etc.* Similarly, the "JAK/STAT pathway" refers to

any pathway involving at least one JAK and at least one STAT. It will be appreciated that in certain embodiments of the invention it will be desirable to selectively modulate one or more members of a family, *e.g.*, one or more members that is/are present in the nervous system. It will be also be appreciated that multiple variant polypeptides encoded by a single gene may arise from RNA and/or protein splicing and that gene editing can also give rise to variants, all of which may be referred to by the same name or symbol herein. The invention thus includes embodiments in which any one or more members of a family, isoforms, splice variants that arise from RNA or protein splicing or gene editing, post-translationally modified forms, *etc.*, are modulated.

[00121] One of ordinary skill in the art will readily understand which particular genes and gene products *(e.g.* mRNA and polypeptides) are referred to using the names listed herein and will be able to retrieve the sequences of these genes and gene products and relevant information such as sources from which the molecule can be purified or obtained using, *e.g.*, publicly available databases such as Genbank and PubMed. For example, one of skill in the art can search the Entrez Gene database provided by the National Center for Biotechnology Information (NCBI), available at the web site having URL www.ncbi.nlm.nih.gov/entrez/query.fcgi?C3VID=search&DB=gene and can thereby locate the Gene ID for any particular gene or polypeptide of interest. It will be appreciated that allelic variants, homologs, and biologically active fragments or variants of the molecules described herein also be used.

[00122] In some embodiments (described in more detail in the Examples), IGFBP5 is identified as being differentially regulated under a particular deprived condition (MD). IGFBP5 is a component of the IGFl pathway. The invention contemplates modulating one or more components of the IGFl pathway in order to modify plasticity. The invention contemplates modulating one or more components of the IGFl pathway to promote recovery or reorganization of the nervous system in a subject in need thereof.

[00123] As described in the Examples, IGFPB5 is significantly upregulated under conditions of MD in the visual cortex of subjects that are subjected to MD. IGFBP5 is one of the most upregulated genes after MD both at the mRNA and protein level. Furthermore, the IGFl pathway is one of the biological pathways that is most enriched for genes that are differentially regulated after MD, and both IGFBP5 and IGFl are constituents of several highly enriched pathways after MD. Therefore, the IGFl pathway is identified as being a plasticity-related pathway of particular interest. As described in Example 4, administration of an activator of the IFGl pathway prevented many of the effects of monocular deprivation on

the V1 region of the cortex. To the best of the inventors' knowledge, these results represent the first evidence showing the possible functional involvement of the IGF1/IGFBP5 system in experience-dependent plasticity in the cortex. The results demonstrate that IGFl and/or pathways and mechanisms involving IGFl stabilize synapses and alter plasticity.

{00124] IGFl is a member of a superfamily of growth-promoting peptides related to insulin in sequence and biological activity. The actions of IGFl are mediated by the type I IGF receptor (IGFlR), which transmits binding of IGFl to an intracellular signaling cascade. Binding of IGFs to the IGFlR enhances the receptors's tyrosine kinase activity, resulting in phosphorylation of insulin receptor substrates IRS1-IRS4, which leads to activation of two major downstream signaling pathways, the mitogen activated protein kinase (MAPK) and the phosphoinositide 3-kinase (PI3K) pathways. The PI3K pathway is discussed further below. Six IGF binding proteins (IGFBPl -IGFBP6) regulate the biological activity of IGFl by a variety of mechanisms, and some of the IGFBPs have effects independent of IGFl. IGFl, IGFlR, and certain of the IGFBPs are expressed in the CNS and have been postulated to have a variety of different functions therein (Russo, 2005). IGFl interacts with a variety of different proteins, and activation of the IGFl pathway results in phosphorylation of a large number of downstream substrates.

[00125] The IGFl pathway can be modulated using a variety of different methods. In certain embodiments of the invention, the pathway is modulated so as to increase the activity of the pathway. IGFl or a biologically active fragment thereof can be administered to the subject to activate the pathway. In some embodiments, the tripeptide GPE is used. Alternatively or additionally, a different ligand of an IGF receptor can be administered. The ligand can be an agonist or antagonist, depending *on* whether it is desired to inhibit or activate the receptor. In some embodiments, methods include (i) administering agent that disrupts the physical association between IGFl and an IGFBP; (ii) administering an agent that activates or inhibits a kinase that phosphorylates one or more IGFl substrates; (iii) administering an agent that activates or inhibits a phosphatase that dephosphorylates one or more IGFl substrates; (iv) administering an agent that upregulates expression of IGFl or IGFlR; (v) admininistering an agent that upregulates or downregulates expression of an IGFBP; (vi) administering an agent that increases the expression or activity of a component of the PI3K, and/or Akt signaling cascade, *etc.* In one embodiment, an RNAi agent is used to inhibit expression of one or more genes in the pathway, *e.g.,* a gene encoding an IGF binding protein such as IGFBP5.

[00126] In certain embodiments of the invention, the phosphoinositide 3-kinase (PI3K) signal transduction pathway is modulated. Phosphoinositide 3-kinase, also referred to as phosphatidylinositol 3-kinase, is a lipid kinase and a serine/threonine kinase that is a component of a signal transduction pathway involving Src-like or receptor tyrosine kinases such as the IGFl receptor. Thus, the PI3K pathway is responsible at least in part for the actions of IGFl. The PI3K kinase superfamily includes a large number of structurally related enzymes with differing regulation and substrates (see Foster, 2003 and Paez *et al,* 2003, for reviews). "Classical" PI3K comprises a regulatory subunit (p85) and a 110-kDa catalytic subunit (pi 10). PI3K acts through a downstream effector protein kinase B (PKB, also named Akt) to regulate many cellular processes including cell survival, cell proliferation, vesicular trafficking, inflammation and apoptosis inhibition. Three isoforms of Akt (Aktl, Akt2, and Akt3) are known. When activated, P13K phosphorylates phosphoinositides at the 3' position of the inositol ring. Following their phosphorylation the phosphoinositides promote Akt activation by phosphorylation. Activated Akt (phosphoAkt) then phosphorylates a variety of substrates.

[00127] As described in the Examples, PI3K, which is activated by IGFl, was significantly diminished in expression after MD, but expression was fully restored after MD when IGFl treatment was administered, suggesting that the plasticity-related effects of IGFl may at least in part be mediated through PI3K. The present invention encompasses modulating the PI3K pathway, optionally by modulating the expression or activity of Akt, to modify plasticity in a subject in need thereof. For example, the invention encompasses administering an agent that inhibits or enhances phosphorylation of Akt. The invention contemplates modulating one or more components of the PI3K pathway, *e.g.,* Akt, to promote recovery or reorganization of the nervous system in a subject in need thereof. Agents that modulate activity of PI3K and/or Akt are known in the art (see, *e.g.,* U.S. Patent Publication 2003/0236271, which describes bicyclic or tricyclic fused heteroaryl derivatives useful to inhibit PI3K; and U.S. Patent Publication 2004/0176385, describing small molecule inhibitors of PI3K). In some embodiments, the agent is an RNAi agent, such as an siRNA that is targeted to a component of the PI3K signal transduction pathway (see, *e.g.,* U.S. Patent Publication 2005/0272682).

[00128] In certain embodiments (described in more detail in the Examples), STATl is identified as being differentially regulated under a particular deprived condition (monocular deprivation), and the JAK/STAT pathway is identified as being a plasticity-related pathway. In particular, STATl is upregulated in the visual cortex of subjects that are subjected to MD.

Furthermore, phosphorylated STATl was upregulated, indicating activation of the JAK-STAT cascade. The invention contemplates modulating one or more components of the JAK/STAT pathway in order to modify plasticity in a subject in need thereof. The invention also contemplates modulating one or more components of the JAK/STAT pathway to promote recovery or reorganization of the nervous system in a subject in need thereof. The JAK/STAT pathway is the major signaling mechanism for a diverse group of cytokines and growth factors (reviewed in Rawlings *et al,* 2004, *J. Cell ScI,* 117:1281). Binding of these ligands to their receptors induces multimerization of receptor subunits that are associated with Janus tyrosine kinases (JAKs), allowing transphosphorylation of the JAKs. Activated JAKs phosphorylate signal transducers and activators of transcription proteins (STATs), transcription factors that are present in the cytoplasm in latent form until activated. Phosphorylated STATs dimerize and are translocated into the nucleus, where they activate or repress transcription of target genes. In addition to these main components of the JAK/STAT pathway, other proteins that contribute to JAK/STAT signaling include signal-trans adapter molecules (STAMs), STAT-interacting protein (StIP), and the SH2B/Lnk/APS family. There are three main classes of negative regulators of JAK/STAT signaling: suppressor of cytokine signaling (SOCS) proteins, protein inhibitors of activated STATs (PIAS) proteins, and protein tyrosine phosphatases (PTPs).

[00129] The JAK/STAT pathway can be modulated using a variety of different methods. A component of the JAK/STAT pathway *(e.g.,* a STAT or JAK polypeptide), or a ligand of a JAK-binding cytokine receptor can be administered. For example, a receptor agonist can be administered to activate the pathway, or an antagonist can be administered to inhibit the pathway. Other methods to modulate the JAK/STAT pathway include administering an agent that (i) disrupts or inhibits the physical association between a JAK and a STAT; (ii) activates or inhibits a kinase that phosphorylates one or more JAK substrates; (iii) activates or inhibits a phosphatase that dephosphorylates one or more JAK substrates; (iv) upregulates expression of a component of the JAK/STAT pathway; (v) downregulates expression of a component of the JAK/STAT pathway; (vi) disrupts the physical association between a JAK-binding cytokine receptor and a JAK; (vii) activates or inhibits a JAK-binding cytokine receptor; (viii) inhibits or enhances translocation of a STAT to the nucleus; (ix) inhibits association of a STAT with DNA; (x) disrupts the physical association between a JAK-binding cytokine receptor and an endogenous JAK regulating protein such as a SOCS or PIAS protein; (xi) induces or inhibits expression of an endogenous JAK regulating protein, *etc.* As noted above, RNAi agents are of use to inhibit expression of genes in the pathway, *e.g.,* one or more JAK,

STAT, SOCS, or PIAS proteins. In general, inhibiting expression of a JAK or STAT will inhibit the JAK/STAT pathway, while inhibiting expression of a negative regulator such as a SOCS or PIAS protein will activate the pathway.

[00130] The present invention encompasses the discovery that phosphorylated STATl is upregulated after MD. Without wishing to be bound by any theory, this upregulation may be a response of the brain to remove or reduce deprived eye connections as well as possibly expand non-deprived eye connections. Thus, upregulating STATl or otherwise activating the pathway in which it acts would enhance plasticity and/or increase the ocular dominance shift in a MD model.

[00131] In some embodiments, the agent that modulates the JAK/STAT pathway is a cytokine. Cytokines are polypeptides secreted by immune system cells *(e.g.,* lymphocytes, macrophages, *etc.)* that exert a biological effect on other immune system cells and/or on other cells in the body. Examples include interferons, interleukins, chemokines, *etc.* The cytokine may upregulate a component of the JAK/STAT pathway such as STATl . IFNγ is an exemplary cytokine of use in the invention to activate the JAK/STAT pathway. In some embodiments, the agent reduces STATl expression or activity. Exemplary agents that reduce STATl expression or activity include ionomycin and fludarabine. Without wishing to be bound by any theory, administration of these agents may alter the ocular dominance shift in an MD model. In some embodiments, the agent is a peroxisome proliferator receptor (PPAR)-gamma agonist. Examples include various prostoaglandins such as 15-deoxy-delta 12, 14-prostaglandin J(2), thiazolidinediones such as rosiglitazone, *etc.* In certain embodiments of the invention, one or more of these agents is administered to inhibit phosphorylation of one or more STAT or JAK proteins. In some embodiments, the agent is an HMG-CoA reductase inhibitor. HMG-CoA reductase inhibitors include statins such as simvastatin, atorvastatin, lovastatin, *etc.* These agents may be administered to inhibit the JAK/STAT pathway. Agents that inhibit STATl phosphorylation by inhibiting JAKs include tryphostins such as AG490 which blocks the action of JAK2 (Meydan *et al.,* 1996, *Nature,* 379:645) and WHI-P131, which blocks the action of JAK3 (Sudbeck *et al.,* 1999, *CUn. Cancer Res.,* 5:1569). Tyrphostins are low molecular weight compounds that specifically inhibit protein tyrosine kinases. See also U.S. Patent 6,080,748, which describes a variety of dimethoxyquinazoline compounds useful as inhibitors of JAK3. See also U.S. Patent Publications 2003/0236244, 2004/0209799, 2004/0097504, 2005/0159385, and 2005/0148574.

[00132] The invention provides methods of modifying plasticity comprising steps of: modulating a cell type characterized in that one or more markers of the cell type is a product of a gene that is differentially regulated in at least a portion of the nervous system of an individual subjected to a condition that modifies plasticity. The invention provides methods of modifying plasticity comprising steps of: modulating a marker of a cell type characterized in that one or more markers of the cell type is a product of a gene that is differentially regulated in at least a portion of the nervous system of an individual subjected to a condition that modifies plasticity.

[00133] As noted above, the invention identifies the gene that encodes PV as being downregulated *(i.e.* underexpressed) in the visual cortex under conditions of DR, which prolong the state of plasticity associated with the critical period. The invention identifies PV expressing interneurons as being reduced in number in visual cortex under conditions of DR. Based at least in part on these discoveries, the invention provides methods of modifying plasticity in the nervous system of a subject comprising administering a plasticity-modifying agent to the subject, wherein the plasticity-modifying agent modulates development, survival, and/or activity of parvalbumin expressing interneurons in at least a portion of the brain. In some embodiments, the agent inhibits development, survival, and/or activity of parvalbumin expressing interneurons in at least a portion of the brain. In certain embodiments of the invention, the plasticity-modifying agent inhibits expression or activity of parvalbumin.

[00134] Exemplary methods of inhibiting development, survival, and/or activity of parvalbumin expressing interneurons include administering L-type calcium channel antagonists such as nimodipine or nifedipine (Jiang *et ah*, 200.5, *Neuroscience,* 135:839). In some embodiments, PV expressing interneurons are targeted for elimination by administering a complex comprising a cytotoxic agent and a targeting moiety, wherein the targeting moiety specifically binds to a marker of PV expressing interneurons, *e.g.,* a molecule or portion thereof present at the cell surface of PV expressing interneurons. The complex or a portion thereof may be internalized. The cytotoxic agent selectively kills interneurons that have the marker present at their cell surface. "At the cell surface" is used herein to mean that a molecule or portion thereof is exposed to the extracellular environment and accessible to binding by a suitable binding agent.

[00135] The cytotoxic agent may be covalently or noncovalently associated with the targeting moiety. Alternatively or additionally, both the cytotoxic agent and the targeting moiety may be covalently or noncovalently associated with a third entity. For example, in some embodiments, the cytotoxic agent and the targeting moiety are covalently attached to one another either directly or via a linker moiety to form a conjugate. In some embodiments, the cytotoxic agent and the targeting moiety are associated with a delivery vehicle such as a polymeric scaffold, polymeric particle, or liposome. A variety of cytotoxic moieties can be used. Exemplary classes include alkalizing or alkylating agents, alkyl sulfonates, aziridines, ethylenimines and methylamelamines, nitrogen mustards, certain antibiotics, anti-metabolites, folic acid analogues, purine analogs, pyrimidine analogs, arabinosides, platinum analogs, microtubule inhibitors *(e.g.*, microtubule depolymerizing agents or stabilizers), topoisomerase inhibitors, proteasome inhibitors, proapoptotic agents, kinase inhibitors, radioisotopes, toxins such as diphtheria toxin, *Pseudomonas* exotoxin A (PE), cholera toxin (CT), pertussis toxin (PT), ricin A chain, botulinum toxin A, conotoxins, *etc.* The marker may be, *e.g.*, an ion channel or receptor subunit that is expressed by PV expressing interneurons. Typically, the marker is present at the cell surface of PV expressing interneurons at a higher average level than the level at which it is present at the cell surface of most or all other cell types in the nervous system. Examples include α subunits of L-type calcium channels *{e.g.*, subunit 1.2 or 1.3; Jiang and Swann, 2005), NR2A subunits of NMDA receptors (KLinney, 2006), and the following ion channel subunits: HCN2, Kv3.1, KvI .2, Kvl.6, KvI. 1, Kv3.2, HCNl, KVβl, and CaαlA (Markram, 2004). The targeting moiety can be ligand of a receptor or channel that includes any of the foregoing subunits, an antibody or other specific binding agent *(e.g.*, an aptamer or a binding peptide selected through phage display) that binds to a marker such as any of the foregoing subunits, *etc.*

[00136] Alternatively or additionally, in certain embodiments of the invention, it is desirable to reduce plasticity by accelerating or enhancing the development, survival, and/or activity of PV expressing interneurons. For example, agonists of L-type calcium channels such as BayK 8644 can be used.

{00137] In some embodiments, the present invention relates to administering combinations of multiple plasticity-modifying agents to a subject. The agents may be administered together in a single composition or separately. In some embodiments, an agent that modulates the IGFl pathway and an agent that modulates the JAK/STAT pathway are administered. In some embodiments, an agent that modulates the IGFl or JAK/STAT pathway and that inhibits development, survival, and/or activity PV expressing interneurons is administered. In some embodiments, an agent that modulates the IGFl pathway, an agent that modulates the JAK/STAT pathway, and an agent that inhibits development, survival, and/or activity PV expressing interneurons are administered.

[00138] In some embodiments, the invention relates to compositions comprising multiple plasticity-modifying agents. One such composition comprises an agent that activates the IGFl pathway and an agent that activates or inhibits the JAK/STAT pathway. The composition can comprise any agent that activates the IGFl pathway and any agent that activates or inhibits the JAK/STAT pathway. In some embodiments, the composition comprises IGFl or a biologically active variant or fragment thereof such as GPE, and an HMG-CoA reductase inhibitor such as a statin. In some embodiments, the composition comprises IFNγ or a biologically active fragment or variant thereof and an HMG-CoA reductase inhibitor.

Combined Administration of Plasticity-Modifying Agent and Proteolysis-Enhancing Agent

[00139] In certain embodiments of the invention, one or more plasticity-modifying agents and one or more proteolysis-enhancing agents are administered to a subject. As described in co-pending patent application U.S.S.N. 11/205,501, entitled COMPOSITIONS AND METHODS FOR ENHANCING STRUCTURAL AND FUNCTIONAL NERVOUS SYSTEM REORGANIZATION, now published as U.S. Patent Publication 2006/0104969, the inventors have shown that focal administration of proteolysis-enhancing agents such as tPA, plasmin, or agents with plasmin-like activity to the nervous system of a subject promotes reorganization and recovery in the subject's nervous system. The invention provides methods for modifying plasticity in the nervous system of a subject comprising the step of: administering a plasticity-modifying agent and a proteolysis-enhancing agent to a subject in need thereof, wherein the agents are administered in an amount and for a time effective to modify nervous system plasticity, wherein the plasticity-modifying agent modulates a gene or pathway that is differentially regulated in at least a portion of the nervous system of an individual subjected to a plasticity-modifying condition. For example, in certain embodiments of the invention, the agent modulates a gene or pathway that is differentially regulated in at least a portion of the nervous system of an individual subjected to conditions of dark rearing (DR) or monocular deprivation (MD). The plasticity-modifying agent can be , *e.g.,* any of the agents described herein.

[00140] Without wishing to be bound by any theory, proteolysis of one or more ECM component(s), mediated by a proteolysis-enhancing agent such as tPA and/or plasmin, creates an environment that is permissive for structural reorganization and may enhance activity of a plasticity-modifying agent. Thus, the present invention encompasses the recognition that

enhancing proteolytic activity in the nervous system following nervous system damage in combination with administering a plasticity-modifying agent may permit increased structural remodeling relative to either therapy alone, thereby contributing to improved functional recovery. The following sections describe proteolysis-enhancing agents of use in the invention, drug delivery devices, methods and locations for the focal administration of plasticity-promoting agents and proteolysis-enhancing agents, and various other features of the invention.

[00141] A variety of different proteolysis-enhancing agents, or combinations thereof, are of use in the invention. In certain embodiments of the invention, the proteolysis-enhancing agent is a polypeptide. In certain embodiments of the invention, the polypeptide is a protease. In certain embodiments of the invention, the proteolysis-enhancing agent enhances proteolysis of fibrin. The agent may directly cleave fibrin or may activate an endogenous protease that cleaves fibrin. In certain embodiments of the invention, the agent enhances proteolysis of a component of the ECM other than fibrin in addition to, or instead of, enhancig proteolysis of fibrin. For example, the proteolysis-enhancing agent may cleave one or more extracellular matrix components including, but not limited to, collagen, laminin, fibronectin, and proteoglycans. It is noted that the classification of a particular agent as a plasticity-promoting agent or a proteolysis-enhancing agent should not be understood to be limiting in any way. Thus the effect(s) of the proteolysis-enhancing agent on the nervous system may result wholly or in part from one or more activities that does not involve proteolysis. While the plasticity-promoting agents of the present invention are not recognized as having proteolytic activity, such activity is not excluded, and the effect(s) of the plasticity-promoting agent on the nervous system may result wholly or in part from proteolysis that occurs as an indirect effect of their administration. For example, administration of the plasticity-promoting agent may increase expression of an endogenous proteolysis-enhancing agent such as plasmin or inhibit the expression of an endogenous inhibitor of a proteolysis-enhancing agent.

[00142] Suitable agents for use in the present invention include components of the tPA/plasmin cascade. Components of the tPA/plasmin cascade include plasminogen activators such as tissue plasminogen activator (tPA) and variants thereof, plasminogen, and plasmin. Plasminogen activators (PAs) are serine proteases that catalyze the conversion of plasminogen to plasmin (Vassalli, 1991) by cleavage of a single peptide bond (R561-V562) yielding two chains that remain connected by two disulfide bridges (Higgins and Bennett, 1990). Plasmin is a potent serine protease whose major substrate *in vivo* is fibrin, the proteinaceous component of blood clots. Plasminogen activation by tPA is stimulated in the presence of fibrin. Plasmin has a broad substrate range and is capable of either directly or indirectly cleaving many other proteins, including most proteins found in the ECM. "Direct," as used herein, means that the protease physically interacts with the polypeptide that is cleaved, while "indirect" means that the protease does not usually physically interact with the polypeptide that is cleaved, but tends to interact with another molecule, *e.g.,* another protease, which in turn directly or indirectly cleaves the polypeptide. Plasmin is also capable of activating metalloprotease precursors. Metalloproteases in turn degrade ECM molecules. Metalloproteases are of use in certain embodiments of the present invention. In addition to the aforementioned substrates, plasmin cleaves and activates various growth factors and growth factor precursors. Although the liver is the major site of plasmin synthesis, plasminogen mRNA and protein have been detected in numerous brain regions. Thus, plasminogen is available to be cleaved by tPA administered to the nervous system.

[00143] Two PAs, tissue-type PA (tPA) and urokinase-type PA (uPA) have been identified in mammals. A major physiological function of PAs to trigger the lysis of clots by activating plasminogen to plasmin, which degrades fibrin. In the body, PA activity is regulated in part by various endogenous serine protease inhibitors that inhibit PAs, a number of which have been identified. Neuroserpin (Gene ID 5274) belongs to the serpin family of the serine protease inhibitors and is expressed by neurons of both the developing and the adult nervous system. Neuroserpin is present in regions of the brain where either tPA message or tPA protein are found, suggesting that neuroserpin may be the selective inhibitor of tPA in the CNS. Plasminogen activator inhibitor 1 (PAI-I; Gene ID 5054) is the main plasminogen activator inhibitor (PAI) in plasma but is also found in the nervous system. Protease-nexin I (Gene ID 5270), PAI-2 (Gene ID 5055), and PAI-3 (Gene ID 268591, *Mus musculus)* are other endogenous PAIs. Protease-nexin I and neuroserpin inhibit plasmin in addition to PAs.

[00144] While not wishing to be bound by any theory, there are a number of potential substrates for tPA and/or plasmin whose proteolysis may contribute to structural reorganization in the nervous system. Among these are various ECM proteins such as fibrin, fibronectin, tenascin, and laminin. In addition to plasmin, tPA may activate other proteases such as the plasmin-like protein hepatocyte growth factor (HGF), which may in turn cleave additional substrates.

[00145] tPA for use in the present invention may be from any species, although for administration to humans, it is generally desirable to use human tPA or a variant thereof. tPA and useful variants thereof, including variants with improved properties are described in U.S.

Patents 6,284,247; 6,261,837; 5,869,314; 5,770,426; 5,753,486 5,728,566; 5,728,565; 5,714,372; 5,616,486; 5,612,029; 5^587,159; 5,520,913; 5,520,911; 5,41 1,871; 5,385,732; 5,262,170; 5,185,259; 5,108,901; 4,766,075; 4,853,330, and other patents assigned to Genentech, Inc. (see also Higgïns 1990). For example, and without limitation, the tPA variant may have an alteration in the protease domain, relative to naturally occurring tPA, and/or may have a deletion of one or more amino acids at the N-terminus, relative to naturally occurring tPA. The tPA variant may have one or more additional glycosylation sites relative to naturally occurring tPA and/or may have an alteration that disrupts glycosylation that would normally occur in naturally occurring tPA when expressed in eukaryotic cells, *e.g.,* mammalian cells. Properties that may be of use include, but are not limited to, increased half-life, increased activity, increased affinity or specificity for fibrin, *etc.*

[00146] Human tPA has been assigned Gene ID 5327 in the Entrez Gene database (National Center for Biotechnology Information; NCBI) and the GenBank entry for the full length amino acid, mRNA, and gene sequences are AAA98809, K03021, and NM_000930, respectively. However, it is noted that it may be preferable to use the mature form of tPA, lacking the signal sequence peptide (as described, *e.g.,* in U.S. Patent 4,853,330 and Yelverton 1983) or a variant thereof.

[00147] The chymotrypsin family serine proteases, of which tPA is a member, are normally secreted as single chain proteins and are activated by a proteolytic cleavage at a specific site in the polypeptide chain to produce a two chain form (Renatus, 1997, and references therein). Both the single chain and two chain forms are active towards plasminogen, although the activity of the two-chain form is greater. Plasmin activates single-chain tPA to the two-chain form, thus resulting in a positive feedback loop. The single chain, the two chain form of tPA, and/or combinations thereof, may be used in the present invention.

[00148] tPA and variants thereof are commercially available and have been approved for administration to humans for a variety of conditions. For example alteplase (Activase®, Genentech, South San Franciso, CA) is recombinant human tPA. Reteplase (Retavase®, Rapilysin®; Boehringer Mannheim, Roche Centoror) is a recombinant non-glycosylated form of human tPA in which the molecule has been genetically engineered to contain 355 of the 527 amino acids of the original protein. Tenecteplase (TNKase®, Genentech) is a 527 amino acid glycoprotein derivative of human tPA that differs from naturally occurring human tPA by having three amino acid substitutions. These substitutions decrease plasma clearance, increase fibrin binding (and thereby increase fibrin specificity), and increase resistance to plasminogen activator inhibitor-1 (PAI-I). Anistreplase (Eminase®, SmithKline Beecham) is a commercially available human tPA.

[00149] Additional plasminogen activators include streptokinase (Streptase®, Kabikinase®) and urokinase (Abbokinase®), both of which are commercially available.

[00150] Alternatively or additionally, proteolysis-enhancing agents of use in the invention include tPA activators such as *Desmodus rotundus* salivary plasminogen activator (DSPA) Desmoteplase (Paion, Germany) which is derived from vampire bat saliva (Liberatore, 2003, and references therein). Four distinct proteases have been characterized and are referred to as *D rotundus* salivary plasminogen activators (DSPAs). Full-length vampire bat plasminogen activator (DSPAl) is the variant most intensively studied and exhibits >72% amino acid sequence identity with human tPA. However, 2 important functional differences are apparent. First, DSPAs exist as single-chain molecules that are not cleaved into 2 chain forms. Second, the catalytic activity of the DSPAs appears to be dependent on a fibrin cofactor. Urokinase plasminogen activators such as rescupase (Saruplase®, Grunenthal), and microplasmin (a cleavage product of plasminogen) are also of use in various embodiments of the invention. Alfimeprase (Nuvelo) is yet another proteolysis-enhancing agent of use in the present invention. Alfimeprase is a recombinantly produced, truncated form of fibrolase, a known directly fibrinolytic zinc metalloproteinase that was first isolated from the venom of the southern copperhead snake (Agkistrodon contortrix contortrix) (Toombs, 2001). These enzymes breaks down fibrin directly. Fibrolase itself is of use in the present invention. Also of use is staphylokinase (Schlott, 1997).

[00151] In some embodiments of the invention plasmin or mini-plasmin is administered instead of, or in addition to, tPA. A variety of other agents that have plasmin-like activity may be used. In general, such substances are able to cleave typical plasmin substrates, such as the synthetic substrate S-2251™ (Chromogenix-Instrumentation Laboratory, Milan, Italy), which is a conveniently assayed chromogenic substrate for plasmin and activated plasminogen. Other agents that have tPA-like activity *{e.g.,* they are able to cleave plasminogen and activate it in a similar manner to tPA) can be used.

[00152] Lumbrokinase is an enzyme or group of enzymes derived from earthworms *Lnmbricus rubellus* which has been known for some time (see, *e.g.*, reporting cloning of a gene encoding lumbrokinase, PI239, GenBank Accession No. AF433650; Ge, 2005). Other fibrinolytic proteases isolated from earthworms are of use (Cho, 2004). Also of use is nattokinase.

[00153] In some embodiments, a variety of fibrinolytic enzymes that have been isolated from various worms, insects, and parasites can be used in accordance with the present invention. For example, destabilase, an enzyme present in the leech, hydrolyzes fibrin cross-links (Zavalova, 1996; Zavalova, 2002).

[00154] In some embodiments of the invention, plasminogen is administered instead of, or in addition to, tPA.

[00155] Instead of, or in addition to, administering a molecule that itself has plasminogen activator activity, plasmin activity, or plasmin-like activity, substances that increase endogenous expression of plasminogen activators or plasmin may be administered. Such substances may act by increasing transcription or translation of the mRNA that encodes the molecule, stabilizes the molecule, *etc.* They include, but are not limited to, brain derived neurotrophic factor (BDNF), transforming growth factor-β (TGF-β), phorbol esters, and retinoic acid.

[00156] A variety of other agents can be administered to enhance protolysis in the central or peripheral nervous system in order to treat nervous system damage due to ischemic, hemorrhagic, neoplastic, traumatic, degenerative, and/or neurodevelopmental conditions. Certain of these agents are administered focally while others are administered using an alternate route of administration, *e.g.,* oral, intravenous, intraperitoneal, intramuscular, intradermal, transdermal, subcutaneous, pulmonary {*e.g.,* by inhalation into the lungs), nasal, *etc.* For example, sulodexide is a fibrinolytic agent that releases cellular tPA and thus is of use to increase tPA activity. In certain embodiments of the invention it is administered orally (Harenberg, 1998). Other agents of use in the invention to inhibit PAI include enalapril (Sakata, 1999) and ampotherin (Parkinnen, 1993).

[00157] Aspirin, which has been reported to stimulate piasmin activity, is of use in the invention (Milwidksy, 1991). In certain embodiments aspirin is not used, or if the subject is receiving aspirin, a different agent is used in addition to aspirin.

[00158] Another strategy that may be used to increase the level of plasminogen activator activity, plasmin activity, or plasmin-like activity is to administer a substance that inhibits one or more of the endogenous inhibitors of tPA or plasmin. Such endogenous inhibitors include PAI-I, PAI-2, PAI-3, and neuroserpin. A plasminogen activator inhibitor will be referred to as a PAI herein. In some embodiments, an inactive form of a PAI, which is unable to inhibit plasminogen activators, is used (see, *e.g.*, PCT Publication WO 97/39028; and Lawrence *et al*, 1997, *J. Biol. Chem.*, 272:7676; both of which describe various inactive forms of PAI). Without wishing to be bound by any theory, an inactive form of PAI may compete with an active form and thereby prevent inhibition of tPA. Small molecules and peptides that inhibit one or more PAIs are known in the art and are of use in the present invention. Examples include PAI-039 (Hennan, 2005), ZK4044 (Liang, 2005), tiplaxtinin (Elokdah, 2004), piperazine-based derivatives (Ye, 2004), T-686 (Ohtani, 1996), fendosal (HP129), AR-H029953XX, XR1853, XR51 18 and the peptide TVASS (Gils, 2002).

[00159] RNAi may be used to reduce expression of a transcript that encodes an inhibitory protein, *e.g.*, an endogenous PAI. siRNAs or shRNAs targeted to a transcript that encodes an endogenous PAI can be delivered together with a proteolysis-enhancing agent or administered separately. Alternatively or additionally, a vector that provides a template for intracellular synthesis of one or more RNAs that hybridize to each other or self-hybridize to form an siRNA or shRNA that inhibits expression of an inhibitory protein, or cells that synthesize such RNAs, can be administered.

100160] Antisense oligonucleotides complementary to an mRNA transcript that encodes an inhibitory protein, or ribozymes that cleave the transcript, or vector that provide template for intracellular synthesis of an antisense RNA or ribozyme can also be used to downregulate expression of the inhibitor. In some embodiments of the invention, an aptamer that binds to a PAI and inhibits its inhibitory activity is used. In some embodiments, an RNA or DNA enzyme that cleaves a transcript that encodes a PAI and thus inhibits its inhibitory activity is used.

[00161] In certain embodiments, an antibody or antibody fragment that binds to a PAI is used to inhibit its activity, or any polypeptide having a similar binding specificity, *e.g.*, an affibody. The antibody or antibody fragment can be any immunoglobulin or immunoglobulin-like molecule that binds to an antigen and can be monoclonal or polyclonal.

[00162] Any substance that acts to counteract the effect of a molecule that is inhibitory for activity of a proteolysis-enhancing agent, whether by causing degradation, by sequestering, by reducing expression, or by blocking interaction of the molecule with another molecule or with a cell will be said to counteract the inhibitory molecule and is within the scope and spirit of the invention.

[00163] The present invention encompasses the recognition that enhancing proteolytic activity in the nervous system following nervous system damage may permit increased structural remodeling, thereby contributing to improved functional recovery and will increase the efficacy of a plasticity-enhancing agent. However, the invention described herein does not require any particular mechanism of action. The invention encompasses use of variants or modified forms of the proteolysis-enhancing agents, wherein the variants or modified forms do not enhance proteolysis. For example, the invention encompasses variants of proteases *(e.g.,* variants having a mutation in an active site region) in which the sequence has been altered, such that the variant is no longer an active proteolytic agent. The invention also encompasses embodiments in which the proteolysis-enhancing agent has been chemically inactivated, such that it no longer enhances proteolysis. Thus in some embodiments of the invention an inactive form of a proteolysis-enhancing agent is focally administered. However, in general, a proteolysis-enhancing agent is active or capable of being activated when used according to the present invention.

[00164] It will be appreciated that various agents have been focally administered to the nervous system of a subject suffering from ischemic, hemorrhagic, neoplastic, traumatic, toxic, neurodegenerative, and/or neurodevelopmental damage to the nervous system, for purposes other than enhancing proteolysis. For example, analgesic agents are commonly administered. Should it be the case that any of such previously administered agents enhance proteolysis, such agent may be explicitly excluded from the present invention or, if used in the present invention, its use in the context of the present invention differs from such previous use. For example, its use in the context of the present invention involves administration to a different location, uses a different administration means, involves administration in combination with a plasticity-modifying agent, and/or employs a different dose and/or time course, *etc.*

[00165] The ability of PAs to trigger the lysis of clots has led to the use of PAs and other plasminogen-activating proteases such as streptokinase as thrombolytic agents for the treatment of myocardial infarction and stroke, as mentioned above. However, studies have suggested that tPA, which is released by neurons following excitotoxicity such as occurs in ischemia, could increase neuronal damage. Furthermore, release or leakage of tPA out of the vascular system and the attendant potential for damage to nervous system tissue, is a recognized hazard of thrombolytic therapy. Thus the invention described herein, which demonstrates that appropriate administration of plasmin and/or plasminogen-activating proteases such as tPA can actually contribute to structural and/or functional nervous system reorganization and recovery, is particularly noteworthy.

[00166] It will be appreciated that various embodiments of the present invention differ from previously reported uses of tPA (e.g., for purposes of thrombolysis) in at least one of the

following ways, which are described in further detail below: (i) administration as described herein is focally directed to the nervous system and does not typically take place via the vascular system; (ii) administration as described herein is typically performed at least 3 hours following the onset of a stroke or other damaging event and typically at least 12 hours or more following the onset of the damaging event; (iii) administration as described herein may occur multiple times *(e.g., 2*, 3, or more times) following the onset of a damaging event and/or may occur either intermittently or continuously over a prolonged time period following the onset of a damaging event *(e.g.,* over at least 1 week, 4 weeks, 1 month (30 days), 3 months, 6 months, 1 year, 2 years, 3 years, or even longer); (iv) administration as described herein typically does not use doses that would be sufficient to cause effective blood clot lysis at the site of administration when administered using methods that are intended to achieve blood clot lysis.

Variants and Fragments

[00167] It will be appreciated that most proteins can tolerate a certain amount of sequence variation without substantial loss of functional activity, provided that such sequence variation does not affect key residues that are required for such functional activity. The present invention therefore encompasses variants of the plasticity-enhancing or proteolysis-enhancing polypeptides (and other polypeptides disclosed herein), wherein such variants retain a significant amount of biological activity. For example, the fragment can have substantially similar activity *(e.g.,* at least about 10-20% of the relevant activity) to the original polypeptide, at least about 50% of the relevant activity, *etc.* The term "variants" includes fragments, *i.e.,* polypeptides whose sequence is a continuous subset of a polypeptide disclosed herein. Biologically active variants or fragments of certain polypeptides of interest herein are known in the art. The invention contemplates the use of any such variant or fragment. For example, GPE is a biologically active fragment of IGFl of use in the invention. Specifically encompassed are variants or fragments in which one or more kringle domains of a polypeptide disclosed herein, *e.g.,* plasrnin or tPA, is removed. Certain fragments of use in this invention contain a protease domain and, optionally, at least one kringle domain

[00168] As is well known in the'art,.certain amino acids are generally similar with respect to particular properties and can frequently be substituted for one another in a polypeptide without significantly altering the functional and structural properties of the polypeptide. For example, the variants may contain one or more conservative amino acid substitutions, which may be defined in accordance with Stryer, *Biochemistry,* 3rd ed., 1988. Amino acids in the

following groups possess similar features with respect to side chain properties such as charge, hydrophobicity, aromaticity, *etc.*, and can be substituted for one another in accordance with certain embodiments of the invention: (1) Aliphatic side chains: G, A, V, L, I; (2) Aromatic side chains: F, Y, W; (3) Sulfur-containing side chains: C, M; (4) Aliphatic hydroxyl side chains: S_3T; (5) Basic side chains: K, R, H; (6) Acidic amino acids: D, E, N, Q; (7) Cyclic aliphatic side chain: P (P may be considered to fall within group (I)). One of ordinary skill in the art will recognize that other definitions of conservative substitutions can also be used. Amino acid abbreviations used herein are in accordance with common usage in the art.

[00169] The present invention encompasses administration of variants that are at least 80% identical, at least 85% identical, at least 90% identical, at least 95% identical, or at least 98% identical to one or more of the polypeptides disclosed herein over a number of amino acids equal to at least 50% of the number of amino acids the polypeptide. Percent identity may be calculated by standard methods. For example, the percent identity between first and second polypeptides over a window of evaluation may be computed by aligning the polypeptides, determining the number of polypepties within the window of evaluation that are opposite an identical polypeptides allowing the introduction of gaps to maximize identity, dividing by the total number of amino acid positions in the window, and multiplying by 100. Various computer programs such as BLAST2, BLASTP, Gapped BLAST, *etc.*, generate alignments and provide % identity between sequences of interest. Algorithms employed in those programs (utilizing default values) can be used.

[00170J The present invention encompasses variants in which up to 20%, up to 15%, up to 10%, up to 5%, or up to 2% of the amino acid residues are either substituted *{e.g.,* conservatively substituted), deleted, or added, relative to a polypeptide disclosed herein. Specifically encompassed are allelic variants that exist within a population. The invention encompasses variants that are specifically recognized by immunological reagents *(e.g.,* monoclonal or polyclonal antibodies) that recognize a polypeptide disclosed herein, *i.e.,* the immunological reagent binds to the variant with a substantially similar affinity *(e.g.,* having a K_a at least 50% as great) as that with which it binds to the polypeptide.

[00171] The invention encompasses variants that have a substantially similar overall structure to the polypeptides disclosed herein. For example, certain variants possess sufficient structural similarity to a protein disclosed herein so that when its 3-dimensional structure (either actual or predicted, structure) is superimposed on the structure of the protein the volume of overlap is at least 70%, at least 80%, or at least 90% of the total volume of the structure. Furthermore a partial or complete 3-dimensional structure of a variant may be

determined by crystallizing the protein using methods known in the art. Alternatively or additionally, an NMR solution structure can be generated (see, *e.g.,* Heinemann, 2001; Wishart D. 2005; and references therein). A modeling program such as MODELLER (SaIi and Blundell, 1993), or any other modelling program, can be used to generate a predicted structure. The PROSPECT-PSPP suite of programs can be used (Guo, 2004).

[00172] In certain embodiments of the invention, the variant has substantially similar plasticity-modifying or proteolysis-enhancing activity as the polypeptide of which it is a variant. In certain embodiments of the invention, the variant does not have a substitution at an active site residue. Active site residues of serine proteases such as the proteases disclosed herein are well known in the art.

Methods of Preparing the Agents of the Invention

[00173] The agents disclosed herein are all known in the art, and it is believed that appropriate methods for their manufacture are well within the skill of those in the art and therefore need not be described here in detail. For example, and without limitation, many of the small molecules described herein can be chemically synthesized using known methods, as can siRNAs and antisense oligonucleotides, and peptides. Certain agents can be purified from natural sources.

[00174] Plasticity-modifying agent such as IGFl, IFNγ, and proteolysis-enhancing agents, *e.g.,*. tPA, or other polypeptides such as plasmin, growth factors, *etc.,* for use in the present invention, may be purified from natural sources, manufactured using recombinant DNA technology *(e.g.,* recombinant tPA), synthesized using purely chemical synthesis *(i.e.,* synthesis not requiring the use of cells to produce the polypeptide), *etc.*

[00175] Methods for producing a polypeptide of interest using recombinant DNA technology are well known in the art. Briefly, such methods generally involve inserting a coding sequence for the polypeptide into an expression vector, operatively associated with expression signals such as a promoter, such that mRNA encoding the protein is transcribed when the expression vector is introduced into a suitable host cell. The host cell translates the mRNA to produce the polypeptide. The polypeptide can include a secretion signal sequence so that the polypeptide is secreted into the medium. The polypeptide may be harvested from the cells or from the medium. Transgenic animals and plants are commonly used to produce polypeptides. Plants into which viral vectors have been introduced are also used to produce polypeptides.

[00176] Small molecules such as non-peptide neurotransmitters and analogs thereof, small peptides, neurally active metals, and other compounds disclosed herein are typically either purified from natural sources or chemically synthesized, as appropriate, according to standard methods.

[00177] Any of the agents disclosed herein can be provided as pharmaceutically acceptable salts, prodrugs, *etc.* Furthermore, any of the polypeptides disclosed herein can be modified using a variety of methods known in the art. For example, they can be modified by addition of polyethylene glycol (PEG) or variants thereof. Such modifications may increase the active half-life of the polypeptide (see, *e.g.,* Nektar Advanced Pegylation 2005-2006 Product Catalog, Nektar Therapeutics, San Carlos, CA, which describes a number of such modifying agents and provides details of appropriate conjugation procedures). For administration by injection or infusion, compositions of the invention will typically be mixed with pharmaceutically acceptable carriers or diluent such as sodium chloride *{e.g.,* 0.9%) or dextrose *(e.g., 5%* dextrose) aqueous solutions. Agents can be provided for administration either in solution or in lyophilized or otherwise dried form. They can be reconstituted in water, saline, *etc.,* followed by dilution in an appropriate pharmaceutically acceptable carrier or diluent.

Polymer-Based Drug Delivery Devices

[00178] The invention provides a drug delivery device for implantation into the nervous system of a subject to promote recovery or reorganization, *e.g.,* following ischemic, hemorrhagic, neoplastic, traumatic, and/or neurodevelopmental damage to the nervous system. The drug delivery device comprises a release material, a plasticity-modifying agent, and, optionally, one or more additinoal active agents such as a proteolysis-enhancing agent. The term "release material" is used to refer to any matrix or material that releases incorporated molecules by diffusion or disintegration of the matrix. In certain embodiments of the invention the release material is a biocompatible polymer. The proteolysis-enhancing agent is released from the release material in an amount effective to promote reorganization and/or recovery of the nervous system. A drug delivery device in which an an active agent is physically associated with a polymeric material such as those disclosed herein is referred to as a "polymer-based drug delivery device" in order to distinguish such devices from

mechanical drug delivery devices such as infusion pumps, which are used in various embodiments of this invention, though it should be recognized that materials other than polymers could also be used.

1001791 In certain embodiments of the invention, the plasticity-modifying agent and, optionally, the proteolysis-enhancing agent, is/are incorporated into or otherwise physically associated with a biocompatible polymeric matrix, which may be biodegradable or nonbiodegradable. Any form of physical association is acceptable provided that the association remains stable under conditions of storage and implantation and for sufficient time to release the active agent over a desired time period. For example, the active agent may be encapsulated within a polymeric matrix, entrapped or entangled within a polymeric matrix, adsorbed to the surface of a polymeric matrix, covalently attached to a polymeric matrix, *etc.* The matrix is delivered to or implanted into the body at the location of the target tissue or in the vicinity thereof. The agent is released from the polymeric matrix over a period of time, *e.g.* by diffusion out of the matrix or release into the extracellular environment as the matrix degrades or erodes. In some embodiments, the active agent is incorporated into liposomes.

[00180] The polymeric matrix may have a number of different shapes. For example, microparticles of various sizes (which may also be referred to as beads, microbeads, microspheres, nanoparticles, nanobeads, nanospheres, *etc.)* can be used. Polymeric microparticles and their use for drug delivery are well known in the art. Such particles are tyically approximately spherical in shape but may have irregular shapes. Generally, a microparticle will have a diameter of less than 500 microns, more typically less than 100 microns, and a nanoparticle will have a diameter of 1 micron or less. If the shape of the particle is irregular, then the volume will typically correspond to that of microspheres or nanspheres. Methods for making microspheres are described in the literature, for example, in U.S. Patent 4,272,398; Mathiowitz and Langer, 1987; Mathiowitz *et al,* 1987; Mathiowitz *et al,* 1988; Mathiowitz *et al,* 1990; Mathiowitz *el al,* 1992; and Benita *et al,* 1984. Solid nanoparticles or microparticles can be made using any method known in the art including, but not limited to, spray drying, nanoprecipitation, phase separation, single and double emulsion solvent evaporation, solvent extraction, and simple and complex coacervation. Preferred methods include spray drying and the double emulsion process. Solid agent-containing polymeric compositions can also be made using granulation, extrusion, and/or spheronization.

[00181) The conditions used in preparing the particles may be altered to yield particles of a desired size or property *{e.g.,* hydrophobicity, hydrophilicity, external morphology, "stickiness," shape, *etc.).* The method of preparing the particle and the conditions *(e.g.,* solvent, temperature, concentration, air flow rate, *etc.)* used may also depend on the agent being encapsulated and/or the composition of the polymer matrix. If the particles prepared by any of the above methods have a size range outside of the desired range, the particles can be sized, for example, using a sieve. . .

[00182] Solid nanoparticles or microparticles can be suspended or dispersed in a pharmaceutically acceptable fluid such as physiological saline and focally administered by injection or infusion *(e.g.,* using a pump) to the nervous system.

[00183] Solid polymer-agent compositions *(e.g.,* discs, wafers, tubes, sheets, rods, *etc.) can* be prepared using any of a variety of methods that are well known in the art. For example, in the case of polymers that have a melting point below the temperature at which the agent is to be delivered and/or at which the polymer degrades or becomes undesirably reactive, a polymer can be melted, mixed with the agent to be delivered, and then solidified by cooling. A solid article can be prepared by solvent casting, in which the polymer is dissolved in a solvent, and the agent is dissolved or dispersed in the polymer solution. Following evaporation of the solvent, the substance is left in the polymeric matrix. This approach generally requires that the polymer is soluble in organic solvent(s) and that the agent is soluble or dispersible in the solvent. In still other methods, a powder of the polymer is mixed with the agent and then compressed to form an implant. Microparticles or nanoparticles comprising a polymeric matrix and a proteolysis-enhancing agent and optionally one or more other active agents can be compressed, optionally with the use of binders, to form an implant.

[00184] A polymeric matrix can be formed into various shapes such as wafers, tubes, discs, rods, sheets, *etc.*, which may have a range of different sizes and volumes. For example, prior to polymerization, a polymer solution may be poured into a mold having the appropriate shape and dimension. Following polymerization the material assumes the shape of the mold and is usable as an implant. The agent(s) may be present in the solution prior to polymerization, or the implant may be impregnated with the agent following its fabrication.

[00185] Suitable biocompatible polymers, a number of which are biodegradable include, for example, poly(lactides), poly(glycolides), poly(lactide-co-glycolides), poly(lactic acids), poly(glycolic acids), poly(lactic acid-co-glycolic acids), polycaprolactone, polycarbonates, polyesteramides, polyanhydrides, poly(amides), poly(amino acids), polyethylene glycol and derivatives thereof, polyorthoesters, polyacetals, polycyanoacrylates, polyetheresters, poly(dioxanones), poly(alkylene alkylates), copolymers of polyethylene glycol and

polyorthoesters, biodegradable polyurethanes. Other polymers include poly(ethers) such as poly(ethylene oxide), poly(ethylene glycol), and poly(tetramethylene oxide); vinyl polymers-poly(acrylates) and poly(methacrylates) such as methyl, ethyl, other alkyl, hydroxyethyl methacrylate, acrylic and methacrylic acids, and others such as poly(vinyl alcohol), poly(vinyl pyrolidone), and poly(vinyl acetate); poly(urethanes); cellulose and its derivatives such as alkyl, hydroxyalkyl, ethers, esters, nitrocellulose, and various cellulose acetates; poly(siloxanes), *etc.* Other polymeric materials include those based on naturally occurring materials such as polysaccharides *(e.g.,* alginate), chitosan, agarose, hyaluronic acid, gelatin, collagen, and/or other proteins, and mixtures and/or modified forms thereof. Chemical derivatives of any of the polymers disclosed herein *(e.g.,* substitutions, additions of chemical groups, for example, alkyl, alkylene, hydroxylations, oxidations, and other modifications routinely made by those skilled in the art) are encompassed. Furthermore, blends, graft polymers, and copolymers, including block copolymers of any of these polymers can be used. It will be appreciated that a vast number of different polymer variations are available. It will be understood that certain of these polymers require use of appropriate initiators or cross-linking agents in order to polymerize.

[00186] One of skill in the art will understand that in choosing an appropriate polymer and method of manufacture, it is important to select materials and methods that are compatible with stability of the agent. For example, it may be desirable to avoid processing temperatures that are likely to result in substantial degradation or denaturation of the agent, which may result in loss of bioactivity. It will also be desirable to test the composition so as to ensure that the agent is released in significant amounts over the desired period of time.

[00187] In general, the following criteria are important for selection of a material to be used for delivery of the active agent(s): (1) minimal or no cytotoxicity, (2) minimal or no elicitation of immune responses and inflammation, (3) compatibility with aqueous solutions and physiological conditions, and (4) compatibility of the material and its processing methods with the stability of the agent to be incorporated. It may be desirable to utilize a material with a controlled rate of biodegradation. Features such as cross-linking and monomer concentration may be selected to provide a desired rate of degradation and release of the agent. It will be appreciated that a polymeric drug delivery device of the invention may include one or more pharmaceutically acceptable materials such as buffers, spheronizing agents, fillers, surfactants, disintegrants, binders, or coatings. Exemplary materials are described in U.S. Patent 5,846,565.

[00188] Methods for purifying or synthesizing the various polymers for use in drug delivery systems of the invention are known in the art. Methods for incorporating therapeutically active agents into polymeric matrices are likewise known in the art. For example, the active agent can be combined in solution with the polymer prior to polymerization or can be provided in solid form and encapsulated as the polymer polymerizes. A number of different agents have been delivered to the CNS using such polymer matrices. For example, chemotherapeutic agents have been delivered to tumors in the nervous system by encapsulating the agent in a polymeric matrix, which is made into a shaped form, and surgically implanting the matrix into the brain (see, *e.g.,* U.S. Patents 5,626,862; 5,651,986; and 5,846,565). Additional drug delivery devices in which an active agents is provided in a polymeric matrix are described (see, *e.g.,* U.S. Patents 4,346,709 and 5,330,768; Wu, 1994; Dang, 1996; Fleming, 2002; and Westphal, 2002).

[00189] Similar methods to those used in the afore-mentioned references are of use to focally deliver the agents of the invention. In certain embodiments of the invention, the drug delivery device provides controlled or sustained release, *i.e.*, the proteolysis-enhancing agent and any other agents contained in the device are released over a prolonged period of time, *e.g.,* hours to days, weeks, or months.

[00190] Preparation of polymer-agent drug delivery devices can be performed using standard methods known in the art. Briefly, drug delivery devices are typically prepared in one of several ways. For example, the polymer can be melted, mixed with the substance to be delivered, and then solidified by cooling. Such melt fabrication processes generaly utilize polymers having a melting point that is below the temperature at which the substance to be delivered and the polymer itself degrade or become reactive. Alternatively or additionally, the device can be prepared by solvent casting, where the polymer is dissolved in a solvent, and the substance to be delivered dissolved or dispersed in the polymer solution. The solvent is then evaporated, leaving the substance in the polymeric matrix. Solvent casting typically utilizes a polymer that is soluble in organic solvents, and the drug to be encapsulated should be soluble or dispersible in the solvent. Similar devices can be made by phase separation or emulsification or even spray drying techniques. In still other methods, a powder of the polymer is mixed with the agent and then compressed to form an implant.

[00191] Methods of producing implants also include granulation, extrusion, and spheronization. A dry powder blend is produced including the desired excipients and microspheres. The dry powder is granulated with water or other non-solvents for microspheres such as oils and passed through an extruder forming "strings" or "fibers" of wet massed material as it passes through the extruder screen. The extrudate strings are placed in a spheronizer which forms spherical particles by breakage of the strings and repeated contact between the particles, the spheronizer walls and the rotating spheroniter base plate. The implants are dried and screened to remove aggregates and fines.

[00192] These methods can be used to make microimplants (microparticles, microspheres, and microcapsules encapsulating drug to be released), slabs or sheets, films, tubes, and other structures. A preferred form for infusion or injection is microimplants, as described elsewhere herein.

[00193] Proteins and peptides have been successfully incorporated into polymeric matrices. For example, insulin has been incorporated into biodegradable polymeric microcapsules and retains essentially the same bioactivity as the free form (Takenaga 2004). Natural and synthetic collagenous matrices have been used as carriers of a variety of different growth factors (Kanematsu, 2004).

[00194] Of particular interest in the present invention are polymers that form hydrogels, *i.e.,* gels that contain a substantial proportion of water. Hydrogels may, for example contain 30%, 40%, 50%, 60%, 70%, 80%, 90%, or an even greater amount of water on a w/w basis. Polymeric materials can be formed into hydrogels either prior to or following administration to a subject. An exemplary material comprises hPLA-b-PEG-PLA macromers. The agent is mixed with the polymer solution prior to initiating polymerization. Other suitable hydrogel-forming polymers are known in the art. For example, a variety of polysaccharides, polypeptides, and derivatives thereof can be used. Exemplary polysaccharides include alginate, collagen, cellulose, hyaluronic acid, dextran, chitosan, derivatives of any of the foregoing, *etc.* Other materials that form hydrogels include synthetic polymers such as polyethylene oxide-polypropylene glycol block copolymers such as Pluronics™ or Tetronics™, poly(vinyl alcohol), silicones, polypeptides such as gelatin, polyethylene glycol and related molecules, polyethylene oxide and related molecules or derivatives, *etc.* The hydrogel precursor materials may contain or be modified to contain functional groups that become crosslinked to one another. Optionally, photopolymerization is employed. In some embodiments, a drug delivery device comprising biodegradable macromers such as those described in U.S. Patent 6,153,21 1 is used.

[00195] In some embodiments of the invention, a plasticity-modifying agent, a proteolysis-enhancing agent, or both, is covalently attached to the polymer, optionally via a moiety that is cleavable *in vivo,* such as an ester linkage or disulfide bond.

[00196] The polymer-based drag delivery devices of the invention may be implanted at any desired location within the CNS. For example, and without limitation, the polymer-based drug delivery device can be implanted either in the brain *(e.g.*, close to a site of damage such as an ischemic region following stroke, or in the opposite brain hemisphere), or in the base of the brain, in or near a CSF-filled space such as ventricle, *etc.* In the case of a device implanted into a CSF-filled space, the device releases the agent into the CSF, allowing it to diffuse to a region of the brain surround the space. Depending on the size of the device, it can also be implanted at or adjacent to a nerve, nerve tract, ganglion, *etc.*, of the PNS. For example, microimplants can be implanted within or internal to the epineurium or perineurium of a nerve.

Implantable Microchip-Based Delivery

[00197] In certain embodiments of the invention, one or more agent(s) is delivered to the nervous system using an external or implantable silicon or polymeric microchip, which contains from dozens to up to hundreds or thousands of microreservoirs., each of which can be filled with any combination of drugs, reagents, or other chemicals. Micro-reservoirs can be opened at predetermined times and/or on demand using preprogrammed microprocessors, remote control, or biosensors. If desired, complex chemical release patterns can be achieved using these approaches. In some embodiments, micro-reservoirs have "caps" that degrade over time. Release can be controlled by varying the thickness and/or composition of the cap, thereby allowing release to occur at predictable and substantially predetermined times. The cap material can be, *e.g.*, a degradable polymer. In some embodiments, the cap material is non-degradable and is permeable to the molecules to be delivered. The physical properties of the material used, its degree of crosslinking, and its thickness will determine the time necessary for the molecules to diffuse through the cap material. If diffusion out of the release system is limiting, the cap material delays release. If diffusion through the cap material is limiting, the cap material determines the release rate of the molecules in addition to delaying release time.

[00198] In some embodiments, the agent(s) to be delivered are inserted into the reservoirs in their pure form, as a liquid solution or gel, or they may be encapsulated within or by a release material. The release material may be, for example, a biodegradable or non-biodegradable polymer. Representative polymers include those mentioned above (see, *e.g.*, Santini *et al*, 2000; U.S. Patents 5,797,898 and 6,808,522; and U.S. Patent Publications

2002/0072784, 2004/016614O5 and 2005/0149000; for discussion of microchip-based delivery systems). Microchips can be implanted at any desired location in the CNS (as described above). Depending on the size of the device, it can also be implanted at or adjacent to a nerve, nerve tract, ganglion, *etc.*, of the PNS. For example, microchips can be implanted within or internal to the epineurium or perineurium of a nerve.

Methodsfor Focal Delivery

[00199] In certain embodiments of the invention, compositions comprising a plasticity-modifying agent and optionally a proteolysis enhancing agent are administered to a subject by focal delivery. Focal delivery may be accomplished in a number of different ways. Implantation of a polymer-based drug delivery device or microchip such as those described above at a site within the central nervous system or within or adjacent to a nerve, nerve tract, or ganglion within the peripheral nervous system is a suitable method to achieve focal delivery.

[00200] Internal (implantable) or external pumps can be employed for administering a substantially fluid composition of the invention. Such pumps typically include a drug reservoir from which continuous or intermittent release occurs into the target tissue or in the vicinity thereof via a catheter. In certain embodiments of the invention, treatment is carried out using an implantable pump and a catheter having a proximal end coupled to the pump and having a discharge portion for infusing therapeutic dosages of one or more agents described herein into a predetermined infusion site in brain tissue or into the spinal canal (intrathecal delivery).

[00201] Infusion (which term is used to refer to administration of a substantially fluid material to a location in the body by means other than injection) may be carried out in a continuous or nearly continuous manner, or may be intermittent. The pump may be programmed to release predetermined amounts of the agent at predetemined time intervals. U.S. Patent 4,692,147 (assigned to Medtronic, Inc., Minneapolis, MN) describes a suitable pump. In certain embodiments one or more of the infusion systems known as the Synchromed® Infusion System (manufactured by Medtronic, Inc., Minneapolis, MN; see web site having URL www.medtronic.com) is used. However, it will be appreciated that the pump may take the form of any device used for moving fluid from a reservoir. Mechanical, pressure-based, osmotic, or electrokinetic means may be used.

[00202] In order to deliver an agent to the brain parenchyma, a catheter attached to the pump may be implanted so that the discharge portion lies in the brain parenchyma (see, *e.g.,* U.S. Patent 6,263,237 for description of a variety of suitable systems and methods for implanting them into the body of a subject and directing the administration of an active agent to a desired location in the brain). Continuous ICM is a relatively new technique of regional delivery of therapeutic agents directly into brain parenchyma, which establishes a bulk flow current that has the potential to homogeneously distribute even large molecules (see, *e.g.,* Laske, 1997 for an example of administration of an agent to a region within the brain).

[00203] In certain embodiments of the invention, the agent is delivered to one or more of the CSF-containing cavities or chambers of the central nervous system, *e.g.,* the ventricles or cisterna magna, which is located at the bottom of the skull. As is well known in the art, there are two lateral ventricles and midline third and fourth ventricles within the brain. To deliver an agent to a ventricle or the cisterna magna using an infusion pump, the catheter may be implanted so that the discharge portion lies in the ventricle or the cisterna. The agent diffuses out of the ventricle or cisterna magna. Delivery to these locations therefore allows delivery of the agent to a relatively wide area of the brain rather than localizing it more closely to a specific site. Intraventricular or intracisternal administration is considered to be administration to the nervous system. In certain embodiments of the invention delivery to a CSF-containing space, *e.g.,* a ventricle, is accomplished by surgically implanting a catheter through the skull so that the tip has access to the space. The other end of the catheter is then connected to a reservoir *{e.g.,* an Ommaya reservoir), which is placed beneath the scalp *(i.e.,* subcutaneously). This method is in use for delivery of chemotherapeutic agents (see, *e.g.,* Ommaya and Punjab, 1963; Galicich and Guido, 1974; Machado, 1985; Obbens, 1985; and Al-Anazi, 2000).

[00204] If the subject suffers from damage to the spinal cord, the catheter is implanted so that the discharge portion lies in an intrathecal space of the spinal cord while the other end is connected to the pump reservoir. Methods for administering agents to the spinal fluid *(i.e.,* intrathecally) are well known in the art. Such methods are commonly used in the treatment of chronic pain, and are routinely used to deliver analgesic agents over a period of months. Similar methods are of use in the present invention (see, *e.g.,* Lamer, 1994; Paice, 1996; Winkemuller, 1996; Tutak, 1996; and Roberts, 2001 for descriptions of the use of implantable pumps for delivery of a variety of different therapeutic agents for treatment of a number of different conditions).

[00205] For delivery to the PNS, suitable methods include injection or infiltration into a nerve or nerve trunk, *e.g.*, adjacent to a site of nerve damage, and implantation of a polymer-based delivery device or microchip either adjacent to a site of nerve damage. Methods for administering anesthetic agents to diverse nerves, nerve bundles, *etc.*, within the PNS are well known in the art, and any of these methods are applicable in the context of the present invention.

[00206] In certain embodiments of the invention, a solution comprising a polymer, a plasticity-modifying agent, and optionally one or more additional active agents is administered by injection or infusion using any of the means described above. The polymer assembles to form a gel upon administration, *e.g.*, following contact with physiological fluids. Such assembly may, for example, be triggered by exposure to monovalent or divalent cations. For example, U.S. Publication 2002/0160471 describes self-assembling peptides that form hydrogels. U.S. Patent 6,129,761 describes a variety of different self-assembling polymers and polymers that require a polymerizing agent or cross-linking agent to faciliatate assembly. Certain of these polymers assemble to form hydrogel stuctures upon contact with physiological fluids following administration to a subject. In another embodiment a collagen-based system is used (see, *e.g.*, PCT Publication WO 00/47130, which describes injectable collagen-based systems for delivery of cells or therapeutic agents).

Delivery Location, Timing, Duration of Treatment, and Dose

[00207] The plasticity-modifying agent(s) can be administered using any route of administration, *e.g.*, oral, intravenous, intraperitoneal, intramuscular, intradermal, transdermal, subcutaneous, pulmonary (*e.g.*, by inhalation into the lungs), nasal, *etc.* The route and dose will be selected so as to achieve effective concentrations in the nervous system without undue side effects.

[00208] The location at which a composition of the invention is to be administered or implanted may be selected with relation to the particular condition being treated. For example, if the subject has suffered an injury or damage to the brain, *e.g.*, as a result of stroke, trauma, *etc.*, the composition may be delivered to the brain parenchyma or to one or more of the ventricles of the brain or to the cisterna magna. If the subject has suffered an injury or damage to the spinal cord, a composition of the invention may be delivered to the spinal cord, *e.g.*, by implanting or administering a composition within the spinal canal. If the plasticity-modifying agent or an inventive composition crosses the blood-brain barrier, it can

be delivered systemically, *e.g.,* by oral, intravenous, intraperitoneal, intramuscular, intradermal, transdermal, subcutaneous, pulmonary (e.g., by inhalation into the lungs), nasal, *etc.* administration.

[00209] The area to which the agent is to be administered may be, for example, an area that has been damaged *(e.g.,* an ischemic lesion) or an area adjacent to an area that has been damaged. The agent(s) may be administered to any region, nucleus, or functional area within the brain including, but not limited to, any of the major subdivisions of the brain (cortex, hippocampus, cerebellum, thalamus, midbrain, brain stem), which include motor cortex, sensory cortex including visual cortex, auditory cortex, and somatosensory cortex, language areas of cortex, frontal cortex, internal capsule, basal ganglia, thalamus, and/or other area noted above, *etc.* As noted above, numerous specific areas within the brain have been defined based on anatomical and histological considerations. In addition, areas in the brain that are responsible for performing various tasks have been defined on functional grounds and are well known in the art (see, *e.g.,* Kandel, *supra;* and Victor and Ropper, *supra).*

[00210] In certain embodiments of the invention, the area that has been damaged is identified. The area that has been damaged can be identified using a variety of different imaging techniques known in the art. For example, and without limitation, suitable methods include imaging techniques such as magnetic resonance imaging (MRI), optionally imaging features associated with blood flow such as perfusion, diffusion, or both, computed tomography (CT), positron emission tomography (PET), ultrasound, *etc.* Imaging techniques that image structure and/or function are available. Functional studies can be performed, *e.g.,* using labeled substrates such as glucose to identify regions of the brain that are metabolically inactive and/or that do not respond to stimulation, suggesting that they are functionally inactive (see, *e.g.,* Grossman and Yousem, *supra).*

[00211] Clinical diagnosis can be used instead of, or in addition to, imaging techniques. For example, the area to which damage has occurred can be identified by performing a neurological examination. Deficits noted on the neurological examination can be correlated with damage to particular areas of the central and/or peripheral nervous system (Kandel, *supra;* and Victor and Ropper, *supra).* In certain conditions, such as neuropsychiatric disorders of developmental or adult origin, a genetic test may be used in addition to a clinical diagnosis.

[00212] Any of the foregoing methods can be utilized acutely *(e.g.,* within hours to a few days of a damaging event such as stroke or injury) or at later times *(e.g.,* several days to weeks, months, or years following the event). The characteristic evolution of the appearance

of nervous system lesions is well known in the art, so the practitioner can readily identify the location of damaged tissue at any desired time point relative to the time at which the event causing the damage occurred.

[00213] In certain embodiments of the invention, the agent is delivered at or adjacent to a site where tissue necrosis and/or scar tissue formation has occurred in the CNS. Areas of necrosis can be identified using various imaging techniques such as those mentioned above. Symptoms may also be used to guide selection of an appropriate location at which to implant the matrix. For example, if a subject experiences impairment of a particular function such as movement, sensation, speech, *etc.*, then the portion of the brain that is normally responsible for control or achievement of that function, or the corresponding area on the contralateral side of the subject's body, may be selected as a suitable site for implantation of a drug delivery device of the invention. Standard surgical techniques can be used.

[00214] In some embodiments of the invention the agent is administered to an area adjacent to a region that has been damaged by an infarct, *e.g.*, to the peri-infarct area. Without wishing to be bound by any theory, peri-infarct regions are likely to be sites of clinically relevant cortical remodeling following stroke. For example, the agent may be administered to a site that is located up to approximately 0.5 cm from the edge of an infarcted area, up to 1.0 cm from the edge of an infarcted area, or up to 2 cm from the edge of an infarcted area. In some embodiments the agent is administered to a site immediately adjacent to an infarcted area, *e.g.*, up to 0.5 cm from the edge of the infarcted area. In some embodiments of the invention the agent is administered to the ischemic penumbra adjacent to an area of severe ischemia following stroke (see, *e.g.*, Furlan *et al*, 1996). The ischemic penumbra is a region of brain tissue that experiences mild to moderate ischemia but remains viable for a period of time following a stroke *(e.g.*, up to several hours or longer) and may be salvageable if perfusion is re-established and/or through the use of neuroprotective agents. The ischemic penumbra may be operationally defined using, *e.g.*, diffusion and perfusion MRI (Schlaug *et al*, 1999; and Kidwell *et al* 2003). One of ordinary skill in the art will be able to select an appropriate definition and measurement technique.

[00215] In some embodiments of the invention, the agent is administered to a location on the opposite side of the brain from the side where damage has occurred. The site of administration may be substantially symetrically located with respect to the region that has been damaged. Without wishing to be bound by any theory, it is possible that following damage to a particular region of the brain, the contralaterally located region reorganizes so as to assume responsibility for functions that were previously performed by the damaged region.

For example, a portion of the brain that normally *(e.g.* prior to injury) generates movement commands for the left hand only may reorganize so as to generate commands to both hands following damage to a portion of the brain that previously commanded the right hand.

[00216] As mentioned above, delivery by injection or infusion pump is suitable for compositions in which an agent of the invention is dissolved in a liquid and for compositions comprising microparticles of suitable dimensions. The polymer-based drug delivery devices of the invention will typically be implanted into the subject in an appropriate location in the nervous system so that they will release the active agent at a desired location. For example, they may be implanted into the brain parenchyma. They may also be implanted into a ventricle or into the spinal canal in various embodiments of the invention. The location for implantation is selected so as to achieve an effective concentration of the active agent at a desired location in the nervous system, *i.e.,* typically reasonably close to the location at which it is desired to achieve the effective concentration. Care is taken to avoid disrupting undamaged portions of the nervous system to the extent possible. Imaging may be used to guide administration or implantation of the compositions and drug delivery devices of the invention, *e.g.,* they may be administered or implanted under stereotactic guidance.

[00217] The agent(s) can be administered in a continuous or intermittent fashion. Intermittent or pulsatile delivery may be performed at times selected in accordance with the active half-life of the agent in order to maintain a therapeutically useful dose and/or may be performed in accordance with physiological patterns such as circadian rhythms, or during periods when the subject either is or is not engaged in particular activities. If the agent is administered using an implanted device such as a pump or microchip, an external controller may be used to trigger release at a desired time, or the device can be programmed to release the agent at particular times or intervals.

[00218] In some embodiments, compositions of the invention may be administered to a subject following an event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder for a finite period of time. For example, compositions of the invention may be administered to a subject for up to 1 week, up to 4 weeks, up to 2 months, up to 6 months, up to 12 months, up to 18 months, up to 2 years, up to 5 years, up to 10 years, up to 20 years, or even longer. In some embodiments, compositions of the invention may be administered to a subject following an event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder for the rest of the subject's life.

[00219J In some embodiments, compositions of the invention are not administered immediately after an event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder. To give but a few examples, administration may be initiated after certain other therapeutic strategies *(e.g.* behavioral therapies) have been performed; after the subject has reached a desired level of health; after the subject has reached a desired age; *etc.*. In some embodiments, compositions of the invention are administered at least 1 week, at least 4 weeks, at least 2 months, at least 6 months, at least 12 months, at least 18 months, at least 2 years, at least 5 years, at least 10 years, at least 20 years, or even longer, after an event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

[00220] In some embodiments, compositions of the invention may be administered for a period of time and may then be discontinued. For example, administration may be discontinued when the subject responds to the administration *{e.g.* if symptoms improve, if damage is reversed, if plasticity has been modified, if function has been restored to the nervous system, if neural development has been stimulated, *etc.).* To give another example, administration may be discontinued when the subject has reached at least one desired endpoint or treatment milestone. In some embodiments, compositions of the invention may be administered to a subject for up to 1 week, up to 4 weeks, up to 2 months, up to 6 months, up to 12 months, up to 18 months, up to 2 years, up to 5 years, up to 10 years, up to 20 years, or even longer, before being discontinued. In some embodiments, administration of compositions of the invention that has been discontinued may be resumed at any point in time after discontinuing the administration. To give but one hypothetical example, (i) a plasticity-modifying agent may be administered to a subject following diagnosis with a neurodevelopmental disorder; (ii) the subject's symptoms may disappear; (iii) administration of the plasticity-modifying agent may be discontinued; (iv) the symptoms may return; and (v) administration of the plasticity-modifying agent may be resumed. In some embodiments, administration may be discontinued for up to 4 weeks, up to 2 months, up to 6 months, up to 12 months, up to 18 months, up to 2 years, up to 5 years, up to 10 years, up to 20 years, or even longer, before administration is resumed.

[00221] In certain embodiments of the invention, the compositions of the invention are administered at times varying from immediately after to considerably after, *e.g.*, least 3 hours after, the onset or occurrence of a damaging event such as a stroke or injury. For example, the initial administration may be a few minutes to hours, *e.g.*, at least 6, 12, 24, 36, or 48 hours after the onset or occurrence of a damaging event. In certain embodiments of the

invention the initial administration is between 24 hours and 1 week after the onset or occurrence of a damaging event, between 1 week and 1 month after the onset or occurrence of a damaging event, or between 1 and 3 months, 3 and 6 months, 6 and 12 months after the onset or occurrence of a damaging event, *etc.* The initial administration may occur at times greater than 1 year following the onset or occurrence of a specific damaging event, *e.g.,* between 1-5 years, *etc.* In some embodiments of the invention the initial administration occurs after the subject has reached a plateau of functional recovery. For example, the subject may have failed to display improvement on one or more standardized tests, or may have failed to experience subjective improvement during the preceding 1-3 months, 3-6 months, or longer. For treatment of neuropsychiatric disorders, neurodegenerative diseases, nutrient deprivation, neoplastic diseases, and other conditions for which there is no specific identifiable damaging event, administration can occur at any time following diagnosis of the disease.

[00222] The total time period during which treatment occurs, and the number of treatments within such time period, can vary. The total duration of treatment *(i.e.,* the time interval between the first and the last treatment) can range from days to weeks, months, or years. For example, the total duration may be 1 day; 1 week; 4 weeks; 1, 3, 6, 9, or 12 months, between 1 and 2 years; 2 and 5 years; 2 and 10 years; 2 and 20 years; *etc.* If the agent is administered in discrete doses in addition to or instead of being administered continuously, subjects may receive anywhere from a single dose to dozens or even hundreds or thousands of doses. The time interval between doses can be varied. It may, for example, be desirable to administer the agent for a defined time period each day, *e.g.,* 10 minutes/day, 1 hr/day, *etc.*

[00223] The dose of the plasticity-modifying agent will be selected taking into account the particular agent, the condition being treated, the route of administration, and other relevant factors. The dose (or doses) may be, *e.g.,* an amount effective to promote growth or sprouting of axons, promote structural reorganization of synaptic connections, increase formation of new synaptic connections, increase dendritic spine motility, inhibit structural or functional degeneration *(e.g.,* degeneration that would otherwise be expected to take place) or any combination of the foregoing. The dose may range from about 0.001 to 100 mg/kg body weight, *e.g.* from about 0.01 to 25 mg/kg body weight. The dose may, for example, range between 1 μg/kg and 100 mg/kg, *e.g.,* between 10 μg/kg and 10 mg/kg. Exemplary doses range from 0.1 to 20 mg/kg body weight, *e.g.,* about 1 to 10 mg/kg.

[00224] The dose of the proteolysis-enhancing agent will be selected to enhance the effect of the plasticity-modifying agent. Typically the dose for each administration of the proteolysis-enhancing agent will be significantly lower than the dose that would be required to cause lysis of a significant blood clot when administered to the vascular system. Exemplary, non-limiting doses ranges for a proteolysis-enhancing agent, *e.g.,* tPA, include one or more of the following: (i) a dose sufficient to achieve a concentration of between 10 and 100,000 IU/ml or between 100 and 10,000 IU/ml or between 100 and 1,000 IU/ml in the extracellular fluid or in a CSF-containing cavity such as a ventricle or the spinal canal; a dose between 1 μg/day and 10 mg/day; a dose between 1 μg/day and 1 mg/day; a dose 5 μg/day and 500 μg/day; a dose between 10 μg/day and 100 μg/day, *etc.*

[00225] Various dosing regimens may be used. For example, it may be desirable to give a relatively large "loading dose" initially and then administer smaller doses either continuously or intermittently so as to maintain an effective concentration in the region of the nervous system being treated. It will also be appreciated that, in general, the more focally directed the delivery, the lesser the total dose that may be required. Thus direct administration via a catheter to a specific brain region may require a lower total dose than delivery to a ventricle. Furthemore, the larger the area of damage and/or the greater the amount of reorganization and/or recovery required, the larger might be the dose. .

[00226] If desired, the concentration of the plasticity-modifying agent (or any other agent whose administration is contemplated in the present invention) can be monitored, *e.g.,*. in the CSF of the subject. The dose can be adjusted accordingly to obtain a desired concentration.

[00227] In certain embodiments of the invention the agent(s) is/are administered, *e.g.,* released, in a defined temporal relation to rehabilitative therapy, *e.g.,* during, prior to, or following engagement of the subject in one or more rehabilitative activities. The agent(s) may, for example, be administered up to 5 minutes to 12 hours prior to the activity, up to 5 minutes to 12 hours after the activity, during the activity, or immediately prior to or immediately following the start of a therapy session, *e.g.,* up to 5 minutes prior to the beginning of a therapy session or up to 5 minutes following the start of a therapy session. By "therapy session" is meant any period of time in which the subject is engaged in performing activities that have been suggested or prescribed by a health care provider for purposes of assisting the functional recovery of the subject following damage to the CNS or PNS or for improving the functioning of a subject suffering from a neurodevelopmental disorder. The health care provider need not be present during the therapy session, *e.g.,* the subject may

perform the activities independently or with the assistance of personnel other than a health care provider.

Administration of Additional Active Agent(s), Cells, and Gene Therapy

[00228] In various embodiments of the invention, one or more additional active agents is administered to the subject in conjunction with administration of the plasticity-modifying agent and, optionally, the proteolysis-enhancing agent. The additional active agents may be administered concurrently or sequentially. The additional active agent may be delivered focally but may alternatively be administered systemically using any suitable route of administration *(e.g.,* oral, intravenous, intramuscular, subcutaneous, transdermal, pulmonary, nasal, *etc.).* The additional active agent may be delivered in the same solution or dosage form as the proteolysis-enhancing agent. The additional active agent may be incorporated into a polymeric matrix together with the proteolysis-enhancing agent and delivered via a polymer-based drug delivery device or delivered using a pump or any other delivery system disclosed herein.

[00229] In some embodiments of the invention an agent other than a proteolytic agent is administered, wherein the agent cleaves one or more components of the extracellular matrix at a bond other than a peptide bond. For example, the agent may cleave a polysaccharide portion of an ECM component such as a proteoglycan or glycosaminoglycan. Examples of suitable agents include chondroitinases (which cleave chondroitin sulfate and hyaluronic acid), hyaluronidases, heparinases (which cleave heparin), heparanase (which cleaves heparan sulfate), *etc.*

[00230] In certain embodiments of the invention, the additional active agent is a neural growth enhancing agent. A neural growth enhancing agent is any molecule or cell that promotes, enhances, increases, *etc.,* one or more aspects of the growth or regeneration of neural tissue. For example, the molecule or cell may promote axon growth. A neural growth enhancing agent, as used herein, can be a neurally active growth factor, neurotransmitter or neurotransmitter analog, neurally active metal, modulator of a synaptic signaling molecule, or cell. It will be understood that typically "cell," as used in this context, refers to multiple cells. The term "neurally active" means that the agent exerts a biological effect on neural tissue. For example, the agent may exert an effect that enhances structural and/or functional nervous system reorganization or recovery.

[00231] The invention therefore provides compositions comprising a plasticity-modifying agent, a neural growth enhancing agent, and, optionally a proteolysis-enhancing agent. The invention provides drug delivery devices comprising the composition. The drug delivery device can be, for example, any of the drug delivery devices described herein.

[00232] The invention further provides methods for promoting recovery or reorganization in the nervous system of a subject comprising the step of: administering a plasticity-modifying agent, a neural growth enhancing agent, and, optionally a proteolysis-enhancing agent to a subject in need of enhancement of recovery or reorganization of the nervous system. The subject is typically in need of recovery or reorganization of the nervous system as a result of ischemic, hemorrhagic, neoplastic, degenerative, traumatic, and/or neurodevelopmental damage to the nervous system. The invention provides methods of treating a subject in need of enhancement of recovery or reorganization in the nervous system comprising the step of: administering a plasticity-modifying agent, a neural growth enhancing agent, and, optionally a proteolysis-enhancing agent to the subject. The subject is typically in need of enhancement of recovery or reorganization of the nervous system as a result of ischemic, hemorrhagic, neoplastic, degenerative, traumatic, and/or neurodevelopmental damage to the nervous system. Any of the agents in the aforementioned methods can be administered focally to the central or peripheral nervous system either individually or in combination using any of the methods described herein. Either or both of the agents can be administered by any alternate route of administration. Certain features of this aspect of the invention, *e.g.*, dose ranges, adjunct therapy, *etc.*, can be similar to those described for other aspects of the invention.

[00233] Neurally active growth factors include, but are not limited to, nerve growth factor (NGF), brain-derived neurotrophic factor (BDNF), neurotrophin-1 (NT-3), neurotrophin-4/5 (NT-4/5), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), glial cell derived growth factor (GDNF), neurturin, artemin, persephin, acidic or basic fibroblast growth factor (aFGF, bFGF), osteogenic protein- 1 (OP-I), vascular endothelial growth factor (VEGF), erythropoietin (EPO), and granulocyte colony stimulating factor (G-CSF).

[00234] "Synaptic signaling molecules" refer to endogenous molecules that are activated downstream of calcium entry into cells through synaptic activation or following release of calcium from intracellular stores and that transduce electrical activity into structural changes in neurons. These include a variety of kinases such as calcium/calmodulin-dependent protein kinase II and IV, protein kinase C (PKC), protein kinase A (PKA), extracellular signal regulated kinase (ERK), cyclic AMP (cAMP) dependent kinase, along with molecules such

as cyclic AMP response element binding protein (CREB), activity regulated cytoskeletal associated protein (arc), troponin C-, and Rac and Rho pathways and their associated kinases. G protein coupled receptors transduce information from the extracellular space to intracellular signals (among other activities) and are also considered to be synaptic signaling molecules. Modulators *(i.e.,* agents that activate or inhibit) of a number of these signaling molecules are known in the art and are of use in the present invention. Molecules that can bind to G protein coupled receptors importantly include those that can activate or inhibit (a) PKA and cAMP; (b) cyclic GMP, and (c) PKC. Pathways downstream of GPCR activation importantly regulate CREB, BDNF, actin, reorganization of the dendritic and axonal cytoskeleton, *etc.* By way of example, activators of cAMP include Sp-cAMPS (Sigma), which may to be delivered into the brain at a typical dose of 0.02-0.5 μg/kg/day, and Rolipram® (Sigma), which can be given intramuscularly at a dose of 1-100 μg/kg/day (Ramos *et al.,* Neuron 2003). Rolipram is a phosphodiesterase inhibitor, which prevents breakdown of cAMP. Inhibition of cAMP can also, under certain conditions, have a stimulatory effect on synapses and is of use in certain embodiments of the invention. Inhibitors of cAMP include Rp-cAMPS (Sigma), which can be delivered into the brain at a typical dose of 0.02-0.5 μg/kg/day (Ramos *et al,* 2003).

[00235] An activator of cGMP is 8-Br-cGMP; an inhibitor is Rp-cGMPs. Both are typically delivered focally. Effective doses on neurite growth and dynamics in brain slices are about 10-100 μM (Nishiyama *et al,* 2003). Another inhibitor is ODQ; an effective dose for influencing axon growth is about 10 μM (Leamey *et al,* 2001). Activators of PKC include diacylglycerol and phosphatidylserine. An inhibitor is a drug called GF109203X (GFX). Effective doses in slices are approximately 10-100 μM (Nishiyama *et ah,* 2003).

[00236] It is noted that doses presented here should in no way be considered limiting. In general, the invention encompasses doses at least 10 to 100 fold lower than those described here, and doses up to the maximum tolerated dose of the agent, as consistent with sound medical judgment. Furthermore, dosage routes for specific agents are mentioned here by way of example and are not intended to be limiting. In general, any suitable route of administration can be used. In particular, any of these agents may be administered using the methods for focal administration described herein.

[00237] Neurally active small molecules include a number of the modulators and neurotransmitters described above as well as diverse compounds known in the art to influence nervous system function (see, *e.g., Goodman and Gilman, supra;* and Kandel, *supra).*

[00238] Neurotransmitters are naturally occurring compounds that generally fall into the categories of small molecules (e.g., catecholamines) and peptides. A neurotransmitter for use in the present invention can be excitatory or inhibitory. Exemplary neurotransmitters include, but are not limited to, acetylcholine, dopamine, serotonin, glycine, glutamate, epinephrine, norepinephrine, and gamma aminobutyric acid (GABA). A neurotransmitter analog as used herein is a compound other than a naturally occurring neurotransmitter that exerts an excitatory or inhibitory effect on a neurotransmiter receptor. The analog will typically bear a structural resemblance to a naturally occurring neurotransmitter and will compete with it for binding to its receptor.

[00239] Neurally active metals include magnesium and zinc. The magnesium and/or zinc can be provided in any suitable form. Typically the metal will be provided in the form of a salt that contains a metal cation and an anion that serves as a counterion. The counterion can be an organic or inorganic substance. For example, the counterion can be phosphate, carbonate, gluconate, citrate, sulfate, acetate, maltonate, oxalate, or any other pharmaceutically acceptable ion such as those mentioned below. In some embodiments the metal cation is provided as a chelate, in which the metal cation is complexed with an organic molecule such as a heterocyclic ring.

[00240] Gene therapy methods may be used to increase expression of genes that encode products, *e.g.,* plasticity-enhancing agents, proteolysis-enhancing agents, and/or agents that promote nervous system functional and/or structural reorganization and/or recovery. Gene therapy encompasses delivery of nucleic acids comprising templates for synthesis of a molecule of interest to a cell of interest. The nucleic acid (or a nucleic acid derived from the nucleic acid as, for example, by reverse transcription) may be incorporated into the genome of the cell or remain permanently in the cell as an episome. Gene therapy also encompasses delivery of nucleic acids that do not integrate or remain permanently in the cell to which they are delivered. Such approaches permit temporary or transient synthesis of a molecule of interest. Methods and materials for performing gene therapy are well known in the art and will not be extensively reviewed here (see, *e.g.,* Berry, 2001; Han, 2000; and Thomas and Klibanov, 2003).

[00241] Vectors and delivery vehicles *{e.g.,* polymeric matrices) that provide nucleic acids comprising templates for synthesis of polypeptides may be incorporated into a composition of the invention or administered separately. Typically, the nucleic acid includes a coding sequence for a gene to be expressed in a cell of interest and also includes appropriate expression signals, ***e.g.,*** promoters, terminators, *etc.,* to ensure proper expression.

[00242] In general, either viral or non-viral vectors may be used. For example, herpes virus, adenovirus, adeno-associated virus, retroviruses, or lentiviruses may be used. It may be desirable to avoid the use of intact viruses in delivering templates to cells. Thus it may be desirable to deliver DNA vectors or linear DNA molecules. These vectors may, but need not, include viral sequences such as long terminal repeats, *etc.* Any of a wide variety of agents useful for transfection may be used to enhance uptake of nucleic acids by cells. Vectors are taken up by cells in the nervous system, and the polypeptide of interest is expressed and, usually secreted.

[00243] In some embodiments of the invention, cells are administered to a subject. In some embodiments of the invention, cells serve as a source for a plasticity-enhancing agent. For example, the cells may secrete IGFl into the extracellular space. In certain embodiments of the invention, cells are genetically modified prior to their administration to increase their synthesis of a plasticity-enhancing agent. For example, cells may be stably transformed with a vector that comprises a template for transcription of an RNA that encodes the agent. Cells may be sequestered in a non-biodegradable reservoir or compartment that retains them at a particular location and prevents their integration with cells at the site of administration or their wider dispersal.

[00244] In some embodiments of the invention, cells are administered to a subject who may receive a composition comprising a plasticity-modifying agent and optionally a proteolysis-enhancing agent. In some embodiments cells contribute to structural and/or functional recovery of the nervous system. Cells can be neurons, glia, or non-neural cells. Suitable cells include, but are not limited to, Schwann cells and olfactory ensheathing glia (Bunge, 2003). Cells can be of a single cell type, or combinations of different cell types can be administered. Cells may replace or supplement neural tissue that has been irreversibly damaged and/or provide supportive functions. In some embodiments, neural stem cells are administered. Multipotent neural stem cells, capable of giving rise to both neurons and glia, line the cerebral ventricles of all adult animals, including humans. Distinct populations of nominally glial progenitor cells, which also have the capacity to generate several cell types, are dispersed throughout the subcortical white matter and cortex (Goldman 2005). In some embodiments, adult or embryonic stem cells are administered. Such cells can be derived from a location outside the nervous system, *e.g.,* the bone marrow, liver, umbilical cord, *etc.* Cells of any type can be used. Cells can be autologous or non-autologous. In certain embodiments, cells are from the same species as the subject.

[00245] In certain embodiments of the invention the cells are administered in a polymeric scaffold, made of certain of the materials such as those described above that provide a hospitable environment to maintain cell viability. The polymer material may be biodegradable. The matrix or scaffold may be formed prior to implantation into the nervous system of a subject or may form following administration, *e.g.,* upon contact with physiological fluids. Encapsulation of cells in a variety of different polymeric matrices or scaffolds is well known in the art (see, *e.g.,* U.S. Patents 6,129,761 and 6,858,229; U.S. Patent Publication 2002/0160471; and Teng, 2002).

[00246] In addition to or instead of the various active agents described above, which are selected primarily based on their useful properties for enhancing structural or functional recovery or reorganization in the nervous system, various other substances can be administered. Such substances include, but are not limited to, antibiotics or antifungal agents to treat or reduce the risk of infection, chemotherapeutic agents to treat tumors, *etc.*

[00247] It is to be understood that the invention explicitly includes compositions comprising each specific combination of any of the proteolysis-enhancing agents described herein, optionally in combination with any of the proteolysis-enhancing agents described herein and/or any of the the additional active agents described herein. Because it would not be practical to list each and every combination, only a few examples are provided here. For example, the invention includes a composition comprising IFNγ and tPA. The composition may further include a neurally active growth factor *(e.g.,* BDNF). The invention also includes a composition comprising tPA and a modulator of a synaptic signaling molecule *(e.g.,* tPA and Rolipram); a composition comprising tPA and a neurotransmitter *(e.g.,* tPA and serotonin); a composition comprising tPA and a neurally active metal *(e.g.,* tPA and magnesium); a composition comprising tPA and a neurally active small molecule; a composition comprising tPA and a cell *(e.g.* , tPA and a neural stem cell), *etc.* Similarly, the invention includes compositions comprising (i) plasmin and (ii) a neurally active growth factor, a synaptic signaling molecule, a neurotransmitter, a neurally active metal, and/or a cell. Compositions comprising 3, 4, 5, or more of the proteolysis-enhancing agents and/or additional agents are encompassed. The invention provides a polymer-based drug delivery device comprising any of these compositions and an implantable microchip comprising any of these compositions or designed to administer the agents individually.

[00248] The invention encompasses administration of one or more of any of the proteolysis-enhancing agents described herein in conjuction with one or more of any of the

additional agents described herein to a subject in need of reorganization and/or recovery of the nervous system. The subject has typically experienced ischemic, hemorrhagic, neoplastic, traumatic, degenerative, and/or neurodevelopmental damage to the central or peripheral nervous system. Agents can be administered together or separately. In some embodiments both the proteolysis-enhancing agent(s) and the additional agent(s) are administered focally. In some embodiments, the proteolysis-enhancing agent(s) are administered focally to the nervous system and the additonal agent(s) are administered by an alternate route *(e.g.,* intravenously or orally).

Therapeutic Applications and Adjunct Therapy

[00249] The compositions and methods of the invention are of use in treating subjects who have experienced events such as stroke or injury *(e.g.,* due to accident or surgery). The compositions and methods of the invention find use for treating subjects suffering from a variety of other diseases and conditions including, but not limited to, neurodegenerative diseases such as multiple sclerosis, amyotrophic lateral sclerosis, subacute sclerosing panencephalitis, Parkinson's disease, Huntington's disease, muscular dystrophy, and conditions caused by nutrient deprivation or toxins *(e.g.,* neurotoxins, drugs of abuse). Certain of the compositions and methods are of use for treating neurodevelopmental diseases such as autism or dyslexia, *i.e.,* diseases in which at least a portion of the nervous system fails to develop normal structure and/or function. Certain of the compositions and methods are of use for treating neuropsychiatric diseases such as schizophrenia and bipolar disorders, *i.e.,* diseases in which at least a portion of the nervous sytem fails to achieve its typical level of cognitive function. Certain of the compositions and methods are of use for providing cognitive enhancement and/or for treating cognitive decline, *e.g.,* "benign senescent forgetfulness," "age-associated memory impairment," "age-associated cognitive decline," *etc.* (Petersen 2001; Bums 2002). These terms are intended to reflect the extremes associated with normal aging rather than a precursor to pathologic forms of memory impairment. Thus these conditions are distinct from Alzheimer's disease. Certain of the compositions and methods are of use for treating Alzheimer's disease. In certain embodiments of the invention, the subject does not have, *e.g.,* has not been diagnosed with, Alzheimer's disease. In certain embodiments of the invention the subject is not suspected of having Alzheimer's disease. In certain embodiments of the invention the subject has not been identified as having an increased risk for developing Alzheimer's disease. Methods for treating or preventing

Alzheimer's disease, to the extent that any such methods are described and/or enabled in PCT Publication WO 01/58476 are explicitly excluded from certain embodiments of the instant invention.

[00250] Any of a wide variety of functional impairments may be treated using the compositions and methods of the invention. In some embodiments, compositions are used to promote restoration of respiratory function after spinal cord injury (SCI). For this purpose, compositions are typically administered to the spinal cord, *e.g.,* intrathecally. If desired, administration can be localized to the region of the spinal cord injury, *e.g.,* the cervical region of the spinal cord. Respiratory disorders are the leading cause of morbidity and mortality after SCI, affecting nearly half of all patients with a neurological deficit after SCI. Respiratory impairments resulting from cervical SCI, the most common clinical case, frequently render survivors chronically or permanently ventilator dependent, a sequelae which can dramatically compromise quality of life. There are no drug treatments for breathing disorders associated with SCI. Studies have established that the breathing system posseses a highly dynamic system of neuroplasticity which manifests both at the developmental stage as well as at the adulthood. Work in the laboratory of one of the inventors has demonstrated that even with nearly 50% phrenic respiratory motor region loss in the adult rat spinal cord, respiratory function can recover spontaneously in 5-6 weeks after a mid-cervical spinal cord injury. While the ultimate outcome from this neuroplasticity-mediated event is encouraging, the required lengthy period imposes serious life or death challenges to SCI patients. The present invention may significantly stimulate post-SCI respiratory neural circuit reorganization, and thus may quickly restore respiratory function after incomplete spinal cord transection, which is a frequent clinical occurrence.

[00251] Surgery for various conditions can sometimes result in damage to nerves. In some embodiments of the invention, the compositions and methods are used to regenerate, repair or otherwise restore function after nerves of the PNS supplying muscles, organs, or other parts of the body, or carrying information from a part of the body, have been necessarily or accidentally disconnected or damaged during surgery. In some embodiments, the present invention is used to regenerate, repair or prevent degeneration of nerves, *e.g.,* nerves supplied by the spinal cord to the muscles, organs, or other parts of the body, or that enter the spinal cord from sensory receptors from the body. Some embodiments include regeneration or repair of damaged or degenerated nerves in the CNS, for example the optic nerve or the auditory nerve, or prevention of degeneration of axon tracts or fiber bundles in the CNS due to diseases, disorders, and/or damage. These embodiments include, but are not limited to, the

regrowth, recovery, repair or prevention of degeneration of ascending or descending fiber tracts and connections in the spinal cord, and of fiber tracts and connections in other structural and functional subdivisions of the CNS. Some embodiments include rewiring or reorganizing brain pathways so as to elicit novel functions from existing brain regions. An example of this embodiment is enhancement of brain function, particularly when coupled with practice regimens that engage specific brain regions.

[00252] In certain embodiments of the invention, the subject to whom a composition of the invention is administered is engaged in a program of rehabilitative therapy or training. Such programs typically ensue after injury or stroke, but also include programs of remediation and training in a variety of disorders of developmental or adult onset. Such programs are commonly employed in disorders such as dyslexia, autism, Asperger's Syndrome, Pervasive Developmental Disorders - Not Otherwise Specified, Tourette's Syndrome, Personality Disorders, Schizophrenia and related disorders (see, *e.g.*, Diagnostic and Statistical Manual of Mental Disorders, 4th Ed., DSM-IV, American Psychiatric Association, 1994, *Diagnostic and Statistical Manual,* Am. Psychiatric Assoc, Washington, DC for discussion of these disorders). Numerous rehabilitation programs for victims of stroke, spinal cord injury, and/or other forms of nervous system damage are known to those skilled in the art, and the subject can be engaged in any such program (see, *e.g.,* Gillen and Burkhardt, *supra,* for a discussion of suitable programs for victims of stroke). Similar programs may be used for victims of other forms of damage to the brain (see, *e.g.,* Somers, *supra,* for a discussion of suitable programs for victims of spinal cord damage). Suitable programs for individuals suffering from damage to the PNS are also known in the art. A rehabilitation program is typically designed and recommended by a health care provider with knowledge in the area of rehabilitative therapy. Therapy sessions may involve the participation of a health care provider. However, the subject may also engage in sessions or tasks associated with the program without the assistance or supervision of the health care provider.

[00253] The subject can be engaged in the program in a defined temporal relation with respect to the administration of the agent. For example, the subject can be engaged in the program during a time period in which the agent is being administered and/or during which the agent is present *in* effective amounts in the nervous system. In some embodiments, a dose of the agent is administered within a defined time period prior to engagement of the subject in a particular rehabilitative session or task. For example, the agent may be administered and/or may be present in an effective amount at any time up to 24 hours, 48 hours, or up to 1 week prior to the time at which the subject will be engaged in the session or

task, or the agent may be administered and/or may be present in an effective amount at any time up to 24 hours, 48 hours, or up to 1 week following completion of the session or task. Typically the subject will be engaged in the program over a period of weeks, months, or years, *i.e.,* the subject will participate in multiple therapy sessions over a period of time. The subject's participation in such sessions can be coordinated with administration of the agent so as to achieve an optimal effect. The beneficial effects of rehabilitative therapy may at least in part be due to structural and/or functional reorganization that occurs as a result of such therapy. Without wishing to be bound by any theory, the inventors propose that the proteolysis-enhancing activities and/or synaptic plasticity activities of the agents disclosed herein may facilitate this process. Thus an at least additive and potentially synergistic effect may result.

[00254] The methods and compositions of the invention may be tested using any of a variety of animal models for injury to the nervous system. Models that may be used include, but are not limited to, rodent, rabbit, cat, dog, or primate models for thromboembolic stroke (Krueger and Busch, 2001; Gupta, 2004), models for spinal cord injury (Webb *et al,* 2004), *etc.* (see Examples 6 and 7 and references in Schmidt and Leach, 2003). The methods and compositions may also be tested in humans.

[00255] A variety of different methods, including standardized tests and scoring systems, are available for assessing recovery of motor, sensory, behavioral, and/or cognitive function in animals and humans. Any suitable method can be used. To give but one example, the American Spinal Injury Association score, which has become the principal instrument for measuring the recovery of sensory function in humans, could be used (see, *e.g.,* Martinez-Arizala A., 2004; Thomas and Noga, 2004; Kesslak JP and Keirstead HS, 2003; for examples of various scoring systems and methods).

[00256J Desirable dose ranges for use in humans may be established by testing the agent(s) in tissue culture systems and in animal models taking into account the efficacy of the agent(s) and also any observed toxicity.

Pharmaceutical Compositions

[00257] Suitable preparations, *e.g.,* substantially pure preparations of the proteolysis-enhancing agents, optionally together with one or more additional active agents, may be combined with pharmaceutically acceptable carriers, diluents, solvents, *etc.,* to produce an appropriate pharmaceutical composition. In general, methods and ingredients for producing

pharmaceutical compositions known to one of skill in the art are used. The desription herein is for exemplary purposes and is not intended to be limiting. It is to be understood that the pharmaceutical compositions of the invention, when administered to a subject, are typially administered for a time and in an amount sufficient to treat the disease or condition for whose treatment they are administered. Suitable modes of administration and formulations are described herein.

[00258] Further provided are pharmaceutically acceptable compositions comprising a pharmaceutically acceptable derivative *(e.g.,* a prodrug) of any of the agents of the invention, by which is meant any non-toxic salt, ester, salt of an ester or other derivative of an agent of this invention that, upon administration to a recipient, is capable of providing, either directly or indirectly, an agent of this invention or an active metabolite or residue thereof. As used herein, the term "active metabolite or residue thereof" means that a metabolite or residue thereof also possesses similar activity to the parent agent. For example, rather than administering an active polypeptide, a zymogen *(i.e.,* an inactive or less active enzyme pre¬cursor that requires a biochemical change, such as a hydrolysis reaction revealing the active site, for it to become an active enzyme) could be administered.

[00259] The term "pharmaceutically acceptable carrier, adjuvant, or vehicle" refers to a non-toxic carrier, adjuvant, or vehicle that does not destroy the pharmacological activity of the agent with which it is formulated. Furthermore, it is recognized that preparation methods for the pharmaceutical compositions are typically selected so as to not substantially reduce the activity of the agent with which they are formulated.

[0001] Pharmaceutically acceptable salts of certain of the agents of this invention include those derived from pharmaceutically acceptable inorganic and organic acids and bases. Examples of suitable acid salts include acetate, adipate, alginate, aspartate, benzoate, benzenesulfonate, bisulfate, butyrate, citrate, camphorate, camphorsulfonate, cyclopentanepropionate, digluconate, dodecylsulfate, ethanesulfonate, formate, fumarate, glucoheptanoate, glycerophosphate, glycolate, hemisulfate, heptanoate, hexanoate, hydrochloride, hydrobromide, hydroiodide, 2-hydroxyethanesulfonate, lactate, maleate, malonate, methanesulfonate, 2-naphthalenesulfonate, nicotinate, nitrate, oxalate, palmoate, pectinate, persulfate, 3-phenylpropionate, phosphate, picrate, pivalate, propionate, salicylate, succinate, sulfate, tartrate, thiocyanate, tosylate and undecanoate. Other acids, such as oxalic, while not in themselves pharmaceutically acceptable, may be employed in the preparation of salts useful as intermediates. Salts derived from appropriate bases include alkali metal *(e.g.,* sodium and potassium), alkaline earth metal *(e.g.,* magnesium), ammonium and N+(Cl-4 alkyl)4 salts. This invention also envisions the quaternization of any basic nitrogen-containing groups of the compounds disclosed herein. Water or oil-soluble or dispersible products may be obtained by such quaternization.

[00260] A pharmaceutical composition is formulated to be compatible with its intended route of administration. Pharmaceutical compositions suitable for injection or infusion typically include sterile aqueous solutions (where water soluble) or dispersions and sterile powders for the extemporaneous preparation of sterile injectable solutions or dispersion. Suitable carriers include physiological saline, bacteriostatic water, water for injection, dextrose solutions, phosphate buffered saline (PBS), or Ringer's solution. Antibacterial and/or antifungal agents; chelating agents, such as ethylenediaminetetraacetic acid; buffer,s such as acetates, citrates, or phosphates; and agents for the adjustment of tonicity, such as sodium chloride or dextrose, can be included. pH can be adjusted with acids or bases, such as hydrochloric acid or sodium hydroxide. It may be advantageous to formulate the compositions in dosage unit form for ease of administration and uniformity of dosage. Dosage unit form as used herein refers to physically discrete units suited as unitary dosages for the subject to be treated; each unit containing a predetermined quantity of active agent(s) calculated to produce the desired therapeutic effect in association with the required pharmaceutical carrier. The preparation can, for example, be enclosed in ampoules, disposable syringes or multiple dose vials made of glass or plastic.

[00261] Sterile injectable or infusable solutions can be prepared by incorporating the. active compound in the required amount in an appropriate solvent, optionally with one or a combination of ingredients enumerated above, followed by filtered sterilization. Typically solutions are free of endotoxin. Generally, dispersions are prepared by incorporating the active compound into a sterile vehicle which contains a basic dispersion medium and optionally other ingredients. In the case of sterile powders for the preparation of sterile solutions, the usual methods of preparation are vacuum drying and freeze-drying *(e.g.,* lyophilization) which yields a powder of the active ingredient plus any additional desired ingredient from a previously sterile-filtered solution thereof.

Examples

Example 1: Identification and Analysis of Genes that are Differentially Regulated Under Visual Deprivation Paradigms

Materials and Methods

RNA Preparation and Microarray Analysis

[00262] Studies were performed in mice (129/SvEv) at the peak of the critical period[28], postnatal day (P) 27. All animal protocols were approved by MIT's Committee on the Care and Use of Animals and followed NIH guidelines. For monocular deprivation (MD), animals were anesthetized with avertin (0.016 ml/g) and the eyelids of one eye sutured (at P11-12 for 15-16 days for microarray analyses). For dark-reared (DR) animals (aged P27-30), the procedure was the same described above, with the exception that the animals were anesthetized in darkness and not exposed to light until deeply anaesthetized; in these mice only the binocular response was evaluated and compared to that in control animals.

[00263] In a first set of experiments we extracted total RNA from V1 of normally reared P27 mice (control, n=3 samples), from V1 of P27 mice born and reared in darkness (DR, n=3 samples), and from V1 contralateral to the deprived eye of P27 mice in which monocular deprivation was started at P11-12, before eye-opening (MD, n=6 samples; three samples were done with deprivation of the right eye and 3 with deprivation of the left eye; these 6 samples were considered as a group because no significant differences were observed between right and left eye deprivation). For each sample, animals came from different litters and the tissue was derived from V1 of at least two 'different animals. hi both groups of animals, monocular and binocular portions were included for analysis.

[00264] Mice were anesthetized with Nembutal (100 mg/kg), decapitated and the skull opened. A micro blade was used to remove a small core of tissue from the visual cortex of the appropriate hemisphere. Total RNA was extracted and purified, according to the instructions in the "Eukaryotic Target Preparation" manual available on the Affymetrix website. Fragmented, biotinylated cRNA was hybridized to the Affymetrix mouse genome U74v2 GeneChip set, which contains oligonucleotides that correspond to a total of 36,902 probes targeting genes and expressed sequence tags (ESTs) (Affymetrix). Array processing (hybridization, washing, staining and scanning) was performed by the Biopolymer Laboratory at MIT following standard Affymetrix protocols. A global scaling algorithm was used to normalize the expression level data from all samples.

[00265] In additional experiments in which the effects of short-term (4 days from P23-27) MD were investigated, as well the effects of IGFl infusion concurrent with MD, a total of four experimental groups were analyzed: a new group of control animals (3 samples), the ipsilateral and the contralateral cortex of mice monocularly deprived for four days (3 samples

for the ipsilateral and 3 samples for the contralateral cortex), the contralateral cortex of mice that were monocularly deprived for four days and were injected IP daily with IGFl solution (3 samples). Tissue was removed and the RNA extracted as described above, and labeled RNA was hybridized to the Affymetrix mouse genome 430.2 chip, which contains oligonucleotides that correspond to a total of 42,000 probes targeting genes and ESTs.

Data Analysis

[00266] *Significance analysis ofmicroarrays*

[00267] A method for the Significance Analysis of Microarrays to assess changes in gene expression was used[31], and the method was implemented in MATLAB (The Mathworks, Natick, MA). The method allows the comparison of the expression level of each gene under two conditions *(e.g.,* MD vs. control; or DR vs. control). Under the null hypothesis that there are no changes in expression, the output is a probability of observing the given differences by chance (obtained by shuffling the data from the two conditions). Results of this analysis were compared against those obtained by setting a fixed threshold on the minimum intensity of each gene and a minimum ratio of expression between the two conditions. Correlations between replicates were calculated as correlation coefficients (c.c.) for all conditions: control (c.c.= 0.99 ± 0.002), MD 16 days (c.c.= 0.9 ± 0.05) , MD 4 days contralateral (cc.= 0.99 ± 0.001), MD 4 days ipsilateral (0.99 ± 0.005), MD 4 days contralateral plus IGFl (c.c= 0.99 ± 0.004).

[00268] *GO annotations*

[00269] For the first set of experiments, Gene Ontology (GO) annotations were retrieved for each of the genes (http://www.geneontology.org/). Mapping of each Affymetrix probe to gene names was done using the annotations from Affymetrix (http://www.affymetrix.com/). GO provides information about the molecular function of a given gene *(e.g.* nucleic acid binding, ion transporter activity, *etc.),* the biological processes in which is involved *(e.g.* cell growth, cell communication), and the cellular location *(e.g.* nucleus, cytoplasm, *etc.).* For each of these organizing principles, GO provides a list of different categories to which each gene may be assigned. FatiGO[32] was used to identify categories for biological functions that are over- or under-represented in the different protocols of visual input deprivation.

Semi-quantitative RT-PCR

[00270] RNA was extracted as described above and cDNA was obtained with the Superscript First-Strand Synthesis System for RT-PCR (Invitrogen). PCR was performed according to the Invitrogen instruction manual. For each sample, PCR was run for the selected molecules and for Glycerol Phosphate Dehydrogenase (GPDH) as a control. PCR products were stained with ethidium bromide and run on an agarose gel. The intensity of each band was evaluated with ImageJ software (http://rsb.info.nih.gov/ij/) and normalized by the level of GPDH expression.

Results

[00271] DNA microarrays were used to examine large scale changes in gene expression in the V1 region of the cortex following dark-rearing (DR) and monocular deprivation (MD), using quantitative analyses of single genes as well as computational analyses of gene network activation (Fig. IA). Mice used for microarray analyses of long-term visual deprivation were: (a) DR animals reared in complete darkness from birth till P27, the peak of the critical period for ocular dominance plasticity in mice[28], (b) MD animals which had one eyelid sutured from before eye-opening (at P1 1-12) through P27, and (c) P27 control animals, reared in standard conditions (Fig. IA). The time course of the deprivation protocols was chosen to ensure as comparable periods of deprivation as possible in the DR and MD conditions —that is, starting at birth and continuing till P27. V1 was identified by stereotaxic coordinates and its location confirmed with both optical imaging of intrinsic signals[29] and by retrograde labeling of cells in the lateral geniculate nucleus (LGN) from injections of Alexa-CTB made in cortex[30]. RNA was extracted from V1 and hybridized to microarrays (Affymetrix). First, the expression level of gene transcripts was compared between control and deprived animals using a procedure for the Significance Analysis of Microarrays[31] (Fig. IB, C). Two lists of genes were obtained for each deprivation protocol: those that were up-regulated in the deprived conditions versus control (1930 genes: 1730 genes up-regulated after DR and 200 genes up-regulated after MD), and those which were down-regulated in the deprived conditions versus control (1381 genes: 950 genes down-regulated after DR and 431 genes down-regulated after MD; Fig. ID). The complete list of significantly (P<0.01) up- and down-regulated genes is reported in tables for each experiment at (http://ramonycajal.mit.edu/kreiman/resources/vlplasticity/) and in Tables 4-9 herein (presented in the Appendix).

[00272] The Gene Ontology *(GO)* database[32,33] was used to group differentially expressed genes according to the biological processes in which they are involved. Of the 331 1 differentially expressed genes in visually deprived groups, 1227 have known functions and have been reported in GO categories (level 3) for general biological processes. This analysis showed that some biological processes are common to both deprivation conditions, whereas others are differentially, or even exclusively, represented in one condition or the other.

[00273] For instance, genes implicated in "metabolism" and "cell communication" were upregulated in both conditions, with a stronger representation in DR cortex. At the same time, genes implicated in "cell motility" and "cell growth and maintenance" were primarily upregulated after DR. On the other hand, genes comprising "cellular physiological processes" and "organismal physiological processes" were primarily upregulated after MD. This overview suggested that while some similar mechanisms underlie the two forms of deprivation, distinct cellular processes may also be implicated in the two conditions.

[00274] To analyze the distinction further, a more detailed examination of genes encoding glutamatergic and GABA receptors was performed, including subunits of NMDA, AMPA and metabotropic glutamate receptors and subunits of GABA-A and GABA-B receptors. Table 1 shows changes in the expression of different subunits of GABA and glutamate receptors in MD and DR. "+" indicates a significant (two tailed t test $P<0.05$) increase in the mRNA level in the deprived condition relative to control; "=" indicates no significant change. No gene was downregulated after deprivation relative to control.

Receptor	MD	DR
GluR1	=	+
GluR2	+	+
GluR3	+	+
NMDA1	=	+
NMDA2A	=	+
NMDA2B	=	+
NMDA2C	=	=
NMDA2D	=	=
mGluR3	=	=
mGluR5	=	=
mGluR8	=	=
GABAAα1	=	+
GABAAα2	+	+
GABAAα3	+	+
GABAAα4	=	+
GABAAα6	+	=
GABAAβ1	+	+
GABAAβ2	=	+
GABAAβ3	+	+
GABAAγ1	=	=
GABAAγ2	=	+
GABAAγ3	=	=
GABAAδ	=	=
GABAAε	=	=
GABAB1	=	=
GABACρ1	=	=
GABACρ2	=	=

[00275] This comparison of the main forms of excitatory and inhibitory transmission in the cortex showed that a substantial set of excitatory and inhibitory receptor genes was upregulated after DR. MD also upregulated both sets, but a smaller subset than DR (Fig. 2A). None of these receptor genes was downregulated after either form of deprivation. Thus, expression of both excitatory and inhibitory receptor genes is broadly upregulated in response to visual deprivation, but the response is stronger in the case of DR_3 where there is complete absence of light, than in the case of MD, where there is still visual stimulation through the closed eyelid though not in patterned form[34].

[00276] Several studies have reported that DR induces a delay in the maturation of inhibition[11,35,36]. No change in GAD65 expression was observed after DR or MD_5 but an

increase in GAD67 expression was observed after DR (Fig. 2B). More generally, a reduction was observed in expression of only one gene associated with cortical inhibitory neurons: all the probes associated with parvalbumin were downregulated after DR, whereas probes associated with other markers of inhibitory neurons[37,38], including calbindin, somatostatin, calretinin, cholecystokinin and neuropeptide Y, were either upregulated or did not change after DR (Fig. 2B). There was no change in any of these markers after MD (see also below, and Fig. 9). Thus, the functional reduction of inhibition and of inhibitory neurons after DR[36] is possibly mediated specifically by a reduction in the number of neurons expressing parvalbumin.

[00277] Next, the microarray expression levels of a subset of genes (Fig. 3A) were compared to an independent measure of gene expression using semi-quantitative RT-PCR performed on independent samples from those used for microarrays. The genes selected were significantly up-regulated (two-tailed t test $P<0.05$) in DR or MD cortex versus control, with at least a 1.5-fold greater expression after one or other form of deprivation. Furthermore, selected genes were in the top 5% in a list of probes rank-ordered by change in expression after DR or MD, based on calculation of the signal to noise ratio of each gene (from the mean microarray expression levels and standard deviations in deprived and control conditions). Analysis of representative genes that were upregulated after DR alone, after MD alone, or after both, is shown in Fig 3B,C. Genes upregulated after DR (but not MD) in the microarray data included molecules associated with synaptic structure and function, such as those involved in synapse formation (Neurexinl and Synapsin 2), synaptic transmission mechanisms such as exocytosis (Synaptotagmin 1), neurotransmitter receptors (GIuRl), and calcium-activated signaling (CaMKIIa and CREB). Changes observed with RT-PCR were consistent with the observations from the microarray data. That is, an increase in the expression of these molecules in the DR cortex was observed, and there was a greater increase in the DR condition compared to MD for each of them.

[00278] Fewer genes were up-regulated after MD (but not DR) compared to control, and they included molecules that are usually implicated in cellular pathology, including carcinogenesis (the DEAD-box RNA helicase DDX6[39]) and degeneration (Signal Transducers and Activators of Transcription 1, STATl —see below), or are activated by seizure (CaMKIIδ[40]). These genes also showed greater expression in the RT-PCR analysis. Finally, genes that were upregulated after both DR and MD included molecules associated with synaptic activity (GluR3 and GABA-Acc2), as well as molecules associated with neuronal growth and reorganization of connections (Insulin-like Growth Factor Binding

Protein 5, IGFBP5 - see below), and aspects of brain development (Nuclear Factor IB, NfiB[41-43]). In all of these instances, relative expression levels measured with RT-PCR were consistent with the microarray expression levels. Overall, these data suggest increased activation of a wide range of synaptic and neuronal mechanisms in V1 of DR animals, and to a lesser extent in MD animals, compared to control animals. Conversely, they suggest an increased activation of neuronal growth and degeneration mechanisms in MD animals, and to a lesser extent in DR animals, compared to control animals.

[00279] While the effects of MD are pronounced in the long term, they are also significant in the short term[14-17]. To examine similarities and differences with the long (16 day) period of MD, a microarray analysis of a short (4 day) period of MD, from P23-27, was performed. Short-term MD led to changes in the expression of many more genes than long-term MD. About 50% of the genes that were up- or down-regulated after long-term MD were also altered in expression after short-term MD; the upregulated genes included DDX6, IGFBP5 and NFiB. Genes upregulated by long-term MD but not short-term MD included STATl and CaMKIIδ. While some genes associated with synaptic transmission (such as GIuRl, GluR3 and GABA-Aα2) did not change after short-term MD, more transmission-related genes (such as Synapsin 2 and Synaptotagmin 1) were up- or down-regulated after short-term compared to long-term MD.

Example 2: Identification of Gene Sets and Pathways Enriched In Genes that are Differentially Regulated in Visual Deprivation Paradigms

Materials and Methods

[00280] *Gene* Set Enrichment Analysis (GSEA) considers even small variations in all the mRNA probes of a group of genes, thereby assessing the enrichment of the whole gene set, and is relevant for detecting modest but coordinated changes in the expression of groups of functionally related genes. Such an analysis has particular value when an increase in the activity of several genes in a set could be more important than the strong activation of a single gene in a molecular cascade. Furthermore, the genes in the set typically share some functional or structural properties. Different gene sets have different sizes (for example, the gene set "Channel-passive-transporter" has 238 probes, while the "IGFl pathway" has 46 probes), and all the probes corresponding to a single gene are reported in each gene set. A

recent description of the method[84] was followed here; a more detailed description has now appeared[85].

[00281] Let $_S\mu_i$ denote the mean expression level across samples of probe i ($i=1,\ldots,N$ where N is the total number of probes) in condition S (where S = DR, MD or $control$) and let $_S\sigma_i$ denote the standard deviation across samples. For a given probe i, the signal to noise ratio (SNR) of the deprivation condition is defined with respect to the control. For example, for dark rearing, the SNR was defined as $_{DR}SNR_i = \frac{_{DR}\mu_i - {}_{control}\mu_i}{_{DR}\sigma_i - {}_{control}\sigma_i}$. Probes were ranked according to the SNR value yielding an ordered list $L=\{g_1, \ldots, g_N\}$.

[00282] Given a set G containing N_G probes it can be assessed whether *the set of probes* is significantly over- or under- represented in one of the deprivation conditions with respect to the control condition (irrespective of whether the expression of the individual probes changed significantly or not). A representative example illustrating the algorithm is shown in Figure 4A. The following two cumulative distribution functions are defined: $P_{hit}(i)$=proportion of genes in the set G that show a rank less than i ($P_{hit}(i) = \frac{\#[g_{(j\le i)} \in G]}{N_G}$) and $P_{miss}(i)$ = proportion of genes *outside* the set G that show a rank less than i ($P_{miss}(i) = \frac{\#[g_{(j\le i)} \notin G]}{N - N_G}$). The running enrichment score is defined as $RES(i)=P_{hit}(i)-P_{miss}(i)$ (Figure 4A, top) and is derived from the position or rank of the genes in the set (Figure 4A, bottom). The enrichment score ES is the maximum deviation from 0 of $RES(i)$. If the genes in the set are highly enriched in the deprivation condition and appear first in the ordered list L, then P_{hit} will grow faster with i than P_{miss} for initial values of i and this will lead to a high positive ES value. Conversely, if the genes in the set are under-expressed in the deprivation condition and do not appear at the beginning of the list L, then P_{miss} will grow faster with i than P_{hit} and this will lead to a high negative ES score. If the genes in the set are randomly distributed, then the ES will show a value close to 0. The statistical significance of a particular value of ES is assessed by comparing it with the null distribution obtained by randomly shuffling the condition labels (deprivation and control) for each probe (using 1,000 permutations).

[00283] The procedure just described was repeated for each gene set, obtaining an enrichment score and an enrichment probability value for each set. It is possible to define a set of genes based on several different criteria. Here, sets of genes defined by common functional or structural properties in 3 specific biological databases were studied: BioCarta

(http://www.biocarta.com/), GenMapp (http://www.genmapp.org/), and GO (http://www.geneontology.org/). .When a large number of gene sets is considered as in the present case, care should be taken because of the multiple comparisons involved and therefore the increased likelihood that one comparison will yield a significant result by chance. The multiple comparisons question was addressed here by controlling the Family Wise Error Rate[6]. To compare enrichment scores across gene sets, the enrichment scores are normalized by centering and scaling the ES using the mean and variance of each data, gene set pair. Throughout the text and in Tables 4 and 5, the normalized enrichment scores (NES) is shown for the gene sets enriched in dark rearing or monocular deprivation relative to control, or vice versa.

Results

[00284] Apart from the expression of individual genes, sets of genes that are linked together in specific functional pathways may be differentially expressed in DR and long-term MD and thereby lead to different cellular and molecular responses following the two forms of deprivation. To examine this possibility, a computational tool was used —Gene Set Enrichment Analysis (GSEA) - thaticonsiders the activation of sets of genes (such as cellular pathways, co-expressed genes, or genes in the same genomic locus) rather than the expression of a single transcript[44,45]. Thus, the extent to which a set of genes or a pathway is enriched in the deprivation paradigms was able to be measured with respect to control (or vice versa). 1374 pathways and gene sets taken from the following databases were considered: BioCarta, GenMapp, and GO. An example of the computation of the running and normalized enrichment score (NES) is shown in Fig. 4A for the ADP Ribosylation Factor (ARF) Pathway. The expression levels for the 19 probes in this pathway are shown in Fig. 4B. Qualitatively, Fig 4B shows that most of these probes were more highly expressed after MD than in control. Quantitatively, Fig. 4A shows that many of these probes were highly ranked in the rank-ordered set of MD probes, leading to a high running enrichment score for the ARF pathway. The gene sets with the highest scores in the deprived conditions versus control are listed in Table 2, which is a representation of the top Gene Sets enriched in DR (left column) and MD (right column) versus control. The Gene Sets are ranked according to their Normalized Enrichment Score. Gene Sets that are enriched in both conditions are shown with light shading. A star indicates that at least one probe of the correspondent Gene Set has been confirmed with RT-PCR. The gene sets with the highest scores in the control

versus deprived conditions *(i.e.,* are downregulated after deprivation) are listed in Table 3. The Gene Sets are ranked according to their Normalized Enrichment Score.

Table 3

	C>DR	NES	C>MD	NES
1	Neuropeptide_hormone	-17.0	20S_core_proteasome_complex	-5.3
2	Gas_exchange	-14.3	Ribosome	-4.6
3	Scavenger_receptor	-13.1	Circulation	-4.0
4	Serine_type_endopeptidase	-12.8	NADH_dehydrogenase	-4.0
5	Enzyme_binding_activity	-12.6	NADH_dehydrogenase_ubiquinone_activity	-3.8
6	Spliceosomal_subunit	-10.1	Endopeptidase_activity	-3.6
7	chr4q21	-9.1	Structural_constituent_of_ribosome	-3.2

[00285] These pathways were all significantly enriched (permutation test, $P<0.0001$) within the data set, based on a statistical comparison of enrichment scores obtained with 1000 randomly permutated gene sets. The GSEA method revealed quantitatively that different gene sets were preferentially activated after DR and MD. For example, the top enriched gene sets after DR included those involved in cellular activity, encompassing both metabolism related pathways (such as "metabolism" and "growth hormone pathway"), and synaptic activity related networks (such as "channel passive transporter," "vesicle-coat-protein," and "secretory vesicles"). After MD, however, the majority of the top enriched gene sets corresponded to pathways activated by growth factors ("epidermal growth factor," "insulin-like growth factor 1," and "platelet derived growth factor") and neuronal remodeling and degeneration ("nuclear factor of activated T cells," "JAK-STAT cascade," and "embryogenesis and morphogenesis"). Several gene sets were enriched in both conditions but were ranked in a different order confirming that common processes are also shared between the two conditions.

Table 2

	DR>C		NES	MD>C		NES
1	Channel_passive_transporter	★	27.3	egfPathway	★	16.4
2	Metabolism		25.6	igf1Pathway	★	9.7
3	mapkPathway	★	22.6	EGF_receptor_signaling_pathway		9.5
4	Vesicle_coat_protein		21.6	pdgfPathway	★	8.7
5	chr14q31		21.0	Embryogenesis_and_morphogenesis		8.0
6	ghPathway		20.0	Helicase_activity	★	7.9
7	chr8p12		18.8	tpoPathway	★	7.6
8	Secretory_vesicles	★	18.6	nfatPathway	★	7.5
9	chr20p12		17.8	Monocyte_AD_pathway		7.0
10	Apoptosis_regulator_activity		17.6	arfPathway		6.8
11	Protein_amino_acid_phosphorylation		17.4	JAK_STAT_cascade	★	6.7
12	chr4q12		17.3	Differentiation_in_PC12	★	6.6
13	rarrxrPathway		17.1	Channel_passive_transporter	★	6.4
14	ATPase_activity		17.0	tcrPathway	★	6.2
15	chr5q33	★	16.8	Transmembrane_RPTP		6.0
16	insulinPathway		16.8	ghPathway	★	5.8
17	Neurotransmitter_secretion	★	16.6	Inositolphosphatidylinositol_kinase_activity		5.6
18	edg1Pathway		16.6	keratinocytePathway		5.6
19	egfPathway		16.5	at1rPathway	★	5.6
20	RAS_protein_signal_transduction		16.5	gleevecPathway	★	5.6
21	Telomerase_dependent_telomere_maintenance		16.4	ngfPathway		5.5
22	Endoplasmic_reticulum	★	16.0	il2rbPathway		5.5
23	par1Pathway		15.6	Cancer_related_testis	★	5.5
24	ngfPathway		15.4	Adrenergic		5.4
25	at1rPathway	★	15.3	il7Pathway		5.3
26	Cancer_related_testis		15.3	il2Pathway	★	5.3
27	erk5Pathway	★	15.2	Dag1		5.3
28	JNK_MAPK_pathway		15.1	G_alpha_5_pathway	★	5.2
29	chr15q22		15.0	PTEN_pathway		5.2
30	Ngvm_c8		15.0	cblPathway		5.1
31	arenrf2Pathway	★	14.9	B_cell_receptor_complexes		5.0
32	Microtubule_binding_activity		14.9	p53_signalling		5.0
33	arfPathway		14.7	arenrf2Pathway	★	4.9
34	Potassium_ion_transport	★	14.5	chr20p12		4.8
35	mtorPathway		14.4	pitx2Pathway		4.8
36	crebPathway	★	14.3	igf1rPathway		4.8
37	gleevecPathway		14.3	hdacPathway	★	4.7
38	Protein_amino_acid_dephosphorylation		14.3	ccr5Pathway	★	4.7
39	myosinPathway		14.3	Insoluble_fraction		4.6
40	pdgfPathway		14.1	Granule_cell_survival	★	4.4
41	Ngvm_c32	★	14.0	35_cyclic_nucleotide_phosphodiesterase_activity		4.4
42	Microtubule_associated_complex		14.0	hivnefPathway		4.3
43	Neuronal_transmission	★	13.9	GPI_anchored_membrane_bound_receptor		4.2
44	erkPathway		13.6	Positive_regulation_of_transcription		4.2
45	CD40_pathway_map	★	13.6	tnfr1Pathway		4.2
46	Wnt_Signaling		13.6	Neuronal_transmission	★	4.2
47	Ion_transporter_activity		13.5	Transmembrane_RTK_signalling		4.1
48	Calmodulin_binding_activity	★	13.3	Synaptic_transmission	★	4.1
49	GPCR_pathway		13.1	spryPathway		4.1
50	chr2p22		13.1	Golgi		4.0

[00286] The genes previously identified with RT-PCR as highly expressed after DR or MD were also present in specific gene sets with high NES values (corresponding gene sets are marked), indicating that highly expressed genes together enrich specific pathways or networks of activation. The distribution of positive NES values for the DR versus control comparison is shown in Fig. 4C, which also shows the running enrichment scores for two pathways containing the molecules Creb and GIuRl, respectively. The NES distribution for the MD versus control comparison is shown in Fig. 4D, together with the running enrichment scores for two pathways containing the molecules STATl and IGFBP5/IGF1, respectively. Each of these genes appears early in the rank-ordered set of DR or MD genes *(i.e.*, is one of the top enriched genes in the set and contributes significantly to the running enrichment score shown in Fig. 4C, D). Indeed, individual pathways often contain a number of genes that are implicated in DR or MD. Conversely, individual genes are often included in multiple pathways enriched after DR or MD. Many genes are common between the two deprivation conditions, as expected, but several are different (cf. Fig. 3). Considering the 100 most enriched gene sets in deprivation conditions, 1928 probes are present in DR but not MD gene sets, 1590 probes are present in MD but not DR gene sets, and 2361 probes are present in both MD and DR gene sets.

Example 3; Expression of Selected Proteins Encoded by Differentially Expressed Genes

Materials and Methods

Immunohistochemistrv

[002S7] Mice were anesthetized and transcardially perfused with a solution of 4% paraformaldehyde. The appropriate brain hemispheres were removed and equilibrated in 30% sucrose in PBS. Coronal sections containing visual cortex were cut using a freezing microtome. Immunohistochemistry for GIuRl (1:500, Upstate), IGFBP5 (1:500, USBiological), CaMK2alpha (1:500, Sigma), PhosphoCREB (1:500, Cell Signaling), activated Statl(l:500, Abeam), parvalbumin (1:1000, Chemicon), calretinin (1:500, Chemicon), somatostatin (1:300, Chemicon), neuropeptideY (1:400, Chemicon), synapsin 1 (1: 500, Chemicon), IGFl (1:250, Chemicon), GAD 67 (1:400, Chemicon), IGFlR (1:500, Upstate), PI3K - catalytic subunit 110 (1:400, Upstate), phosphorylated-Akt (1:250, Cell Signaling), was carried out as described elsewhere[82'83]. For each staining, analysis was repeated in parallel for control and deprived animals. Experiments were carried out at least on two animals for each group and repeated twice. The intensity of staining in sections from control and deprived animals was evaluated with ImageJ software (http://rsb.info.nih.gov/ij/). Counts of parvalbumin, calretinin, somatostatin and NPY-positive cells were performed as described elsewhere[29].

Results

[00288] The results described thus far represent information at the mRNA level. Given that multiple control mechanisms can exert their actions after the transcriptional stage, analysis of protein expression is can be used to confirm the functional activation of a pathway beyond RNA analyses. To further examine the regulation of the genes described above and their associated pathways, the expression of their proteins was analyzed using immunohistochemistry.

[00289] First, markers were examined for selected classes of interneurons. Since all the microarray probes for parvalbumin were downregulated after DR (Fig. 2B) while other interneuron markers remained unchanged or increased, it was determined whether a similar pattern were reflected in the number of neurons that were immuno-positive for these markers. A significant decrease (by 40%, $p<0.01$) in the number of parvalbumin-positive neurons in DR relative to control animals (Fig. 5A) was observed, while calretinin-positive neurons remained unaltered and the number of neurons positive for somatostatin and neuropeptide Y increased ($P < 0.05$). For all the antibodies examined, there was no effect of MD on the number of stained neurons. Thus, the reported effect of DR as delaying inhibition is likely due to a delay in the development of neurons that express parvalbumin.

[00290] Following up the highly enriched gene sets after DR, the expression of GIuRl (Fig. 5B) phospho-CREB (Fig. 5C), and CaMKIIa were examined, present in the "CREB pathway" gene set. Each of these molecules was over-expressed in V1 of DR animals compared to control, consistent with previous reports of the involvement of CaMKIIa in DR[46], of GIuRl as a substrate for CaMKIIa expression[47], and of CREB-mediated gene expression as related to the maturation of the visual cortex[48]. Similarly, following MD, two novel proteins were examined, activated STATl and IGFBP5, which are constituents of highly enriched gene sets, though neither has been previously implicated in the cortical effects of MD or any form of visual deprivation. STAT proteins are phosphorylated by Janus Kinases (JAK); the JAK-STAT cascade is usually activated in response to cytokine signaling,

but is also upregulated in response to nerve injury and ischemia[49-51]. Immunostaining for the phosphorylated form of STATl, indicating activation of the JAK-STAT cascade, showed that the molecule was significantly upregulated in Vl after MD (Fig. 5D). IGFBP5 is widely expressed in the brain[52] and binds IGFl, a peptide that is genetically related to insulin[53,54,55]. IGFBP5 expression was significantly upregulated in Vl after long-term MD (Fig. 5E).

Example 4: Administration of IGFl Counteracts Effects of Monocular Deprivation

Materials and Methods

Monocular Deprivation

[00291] For monocular deprivation, animals were anesthetized with avertin (0.016 ml/g) and the eyelids of one eye were sutured (at P20-22 for 7 days for imaging experiments). Before imaging, the suture was removed and the deprived eye re-opened. Only animals in which the deprivation sutures were intact and the condition of the deprived eye appeared healthy were used for the imaging session. For DR animals (aged P27-30), the procedure was the same described above, with the exception that the animals were anesthetized in darkness and not exposed to light until deeply anaesthetized; in these mice only the binocular response was evaluated and compared to that in control animals.

Optical imaging of Vl

[00292] Mice (129/SvEv and C57B1/6) aged P26-30 were anesthetized with urethane (1.5 g/Kg) and chlorprothixene (0.2 mg), as described[84]. Skin was excised and the skull exposed over Vl. A custom-made attachment was used to fix the head and minimize movements. The cortex was covered with agarose solution (1.5 %) and a glass cover slip. During the imaging session the animal's body temperature was kept constant with a heating blanket and the EKG monitored constantly. Eyes were periodically treated with silicone oil and the animal allowed to breathe pure oxygen. Red light (630 nm) was used to illuminate the cortical surface, and the change of luminance was captured by a CCD camera (Cascade $512B_5$ Roper Scientific) during the presentation of visual stimuli (STIM, Optical Imaging). Custom software was developed to control the image acquisition and synchronization between the camera and stimuli. An elongated horizontal or vertical white bar (9° x 72°) over a uniformly gray background was drifted continuously through the up-down or peripheral-central dimension of the visual field. After moving to the last position, the bar would jump back to the initial position and start-another cycle of movement - thus, the chosen region of visual space (72° x 72°) was stimulated in periodic fashion (9 sec/cycle). Images of visual cortex were continuously captured at the rate of 15 frames/sec during each stimulus session of 25 minutes. Four sets of stimuli (upward, downward, leftward, rightward) were randomly presented to either eye monocularly or both eyes simultaneously.

[00293] A temporal high pass filter (135 frames) was employed to remove slow noise components, after which the temporal Fast Fourier Transform (FFT) component at the stimulus frequency (9 sec^{-1}) was calculated pixel by pixel from the whole set of images. No spatial averaging was done. The amplitude of the FFT component was used to measure the strength of visually driven response for each eye, and the ocular dominance index was derived from each eye's response (R) at each pixel as ODI = (Rcontra - Ripsi)/ (Rcontra + Ripsi). The binocular zone was defined as the region with equivalent driving from both eyes.

<u>IGFl Treatment</u>

[00294] For IGFl treatment, a solution containing GPE, the functional peptide of IGFl, was prepared as described[56]: 300 μg of GPE was injected intra-peritoneally daily for the entire period of deprivation. This peptide is referred to as "IGFl" in the Results below.

Results

[00295] IGFBP5 is one of the most upregulated genes after MD, with one of the highest mRNA expression levels after RT-PCR, and the highest differential level of protein expression after MD or DR. Furthermore, the IGFl pathway is one of the top enriched pathways after MD in the GSEA, and both IGFBP5 and IGFl are constituents of several highly enriched pathways after MD. The present invention encompasses the recognition that the upregulation of IGFBP5 following MD could imply a competitive role for IGFl in mediating ocular dominance plasticity after MD, and that exogenous application of IGFl could then prevent the effect of MD (see, for example, ref. 56). The possible functional involvement of the IGF1/IGFBP5 system in experience-dependent plasticity in visual or any cortex has not been examined to date. Thus, the physiological effects of IGFl administration on ocular dominance plasticity in V1 were determined *in vivo* (Fig. 6).

[00296] IGFl is able to cross the blood brain barrier[56], thus, intra-peritoπeal administration of IGFl prevents the effects of ischemia in the CNS[57]. Optical imaging of intrinsic signals was used to evaluate the strength of signals from each eye in the physiologically identified binocular portion of V1 (Fig. 6A). Imaging was performed on three age-matched groups of mice during the critical period: control animals (n=3), animals monocularly deprived for 7 days (n=4), and MD animals with IGFl delivered intraperitoneally during the period of deprivation (n=3). Fig. 6B shows the ocular dominance distribution of pixels within the binocular zone in individual control, MD and MD + IGFl animals. The pixel distribution in control mice favored the contralateral eye, as described previously with single unit recordings[28] and visual evoked potentials[58]. Suturing the contralateral eye caused the ocular dominance distribution to shift towards the open, ipsilateral, eye. Simultaneous administration of IGFl prevented the ocular dominance shift towards the open eye. A comparison of the mean ocular dominance index across the population of animals (Fig. 6C) showed that deprivation of the contralateral eye shifted the index significantly relative to control animals *(P<Q.Q5,* treating each animal as a single datum), whereas MD combined with administration of IGFl prevented the shift *(P>0.2).*

[00297] The mechanisms of IGF1/IGFBP5 action were investigated by asking if specific cell types and proteins were associated with the pathway. To clarify whether IGFBP5 is expressed in excitatory or inhibitory neurons, a double immunostaining for IGFBP5 and GAD67 was performed, and IGFBP5 was shown to be expressed in a range of neurons - not exclusively in inhibitory interneurons (Fig. 7A). Next the expression in V1 of several molecules involved in IGFl signaling[53,59] was assayed by immunostaining after MD alone and after MD with concurrent delivery of IGFl (Fig. 7B). IGFBP5 immunostaining showed a significant increase after short-term MD, and no change from normal levels in short-term MD animals that also received IGFl during the deprivation period (MD + IGFl). Expression of the IGFl receptor (IGFlR), on the other hand, was significantly down-regulated after MD, and expression was partially restored in MD+IGFl animals. Phosphatidylinositol 3-Kinase (PI3K), which is activated by IGFl, was significantly diminished in expression after MD but was fully restored after MD + IGFl treatment (^0.05 for both comparisons; Fig. 7B).

[00298] Expression of one of the substrates of PI3K, phosphorylated-Akt, was significantly reduced by MD and restored by addition of IGFl . Because IGFl and PI3K signaling have been related to neuronal transmission[60-62], changes in synaptic activity were screened for by immunostaining for synapsin 1. The level of synapsin expression did not change significantly in MD animals versus control, but MD + IGFl animals showed a

significant increase (*JP*< 0.05). Finally, a microarray analysis of MD + IGFl animals was performed for comparison with MD animals, to examine genes that might be differentially regulated by IGFl and hence be associated specifically with IGFl mechanisms. Expression of only a small fraction of genes was significantly altered in MD + IGFI animals compared to MD animals (see Tables 10 and 11). Adding IGFl significantly downregulated IGFBP5 and upregulated PI3K compared to MD alone (JP<0.01). Thus, PI3K appears to be an important signal downstream of IGFl in mediating ocular dominance plasticity.

Example 5: Release of a Plasticity~Modifying Agent from Hydrogel Discs

[00299] In order to demonstrate the release of a plasticity-modifying agent over time from a hydrogel matrix suitable for drug delivery, hydrogel discs containing various amounts of IGFl are fabricated and subjected to incubation in a PBS solution, during which release of IGFl is measured over time.

[00300] The hydrogel consists of a poly(ethylene glycol) (PEG) core with poly(lactic acid) (PLA) linkages {*i.e.*, it contains hPLA-b-PEG-PLA macromers) and has been previously described (Sawhney, *et al*, 1993; and Burdick, *et al.*, 2002). In order to fabricate discs, the hydrogel macromer is combined with IFNγ and the photoinitiator 2-hydroxy-l-[4-(hydroxyethoxy)phenyl]-2-methyl-l-propanone, (Ciba-Geigy) in a PBS solution. The solution (50 μl) is placed into a mold of the desired dimensions and then crosslinked under UV light for 10 minutes to cause polymerization, thereby resulting in discs of hydrogel with dimensions of approximately 5 mm by 1 mm.

[00301] The hydrogel discs are placed in 0.5 ml of PBS solution and release is monitored over 14 days using an ELISA kit according to the manufacturer's directions. Three hydrogel discs are tested for each of the conditions (2 different loading doses each for single-chain and two-chain tPA), and the amount of tPA released was averaged at each time point. Data are analyzed to determine the relationship between IGFl release and the amount of IGFl present in the disc. The relationship allows for the control of the amount of IGFl released by changing the amount of IGFl initially loaded into the gel. The total amount of IGFl released can be calculated from the concentrations and the fact that the discs are incubated in 0.5 ml PBS solution. This information can be used to determine the amount of IGFl and the amount of hydrogel needed to deliver a desired dose overtime.

Example 6: Effect of IGF1 on Recovery from Spinal Cord Injury

Materials and Methods

[00302] In a first set of experiments, 6 female Sprague-Dawley rats were anesthetized and spinal cord injury (SCI) was induced at T10 by using the New York University impactor with a 10 gm weight and a 12.5 mm weight drop. Behavioral tests were conducted on the first post-operative day and then weekly. The BBB (Basso, Beattie, Bresnahan) behavioral test was used to examine hind limb reflexes as well as coordinated use of the hind limbs (Basso *et al.*, 1995; and Basso, *et at*, 1996). This "BBB" scale has been adopted by the Multicenter Animal Spinal Cord Injury Study and by other workers in the field. Therefore, use of the BBB as an outcome measure after experimental SCI supports easier interlaboratory comparison of results.

[00303] A second operation is conducted three days post-operatively at T8-T9 for a bolus micro-injection of 10 μg of IGF1 or GPE and, in some experiments, also 10 μg of tPA (human two-chain tissue plasminogen activator; American Diagnostica, Inc.) reconstituted from lyophilized powder to 10 μg/10 μL) into three of the six rats. Following the bolus injection, an osmotic minipump (Alzet Model 2002: 14 day pump; Durect Corp., Cupertino, CA) loaded with IGF1 or GPE and, in some experiments, also tPA (200 μL total volume, delivering 0.5 μl/hour, 10 μg IGF1 or GPE, and, in some experiments, 10 μg tPA/day) is implanted at the side of injury and delivered tPA for 10 consecutive days. At the 6th post-operative week, BDA and Fluorogold injections are made in cortex to assess the extent of corticospinal tract regrowth and reconnection, and at the 10th post-operative week, animals are perfused and their spinal cords were removed for histological analysis. Implanted minipumps are saved for analysis of IFG1 activity (and in some experiments tPA activity) in the remaining solution.

[00304] A second set of experiments is performed on a larger group of animals using the same techniques as the first except that Alzet Model 1007B:7 day pumps holding a total volume of 90 μl, infusing 0.5 μl/hour are used, and delivery continues for 7 days rather than 10.

[00305] In a third set of experiments, GPE is administered intraperitoneally at a range of different doses (10 μg - 1 mg) daily.

[00306] In a fourth set of experiments, GPE is administered intraperitoneally at a range of different doses (10 μg - 1 mg) daily and a pump delivering tPA is implanted as described above.

[00307] In all experiments, the extent of corticospinal tract regrowth and reconnection is evaluated and histology is performed. Anatomical analysis with hematoxylin and eosin staining is performed to evaluate the contusion site. Sections are stained with solvent blue [SB] / hematoxylin and eosin as described in Teng and Wrathall, 1997. The integrity of the residual white matter is assessed. For example, high quality myelin stain in the spared white matter demonstrates existence of myelinated axons.

[00308] Functional parameters are assessed. Pre-operatively, animals performance on the BBB test is expected to have a baseline value of 21. On the first post-operative day, all animals are expected to be significantly impaired on the BBB test, and their scores reduced to 0. After 10 weeks of recovery, control animals typically achieve a final score of about 2.5 on the BBB test while treated animals are expected to achieve a higher score, *e.g.*, a final score close to 9, which is considered significant improvement.

*Example 7: Effect of IGFl with or **without tPA** in **an Animal** Model of Stroke*

[00309] Thirty rats are trained on a battery of behavioral tasks until they achieved an asymptotic level of competence. Rats then receive occlusion of the middle cerebral artery (MCAO) according to standard procedures. After recovery from surgery, the rats are significantly impaired on all of the behavioral tasks. At the time of MCAO surgery, 20 of the 30 rats are also implanted with an osmotic mini-pump (Alzet model 2001: 7 day pump with 90 μl total volume and 1.0 μl/hour infusion) for intraventricular infusion contralateral to the site of the MCAO. For 10 of the 20 rats, the mini-pumps are filled with IGFl at 10 μg/day. For the other 10 rats the mini-pumps are filled with IGFl at 10 μg/day and human two-chain tissue plasminogen activator (tPA; American Diagnostica, Inc.) at 10 μg/day. The other 10 rats receive daily intraperitoneal injections of GPE at a dose ranging from 10 μg to 10 mg, *e.g.*, 300 μg.

[00310] Treatment is initiated 2 days following MCAO and maintained for 7 days. Control and treated rats are subsequently tested weekly for behavioral recovery.

Equivalents and Scope

[00311] Those skilled in the art will recognize, or be able to ascertain using no more than routine experimentation, many equivalents to the specific embodiments of the invention, described herein. The scope of the present invention is not intended to be limited to the above Description, but rather is as set forth in the appended claims.

[00312] Those skilled in the art will recognize, or be able to ascertain using no more than routine experimentation, many equivalents to the specific embodiments of the invention described herein. The scope of the present invention is not intended to be limited to the above Description, but rather is as set forth in the appended claims.

[00313] In the claims articles such as "a," "an," and "the" may mean one or more than one unless indicated to the contrary or otherwise evident from the context. Thus, for example, reference to "a nanoparticle" includes a plurality of such nanoparticle, and reference to "the cell" includes reference to one or more cells known to those skilled in the art, and so forth. Claims or descriptions that include "or" between one or more members of a group are considered satisfied if one, more than one, or all of the group members are present in, employed in, or otherwise relevant to a given product or process unless indicated to the contrary or otherwise evident from the context. The invention includes embodiments in which exactly one member of the group is present in, employed in, or otherwise relevant to a given product or process. The invention includes embodiments in which more than one, or all of the group members are present in, employed in, or otherwise relevant to a given product or process. Furthermore, it is to be understood that the invention encompasses all variations, combinations, and permutations in which one or more limitations, elements, clauses, descriptive terms, *etc.*, from one or more of the listed claims is introduced into another claim. For example, any claim that is dependent on another claim can be modified to include one or more limitations found in any other claim that is dependent on the same base claim. Furthermore, where the claims recite a composition, it is to be understood that methods of using the composition for any of the purposes disclosed herein are included, and methods of making the composition according to any of the methods of making disclosed herein or other methods known in the art are included, unless otherwise indicated or unless it would be evident to one of ordinary skill in the art that a contradiction or inconsistency would arise.

[00314] Where elements are presented as lists, *e.g.*, in Markush group format, it is to be understood that each subgroup of the elements is also disclosed, and any element(s) can be removed from the group. It should it be understood that, in general, where the invention, or aspects of the invention, is/are referred to as comprising particular elements, features, *etc.*, certain embodiments of the invention or aspects of the invention consist, or consist essentially

of, such elements, features, *etc.* For purposes of simplicity those embodiments have not been specifically set forth *in haec verba* herein. It is noted that the term "comprising" is intended to be open and permits the inclusion of additional elements or steps.

[00315] Where ranges are given, endpoints are included. Furthermore, it is to be understood that unless otherwise indicated or otherwise evident from the context and understanding of one of ordinary skill in the art, values that are expressed as ranges can assume any specific value or subrange within the stated ranges in different embodiments of the invention, to the tenth of the unit of the lower limit of the range, unless the context clearly dictates otherwise.

[00316] In addition, it is to be understood that any particular embodiment of the present invention that falls within the prior art may be explicitly excluded from any one or more of the claims. Since such embodiments are deemed to be known to one of ordinary skill in the art, they may be excluded even if the exclusion is not set forth explicitly herein. Any particular embodiment of the compositions of the invention *(e.g.,* plasticity-modifying condition, any plasticity-modifying agent, any proteolysis-enhancing agent, any active agent, any drug delivery system, any mode of administration, any dosage regimen, any therapeutic application, *etc.)* can be excluded from any one or more claims, for any reason, whether or not related to the existence of prior art.

[00317] The publications discussed above and throughout the text are provided solely for their disclosure prior to the filing date of the present application. Nothing herein is to be construed as an admission that the inventors are not entitled to antedate such disclosure by virtue of prior disclosure.

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Table 4

%Dark rearing versus control
%Downregulated in dark rearing
%Significance criterion = (
%

%i	affyid	p	DR	control			
1	116913_at	0.000013	[illegible]	[illegible]	[illegible]		
3	163279_at	0.000018	[illegible]	[illegible]	[illegible]		
4	116738_at	0.000026	2200.47	[illegible]	[illegible]		
5	100539_at	0.000028	2230.47	[illegible]	[illegible]		
6	101039_at	0.000029	703.03	[illegible]	[illegible]		
7	96244_at	0.000032	5196.07	[illegible]	[illegible]		
8	96900_at	0.000034	5199.73	8428.83	[illegible]		
9	111915_at	0.000044	428.83	[illegible]	[illegible]		
10	164133_at	0.000044	[illegible]	[illegible]	[illegible]		
11	166936_i_at	0.000044	[illegible]	964.9	[illegible]		
12	114451_at	0.000049	[illegible]	2237.[illegible]	[illegible]		
13	112460_at	0.00005	[illegible]	[illegible]	[illegible]		
14	111941_at	0.000053	[illegible]	[illegible]	Snx16		
15	104738_at	0.000063	505.23	903.83	D63784		
16	106175_at	0.00007	[illegible]	[illegible]	[illegible]		
17	93312_at	0.000074	1795.4	[illegible]	[illegible]		
18	106279_at	0.000074	[illegible]	[illegible]	[illegible]		
19	92987_at	0.000075	2622.[illegible]	[illegible]	[illegible]		
20	103904_at	0.000077	813.33	[illegible]	[illegible]		
21	162605_at	0.00008	282.6	349.33	[illegible]		
22	115062_at	0.000081	[illegible]	[illegible]	[illegible]		
23	105133_at	0.000084	[illegible]	[illegible]	[illegible]		
24	93984_at	0.000086	[illegible]	[illegible]	Atpi		
25	103234_at	0.000088	[illegible]	769.4[illegible]	[illegible]		
26	110406_at	0.000094	[illegible]	[illegible]	[illegible]		
27	104195_at	0.000096	[illegible]	[illegible]	[illegible]		
28	105788_at	0.000102	[illegible]	[illegible]	[illegible]	AI83[illegible]	
29	103855_at	0.000111	[illegible]	[illegible]	[illegible]	NM_011[illegible] /// NM_201385 /// NM_201386 /// NM_201387 /// NM_201388 /// NM_201389 /// [illegible] /// NM_201394	
30	160072_at	0.000111	134.3	174.2	Rfc3	AV02657[illegible]	XM_132528
31	161077_f_at	0.000118	184.17	280.43	Smarcd2	AV252495	NM_031878
32	160704_at	0.00012	439.93	643.23	1110067D22Rik	AW121603	NM_173752

Table 4

33	94875_at	0.000124	371.97	646.6	Mrpl20	AI838915	NM_025570
34	165290_f_at	0.000127	203.73	398.97	---	AV229080	NM_021414
35	103910_at	0.000128	585.83	1028.43	---	AJ249987	NM_020024
36	114032_f_at	0.000129	4244.37	7428.33	Glcci1	AI843759	NM_133236 /// NM_178072
37	116058_at	0.000139	313.97	485.83	2900057K09Rik	AI854413	---
38	168299_f_at	0.000143	491.27	1205.07	---	AV090198	---
39	107599_at	0.000146	804.63	1145.87	---	AI121363	XM_148990
40	164029_at	0.000148	533.3	770.33	DXImx41e	AI891531	NM_173747
41	109727_at	0.000154	923.97	1367.5	Phf2	AI851684	NM_011078
42	93288_at	0.000166	2777.13	4956.27	Arpc2	AI835883	XM_129773
43	112908_at	0.000168	490.73	1025.87	Axud1	AI849021	NM_153287
44	164429_f_at	0.000172	1055.9	1682.4	---	AV086748	NM_018819
45	161818_f_at	0.000174	279.57	467.5	Pdcd4	AV376445	NM_007607
46	161357_r_at	0.00019	509.57	987.2	---	AV207739	NM_008183
47	162702_at	0.000196	2757.77	3821.47	Dusp14	AI851272	NM_019819
48	139276_at	0.000196	1168.13	1923.77	---	AW046131	XM_127272
49	160235_at	0.000197	460.4	862.2	5033425B17Rik	AI843521	NM_027215
50	160423_at	0.0002	243.13	356.23	Mrps2	AI853575	NM_080452
51	115269_at	0.000216	436.47	856.27	Bin3	AI155952	XM_358314
52	105832_at	0.000217	561.37	985	---	AI849717	NM_030743
53	163675_r_at	0.000219	88.13	191.97	Nr4a2	AW045923	---
54	94536_s_at	0.000222	3045.97	3845.37	2900073G15Rik	AI843417	NM_023402 /// NM_026064
55	169396_r_at	0.000226	1919.97	3561.6	---	AV101367	XM_132830
56	102870_at	0.000227	4815.7	10976.93	5930418K15Rik	AW125272	NM_001033178
57	111564_at	0.000244	422.17	650.93	---	AA067741	XM_484476
58	162762_at	0.000257	1108.8	1805.77	---	AW122369	NM_001001881
59	161073_at	0.000289	1949.23	2721.17	C630002B14Rik	AI846304	NM_175331
60	165219_s_at	0.000293	467.13	588.8	---	AV364901	NM_021890
61	162608_at	0.000294	136.8	247.8	---	AI844245	NM_025426
62	92981_at	0.000304	1245.53	1964.63	---	X68837	NM_009129
63	162486_f_at	0.000308	538.8	635.9	---	AV122030	NM_007834
64	165073_f_at	0.000317	307.4	592.13	---	AV335734	NM_153515
65	101101_at	0.000324	1760.1	2329.1	Ppp2cb	Z67746	NM_017374
66	170060_r_at	0.000324	4751.67	7112.73	Hoxa11s	AV305600	NM_010450
67	98106_at	0.000327	420.03	537.5	Timm44	U69898	NM_011592
68	102773_at	0.000333	156.93	226.7	Car8	X61397	NM_007592
69	100084_at	0.000335	477.63	680.03	Vil2	X60671	NM_009510
70	161998_f_at	0.000335	1073.2	1751.13	---	AV329719	NM_145602

Table 4

71	95044_at	0.000338	721.07	1096.03	1500003D12Rik	AI844549	NM 025895
72	103346_at	0.000347	50S.33	675.37	Clk2	AF033564	NM_007712
73	160487_at	0.000362	268.33	601.83	Myl4	M19436	NM 010858
74	93686_s_at	0.000372	6.97	87.07	Cit	AF086824	NM 007708
75	108512_at	0.000389	640.5	890.87	2810038K19Rik	AW125356	NM 023684
76	114832_at	0.000391	376	829.4	BC023296	AI197451	NM_153545
77	101947_at	0.000393	539.83	1103.2	Nakap95	AB028921	NM_017476
78	160442_at	0.000399	369.77	494.43	Cct2	AB022156	NM_007636
79	163701_at	0.000404	684.77	1033.6	1500041J02Rik	AI835985	NM_026424
80	102134_f_at	0.000408	490.67	800.53	Atp5g2	AI461702	NM 026468 /// XM_620687
81	102194_at	0.000411	510.17	7700..0077	2810432D09Rik	AW122332	NM_027278
82	110124_at	0.000417	275.37	35566..1177	6430573D20Rik	AI647471	NM_172689
83	171609_r_at	0.000417	14280.63	188118800..9933		AV168074	
84	94915_afc	0.000437	582.97	82200..7777	Ppib	X58990	NM_011149
85	115131_at	0.000437	1635.73	2111100..2277	8430419L09Rik	AW045203	NM_028982
86	10683 0_at	0.000437	807.83	1662244..1133	Arhgef7	AW045717	NM_017402
87	10353 l_f_at	0.000438	260.8	366.4		AI049144	KM_026184
88	97274_at	0.000439	877.3	1346.67	Psradl4	Y13 071	NM_021526
89	162928_f_at	0.00044	8255.73	12307.2	Cdk5r	AI852396	NM 009871
90	99640_at	0.000452	803.83	1170.6	Minppl	AW045481	NM_010799
91	94796_at	0.000457	1368.6	3329.33	Psmdll	AA710643	
92	114994_at	0.000457	1628.73	2268.93	R fX l	AW050047	NM_0 09055
93	98143_at	0.000458	524.7	691.4	Fut8	AB025198	NM_016893
94	134405_at	0.000462	3581.13	S639.93	Egr3	AI662230	NM_018781
95	161864_f_at	0.000466	437.9	586. 5		AV068306	NM_008959
96	95940_f_at	0.000473	145.3	302.47	9830126M18	AW047237	NM_198301
97	114093_at	0.000483	813.27	1087 47		AI852806	XM_355470
98	103606_r_at	0.000484	288.93	S52.93	Rgsl9	AW121438	NM_026446
99	96060_at	0.000489	298.57	380.83	Serpinb a	U25844	NM 009254
100	93500_at	0.000493	1358.53	1782.6	Alasl	M63245	NM_020559
101	92724_at	0.000507	134.27	201.67	Hnrpal	AI183202	NM_010447
102	113337_at	0.000511	512.07	666.2	Mizl	AW121227	NM_008602
103	170481_at	0 .000535	1800.4	2979.17		AV21S614	
104	112992_at	0 .000536	509.1	678	4930402H24Rik	AI852138	NM_029432
105	109389_at	0.000544	152.13	281.97	4732460C16Rik	AW122048	
106	110371_at	0.000547	507.83	858.9	D13 0064H19Rik	AA793751	NM_172593
107	161965_r_at	0.000551	712.77	1033..43		AV367494	NM_031878
108	9909S at	0.000557	376.67	678.7	Max	M63903	NM_008558

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Table 4

109	160811_at	0.000561	253.23	344.5	MGC56855	AW12171[illegible]	NM_177682
110	101023_f_at	0.000565	584.67	1180.13	---	AI843605	---
111	164293_at	0.000574	103[illegible]	1741.[illegible]	---	[illegible]	NM_023[illegible]
112	166964_at	0.000579	772.4	105[illegible]	---	[illegible]43	NM_0[illegible]
113	93459_s_at	0.000587	763[illegible]	124[illegible]	Fzd4	[illegible]397	[illegible]055
114	94347_i_at	0.000588	440.73	[illegible]	[illegible]	[illegible]44	[illegible]786
115	100482_at	0.00058[illegible]	[illegible]	[illegible]	BC02[illegible]	AI8[illegible]408	[illegible]149
116	136675_at	0.000593	[illegible]	[illegible]	[illegible]	AI851[illegible]	NM_198[illegible]
117	165830_f_at	0.000596	796	1493.43	A33[illegible]	[illegible]	XM_[illegible]112
118	134734_at	0.000597	1421.67	201[illegible]	---	[illegible]45	[illegible]
119	164059_f_at	0.000613	1644.33	321[illegible]	Cntn[illegible]	[illegible]65	[illegible]727
120	138479_at	0.000618	2799.5	4439.7	[illegible]	AW122[illegible]	NM_14[illegible]
121	116412_r_at	0.000622	[illegible]	[illegible]	---	[illegible]	[illegible]
122	96709_at	0.000632	[illegible]	[illegible]	[illegible]k	[illegible]39	[illegible]001
123	112416_at	0.000634	1732.87	240[illegible]	Ctdspl	[illegible]	NM_133[illegible]
124	133702_at	0.000636	2357.53	307[illegible]	A43[illegible]k	AI462[illegible]	[illegible]024
125	162645_at	0.00064	962.4	135[illegible]	Prka[illegible]	AI851427	[illegible]158
126	92773_at	0.000647	124.07	186.47	[illegible]	AF0[illegible]528	[illegible]737
127	102924_at	0.000648	1018	141[illegible]	Dtx1	[illegible]	NM_0[illegible]
128	160975_at	0.00065	268.9	525.47	7L2[illegible]	[illegible]	NM_03[illegible]
129	108293_at	0.00065	102[illegible]	1608	AI59[illegible]	[illegible]	[illegible]01361[illegible]
130	102742_g_at	0.000655	3248.87	704[illegible]	Mapt	[illegible]	NM_01[illegible]
131	109529_at	0.000657	939.07	[illegible]	[illegible]	[illegible]726	[illegible]
132	161214_r_at	0.000661	912.63	[illegible]	[illegible]	AV26[illegible]	NM_15[illegible]
133	164896_f_at	0.000681	[illegible]	1164	---	[illegible]	NM_0[illegible]
134	160485_r_at	0.000691	455[illegible]	820.[illegible]	D8766[illegible]	[illegible]	NM_00[illegible]
135	111343_i_at	0.000697	[illegible]	[illegible]	[illegible]k	[illegible]82	[illegible]185
136	112395_at	0.000698	143.63	208.67	843[illegible]k	[illegible]95	[illegible]053
137	106577_at	0.000706	472[illegible]	7922.[illegible]	Btebl	[illegible]98	[illegible]
138	164383_f_at	0.000708	137.67	[illegible]	---	[illegible]	NM_011[illegible]
139	117199_at	0.000719	361.33	511.2	---	[illegible]40	NM_02[illegible]
140	101074_at	0.000737	371	[illegible]	Ddost	D89063	NM_007838
141	162967_r_at	0.00074	33[illegible]	4645.53	3100002M17Rik	AI842784	NM_027016
142	135314_at	0.000745	4635.3	[illegible]55.5	---	AI842058	NR_002321 // NR_002322
143	168181_i_at	0.000758	1397.83	[illegible]01.9	Rps3	AV169767	NM_012052
144	111421_at	0.000775	1711.43	[illegible]03.93	Sh3gl1	AW046845	NM_026530
145	135401_at	0.000784	1828.13	3334.33	---	AW214326	NM_011447
146	110360_at	0.000795	550.1	121[illegible]	3300001P08Rik	AI849146	NM_026313

Table 4

147	167055_f_at	0.00081	2927.7	6142.57	Mcl1	AV317016	NM_008562
148	168944_i_at	0.000814	3227.33	4783.9	---	AV077500	NM_024432
149	165357_f_at	0.000821	424.3	862.4	---	AV020220	NM_007748
150	92794_f_at	0.000822	887.27	1350.2	Nme1	M35970	NM_008704
151	93589_at	0.000834	1398.57	2411.53	Lysal1	AI849646	NM_172937
152	135609_at	0.000838	669.1	1052.17	Egln3	AI505553	NM_028133
153	96042_at	0.000857	359.77	539.2	Sod2	L35528	NM_013671
154	160727_at	0.000857	1075.83	1333.44	2410002F23Rik	AW046357	NM_025880
155	164148_at	0.000861	906.03	1939.1	Gtl2	AI834913	NM_144513
156	108029_at	0.000865	355.8	526.53	4931428D14Rik	AW125801	NM_025740
157	95759_at	0.000885	420.2	541.33	2900092E17Rik	AW123746	NM_030240
158	103959_at	0.000889	155	268.13	Phf13	AI605405	NM_172705
159	114069_at	0.00089	477.37	1067.17	[illegible]	AI844797	NM_001013390
160	109077_at	0.000897	943.67	1417.73	Ube3b	AI854538	NM_054093
161	108019_f_at	0.000902	581.7	878.47	Hmga1l4	AI850464	NM_023547
162	138517_at	0.000906	466.47	750.47	1700019B16Rik	AI847259	NM_028829
163	105580_at	0.000914	411.93	627.13	4930470D19Rik	AA517795	NM_026274
164	95387_f_at	0.000918	77.23	236.3	Sema3a	AA266467	NM_013655
165	93048_at	0.000919	583.17	925.33	Clpp	AJ005253	NM_017393
166	92202_g_at	0.000927	1126.27	2324.87	---	AI553024	XM_134826
167	171624_at	0.000928	77	237	---	AV161512	NM_009760
168	164308_f_at	0.000934	643.03	963.67	[illegible]	AV239634	NM_019705
169	101078_at	0.000941	5107.2	6915.03	Bsg	Y16258	NM_009768
170	108475_at	0.000943	336.77	575.87	[illegible]	AI852851	XM_136178
171	109415_at	0.000945	779.53	1221	Hook1	AI646948	NM_030014
172	137185_i_at	0.000957	1184.1	1918.47	[illegible]	AI840674	---
173	97932_f_at	0.000966	570.9	714.9	Cd151	D89290	NM_009842
174	96236_at	0.000979	406.53	689.43	Cdc16	AW122965	NM_027276
175	115360_at	0.000988	1432.43	1783.27	Cul3	AI839569	NM_016716
176	164885_f_at	0.000989	427.03	835.33	---	AV335220	NM_009142
177	166582_i_at	0.000992	5648.53	6487.73	---	AV380822	---
178	98472_at	0.001008	103.17	153.67	[illegible]	Y00629	NM_010398
179	95053_s_at	0.00102	2661.73	3917.9	Sdhb	AA674669	NM_023374
180	99607_at	0.001022	2210.57	3859	Skp1a	Z47088	NM_011543
181	164502_r_at	0.001032	1298.77	2266.73	---	AV314810	NM_025594
182	115765_at	0.00104	815.97	1114.77	Shprh	AI851172	NM_026174
183	168820_at	0.00104	233.4	360.4	---	AV296698	---
184	93094_at	0.001087	109.83	203.83	Cdr2	U88588	NM_007672

Table 4

185	97448_at	001099	1841.57	2968.57	---	AI845165	NM_001004146 /// NM_177298
186	117188_at	001113	196	339.77	Esrrbl1	AW121981	NM_028680
187	96192_at	001117	626.13	839.37	Sp3	AF062567	NM_001018042 /// NM_011450
188	94042_f_at	00113	2643.43	3445.73	Gng5	AI843937	NM_010318
189	162049_f_at	001138	123.37	183.83	---	AV379304	NM_201352
190	160271_at	0.001139	737.23	920.83		AW121255	NM_027855 /// NM_212470
191	100095_at	0.001157	542.07	691.5	Scarb1	U37799	NM_016741
192	161715_f_at	0.00117	318.73	454.37		AV250651	NM_025667
193	116938_at	0.001173	2548.83	8227.57	Spry2	AI848233	NM_011897
194	112363_at	0.001178	1698.38	2587.3	Sorl1	AW048194	NM_011436
195	160431_at	0.00118S	417.23	868.7	Mrpl12	AW124432	NM_027204
196	163581_at	0.001197	2913.23	4179.13	Dcamkl1	AI847732	NM_019978
197	102036_at	0.001207	297.23	421.8	1810004B07Rik	AW046757	NM_026909
198	104007_at	0.001213	220.83	374.73	Slc25a15	AA986782	NM_011017 /// NM_181325
199	100952_at	0.001217	629.97	856.57	Stim1	U47323	NM_009287
200	113541_at	0.001228	511.47	1015.13	2610019N13Rik	AI843578	NM_026989
201	98938_at	0.001234	498.27	602.5	1500026D16Rik	AI852184	NM_026616
202	106245_at	0.001234	1719.7	2170.67	Mllt3	AW048315	NM_1393[illegible]
203	163946_at	0.001239	1441.03	2314.43	Baalc	AI591547	NM_080640
204	95749_at	0.001253	557.67	747.57	Arraet	AW122364	NM_029103
205	93656_g_at	0.001264	405.43	593.03	Usf1	X95316	NM_009480
206	114562_at	0.001265	183.03	286	6430526J12Rik	AA710515	NM_172668
207	164006_at	0.001267	1066.5	1679	Slc7a4	AI853530	NM_144852
208	108905_at	0.00127	343.47	460.93	---	AI561437	NM_053193
209	101393_at	0.001273	562.93	137	Anxa3	AJ001633	NM_013470
210	170411_at	0.001273	814.07	1184.4		AV333428	NM_033574 /// NM_033575 /// NM_033576 /// NM_033577 /// NM_033578 /// NM_033579 /// NM_033580 /// NM_033581 /// NM_033582 /// NM_033583 /// NM_033584 /// NM_033585 /// NM_033586 /// NM_033587 /// NM_033588 /// NM_033589 /// NM_033590 /// NM_033591 /// NM_033592 /// NM_033593 /// NM_033594 /// NM_033595
211	116094_at	0.00128	967.1	1309.13	BC033915	AI846254	NM_027498
212	103524_at	0.00129	239.6	362	Cdan1	AA691078	XM_485054
213	107876_at	0.001298	4100.53	5696.23	2610017I09Rik	AW047950	NM_183252
214	114937_at	0.001303	1230.17	2087.53	BC032203	AI256570	XM_140041
215	107124_at	0.001315	541.23	834.77	2810021O14Rik	AI848296	NM_025480
216	95437_at	0.00132	396.73	522.07		AI836139	NM_011931
217	108440_at	0.001323	409.73	632.73	3100002B05Rik	AA832882	NM_026664
218	97204_s_at	0.001333	175.83	362.53	Dnajd1	AI850983	NM_025384
219	97770_s_at	0.001333	767.23	1112.33	D6Wsu176e	AA733372	NM_138587
220	100446_r_at	0.001339	6210.67	12236.33	Sprr1b	X91825	NM_009265

Table 4

221	94767_at	0.001339	5897.67	9771.8	Rps11	U93864	NM_013725
222	162442_r_at	0.001345	255.37	366	---	AV349550	---
223	163513_f_at	0.001351	259	616.27	Tm9sf2	AV232877	NM_080556
224	164317_f_at	0.001356	746.03	1241.27	---	AV232343	NM_145475
225	111352_at	0.001361	448.13	575.7	Snrpf	AW215724	---
226	115414_at	0.001388	753.9	985.3	AW545589	AI849017	NM_019805
227	100533_s_at	0.001396	116.4	166.9	Crem	M60285	NM_013498
228	130491_at	0.001417	3214.17	4305.13	Amn	AI853281	NM_033603
229	94302_at	0.001423	1013.27	1664.4	Psmd4	AF013099	NM_008951
230	97366_at	0.001429	565.93	734.63	BC026588	AI851024	NM_146075
231	112886_f_at	0.001442	325.13	518.93	AA517739	AA968017	XM_489602 /// XM_622764
232	165458_r_at	0.001445	1828.7	3048.5	2610020H08Rik	AV214281	NM_001004187 /// NM_028129
233	99535_at	0.001447	1197.17	1746.5	Ccrn4l	AW047630	NM_009834
234	161889_f_at	0.00146	5298.7	6223.67	---	AV102160	---
235	115150_at	0.00146	234.33	415.23	---	AI846687	NM_024479
236	163370_at	0.001462	334.5	671.93	Osbpl3	AI591488	NM_027881
237	167197_s_at	0.001469	746.93	1120.87	Sftpa	AV025377	NM_023134
238	135355_at	0.001473	2189.87	7430.73	---	AW228646	---
239	137241_f_at	0.001476	988.57	1528.23	---	AI835499	NM_007917
240	99185_at	0.001485	495.93	808.4	2810443J12Rik	AW047026	---
241	94194_s_at	0.00149	633.43	1178.5	Hcn2	AJ225122	NM_008226
242	170384_r_at	0.001492	663.93	1256.57	---	AV325109	NM_138744
243	110343_f_at	0.001493	379.87	630.67	Tubgcp5	AI448463	NM_146190
244	160395_at	0.001495	191.2	429.8	D11Ertd603e	AW046672	NM_026023
245	104778_at	0.001501	363.13	619.57	4933426E21Rik	AI503093	NM_001029912
246	107298_at	0.001509	2268.77	3566	---	AW050310	XM_489103
247	101989_at	0.001528	3640.67	4891.23	Uqcrc1	AW125380	NM_025407
248	162833_at	0.001543	1504.1	3256.33	4833436C18Rik	AI849772	XM_131380
249	106659_at	0.001552	299.5	480.2	6720484B16	AI851954	NM_172502
250	113524_at	0.001552	325.33	649.07	Pdhx	AI747428	NM_175094
251	101063_at	0.001555	238.33	742.23	Tncc	M29793	NM_009393
252	113656_at	0.001555	437.83	593.3	1110012M11Rik	AW050247	NM_028617
253	99656_at	0.001566	497.87	740.63	D8Ertd812e	AI849027	NM_198020
254	93531_at	0.00157	1653.57	2121.43	Ndufa8	AI853855	NM_026703
255	164659_f_at	0.001581	619.03	839.57	---	AV356562	---
256	166258_at	0.001592	3038.4	3743.23	Dact2	AW208410	NM_172826
257	AFFX-MUR_b2_at	0.001611	2802.8	3968.13	---	X63136	---
258	160742_at	0.001623	355.63	446.33	Plod3	AI840146	NM_011962

Table 4

259	95290_at	0.001645	337.43	611.2	Crhrl	X72305	NM_007762
260	103397_at	0.00165	359.23	508.97	Hrb	AA795486	NMJ310472
261	111118_at	0.001654	118.2	175.4	Stk381	AI182733	NM_172734
262	103098_at	0.001656	789.17	967.17	Baiap2	AW045765	NM_130862
263	95161_at	0.001658	837.13	1257.27	Ctdsp2	AW120628	NM_146012
264	169823_at	0.001663	3036.43	3693.9		AV147884	
265	93043_at	0.00168	4224.17	4990.97	Sdfrl	D50463	NM_009145
266	9910S_at	0.001687	1771.4	3023.73	Cops	AF071315	NM_012002
267	163093_at	0.001705	2449.5	4626.23	Mcolnl	AI841374	NM_053177
268	109807_f_at	0.001706	190.77	334.23		AI117666	
269	163952_at	0.001707	608.13	745.33	Movl0ll	AA764119	NM_027905
270	134749_f_at	0.001712	2859.23	3607.7		AI662731	XM_620293
271	114904_at	0.001721	289.93	615.9	C730036H08	AI853072	NM_172928
272	164749_f_at	0.001722	1732.63	3755.23		AV154443	
273	94562_at	0.001726	283.9	432.77	Gnpat	AI843968	NM_010322
274	108969_at	0 .001738	531.2	754.87	Msilh	AA220091	NM_008629
275	114332_at	0.001741	337. 23	475. 83	Btbd7	AI644118	NM_172806
276	139527_at	0.001744	2611 .9	3571 .47	4930471K13Rik	AW049290	NM_181074
277	113648_at	0.001756	2218 .63	3036 .53	2810437L13Rik	AW049458	NMJ.97980
278	107483_at	0.001774	355. 67	561. 2		AW050172	NM_001013753
279	163611_f_at	0.001777	1141 .27	2395 .1	Nudtll	AI843187	NM_021431
280	163409_at	0.001796	239.4	619.4	6330505F04Rik	AI627048	NM_172779
281	98904_at	0.001801	371.1	587.7	Mrpl35	AW061339	NM_025430
282	137542_at	0.001813	801.27	1640.5	AA881470	AI550484	NM_172724
283	135210_at	0.001833	860 2	1611.37	Polg	AI503064	NM_145946
284	104033_at	0.00186	644 97	849.33	Mgea6	AI841996	NMJ.46034
285	93119_at	0.001871	3831.3	6057.97	Cox5b	X53157	NM_009942
286	109418_at	0.001872	706.97	1184.93	A530089I17Rik	AI846894	NM_133999
287	162529_at	0.001874	3674.8	5195.93	Ndufs7 ---	AI837272	NM_029272
288	97812_at	0.001876	443.3	715 7	Ranbp9	AP006465	NM_019930
289	98800_at	0.001894	252.93	435.47	Slc23a3 ---	U25739	NMJL94333
290	105496_at	0.001894	236.73	582.3	Hsf2	AA832774	NM_008297
291'	93582_at	0.0019	274.87	329.57	Coq7	AF080580	NM_009940
292	137242_f_at	0.0019	2141.53	4183.57		AI836689	NM_021273
293	110969_at	0.00191	513.27	832.33	3110031B13R αk	AW123355	NM_026075
294	93410_at	0.001914	765.13	1055.2	1810073P09Rik	AW120840	XMJ.27323
295	103780_at	0.001928	110.7	194.73	1700021F05Rik	AW049510	NM_026411
296	93076 at	0.001932	2187.9	3001.9	Csnklal	AW124171	NM 146087

Table 4

297	160832_at	0.001946	348.6	410.23	Ldlr	Z19521	NM_010700
298	162806_at	0.001946	2818.2	4602.03	2410004H02Rik	AI154996	NM_145954
299	95565_at	0.001951	357.8	515.33	Mad2l1bp	AI852873	NM_025649
300	106469_at	0.001961	631.77	1705.77	Rtn4	AI835918	NM_024226 /// NM_194051 /// NM_194052 /// NM_194053 /// NM_194054
301	108515_at	0.001963	533.17	780.77	Tpcn1	AA866771	NM_145853
302	163658_at	0.00198	600.87	669.47	6430704M03Rik	AI851180	XM_131434
303	103420_at	0.001989	800.57	1031.17	Emd	U79753	NM_007927
304	100527_at	0.002003	1567.77	2088.93	D11Ertd99e	AW124744	NM_026518
305	113626_at	0.00202	345.27	531.7	3110031B13Rik	AW050102	NM_026075
306	100068_at	0.002041	973.33	1292.47	Aldh1a1	M74570	NM_013467
307	94259_at	0.002048	789.43	1316.63	5730442A20Rik	AB024935	NM_019766
308	164923_f_at	0.002048	359.2	538.07	---	AV091954	NM_026610
309	100903_at	0.002049	365.73	513.63	Adprtl2	AJ007780	NM_009632
310	166739_r_at	0.00205	3632.3	4280.57	---	AV331146	NM_145473
311	99184_at	0.002054	333.87	443.2	Csad	AW120896	NM_144942
312	96212_at	0.002063	1209.27	1662.3	2310061I04Rik	AI853918	XM_128627
313	112740_at	0.002076	564.53	1163.37	Thrap2	AA792120	NM_172424
314	95707_at	0.00208	1030.1	1793.7	2900010M23Rik	AA615853	NM_026063
315	113310_f_at	0.002085	2839.77	3625.27	Mjd	AA175228	---
316	100828_at	0.002086	509.2	656.7	---	AI648850	NM_010858
317	109416_at	0.002088	361.93	645.6	Pdgfa	AI835646	NM_008808
318	95529_at	0.002093	484.97	884.47	Dbnl	U58884	NM_013810
319	96652_at	0.002096	868	1142	Mrpl28	AI849911	NM_024227
320	111038_at	0.002113	1566.8	2485.3	Clasp2	AW047327	NM_029633
321	104651_at	0.002125	442.9	691.63	C330035N22Rik	AI839611	NM_172926
322	161127_i_at	0.002125	327.33	495.13	Rpl24	AV294412	NM_024216 /// XM_194389
323	170932_at	0.00213	1413.43	1854.67	---	AV102105	NM_133964
324	100534_at	0.002153	2422.17	2889.43	Tsnax	AI183109	NM_016909
325	97929_r_at	0.002155	385.3	525.43	Psmd9	AW124782	NM_026000
326	161763_r_at	0.002155	442.87	1719.63	Pip5k2c	AV303514	NM_054097
327	167926_f_at	0.002184	680.93	992.07	---	AV255693	NM_013830
328	95442_at	0.002205	1198	1512.2	MGC18837	AI835706	NM_178577
329	98132_at	0.002211	505.13	825.77	---	X01756	NM_007808
330	164491_at	0.002214	75.23	162.5	---	AV263513	---
331	95696_at	0.002221	1354.7	2447.6	Txnl2	AI840882	NM_023140
332	93379_at	0.002227	571.03	759.1	Dpysl4	Y09079	NM_011993

Table 4

333	116074_at	0.002256	1697.63	2450.23	Pvrl1	AI835281	NM_021424
334	115735_r_at	0.002276	739.93	1248.97	C6	AI326046	NM_016704
335	166381_f_at	0.002284	128.7	237.03	4931417E11Rik	AV278586	NM_025737
336	94246_at	0.002285	444.47	609.8	Ets2	AV003378	NM_011809
337	92191_at	0.002292	150.57	234.33	2810410A08Rik	AI854171	NM_145832 /// NM_211358
338	96943_at	0.002293	1986.4	3339.73	---	AW125234	NM_145370
340	140436_at	0.002305	4315.2	5663.77	Mapk4	AW060644	NM_172632
341	116858_at	0.002312	709.77	954.6	Mafb	AI849704	NM_001004164
342	107028_s_at	0.002328	542.43	1026.07	5830445C04Rik	AW049312	NM_026366
343	96232_at	0.00233	632	1040.6	Cul2	AI854281	NM_029402
344	162962_at	0.002355	906.07	1372.97	B630019K06Rik	AI843180	NM_175327
345	164458_f_at	0.002356	457	840.67	---	AV150246	NM_025635
346	162094_f_at	0.002361	154.53	242.07	AW215571	AV339425	
347	111464_at	0.002364	887.9	1218.13	2410153K17Rik	AI840632	XM_486122
348	112307_at	0.002366	897	1069.6		AW541238	XM_130491
349	112388_at	0.002372	2933.57	5959.2	Mmd	AW123069	NM_026178
350	113255_at	0.002372	57.33	103.47	C6.1A	AI844475	NM_145956
351	166313_r_at	0.002374	4058.83	5936	Stch	AV345032	NM_030201
352	96258_at	0.002375	2020.57	4019.9	Mgst3	AI843448	NM_025569
353	101093_at	0.002376	369.07	906.67	Col4a1	M15832	NM_009931
354	103695_f_at	0.002387	2023.33	2764.53	C330007P06Rik	AW047329	
355	116927_at	0.002398	608.17	1256.37	Srebf1	AI848903	NM_009021
356	106620_at	0.002402	1128.13	1503.07	1500019J17Rik	AW120962	NM_026398
357	107154_f_at	0.002412	948.03	1406.23			NM_175394
358	111849_at	0.002414	1760.87	2259.77	---	AW050288	NM_025808
359	168292_i_at	0.00243	3891.57	5698.53	9K06Rik	AV304486	NM_145376
360	116312_at	0.002448	188.67	388.17	LOC234344	AW214291	XM_134209
361	113691_at	0.002449	527.43	749.0	Prkab2	AW049533	NM_182997
362	94002_at	0.002454	1159	1319.4	Cul1	AI849838	NM_012042
363	94807_at	0.002465	908.33	1205.63	Slc25a1	AI848354	NM_153150
364	137328_at	0.002467	2598.1	4366.53	A530037C04Rik	AI552305	XM_283647 /// NM_011611 /// NM_170701 /// NM_170702 /// NM_170703 /// NM_170704
365	111837_at	0.002475	251.03	473.4	E430007K15Rik	AI255450	XM_130324
366	170227_at	0.00248	342.8	906.53	---	AV340157	---
367	162457_f_at	0.002498	3113.5	7294.6	---	87J04103	---
368	164560_at	0.002499	258.77	406		AV352226	

Table 4

369	116189_at	0.002509	275.4	395.13	2810409H07Rik	AA120487	NM_025942 /// NM_030091
370	160482_at	0.00252	652.3	1181.6	Acaa1	AI841705	NM_130864
371	161879_r_at	0.002533	1064.33	1535.27	[illegible]	AV366282	NM_146012
372	106637_r_at	0.002539	1547.53	1827.67	1810013B01Rik	AI647933	NM_029631
373	106629_at	0.002541	253.5	370.07	4632411B12Rik	AI838125	NM_172652
374	95010_at	0.002548	589.93	888.47	Traf3	U21050	NM_011632
375	116137_at	0.002548	1853.83	2780.53	---	AI839836	NM_172884
376	96518_at	0.002559	177.47	302.93	BC037006	AU017197	XM_109956
377	104120_at	0.002571	709.73	1099.83	5330431N19Rik	AW049205	NM_172639
378	163241_at	0.002573	236.6	331.93	Bbs4	AW045807	NM_175325
379	93102_f_at	0.002574	512.97	799.9	Actg2	U20365	NM_009610
380	109363_at	0.002576	1764.33	2606.4	Adar	AI847526	NM_019655
381	101787_f_at	0.002589	1369.57	1818.23	[illegible]	X16672	NM_009834 /// XM_484417 /// XM_484511 /// XM_485016 /// XM_485943 /// XM_486935 /// XM_489830 /// XM_619223 /// XM_620378 /// XM_622930
382	160230_at	0.002593	1841.33	2394.6	---	AI852363	
383	92394_f_at	0.002594	274.6	489.8	Crebl1	AB010266	NM_017406
384	162481_f_at	0.002603	835.9	1032.2	---	AV105090	NM_177231 /// NM_178220
385	160840_at	0.002604	222.37	346.33	Arhgef3	AI853706	NM_027871
386	101406_at	0.002611	151.67	222.43	Sult2b1	AF026072	NM_017465
387	161644_f_at	0.002637	709.23	980.43	---	AV080704	NM_010255
388	161436_s_at	0.002638	1017	1412.47	---	AV345565	NM_001024837 /// NM_001024838 /// NM_001024839 /// NM_001024840 /// NM_130895
389	96858_at	0.002653	595.57	1072.6	Pdcd8	AF100927	NM_012019
390	96873_at	0.002669	570.87	767.3	AI591476	AI843287	NM_025816
391	101079_at	0.002692	223.3	311.1	Nxf1	AF093140	NM_016813
392	99669_at	0.002734	398.97	558.47	Lgals1	X15986	NM_008495
393	98937_at	0.002737	847.27	1032.37	Tbrg1	AW049795	NM_025289
394	117217_at	0.002749	1057.33	2014.1	Wasf1	AI838537	NM_031877
395	101596_at	0.002755	109.83	212.5	---	C78859	
396	104117_at	0.002771	95.9	164.33	4930421J07Rik	AI836641	NM_027149
397	104562_at	0.002784	313.93	383.9	5730403M16Rik	AW049632	NM_172738
398	112003_at	0.00279	1054.73	1686.87	B430110G05Rik	AW122074	NM_178696
399	101067_at	0.002794	697.5	840	BC023814	AW124711	NM_026591
400	94132_at	0.00281	757.33	933.87	[illegible]	X03920	NM_008160
401	165671_f_at	0.002811	620.3	918.67	Fn3k	AI852365	NM_022014
402	102308_at	0.002814	395.03	699.3	Tulp3	AF045582	NM_011657
403	96621_at	0.002815	444.13	664.33	1110061L23Rik	AW048608	NM_029406
404	161487_f_at	0.002853	612.27	891.77	---	AV080542	

Table 4

405	116103_at	0.002862	1239.6	1631.4	---	AW121390	---
406	101486_at	0.002868	1160.53	1777.63	Psmb10	Y10875	NM_013640
407	94830_at	0.002886	576.9	906.7	Fasn	X13135	NM_007988
408	161495_r_at	0.002889	136.73	193.2	[illegible]	AV049191	XM_358254
409	103371_at	0.002898	1203.1	1593.7	[illegible]	AW121141	AF100956
410	97374_at	0.002911	319.77	576.63	[illegible]	[illegible]	NM_181516
411	167190_r_at	0.002918	1009.07	1861.67	[illegible]	AW120806	NM_172963
412	104954_at	0.002922	339.87	540.83	[illegible]	AI835009	NM_028908
413	169799_r_at	0.002946	1089.77	1568.47	[illegible]	AI852433	NM_145390
414	116178_at	0.002952	515.67	721.3	Hmg[illegible]	AI195532	[illegible]
415	95602_at	0.002976	2253.13	2837.9	[illegible]	[illegible]	NM_080559
416	93511_at	0.00298	390.23	660.9	Itm2a	L38971	NM_008409
417	115190_at	0.003001	332.3	499.67	Pias[illegible]	AW124360	NM_153142
418	95493_at	0.003023	658.47	876.17	[illegible]	AW122308	NM_053178
419	113730_at	0.003034	458.8	725.33	Es[illegible]	[illegible]	[illegible]
420	93257_at	0.00305	861.4	1083.17	Ddx[illegible]	AA163908	[illegible]
421	103584_at	0.003055	4659.17	6615.87	4933407C03Rik	[illegible]	NM_010046
422	166464_r_at	0.003064	204.1	392.73	--	[illegible]	NM_009383
423	109705_s_at	0.003066	1611.2	2272.17	D2B[illegible]	AI839615	NM_019697
424	94530_at	0.003071	501.67	628.8	C85[illegible]	AV018700	AI840376
425	165367_f_at	0.003072	2382.5	3381.1	[illegible]	AI840376	NM_145445
426	99339_r_at	0.003094	49	491.7	[illegible]	AW120924	XM_484981
427	99947_at	0.003096	260	332	Ti[illegible]	[illegible]	NM_145928
428	104371_at	0.003097	195.7	294	Dgat[illegible]	AF078752	AW124334
429	94113_at	0.003097	258.43	461.87	Ddx[illegible]	AW048287	NM_134040
430	163126_at	0.0031	274.9	511.6	[illegible]	AI480847	NM_028680
431	162524_at	0.003101	2273.53	2987.37	E230019G03Rik	X66405	NM_009933
432	103527_at	0.003106	341.87	452.93	A330108F03Rik	[illegible]	NM_021501
433	98862_at	0.003117	235.57	364.37	Wnt10a	[illegible]	NM_009518
434	170223_f_at	0.003136	6570.87	9056.2	[illegible]	AI848135	NM_019828
435	112975_at	0.003163	374.7	579.2	A330074B06Rik	[illegible]	[illegible]
436	104071_at	0.003169	2434.1	2853.23	[illegible]	AV124293	NM_020560
437	163638_i_at	0.003173	92.43	154.3	4933403G14Rik	AI508971	AI835009
438	114497_at	0.003185	1905.83	2329.03	1110012J17Rik	AI448406	XM_137762
439	107572_at	0.003201	1258.63	1507.6	2810025M15Rik	AI840458	NM_027274
440	105746_at	0.003227	1847.8	2558.3	AW121141	AF100956	NM_008202
441	107319_at	0.003238	212.57	359.4	[illegible]	AV091448	NM_009897
442	98575_at	0.003248	990.23	1293.23	Fas[illegible]	AI854300	NM_024473

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Table 4

443	98072_r_at	0.003266	35.63	83.47	Dck	X77731	NM_007832
444	110545_at	0.003283	209.97	409.97	---	AI593064	NM 029770
445	106872_at	0.003284	1166.07	1426.97	[illegible]	AW046396	NM_177836
446	104299_at	0.0033	414.13	564.37	Zdhhc14	AI842472	NM_146073
447	101179_at	0.003313	1433.17	2331.53	---	D50494	
448	97207_f_at	0.00333	269.87	495.17	Lypla1	AI875934	NM_008866
449	117321_at	0.003333	1865.8	2393.9	[illegible]	AI854488	NM_027086
450	103748_at	0.003336	443.4	1198.1	4933407C03Rik	AW125627	
451	100915_at	0.003345	460.1	966.33	Myh9	AW125698	NM_022410 /// NM_181327
452	164530_f_at	0.003358	1226.27	1605.66	[illegible]	AV350292	NM_198326 /// XM_485605
453	102431_at	0.003361	5696.77	9021.17	Mapt	M18775	NM_010838
454	96076_at	0.003371	588.8	868.27	Stx5a	AW121716	NM_019829
455	100718_at	0.003375	1836.57	3298.83	Ptma	X56135	NM_008972
456	164407_f_at	0.003391	1218.87	1886.3	---	AV344241	NM_019765
457	160869_at	0.003416	532	718.2	Sirt3	AI849490	NM_022433
458	164680_s_at	0.003418	727.6	1115.23	---	AV312895	NM_198163
459	93033_at	0.003423	115.6	207.53	Ube2e3	X92664	NM_009454
460	96875_r_at	0.00343	49.6	126.67	---	AI841410	NM_017377
461	115631_at	0.00343	726.03	1034.37	---	AW060546	NM_023603
462	112361_at	0.003434	1090.63	1411.63	Coq6	AW124800	NM_172582
463	105343_at	0.003447	244.37	481.7	---	AI156452	
464	99620_at	0.003457	75	148.77	Sfpq	AI450274	XM_128587
465	163663_at	0.003471	1046.6	1711.47	---	AI846080	NM_025816
466	111845_at	0.003472	3064.13	5557.53	---	AW049453	
467	164112_at	0.003479	540.47	913.91	4632415L05Rik	AI662792	
468	160146_r_at	0.003491	381.23	531.33	Polr2c	D83999	NM_009090
469	102108_f_at	0.003505	203.9	284.37	---	AI505453	NM_022410 /// NM_181327
470	162573_at	0.003514	2720.87	3517.13	5330410G16Rik	AW045610	NM_182991
471	164266_at	0.003514	270.8	517.7	Nlk	AV330397	NM_008702
472	107462_at	0.003527	429.77	639.83	5730528L13Rik	AW047417	NM_028137
473	109630_at	0.003531	184.73	306.8	C630007L23Rik	AA790799	XM_283496
474	112876_at	0.003536	5634.33	7633.17	---	AA920095	NM_001024474 /// XM_619909
475	111970_at	0.003539	122.8	285.6	---	AI616223	XM_127961
476	116877_at	0.003553	4406.53	5481.6	---	AW060474	
477	168591_r_at	0.003555	1184.1	1912.2	---	AV210831	
478	104242_f_at	0.003569	512.67	642.57	4930578F06Rik	AI835622	NM_029545
479	170586_r_at	0.003582	12780.5	14950.93	---	AV258212	XM_354949
480	97443_at	0.003583	1321.53	1860.05	Mrpl52	AI850850	NM_026851

Table 4

481	160075_at	0.003588	281.1	410.17	Nit1	AF069988	NM_012049
482	93829_at	0.003591	164.33	222.4	Rod1	AW107884	NM_144904 /// NM_178164
483	93421_at	0.003608	1618.93	2030.2	Pftk1	AF033655	NM_011074
484	135202_at	0.003613	3308.1	4120.73	---	AI563646	NM_153567
485	109734_at	0.003614	2051.73	2919.77	Dncl1	AV358934	NM_029814
486	164532_r_at	0.003628	1082.03	1710.4	---	AI843420	[illegible]
487	98032_at	0.003634	222.83	346.43	Zfp35	M36146	NM_011755
488	162733_at	0.003643	723.6	960.63	Ndufa5	AA870639	NM_026614
489	110157_at	0.003679	1265.8	1909	Galk2	AW125050	NM_175154
490	110435_at	0.003701	190.4	307.7	AI316828	AI893630	NM_009560
491	115608_at	0.003733	112.97	395.97	HkI	J05277	HM_010438
492	160090_f_at	0.003754	12457.6	14228.17	Aldo1	AI481314	NM_172965
493	92842_r_at	0.003768	129.03	148.7	4930471K13Rik	AW123836	NM_181074
494	114058_at	0.003789	257.8	376.47	4C01Rik	X75895	NM_018730
495	137531_at	0.003793	3739.7	5324.67	---	U89155	NM_008911
496	95147_at	0.003865	620.37	967.7	AI843	AA717740	NM_028696
497	112310_r_at	0.003866	85.63	170.07	1500010M16Rik	AW048032	NM_026892
498	110279_at	0.003874	2408.4	2561.97	Zfp179	AI838352	NM_009548
499	115669_at	0.003881	266.93	395.47	S100a1	AF087687	NM_011309
500	167951_at	0.003901	1346.63	1774.1	Sec13r	AI839895	NM_024206
501	95091_at	0.003905	741.33	930.33	---	AV234690	---
502	95453_f_at	0.003911	783.13	1034.93	A830039N02Rik	AW125656	NM_028894
503	117294_at	0.003927	8450.23	10520	Tmc4	AW122421	NM_029934
504	98953_at	0.003934	2833	4231.4	Slc25a16	AI852842	NM_175194
505	95655_at	0.003936	37.33	64.3	Pgls	AI843795	NM_025396
506	100429_at	0.003943	134.8	234.47	---	AI661034	---
507	92628_at	0.00395	2040.6	2942	Rpl36	AA152809	NM_197959
508	130534_i_at	0.003982	23275.6	28562.33	Chgb	X51429	NM_007694
509	109788_f_at	0.003992	537.9	915.47	Aldo1	Y00516	NM_007438
510	99335_at	0.00402	1556.93	3263.03	---	AI639736	NM_011861 /// NM_178365
511	109797_at	0.004055	959.7	1198.7	AI891412	AI851412	NR_002321 /// NR_002322
512	160121_at	0.004078	315.63	412.57	AW124961	BC024814	NM_146247
513	97201_s_at	0.00409	2987.17	4563.83	Ptpla	AA870639	NM_001012396 /// NM_013935
514	101210_at	0.004102	745.33	1032.63	Zfp35	M36146	NM_011755
515	92424_at	0.004119	168.93	288.67	---	AV350579	NM_145401
516	165022_f_at	0.004141	463.73	834.4	Dncl1c1	AI847889	NM_146229
517	115968_at	0.004144	187.8	278.43	5033405K12Rik	AA420310	---
518	135781_at	0.004146	932.7	1267.73	---	AI893789	---

Table 4

519	109715_at	0.004153	4005.7	4946.97	Cugbp1	AW046738	NM_017368 /// NM_198683
520	97356_at	0.004214	1687.1	2539.17	1810008O21Rik	AI839653	NM_026938
521	97273_at	0.004227	610.63	752.4	Ars2	AI845953	NM_031405
522	92555_at	0.004249	199.5	295.7	Tm4sf6	AF053454	NM_019656
523	106911_at	0.004271	666.93	1027.8	Dnm	AW121763	NM_010065
524	116577_at	0.004281	456.1	639.63	C230080I20Rik	AI450355	XM_485838
525	96021_at	0.004297	791.6	994.03	0710001C05Rik	AI854264	XM_203592
526	104106_at	0.0043	173	291.07	Sbno1	AI837830	XM_355637
527	104716_at	0.004306	136.53	180.77	Rbp1	X60367	NM_011254
528	170945_f_at	0.004312	1386.03	1623.37	---	AV112101	NM_011573
529	164746_f_at	0.004314	1786.03	3372.7	---	AV147912	---
530	130033_at	0.004346	274.73	367.93	1810012P15Rik	AI593446	XM_358407
531	160964_at	0.004351	3197.3	3936.8	D16Bwg1494e	AI838494	XM_358773 /// XM_622611
532	164636_f_at	0.004356	118.9	217.4	---	AV229875	NM_144806 /// XM_130282
533	169766_r_at	0.004387	791.37	1128.17	---	AV101347	NM_026797
534	135613_at	0.004389	198.87	650.13	Trim41	AI505867	XM_618865
535	96291_f_at	0.004407	2425.8	3064.27	---	AI835847	NM_010888
536	113200_at	0.004409	1147.3	1507.4	---	AW122883	NM_133700
537	112719_at	0.00441	1932.7	3386.8	D6Ertd349e	AW215036	NM_182784
538	94835_f_at	0.004433	13640.1	16905.53	Tubb2	M28739	NM_009450
539	164377_f_at	0.004443	2840.03	3954.67	---	AV322737	NM_001013256 /// NM_026889
540	164725_f_at	0.004451	86.83	238.37	---	AV083420	---
541	164305_at	0.004453	93.47	237	---	AV237879	---
542	103875_at	0.004457	529.27	651.2	AW552001	AA967717	NM_031375
543	100515_at	0.004485	543.1	867.03	Furin	X54056	NM_011046
544	136224_at	0.004491	537.7	724.8	MGC39058	AI836305	NM_138949
545	164090_i_at	0.004511	117.33	276.4	---	AI462901	---
546	164301_f_at	0.004516	151.63	273.7	---	AV235519	NM_026501 /// NM_028933
547	101959_r_at	0.004537	777.2	1213.1	Tfdp1	X72310	NM_009361
548	169465_s_at	0.004537	1052.07	1840.7	---	AV156900	NM_028454
549	161808_f_at	0.004539	229.4	388.07	---	AV371846	NM_007965
550	100576_at	0.004561	219.23	309.87	Pafah1b3	U57746	NM_008776
551	115965_at	0.004586	1052.27	1364.13	---	AI851716	---
552	163920_at	0.004602	154.57	252.77	E330005K07Rik	AI592356	NM_027777
553	113145_at	0.00461	752.8	1021.1	Xpo5	AI838163	NM_028198
554	93559_at	0.004637	784.5	1034.2	Apex1	D90374	NM_009687
555	166527_f_at	0.004649	462.7	675.3	---	AV303385	NM_133248
556	161494_f_at	0.004658	395.9	580.27	---	AV090776	NM_025313

Table 4

557	111745_at	0.004667	263.43	346.93	Zfpl48	AI225326	NM_011749
558	113588~f_at	0.004681	4234.97	5456.63	Kif5b	AI838375	NM_008448
559	109925_at	0.00469	547.03	1147.5	AI043120	AW123749	XM_128924
560	113312_at	0.004725	1272.43	1708.63	Pscdl	AI848583	NM_011180
561	164193_at	0.004733	221.53	319.03	3830421F13Rik	AA289928	NM_027226
562	104491_at	0.004753	233.13	337.1	1110054G21Rik	AI509330	NM_172992
563	140323_r_at	0.004762	1553.6	2452.43	1110019L22Rik	AA592566	NM_008688
564	95470_at	0.004765	364.73	702.5	Gdpdl	AI846025	--- NM_025550
565	93019_at	0.004793	733.3	1196.83	H2afx	Z35401	NM_010436
566	115334_at	0.004799	776.1	1155.23		AI449433	
567	100122_at	004801	624.73	936		L34290	NM_010313 /// NM_138719
568	103345_at	004819	4014	4506.83	Spna2	AW046708	XM_207079 /// XM_622887
565	161816_r_at	004835	1729.7	2391.03		AV37S661	NM_019821
570	93 057_f_at	004842	281.53	451.8	Hist2h2aal	U62674	NM_013549 /// NM_178212 /// XM_619173
571	100041_at	0.00485	967.97	1454.87	3010027G13Rik	AW124133	NM_026542
572	169499_r_at	0.004864	680.97	1453.13		AV209532	XM_130726
573	108536_at	0.004885	360.1	501.83	Slcl5a4	AI850994	NM_133895
574	111882_r_at	0.004901	94.1	197.03	Tspyl	AI843800	NM_009433
575	110746_f_at	0.004902	1635.23	2584.83		AA760217	
576	111355_at	0.00492	142.53	262.4	2010110K24Rik	AW123041	NM_025934
577	112291_r_at	0.004923	123	283	BC023823	AA655542	NM_153566
578	98418_at	0.004927	1675.27	2562.53	DvIl	U10115	NMJ310091
579	163058_at	0.004937	293.1	356 17	Sox9	AI852411	NM_011448
580	110165_at	0.004949	141.23	236.83	Nanosl	AW049758	NM_178421
581	108753_at	0.00496	731.37	913.47	1810027I20Rik	AW048441	NM_026950
582	102912_at	0.004961	2752.2	3279.67	5430432P15Rik	AI265115	XM_129246
583	108289_at	0.004976	213.43	325.83	BC031593	AI644063	NM_146063
584	136199_at	0.004983	1190.57	1684.47		AI853239	
585	99096_at	0.004984	714.13	833.57	Ddx24	D46690	NM_020494
586	163190_at	0.004987	192.73	361.97	Acvrll	A1115505	NM_009612
587	105469_at	0.004989	364.87	593.37	BC019560	AI642424	
588	1043 66_at	0.005013	526.93	775.9	BC039093	AW047831	XM_131700
589	161510_f_at	0.005032	7592.1	10179.57		AV151915	NM_011322
590	160195_at	0.005033	1742.83	2244.5	1200013P24Rik	AI846961	NM_029090
591	113701_at	0.005063	1260.2	1962.37	2dhhc8	AW045740	NM_172151
592	103779_at	0.005068	399.8	678.87	1810012I01Rik	AI8S2829	
593	95023_at	0.005073	2218.87	2904.5	BC023957	AW050353	NM_172257
594	93118 at	0.005081	123.13	239.23	Hnrpa2bl	AI844131	NM_016806 /// NM_182650

Table 4

595	94929_at	0.005094	723.7	1177.63	Ptpn1	M97590	NM_011201
596	164717_f_at	0.005113	266.63	427.63	---	AV053535	---
597	106615_at	0.005114	1033.63	1447	Ankrd17	AW208385	NM_030886 /// NM_198010
598	163015_at	0.005122	838.77	1249.63	Amn	AA929443	NM_033603
599	169773_r_at	0.005123	2021.23	3037.5	---	AV102460	NM_010094
600	171283_r_at	0.005124	4466.87	6316.77		AV216498	---
601	94062_at	0.005126	2633	3822.07	Ndufv2	AI847609	XM_128725
602	160170_at	0.005127	4356.4	5230	Stmn3	AF069708	NM_009133
603	107581_at	0.005134	2021.43	2974.73	Cdc42bpb	AI843686	NM_183016
604	165757_i_at	0.005137	2443.2	3305.23	---	AI844065	XM_620310
605	101499_at	0.005146	478.1	634.5	Ilk	U94479	NM_010562
606	160263_r_at	0.005161	391.5	552.6	Ndfip2	AI840981	NM_029561
607	94238_at	0.005163	35.43	104.4	2310046G15Rik	AW228316	NM_029614
608	115402_at	0.005166	699.7	915.97	2700087I09Rik	AW120513	NM_198161
609	107130_at	0.005171	149.03	188.4	4931428F02Rik	AW214372	NM_027642
610	AFFX-MUR_b2_at	0.005177	1440.33	2060.63	---	X63136	---
611	115129_at	0.005195	494.63	771.17	AW907654	AW123461	NM_199322
612	160661_at	0.005202	500.6	633.6	5730472N09Rik	AI840615	NM_175392
613	100628_at	0.005234	1079.7	2766.13	---	AI840263	NM_025523
614	109157_at	0.005246	277.37	438	Mrps30	AI847000	NM_021556
615	113618_r_at	0.005281	178.43	315	2810002N01Rik	AI663283	NM_027404
616	104725_at	0.005293	175.63	262.87	Arhq	AW060401	NM_145491
617	114752_at	0.005294	38.5	115.4	D930038M13Rik	AI843572	NM_001014399 /// NM_001014422 /// NM_001014423 /// NM_001014424 /// NM_178790
618	96296_at	0.0053	296.43	439.03	Mrpl15	AI843685	NM_025300
619	160801_at	0.005308	776.63	947.27	2310009N05Rik	AW061073	NM_025861
620	110763_at	0.00531	3386.87	4491.6	Hdac11	AI835406	NM_144919
621	104605_at	0.005329	577.43	739.57	1110001I14Rik	AW047554	NM_197985
622	94818_at	0.00534	600.33	798.93	Ogt	AW047223	NM_139144
623	112900_at	0.005343	1006.13	1554.6	Mrp63	AA682034	NM_026401
624	102137_f_at	0.005359	1423.37	1746.3	---	AI845856	---
625	111894_at	0.005369	448.23	688.53	Mrpl32	AA734460	NM_029271
626	98557_f_at	0.005373	3316.07	4184.43	Psmb4	U65636	NM_008945
627	137556_r_at	0.005373	818.17	1541.17	---	AI606152	---
628	165178_f_at	0.005381	478.17	649.97	---	AV378746	NM_011573
629	168187_at	0.005393	237.3	393.53	Smarcal	AV301607	NM_053123
630	138052_g_at	0.005404	3397.03	5305.33	---	AI836889	NM_201371
631	100964_at	0.005417	1625.2	2146.67	Vti1b	AF035208	NM_016800

Table 4

632	115251_at	0.005417	1177.47	1492.83	Katnb1	AA795006	NM_028805
633	93319_at	0.005421	396.47	602.23	Rasa3	U20238	NM_009025
634	162971_r_at	0.005424	134.03	224.1	[illegible]	[illegible]	[illegible]
635	104345_at	0.005471	427.53	561.63	[illegible]	[illegible]	[illegible]
636	98029_at	0.005483	369.6	531	[illegible]	[illegible]	[illegible]
637	165329_r_at	0.005485	1185.37	1881.23	[illegible]	[illegible]	[illegible]
638	111966_at	0.005492	758.53	1374.5	[illegible]	[illegible]	[illegible]
639	98884_r_at	0.005501	414.7	751	[illegible]	[illegible]	[illegible]
640	103732_at	0.005519	1159.83	1478.07	[illegible]	[illegible]	[illegible]
641	129210_at	0.005523	541.27	791.03	[illegible]	[illegible]	[illegible]
642	105115_at	0.005536	509.6	706.9	[illegible]	[illegible]	[illegible]
643	160129_at	0.005546	698.3	840.93	[illegible]	[illegible]	[illegible]
644	95131_f_at	0.005553	5167.67	6840.3	[illegible]	[illegible]	[illegible]
645	134206_f_at	0.005572	7032.1	8460.2	[illegible]	[illegible]	[illegible]
646	164838_f_at	0.005599	122.67	285	[illegible]	[illegible]	[illegible]
647	101081_at	0.005623	2832.8	3525.9	[illegible]	[illegible]	[illegible]
648	164621_i_at	0.005626	4209.67	6580.93	[illegible]	[illegible]	[illegible]
649	166118_i_at	0.005628	1599.1	2410.1	[illegible]	[illegible]	[illegible]
650	162771_at	0.005645	1480.97	1814.4	[illegible]	[illegible]	[illegible]
651	112913_at	0.005648	489.93	931.33	[illegible]	[illegible]	[illegible]
652	95081_at	0.00566	249.87	434.93	[illegible]	[illegible]	[illegible]
653	164461_f_at	0.005675	254.03	492.33	[illegible]	[illegible]	[illegible]
654	101462_r_at	0.005678	122.67	324.97	[illegible]	[illegible]	[illegible]
655	106638_at	0.005685	535.7	744.37	[illegible]	[illegible]	[illegible]
656	164988_f_at	0.005685	1025.77	1673.7	[illegible]	[illegible]	[illegible]
657	167794_f_at	0.005696	293.8	394.03	[illegible]	[illegible]	[illegible]
658	108614_f_at	0.005717	29193.9	32705.13	[illegible]	[illegible]	[illegible]
659	98525_f_at	0.005735	2463.07	3947.1	[illegible]	[illegible]	[illegible]
660	165276_r_at	0.005742	464.87	1362.1	[illegible]	[illegible]	[illegible]
661	162600_at	0.005745	415.27	582.17	[illegible]	[illegible]	[illegible]
662	93991_at	0.005752	6583.7	7901.33	[illegible]	[illegible]	[illegible]
663	96289_at	0.005768	920.67	1226.37	[illegible]	[illegible]	[illegible]
664	160805_s_at	0.005777	510.33	626.67	[illegible]	[illegible]	[illegible]
665	94047_at	0.005782	816.97	1185.7	[illegible]	[illegible]	[illegible]
666	114671_at	0.005796	439.8	570.2	[illegible]	[illegible]	[illegible]
667	102700_at	0.005804	3409.23	4645.33	[illegible]	[illegible]	[illegible]
668	95137_at	0.005805	566.57	749.37	[illegible]	[illegible]	[illegible]
669	100079_at	0.005807	2636.17	3370.53	[illegible]	[illegible]	[illegible]

Table 4

670	106572_at	0.005827	3035.8	4093	Mtmr6	AI847812	NM_144843
671	113331_at	0.005841	4354.27	5854.93	Wdr7	AI846569	XM_140391
672	100972_s_at	0.005843	2173.07	2862.8	Ccl27	AW124975	NM_011336
673	161183_at	0.005865	[illegible]	303.2		AV244370	NM_010017
674	162735_at	0.005871	300.43	437.83	Mknk1	AA655158	NM_021461
675	161363_r_at	0.005872	910.8	1417.54	Bdnf	X55573	NM_007540
676	106274_at	0.005899	788.5	1013.83	2210412D01Rik	AI835482	NM_133722
677	103894_at	0.005925	[illegible]	1130.87	Shkbp1	AW060871	NM_138676
678	136270_at	0.005938	374.43	622.6	Crhbp	AI854101	NM_198408
679	116607_at	0.00594	153.15	351.63	9130001M19Rik	AA667097	NM_001007568
680	167764_f_at	0.00599	2368.87	4642.3	Laptm5	AW121470	NM_144924
681	101492_at	0.005999	409.23	584.43	Pin1	AV357656	NM_023371
682	111976_at	0.006026	301.37	486.37	---	AA960347	NM_145943
683	100101_at	0.006034	979.57	1243.67	Snrpa	L15447	NM_021386
684	111988_g_at	0.006086	690.03	793.07	Dhx8	AI550600	NM_144831
685	99651_at	0.006094	562.73	807.17	2610209M04Rik	AI849549	NM_025665
686	170031_f_at	0.006097	485.23	672.63	---	AV300000	NM_008872
687	111889_at	0.006102	324.27	514.4	Gtf3a	AA672564	NM_011669
688	135828_at	0.006108	824.8	1149.53	LOC329416	AA574572	NM_181547
689	114122_at	0.00614	1097.7	1256.83	Anks1	AW124232	NM_181413
690	162501_at	0.006156	163.43	328.43	---	AV172042	---
691	115559_at	0.006167	443.9	610.3	2900024C23Rik	AI852706	NM_026062
692	164443_at	0.006183	150.5	343.63	---	AV107881	NM_133668
693	92771_at	0.006215	507.8	728.77	Zfp207	AB013357	NM_011751
694	165372_at	0.006215	658.4	997.13	Snrp	AV056802	NM_021386 /// NM_023878
695	163841_f_at	0.006242	580.57	813.2	---	BC031781	AI264993
696	162263_f_at	0.006271	159.4	236.97	---	AW047032	NM_008482
697	107612_at	0.006279	1505.13	1894.23	---	BC017607	AV330
698	97254_at	0.006282	366.8	464.57	Rbm8	AA690061	NM_025875
699	113564_at	0.006292	719.73	1202	1810014F10Rik	AI837984	NM_026928
700	101002_at	0.006296	2398.37	2945	Oazin	AF032128	NM_018745
701	112967_at	0.006312	3438.87	5264	Ppp1r1c	AW050351	NM_028755 /// NM_033264
702	169033_r_at	0.006325	393.63	682.7		AV151387	NM_008786
703	102727_at	0.006326	700.13	2233.63	---	AV217354	---
704	113299_at	0.006341	4085.73	5957.63	Tnnt1	AW123040	NM_172894
705	164550_f_at	0.006354	659.2	1025.63		AV299991	NM_001033573 /// NM_025883 /// XM_484749
706	97353_at	0.00636	755.1	938.3	Dab2ip	AI837497	NM_001001602

Table 4

707	129251_r_at	0.00G363	305.9	410.13	2610511M17Rik	AW047226	
708	106597_at	0.006376	327.27	449.9	Gemin7	AW049569	NM 027189
709	93390_g_at	0.006395	100.5	134.63	Proml	AF039663	NM_008935
710	138968_f_at	0.006396	3948	4482.63	Adcy5	AW121902	NM_001012765
711	109817_f_at	0.00642	1368.9	1989.67		AI893828	NM_009941
712	106502_at	0.006447	2331	3139.1	Rap2ip	AI844940	NM 016759
713	94247_at	0.006448	65.83	164.57	5730453H04Rik	AA600542	XM_621314
714	94826_at	0.00648	682.53	845.67	Itgb4bp	Y11460	NM_010579
715	101568_at	0.006487	426	563.17	1700024N20Rik	AW227620	NM_054057
716	93178_at	0.006516	5111.87	6742.97	Ngef	AW050346	NM_019867
717	104578_f_at	0.006521	1082.57	1460.1	Strm	AI195392	NM_134156
718	101854_r_at	0.006522	314.5	712.7	Bat3	AI844178	---
719	165300_i_at	0.006523	409.17	682.53		AV240127	
720	110286_at	0.006524	426.9	522.9	Maob	AI194762	NM_172778
721	105688_f_at	0.006539	2163.1	2981.6	---	AI842855	NMJ.77643
722	96951_at	0.006572	4327.4	5086	Atp6v1d	AI839795	NM_023721
723	160168_at	0.0066	552.43	676.5	Fbxo3	AW125686	NM_020593 /// NM_212433
724	102268_at	0.006619	531.07	699.83	170002IPlORik	AW123015	NM_025852 ///
725	165617_at	0.006628	616..73	907.8	Ptplb	AI608246	KM_023587
726	10998 9_at	0.006675	310..57	518.2	BC003236	AW124029	NM_030249
727	94979_at	0.006686	679..87	862.8	BC018507	AW121624	XM 358313
728	95132_r_at	0.006697	3870.33	6418.43	Ndufb2	AI852592	NM_026612
729	16194 8_f_at	0.006721	134.43	250.2	---	AV214912	
730	104115_at	0.006723	308..73	381.83	Psme4	AA867340	NM_134013
731	113671_at	0.006729	136..57	254.4	Dpys	AI786732	NM_022722
732	97917_at	0.006732	609..87	762.73	Gcn5l1	Y13778	NM_015740
733	164847_f_at	0.006736	280..57	443.63		AV367709	NM_019956
734	9252 8_at	0.006745	1234.63	2116.53	Bail	AI851724	NM_174991
735	103672_at	0.006749	377.47	493.47	---	AW122572	NM_030064
736	108565_at	0.006754	767.57	1006.03	E430002G05Rik	AI853095	NM_173749
737	95385_at	0.006771	526.63	629.83	AA408556	AI643U9	NM_199447
738	110750_at	0.006781	1052.4	1253.67	2410016O06Rik	AA756518	NM_023633
739	164280_f_at	0.006785	382.23	771.67		AV160326	NM_080595
740	130687_at	0.006786	2890.07	3786.07		AI851398	
741	160426_at	0.006787	573.1	667.6	Rpol-1	D31966	NM_009085
742	136291_at	0.006801	1107.23	1363.77		AI838424	
743	161221_£_afc	0.006806	112.07	178.6		AV253 908	NM_012055
744	103935 at	0.006838	284.6	484.47	Atp2a3	AI504474	NM 016745

Table 4

745	160350_at	0.006881	669.93	949.07	Gstz1	AW060750	NM_010363
746	103534_at	0.0069	7298.03	12812.07	---	V00722	NM_016956
747	107629_at	0.006956	1195.77	1684.57	2610010019Rik	[illegible]	[illegible]
748	94516_f_at	0.006961	1416.3	3474.57	Penk1	[illegible]	[illegible]
749	107111_at	0.006966	1203.73	1555.57	12000013I08Rik	[illegible]	[illegible]
750	164889_f_at	0.006979	160.47	345.27	---	AI837621	[illegible]
751	163590_at	0.006981	403.83	502.33	[illegible]	[illegible]	[illegible]
752	162460_f_at	0.006996	121.43	[illegible]	[illegible]	[illegible]	[illegible]
753	116947_at	0.00701	532.37	782.3	[illegible]	[illegible]	[illegible]
754	114984_at	0.00708	2005.33	[illegible]	[illegible]	[illegible]	[illegible]
755	104258_at	0.00709	663.93	[illegible]	[illegible]	[illegible]	[illegible]
756	164531_f_at	0.007102	768.1	1450.7	---	[illegible]	[illegible]
757	107220_i_at	0.00711	204.5	[illegible]	[illegible]	[illegible]	[illegible]
758	106935_at	0.007123	908.37	[illegible]	[illegible]	[illegible]	[illegible]
759	107145_at	0.007147	1346.13	[illegible]	[illegible]	[illegible]	[illegible]
760	116676_at	0.007159	3168.17	[illegible]	[illegible]	[illegible]	[illegible]
761	116414_at	0.007189	319.03	563.13	Rnf149	[illegible]	[illegible]
762	160477_at	0.007284	68.53	106.93	Ndufa4	[illegible]	[illegible]
763	97925_at	0.007285	777.07	1042.13	[illegible]	[illegible]	[illegible]
764	164497_r_at	0.007286	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
765	93874_s_at	0.007308	383.03	[illegible]	[illegible]	[illegible]	[illegible]
766	161980_f_at	0.007311	23.97	[illegible]	[illegible]	[illegible]	[illegible]
767	105497_at	0.007315	253.5	440.[illegible]	[illegible]	[illegible]	[illegible]
768	104608_at	0.007326	140.93	238.3	[illegible]	[illegible]	[illegible]
769	98563_f_at	0.007331	940.67	[illegible]	[illegible]	[illegible]	[illegible]
770	94263_f_at	0.007358	2013.67	[illegible]	[illegible]	[illegible]	[illegible]
771	92216_at	0.007361	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
772	114781_at	0.007362	344.63	525.13	Emilin3	[illegible]	[illegible]
773	132131_at	0.007372	2588.73	3206.83	[illegible]	[illegible]	[illegible]
774	106482_at	0.007377	719.7	1306.77	[illegible]	[illegible]	[illegible]
775	164195_at	0.007379	477.87	[illegible]	[illegible]	[illegible]	[illegible]
776	171391_at	0.007386	228.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
777	161070_at	0.007419	644.37	[illegible]	[illegible]	[illegible]	[illegible]
778	99019_at	0.007428	562.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
779	95120_at	0.007435	678.73	1132.2	[illegible]	[illegible]	[illegible]
780	99442_at	0.007446	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
781	104428_s_at	0.007477	791.3	[illegible]	Matk	[illegible]	[illegible]
782	164477_f_at	0.007536	[illegible]	[illegible]	[illegible]	[illegible]	NM_144528

Table 4

783	113580_at	0.007547	609.57	641.97	Cebpg	AI847655	NM_009884		
784	96114_at	0.007573	309.7	410.87	Ppp1r1a	AW122076	NM_021391		
785	96132_at	0.00758	503.2	829.9	AB023957	AB023957	XM_619546		
786	103620_s_at	0.007605	435.3	737.9	Smn	U77714	NM_011420		
787	108047_at	0.007646	446.8	546.7	2010003J03Rik	AI838379	NM_027236		
788	96864_at	0.007661	358.8	494.9	AI648866	AI848770	---	NM_207207	
789	109789_S_at	0.007674	663.83	858.13	AI550358	---			
750	167666_r_at	0.007674	548.93	926.8	AV317380	NM_173867			
791	93809_at	0.007683	1414.07	1660.8	---	Aupl	U41736	---	NM_001025446 /// NM_007517
792	106299_at	0.007685	315.43	415.77	2010103A03Rik	AI850527	NM_183316		
793	134760_at	0.007691	675.47	996.13	1500010M24Rik	AI604782	XM_129661		
794	113231_at	0.007702	184.97	265.13	1700123O20Rik	AI854099	NM_021437		
795	103497_at	0.00772	70	124.63	BC025546	AA592351	NM_14621S		
796	109079_f_at	0.007722	2889.57	4017.63	5730446C15Rik	A1853578	NM_146096		
797	169829_r_at	0.007732	537.03	936.47	AV151433	NM_013932			
798	113606_at	0.007761	568.53	697.2	Syapl	AA691068	---	NM_025932	
79?	163171_at	0.007769	1229.8	1491.1	2610204M08Rik	AW125550	NM_198411		
800	160894_at	0.007778	151.3	340.63	Cebpd	X61800	---	NM_007679	
801	160963_at	0.0078	780.9	961.67	---	9630050M13Rik	---	AI551141	XM_194000
802	92610_at	0.007803	294.43	470.47	Rdbp	M21332	NM_138580		
803	105512_at	0.007815	120.1	176.1	6330583I20Rik	AA190125			
804	107364_at	0.007815	208.13	306.83	---	AW048457			
805	154418_f_at	0.00783	529.07	730.33	---	AV0g2925	NM_147778		
806	102786_at	0.007844	3839.5	4610.7	Clc	AI849432	NM_007711 /// NM_173876		
807	168912_f_at	0.007844	13144.33	16194.93	---	AV013882	NM_010239		
808	10043 8_at	0.007851	329.4	490.73	Gprl9	U46923	---	NM_008157	
809	160572_at	0.007855	351.8	430.13	DhxL5	AF017153	NM_007839		
810	113211_at	0.007872	350.93	706.47	BC023126	AW049974	NM_015807		
811	93362_at	0.007888	8325.6	10665.77	Ap2ral	U27106	NM_009679		
812	104534_at	0.007938	137.1	177.7	Pgml	AA623874	NM_025700		
813	97200_f_at	0.007984	[illegible]	1489.83	Snrpe	X65704	NM_009227		
814	171010_at	0.007984	237.03	329.5	---	AV329897			
815	160688_at	0.007986	748.67	1033.73	Golph3	AW060175	NMJ325673		
816	161184_f_ab	0.007987	61.33	112.83	---	AV235418	---	NM_011587	
817	102124_f_at	0.007996	'312.27	529.93	AI836879	NM_0[illegible]			
818	98492_at	0.007998	513.97	679.93	Cklfsf7	AA920419	NMJ33978		
819	93844_at	0.008001	5893.87	8172.17	1500040F11Rik	AW061302	NM_025352		
820	163053 at	0.008004	1049.07	1526.43	Arhe	AA716925	NM_028810		

Table 4

821	93190_at	0.008006	195.73	260.2	---	AW209179	XM_620267
822	166274_f_at	0.008032	2952.2	3558.3	1110061L23Rik	AV280207	NM_029406
823	98350_at	0.008045	327.07	449.6	Sstr2	AF008914	NM_009217
824	103467_g_at	0.008048	536.7	778.53	---	AA790056	NM_019396 /// NM_180962
825	94348_f_at	0.008055	1991.2	2457.5	Pcmt1	AW124044	NM_008786
826	94420_f_at	0.008055	467.1	600.87	Cry1	AB000777	NM_007771
827	99126_at	0.008066	155.43	504.5	---	L04961	NR_001463 /// NR_001570
828	109728_at	0.008078	1079.1	1483.8	Rtn3	AI848741	NM_175381
829	103960_at	0.008103	2047.27	2965.63	Rap2ip	U73941	NM_016759
830	165145_s_at	0.008103	1109.57	1577.57	---	AV358817	NM_007563
831	162549_at	0.008104	1146.93	1487.17	5031400M07Rik	AI464691	NM_020586
832	95123_at	0.008123	195.63	289.6	4930566A11Rik	AI844003	NM_029468
833	109016_at	0.008171	1068.33	1299.3	---	AI891634	XM_622387
834	170475_r_at	0.008181	511.23	837.6	---	AV211425	NM_008558
835	98975_at	0.008197	75.97	119.83	2410008G02Rik	AI019999	NM_172410
836	164045_at	0.008253	492.67	664.1	---	AV342167	NM_001013792
837	102807_at	0.008254	853	1059.87	9230112O05Rik	AW048054	NM_173347
838	104386_f_at	0.00827	3210.9	4422.4	Itgav	AI843901	NM_008402
839	111826_at	0.008272	2454.3	3225.7	Wasbp	AW047181	NM_030729
840	99444_at	0.008292	326.47	450.93	Ramp2	AJ250490	NM_019444
841	95963_at	0.008326	172.63	271.17	C77370	C77386	XM_205178
842	162938_at	0.008346	1029.97	1192.9	AI836810	AI836810	NM_172988
843	97277_at	0.008358	205.13	308.4	1810015M01Rik	AI844179	NM_026933
844	116642_f_at	0.008359	236.07	359.43	2310036D22Rik	AI852563	NM_027992
845	161243_f_at	0.00836	1456	1732.67	---	AV284333	NM_022419
846	129278_at	0.008361	414.2	1038.1	Pnkp	AI049061	NM_028398
847	116942_at	0.008416	1771.9	3067.77	Picalm	AI838939	NM_146194
848	97358_at	0.008422	5096.27	5992.47	Lphn1	AI851356	NM_181039
849	96322_at	0.008437	1120.57	1309.37	Edf1	AI836001	NM_021519
850	100042_at	0.008444	842.1	1056.7	Hagh	AI837921	NM_024284
851	113070_at	0.008457	830.7	1495.5	---	AA959975	NM_019775
852	163418_at	0.008473	378.2	511.47	---	AI121731	NM_011365
853	113451_at	0.00848	1197.43	1665.5	Dnmt3l	AA919800	NM_019448
854	95109_at	0.008519	552.03	703.33	Nol5a	AW121447	NM_024193
855	166210_i_at	0.008529	5310.4	5994	AI447711	AV256897	NM_207214
856	97296_at	0.008534	180.83	234.9	Mrpl44	AW124918	XM_357108
857	92291_f_at	0.008546	66.43	168.37	Cfhl1	M29008	NM_015780
858	104135_at	0.008562	720.73	839.43	Arl3	AW045474	NM_019718

Table 4

859	115883_g_at	0.008563	489.87	664.2	Mapk11	AW060873	NM_011161
860	167732_r_at	0.008574	862.8	1477.57	---	AV207429	---
861	164228_at	0.008584	1816.87	2403.97	Ces1	AI663823	NM_021456
862	163666_at	0.008594	410.53	748.33	6330404A12Rik	AW124064	NM_025696
863	92603_at	0.008621	4782.57	5469.87	Atp6v0d1	U13840	NM_013477
864	95412_at	0.008648	562.83	789.1	Pdcd6	U49112	NM_011051
865	106837_at	0.00865	269.03	435.6	---	AW048966	---
866	101542_f_at	0.008655	1074.8	1385.53	Ddx3x	L25126	NM_010028
867	105815_at	0.008655	344.8	804.5	---	AI851880	XM_137156
868	106255_at	0.008656	1443.77	1681.4	D10Ertd516e	AI840993	XM_125901
869	94907_f_at	0.008674	2361.97	3059.23	1110001J03Rik	AW045632	NM_025363
870	164797_f_at	0.008708	2473.3	2849.73	---	AV272434	NM_026203
871	167054_at	0.00872	547.73	819.43	---	AV027113	NM_026124
872	116009_at	0.008749	241.13	293.3	---	AA623188	---
873	112356_at	0.008774	363.1	644.63	---	AW061229	---
874	130799_at	0.008775	2158.87	2552.8	9130020K17Rik	AU023960	XM_619786
875	162125_f_at	0.008796	1052.97	1445.13	---	AV305832	NM_019639
876	94400_at	0.008826	1139.27	1353.2	1110051M20Rik	AI843094	NM_175123
877	116105_at	0.008874	1330.13	1917.47	A130092J06Rik	AA739339	NM_175511
878	101694_f_at	0.008877	144.13	222.03	Myst2	W91649	NM_177619
879	96113_at	0.008886	934.9	1327.3	D18Wsu98e	AI846519	NM_178604
880	113294_at	0.008917	849.47	1149.53	2810027J07Rik	AW121913	NM_172617
881	164341_f_at	0.008918	121.67	219.2	---	AV245613	NM_181517
882	95721_at	0.008921	670.17	805.9	Mapkapk2	AW120722	NM_008551
883	112824_at	0.008924	953.2	1254.37	1110015K06Rik	AI847975	NM_026748
884	161396_f_at	0.008934	649.3	1046.87	---	AV271976	NM_173755
885	135744_at	0.008938	8318.3	14384.57	Jph3	AI849738	NM_020605
886	99925_f_at	0.008952	612.97	711.2	Tubg2	AI835567	NM_134028
887	94032_at	0.008976	1799.87	2360.63	Apoa1bp	AI845103	NM_144897
888	112313_at	0.008981	283.77	415.17	1110059G10Rik	AW123703	NM_025419
889	115844_at	0.008994	813.57	1038.47	1810008K03Rik	AI847028	NM_026929
890	164832_f_at	0.009059	1533.47	2047.67	---	AV337321	NM_172723
891	96899_at	0.009063	2941.93	3665.73	Ndufs3	AW123802	NM_026688
892	98936_at	0.009088	705.13	1003.93	Sars1	AI837395	NM_011319
893	164325_f_at	0.009116	488.1	772.53	BC006705	AV244930	NM_145404
894	103273_s_at	0.009181	207.83	362.13	Abcc8	AF037312	NM_011510
895	170984_at	0.009196	9192.43	11061.97	E330036L07Rik	AV139212	NM_144851
896	165009_f_at	0.00922	507.47	720.8	Cln2	AV000115	NM_009906

Table 4

897	94531_at	0.009239	669.77	960.67	2310005O14Rik	AW124582	NM 026452
898	101042'_f_at	0.009278	184.17	296.67	Slc7al0	U51014	NM_008820
899	116303_at	0.00933	186.07	272.83	AI115454	AA592780	NM_032000
900	94043_at	0.009332	2996.47	3261.57	Atp_apl	AB031290	NM_018794
901	115741'_at	0.009363	472.03	580.27	Pik3cb	AW125843	NM_029094
902	96610_at	0.009392	1895.97	2472.33	Atp vlh	AW046442	NM_133826
903	105402_at	0.009394	756.93	1083.57	—	AI390493	
904	105802 at	0.009397	210.77	356.6	---	AI845876	
905	113837_f_at	0.00941	689.43	896.97	Aebl3	AA183628	NM_080857 /// NM_178283
906	163690_at	0.00943	307.87	447.27	Ednra	AI481591	NM_010332
907	98129_at	0.009437	4989.9	6702.63		AI852553	NM_025284
908	AFFX-PyruCarbMur/L09192_3_at	0.009446	1084.87	1452.6	Pcx	L09192	NM 008797
909	94367_at	0.009453	258.97	338.7	AA407809	AI850362	NM .030724
910	99101~at	0.009456	1165.97	1321.33	Bif3s7	AB012580	NM_018749
911	112445_at	0.009475	494.67	609.53	Slc39al4	AI156718	NM_144808
912	93581_at	0.009478	3145.37	4082.87	Ndufb8	AI845121	NM_026061
913	105276_f_at	0.009497	694.1	1444.9		AA414644	
914	103964 at	0.009499	775.3	1002.7	Esrra	U85259	NM_007953
915	100225_f_at	0.009507	269.7	438.07	—	AA409481	NM~"008948
916	171221_at	0.009507	870.27	1054.6	Gars	AV153208	NM_180678
917	100009 r at	0.009511	1413.53	1823.27	Sox2	X94127	NM_011443
918	164990_f_at	0.009529	147.57	288.87	—	AV370077	025556
919	103247_at	0.009533	480.9	632	Mpp3	AF079366	NM_00786.
920	112703_at	0.009548	3194.8	4296.83	Eid2	AI846613	NM_198425
921	133820_at	0.009558	652.43	930.37	2810429C13Rik	AU044932	NM 176979
922	93008_at	0.009569	663.6	875.83	Lsm4	AW120557	NM_015816
923	94876~f_at	0.00958	1617.8	2019.8	Gorasp2	AI849207	NM_027352
924	92925_at	0.00958	292.43	410.87	Cebpb	M61007	NM_009883
925	109175_at	0.009554	1062.9	1433.13	2010311D03Rik	AI843827	NM_133839
926	113552_at	0.009S56	1887.6	2215.97	2810405K02Rik	AI837737	NM_025582
927	111532_at	0.009657	1331.83	1813.67	2510002C16Rik	AW123028	NM_134134
928	164992_f_at	0.009671	1619.17	2185.23		AV228551	NM_025949
929	111491_at	0.009693	363.37	595.3	Klhl2	AI848030	NM 178633
930	109424_at	0.009697	750.67	1072	2410021P16Rik	AI196754	NM_028037
931	163512^_at	0.009725	658.73	1689.77	Fosl2	AV371646	NM_008037
332	164012 at	0.009762	1174.93	1338.33	6330410P18Rik	AI156157	XM 203753
933	93975 at	0.009771	708.6	1007.9	1300002F13Rik	AI853531	NM 133753
934	116671 at	0.009771	899.87	1095.17	2700079M14Rik	AW123023	NM 145426

Table 4

935	101525_at	0.009777	2043.47	2642.67	Ndufb10	AI848871	NM_026684
936	161997_f_at	0.009783	81.37	137.07	---	AV329607	---
937	108908_at	0.009803	1631.87	1808.87	Arnt	AA222032	NM_009709
938	112850_at	0.009821	873.23	1278.03	2900002H16Rik	AW121352	NM_021430
939	168810_r_at	0.009829	562.83	744	---	AV269742	NM_138677
940	160690_at	0.009851	487.03	726.4	Csnk2a1	AW050240	NM_007788
941	167787_at	0.009858	809.13	1173.4	---	AV265048	---
942	134726_f_at	0.009859	479.03	773.57	Slc1a7	AA182154	NM_009201
943	135755_at	0.009871	524.9	832.77	2400009B08Rik	AI851656	XM_358687
944	167641_r_at	0.009908	540.07	915.6	0610012D17Rik	AV266358	NM_025329
945	161913_r_at	0.009927	7689.57	10294.83	---	AV378014	---
946	116400_at	0.009935	107.17	165.3	4632415D10Rik	AI842937	NM_030165
947	102364_at	0.009966	7584.37	11474.5	Jund1	J04509	NM_010592
948	109103_f_at	0.009981	324	466.2	1110038B12Rik	AI841088	XM_358504 /// XM_359415
949	169645_r_at	0.009984	244.33	449.73	---	AV305445	---
950	92790_at	0.01	149.83	229.73	Kpna2	D55720	NM_010655

Table 4

935	101525_at	0.009777	2043.47	2642.67	Ndufb10	AI848871	NM_025684
936	161997_f_at	0.009783	81.37	137. 07	---	AV329607	
937	108908_at	0.009803	1631.87	1808.87	Arnt	AA222032	NM_009709
938	112850_at	0.009821	873.23	1278.03	2900002H16Rik	AW121352	NM_021430
939	168810_r_at	0.009829	562.83	744		AV269742	NM_138677
940	160690_at	0.009851	487.03	726.4	Csnk2al	AW050240	NM_007788
941	167787_at	0.009858	809.13	1173.4		AV265048	
942	13472 6_f_at	0.009859	479.03	773.57	Slcla7	AA182154	NM_009201
943	135755_at	0.009871	524.9	832, 77	2400009B08Rik	AI851656	XM_358687
944	167641_r_at	0.009908	540.07	915.6	0610012D17Rik	AV266358	NM_025329
945	161913_r_at	0.009927	7689.57	10294.83	---	AV378014	
946	116400_at	0.009935	107.17	165.3	4632415D10Rik	AI842937	NM_030165
947	102364_at	0.009966	7584.37	11474.5	Jundl	J04509	NM_010592
948	109103_f_at	0.009981	324	466. 2	1110038B12Rik	AI841088	XM_358504 /// XM_359415
949	16S645_r_at	0.009984	244.33	449.73		AV305445	
950	92790 at	0.01	149 ,83	229. 73	Kpna2	D55720	NM_010655

Table 5

%Dark rearing versus control
%Upregulated in dark rearing
%Significance criterion = 0.[illegible]
%

%i	affyid	p	DR	control	gene		
1	109431_at	0.000001	1015.27	188.03			
2	130667_at	0.000001	1551.97		Epb4.1l3	AI848096	NM_013813
3	96496_g_at	0.000002	1804.17	787.3	Myt1l	U86338	NM_008666
4	104248_at	0.000003	1794.9	776.47	0610038P07Rik	AW227650	NM_026155
5	95978_at	0.000003	181.37	51.13		AA414964	XM_148700 ///XM_622655
6	112702_at	0.000003	690.83	172.67	Slc4a4	AI854341	NM_018760
7	115299_at	0.000004	1334.47	324.43	Bsn	AI426037	NM_007567
8	109408_at	0.000005	1019.33	758.7		AW046936	
9	99076_at	0.000006	1259.67	572.5	Nr1d2	U09504	NM_011584
10	129294_at	0.000006	306.83	21.67	D130005A03	AI465241	NM_001009949
11	114445_at	0.000007	5457.13	2772.9	Atp8a1	AW125151	NM_009727
12	94740_g_at	0.000008	180.57	117.57	Trpc1	U73625	NM_011643
13	101362_at	0.000009	1765.1	372.17	Mapk9	AB005664	NM_016961
14	168095_at	0.00001	1387.73	292.33	Pafah1b2	AV116776	NM_008775
15	101837_g_at	0.000011	1714.7	519.13	Ppm1b	D45859	NM_011151
16	97760_at	0.000011	1063.17	219.17	Mtap2	M21041	
17	107527_at	0.000011	3160.5	2187.3		AW121251	NM_054043
18	116912_at	0.000011	3500.63	1774.7	C530028O21Rik	AI843128	NM_175696
19	136256_at	0.000011	5537.2	3344.7		AI850930	
20	131832_at	0.000014	5546.23	2060.23	0710001E19Rik	AW121426	NM_029716 ///NM_175752
21	93648_at	0.000015	4591.37	1818.67	Prkcc	--	NM_011102
22	106896_at	0.000016	1755	475.17	Zfp10	AW049892	NM_011743
23	136760_at	0.000017	3294.23	1716.03	Dtna	AI851910	
24	95669_g_at	0.000019	5703.03	4154.53	Stmn2	AI840972	NM_025285
25	92910_at	0.000021	690.8	153.83	Arnt2	D63644	NM_007488
26	97104_g_at	0.000021	1019.27	537.9	0610038L10Rik	AF031380	NM_019437
27	139258_at	0.000021	13332.5	3207.7	Kif5a	AW050241	NM_008447
28	103275_at	0.000023	3618.8	1179.97	Atp6v0a1	AW125135 U13836	NM_016920
29	138070_at	0.000023	26107.07	16220.37	Sv2b	AW045524	NM_153579
30	104269_at	0.000024	2566.5	2013.4	Tnnt1	AB026806	NM_016908
31	163382_at	0.000024	1851.57	281.2	4121402D02Rik	AA791958	NM_028722
32	93496_at	0.000025	2412.97	1456.13	Elovl5	AI852098	NM_134255

Table 5

33	114611_at	0.000026	1774.7	416.93	Ids	AA637320	NM_010498
34	105790_at	0.000026	3650.63	1611.77	Pcdh10	AI842344	NM_011043
35	139157_at	0.000027	1937.63	1151.07	MGC79213	AI593250	NM_198625
36	106938_at	0.000028	585.6	203.1	4930469P12Rik	[illegible]	NM_010585
37	167002_at	0.000029	1796.07	719.93	[illegible]	[illegible]	NM_001014973
38	104244_at	0.00003	930.37	442.7	Mark2	AB025217	NM_019769
39	107293_at	0.000034	2733.4	1102.6	Hspa12a	AI848604	[illegible]
40	140695_f_at	0.000034	3002.8	958.2	[illegible]	AW122309	[illegible]
41	140638_at	0.000036	1297.23	747.93	[illegible]	AI550395	NM_178149
42	135796_at	0.000037	990.17	661.2	[illegible]	AI842144	NM_138677
43	93339_at	0.000038	571.1	370.97	[illegible]	[illegible]	XM_358866 /// XM_148605
44	105307_at	0.000038	2419.5	829.17	Cpeb4	AI585962	NM_026252
45	99163_at	0.000039	2823.07	1332.03	[illegible]	[illegible]	NM_018770 /// NM_207675 /// NM_207676
46	104330_g_at	0.000039	542.53	229.3	Smarcf1	AI842326	NM_007547
47	96587_at	0.000039	1867.43	349.27	Arf3	D87900	NM_007478
48	160772_i_at	0.000039	771.23	340.97	Dlllertd730e	AW214428	NM_148673
49	109123_at	0.000039	3832.97	2492.47	2900029G13Rik	AI839366	NM_175274
50	129184_at	0.000039	4436.63	1605.27	4930429L24Rik	AI414773	NM_172606
51	108576_at	0.00004	463.43	181.17	Lsm6	AI836373	XM_134104
52	133116_at	0.00004	1980.83	351.43	Edil3	AA754682	NM_010103
53	100418_at	0.000041	294	197.17	Gng2	AW123750	NM_010315
54	99645_at	0.000042	3553.47	1910.33	4921506J03Rik	AW048484	XM_356498
55	163579_at	0.000043	3509.03	1610.27	Gpr88	AI852526	NM_022427
56	134082_at	0.000047	4277.67	1006.9	Ube2n	AA866989	NM_080560
57	167905_f_at	0.000047	5701.43	1728.97	Flrt3	AV240055	NM_178382
58	166599_at	0.000048	379.97	253.57	Nr2e1	AU046154	NM_152229
59	95804_g_at	0.000049	2510.8	765.83	Ptpns1	D85785	NM_007547
60	93604_f_at	0.00005	6504.03	1017.73	Igsf4	AF061260	NM_001025600
61	171190_f_at	0.00005	1401.53	467.33	[illegible]	AV118515	NM_011857
62	130413_at	0.000051	1348.57	285.7	2310047C04Rik	AU014930	XM_148605
63	112453_at	0.000052	609.2	367.47	Edem1	AW048464	NM_018797
64	117173_s_at	0.000053	499.53	182.03	1500004A08Rik	AW125813	NM_010926
65	105787_at	0.000054	619.1	300.07	Fgd4	AI837350	[illegible]
66	135258_at	0.000054	5078.57	1045.47	[illegible]	AW048913	NM_175199
67	96606_at	0.000055	1166.7	428.73	1500003O03Rik	AI606891	NM_007928
68	103745_at	0.000056	553.77	200.87	Snx13	AW227027	[illegible]
69	93895_s_at	0.000056	1509.67	718.1	Itpr1	AW227323	NM_021284
70	132102_at	0.000056	2164.1	1057.23	[illegible]	AW123263	[illegible]

Table 5

71	92659_at	0.000057	847.03	278.5	5730402K07Rik	AF115480	NM_019688
72	163972_at	0.000058	1187.83	894.93	Pxmp4	AI648762	NM_021534
73	129436_at	0.000059	668.17	152	2900057D21Rik	C88264	NM_145221
74	92508_s_at	0.000063	400.97	115.73	Utrn	X83506	NM_011682
75	115455_at	0.000063	1287.07	372.73	---	AI875522	NM_010243
76	112680_at	0.000063	2211.8	492.23	Ssbp3	AI835469	NM_023672 /// NM_198438
77	114065_at	0.000064	8150.07	3030.8	Scrg3	AW046758	XM_193795
78	93188_at	0.000065	2628.27	1197.6	Dkk3	AJ243964	NM_015814
79	97184_at	0.000065	367.07	268.5	BC023106	AI528219	NM_145476
80	163408_at	0.000065	839.8	263.27	Apc	AW121617	NM_007462
81	164243_at	0.000065	820.93	290.43	4930515K21Rik	AI597519	NM_133817
82	103434_at	0.000066	269.07	30.73	Pscd3	AF001871	NM_011182
83	160098_s_at	0.000068	515.23	298.6	Cryab	AI842724	NM_007983
84	108893_at	0.000069	1749.83	419.23	Mef2a	AI060854	NM_001033713
85	164225_at	0.000069	805.9	201.03	Clasp1	AI616095	---
86	98890_at	0.000073	600.33	306.87	1700012G19Rik	AI848173	NM_025954
87	107928_at	0.000073	588.77	277.33	Stk2	AI874509	NM_009289
88	AFFX-TransRecMur/X57349_3_at	0.000074	1374.33	399.7	Trfr	X57349	NM_011638
89	99511_at	0.000075	1485.03	896.9	Prkcb	X53532	NM_008855
90	116697_at	0.000075	2504.77	813.07	4930415J21Rik	AA427047	NM_177767
91	100320_at	0.000076	186.93	33.4	Kpna4	AF020771	NM_008467
92	114801_at	0.000077	1230.87	610.93	---	AI846867	---
93	105584_at	0.000083	827.97	383.83	2410014A08Rik	AI604793	NM_175403
94	140851_at	0.000084	1372.9	897.97	---	AW213569	---
95	114569_at	0.000085	280.37	80.3	C630029K18Rik	AW123047	NM_144871
96	97017_f_at	0.000086	503.73	437.13	---	AW214439	---
97	166833_at	0.000088	97625.93	43465.37	Nrgn	AI837453	NM_022029
98	168346_r_at	0.000088	10192.43	3403.9	Sytl1	AV283445	NM_018804
99	105742_at	0.00009	2116.5	1097.83	Sdccag8	AI835291	NM_011785
100	103092_at	0.000091	3206.5	1120.93	Trim37	AW124316	NM_197987
101	166658_at	0.000091	2373.83	1415.47	---	AI047433	NM_010636
102	134288_at	0.000093	439.2	22.83	Macf1	AI551319	XM_110503
103	109781_at	0.000094	2038.87	951.67	D030063F01Rik	AW121178	NM_133766
104	114683_at	0.000094	2627.37	2266.83	C330002I19Rik	AW125126	XM_126866
105	107453_at	0.000094	2768.77	1875	Ube2n	AW122034	NM_080560
106	139227_at	0.000095	1845.73	852.03	1810055P05Rik	AW048554	NM_011560 /// NM_198104
107	114139_at	0.000096	586.97	157.87	---	AI843123	NM_010274
108	113045_at	0.000096	653.37	115.17	Wasl	AW210253	NM_028459

Table 5

109	130757_at	0.000096	3253.77	1020.97	1110035G07Rik	AW122018	NM_001008791 /// NM_001008792 /// NM_001008793 /// NM_001008794 /// NM_001008795 /// NM_001008796 /// NM_001008797 /// NM_001008798 /// NM_028640
110	137158_i_at	0.000097	913.9	[illegible]	[illegible]	[illegible]	[illegible]
111	106101_at	0.000098	1918	[illegible]	[illegible]	[illegible]	[illegible]
112	138205_at	0.000098	4475	[illegible]	[illegible]	[illegible]	[illegible]
113	104504_at	0.0001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
114	112820_at	0.0001	2045.23	[illegible]	[illegible]	[illegible]	[illegible]
115	117054_at	0.0001	2262.6	[illegible]	[illegible]	[illegible]	[illegible]
116	117280_at	0.0001	1822	[illegible]	[illegible]	[illegible]	[illegible]
117	166635_i_at	0.000101	810.83	80.33	[illegible]	[illegible]	[illegible]
118	99423_at	0.000102	486	[illegible]	[illegible]	[illegible]	[illegible]
119	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
120	141042_at	0.000103	1126.43	[illegible]	[illegible]	[illegible]	[illegible]
121	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
122	111518_at	0.000104	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
123	166393_at	0.000105	369	[illegible]	[illegible]	[illegible]	[illegible]
124	113546_at	0.000106	2576.27	1957	[illegible]	[illegible]	[illegible]
125	165460_at	0.000106	17678.13	[illegible]	[illegible]	[illegible]	[illegible]
126	AFFX-TransRecMur/X57349 3 at	0.000108	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
127	113933_at	0.000109	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
128	168252_f_at	0.000109	1819	[illegible]	[illegible]	[illegible]	[illegible]
129	110301_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
130	94739_at	0.000111	620.43	246.67	[illegible]	[illegible]	[illegible]
131	101757_at	0.000112	1224.2	[illegible]	[illegible]	[illegible]	[illegible]
132	110240_g_at	0.000112	1321.67	[illegible]	[illegible]	[illegible]	[illegible]
133	129225_at	0.000112	7652	[illegible]	[illegible]	[illegible]	[illegible]
134	109326_at	0.000113	5621.23	2932	[illegible]	[illegible]	[illegible]
135	106815_at	0.000115	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
136	104499_at	0.000116	355.5	[illegible]	[illegible]	[illegible]	[illegible]
137	116873_at	0.000116	3264.07	1389	[illegible]	[illegible]	[illegible]
138	106910_at	0.000117	1026	672	[illegible]	[illegible]	[illegible]
139	108305_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
140	116833_at	0.000119	1524.57	[illegible]	[illegible]	[illegible]	[illegible]
141	138127_at	0.000121	1515	[illegible]	[illegible]	[illegible]	[illegible]
142	167881_at	0.000122	2753.23	[illegible]	[illegible]	[illegible]	[illegible]
143	166137_at	0.000123	1884.83	495.03	[illegible]	[illegible]	[illegible]
144	105739_at	0.000124	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
145	111178 at	0.000124	1419.83	[illegible]	[illegible]	[illegible]	[illegible]

Table 5

146	93498_s_at	0.000125	6078.27	2278.2	Aplp2	M97216	NM_009691
147	99883_g_at	0.000125	979.83	287.63	Ids	L07921	NM_010498
148	169000_at	0.000126	[illegible]	[illegible]	Pik4ca	AV119893	NM_001001983
149	163739_at	0.000128	2869.6	[illegible]	Mef2c	AW124472	NM_025282
150	163387_at	0.000129	1927.5	[illegible]	Dpp8	AA982295	NM_028906
151	106295_at	0.00013	3232.33	2261.97	5430432P15Rik	AI843462	XM_129246
152	113431_at	0.000134	1815.47	[illegible]	Rnf14	AI121269	NM_020012
153	102277_at	0.000135	[illegible]	[illegible]	Zfp26	M36514	XM_134736
154	104249_g_at	0.000135	1160.4	193.4	0610038P07Rik	AW227650	NM_026155
155	92209_at	0.000135	815.63	386.17	Ulk1	AF053756	NM_009469
156	99893_at	0.000136	808.9	139.93	Fgf13	AF020737	NM_010200
157	95512_at	0.000137	1904.8	1419.87	Pcmt1	M60320	NM_008786
158	165696_at	0.000138	5862.3	2054.07	Dnm1l	AI450666	NM_001025947
159	163214_at	0.000139	1179.33	723.17	-	AA960020	-
160	137492_at	0.000141	1732.2	624.87	Birc4	AI606147	NM_009688
161	165556_at	0.000141	951.27	665.6	4930444A02Rik	AI854270	NM_029037
162	112732_g_at	0.000142	1824.27	937.27	Pkp4	AI315672	NM_026361
163	98864_s_at	0.000146	383.4	115	Grik2	D10054	NM_010349
164	114363_at	0.000146	6505.5	5513.23	Acvr1b	AI851648	NM_007395
165	116853_at	0.000146	3334.43	1721.87	[illegible]	AA6725[illegible]	HM_183028
166	167286_at	0.000149	2842.6	698.8	Rab11a	AV009116	NM_017382
167	140247_at	0.00015	911.63	210.3	D130060C09Rik	AI848011	NM_177054
168	94854_g_at	0.000151	7032.97	3553.6	Gnb1	U29055	NM_008142
169	110390_g_at	0.000151	564.83	210.97	Gspt1	AI785722	NM_146066
170	163558_at	0.000151	8112.3	4596.47	Faim2	AI842701	NM_028224
171	115180_at	0.000153	1026.8	185.2	0610013E23Rik	AA727727	NM_028259
172	93527_at	0.000154	1448.53	520.03	Bteb1	Y14296	NM_010638
173	105869_at	0.000156	1170.3	571.43	[illegible]	AI849944	NM_020253
174	109986_at	0.000157	768.1	403	Epm2aip1	AI648034	NM_175266
175	110641_at	0.000159	2077.33	770.37	4930438M06Rik	AI597241	HM_145564
176	111420_at	0.000161	8350.4	6084.4	Atp6v0a1	AI848960	NM_016920
177	128645_at	0.000161	1747.2	468.8	[illegible]	AW125499	XM_488300
178	112431_at	0.000162	493.47	207.43	A230103N10Rik	AI853946	NM_212484
179	102259_at	0.000164	2194.8	329.13	Ywhag	AF058799	HM_018871
180	115077_f_at	0.000166	[illegible]	[illegible]	Dbt	AA896722	[illegible]
181	116155_at	0.000166	1827.93	969.8	[illegible]	AW121754	XM_1293[illegible]75
182	93908_f_at	0.000167	876.33	392.37	[illegible]	X16670	XM_620701
183	106590_at	0.000168	5820.93	3218.17	5930405J04Rik	AW120782	NM_198160

Table 5

184	164139_at	0.000168	2143.8	699.3	Sv2b	AV266519	NM_153579
185	110642_at	0.00017	427.23	226.17	Hp1bp3	AA656401	NM_010470
186	105349_at	0.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
187	92642_at	0.000171	3194.73	[illegible]	[illegible]	[illegible]	[illegible]
188	101933_at	0.000172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
189	139156_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
190	105480_at	0.000174	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
191	93882_f_at	0.000175	571.9	152.2	Tgol[illegible]	[illegible]	[illegible]
192	140488_i_at	0.000176	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
193	106895_at	0.000177	949.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
194	136692_at	0.000178	2878.47	1420	[illegible]	[illegible]	[illegible]
195	114748_at	0.000179	1084.37	[illegible]	[illegible]	[illegible]	[illegible]
196	138922_g_at	0.00018	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
197	106015_at	0.000182	746.5	392.	[illegible]	[illegible]	[illegible]
198	111170_at	0.000182	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
199.	AFFX-GapdhMur/M32599_M_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NM_008084 /// NM_199472 /// [illegible] XM_359225 /// XM_483878 /// XM_483891 /// XM_4[illegible] /// XM_484307 [illegible]
203	110586_at	0.00019	522.37	[illegible]	[illegible]	[illegible]	[illegible]
204	105228_at	0.000194	1116.2	457.47	[illegible]	[illegible]	[illegible]
205	111540_at	0.000195	1027	[illegible]	[illegible]	[illegible]	[illegible]
206	101961_at	0.000197	1595.17	[illegible]	[illegible]	[illegible]	[illegible]
207	96747_at	0.000197	647.27	515.5	Arhu	[illegible]	[illegible]
208	111741_at	0.000202	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
209	108381_at	0.000203	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
210	92944_at	0.000204	12[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
211	114881_at	0.000204	1597	[illegible]	[illegible]	[illegible]	[illegible]
212	140418_at	0.000204	922.[illegible]	[illegible]	[illegible]	[illegible]	[illegible] /// NM_177672
213	94273_at	0.000205	1039.67	[illegible]	[illegible]	[illegible]	[illegible]
214	112781_at	0.000207	16343.83	[illegible]	[illegible]	[illegible]	[illegible]
215	167869_f_at	0.000208	13496.93	6051	[illegible]	[illegible]	[illegible] /// NM_153457

Table 5

216	132127_at	0.000209	1310.97	773.43	---	AI430959	
217	111916_at	0.00021	1653.2	1165.33	Hmg20a	AI841396	NM_025812
218	107489_at	0.00021	3153.67	1138.2	Sort1	AW047183	NM_019972
219	138965_at	0.00021	1697.23	699.6	Dgkg	AI854428	NM_138650
220	98339_at	0.000213	2622.2	986.3	Sytl1	AB026808	NM_018804
221	99023_at	0.000214	827.93	465.07	Pafah1b2	U57747	NM_008775
222	96679_at	0.000215	769.03	145.27	Dnajb9	AW120711	NM_013760
223	101447_at	0.000215	839.8	282.83	Apc	M88127	NM_007462
224	132578_at	0.000215	730.57	273.1	AK129128	AU024457	XM_127430
225	96583_S_at	0.000217	3475.17	534.3	Kif5a	AF053473	NM_008447 /// NM_008449
226	115191_at	0.000218	504.63	177.23	3732409C05Rik	AA693285	NM_026143 /// NM_027379
227	112331_at	0.000219	6646.47	4733.83	Fbxw7	AI847315	NM_080428
228	117166_at	0.000219	1980.9	869.4	Cpd	AI844013	NM_007754
229	100923_at	0.00022	395.4	192.37	Myo10	AJ249706	NM_019472
230	160934_s_at	0.00022	493.6	82.83	---	X05546	
231	96007_at	0.000222	2100.73	1435.87	0610038P07Rik	AI835359	NM_026155
232	95530_at	0-000222	1086	569.27	Gtf2a1	AW060250	
233	94388_at	0.000228	314.3	195.57	Ap3s2	U91933	NM_009682
234	110760_at	0.000229	1121.23	535.23	Zfp198	AI047555	NM_029498
235	117093_at	0.00023	672.7	339.33	C630028C02Rik	AW121637	NM_010014 /// NM_177259
236	139979_at	0.00023	2652.43	1420.37	Ndufs1	AI450646	NM_145518
237	108867_at	0.000233	2481.37	1459.6	Hnt	AW120667	NM_172290
238	132798_at	0.000234	1492.5	493.6	3526402J09Rik	AW060344	
239	97369_g_at	0.000235	629.27	227.9	Akap1	U95145	NM_009648
240	111805_at	0.000237	1919	820 3	3930401K13Rik	AA939532	NM_028720
241	99492_at	0.000238	826.87	705.33	Catnbip1	AI851990	NM_023465
242	99528_at	0.000238	477.8	160.83	Spin	AW122015	NM_011462 /// NM_1460'5
243	107922_at	0.000238	474.63	113.33	Rnf141	AI226152	NM_025999
244	99981_at	0.000239	293.6	132.73	Gnaq	M55412	NM_008139
245	114302_at	0.00024	3346.67	1963.67	Csnk1e	AI049103	NM_013767
246	165560_at	0.000245	8329.87	4944.5	BC006583	AI850946	XM_485735
247	108353_at	0.000246	1709.37	780.37	Ppp2r5a	AA764532	NM_144880
248	105547_at	0.000247	654.3	451.23	---	AA797756	
249	160111_at	0.000248	1308.93	586.1	1500010B24Rik	AI849718	NM_025437
250	167483_at	0.000248	4322.8	2511.5	Ndfip1	AV205835	XM_128893
251	98535_at	0.000251	1105.1	671.1	Comt	AF076156	NM_007744
252	104652_at	0.000252	1645.5	1027.7	Kcnk2	AI849601	NM_010607
253	135511_at	0.000252	2091.9	1054.73	1700020O03Rik	AA472944	NM_027405

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Table 5

254	163845_i_at	0.000255	906.73	378.67	9130403P13Rik	AA387607	NM_026345
255	104449_at	0.00026	5166.73	2857.3	Glrb	X81202	NM_010298
256	107277_at	0.00026	1198.83	[illegible]	Hdh	AW045728	NM_010414
257	108306_at	0.00026	[illegible]	4187.93	[illegible]	AI616225	XM_145254
258	131850_at	0.000266	[illegible]	[illegible]	[illegible]	AW123206	[illegible]
259	92947_s_at	0.000267	12583.77	8200.83	Gria2	X57498	[illegible]
260	102927_s_at	0.000268	821.67	5530.03	Hdh	L23312	NM_010414
261	163922_at	0.000269	321.57	[illegible]	Lats2	AI427338	NM_015771
262	104609_at	0.000271	931.63	[illegible]	Bscl2	AA644817	XM_355145
263	116515_at	0.000271	[illegible]	146.43	D330025I23Rik	AI509331	NM_173413
264	137692_at	0.000275	776.43	84	Akap6	AW049286	XM_484140
265	115477_at	0.000276	723.37	[illegible]	F830020C16Rik	AI006067	NM_177338
266	134102_at	0.000277	1741.43	634.07	Mdm2	AU023747	NM_010786
267	94913_at	0.000279	1356.83	613.59	[illegible]	AA409541 U65313	NM_011816
268	114896_at	0.000279	525.67	[illegible]	Glcci1	AU021420	NM_133236
269	162765_at	0.000279	916.63	[illegible]	Add3	AI852237	NM_013758
270	95664_at	0.000281	568.13	220.03	Sec14l1	AW048159	NM_028777
271	96539_at	0.000281	479.8	9301.53	1200009K13Rik	AW212071	NM_025814
272	93700_at	0.000285	6573.47	2945.9	Arf3	AI838022	NM_007478
273	112345_at	0.000285	8199.5	5485.7	Ppp1r9b	AI841610	NM_172261
274	166510_r_at	0.000285	2102.27	421.07	D130060C09Rik	AV276560	NM_177054 /// NM_199038
275	131873_at	0.000294	2415.17	[illegible]	Gabra2	AW124947	NM_008066
276	111232_at	0.000297	770.07	80.57	2410018I08Rik	AW123718	NM_177561
277	97793_at	0.000298	640.63	168.9	Gria3	AB022342	NM_016886
278	100365_at	0.000298	250.7	31.07	Syt7	AB026804	NM_018801 /// NM_173067 /// NM_173068
279	138199_i_at	0.000298	2361.97	1067.47	D130029J02	AW048648	XM_150103 /// NM_178072
280	131405_at	0.000299	5714.6	3097.17	4930526B11Rik	AI851634	XM_204287
281	105423_at	0.000306	415.03	116.77	Rcbtb1	AI662508	NM_027764
282	160344_at	0.000307	1042.07	723.17	Npc2	AB021289	NM_023409
283	137987_at	0.000308	822.1	347.6	Rasgrf1	AI844718	NM_011245
284	137611_at	0.00031	4783.93	1667.27	4931406N15Rik	AI837243	NM_027629
285	112432_at	0.000312	2816.87	2191.1	Satb1	AW045567	NM_009122
286	136221_at	0.000312	2838.4	479.43	Slc4a10	AI835684	NM_033552
287	138565_at	0.000313	2856.07	2220.77	[illegible]	C85956	NM_019445
288	98004_at	0.000319	1061.37	[illegible]	Pkia	M63554	NM_008862
289	167218_at	0.000321	4804.4	2210.83	A130073L17Rik	AI837419	XM_126776
290	112817_at	0.000322	845.57	5520.93	1810031K17Rik	AI854054	NM_026977
291	106181_at	0.000324	14637.77	14997.03	Ndr4	AI853311	NM_145602

Table 5

292	132021_at	0.000325	2622.4	570.1	C630030B20	AI429239	XM_357332
293	113595_at	0.000329	859.3	341.27	5330414D10Rik	AI852519	NM_153594
294	162991_at	0.000329	2713.83	1723.3	9130213B05Rik	AW108293	NM_145562
295	136105_at	0.000334	1686.23	853.83	Prdx1	AI845509	NM_011034
296	164005_at	0.000336	4891.2	2070.17	Spg3a	AV326112	NM_178628
297	106462_g_at	0.000338	837.87	352.67	5730402K07Rik	AI842094	NM_019688
298	136664_at	0.000339	552.63	182.83	Slc17a6	AI847452	NM_080853
299	138547_at	0.00034	6422.33	1552.33	Adcy1	AI849749	NM_009622
300	111427_at	0.000341	2260.03	852.1	D030028O16Rik	AI852560	NM_145984
301	117224_g_at	0.000342	2888.67	885	AI843176		
302	108995_at	0.000342	966.67	444.77	BC030477	AA763904	NM_177618
303	97908_at	0.000349	2402.13	1944.87	1110007A06Rik	AW120676	NM_024288
304	99897_at	0.00035	891.73	306.9	Gabrb3	U14420	NM_008071
305	115117_at	0.00035	648.8	181.02	Ubqln2	AW047574	NM_018798
306	106455_at	0.00035	16418.9	7427.33	2900052E22Rik	AI846460	NM_182993
307	138421_at	0.00035	1631.87	857.23	Luzp1	AW125183	NM_024452
308	111414_at	0.000356	2090.5	1031.07	AI663987	AI840109	NM_033526
309	114061_at	0.000357	1115.87	518.67	Ppp2r5e	AI851550	NM_012024
310	130540_at	0.000359	7102.3	1331.17	D9Bwg0185e	AI845726	NM_173781
311	101140_at	0.00036	221.63	144.87	Htr1a	U39391	NM_008308
312	95614_at	0.000361	955.6	318.83	Cbx5	AI852086	NM_007626
313	163304_at	0.000361	471.5	320.1	Jraj	AW124791	NM_321878
314	99160_s_at	0.000363	7377.87	4792	1110025J15Rik	AW227647	NM_023168
315	107056_at	0.000363	1332.17	373.1	4931406N15Rik	AI837680	NM_027629
316	140696_f_at	0.000363	2946.9	443.06		AI837604	
317	AFFX-PyruCarbMur/L09192_5_at	0.000367	1047.43	606.07	Pcx	L09192	NM_008797
318	93711_at	0.000368	1170.37	304.93	Sec23a	D12713	NM_009147
319	92294_at	0.00037	591.5	190.37	2810410P22Rik	AW060793	NM_182994
320	169258_i_at	0.000372	3470.2	1262.87	4631427C17Rik	AV296904	NM_021414
321	95393_at	0.000373	1252.97	358.3	Btbd3	AI503362	NM_001025431 /// NM_145534
322	116857_at	0.000377	12925.97	5727.4	Mtap1a	AI854162	XM_619804
323	94341_at	0.000378	1046.13	769.63	Jmj	D31967	NM_021878
324	163828_at	0.000378	689.77	369.27	AW556347	AW123626	NM_183186
325	135199_at	0.000378	883.63	212.4	Tnfrsf19	AI551729	NM_013869
326	138046_at	0.000381	1537.77	1178.07		AI843878	NM_133934
327	164000_at	0.000384	1426.23	751.57	1110018G07Rik	AI596405	NM_178065
328	138987_g_at	0.000384	2107.8	937.2	Centg3	AI847278	NM_139153
329	100398_at	0.000385	2257.63	124.9	Kif3a	D12645	NM_008443

Table 5

330	111112_at	0.000385	1354.93	285.83	Hspal2a	AW124720	NM_175199
331	108865_at	0.000388	498.9	285.03	---	AW146426	---
332	93163_at	0.000392	5100.8	3202.41	Gabrg2	M62374	NM_008073 /// NM_177408
333	113696_at	0.000393	237.53	70.5	Ireb2	AA793873	NM_022655
334	112707_at	0.000393	614.47	347.97	Tnrc15	AW261668	NM_146112
335	113031_at	0.000394	1200.57	300.43	[illegible]	AI132545	NM_172522
336	163838_at	0.000396	1869.77	1088.4	Mtmr4	AA543943	NM_133215
337	115153_at	0.000398	1430	782	Zfp148	AI789647	NM_011749
338	135743_at	0.000398	2344.53	650.23	[illegible]	AI849654	NM_010103
339	104052_at	0.000402	1711.63	1208.43	1810011K17Rik	AI840921	NM_145513
340	95601_at	0.000403	1261.93	606	Ubqln1	AW125420	NM_026842 /// NM_152234
341	163538_at	0.000403	124.8	57.53	Fem1c	AI593805	NM_173423
342	166551_at	0.000405	7197.1	3511.53	Mtap1a	AI413403	XM_194040
343	138451_at	0.000407	7605	3063.07	4831417L10	AI852890	
344	100510_at	0.000408	13068.83	4146.97	Sncb	AI839708	NM_033610
345	110267_g_at	0.000409	3009.73	2269.53	2900010D03Rik	AI153089	NM_201226
346	114322_at	0.00041	5420.6	3840.87	C330021A05Rik	AI843036	NM_153082
347	113684_at	0.000413	1617.2	1335.63	Ncbp2	AI847503	
348	117111_at	0.000416	303.97	136.33	AI605202	AI837669	NM_207209
349	100323_at	0.000418	3460.33	1382.7	[illegible]	Z23077	NM_007444 /// NM_009665 /// XM_483892 /// XM_619503
350	98439_at	0.00042	547.63	207.43	2610318I15Rik	AW049356	NM_028259
351	96563_at	0.00042	439.67	170.57	2810030C21Rik	AI414051	XM_131566
352	106920_at	0.00042	2360.43	1587.3	Ncoa1	AI841750	NM_010881
353	165743_at	0.000421	14084.1	8165.3	Syn2	AI836018	NM_013681
354	115347_at	0.000422	694.23	408.7	2700078E11Rik	AI639571	NM_030197
355	138057_at	0.000424	1697.1	476.53	1500003N10Rik	AI837225	NM_001007154 /// NM_028806
356	132374_at	0.000425	7160.73	1927.8	2900042B17Rik	AI467276	NM_172653
357	106080_at	0.000426	6044.47	3825.43	Trim37	AW125666	NM_197987
358	92890_at	0.000429	1440.27	412.67	Kif1a	D29951	NM_008440
359	162689_at	0.000431	2918.67	1041.63	Rbm9	AI840070	NM_053104 /// NM_175387
360	166598_r_at	0.000432	1089.83	681	Pip5k3	AV290541	NM_011086
361	166370_at	0.000433	1836.97	394.1	Scamp1	AW120713	NM_029153
362	101198_at	0.000439	6689.77	3970.63	Cplx1	D38614	NM_007756
363	109143_at	0.000441	2910.9	1233.03	2410127E18Rik	AI848362	NM_029742
364	107914_at	0.000441	1446.3	671.27	9130213B05Rik	AW120948	NM_145562
365	111200_at	0.000442	170.4	109.	Parva	AA726446	NM_020606
366	111293_at	0.000445	160.93	22.43	5832424M12	AI037539	NM_172591
367	160871_at	0.000447	629.57	170.37	Kif1b	AB023656	NM_008441 /// NM_207682

Table 5

Table 5

368	94645_at	0.000448	281.6	52.8	Gabra3	M86568	NM_008067
369	105841_at	0.000448	618.57	135.77	9030612M13Rik	AI839453	NM_172458
370	112695_at	0.00045	1011.3	594.27		AW259285	
371	98915_at	0.000452	715.9	198.77	Rnf149	AI849082	
372	136679_at	0.000456	1136.53	280.77	Bicd1	AI852443	NM_009753
373	104031_at	0.000458	398.53	288.87	PtCh	U46155	NM_008957
374	116868_at	0.000459	3944.53	2004.33	Pja2	AI849505	NM_001025309
375	105223_at	0.000459	433.43	147.93	9530003A05	AI849923	XM_129375
376	111103_at	0.000459	1173.03	619.57	A030003E17Rik	AI021244	
377	98307_at	0.000461	598.93	279.9	Rasgrp1	AF106070	NM_011246
378	93360_at	0.000466	1509.57	1005.43	Pmm1	AF007267	NM_013872
379	105205_at	0.000467	964.07	311.1	1110007A06Rik	AA467067	NM_024288
380	111628_at	0.000472	1339.67	758.63	D10Ertd516e	AA415523	XM_125901
381	117024_g_at	0.000473	1528.47	430.27	Alg2	AW121030	NM_019998
382	107784_at	0.00048	582.4	344.3	3830408P04Rik	AA790926	NM_023647
383	115657_at	0.000482	548.47	86.43	-	AA217038	NM_009784
384	138970_at	0.000482	5093.87	3884.2	B830017A01Rik	AW123948	XMJL32047
385	104222_f_at	0.000486	571.5	231.6	Ggps1	C79210	NM_010282
386	112244_at	0.000487	353.8	182.33	1110018F06Rik	AI158684	XM_148904
387	168022_at	0.000489	1018.03	408.97		AV260075	
388	99049_at	0.00049	566.43	362.37	- Casp2	D28492	NM_007610
389	AFFX-TransRecMur/X57349_3_at	0.000493	359.8	134	Trfr	X57349	NM_011638
390	136666_at	0.000496	393.6	51.73	6330567E21Rik	AI848649	XM_357781
391	136535_at	0.000498	2545.47	1366.93	4930420O11Rik	AI642422	XM_283179
392	134758_at	0.000498	832.57	404.27	Hrb	AI666718	NM_010472
393	162527_s_at	0.000499	2123.5	1652.97	0610038L10Rik	AI848937	NMJH9437
394	96191_at	0.0005	1979.7	1555.73	D130059B05Rik	AI852124	XM_129376
395	112350_at	0.000501	893.07	278.73		AA739089	XM_486359
396	165462_at	0.000509	5974.67	3526.87	Clcn2	AW048146	NM_133778
397	93881_i_at	0.000511	232.33	43.03	Tgoln1	D50032	NM_009443 /// NM_009444
398	92243_at	0.000512	1143.9	907.03	1810017N16Rik	AA117417	XM_356186
399	104557_at	0.000513	1372.63	796.4	Pitpnb	AI847097	NM_019640
400	94354_at	0.000519	1371.27	1032.6	Glg1	AI847926	NM_009149
401	110069_at	0.00052[illegible]	1657.17	602.2	0438D12Rik	AW123500	NM_175212
402	137360_at	0.000522	2134.03	1002.5	PfC	AW123311	NM_007922
403	136206_at	0.000522	12953.4	6320.63		AI853974	XM_148399 /// XM_148583 /// XM_488775 /// XM_622736
404	102936_at	0.000523	1123.13	542.43	- B4galt6	AW125314	NM_019737
405	108560_at	0.000524	4351.57	3112.8	-	AI849518	NM_026673

Table 5

406	163628_at	0.000528	1164 .2	784.03	2810019K23Rik	AW124815	NMJ327268	
407	93806_at	0.000531	1185 .23	904.67	Sh3bgrl	AI848671	NM_019989	
408	115808_at	0.000531	1183 .9	622.53	Ppmla	AW046655	NM_008910	
409	116963_at	0.000531	3139 .9	1682.87	Freg	AW125370	NM_019681	
410	163692_at	0.000534	1852 .37	731.7	W84305	NMJL33195		
411	109020_at	0.000546	1391 .97	911.8	Zfp216	AW122093	NM_009551	
412	109475_at	0.000546	637.87	180.47	Dlgh2	AA250296	NM_011807	
413	112282_s_at	0.000547	1412.7	721.27	Snxl	AI154073	NM_019727	
414	160859_S_at	0.000549	557.4	257 .67	N fib	Y07685	NM_008687	
415	117023_at	0.000552	991.37	497.17	Alg2	AW121030	NM_019998	
416	166012_at	0.000558	4066.17	2857.57	Slc38a2	AV031649	NM_175121	
417	117048_at	0.000564	3476.63	1922.9	0710001E13Rik	AI853636	NM_028755	/// NM_033264
418	110305_at	0.000565	948.27	606.3	Manlb	AA960561	NM_010763	
419	134135_r_at	0.000572	2811.9	1356.43	Neurl	AI450910	NM_021360	
420	166904_at	0.000573	2084.23	1139.27	2410012C07Rik	AW046085	NM_177261	
421	114861_at	0.000574	480.17	62.67	9630005B12Rik	AI608153	NM_013862	
422	109946_at	0.000578	12452.33	7446.67	Cds2	AW048308	NM_138651	
423	165766_at	0.000581	4235.9	2303.57	MGC67646	AW121232	NM_198610	
424	93056_g_at	0.000587	2771.13	1506.5	1110054N06Rik	AW049376	NM_175134	
425	163507_at	0.000589	962.47	316.73		AW122375	NM_178615	
426	94454_at	0.000591	1245.43	930.27	Dazap2	AF085348	NM_011873	
427	138075_at	0.000591	6099.07	2946	Mapk9	AI852504	NM_016961	/// NM_207692
428	107900_at	0.000592	446.23	207.67	Erbb2ip	AW123S54	NM_001005868	/// NM_021563
429	97998_at	0.000596	1196.5	428.73	Drpla	AC002397	NM_007881	
430	101294_g_at	0.000597	326.03	248.57		Z84471	NM_008062	/// NM_019468
431	106250_at	0.000603	6352.23	2295.7	2310067G05Rxk	AI851655	NM_025877	
432	110753_at	0.000603	894.47	258.53	2700078EllRik	AA763880	NM_030197	
433	110191_at	0.000604	549.5 206 77		1110007A06Rik	AW125795	NM_024288	
434	139232_at	0.000604	6386.77	4881.1		AI853452	NM_001005424	
435	92763_at	0.000607	94.6	16 6.7	Abcb7	U43892	XM_356348	
436	113425_at	0.000609	4291.87	1276.27	Ppplr9a	AA98644 477	NM_181595	
437	162520_at	0.000615	2740.3	1036.7	Tnfaipl	AI64414 499	NM_009395	
438	136688_at	0.000616	1600.77	658.77	Ppmll	AI853934	NM_178726	
439	96607_at	0.000618	1537.97	951.07	1500003O03Rik	AW124902	NM_019769	
440	92393_at	0.000618	312.67	104.27	Kcna3	M30441	NM_008418	
441	133130_at	0.000619	1051.8	302.47	Scn3b	AW120594	NM_JL53522	/// NM_178227
442	94161_at	0.000627	1653.67	546.87	Prkce	AF028009	NM_011104	
443	130290 at	0.000627	2324.93	1034.3		AW045806	XM_618813	

Table 5

444	92946_f_at	0.00053	1884.43	1070.27	---	L32372	NM_013540
445	112835_at	0.000532	1733.27	1165.37	Cog4	AI840978	NM_133973
446	95138_at	0.000633	797.53	567.4	1110018O08Rik	AI836568	NM_178398
447	140490_at	0.000534	7291.1	1931.9	Pcsk2	AW120478	NM_008792
448	92449_at	0.000636	363.27	130.2	Gfra2	AF002701	NM_008115
449	AFFX-GapdhMur/M32599_5_at	0.000636	107421.83	71205.63	Gapd	M32599	NM_001001303 /// NM_001001978 /// NM_001029931 /// NM_008084 /// NM_199472 /// XM_139510 /// XM_204942 /// XM_356116 /// XM_356954 /// XM_483891 /// XM_484256 /// XM_484345 /// XM_484436 /// XM_484732 /// XM_485043 /// XM_485318 /// XM_485562 /// XM_485937 /// XM_486133 /// XM_486623 /// XM_486720 /// XM_487067 /// XM_618821 /// XM_619006 /// XM_619144 /// XM_619236 /// XM_619350 /// XM_619822 /// XM_619825 /// XM_619956 /// XM_619966 /// XM_620482 /// XM_620523 /// XM_620532 /// XM_621075 /// XR_000341
450	139220_at	0.000637	459.57	145.63	5730509K17Rik	AW046362	NM_172274
451	162862_at	0.000638	1541.07	982.93	1500004C10Rik	AW122442	NM_023824
452	106168_at	0.000639	8151.4	3139.7	Cplx2	AI848132	NM_009946
453	95924_at	0.00064	370.67	179.5	1700012B15Rik	AA473729	NM_028796
454	96211_at	0.000643	1611.37	948.27	Dpp8	AI846896	[illegible]
455	135242_at	0.000646	2448.87	317.17	---	AI839257	NM_174997
45S	99515_at	0.000647	994.33	324.77	Ap2b1	AW046293	NM_027915
457	160766_at	0.000647	289.07	196.07	Cd2bp2	AA733868	NM_027353
458	101977_at	0.00065	6199.2	4347.4	Nudt3	AW121873	NM_019837
459	117036_at	0.000653	4438.63	2512.77	Dpi	AI849637	NM_007874
460	101419_at	0.000656	12958.4	8854.33	Tubb4	M28730	NM_009451
461	115771_at	0.000656	831.7	213	2210409H23Rik	AI930289	NM_175380
462	166303_i_at	0.000657	467.6	294.0	Wnt5a	AW045478	NM_009524
463	104503_at	0.000661	204.17	145.6	6030436C20Rik	AI563623	NM_178654
464	92433_at	0.000661	731.57	280.6	Kif5c	AF067180	NM_008449
465	99338_at	0.000661	498.7	255.63	D10Ertd516e	AA674798	XM_125901
466	107374_at	0.000663	915.13	[illegible]	2610002M06Rik	AW046865	[illegible]
467	112362_at	0.000667	1471.97	563.63	Sorl1	AI845170	NM_011436
468	164295_i_at	0.000667	2247.2	594.43	B230106I24Rik	AV231065	NM_178772
469	109368_at	0.00067	3723.7	2616.87	Elmo1	AI840476	NM_080288 /// NM_198093
470	162632_at	0.000674	811.93	557.27	4833405E05Rik	AA619039	NM_175353
471	136200_at	0.000675	1245.4	209.2	Tmod2	AI853421	NM_016711
472	138208_at	0.000677	1056.43	248.93	[illegible]	AW050216	NM_182995
473	110370_at	0.000681	488.5	140.87	Flrt3	AI447780	NM_178382
474	108538_at	0.000685	1832	1201.17	Ranbp2	AA726512	NM_011240
475	168159_at	0.00069	2856.9	2004.4	[illegible]	AI152637	[illegible]
476	138476_at	0.000691	5784.83	3483.73	Lass6	AI851865	NM_172856
477	97960_at	0.000693	1290.57	502.03	Usp22	AW125800	NM_001004143

Table 5

478	133885_at	0.000695	1392.07	539.97	---	AA168645	---
479	110457_at	0.000696	3201.57	1994.2	Hlf	AW123178	NM_172563
480	105624_at	0.000701	1393.67	618.	[illegible]	[illegible]	[illegible]
481	163616_at	0.000702	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
482	167282_i_at	0.000703	6227.67	3854.03	[illegible]	[illegible]	[illegible]
483	99014_at	0.000706	5986.5	4583	[illegible]	[illegible]	[illegible]
484	111145_at	0.000706	826.6	310.	[illegible]	[illegible]	[illegible]
485	117125_at	0.000707	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
486	110974_at	0.00071	503.17	281.	[illegible]	[illegible]	[illegible]
487	163536_at	0.000714	1046	[illegible]	[illegible]	[illegible]	[illegible]
488	138084_at	0.000715	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NM_001006669 /// NM_00100667							
NM_001006680 /// NM_010611							
489	94641_at	0.000717	335.73	188.7	[illegible]	[illegible]	[illegible]
490	93976_at	0.000718	1774.9	1220	[illegible]	[illegible]	[illegible]
491	-135927_at	0.00072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
492	101684_r_at	0.000723	728.13	[illegible]	[illegible]	[illegible]	[illegible]
493	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
494	97722_at	0.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
495	105411_at	0.000725	3974	513.	[illegible]	[illegible]	[illegible]
496	160392_at	0.000728	721.43	440.7	[illegible]	[illegible]	[illegible]
497	140885_at	0.000735	14653.4	10832.13	[illegible]	[illegible]	[illegible]
498	169012_s_at	0.000735	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
499	111726_at	0.000739	635.27	303.	[illegible]	[illegible]	[illegible]
500	115798_at	0.00074	428.97	269.	[illegible]	[illegible]	[illegible]
501	116147_at	0.000742	1397.23	[illegible]	[illegible]	[illegible]	[illegible]
502	114608_at	0.000744	572.	[illegible]	[illegible]	[illegible]	[illegible]
503	114842_g_at	0.000746	2523.93	1668.97	Nf1	AA855356	NM_010897
504	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
506	111168_at	0.000748	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
507	110110_at	0.000749	1236	[illegible]	[illegible]	[illegible]	[illegible]
508	94208_at	0.000755	1067	[illegible]	[illegible]	[illegible]	[illegible]
509	116576_at	0.000761	302.	[illegible]	[illegible]	[illegible]	[illegible]
510	98136_at	0.000762	951.43	[illegible]	[illegible]	[illegible]	[illegible]
511	104282_at	0.000763	440.33	[illegible]	[illegible]	[illegible]	[illegible]
512	113565_at	0.000767	6022.93	[illegible]	[illegible]	[illegible]	[illegible]
513	94143_at	0.000771	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 5

514	95457_at	0.000774	2823.77	1775.3	1110001C20Rik	AI854214	NM_177730	
515	161171_at	0.000778	369.33	236.17	---	AV226788	NM_008748	
516	129017_at	0.000779	1884.93	855.13		AU017833	XM_354869	
517	133499_at	0.000783	3039.43	1326.2	Whscl	AI449553	XM_132006	
518	115891_at	0.000785	1563.13	754.9	4930402H24Rik	AI481691	NM_029432	
519	97198_at	0.000786	267.97	43.37	Abcal	X75926	NM_013454	
520	92477_at	0.000787	1397.83	912.5	Spin	AA681862	NM_011462 /// NM_146043	
521	108747_at	0.000789	792.27	384.4	---	AI553620		
522	97471_at	0.000796	1545.17	1042.7	2310016N05Rik	AI848442	NM_028840	
523	99035_at	0.000798	282	162.23	Pcytla	U84207	NM_009981	
524	107774_at	0.0008	622.5	216.47	Tm4sflO	AI836428	NM_138751 /// NM_175771	
525	117012_g_at	0.000802	2978.43	1095.03	Epb4.1l3	AW105743	NM_013813	
525	110239_at	0.000804	472.13	162.67	2210402G22Rik	AW124610	NM_144516	
527	110790_at	0.000806	1221.87	521.73	Gucyla3	AW121879	NM_021896	
528	117120_at	0.000806	1386.1	600	L3mbtl3	AW124145	NMJ.72787	
529	116376_at	0.000807	5438.5	3051.73	BC003498	AI846073	NM_030263	
530	138003_at	0.000808	2847.7	2076.07	Necll	AI848148	NM_053199	
531	105458_at	0.000809	747.53	506.77	9830132G07Rik	AI316857	NM_172643	
532	99477_at	0.00081	416.83	156.77	Gngl2	AI842738	NM_025278	
533	129856_at	0.000814	5379.7	2278.77	Adcyaplrl	AW060198	NM_001025372 /// NM_007407	
534	137565_at	0.000818	1581.87	803.6		AI482346	NM_025965	
535	111105_at	0.000819	225.77	78.1	4921524P20Rik	AI050373	NM_026641	
536	101966_s_at	0.00082	1303.43	549.13	Rnfl3	AF037206	NM_011883	
537	96580_at	0.000824	272.27	133.07	PbX3	AF020199	NM_016768	
538	114389_at	0.000827	6321.97	4552.2	Gabrb3	AI849425	NMJ308071	
539	168147_s_at	0.000831	4499.87	1120.2	Dcamkll	AV209156	NM_019978	
540	138466_at	0.000836	816.03	349.83		AI848373		
541	999S0_at	0.000838	1454.77	776.67	Map2k4	U18310	NM_009157	
542	111405_at	0.00084	638.97	423.57	AI450344	AI847396	NM_178917	
543	100113_S_at	0.000843	3385.73	2561.2	Kifap3	D50367	NM_010629	
544	105953_i_at	0.000843	1034.37	686.73	G630013P12Rik	AW125203	XM_127501 /// XM_619147	
545	94463_at	0.000844	1400.37	564.73	Clcn3	X78874	NM_007711 /// NM_173876	
546	96273_at	0.000847	8334.53	4552.2	Nrgn	AI841709	NM_022029	
547	98403_at	0.000848	1937.0	1304.53	Gna-rsl	X65026	NM_008136	
548	115820_at	0.000848	2013.23	909.2	Navl	AI852255	NM_173437	
549	107956_at	0.000851	400.03	163.07	1700034P14Rik	AA675638	NM_028487	
550	163540_i_at	0.000856	1807.33	887.23	4930438D12Rik	AA839266	NM_175212	
551	113932_g_at	0.000863	1495.63	984.8	AA959742	AW230677	NM_133807	

Table 5

552	117192_at	0.000868	403.47	104.67	2610204M12Rik	AW048378	NM_019426
553	166724_at	0.000869	2342.3	1496.2	Wwox	AI847565	NM_019573
554	103318_at	0.000872	288.53	188.37	Gabpbl	M74516	NM_010249 /// NM_207669
555	171396_at	0.000872	998.5	485.37		AV301383	NMJ.33752
556	111887_at	0.000874	2380.57	1899	Ube2jl	AA726802	NM_019586
557	99001_at	0.000877	478.13	210.07	Zfp292	AF017806	XM_620009
558	98905_at	0.000879	10004.8	5854	7-Sep	AJ223782	NM_009859
559	131856_at	0.000879	3022.17	1016.53	---	AW123974	
560	133703_at	0.000881	1269.3	787.47	A030012M09Rik	AI462192	NM_183028
561	116564_at	0.000882	821.97	654.2	1500031A17Rik	AW125276	XM_130797
562	99800_at	0.000883	512.23	58.27	Llcam	X12875	NM_008478
563	93861_f_at	0.000886	552.03	283.53	---	M17327	NM_007799
564	114359_at	0.000888	1902.83	757.73	Mpvl7l	AW049341	NM_033564
565	107399_at	0.000888	1267.3	577.47	9530039J15Rik	AW060961	NM_030138
566	104673_at	0.000889	902.73	370.67	Epha4	X6513B	NM_007936
567	112159_at	0.00089	485.43	291.53	Stambp	AW044727	NM_024239
568	137045_at	0.00089	1313.5	582.9	Epb4.Ill	AI836271	NMJ01003815 /// NM_001006664 /// NM_013510
569	138798_afc	0.00089	1668.43	933.5	D10Ertd516e	AI644073	XM_125901
570	93664_at	0.000901	1123.93	404.47	Atplb2	X16645	NM_013415
571	104373_at	0.000902	400.27	195.4	Aprin	AW04S876	NM_175310
572	160603_at	0.000903	724.5	228.13	Pparbp	AF000294	NM_013634 /// NM_134027
573	110650_at	0.000903	3143.87	2539.2	Nripl	AA959574	NM_173440
574	94719_at	0.000904	255.93	80.43	Kcna	M96688	NM_013568
575	110202_at	0.000914	2861.73	1350.07	Zfpl48	AA656577	NM_011749
576	101385_afc	0.000916	2361.67	1761.73	Mbd3	AW047312	NM_013595
577	113908_at	0.000918	1342.83	1020.17	Alcam	AI853494	NM_009655
578	164227_at	0.000919	642.33	450.93	---	AV276161	XM_484601
579	112918_at	0.000924	4555.2	2967.33	LOC212285	AI842563	XM_132099
580	93212_at	0.000925	515.63	183.23	AW742319	Z97207	NM_021345
581	133141_at	0.000929	3076.83	1627.2	Slc25al6	AW122946	NM_175194
582	103264_at	0.000932	383.53	176.97	Mtmrl	AF073997	NM_016985
583	102305_at	0.000933	3379.73	2491.6	Gpr3711	AB016602	NM_134438
584	111940_at	0.000934	3484.93	2434.2	8430423A01Rik	AW047744	NM_175294
585	97368_at	0.00094	1223.53	831.1	Akapl	U95145	NM_009648
586	95731_at	0.000943	1550.47	1172.47	Sesnl	AI843106	NM_001013370
587	104260_at	0.000944	1923.9	1600.63	---	AW123061	
588	162961_at	0.00097	1672.13	950.63	1500005J14Rik	AI835531	NM_028058
589	160393_at	0.000979	1678.7	1153.37	4930555LllRik	AI853226	XM_284250

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Table 5

590	95785_s_at	0.000982	1932.3	968.77	---	Y13361	NM_009005
591	11543 5_at	0.000982	2594.03	1476.3	Bcr	AW125149	XM_125706
592	102573_at	0.000985	584.83	223.1	---	U56651	NM_008751
593	114481_at	0.000986	372.57	108.97	Agps	AI007022	NM_172666
594	135813_at	0.000986	1624.73	1185.17	A830091N21Rik	AI848290	NM_146140
595	112961_at	0.000993	120.37	16.7	4733401N12Rik	AI256641	NM_001013391
596	116126_jat	0.000994	970. 1	300.23	Npnt	AA682063	NM_00102983 6 /// NM_033525
597	107877_at	0.000995	340.9	120.43	Sacmll	AW125412	NM_03.0692
598	160480_at	0.001009	3507.7	2098.7	Ptprs	X82288	NMJU1218
599	U5469_at	.001009	1122.83	400.97	E030026I10Rik	AI836780	NM_008687
600	166535_r_at	.001009	6843	3033, 13	1700020I14Rik	AA718150	XM 488956
501	96333_g_at	.00101	1405.23	911.77	Snx2	AW259199	NM_026386
602	138963_r_at	.001013	5011.7	1696.57		AI846642	
603	138402_at	0.001013	2417	848.83		AW123197	NMJL77907 /// NM_178906
604	105107_at	0.001015	3651.2	2367.57	C330018B01	AW121339	NM_172948
605	134241_at	-0.001016	700.27	374.13	C330039G02Rik	AA656737	NM_172699
606	131020_at	0.001022	3587.33	2383.53	Ap3b2	AW121779	NM_021492
607	93634_at	0.001023	1541.1	809.6	Fbxwlb	AW1251S7	NM_134015
608	92426_at	0.001024	889.27	658.67	Tm4sf9	AI877157	NM_019571
609	93921_at	0.001024	1640.67	845.23	Bat3	AI573601	NMJ357171
610	171206_f_at	.001024	3738.83	2893.2		AV145515	XM_134542
611	112245_at	.001027	356.03	135.8	---	AW122302	XM_355205
512	150117_at	.001029	3476.2	1603.27	Tef	AI850638	NM_017376 /// NM_153484
613	93164_at	.001031	172.6	22.87	Rnf2	Y12783	NM_011277
614	103746_at	.001033	257.63	61.63	Dll Ertd530e	AA797843	NM_199196
615	134345_at	0.001034	1016	732.37	---	AI586144	
616	100566_at	0.001035	2136.9	969.9	Igfbp	L12447	NM_010518
617	116164_at	0.001035	815.73	493.2	Pde4a	AW045844	NM_ 019798 /// NM_183408
618	167421_at	0.001035	4889.7	2278.87	Enpp5	AI852186	NM_032003
619	95135_at	0.001038	2205.93	1710.27	3110038L01Rik	AI844396	NM 026S24
620	115916_at	0.001043	679.5	272. 43	Rasa2	AA691429	NM_053268
621	160640_at	0.001044	830.97	690.17	Galntll	AW121625	NM_144908
622	113046_at	0.001049	1900.33	267.83	---	AI842091	NM_009443 /// NM_009444
623	96144_at	0.001056	952.53	509.6	Idb4	AJ001972	NM_031166
624	162708_at	0.001057	1926.63	1120.43	Tceb2	AI558072	NM_175229
625	115537 at	0.001069	478.77	316.1	1700023F20Rik	AW045284	NM 172618
626	AFFX-MURINE bl at	0.001074	186123.4	125937.83		U01310	NM 021286 /// NM 021411 /// NM 023651 /// NM_028150 /// NM_146176 /// XM_484087 /// XM_622223

Table 5

627	162832_at	0.001077	9066.33	6335.2	Kiflb	AI839711	NM_008441 /// NMJ-07682
628	168528_f_at	0.001077	5410.6	2575.47	1500010B24Rik	AV296073	NM_025437
629	135765_at	.00108	2427.4	1517.93	4932409FllRik	AI853231	NM_029404
630	163700_at	.001081	410.37	131.4	Fbxl5	AI846617	NM_178729
631	167934_at	.001086	518.2	157.67	AI836376	AV263372	NM_178896
632	10S601_at	.001087	555.53	326.1	AI447711	AI592241	NM_207214
633	98491_at	.001088	1307.53	754.03	2610313E07Rik	AI286904	NM_026011
634	94197_at	0.00108S	444.97	164.5	Ugcg	D89866	NM_011673
635	93055_at	0.00109	3257.87	1715.17	1110054N06Rik	AW049376	NM_175134
636	98349_at	0.001097	273.33	167.73	Il6st	X62646	NM_010560
637	162628_at	0.001102	1446.3	886.07	2610040E16Rik	AA863780	NM_024194
638	131137_at	0.001102	488.03	173	---	AU024549	---
639	116096_at	0.001111	703.9	298.53	C630029K18Rik	AA718043	NM_144871
640	162709_at	0.001111	263.67	58.17	1810031K17Rik	AA760414	NM_026977
641	163129_at	.001111	586.6	328.13	2410002O22Rik	AA501071	NM_025879
642	130531_at	.001111	1788.67	505.77	4933434E20Rik	AI851476	NM_025762
643	108016_at	.001113	2321.23	1322.2	C230096C10Rik	AI841508	NMJL46157
644	108502_at	.001119	1418.2	674.23	Trio	AI605420	XM_619309
645	9352 9_at	0.00112	2158.43	1031.13	D8Wsu49e	AW125219	NM_028007
646	129464_at	0.001122	1162.47	444.8	Tdrd3	AW228955	NM_172605
647	113593_at	0.001123	590.23	345.7	Add3	A183 933S	NM_013758
648	94001_at	.001124	641.53	353.67	Elavil	U65735	NM_010485
649	168123_at	.001127	19705	6449.67	6330407J23Rik	AI849309	NM_026138
650	104940_at	.00113	526.23	312.53		AI465338	XM_355332
651	11070 9_at	.001135	207.67	152.4	Pankl	AA619470	NM_023792 /// NM_027500
652	112682_at	.001145	815.73	283.33	Kiflb	AW060517	NM_008441 /// NM_207682
6S3	101357_at	0.001146	1422.2	977.13	Ap2al	X14971	NM_007458
654	94155_at	0.001146	1233.93	469.63	Rgs4	AB004315	NM_009062
655	106573_at	0.001149	2024.83	1638.9	---	AW122342	NM_133741
656	95286_at	0.001154	5758.03	4361.4	CIu	D14077	NM_013492
657	104704_at	0.001159	1400.23	984.93	Clcn4-2	AI837630	NM_011334
658	92827_ab	0.001161	114.93	26.63	Nsdl	AF064553	NM_008739
659	98490_at	0.001166	720.7	329. 2	2610313E07Rik	AA822412	NM_026011
660	109491_at	0.001169	900.7	589.17	BC003322	AA759948	NM_030257
661	108507_at	0.00117	2846.17	1439.07	Hectdl	AI837295	XM_354671
662	9S507_at	0.001171	2603.57	2071.3	Prpsl	AB025048	NM_021463
663	111568_at	0.001172	214.1	167.33	AI875666	XM_128508	
664	166335 at	0.001173	379.8	202.57	4930451A13Rik	AA793889	NM_026254

Table 5

Table 5

655	1043 75_at	001178	12466.07	6747.1	Spock2	AI844853	NM_052994
656	111796_at	001189	4365.1	2363.87	Mbnl2	AW123074	NM_175341 /// NM_207515
667	112040_at	001189	969.27	478.57	Gabra4	AI606317	NM_010251
668	9725 9_at	001192	2678.53	1686.23	AW559096	AJ005983	NM_021548
669	111956_at	001205	681.67	397.33	Ggpsl	AA647683	NM_010282
670	93005_at	001213	8868.2	2576.07	Sytl	D37792	NM_009306
671	116956_at	001213	528.43	192.27	Kctdl2	AI848366	NM_177715
672	93007_at	001216	375.8	196	Npylr	Z18280	NM_010934
673	130418_f_at	001227	6848.73	3431.53		AU018327	
674	93350_f_at	0.001235	452.7	307.93	Zfp422	AW209414	NM_026057
675	92507_at	0.001237	335.4	124.6	Utrn	Y12229	NM_011682
676	93422_at	0.001239	297.6	187.63	Pftkl	U62391	NM_011074
677	112965_at	0.001241	173.03	49.67	4933439F18Rik	AI842014	NM_025757
678	I68126_s_at	0 001248	2003.03	1180.8	--	AI98783	NM_011811
679	93666_at	0 001249	530.7	262.27	Lmo2	M64360	NM_008505
680	103624_at	0 001258	769.03	365.5	2900073H19Rik	AW121323	NM_026615
681	133906_at	0 001258	2252.8	702.73	C78339	AI482265	XM_127312
682	162746_at	0 001259	2335.73	1752.8		AW046094	NM_133766
683	115917_at	0 .0000112266	786	527.4	Manlb	AA874421	NM_010763
684	AFFX-CreX-3_St	0.001267	2045.07				
685	93922_g_at	0.001269	1357.1	876.7	Bat3	AIS73601	NM_057171
686	1293 05_at	0.001271	1618.73	750.2	Icaml	AI84S658	NMJ203507
687	117147_at	0.001273	3576.97	2528.97	Ssbp3	AI840440	NM_023672 /// NM_198438
688	102893_at	0.001274	330.6	134	U2fl	X68363	NM_01113 /// NM_198932 /// NM_198933 /// NM_198934
689	102741_at	0.001276	203.83	54.57	Adar	AW046250	NM_019655
690	115476_at	0.00128	2033.07	1491.07	--	AI851690	
691	115904_at	0.001283	865.07	601.1	1110065L07Rik	AI788994	XM_133990
692	141105_s_at	0.001286	1344.33	553.57	4.93E+26	AI850917	NM 177858
693	99068_at	0.001289	451.13	341.77	Mcpr	X80169	NM_008569
694	97313_at	0.00129	9359.57	7678.6	Gdil	U07950	NM_010273
695	160413_at	0.001293	4668.03	2649.77	Nsg2	U17259	NM_008741
696	106886_at	0.001294	123.8	39.07	--	AW048254	XM 484197
697	11674 6_at	0.001296	10539.87	7665.2	DAP-3	AI850878	NM_198618
698	92292_at	0.001303	811.7	381.27	Slc2a3	M75135	NM_011401
699	165602_f_at	0.001307	6007.57	4189.07	D430025H09Rik	AW050057	NMJ.45616
700	107033_at	0.00131	5452.53	2829.53	5830434P21Rik	AW047040	NM_172661
701	132815_at	0.001316	1415.63	559.1	Sec61a2	AI006571	NM_021305
702	139538 at	0.001326	1249.2	975.97	E130318E12Rik	AI481680	NM145510

Table 5

703	92863_at	0.001327	7466.33	4378.43	Wbp2	U40826	NM_016852
704	112324_at	0.001328	396.3	146.93	Bap1	AW122786	NM_027088
705	165724_at	0.001331	9488.83	6396	[illegible]	[illegible]	[illegible]
706	116121_at	0.001332	382.53	[illegible]	[illegible]	[illegible]	[illegible]
707	129025_at	0.001336	837.57	[illegible]	[illegible]	[illegible]	[illegible]
708	139171_at	0.001336	4104	[illegible]	[illegible]	[illegible]	[illegible]
709	114560_at	0.001337	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
710	136081_at	0.001345	433.	[illegible]	[illegible]	[illegible]	[illegible]
711	128590_at	0.001347	916.83	[illegible]	[illegible]	[illegible]	[illegible]
712	109995_at	0.001349	2684.47	[illegible]	[illegible]	[illegible]	[illegible]
713	160830_at	0.00135	2674	[illegible]	Cnil	[illegible]	[illegible]
714	99577_at	0.001356	862.03	563.57	[illegible]	[illegible]	[illegible]
715	114523_at	0.001361	748.	[illegible]	[illegible]	[illegible]	[illegible]
716	100557_g_at	0.00137	1791.77	[illegible]	[illegible]	[illegible]	[illegible]
717	98818_at	0.001373	34	[illegible]	[illegible]	[illegible]	[illegible]
718	94506_at	0.001376	290.53	[illegible]	[illegible]	[illegible]	[illegible]
719	99380_at	0.001381	[illegible]	[illegible]	Kcna2	[illegible]	NM_008417
720	102556_at	0.001382	184.	[illegible]	[illegible]	[illegible]	[illegible]
721	102296_at	0.001393	3879.	[illegible]	[illegible]	[illegible]	[illegible]
722	112830_at	0.001403	305.6	60.73	[illegible]	[illegible]	[illegible]
723	112906_at	0.001407	1169.9	[illegible]	[illegible]	[illegible]	[illegible]
724	103475_s_at	0.001424	263.5	48.4	[illegible]	[illegible]	[illegible]
725	98894_at	0.001426	346.63	161	[illegible]	[illegible]	[illegible]
726	134010_s_at	0.001431	1333.2	616.	[illegible]	[illegible]	[illegible]
727	116691_at	0.001436	7501.63	[illegible]	[illegible]	[illegible]	[illegible]
728	164118_at	0.00144	422.73	186.	[illegible]	[illegible]	[illegible]
729	166197_at	0.00144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
730	140329_at	0.001441	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
731	113450_at	0.001445	795.3	465.	[illegible]	[illegible]	[illegible]
732	132437_s_at	0.001445	7220.33	[illegible]	[illegible]	[illegible]	NM_021505
733	98925_at	0.001453	3	[illegible]	[illegible]	[illegible]	[illegible]
734	113699_at	0.001455	70	[illegible]	[illegible]	[illegible]	[illegible]
735	100560_at	0.001456	4420.47	[illegible]	[illegible]	[illegible]	NM_013625
736	93722_at	0.001459	554.	[illegible]	[illegible]	[illegible]	NM_019561
737	95404_at	0.001466	2715.4	[illegible]	[illegible]	[illegible]	NM_008775
738	109125_at	0.001479	821.7	235.	[illegible]	[illegible]	[illegible]
739	116379_at	0.00148	657.	[illegible]	[illegible]	[illegible]	[illegible]
740	96560_at	0.001482	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 5

741	116425_at	0.001483	3913.93	2116.03	Ntrk2	AW125471	NM_001025074 /// NM_008745
742	101456_at	0.001501	1558.77	799	Zfpl06	AF060245	NM_011743
743	1123 89_at	0.001503	3261.37	2203.47	Vapb	AI842621	NM_019806
744	167062_at	0.001503	1538.2	1160.47		2900026A02Rik AI158998	NM_172884
745	9332 6_at	0.001504	20792.93	11486.77	Tm4sf2	D26483	NM_019634
746	138004_at	0.001504	682.27	528.33		AW492253 AI849156	NM 183142
747	163773_at	0.001507	2447.1	1057.97	Napg	AI450216	XM_355095
748	104612_g_at	0.00151	786.63	560.93	Wdr26	AI854008	
749	102698_at	0.001517	523.77	189.37	Epasl	AF045160	NM_010137
750	9793 5_at	0.001521	1290.1	826.67		4121402D02Rik AI842970	NM_028722
751	103957_at	0.001523	290.1		Trfr	X57349	NMJ311638
752	106917_at	0.001527	1391.23	1082.17		C530030I18 AI836095	NM_207255
753	103070_at	0.001539	2755.27	1890.97	Ptpnsl	AB018194	NM 007547
754	92448_s_at	0.001543	856.63	482.2	Gfra2	AF079107	NM 008115
755	92802_s_at	0.001548	12974.27	5003.73	Pip	M16472	NM_011123
755	138139_at	0.001552	2293.03	1017.23		AW046476	XM_488712
757	166855_at	0.001557	370.2	78.47		B230382K22Rik AI843969	
758	106847_at	0.001558	1562.37	558.13		9330157P13Rik AI842383	
759	114222_at	0.001559	1146.13	195.53		D130026O08Rik AW122396	
760	97559_at	0.001561	7491.37	5688.13	Eef2	M76131	NM_007907
761	112973_at	0.001564	454.5	192.73		D14Ertd436e AA920081	NM_172599
762	98504_at	0.001574	1502.7	523.27	Rock2	U58513	NM 009072
763	104125_at	0.001575	503	274.6		AL022832 AA763673	NM_011276
764	96634_at	0.001579	742.37	533.6		5730469M10Rik AI850090	
765	114712_at	0.001583	8919.5	3938.4	Mef2c	AI132554	NM_025282
766	11512 0_at	0.001585	769.33	435.03		AA123427	NM 028136
767	108264_at	0.001587	565.77	172.2		AW125497	
768	97284_at	0.001589	938.03	817.1		BC12113 AI853789	NM_153516
769	160921_at	0.001592	476.5	392.17	Acas21	AW125884	NM_080575
770	113234_at	0.001594	504.67	293.67		1600022A19Rik AA674083	
771	95324_at	0.0016	1373.07	692.8	Atp2b2	AF053471	NM_009723
772	115356_s_at	0.001602	227.27	126.97	Bmprla	AI663515	NM_009758
773	111172_at	0.001602	1389.3	743.17	DlErtd622e	AI987691	NM_133825
774	97263_s_at	0.001603	2443.07	1293.97	Csnkld	AI846289	NM_027874
775	109607_at	0.001603	1004.93	503.1	Pdcl	AW108059	NM_026176
776	100954_at	0.001606	269.7	222.63	Hrb	AP057287	NM_010472
777	115140_at	0.001609	16646.8	12223.53		BC028881 AW124719	NM_183315
778	97114 at	0.001611	10846.03	6729.07	Psap	U57999	NM 011179

Table 5

119	112722_at	0.001622	1057.4	459.17	D6Ertd253e	AW124381	NM_178608
780	106605_at	0.001623	791.67	230.53	B230106I24Rik	AW045971	NMJ.78772
781	93087_r_at	0.001626	663.57	480.17	Igk-V8	AA267185	NMJ313918
782	137614_at	0.001626	2302.33	1635.17	Zfp369	AI507190	NM_178364
783	166773_at	0.001627	586.8	154.6	E430019N21Rik	AA426869	NM_001024604
784	96193_at	0.001628	1263.7	819.03	Dm9	Z38011	NM_010058
785	100307_at	0.001634	1804.3	555.83	LyIl	AA002843	NM_010906
786	100933_at	0.00164	β969.67	3641.97	Stxla	D45208	NM_016801
787	130532_at	0.001644.	2457.53	1540.7	Soxll	AI836553	NM_009234
788	107811_at	0.00165	412.7	112 .17	AI663987	AA237472	NM_033526
789	138395_at	0.00165	3773.93	2003	---	AW121944	
790	101370_at	0.001659	982.5	352 .47	Kpnal	U20619	NM_008465
791	117176_at	0.001676	5944.5	3670.6	Ank2	AI846530	NM_001034168 /// NM_178655
792	92801_at	0.001677	5462.87	2599.47	PIp	M37335	NM_011123
793	133140_at	0.001677	4864.5	1561.3	Dnm	AW121936	NM_010065
794	169344_r_at	0.001681	958.37	427.33	1200009022Rik	AV007963	NM_025817
795	99834_at	0.001684	135.67	76.57	Nrg3	AF010130	NM_008734
796	134260_at	0.001686	2718.03	1402.37		AI549876	
797	105883_at	0.001688	1209.8	585.53	Kif3a	AW124694	
798	109064_at	0.00169	512.8	237 8	5830451P18Rik	AI616202	XM_619244
799	117267_at	0.001701	411.6	161 2	2310044G17Rik	AI853744	NM_173735
800	114734_at	0.001703	2529.2	1392.97	B230106I24Rik	AW012646	NM_178772
801	106857_at	0.001703	685.97	103.33	Pcdh9	AW048370	XM_139187
802	107753_at	0.001703	812.47	267.73	Etohi2	AW045353	HM_026799
803	138087_at	0.001719	7629.63	5413.77		AI843229	NM_010199 /// NM_183064
604	116436_at	0.00172	844.37	567.17	6330501D17	AI180937	XM_127854
805	104467_at	0.001722	598.17	387.93	Cpd	AA763004	NM_007754
806	163933_at	0.001722	799.97	402.9	Pten	AI616079	NM_008960
B07	106249 at	0.001725	1167.63	180.33	---	AI048542	NM 025877
808	105896_at	0.001727	755.73	256.3	Cdk8	AI85404 6	NM_145155
809	104685_g_at	0.001736	762.33	311.83		AI847120	NM_008169
810	95431_at	0.001737	728.4	339.8	D16Wsu109e	AA623426	NM_138599
811	92513_at	0.001745	1052.27	673.13	Stag2	AJ002636	NM_021465
812	113199_at	0.001746	8243.57	6451.2	Rabl5	AW123563	NM_134050
813	164134_at	0.001745	3892.1	2857.5	D030041I09Rik	AI843915	NM_175460
814	113766_at	0.001749	3935.8	3299.33	Abi2	AI854004	NM_198127
815	161054 at	0.001751	2230.3	1637.37	SpOCkI	X92864	NM_009262

Table 5

816	110507 _at	0.001757	1301.63	546.6	AU067726	AW121504	NM_ 177762
817	95139_ at	0.001765	506.93	339.73	1110018O08Rik	AW122075	NM_178398
818	97211_ at	0.00177	1534.13	1248.2	3230401N03Rik	AI747444	NM_026139
819	114S41 _at	0.001775	5713.93	3911.1	1500001H12Rik	AW120690	NM_021316
820	111713 _at	0.001775	1857.6	760.27	5730405I09Rik	AA839183	NM_026484
821	160181 _at	0.001803	3382.17	1712.33	Syp	X95818	NM 009305
822	94564 at	0.001808	2183.1	1615.53	Sult4al	AF059257	NM_013873
823	135691 _at	0.001815	673.63	418.4	1300018L09Rik	AA882067	
824	116112 _at	0.001816	305	164.33	Igflr	AI854325	
825	160806 _at	0.001824	669.73	429.57		AF099988	NM_016866
826	107874 _at	0.001826	921.13	490.53	B230380D07Rik	AI848418	NM .172772
827	95613_ at	0.001829	3323.13	2054.9	Cox7a2	AW122573	NM_133718
828	93958_ at	0.001833	1701.73	1022.7	Rnfl4	AA086863	NM_.020012
829	9S038~ at	0.001834	1717.3	1266.37	Adss2	L24554	NM 007422
830	130840 _at	0.001835	929.4	438.63	9330164H19Rik	AI413355	NM_178704
831	139173 _at	0.001842	2767.47	i4-73 .63	Ap3b2	AI838160	NM 021492
832	104270 _at	0.001843	787.43	338.47	Adrbkl	AA982714	NM_130863
833	139200 _at	0.001843	1560.93	910.97		AW045408	
834	97130_ at	0.001852	226.73	69.7	Atel	AP079097	NM_001029B95 /// NM 013799
835	94003_ at	0.001853	1722	886	Prkwnkl	AI848510	NM~~198703
835	108996 _at	0.001858	891.67	557.47	BC03 0477	AI~840S99	NM_177618
837	129304 _at	0.001858	568.03	271.7	Salll	AA386439	NM__021390
83B	101865 _at	0.001861	386.7	197. 8	Pip5k2a	AB009615	NM_"0O8845
839	95888_ at	0.001863	118.93	21.93	Laf4l	AI507266	NM~"033565
840	116241 _at	0.001872	1297.57	878.7		AA137949	
841	168497 _at	0.00188	8847.37	2666.73	Spin.	AA921202	NM 011462 /// NM_1460
842	94766Jat	0.001888	23137.27	16004.73	Eeflal	M17878	NM_010106
843	129028 _at	0.001893	6683.4	2789.83		AU021802	XM_139187
844	100887 _at	0.001894	296.37	192.9	Smc6ll	AI838562	NM 025695
845	92287_ at	0.001898	1095.7	554.37	SOCS5	AF033187	NM 019654
846	104108 _at	0.001902	2098.53	1649.97	Rab ipl	AJ245569	NM_021494
847	109545 _at	0.001902	885.23	649.5	AI314180	AW123771	NM 172381
848	138458 _at	0.001902	7611	6138 .93	Kcnal	AW049444	NM_010595
849	137709 _at	0.001909	2601.77	1519.9	Pnma2	AW047936~	NM_175498
850	92857_ at	0.001911	727.4	423.43	Rpl22	AI853960	NM_ 009079
851	167474 _at	0.001918	690.83	314.33	Trim23	AV316037	NM 030731
852	134131_ at	0.001921	1702.4	790.03	9030425C21Rik	AI154671	NM_026343
853	97823_g_at	0.001922	867.27	660.53	Pak2	AW122689	NM_177326

Table 5

854	92995_at	0.001922	17564.13	9488.1	Vsnl1 D211[illegible]	NM_012038
855	115070_at	0.001922	2892.73	1859.2	--- AA711252	NM_009700
856	138969_at	0.00193	[illegible]	[illegible]	--AI8522	NM_1979[illegible]
857	113069_at	0.001937	419.	85.3	K01Ri	NM_023[illegible]
858	168332_f_	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
859	160786_f_at	0.001944	690.23	[illegible]	AI84342	NM_146[illegible]
860	92465_at	0.00195	489.	22	[illegible]	NM_0196[illegible]
861	104364_at	0.001958	528.	29.4	apkapk	NM_010[illegible]
862	137130_at	0.001961	3177.5	[illegible]	[illegible]	[illegible]
863	114829_at	0.001969	2036	179.	ln2	[illegible]
864	140484_at	0.00197	286.87	[illegible]	hx29	NM_172[illegible]
865	129311_at	0.001977	4804	[illegible]	U02	NM_0116[illegible]
866	110604_at	0.00198	882.23	[illegible]	O2	[illegible]
867	163686_at	0.001981	155.	18.9	A833	NM_175[illegible]
868	114639_at	0.001983	453.	54.2	031439	[illegible]
869	167174_at	0.001984	[illegible]	2	rps V11	[illegible]
870	99178_at	0.001986	3013.7	2157	pm6b	NM_0231[illegible]
871	100529_at	0.001994	[illegible]	[illegible]	[illegible]	[illegible]
872	104681_at	0.002011	771.	[illegible]	9696	NM_0078[illegible]
873	112462_at	0.002012	1109.1	[illegible]	I1535	[illegible]
874	108465_at	0.002012	939.2	482.	G18R	[illegible]
875	113055_at	0.002012	2365.37	1284	cvrinp	[illegible]
876	107592_at	0.002016	1425.6	[illegible]	[illegible]	[illegible]
877	96126_at	0.002023	365.4	228.	gpl1	NM_0091[illegible]
878	AFFX-PyruCarbMur/L09192_MB_at	0.002025	[illegible]	[illegible]	[illegible]	[illegible]
879	131386_at	0.002048	[illegible]	[illegible]	I84941	NM_0269[illegible]
880	99494_at	0.002063	8132.57	6541	erpi	NM_0092[illegible]
881	160265_at	0.002067	[illegible]	[illegible]	[illegible]	[illegible]
882	112854_s_at	0.00207	1474.03	664.	17Ws	[illegible]
883	102827_at	0.002077	1361.93	1016	ek7	[illegible]
884	135082_at	0.002079	376.27	[illegible]	W22933	NM_172[illegible]
885	168513_f_at	0.002083	[illegible]	[illegible]	[illegible]	[illegible]
886	111125_at	0.002084	3718	158.	pred1 I39136	NM_0335[illegible]
887	107830_at	0.002085	2145.13	647.	pred1	NM_0335[illegible]
888	116955_at	0.002089	3206	201.	[illegible]	[illegible]
889	112851_at	0.002096	4093.27	[illegible]	E1	[illegible]
890	139230_at	0.00211	3510	91.2	M01Ri	NM_0302[illegible]
891	109747_at	0.002112	1821	207.	[illegible]	[illegible]

Table 5

892	106980_at	0.002113	1346.53	880.5	Pvrl1	AI847001	NM_021424
893	116432_at	0.00212	1093.7	405.43	Epb4.1l2	AI845744	NM_013511
894	106977_at	0.002121	5761.47	4343.47	---	AI839553	XM_622404
895	97560_at	0.002145	1110.43	384.17	---	AF037437	NM_011179
896	135230_at	0.002145	468.1	166.07	Traeml0	AI835050	NM_153520
897	96118_at	0.002147	611.2	237.97	Adar	AF052506	NM_019655
898	93008_at	0.002157	1684.73	1553.07	Anxa5	D63423	NM_009673
899	112271_at	0.002175	896.33	689.1	B4galt6	AW122682	NM_019737
900	165099_at	0.002189	3256.63	1179.8	Syn2	AF096867	NM_013681
901	100880_at	0.002195	3912.8	3015.93	2310036D22Rik	AI787353	NM_027992
902	135257_at	0.002195	6328.97	3062.4	A430106J12Rik	AI848406	NM_176841
903	116612_at	0.002202	2946.17	2434.6	4930541M15Rik	AI854230	XM_129477
904	160714_at	0.002211	337.73	234.07	Gab1	AI046826	NM_021356
905	102922_at	0.00222	695.23	505.5	1110020B03Rik	AI851387	NM_145823
906	136725_at	0.00222	5690	3726.47	---	AI849504	---
907	100153_at	0.002224	2306.97	1673.4	Ncam1	X15052	NM_010875
908	92727_at	0.002225	1503.2	1170.37	Apba2	L34676	NM_007461
909	164022_i_at	0.002225	1975.87	154.4	6330404M18Rik	AW123985	XM_132762
910	116250_at	0.002236	307.33	198.03	D6Bwg1452e	AA111217	XM_143984
911	98540_g_at	0.002252	573.77	272.47	Cops2	AF071312	NM_009939
912	139180_at	0.002257	1790.17	872.47	4930565F05Rik	AI847792	NM_029947
913	115796_at	0.00227	332.4	192.43	Cul5	AA647303	NM_027807
914	168387_i_at	0.002271	1499.07	1184.17	2610034K17Rik	AW228984	XM_135805
915	135358_s_at	0.002272	85628.3	45757.8	---	AW211972	NM_015770
916	129925_at	0.002272	4057.23	1385.67	---	AW212719	NM_146239
917	106131_at	0.002278	2433.8	1414.47	Rnf44	AI854545	NM_134064
918	116072_at	0.002287	1231	765.53	Stard4	AI853043	NM_133774
919	110241_at	0.002287	420.5	94	2210402G22Rik	AW049195	NM_144516
920	108912_at	0.002287	1697.9	734	Pde2a	AW048257	NM_001008548
921	105908_at	0.002288	808.2	533.47	Rasa2	AW122748	NM_053268
922	AFFX-GapdhMur/M32599_3_at	0.002289	82984.83	62397.77	Gapd	M32599	NM_001001303 /// NM_001001978 /// NM_001029931 /// NM_008084 /// NM_199472 /// NM_139510 /// XM_354601 /// XM_356092 /// XM_356116 /// XM_483891 /// XM_483995 /// XM_484256 /// XM_484307 /// XM_484345 /// XM_484436 /// XM_484482 /// XM_484654 /// XM_484732 /// XM_484834 /// XM_485043 /// XM_485318 /// XM_485562 /// XM_485937 /// XM_486133 /// XM_486264 /// XM_486386 /// XM_486623 /// XM_486720 /// XM_486749 /// XM_487067 /// XM_489580 /// XM_618821 /// XM_619136 /// XM_619142 /// XM_619236 /// XM_619350 /// XM_619393 /// XM_619956 /// XM_619966 /// XM_620176 /// XM_620348 /// XM_620482 /// XM_620523 /// XM_620532 /// XM_620646 /// XM_621075 /// XM_621114 /// XM_622431 /// XR_000341 /// XR_000357
923	100388_at	0.00229	576.3	325.87	Gnao	L34216	NM_010308

Table 5

924	136232_at	0.002297	2482.27	1011.3	Dock3	AI840717 NM_153413
925	100707_at	0.002301	260.7	119.67	Sh3md2	AF030131 NM_021506 /// NM_198678
926	105835_at	0.002301	2920.97	2394.93	2410018I08Rik	-- AI852059 NM_177561
927	136732_at	0.002308	1367.37	884.4	Tdrkh	AI850904 -- XM_131021
928	114602_at	0.002319	372.8	307.67	5730596K20Rik	AW228836
929	164142_at	0.002332	3658.37	1938.3	Sytl3	AI844411 NM_030725
930	166667_r_at	0.002339	1498.47	1253.7	Arl6ip2	AV334690 NM_019717 /// NM_178050
931	95803_at	0.002349	923.5	383.73	Ptpns1	D85785 NM_007547
932	116557_at	0.002349	1401.33	1147.87	D5Wsu178e	AI853125 NM_027652
933	163501_at	0.002351	780.67	670.97	Dctn4	AI840620 NM_026302
934	93859_at	0.002357	578.13	320.03	Mtif2	AI875598 NM_133767
935	96252_at	0.002359	1077.23	736.53	Pdcd6ip	-- AJ005073 NM_011052
936	104005_at	0.002359	1767.93	1109.87	B4galt2	AB019541 NM_017377
937	116203_at	0.00236	1546.6	1025.83	Mtmr1	AA959458 NM_016985
938	164020_at	0.00236	473.8	258.2	---	AW061143 NM_133766
939	105507_at	0.002366	1147.7	577.8		AI642321 NM_201531
940	101148_at	0.002377	247.03	114.2	Prkci	D28577 NM_008857
941	113027_at	0.002383	585.23	332.57	6330441O12Rik	AA816040 XM_284697 /// XM_359343
942	105086_at	0.002383	649.6	359.77		AI648838 NM_026623
943	101430_at	0.002396	703.47	342.53	Sox4	AW124153 NM_009238
944	167597_at	0.002409	9070.87	5186.03		AW123917 XM_622756
945	116311_at	0.002413	1528.9	650.47	Ivns1abp	AA673812 NM_028582 /// NM_054102
946	92288_at	0.002415	192.17	57.83	Ap1g1	X54424 NM_009677
947	115233_at	0.002416	1966.83	1188.83	Map3k10	AA498142 XM_194344
948	112402_at	0.002417	1200.53	1012.7		BC037112 AW045953 XM_132015
949	93831_at	0.002422	200.97	98.23	Nono	AI316087 NM_023144
950	111644_at	0.002428	370.53	240.8	Ap3s2	AW050091 NM_009682
951	93892_at	0.00243	589.33	266.4	Cugbp2	Y18298 NM_010160
952	93909_f_at	0.002433	2164.33	831.57		X04120 NM_009834 /// XM_620701
953	117250_at	0.002448	2794.97	1696.87	B930006L02Rik	AW121519 NM_178764
954	114841_at	0.002459	730.17	300.17	Nf1	AA855356 NM_010897
955	98332_at	0.002468	2511.27	1398.87	Kcnj9	U11860 NM_008429
956	129113_at	0.002483	779.67	427.33	1700030B17Rik	AV283721 NM_027407
957	109909_at	0.002494	1302.4	648.6	Wdr22	AW124614 NM_177267
958	129906_at	0.002508	3073.73	1592.3	Prkaa2	AA960412 NM_178143
959	115640_at	0.002514	815.87	388.3	1700020I14Rik	AI451541 XM_488956
960	139035_at	0.002515	514.87	182.27		AI846518 NM_011638
961	103369_at	0.002519	742.67	377	--	AW049142 XM_489146

Table 5

962	98863_at	0.002521	196.93	59.1	Grik2	X66117	NM_010349
963	110208_at	0.002524	1504.83	944	Strn4	AA727401	NM_133789
964	101834_at	0.002528	536.93	296.7	Mapk3	Z14249	NM_011952
965	115236_at	0.002538	824.9	551.77	Uspl5	AA824120	NM_027604
966	99662_at	0.00254	310.93	252.8	Pcnt2	AI194767	NM_001002929
967	111948_at	0.002547	1390.7	907.47	Insig2	AW048761	NM_133748 /// NM_178082
968	105577_g_at	0.002547	1210.07	457.8		AA467595	
969	100970_at	0.002548	1469.97	1011.03	Akt1	X65687	NM_009652
970	114782_at	0.00255	3352.7	1986.5	Arhn	AI841945	NM_009708
971	92280_at	0.002563	323.53	104.63	Strm	AA867778	NM_134156
972	105610_at	0.002563	499.87	265.73	1110020B03Rik	AA388982	NM_145823
973	160681_at	0.002558	223.2	108.4	Papola	AI131735	NM_011112
974	163248_at	0.002574	3939.27	2807.5		AI847753	NM_009784
975	101034_at	0.002575	1198.2	563.67	Grb2	U07617	NM_008163
976	140489_f_at	0.002587	761.9	279.6	1500012D09Rik	AW060560	NM_172601 /// XM_485113 /// XM_485123 ///
977	166212_i_at	0.002591	747.8	485.73		AA275007	
978	96115_at	0.002594	4581.1	2694.67	Dp1	U28168	NM_007874
979	113093_at	0.002603	868.6	406.67	AW743433	AV337617	NM_172649
980	113575_at	0.002608	398.53	251.2	3732409C05Rik	AI931943	NM_026143 /// NM_027379
981	96936_at	0.00261	1218.07	960.73	Copg	AI020792	NM_017477 /// NM_201244
982	163090_at	0.002626	799.37	492.3		AA755748	XM_130163
983	135090_at	0.00264	2548.77	1200.6		AA172354	NM_138679
984	97195_at	0.002643	734.2	331.83	Gnai1	U38501	NM_010305
985	109007_at	0.002644	549.1	287.03	3010001K23Rik	AA738680	NM_028223
986	105981_at	0.002651	399.8	103.3	Qk	AW125862	NM_021881
987	114117_f_at	0.002664	4813.73	3809.7		AW061131	XM_283816 /// XM_485113 /// XM_485126 /// XM_619853 /// XM_619854 /// XM_619855 /// XM_619856 /// XM_619857
988	97489_at	0.002667	483.93	394.57	Pygb	AI846739	NM_153781
989	116161_at	0.002668	290.67	195.8	Msi2h	AI430099	NM_054043
990	103543_at	0.002669	2257.93	1509.8		AW208098	XM_132255
991	103800_at	0.002679	1182.53	899	Abcc5	AB019003	NM_013790 /// NM_176839
992	168255_at	0.002688	1293.47	675.27	4933428A15Rik	AV280494	NM_027756
993	105431_at	0.002692	844.87	452.47	2810442O16Rik	AW211998	NM_024196
994	108760_at	0.002694	110.63	58.5	4732479N06Rik	AW061034	NM_172540
995	136065_at	0.002718	304.47	157.87		AI465326	
996	112414_at	0.002725	583.83	242.83	Pank3	AA673475	NM_145962
997	114056_at	0.002726	191.2	91.43	C530047H08Rik	AA982455	XM_619423
998	117239_at	0.002729	769.87	314.8	Slc6a8	AW125428	NM_133987

Table 5

999	101305_at	0.00273	658.07	249.17	---	M88299	NM_008900
1000	105718_at	0.00273	721.47	390.97	Pldn	AW125039	NM_019788
1001	167383_f_at	0.002764	755.03	436.3	0610041E09Rik	AV300355	NM_025335
1002	105825_at	0.002765	1436.5	740.2	ScnSa	AI850246	NM_011323
1003	116843_at	0.002777	3378.5	2058.53	Pads2	AW045920	NM_019699
1004	100951_at	0.002783	387.2	200.1	Pkd2	AF014010	KM_008861
1005	94619_at	0.002796	875.73	444.83	Gridl	D10171	NM_008166
1006	100093_at	0.002799	2894.03	2255.83	Pctkl	X69025	NM_011049
1007	95446_at	0.002809	1364.5	1299.97	6330577E15Rik	AW120502	NM_026377
1008	168114_i_at	0.002817	15782.03	12659.3	Syt4	AW121878	NM_009308
1009	93460_at	0.002819	91.7	55.3	Acvrl	L15436	NM_007394
1010	107367_at	0.002822	876.07	477.17	5830411G16Rik	AW045967	XM_132538
1011	107274_at	0.002825	535.4	330.23	1110018N15Rik	AI842625	NM_146153
1012	109662_at	0.002844	755.37	219.27	1500010B24Rik	AW122695	NM_025437
1013	98946_at	0.002848	758.73	532.73	2700038M07Rik	AF033186	NM_019653
1014	115015_at	0.002853	1926.4	1242.47	Atpllb	AI852900	NMJ329570
1015	112182_at	0.002858	3521.03	2493.67		AI847095	NM_020270
1016	104611_at	0.002861	642.47	333.97	Wdr26	AI854008	
1017	166819_at	0.002874	4231.9	3104.43	Pcsk2	AI839700	NM_008792
1018	130649_at	0.002877	2949.37	1810.67	2610002M06Rik	AW011755	
1019	99465_at	0.002879	1193.9	632.17	Mecp2	AJ132922	NM_010788
1020	133686_at	0.002883	484.6	176.03	6030460N08Rik	AI451399	XM_127084
1021	166531_at	0.00289	965.1	315.43	Femlb	AI843581	NM_010193
1022	97544_at	0.0029	8606.87	6450.9	Ywhaz	D83037	KM_011740
1023	108889_at	0.002914	390.03	174.93	AW547365	AA870215	NM_133891
1024	114398_at	0.002916	738.3	448.2	0610041E09Rik	AA267114	NM_025335
1025	116982_at	0.002916	497.13	200.3	2610030H06Rik	AI840175	
1026	108070_s_at	0.002917	2618.4	1474.1	A930006D20Rik	AW124994	XM_358889 /// XM_489610
1027	96351_at	0.002921	1101.07	623.63		AI846097	NM_027453
1028	162538_at	0.002922	3060.37	1823.23	Nptxr	AI841230	NM_028763
1029	163457_f_at	0.002931	533.17	304.97	Slit3	AI605218	XM_203363
1030	162853_r_at	0.002934	753.1	326.9	5730406M06Rik	AI838332	XM_283936
1031	112844_at	0.00294	1324.83	802.9	Dst	AI843343	NM_010081 /// NM_133833 /// NM_134448
1032	106087_at	0.002948	1784.93	811.07		AI851254	NM_028821
1033	102928_at	0.00296	2365.6	2069.8	Hdh	L28827	NM_010414
1034	94449_at	0.002968	5425.9	3390.3	Pcdhgal2	AI854522	NM_033574 /// NM_033575 /// NM_033576 /// NM_033577 /// NM_033578 /// NM_033579 /// NM_033580 /// NM_033581 /// NM_033582 /// NM_033583 /// NM_033584 /// NM_033585 ///

Table 5

NM_033586 /// NM[_033587 /// NM_033588 /// NM_033589 /// NM_033590 /// NM_033591 /// NM_033592 /// NM_033593 /// NM_033594 /// NM_0033595

1035	113005_at	0.00297	1528.97	1279.43	A730024F05Rik	AA967534^	
1036	97462_at	0.002974	1134.3	667.5	3110006P09Rik	AI847584	NM_026521
1037	92629_f_at	0.002982	5398.17	4574.13	Hdgf	D63707	NMJ308231
1038	129282_at	0.002992	18654	8595.4	Tm4sf9	AW124518	NM_019571
1039	134511_at	0:002997	762.87	192.2	Cpeb4	AI851572	NM_026252
1040	163474_at	0.002998	2666.37	1280	SOCS5	AA967794	NM_019654
1041	93632_g_at	0.00301	1234.1	645.9	Lbcll	X95761	NM_008487
1042	140704_at	0.003012	2837.8	2120.47	Rdgb2	AW120913	NM_011256
1043	112103_at	0.003013	651.93	376.43	Nargl	AA795S13	NM_053089
1044	164183_at	0.003014	222	130.17	1110033M05Rik	AA432497	XM 193728
1045	152740__at	0.003018	1918.17	1251.33	Btbd2	AW047954	XM_3 54550
1046	105826_at	0.00302	2897.27	1666.57	Cntnl	AI843096	NM_007727
1047	9293 8_at	0.003053	1922.4	876.4	Gabral	X61430	NM_010250
1048	100751_at	0.003058	278.73	158.93	AdamlO	AF011379	NMJ307399
1049	110578_at	0.003077	317.33	199.23	Taf3	AA176054	NM_027748
1050	97463_g_at	0.003086	2864	1713.1	3110006P09Rik	AI847584	NM_026521
1051	9722 0_at	0.00309	333.57	280.7	Dscr2	AW122732	NM_019537
1052	108375_at	0.003092	660.2	400.77	AI645720	AA982346	NM_173784
1053	166266_i_at	0.003097	883.2	635.03	Sec63	AI592740	
1054	113110_at	0.003113	545.2	386.67		AA960405	NM_011721
1055	136188_at	0.003125	4176.97	1143.8	C630035N08Rik	A1852133	NM_175427
1056	109785_at	0.003126	8380.17	4921.97	Pip5klc	AW123736	NM_008844
1057	164801_at	0.003132	2338.8	1853.03		AV291488	NM_025283
1058	116943_at	0.00314	633.23	552.43	AW547186	AI852450	NM_177592
1059	116834_at	0.003141	2022.93	1039.37	9030612M13Rik	AI840710	NM_172458
1060	111547_at	0.003143	628.8	411.13	Prkab2	AI851666	NM·182997
1061	16544 9_f_at	0.003148	3556.43	1701.3	Ube2jl	AI848527	NM_019586
1062	165615_at	0.003155	1568.53	1153.67	A430031N04	AI850732	NMJL77718
1063	167515_at	0.003159	517.73	375.13	Orc31	AV229483	NM_015824
1064	92312_at	0.003162	123.4	67.6	Pik3c2a	U55772	NM_011083
1065	161119_at	0.003192	327.3	248.73	Epha5	AI854630	NM_007937
1066	112838_at	0.0032	2452.03	1899.37	Fa2h	AW125159	NM_178086
1067	136210_at	0.003223	4633.07	2440.57	App	AI854555	XM_488788
1068	110829_at	0.003242	2793.73	1885.07	Sytl3	AI842207	NM_030725
1069	106113_at	0.003244	418.4	199.5		AI850393	
1070	160189 at	0.003253	1862.07	909.33	493343 6C10Rik	AI843747	NM·027722

Table 5

1071	115102_at	0.003259	588.67	490.8	AI987944	AW060550	NM_183167
1072	116898_at	0.003275	2754.27	1884.47	Pip5k2b	AI845380	NM_054051
1073	96570_at	0.003285	76.2	40.17	BC027756	AV381276	NM_145991
1074	112376_at	0.003287	940.13	276.27	D15Ertd412e	AW124163	NM_134094
1075	109656_at	0.003291	695.3	187	2210417C17Rik	AW123915	XM_129809
1076	94985_at	0.003298	301.13	203.5	Syncrip	AI846392	NM_019666 /// NM_019796
1077	133139_at	0.003301	13123.6	7463.67		AW122295	NM_009062
1078	111720_at	0.003303	2293.27	819.2	Tnnt1	AW124387	NM_172894
1079	114550_at	0.003315	958.03	530.07	LOC212285	AA718110	XM_132099
1080	164230_at	0.003325	620.17	410.7	Eprs	AV211782	XM_129647
1081	111855_at	0.003326	2697.13	2160.17	2310003P20Rik	AI843117	NM_001003719 /// XM_019994
1082	162819_at	0.003326	2576	1559.67	Mlcl	AI843987	NM_133241
1083	93762_at	0.00333	3707.67	2009.27	Ppp2r4	AI841493	NM_138748
1084	111263_at	0.00334	3269	2375.8	Rbm9	AI840760	NM_053104 /// NM_175387
1085	107304_at	0.003345	618.27	374.73	Pcdh7	AW047051	NM_018764
1086	101946_at	0.003355	268.27	132.33	Lypla1	AA840463	NM_008866
1087	111173_at	0.003355	1130.13	574.1	C330002I19Rik	AW122339	XM_126866
1088	103569_at	0.003362	432.57	188.3		AI842874	NM_019464
1089	106200_at	0.003363	4572	3430.13	E03D034P13Rik	AI842120	NM_153791
1090	114686_at	0.003381	1562.5	1059.63	C330007P06Rik	AW048693	XM_135837
1091	103924_at	0.003385	1521.03	1154.3	D8Ertd319e	AW048884	NM_026792
1092	116107_at	0.003396	552.87	209.57	Son	AI854469	NM_019973 /// NM_178880
1093	167524_at	0.003403	773.13	132.53	1810011E08Rik	AI593305	
1094	99144_s_at	0.003416	667.77	254.97	Tgoln1	D50031	NM_009443
1095	162987_at	0.003417	18536.97	11628.67	Kif5a	AW120637	NM_008447
1096	166622_at	0.003422	2114.9	816.47	B930052A04Rik	AI835355	NM_177193
1097	165580_i_at	0.003424	2336	1588.53	Kirrel3	AI847076	
1098	133809_at	0.003428	1905.17	715.3	4732418C07Rik	AA914736	NM_172698
1099	106089_at	0.003445	219.17	90.9	C330005L02Rik	AI851303	NM_138756
1100	94243_at	0.003446	1413.1	1058.67	4930432B04Rik	AI849588	NM_029437
1101	94009_at	0.003447	1799.5	1280.4	2610301I15Rik	AI848888	NM_026456
1102	163269_at	0.003475	210.93	107.07	Smc1l1	AI875533	NM_019710
1103	138138_at	0.003476	5836.5	4296.2		AW046406	NM_010600
1104	163863_at	0.00348	600.1	299.53	4933406P09Rik	AI596813	
1105	116709_at	0.003484	611.03	500.23		AW122414	NM_011990
1106	163646_at	0.003487	343.8	223.57	Jam2	AI853724	NM_023844
1107	110964_at	0.003506	5769.3	4336.27	Pde2a	AW120981	NM_001008548
1108	92580_at	0.003511	778.53	395.67	Hars	U39473	NM_008214

Table 5

1109	141033_at	0.003514	806.97	390.33	---	AI594656	---
1110	98460_at	0.003523	2055.8	1590.97	FtO	AJ237917	NM_011936
1111	114996_at	0.003535	243.73	93.5	2810417D08Rik	AA967301	NMJD27421
1112	92611_at	0.003539	1135.17	759.2	Gpiapl	U18773	NM_016739
1113	92974_at	0.003554	139.27	89.5	Zfp37	X52533	NM_009554
1114	106819_at	0.003561	382.8	210. 03	---	AW061288	---
1115	APFX- BioC-5_ at	0 .003571	5733 .7	3070.47	---	J04423	---
m e	107389_at	0.003577	1146.97	667.07	---	AW049675	NM_011531 /// NMJ.77129
1117	139237_r_at	0.003587	8019.93	5350.47	Dscrlll	AW046916	NM_030598 /// NM_207649
1118	108048_at	0.003595	1954.07	1225.73	A630084M22Rik	AI836258	NM_177305
1119	16067 6_at	0.003597	2059	1627	C330018 σ07Rik	AI839212	---
1120	111480_at	0.003602	9835.5	6031.27	---	AI847025	NM_020270
1121	116917_at	0.003608	1015.97	605.07	LOC279653	AI843367	XM_205287
1122	116672_at	0.003615	443.77	171.47	Osbpl 8	AA611861	NM_001003717 /// NM_175489
1123	109335_at	0.003617	2410.03	1330	9430023P16Rik	AI840418	NM_001005507
1124	100051_at	0.00365	1567.4	1072.43	Epb7.2	U17297	NM_013515
1125	92467_g_at	0.003656	822.93	346.6	Plcbl	U85714	NM_019677
1126	160819_at	0.003666	19645.87	16520.9	Ndr4	AW121600	NM_145602
1127	10542 0_at	0.003673	212.37	102.47	Rabl4	AI649155	NM_026697
1128	137084_at	0.00368	2412.4	1590.37	4930565N16Rik	AA624105	XM_125517
1129	98027_at	0.003684	629.23	512.07	Cθl9a2	Z22923	NM_007741
1130	139426_r_at	0.003697	1330.53	861.53	---	AW228933	NM_010206
1131	98386_s_at	0.003698	676.83	497.1	Cacnalc	U17869	NM_009781
1132	94064_at	0.0037	489.77	297.9	Zfp91	U05343	---
1133	138986_at	0.003711	7325.8	4388.13	Centg3	AI847278	NM_139153
1134	163530_at	0.003716	2447.73	1764.13	---	AW121535	---
1135	114409_at	0.003717	988.9	100 .23	Nktr	AA655805	NM_010918
1136	117137_at	0.003719	7803.5	4906.87	Camk2g	AW121347	NM_178597
1137	138182_at	0.003722	1410.33	991.1	9630036L12Rik	AW049816	XM_288123
1138	94488_at	0.003737	789.97	626.27	1110059P08Rik	AI847041	NM_025418
1139	139029_at	0.003746	585	158	---	AI845271	---
1140	112427_at	0.003752	476.73	150.7	AI427653	AI854077	NM_178714
1141	111156_at	0.003753	118.27	16.73	Jray	AA66S916	NM_021310
1142	167250_S_at	0.003762	514.6	294 .57	Lactb2	AV0523 94	NM_145381
1143	138381_at	0.003768	1611	902 .2	---	AW060967	---
1144	167783_f_at	0.003769	3583.93	1394 .87	1810009A16Rik	AV262024	XM_355528
1145	98993_at	0.003776	3752.03	3061.53	Ppp2r5c	U59418	NM_012023
1146	100155 _at	0.003791	1018.63	762.03	D.drl	L57509	NM_007584

Table 5

1147	97554_at	0.003806	829.8	615.73	BC005624	AI838889	NM__144885		
1148	99804_at	0.003831	724.53	464.33	---	M97516	NMJJ07418		
1149	93590jIt	0.003844	453.97	300.93	Ndstl	AI844370	NMJ308306		
1150	103029_at	0.003864	1570.27	1138.3	Pdcd4	D86344	NM_011050		
1151	9815 0_at	0.003875	3189.33	2476.53	Rabllb	L26528	NM_008997		
1152	101927_at	0.003894	4972.6	3027.8	Prkarlb	M20473	NM_008923		
1153	135253_at	0.003899	6231.53	4823.53	---	AI847615	---		
1154	106967_at	0.003901	95.23	26.67	Cul4b	AI427169	NM_028288		
1155	139980_g_at	0.003905	1746.5	862.57	Ndufsl	AI450646	NM_145518		
1156	168462_at	0.003907	1684.07	1102.9	---	AV340874	XM_139540		
1157	131255_at	0.003924	1788.63	836.17	C630016B22Rik	C88213	NM_172051		
1158	139519_at	0.003924	19113.3	9458.93	Gabra2	AW046395	NM_008066		
1159	iθ2151_at	0.003925	892.83	474.43	---	L10084	NM_007419		
1160	10776S_at	0.003927	461.67	267.87	6330500A18Rik	AI426461	NM_172675		
1161	111782_at	0.00393	1880.23	1330.47	2310065H12Rik	AW122149	NM_029648		
1162	109511_at	0.003933	456.67	234.33	CyId	AA798616	NM_173369		
1163	112948;_at	0.003939	16916.9	13046	D9BwgO185e	AI844254	NM_173781		
1164	111006_at	0.003964	7360.23 "	5591.4	Plcbl	AI131739	NM_019677		
1165	117011_at	0.003965	1769	797..2	Epb4.113	AW105743	NM_013813		
1166	139278_at	0.003975	5870.17	2669.23	BC042620	AW049028	XM_128530		
1167	102664_at	0.003977	789.07	324.1	Cdk5r	U89527	NM_009871		
1168	92341_at	0.003977	1049.17	426.87	B3galt2	AF029791	NM_020025		
1169	163988_at	0.003978	342.93	188.03	2410127E18Rik	AW125271	NM_029742		
1170	13803 e_at	0.003986	3275.4	1463.77	---	AI851444	---		
1171	97865_g_at	0.003994	1788.17	1212.83	2551100004499II1199RRiikk	AW225588884422	NM_026455		
1172	102402_at	0.004	1547,.33	1161.43	Gbas	AJ001261	NM_008095		
1173	97904_at	0.004014	5447.03	4117.3	Actr3	AW123 953	NM_023735		
1174	103428_at	0.004014	636.87	502.4	Pθld3	AW04 9684	NM_133692		
1175	140889_s_at	0.004014	6993.13	3471.67	---	AW122377	XM_48B870		
1176	99882_at	0.004021	388.63	92.27	Ids	L07921	NM_010498		
1177	115814_at	0.004029	1912.73	882.87	2210417C17Rik	AI047908	XMJL29809		
1178	138946_at	0.00404	4868.67	1548.07	Syt7	AI844346	NM_018801	/// NMJL73067	/// NM_173068
1179	160417_at	0.004041	853.17	360	Kif5b	U86090	NM_008448		
1180	141051_at	0.004041	488.97	281.37	FgflO	AI527654	NM_008002		
1181	103766_at	0.004044	138.63	77.83	Sema5a	X97817	NM_009154		
1182	109945_at	0.004057	4654.53	3402.2	D130026O08Rik	AI850918	NM_08O448	/// NM_153 070	
1183	114518_at	0.004061	765.73	513.23	Ppmla	AA254205	NM_008910		
1184	99077 _at	0.004075	365.17	294.63	Thra	X07750	NM_178060		

Table 5

1185	9944 0_at	0.004079	799.53	377.3	N f ib	Y07686	NM_008687
1186	93463_at	0.004086	439.07	223.8	Ü spl9	AW122517	NM_027804
1187	136193_i_at	0.004107	1759.83	1134.73	Cul2	AI852917	NM_029402
1188	106484_at	0.004109	135.73	35.57	---	AI846694	NMJJ29804
1189	111832_at	0.004116	1564.73	975.87	---	AA930337	NM_172827
1190	100507_at	0.004125	2430.17	1695.13	Nov	Y09257	NM_010930
1191	1114092at	0.00413	582.83	400.3	---	AI835528	NM_029654
1192	112049_at	0.004134	206.23	69.13	ÏJcoa2	AW121738	NM_008678
1193	97944_f_at	0.004142	705.77	475.23	---	AF099808	NMJL77288 /// XM_619247
1194	16068 6_at	0.004175	666.67	505.93	5730555F13Rik	AI836015	NM_025690 /// NM_026337
1195	138554_at	0.004176	1472.43	914.57	---	AI853109	XM_484423
1196	94435_at	0.004186	976.33	503.53	D10Ertd438e	AI839117	---
1197	162910_at	0.004186	516.27	375.5	Xppoott	AI851617	XM_125902
1198	129310_at	0.004189	671.13	133.37	---	AA638581	XM_109700 /// XM_489741
1199	167028_at	0.004189	1734.03	1332.5	Fads3	AI841650	NM_021890
1200	110172_at	0.004197	1010.8	790.7	4930444A02Rik	AA929827	NM_029037
1201	93606_S_at	0.004198	1773.03	1081.3	Igsf4	AB021966	NM_001025600 /// NM_018770 /// NM_207675 /// NM_207676
1202	116355_at	0.0042	640.77	531.5	MlIt 7	AA840142	---
1203	164257_at	0.004222	241.57	55.83	5430432P15Rik	AI446622550022	XM_129246
1204	93712_at	0.004231	499.33	298.33	Ccntl	AFO 95640	NM_009833
1205	109397_at	0.004232	1682.07	1284.67	E2f4	AI844030	NM_148952
1206	96959_at	0.004236	2696.6	1909.67	Übe2n	AW210080	NM_080560
1207	104625_at	0.004238	641.17	407.37	---	AA874130	NM_011847
1208	160363_at	0.00424	1135.07	932.97	Tcfll	D43643	NM_009336
1209	100413_at	0.004251	972.7	699.6	Zap3	AB033ie8	NM_178363
1210	103667_at	0.004272	598.03	477.93	---	AA866655	---
1211	97227_at	0.004284	331.87	157.7	Gnal2	M63659	NM_010302
1212	133128_at	0.00429	5006.57	2000 .7	8430419L09Rik	AW120461	NM_028982
1213	171126_f_at	0.004292	2937.53	2239 .87	---	AV050312	NMJL45465
1214	104475_at	0.004293	516.7	339.93	---	AW124101	---
1215	109521_at	0.004301	1484.37	1240 .57	---	AW123386	NM_008957
1216	103228__at	0.004303	853.93	459. 87	Mtmr7	AF073882	NM_019433
1217	137563_f_at	0.004303	544.03	276. 9	Akai7	AA966954	NM_018747
1218	114383_at	0.004309	649.33	450.67	Sc5d	AI834900	NM_172769
1219	102225_at	0.004313	1407.33	1042.07	9630005B12Rik	AA163268	NM_013862
1220	163749_at	0.004316	958.63	457.2	1200007B05Rik	AA433491	NM_026165
1221	106571_at	0.00432	511	336.53	Lztfll	AI849674	NM_033322
1222	107880 _at	0.004333	1459.67	958.07	---	AI846611	NM_030719

Table 5

1223	94362_at	0.004352	1169.87	1068.53	Nras	AI843682	NM_010937
1224,	96801_at	0.004367	1742.87	1264.73	AkI	AJ010108	NM_021515
1225	103710_at	0.004379	146.47	126.8	---	AI037032	NM_001029892
1226	lS7468_at	0.004382	579.43	394.67	AW011752	AV322674	NMJ.34034
1227	134046_at	0.00439	858.6	312.87	Wnt5a	AA288297	NM_009524
1228	117107_at	0.004392	4034.33	2874.17	Ppmll	AI8377S8	NM_178726
1229	104216_at	0.004395	250.13	126.7	Shoc2	AF068921	NM_019658
1230	140886_at	0.004401	1988.5	1330.13	E1303 07J04Rik	AW121467	NM_021885
1231	101830_at	0.004423	383.2	281.57	Ryr3	X83934	XM_619795 /// XM_619796
1232	116003_at	0.004424	696.9	438.97	Slc35e3	AI594591	NM_029875
1233	93063_at	0.004462	23246.1	15966	App	U82624	NM_007471
1234	93615_g_at	0.004464	269.13	202.03	Pbx3	AF020200	NM_016768
1235	97210_at	0.004478	1133.07	893.2	1700037H04Rik	AW048446	NM_026091
1236	111753_at	0.00448	1066.4	520.9	Zfp294	AI156159	XM_128374 /// XM_489597
1237	105838_at	0.004486	1454.6	1290.33	Ppp2r5b	AI846204	NMJL98168
1238	163041_at	0.004491	16587.2	11789.37	D10Ertd749e	AI846333	NM_025635
1239	136007_at	0.004509	2482.17	1049.2	BC044798	AW122183	NMJL72442
1240	10l889_s_at	0.004522	486.63	179.73	Rora	U53228	NM_013646
1241'	131220_f_at	0.004529	8316	6792.17	4931426NllRik	AW123699	NM_172579
1242	94196_at	0.004537	399.2	286.37	Ikbkg	AF069542	NM_010547 /// NM_178590
1243	9903G_s_at	0.004542	176.03	58.5	Map2k7	AB005654	NM_011944
1244	115855_at	0.004571	566	206.93	Man2a2	AI851620	NM_172903
1245	108554_at	0.004578	2974.77	1457.53	4631427 C17Rik	AI851845	NM_021414
1246	136202_at	0.004608	1048.97	392.87	Usp33	AI853456	NM_133247
1247	158228_i_at	0.004617	598.77	208.63	Slc35a5	AV260137	NM_028756
1248	163425_at	0.004623	900.03	501.43	1500012D09Rik	AA472312	NM_172601
1249	108044_at	0.00463	456.4	242.5	2310007F12Rik	AW123980	NM_175146
1250	99048_g_at	0.004632	2054.9	724.07	Mobp	U81317	NMJ)O 8614
1251	103559_at	0.004647	3027.67	1508.97	Prkaca	M12303	NM_008854
1252	APPX-BioC-3_at	0.004654	1293	561.17	---	J04423	---
1253	114015_at	0.004659	1213.93	651.73	Leprotll	AW122473	NM_026609
1254	139533_at	0.004667	1847.6	670.97	6820402O20Rik	AW047575	XM_133187
1255	138058_at	0.004684	1572.47	1103.27	Disp2	AI835296	NM_170593
125S	109951_at	0.004686	459.8	305.13	---	AI644184	NM_199476
1257	94918_at	0.004691	1078.17	957.2	Aars	AI839392	NM_146217
1258	110421_at	0.004698	648.03	425.3	0610010K06Rik	AW060214	NM_027861
1259	95416_at	0.004731	557.03	323.93	Uspl5	AI642184	NM_027604
1260	105934_at	0.004731	263.1	81.03	9130423L19Rik	AI846379	NM_029869 /// NM_133906

Table 5

1261	105901_at	0.004741	4201.7	3196.97	Neurod2	AI849563	NM_010895
1262	105272_at	0.004744	452.37	262.27	4930487N19Ri]c	AA139112	XM_283206
1263	96854_at	0.004748	2550.2	1889.2	Copa	AJ010391	NM_009938
1264	109962_at	0.004763	1268.53	571.63	Prkar2b	AI314322	NM_011158
1265	103682_at	0.004767	301.47	185.2	C80913	AA122571	NM_011274
1266	93540_at	0.00477	2499.67	2067.37	Adprh	L13290	NM_007414
1267	112053_at	0.004784	600.67	334.83	E130103E02Rik	AI451118	XM_150227
1268	160558_at	0.004822	1258.3	1084.3	Akt2	U22445	NM_007434
1269	113753_at	0.004831	571.8	206.3	Stard4	AA895787	NM_133774
1270	98587_at	0.004833	1673.8	956.17	Naplll	X61449	NM_015781
1271	106023_at	0.004833	503.97	353.9	Dph212	AW047512	NM_026344
1272	93839_at	0.004837	7516.33	4968.97	Rtn3	AI854888	NM_001003930 /// NM_001003933 /// NM_001003934 /// NM_053076
1273	139261_at	0.004839	5346.13	3049.13	D6Ertd32e	AW046224	NM_001003955 /// NM_177466
1274	108362_g_at	0.004841	2428.9	806.77	Nr3cl	AW060548	NM_008173
1275	99855_at	0.004847	617.43	456.8	Map3k5	AB006787	NM_008580
1275	99045_at	0.004853	7833.93	6114.47	Eno2	AC002397	NM_013509
1277	115740_at	0.00487	244.87	113.67	2610020CllRik	AI875624	NM_028130
1278	163130_at	0.004895	6232.4	4534.37	---	AW212010	NM_007561
1279	99046_at	0.004916	1178.2	523.73	Mobp	AI834776	NM_008614
1280	104105_at	0.004933	1530.77	1265.5	Xpo6	AI854665	NM_028816
1281	96433_at	0.004944	92.8	44.37	---	AA673236	NM_021323
1282	160428_at	0.004952	636.53	356.63	Suclg2	AF058956	NM_011507
1283	137719_at	0.004957	1227.03	282.53	Csrad3	AW049014	XM_139502
1284	160427_at	0.004963	1807.47	1393.1	---	AW046323	NM_JL78610
1285	108712_at	0.004975	1985.57	1585.03	Cobl	AI844390	NM_172496
1286	115718_at	0.004986	239.9	123	D630032B01Rik	AW049329	NM_172532
1287	139199_at	0.004988	1465.7	684.6	Slcl2a6	AI847794	NM_JL33648 /// NM_133549
1288	129880_s_at	0.004988	11640.43	8627.07	Bhlhb5	AW122356	NM_021560
1289	160240_at	0.004991	2287.57	1901.53	1110003E01Rik	AI852051	NMJL33697
1290	99047_at	0.005009	3848.47	1793.43	Mobp	U81317	NM_008614
1291	98007_at	0.005013	987.23	808.07	Rps6ka2	AJ131021	NM_011299
1292	95559_at	0.00502	2954.2	2562.97	6330403K07Rik	AI838836	NM_134022
1293	92397_at	0.005024	2527	1814.8	Centg2	AW123016	NM_178119
1294	104119_at	0.005027	796.67	593	AW060714	AI845028	NM_146084
1295	101571_g_at	0.005034	849.5	561.93	Igfbp4	X76056	NM_010517
1296	113014_at	0.005036	119.73	59.53	Sfmbtl	AA882264	NM_019460
1297	138126_at	0.005039	1710.6	817.43	---	AW048176	XM_354566

Table 5

1298	105243_at	0.00506	856.17	480.97	D6Ertd349e	AI557996	NM_182784
1299	96066_S_at	0.005073	13711.33	10007.77	Pkra2	X97047	NM_011099
1300	103751_at	0.005089	346.57	189.43	AA409316	AA833096	NM_134087
1301	9350S_at	0.005095	2440.13	2091.9	Ube2b	U57690	NM_009458
1302	106463_at	0.005095	443.83	232.4	---	AI850334	XMJ.29010
1303	93615_at	0.005096	224.6	149,.67	Pbx3	AF020200	NM_016768
1304	139493_at	0.005104	1115.77	168.2	C030032C09Rik	AI840105	XM_618798
1305	16681S_at	0.005104	3492.67	2573.4	Cul5	AI852S17	NM_027807
1306	163689_at	0.005118	1826.83	1399.17	Mtel	AA286242	NM_134188
1307	98475_at	0.005122	288.37	166.33	---	U69262	NM_016762
1308	110581_at	0.005132	1881.9	1019.03	5730405109Rik	AA189229	NM_026484
1309	AFFX-BioB-M_at	0.005133	3728.1	1675.43	---	J04423	---
1310	113094_at	0.005141	1360.93	523.67	2700038M07Rik	AA175692	NM_019653
1311	98081_at	0.005156	346.93	226.27	Gtf3a	AI853173	NM_009087 /// NMJL81730
1312	165698_i_at	0.005165	1254.63	663.57	Zfp261	AI117254	NM_019831
1313	112378_at	0.005173	676.73	488.87	Sh3kbpl	AI842868	NM_0213 89
1314	165581_at	0.005174	8621.83	6836.47	0710005M24Rik	AI841362	NM_178631
1315	131772_at	0.005176	698.97	369.9	---	AI427604	---
1316	96011_at	0.005204	1494.77	699.97	Matr3	AB009275	NM_010771
1317	104654_at	0.005212	1097.53	731.63	Actl6	AI847 687	NM_031404
1318	117005_at	0.005222	4286.03	2829.87	C030033M19Rik	AW124012	NM_001012623 /// NM_001012624 /// NM_001012625 /// NM_053270 /// NM_183018
1319	117178_at	0.005232	1974.23	1314.27	---	AI844448	XM_484616
1320	109105_i_at	0.005236	369.97	126.73	Parva	AW122202	NM_020606
1321	92870_at	0.005242	711.37	356.1	Sellh	AF063095	NM_011344
1322	108373_at	0.005248	318.57	224.83	B930006L02Rik	AW124108	NM_178764
1323	166513_at	0.005248	1402.9	677.1	C130038G02Rik	AI844429	NM_001033601 /// NM_029920
1324	112072_at	0.005261	1185.47	610.67	---	AW124532	XM_488897
1325	162855_at	0.005268	1356.23	490.77	Btbdl4b	AI851205	NM_025788
1326	94970_at	0.005271	351.6	226.27	C230060M08Rik	AI852314	NM_182939
1327	108308_at	0.005275	800.9	544.7	A730011F23Rik	AW124712	XM_620260
1328	111083_at	0.005296	961.37	270.7	Tcf4	AW122341	NM_013685
1329	163885_at	0.005298	1346	820.53	Ube2d3	AA104137	NM_025356
1330	106893_at	0.005314	2810.33	2067.67	Lgi3	AW046096	NM_145219
1331	161616_f_at	0.00535	659.37	413.53	---	AV354117	NM_023396
1332	102030_at	0.005367	170.4	80.43	Atrx	AF026032	---
1333	97451_at	0.00538	911.3	767.37	Mcfd2	AI837599	NM_139295 /// NM_176808
1334	103520_at	0.00541	226.37	74.07	Vegfa	M95200	NM_001025250 /// NM_001025257 /// NM_009505

Table 5

1335	93652_i_at	0.005432	869.97	373.93	Vamp1	U61751	NM_009496
1336	101367_at	0.005437	4226.53	2633.33	Dctn1	U60312	NM_007835
1337	165770_at	0.005453	5468.3	4427.33	4833444A01Rik	AI851927	---
1338	130469_s_at	0.005454	476.07	307.07	Rbm5	AW049099	NM_148930
1339	165532_r_at	0.005456	5142.43	1436.67	Pum1	AW214087	NM_030722
1340	105301_at	0.00547	1823.27	1184.33	1700020I14Rik	AW121997	XM_488956
1341	106936_at	0.005486	859.37	453.4	A230020K05Rik	AI846328	NM_029930
1342	140699_at	0.005489	776.03	362.7	Gsk3b	AW124014	NM_019827
1343	92492_at	0.005497	233.43	116.8	Ak31	AB020203	NM_021299
1344	112867_at	0.005499	1177.37	540	1600019D15Rik	AI846416	NM_028975 /// NM_030108
1345	163246_at	0.005534	7265.27	4449.77	Usp22	AA939763	NM_001004143
1346	94955_at	0.005541	411.33	266.57	5530600A18Rik	AW125433	NM_027799
1347	97160_at	0.005542	1104.73	464.7	Sparc	X04017	NM_009242
1348	167463_r_at	0.005548	2373.17	1528.3	Ubqln1	AV233802	NM_026842 /// NM_152234
1349	109410_at	0.005557	1681.63	1086.63	9230102N17Rik	AW121121	NM_001012518 /// NM_172545
1350	106581_at	0.005558	3146.6	1986.07	0610042I15Rik	AW049498	NM_019661
1351	162723_at	0.005579	605.5	416.07	Cacnb4	AW046306	NM_146123
1352	103967_at	0.005589	94.83	25.1	Mid2	AI551105	NM_011845
1353	114526_at	0.005618	257.23	138.1	St71	AI265613	NM_153091
1354	162834_at	0.005623	918.97	352.43	Ddah1	AW050076	NM_026993
1355	102316_at	0.005635	662.13	488.1	Capn5	Y10656	NM_007602
1356	135364_at	0.005652	727	440.73	---	AI506466	---
1357	160203_at	0.005657	976.8	784.73	5330419I01Rik	AA840409	NM_134081
1358	137165_at	0.005698	539.6	242.9	---	AI327233	XM_138063
1359	108490_at	0.005699	1604.8	1184	Pten	AI463227	NM_008960
1360	105072_at	0.005699	152.8	80.47	A630082K20Rik	C86444	XM_145254
1361	93618_at	0.0057	4272.2	3346.03	Spnb3	AF026489	NM_021287
1362	93852_at	0.005703	2455.53	1383.27	Mef2a	AW045443	NM_001033713
1363	110625_at	0.005716	142.53	50.77	5730538E15Rik	AI591648	NM_173443
1364	113012_at	0.005724	2570.07	1620.67	Gpd2	AI846919	NM_010274
1365	113288_at	0.005734	461.17	306.4	Klf3	AA967846	NM_008453
1366	136244_at	0.005746	1726.53	1223.8	---	AI845568	NM_138682
1367	138507_at	0.005753	10250.77	7440.2	---	AI852513	---
1368	98083_at	0.005765	814.7	537.37	Copeb	AW049031	NM_011803
1369	92183_at	0.005765	1082.07	748.07	Dtna	Z79787	NM_010087 /// NM_207650
1370	98731_at	0.005769	345.03	184.67	Rab5b	X84239	NM_011229 /// NM_177411
1371	166605_at	0.005775	1814.87	1192.47	---	AI315686	---
1372	112648_f_at	0.005809	314.23	131.93	Mtf2	AA623502	NM_013827

Table 5

1373	112203_at	0.005844	755.6	412.1	Gmfb	AI159117	NM_022023	
1374	104354_at	0.005853	1396.97	1039.63	Csflr	X06368	NMJJ07779	
1375	9617 8_at	0.005862	1505.53	1006.93	Myst2	AI850636	NM_177619	
1376	139224_at	0.005874	2749.97	1474.03	Habp4	AW049540	NM_019986	
1377	92445_at	0.005889	317.07	161.03	Cacnala	U76716	NM_007578	
1378	103436_at	0.005898	828.53	491.23	Gtpbpl	U87965	NM_013818	
1379	165951_i_at	0.005901	656.4	321.63	BC034507	AI427140	XM_131888	
1380	101857_at	0.005903	768.4	376.57	Srpk2	AB006036	NM_009274	
1381	160880_at	0.005909	2459.9	1621.83	Mapk8ip3	AB005S62	NM_013931	
1382	137513_at	0.005913	1559.1	1084.4	ElavU	AI666779	---	
1383	135272_at	0.005915	2621.73	1599.8	C030032C09Rik	AI852221	XM_618798	
1384	166810_at	0.005935	23233.1	15988.13	Trim37	AW123384	NM_197987	
138S	103611_at	0.005938	4211.93	3078.03	Cd47	AB012693	NM_010581	
1386	139147_at	0.005959	713.43	509.4	---	AW121331	---	
1387	107426_at	0.005967	449.47	244.57	4932408F19	AW047162	NM_207225	
1388	95405_at	0.005971	959.3	709.1	Mesdc2	AW045534	NM_023403	
1389	163574_at	0.005977	4355.03	2839.63	Slc4alO	AI849868	NM_033552	
1390	106648_at	0.005982	3713.67	2056.93	CkIf Sf3	AW045837	NM_024217	
1391	160320_at	0.006013	795.67	566.33	Sorbsl	U58883	NMJ301034962	/// NM_001034963 /// NM_001034964 /// NM_009166 /// NM_178362
1392	166439_at	0.006015	1955.23	1178.67	Pigb	AI875170	NM_028181	
1393	166843_at	0.006018	15151.47	11120.73	---	AI851523	---	
1394	160777_at	0.006026	2765.73	2052.27	AA408451	AI851515	XM_127105	
1395	98635_at	0.00603	1074.7	653.9	DllM0h35	AI854629	NM_ 172300	
1396	109647_at	0.006032	1519.87	982.07	E030026I10Rik	AI021441	NM_008687	
1397	104293_at	0.006034	1368.17	1063.37	1810045K06Rik	AI882440	XM_144142	
1398	101564_at	0.006036	358.03	180.3	Cnot7	U21855	NM_011135	
1399	1068D5_at	0.006039	318.03	158.33	9130023D20Rik	AW048267	NM_178746	
1400	99196_at	0.00604	3473.47	1792.03	- -	AI848532	NM_001024622	
1401	109760_at	0.006051	5266	4132.83	Dnajc5	AI848972	NM_016775	
1402	166807_at	0.006072	3665.53	2646.03	Kcnjll	AI842722	NM_010602	
1403	109679_at	0.006077	2736.23	2003.93	Galntll	AI841003	XM2283069	
1404	107411_at	0.00608	387.57	134.87	Pik3ca	AW048031	NM_008839	
1405	109550_at	0.006082	227.03	148.87	1110032A04Rik	AW122199	NMJL33675	
1406	11385S_at	0.00609	3845.8	2671.67	---	AI840093	NM_001029877	
1407	92518_at	0.006091	504.77	411.57	Neol	Y09535	NM_008684	
1408	162978_at	0.006148	684.4	471.17	BB075781	AI840731	NM_027712	/// NM_177639
1409	163300_at	0.006154	411.9	306.47	2610206B13Rik	AI842125	NM_026047	

Table 5

1410	111211_at	0.006173	2323.23	1391.4	---	AW122869	NMJL98105
1411	110643_at	0.006178	387.63	263.9	Crlzl	AIS16280	NM_023054
1412	104327_at	0.006195	1099.97	640.17	9030612M13Rik	AA755234	---
1413	111080_at	0.00621	559.6	336.9	B230022H04Rik	AA762313	NMJL53515
1414	162985_at	0.006215	1336.23	565.93	Pbxl	AI848790	---
1415	92374_at	0.006218	789.93	568.4	---	AW120691	NM_001008533 /// NM_009629
1416	99432_at	0.006222	285.97	162.87	Cyln2	AJ228865~	NM_009990
1417	93341_r_at	0.006234	3731.17	3026.17	Copb2	AF043120	NM_015827
1418	98596j3_at	0.006235	1477.97	1036.97	Siat9	Y15003	NMJ501035228 /// NMJ311375
1419	116929_at	0.006243	1056.1	776.73	---	AI835351	---
1420	135785_at	0.006275	325.27	27.3	---	AI836579	XM_356997
1421	99146_at	0.006303	645.83	489.57	Stx6	AW124355	NM_021433
1422	11276Ï_at	0.006305	1399.63	517.3	Utrn	AI227355	NM_011682
1423	109499_at	0.006312	694.77	443.5	4930565N16Rik	AA990018	XM_125517
1424	96375_at	0.006313	144.07	97.03	---	C80249	---
1425	1385-24_r_at	0.006336	3953.53	2722.57	9530033F24Rik	AI836314	XM_622106 /// XM_622111
1426	98841_at	0.006357	222.33	147.07	Acvr2	M65287	NM_007396
1427	92769_at	0.006359	2172.7	1616.03	Psmd3	M25149	NM_009439
1428	105878_at	0.006361	499.07	230.6	---	AI846717	---
1429	166321_at	0.006381	972.8	473.17	Cdc37l	AI851215	NM_025950
1430	95142_s_at	0.006401	3681.53	2150.77	Capzb	U10407	NM_009798
1431	160936_at	0.00643	308.4	225.33	Traml	AA763937	NM_028173
1432	111382_at	0.006434	36045.3	27935.8	Calml	AI835341	NM_009790
1433	109329_at	0.006438	373.27	143.97	6430526OllRik	AA915457	XM_110937
1434	166213_at	0.006442	1319.47	969.8	2410089E03Rik	AW121869	XMJL27911
1435	95335_at	0.006443	692.07	462.17	Cx3crl	AF074912	NM_009987
1436	99445_at	0.006455	169.5	122.13	1110028E10Rik	AWO 47012	NM~152808
1437	166740_at	0.006461	2266.7	1762.27	D16Wsul09e	AA624602	---
1438	109651_at	0.006469	196.73	125.5	SOCS2	AA7 64618	NM_007706
1439	168018_at	0.006472	876.03	571.73	BC003322	AI154887	NM_030257
1440	AFFX-CreX-5_st	0.006473	202.03	110.93	---	X03453	---
1441	111335_at	0.006498	1794.23	1082.87	1110019L22Rik	AW112222443355	NM_026756
1442	114055_at	0.00651	1861.93	1350.2	---	AI848667	---
1443	98872_at	0.006516	351.4	163.37	Ugt8	U48896	HM_011674
1444	93752_at	0.006519	888.57	743.3	B430001P04Rik	AI848393	NM_172015
1445	101483_at	0.006548	1842.5	1506.4	Ccndbpl	AI850862	NM~010761
1446	100494_at	0.00655	320.37	207.63	Fgfl	M30641	NM_010197
1447	162057_f_at	0.006565	544.4	305.73	---	AV269118	NM_026002

Table 5

1448	163820_at	0.006576	435.87	297.4	Csnk2a2	AW122718	NM_009974
1449	139123_at	0.006584	4033.37	1904.63	Syngr1	AI854087	NM_009303 /// NM_207708
1450	112330_at	0.006586	2086.6	1524.93	Fbxo25	AI847020	NM_025785
1451	137584_f_at	0.006588	1689.27	1059.4	---	AI504044	---
1452	139403_s_at	0.006588	2537.57	1216.93	Dgcr2	AI643076	NM_010048
1453	92673_at	0.006604	811.77	470.33	Sh3gl2	U58886	NM_019535
1454	134251_at	0.006613	1760.8	1251.8	Pde7b	AI551165	NM_013875
1455	112804_at	0.006632	4820.3	3124.9	1500001H12Rik	AI849194	NM_021318
1456	139195_at	0.006646	155.57	58.67	1190030G24	AW047739	XM_622107
1457	104361_at	0.006661	598.73	500.37	LOC232337	AI837260	NM_177684
1458	166874_r_at	0.006675	4354.37	2501.43	LOC381325	AI852300	---
1459	94105_at	0.006695	1465.13	1010.5	Cdc42	L78075	NM_009861
1460	107354_at	0.006704	3892.87	2621.4	Slitrk5	AW049472	NM_029273 /// NM_198865
1461	112963_at	0.006732	363	177.43	Zfpl20	AI315103	NM_023266 /// NM_181266 /// NM_181267
1462	110169_at	0.006738	557.2	218.5	Pdxk	AW214049	NM_172134
1463	112874_at	0.00674	3524.6	2195.43	Ppp3ca	AW123588	NM_008913
1464	138007_at	0.006741	3497.7	1878.37	---	AI851235	NM_011323
1465	105700_at	0.006761	8505.3	4190.5	Sytl	AW125093	NM_009306
1466	106483_at	0.006772	321.2	227.1	2410014A08Rik	AI850530	NM_175403
1467	93309_at	0.006798	702.9	320.13	Ddx3x	U42386	NM_010028
1468	115376_at	0.006801	1297.93	765.53	4933439F18Rik	AI850511	NM_025757
1469	98960_E3_at	0.006828	580.67	339.5	B3galt3	AF029792	NM_020026
1470	163285_at	0.006835	451.07	359.43	Rail4	AI853224	NM_030690
1471	100713_at	0.006859	211.83	124.1	LOC170938	AB020542	NM_133358
1472	110569_at	0.006875	251.9	137.13	AW556347	AW121158	NM_183186
1473	111761_at	0.006911	6308.27	4450.93	Pde1a	AW125737	NM_001009978 /// NM_001009979 /// NM_016744
1474	AFFX-BioC-3_at	0.006943	4018.07	1730	---	J04423	---
1475	96655_g_at	0.006944	790.8	516.4	8430408H12Rik	AI852916	NM_026236
1476	113597_g_at	0.006949	2283.83	1461	4931406I20Rik	AI842100	NM_025739
1477	115058_at	0.006951	1120.33	762.37	---	AA756546	---
1478	164120_at	0.006959	509.33	279.47	Rpe	AI326009	NM_025683
1479	96592_at	0.006965	835.27	403.37	Pik3r1	U50413	NM_001024955 /// NM_011085
1480	115021_at	0.006976	1446.33	607.5	2810468K05Rik	AI390477	XM_484053
1481	160483_at	0.007019	2342	1530.63	Tcf4	U16322	NM_013685
1482	164219_at	0.007021	1032.83	715.6	Phc3	AA967551	NM_153421
1483	92461_at	0.007024	944.37	709.53	Mmp17	AB021224	NM_011846
1484	110518_at	0.007082	1075.63	592.13	0710005I19Rik	AW123483	NM_001007569

Table 5

1485	114130_at	0.007083	679.9	468.17	Ap3s2	AI843423	NM_009682
1486	133833_at	0.007091	1712.5	1397.03	---	AA210380	---
1487	117035_at	0.007113	1292.43	815.1	Atp8a1	AI853962	NM_009727
1488	103842_at	0.007116	524.63	205.27	Ddx3y	AJ007376	NM_012008
1489	95472_f_at	0.007126	1334.93	899.47	Uqcrb	AI526902	NM_026219
1490	113534_at	0.00715	349.17	212.07	Trpc4ap	AA821949	NM_019828
1491	100592_at	0.00717	2068.57	1465.3	Ghittn	AI929971	NM_078478
1492	93635_at	0.007177	1216.33	961.07	Kif3c	AF013116	NM_008445
1493	135312_at	0.007186	3882.57	2941.37	Bral2	AI841064	NM_177900
1494	111990_at	0.007211	737.33	601.4	Lman21	AI843115	NM_001013374
1495	104591_g_at	0.00722	2197.43	1446.23	Mef2c	L13171	NM_025282
1496	93614_at	0.007224	474.83	312.13	Rragd	AA600647	HM_027491
1497	111138_at	0.007226	573.8	369.23	---	W91678	XM_126S51
1498	166664_at	0.007226	514.73	251.43	1200009K13Rik	AV298782	NM_025814
1499	93667_at	0.007238	2698.57	1937.37	Fbxw7	AW120511	NM_080428
1500	112459_at	0.00724	1023.9	811.53	Mapkapl	AW123352	NMJL77345
1501	112862~at	0.007246	1651.57	704.43	Agpat3	AI839358	NM_053014
1502	96884_at	0.007249	576.53	444.63	Carhspl	AI847631	NM_025821
1503	116694_at	0.007255	1688.7	1070.03	BC018242	AI413751	NM_144935
1504	160760_at	0.007256	767.7	555.1	Ptprk	L10106	NM_008983
1505	106978_at	0.007257	599.63	434.13	4733401N12Rik	AI843004	NM_001013391
1506	108575_at	0.007268	3140.3	2584.33	Egfl5	AI842010	---
1507	114064_at	0.007281	619	414.57	Eya3	A1844637	NM_010166 /// NM_21O071 /// NM_211356 /// NM_211357
1508	93803_at	0.007285	1211.07	943.83	Pstne3	AB007139	NM_011192
1509	137501_f_at	0.007292	749.9	407.13	2010007LlBRik	AI529536	NM_007386
1510	98538_at	0.007305	845.33	615.83	2610507BllRik	X81632	NM_001002004
1511	110163_at	0.007308	870.1	565.2	---	AW259659	NM_180600
1512	130911_at	0.007313	3565.47	2255.23	---	AI197367	---
1513	161467_f_at	0.00734	2021.1	1730.43	---	AV348528	NM_009721
1514	162676_at	0.007346	1449.7	913.3	Glccil	AA647842	NM_133236 /// NM_178072
1515	108748_g_at	0.007348	564.67	330.73	---	AI553620	---
1516	93583_s_at	0.007349	578.9	432.87	Igh-6	V00817	XM_177464 /// XM_484186
1517	109790_at	0.007358	356.67	194.1	...	AI414473	NM_019431
1518	9858 0_at	0.007361	1480.17	979.3	Ppmla	D28117	NM_008910
1519	162631_at	0.00737	389.07	279.17	G430022H21Rik	AI594352	NM_201638
1520	110606_at	0.007372	903.73	624.63	D2Bwgl356e	AW122417	XM_130523
1521	107582_at	0.007396	1446.73	934.73	---	AW050026	---
1522	102835_at	0.007431	782.07	582.47	Ap2a2	X14972	NM_007459

Table 5

1523	106990_at	0.007471	1646.43	674.97	A830007M12	AI843411	NMJ.98250
1524	106S25_at	0.00751	559.63	408.67	9630033F20Rik	AW125887	NMJL77003
1525	11113 l_g_at	0.007513	690.03	410.63	4333435E07Rik	AW123159	NM_173180
1526	112756_at	0.007516	1022.4	759.6	1810009A16Rik	AA050204	XM_355528
1527	107009_at	0.007528	7079.4	4280.33	---	AI842805	---
1528	110986_at	0.007556	587.23	350.27	B230205M03	AI046348	---
1529	134152_at	0.007557	326.37	185.17	6030490I01Rik	AA208287	NMJL773 59
1530	104414_at	0.007558	846.07	567.93	Gnao	AW050194	NM_010308
1531	114622_at	0.007558	1175.73	605.07	3830421F13Rik	AI850440	NM_027226
1532	99501_at	0.007582	707.17	281.9	3100002M17Rik	AA882416	NMJD27016
1533	99459_f_at	0.007605	335.93	97.4	Mark2	X70764	NM_007928
1534	96596_at	0.007623	1231,3	926.2	Ndrl	U52073	NM_008681 /// NM_010884
1535	111123_S_at.	0.007641	286S.83	1954 .5	Metapl	W63868	NM_175224
1536	134688_at	0.007643	274.9	68.97	Foxp2	AI449000	NM_053242 /// KM_212435
1537	136174_at	0.007654	2965.07	2384.3	---	AW048956	---
1538	163719_at	0.007658	412.4	270.23	0610011N22Rik	AI591477	NM_024201
1539	134039_at	0.007683	3816.77	1298.23	Gng2	AA253748	NM_010315
1540	129315_at	0.007695	1153.03	386.07	BC035291	AI122193	---
1541	9473 7_at	0.007703	481.03	2S3.63	Adcy 8	IJ85021	NM_009623
1542	114536_at	0.007704	577.2	369.33	1810013L24Rik	AA792997	XM_148044 /// XM_622721
1543	109709_at	0.007718	1071.13	691.83	2810489O06Rik	AW124034	NM_175386
1544	115217_at	0.007726	744.07	591.27	Nfat5	AI852272	NM_018823 /// NM_133957
1545	97097_at	0.007732	397.87	258.13	4732465J09Rik	AW125669	XM_356161
1546	109570_at	0.007743	488.1	285.67	1110015E18Rik	AA763178	NM_026536
1547	93446_at	0.007747	83.2	28.53	---	U48721	NM_009560
1548	107466_at	0.007779	500	272.63	---	AW045897	NM_001014390
1549	96464_at	0.007785	409.97	299.6	E>lxnb2	N28179	~ XM_484491
1550	93235_at	0.007793	230.8	130.7	BB128963	AI020029	HM_172742
1551	108471_at	0.007799	267.33	177.27	903 0416H16Rik	AW105925	---
1552	113182_at	0.007805	319.5	154.43	Hdlbp	AI844871	HM_13380B
1553	160517_at	0.007811	218.83	169.93	Lmnbl	M35153	NM_010721
1554	99154_s_at	0.007823	449.3	404.93	1810020D17Rik	AW122625	NM_183251
1555	114982_at	0.007837	1835.07	1416.93	Prkaa2	AA959852	NM_178143
1556	112157_at	0.00784	1189.03	597.07	9430077C05Rik	AW122374	XM_619731 /// XM_622875
1557	96255_at	0.007844	1566.93	1260.23	Bnip3l	AP067395	NM_009761
1558	104176_at	0.007863	127.03	76.1	C79663	AI850941	NM_177762
1559	166096_f_at	0.007895	1385.67	775.97	2900054P12Rik	AW125683	NM_028407
1560	136056~at	0.007909	2762.03	1374.4	Mapk8	AA645429	NM_016700

Table 5

1561	162906_at	0.007913	344.83	251.03	1110001M19Rik	AA793025	KM_001024205
1562	162722_at	0.00792	2065.5	1363.93	BC043098	AI845023	NMJ.74997
1563	96913_at	0.007941	1226.8	875.4	----	AW122615	NMJL45558
1564	104432_at	0.007966	1462.47	1155.63	Arhn	AF016482	NM_009708
1565	92519_at	0.007989	243.37	151.17	Phkal	X74616	NM_008832 /// NM_173021
1566	104407_at	0.007996	880.43	588.73	Alcam	L25274	NM_009655
1567	94478_at	0.007999	2578.87	2176.3	---	AI841377	NM_025887
1568	163781_at	0.008001	198.17	156.5	2810407C02Rik	AI842531	XM_283848
1569	116987_at	0.00804	969.23	610	4631434019RiJc	AI842482	XM_130859
1570	167447_f_at	0.008046	741.67	539.37	AW260253	AV276666	NM_172930
1571	160287_at	0.008068	2016.8	1310.97	Mapllc3	AI852557	NM_026160
1572	110674_at	0.008072	1614.03	888.97	Sbnol	AA105753	XM_355637
1573	165011_i_at	0.008072	644.13	337.4	Rab3c	AV159057	NMJD23852
1574	105651_g_at	0.008077	2314.93	1560.37	---	AI315312	NM_178764
1575	95522_i_at	0.008078	446.27	294.7	Zfp68	AB024005	NM_013844
1576	92378_at	0.008094	635.97	373.2	Ptprzl -	AI849305	XM_620293
1577	136733_at	0.008095	1768.2	1227.1	---	AI850939	---
1578	94511_at	0.008097	280.63	161.13	---	AI850546	NM_025965
1579	96674_at	0.008098	1008.17	814.2	Tnpo3	AW123553	NMJL77296
1580	168021_at	0.008099	622.5	193.57	2900052N01Rik	AV153111	---
1581	107619_s_at	0.008118	1786.97	631.63	---	AW120573	XM_132143
1582	135351_i_at	0.008159	1238.97	884.3	MGC38922	AA914469	NM_144842
1583	101914_at	0.008166	1118.63	751.57	DlBrtd396e	AI846484	NM_021421
1584	133553_at	0.00817	265.6	65.57	---	AI595843	NM_025683
1585	93358_at	0.008176	684.57	487.67	1500010B24Rik	AI836451	NM_025437
1586	111384_at	0.008178	323.63	207.57	Zfpl91	AI019086	NM_021559
1587	96878_at	0.008189	298.9	142.8	1810044O22Rik	AW048566	NM_025558
1588	111262_at	0.00819	641.9	449.6	Duspll	AW061180	NMJ)28099
1589	171557_i_at	0.008191	562.53	281.53	---	AV116073	NM_172148
1590	160270_at	0.008203	815.63	527.53	Lmanl	AWlO 8371	NM_027400
1591	166812_at	0.008205	2438.3	1500.53	Kcnq5	AI844221	NM_023872
1592	107029_at	0.008237	691.53	589.73	E130306I01Rik	AW048342	NM_145471
1593	163642_at	0.008271	585.17	347.73	---	AI840898	NM_010315
1594	160843_at	0.008272	495.47	215.43	Spin	AA796214	NM_011462 /// NM_146043
1595	113629_at	0.008284	361.07	180.37	Stam2	AW047341	NM_019667
1596	110858_at	0.008299	4961.6	3251.53	B930006L02Rik	AW121823	NM_178764
1597	107910_at	0.008301	351.07	217.5	Cdadcl	AW124595	XM_127813
1598	117316_at	0.008347	618.9	448.37	Gpd2	AW124811	NM_010274

Table 5

1599	170044_s_at	0.008356	2245.9	1454.23	---	AV302009	NM_019774
1500	140640_at	0.008383	764.63	327.87	Cbx5	AI451142	NM_007626
1601	101138_at	0.008394	407.23	159.13	Gabrb2	U14419	NM_008070
1602	166666_at	0.008409	2220.63	1458.77	4732496O08Rik	AV369609	NMJL72877
1603	97724_at	0.008415	811.73	461.6	Cry2	AB003433	NM_009963
1604	9753 0_at	0.008421	1418.4	994.57	Ube2i	U82627	NM_Q11665
1605	92186_at	0.008435	166.13	87.7	Arx	AB006103	NM_007492
1606	92899_at	0.008451	339.87	122.4	Gad2	D42051	NM_008078
1607	110028_at	0.008453	133.43	59.43	---	AW124261	XM_129972
1608	98778_at	0.00849	1455.27	1076.43	D5Ertd606e	AI837543	NM__001009818
1609	113119_at	0.008511	637.53	422.17	Dαx42	AI835854	NM_028074
1610	107412_at	0.008511	471.93	291.4	---	AW048881	NM_201406
1611	129853_at	0.00852	· 12607.47	7835.73	C530050K14	AI838690	NM_001024955 /// NM_011085
1612	100980_at	0.008533	213.2	127,43	Rockl	U58512	NM_009071
1613	92220_s_at	0.008542	2501.77	1745.47	Binl	US0884	NM_009668
1614	161086_at	0.008551	117.8	41.73	Lin7c	AF087695	NM_011699
1615	114066_at	0.008553	724.77	380	Cugbpl	AI844119	NM_017368 /// NM_198683
1616	133711_at	0.008557	2601.83	1227.9	---	AI462512	NM_153057
1617	103090_at	0.008578	592.03	403.2	2410003P15Rik	AI838742	NM_018888
1618	129134_S_at	0.008589	1611.17	1211	Bbnalbp2	AA656774	NM_026932
1619	135441_at	0.008622	727.03	410.37	D8Ertd457e	AA673815	NM_181854
1620	11042 3_at	0.008629	2057.87	1192.77	2810425F24Rik	AA895554	NM_001003946
1621	108915_at	0.008669	241.03	108	Slcl7a6	AI841371	NM_080853
1622	130343_at	0.008677	5623.9	4699.57	---	AU016810	NM_001025192 /// NM_009988
1623	99991_at	0.008693	440.67	298.47	I117r	031993	NM_008359
1624	138513_at	0.008704	1357.9	611.93	---	AJ853785	---
1625	112325_at	0.008725	2969.47	2741.43	Bapl	AW124035	NM_027088
1626	104645_at	0.008739	628.57	420.27	Klf7	AI853712	NM_033563
1627	110752_at	0.008748	2609.4	1310.47	9430022M17Rik	AW122288	NM_010905
1628	139531_at	0.008748	835	388.83	Syt6	AW120795	NM_O18800
1629	115489_at	0.00876	7796.57	5344.07	Dpysl2	AI851130	NM_009955
1630	166681_at	0.008777	9765.77	6038.37	D130060C09Rik	AI447884	NM_177054 /// NM_199038
1631	92952_f_at	0.008782	3208.53	1484.47	Napb	X61455	NM_019632
1632	115922_i_at	0.008791	422.33	280.23	Cdhl3	AI550332	---
1633	104461_at	0.0088	693.57	264.67	Pik3ca	AW121773	NM_008839
1634	106975_at	0.008801	22452.6	13971.27	Atpla3	AI837081	NM_144921
1635	110682_at	0.008806	1573.6	1103.8	---	AW060479	XM_149712
1636	101998_at	0.008813	118.4	84.27	4833420G17Rik	AW125086	NM_026127

Table 5

1637	114121_at	0.008824	1750.17	1096.63	Secl512	AI462110	XM_355790
1638	98364_at	0.008846	276.2	142.8	Kcnd2	AF107780	NM_019697
1639	104214_at	0.008871	267.33	203.77	Slc7a8	AW122706	NM_016972
1640	110857_at	0.008876	1172.2	902.37	Rab6ip2	AW123950	NM_053204 /// NMJL78085
1641	94244_at	0.00892	1106.57	766	Ihpkl	AW123807	NM_013785
1642	110824_at	0.008934	3027.83	1723	Slcla3	AW121315	NM_148938
1643	113901_at	0.008999	2758.2	1549.2	Cap2	AI593827	NM_026056
1644	111229_at	0.009007	634.33	329.8	Slc38a2	AW123416	NMJ.75121
1645	103402_at	0.009031	837.13	583.07	Tm7sf3	AI848522	NM_026281
1646	101590_at	0.009036	429.5	231.3	Lamp2	AI747194	NM_001017959 /// NMJ310685
1647	140546_at	0.009043	10593.83	6101.23	Gfap	AI835926	---
1648	1675S9_at	0.00905	812.4	578.33	AA959934	AI467162	NMJL53167
1649	167886_f_at	0.009062	622.57	340.87	Rnfl38	AV205813	NM_019706 /// NM_207623
1650	102059_at	0.009106	1187.93	873.27	Nicnl	AW125418	NM_025449
1651	115067_at	0.009109	355.1	209.53	Secδ	AW048324	NM_009148
1652	104524_at	0.009112	1628.5	1110	1110001F24Rik	AI842825	NM_019821
1653	138947_at	0.009139	4408.4	3263.47	Kcnip2	AI851528	NM_030716 /// NM_145703 /// NMJL45704
1654	115879_at	0.009144	3088.17	2235.73	1700012G19Rik	AI837146	NM_025954
1655	115831_at	0.009149	934.3	764.2	---	AI837224	NM_139141
1656	134822_at	0.009152	1016.27	693.97	---	AI605231	---
1657	106442_at	0.009156	1866.3	1060.97	Gng7	AI850107	NM_010319
1658	136245_at	0.009156	980.47	476.07	Zdhhc2	AI845904	NM_178395
1659	107393_at	0.009163	465.27	272.27	Rbm5	AI502997	NM_148930
1660	114030_at	0.009165	450.5	299.43	DXIrax41e	AI851819	NM_173747
1661	111877_at	0.009192	1419.23	1141.93	---	AA939957	---
1662	97090_at	0.009215	151.63	99.63	Tcf20	U20282	NM_013836
1663	108745_at	0.009217	47S.03	263.27	9630050M13Rik	AI466491	XM_194000
1664	98827_i_at	0.009222	333.53	109.3	Kif5a	X61435	NM_008449
1665	163313_at	0.009242	526.3	199.83	~—	AI648173	XM_486329
1666	101529_g_at	0.009258	926.67	569.53	Tceal	D00925	NM_011541
1667	112204~at	0.009258	237.67	133.77	GcIm	AA636892	NM_008129
1668	93659_at	0.009316	783.47	206.73	Camk2a	X14836	NM_009792 /// NMJ.77407
1669	101919_at	0.009362	279.73	222.2	Zfx	M32309	NM_011768
1670	113596_at	0.009364	2148.83	1456.57	4931406I20Rik	AI842100	NM_025739
1671	93144_at	0.00937	1813.87	1496.87	AI317237	AI854602	NM_172819
1672	162919_at	0.009378	614	238.4	D930036B08Rik	AI227478	NM__198649
1673	100472_at	0.00942	930.63	448.7	Enah	D10727	NM_010135
1674	100037_at	0.009435	211.53	109.37	---	AW213225	NM_025860

Table 5

1675	104109_at	0.009479	998.03	700.13	4930438M06Rik	AI853773	NMJL4E564
1676	138054_at	0.009489	5233.07	3361.27	Faim2	AI835515	NM_028224
1677	93716_at	0.009497	789.1	551.03	Trim46	U16175	NM_017403 /// NMJL83037
1678	112481_at	0.009508	2948.4	1916.67	BC008150	AI852227	XM_484507
1679	115553_at	0.009509	9978.67	6896.73	Purb	AI841779	NM_011221
1680	93298_at	0.009512	1643.57	1136.63	Papssl	U34883	NM_011863
1681	112861_at	0.009513	1582	1010.23	Rassf3	AI839168	NM_138956
1682	160457_at	0.009525	6585.3	4888.47	9130413I22Rik	AW125397	NM_026242
1683	100708_at	0.009526	4070.13	3378.93	H3f3b	X13605	NM_00 8211
1684	98528_at	0.009527	1498.27	1303.03	2510006D16Rik	AI854901	NM_029748
1685	115382_at	0.009528	809.03	559.83	Etohi2	AI874853	NM_026799
1686	111659_at	0.00953	552:93	441.07	---	AI120758	---
1587	101973_at	0.009535	1046.63	807.97	Cited2	Y15163	NM_010828
1688	116518_at	0.009549	762.53	394.57	---	AI509356	---
1689	100139_at	0.009555	7196.13	5687.6	Pcskln	AI841733	NM_013892
1590	104058_at	0.009556	2708.33	2219.4	1110018J12Rik	AW047528	NMJ528658
1691	111806_at	0.009572	2259.57	1473.23	Puml	AI848885	NM_030722
1692	93054_at	0.009595	4271.87	3052.73	1110054N06Rik	AI8463 68	NM_175134
1693	160387_at	0.009595	197.8	159.77	1110055L24Rik	AI853900	NM_025422
1694	112505_at	0.009598	1381.4	971.27	1110030H18Rik	AI851182	NM_026B05
1695	167611_at	0.009611	1370.4	822.13	Abcf2	AV214932	NM_013853
1696	96716_at	0.009619	1476.97	128~7.03	1110003E01Rik	AW121102	NM_133697
1697	94055_at	0.009621	316.27	153.97	Cttn	U03184	NM_007803
1698	98922_at	0.009634	315.8	253.47	Itml	L34260	NM_00840a
1699	107091_at	0.009634	1355.9	847.27	4121402D02Rik	AI853096	NM_028722
1700	162677_at	0.009654	1179.13	969.5	Fath	AA647211	---
1701	99663_g_at	0.009667	709.6	583.53	Pcnt2	AI194767	NM_001002929
1702	98513_at	0.009667	1228.23	922	0610033N12Rik	AI851821	NM__019988
1703	101980_at	0.009704	643.57	409.97	Rpo2tcl	J03750	NM_"θll294
1704	104041_at	0.009706	3885.93	2505.73	1810009A16Rik	AW122255~	XM_355528
1705	160308_at	0.009728	303.7	200.8	Msn	AI839417	NM_010833
1706	95800_s_at	0.009737	128.93	50.9	---	X53250	NMJD09540 /// NM_011768
1707	96002_at	0.009744	735.57	603.83	4921505F14Rik	AW123936	NM_025783
1708	99010_at	0.009753	541.47	453.8	IsIr	AB024538	NM_012043
1709	106606_at	0.009755	1950.27	1601.4	Mfn2	AI854053	NM_133201
1710	114397_at	0.009779	1874.17	1540.63	9030409GllRik	AI843245	NM_144531
1711	93261_at	0.009794	934.03	716.27	Lgmn	AJ000990	NM_011175
1712	93660~at	0.009807	1279.73	348.1	Camk2a	X87142	NM_009792 /// NM_177407

Table 5

1713	130476_at	0.009811	3099.63	2014.8	Ablim2	AW121090	NM_177678
1714	105699_at	0.009823	680.83	385.7	6330509G02Rik	AI845957	NMJL7294G
1715	100888_at	0.009825	321.83	139.3	Sorll	AB015790	NM_011436
1716	110678_at	0.009831	779.77	544.13	1110003A17Rik	AA259774	NM_026741
1717	115550_at	0.009837	2411.37	1437.83	Prkca	AI838164	---
1718	163745_at	0.009861	892.8	436.73	A430107J06Rik	AA914620	NM_207633
1719	138980_f_at	0.00987	3303.37	2186.5	B2302l7C12Rik	AI840637	XM_484073
1720	107448_at	0.009871	984.4	679.23	---	AW048685	---
1721	99191__at	0.009888	6885.9	5242.97	Cril	AI844939	NM_025513
1722	167776_i_at	0.0099	423.5	259.23	C430017H16	AI121941	XM_143616
1723	116971_at	0.009941	867.3	615.3	AW050020	AI846954	NM_172943
1724	94542_at	0.009942	265.17	168.2	Mbtdl	AA929348	NMJ.34012
1725	94088_at	0.009954	700.77	387.13	Ptbp2	AW228429	NM_019550
1726	952883i_at	0.009967	697.97	294.67	A430106J12Rik	AA189811	NM_176841
1727	AFPX-iioC-5_at	0.00997	1689.47	948.63	---	J04423	---
1728	Il0i59jat	0.00997	1324.9	1021.03	4930538C18Rik	AW123686	NM_029457
1729	115035_at	0.009975	251.27	150.63	1700009P03Rik	AI447318	NM_134077
173.0	100538_at	0.009981	2619.27	1878.97	Sodl	M35725	NM_011434

Table 6

%Monocular deprivation (16 days) versus control
%Downregulated in long term MD
%Significance criterion = 0.01
%

%i	affyid	p	MD	control	gene		
1	92610_at	0.000733	259.1	470.47	Rdbp	M21332	NM_138580
2	92625_at	0.008408	1193.87	1530.67	Ntne2	X68193	KM_008705
3	92628_at	0.005435	1887.17	2942	Rpl36	X75895	NM_018730
4	92631_f_at	0.009236	1983.52	3304.1	Calm3	Ml9380	NM_007590
5	92636_f_at	0.003608	913.88	1331.43	Sec6lg	U11027	NM_011343
6	92768_s_at	0.002068	429.53	909.2	Alas2	M15268	NM_009653
7	92798_at	0.002359	3051.12	3880.47	Atp5Cl	AA870675	NMJ320615
8	93008_at	0.000837	569.48	875.83	Iisra4	AW120557	NM_015816
9	93019_at	0.007564	859.07	1196.83	H2afX	Z35401	NM_010436
10	93048_at	0.000008	571.35	925.33	Clpp	AJ005253	NM_017393
11	93094_at	0.003971	114.22	203.83	Cdr2	U88588	NM_007672
12	93119_at	0.000094	3974.18	6057.97	Cox5b	X531 Ξ7	NM_009942
13	93257_at	0.003195	834.02	1083.17	DdXl	AW048287	NMJ.34040
14	93519_s_at	0.009139	1367.95	2200.8	Nedd8	AI847056	NM_008683
15	93559_at	0.007186	685.6	1034.2	Apexl	D90374	NM_009687
16	93589_at	0.001711	1611.7	2411.53	Lysall	AI851172	NM_026174
17	93764_at	0.0020S4	1091.97	1626.07	2700054G14Rik	AI854527	NM_023312
18	93789_s_at	0.009533	500.92	703.63	Sin3b	AP038848	NM_009188
19	94062_at	0.000674	2352.55	3822.07	Ndufv2	AI847609	XMJL28725
20	94068_at	0.003851	1294.02	1688.73	Rpsl9	AW048899	NM_023133
21	94229_at	0.006025	1560.1	2086.77	0610009M14Rik	AW124489	NM_023910
22	94242__at	0.002521	338.42	522.33	DllErtd672e	AA881309	NM_026559
23	94806~at	0.005224	1179.5	1586.9	---	AW125336	NMJ324221
24	94807_at	0.006567	899.03	1205	Slc25al	AI848354	NM_153150
25	94850_at	0.005383	293.17	455.5	Acate3	AJ238894	NMJ319736
26	94875_at	0.000744	385.67	646.6	Mrpl20	A1838915	NM_025570
27	94897_at	0.005812	811.83	1189.87	Gpx4	D87896	HM_008162
28	95477_at	0.007402	929.23	1636.57	1110001M20Rik	AW125185	NM_029565
29	96041_at	0.007153	869.33	1509.03	Rbm3	AB016424	NM_016809
30	96054_f_at	0.006022	248.43	357.67	Acpl	Y17345	NM_021330
31	96060_at	0.005014	290.37	380.83	Serpinb6a	U25844	NM_009254
32	96617 _at	0.009867	754.6	1148.3	Drapl	AI844737	NM_024176

Table 6

33	96709_at	0.003341	4179.12	7394.83	1110008P14Rik	AI839839	NM_198001
34	97204_s_at	0.000624	172.22	362.53	Dnajd1	AI850983	NM_025384
35	97229_at	0.004304	519.65	759.23	5730427N09Rik	AW061042	NM_021552
36	97241_at	0.006237	393.1	648.87	D19Ertd721e	AI787713	NM_146093
37	97274_at	0.004015	946.47	1346.67	Psmd14	Y13071	NM_021526
38	98936_at	0.006461	720.93	1003.93	Sars1	AI837395	NM_011319
39	98937_at	0.004035	834.98	1032.37	Tbrg1	AW049795	NM_025289
40	94526_at	0.003127	1646.85	2518.37	D10Ertd214e	AI848453	NM_134007
41	94530_at	0.008075	433.87	628.8	C85417	AI840376	NM_145445
42	95044_at	0.000001	625.47	1096.03	1500003D12Rik	AI844549	NM_025895
43	95046_s_at	0.00741	762.63	1067.57	Eif2b4	M98036	NM_010122
44	95053_s_at	0.00082	2508.5	3917.9	Sdhb	AA674669	NM_023374
45	95131_f_at	0.000864	5476.75	6840.3	Ndufb2	AI852592	NM_026612
46	95132_r_at	0.008433	4074.27	6418.43	Ndufb2	AI852592	NM_026612
47	95137_at	0.004919	487.02	749.37	1810014L12Rik	AI852985	NM_133706
48	95689_at	0.009342	1464.07	2059.57	Mtch1	AI840995	NM_019880
49	95696_at	0.00036	1590.53	2447.6	Txnl2	AI840882	NM_023140
50	95701_at	0.005204	940.08	1381.9	4930415K17Rik	AW124069	NM_133687
51	95707_at	0.002178	1023.92	1793.7	2900010M23Rik	AA615853	NM_026063
52	96258_at	0.003014	2101.02	4019.6	Mgst3	AI843448	NM_025569
53	96290_f_at	0.003834	5406.58	7332.5	Gtf3a	U93863	NM_019647
54	96318_at	0.009638	685.28	914.27	Il25	AW045739	NM_080837
55	96864_at	0.0079	384.93	494 9	AI648866	AI848770	NM_207207
56	96900_at	0.003876	5343.98	8428.83	1620401E04Rik	AW125480	NM_175329
57	96902_at	0.002162	154.33	268 27	2900091E11Rik	AW121847	NM_026070
58	97443_at	0.007506	1497.6	1860.07	Mrpl52	AI850850	NM_026851
59	97518_at	0.009573	1035.65	1698	Fdft1	D29016	NM_010191
60	98125_at	0.004121	649.85	1009.53	1110025I09Rik	AI849193	NM_026795 /// NM_178056
61	98147_at	0.006596	1500.4	2081.33	Usp5	AC002397	NM_013700
62	98588_at	0.007687	523.82	740.7	Fah	Z11774	NM_010176
63	98627_at	0.005161	591.02	1011.2	Igfbp2	X81580	NM_008342
64	99106_at	0.002248	2180.33	3023.73	Cops6	AF071315	NM_012002
65	99123_s_at	0.008858	471.33	703.93	---	AW061280	NM_019502
66	99128_at	0.009963	2669.78	3867.43	---	AI849767	NM_138597
67	99150_at	0.004739	343.48	497.93	Ict1	AI844357	NM_026729
68	99607_at	0.002588	2438.88	3859	Skp1a	Z47088	NM_011543
69	99656_at	0.000127	451.6	740.63	D8Ertd812e	AI849027	NM_198020
70	100040_at	0.009841	205.78	298.7	Mrpl17	AI843081	NM_025301

Table 6

71	100042 _at	0 .002091	708.95	1056.7	Hagh	AI837921	NM_024284
72	100079 "at	0 .001385	2191.53	3370 .S3	Kdufb9	AI845556	NM_023172
73	100095 _at	0 .000136	524.77	691.5	Scarbl	U37799	NM_016741
74	100576 "at	0 .003731	211.22	309.87	Pafahlb3	U57746	NM_008776
75	100599 "at	0 .009874	1611.77	2278.87	At£4	M94087	NM_009716
76	100628]_at	0 .004829	1491.4	2766.13	---	AI840263	NM_025523
77	101039^_at	0 .001053	736.87	1054.37	Col4a2	X04647	NM_009932
78	101063_ _at	0 :000027	220.68	742.23	Tncc	M29793	NMJ309393
79	101057 "at	0 .001669	678.75	840	BC023814	AW124711	NM_026591
80	101094_ _at	0 .001168	189.27	329.87	7420700H20Rik	AI836820	NM_O19814
81	101486] at	0 .007463	1300.57	1777.63	PsmblO	Y10875	NM_013640
82	101517^ "at	O .002171	635.12	906.67	Tex261	X81058	NM_009357
83	101989_]at	0 .000256	2823.92	4891.23	Uqcrcl	AW125380	NM_025407
84	102036~ _at	0 .002657	292.12	421.8 1	810004B07Rik	AW046757	HM_026909
85	102395 "at	0 .007877	207.67	290.93	Pmp22	Z38110	NM_008885
86	102409~ at	0 .006707	549.88	743.23	Lsm8	AW046963	NMJL33939
87	103074 ""f at	0 .000346	411.47	747.17	Taf9	AI842969	NM_001015889 /// NM_027139 /// NM_027592 /// XM_620010
88	103631]"at	0 .004504	231.17	340.3	2810407K09Rik	AA985795	NM_026999
89	103664 ~r_at	0 .008092	318.25	480.6	2810452K22Rik	AA959648	NM_026048
90	103904_at	0 .002462	1047.8	2163.97	Krt2-8	X81584	NM_008344
91	103910_at	0 .002177	781.53	1028.43	---	AJ249987	NM_020024
92	104366_at	0 .000974	473.37	775.9	BC039093	AW047831	XM_131700
93	104573 _at	0 .000766	480.62	900.4	1110025L05Rik	AA921069	NM_175103
94	104616_g_at	0 .005645	541.1	823.47	Illlral	M96265	NM_016658
95	104711_at	0 .009847	1479.15	1903.13	Vps4a	AW122109	NM__126165
96	104738_at	0 .00269	577.62	903.83	Zrf2	D63784	NM_009583 /// NM__009584
97	94347_i_at	0 .007505	462.92	569.03	Pcratl	AW124044	NM_008786
98	94367_at	0 .006853	260.5	338.7	AA407809	AI850362	NM_030724
33	94381_at	0 .003538	796.53	1165.23	Umpk	L31783	NM_011675
100	95607_at	0 .004193	957.28	1272.63	Stard3	X82457	NM_021547
101	9613 2_at	0 .000658	449.45	829.9	AB023957	AB023957	XM_619546
102	96212_at	0 .003367	1166.88	1562.3	2310061I04Rik	AI853918	XM_128627
103	96760_at	0 .007442	128.9	193.93	TiramlO	AW122428	NM_001024853 /// NM_001024854 /// NM_013896
104	96785_at	0 .003741	163.88	340.9	0610013D04Rik	AF110520	NM_030697
105	97366_at	0 .003839	564.7	734.63	BC026588	AI851024	NM_146075
106	97374_at	0 .00401	376.6	576.63	2810025M15Rik	AI840458	NM_027274
107	97424_at	0 .00221	1687.9	3393.8	Arl6ip5	AW049647	NM_022992
108	97917 _at	0 .000656	585.47	762.73	Gcn511	Y13778	NM_015740

Table 6

109	97933_at	0.00487	905.57	1149.57	2300006M17Rik	AW045317	XM_127387	
110	98031_at	0.001955	801.6	1154.77	Bok	AF027707	NM_016778	
111	98429_at	0.006654	1286.02	1897.03	Lypla2	AB009653	NM_011942	
112	98492_at	0.00031	485.47	679.93	Cklfsf7	AA920419	NM_133978	
113	99032_at	0.002824	80.12	230.33	Rasdl	AF009246	NM_009026	
114	99078_at	0.002173	552.62	1022.83	1110033C18Rik	AI839522	NM_133964	
115	99444_at	0.003238	280.47	450.93	Ramp2	AJ250490	NM_019444	
116	99546_at	0.005569	1984.05	3408.43	Fkbp2	M77831	NM_008020	
117	99953_at	0.005011	390.75'	574.13	Rgl2	AP100956	NM_009059	
118	100007_at	0.007344	1260.93	1654.43	Irf2bpl	AI837573	NM_178757	
119	100033_at	0.002557	326.02	484.6	Msh2	X81143	NM_00862 8	
120	100429_at	0.00516	137.55	234.47	---	U89155	NM_008911	
121	100446_r_at	0.000197	6419.02	12236.33	Sprrlb	X91825	HM_009265	
122	100915_at	0.004564	622.92	966.33	Myh9	AW125698	NM_022410	/// NMJL 81327
123	100927_at	0.003157	734.27	1398.23	Pltp	U28960	NM_011125	
124	100961~at	0.005873	648.83	915.93	Kcnh2	AF012871	NM_013569	~
125	101408_at	0.008154	397.2	638.37	Gamt	AF010499	NM_010255	
126	103273_s_at	0.002904	235.27	362.13	Abcc8	AF037312	NM_011510	
127	103524_at	0.005678	265.4	362	Cdanl	AA691078	XM_485054	
128	103534_at	0.000053	4886.43	12812.07	---	V00722	NM_016956	
129	103935_at	0.00942	334.07	484.47	Atp2a3	AI504474	NM_016745	
130	104155_f_at	0.001204	180.1	253.37	Atf3	U19118	NM_007498	
131	104408_s_at	0.000173	182.6	345.53	Ξoxl8	L35032	NM_009236	
132	92291_f_at	0.000618	47.23	168.37	Cfhll	M29008	NM_015780	
133	9242 3_at	0.009984	558.88	796.97	Pard6a	AF070970	NM_019695	
134	93924_f_at	0.004003	812.72	1145.97	Tuba7	M13443	NM_009449	
135	94194_s_at	0.001885	645.6 1	178.5	Hcn2	AJ225122	NMJ308226	
136	99335_at	0.000285	1501.65	3263.03	HkI	J05277	NM_010438	
137	99842_at	0.001526	259.63	381.73	Coll9al	AB000636	NM_007733	
138	10038 Ï _at	0.004783	304.98	537.4	Actal	M12347	NMJ309606	
139	100718_at	0.00263	1848.65	3298.83	Ptma	X56135	NM_008972	
140	102099_f_at	0.008095	1203.68	1708.97	---	AI843637	XM_110121	
141	102134_f_at	0.000344	525.12	800.53	Atp5g2	AI461702	NM_026468	/// XM_620687
142	160092_at	0.003749	245.83	561.93	Ifrdl	V00756	NM_013562	
143	160195_at	0.000105	1700.3	2244.5	1200013P24Rik	AI846961	NM_029090	
144	160212_at	0.00101	327.17	597.93	Ttc4	AW050205	NM_028209	
145	ieO235_at	0.005025	515.9	862.2	5033425B17Rik	AI843521	NM_027215	
146	160237 _at	0.004904	434.48	749. G3	Ndufa 6	AW047339	NM_025987	

Table 6

147	160305 Jit	0.004706	419.7	573.8	Psmdll	AW121693	NMJL78616	
148	160317 "_at	0.003376	238.85	562.23	Rab34	AI835712	NM_033475	
143	160 35o]at	0.006432	768.5	949.07	Gstzl	AW060750	NM_010363	
150	160395^ at	0.007084	250.27	429.8	PllErtd603e	AW046672	NM_026023	
151	160431]at	0.000205	468.67	868.7	Mrpll2	AW124432	NM_027204	
152	160487 _at	0.000167	253.55	601.83	Myl4	M19436	NM_010858	
153	160621 "]at	0.006126	156.38	236.67	Mrps22	AI852322~	NM_025485	
154	160709_ _at	0.00982	178.18	237.37	IUOOOlAl 6Rik	AI788201	---	
155	160805 '_s_at	0.006823	399.22	625.67	Mpdul	AB025354	NM_011900	
156	160 869] at	0.006409	512.6	718.2	Sirt3	AI849490	NM_022433	
157	160894 " at	0.009099	220.35	340.63	Cebpd	X61800	NMJ307679	
158	161127] i_at	0.007006	305.23	495.13	Rpl24	AV294412	NM_024218 /// XM_194389	
159	161145 "]f_at	0.009011	599.85	821.66	---	AV217314	NM_025313	
160	161176] "r_at	0.008751	4649.28	6218.03	---	AV230593	NM_013515	
161	161327] "f_at	0.00102	725.4	1684 .3	---	AV104703	NM_011287	
162	161487] "f_at	0.005352	638.45	891.77	---	AV080542	---	
163	161657 f_at	0.003643	1231.48	1755.5	---	AV105022	NM_052835 /// XMJL34291 /// XM_486252	
164	161715]]f_at	0.004661	358.53	464.37	---	AV250651	NM_025667	
165	161763] r_at	0.000034	397.82	1719.63	Pip5k2c	AV303514	NM_054097	
16S	161997 "f_at	0.0009	68.98	137. 07	---	AV329607	---	
167	162457 "]f_at	0.00009	2992.8	7294.6	---	AV003378	NM_008218	
168	106026] at	0.002848	944.8	1465 .63	2610318I18Rik	AI845205	NM_145479	
169	106196] at	0.0004	435 .08	6499..88	Htf9c	AW060432	KM_033324	
170	10662 θ]at	0.005551	946.32	1503.07	1500 019 J17Rik	AW120962	NM_026398	
171	106659] at	0.005956	288.63	480.2	6720484B16	AIS51954	NM_172502	
172	107124] at	0.000134	541.67	834.77	2810021O14Rik	AI848296	NM_025480	
173	107562] .g_at	0.001136	354.67	531.17	2400006N03Rik	AI527865	NM_027186	
174	107572] at	0.001189	1208 .7	1507.6	Taz	AW046145	HM_181516	
175	lO8O2 θ]r_at	0.007103	617 .75	1002.3	Hτngall4	AI850464	NM_023547	
176	108473_ at	0.00783	390, 88	513.5	A730011E05Rik	AA510244	XM_132150	
177	108489] at	0.008319	958	1334.47	2810403L02Rik	AW120875	NM_025616	
178	108493_ at	0.006984	409. 03	530.83	Cabcl	AI852390	NM_023341	
179	lO85O θ]at	0.003436	454 .43	660.17	1110001M24Rik	AA792670	---	
180	108512] at	0.005691	566.6	890.87	2810038K19Rik	AW125356	NM_023684	
181	108564_ at	0.007321	361.12	577.67	2310045B01Rik	AA966986	NM_025538	
182	108565] at	0.004451	661.5	1006.03	E430002G05Rik	AI853095	NM_173749	
183	108586] at	0.006947	289.65	411.77	Psip2	AI842921	NM__133948 /// XM_620422	
184	109686 "at	0.009172	193.78	275.8	2310040G17Rlk	AI122103	NM_183358	

Table 6

185	109711 _at	0.009401	1183 .55	1703 .07	4733401H18Rik	AI036922	NM_023247
186	110269] _at	0.003439	847 .9	1307.23	Bdh	AW045975	NMJ.75177
187	11033 θ]_at	0.001952	910.8	1258.83	BC026996	AI843917	NM_201407
188	110763 _at	0.001317	3244 .1	4491.6	Hdacll	AI835406	NMJ.44919
189	110826 _at	0.000317	200 .95	333 . 8	C730042F17Rik	AW122152	NM_028091
190	111402] _at	0.006066	959.7	1338.77	---	AI851217	NM_001001183
191	111816_ _at	0.004633	2000.22	2796.33	Arapd2	AI853182	NM_028779
192	111821 _at	0.002843	1211.53	1784.27	1110014P06Rik	AI847255	NM_028634
193	111845 "]at	0.00103	3212.33	5557.53	---	AW049453	---
194	111894] at	0.007182	493 .5	688.53	Mrpl32	AA734460	NM_029271
195	111915 "]at	0.000423	519.38	708.43	1500003O22Rik	AI585944	NM_025897
196	112353 "]at	0.008446	952.43	1491.57	ORF61	AI156772	NM_001003949
197	112356_ at	0.002238	380.35	644.63	---	AW061229	---
.198	112392 "]at	0.002864	346.82	605.4	1810027I20Rik	AI834768	NM_026950
199	11279l] _at	0.000425	1518	3076.97	Fkrp	AI839070	NM_173430
200	112845] _at	0.005023	1836.42	2588.47	4121402D02Rik .	AI850655	NM_028722
201	113129_ at	0.003172	2730.95	3868	1110003P22Rik	AI836839	NM_144522
202	11321l] at	0.000505	343.33	706.47	BC023126	AW049974	NM_015807
203	113564_ at	0.002173	647 .98	1202.93	1810014P10Rik	AI837984	NM_026928
204	113578] _at	0.006237	546.32	799.83	Csrp2bp	AW125290	NM_181417
205	114002 _at	0.007595	399.18	589.77	5730578N08Rik	AI573804	NM_025693
206	114311 "at	0.008943	614.6	802 .57	Uchl5	AW214698	NM_019562
207	114994] at	0.000068	1754.78	2268.93	Rfxl	AW050047	NM_009055
208	115038] _i_at	0.00256	562.85	768.97	Fbxo34	AW046955	NM_030236
209	115735]]r_at	0.00246	790.52	1248.97	C6	AI326046	NM_016704
210	108783] at	0.000058	1072.38	1489.7	Shc2	AI835933	XM_125779
211	109363] at	0.000706	1917.87	2606.4	Adar	AI847526	NM_019655
212	109415]] at	0.000484	833.52	1221	Hookl	AI646948	NM_030014
213	109999~ at	0.002607	1202.83	2090.9	2310046N15Rik	AW123653	NM_133765
214	111515_ at	0.00419	1198.63	2213.9	2810008D09Rik	AW060320	---
215	III532] at	0.007295	1334.05	1813.67	2510002C16Rik	AW123028	NM_134134
216	III945] f_at	0.009272	3559.27	3959.63	AV312086	AA611185	NM_172635
217	111966 " at	0.000583	670.83	1374.5	Hist3h2ba	AI836766	NM_030082
218	112033] at	0.005492	994.08	1781.6	4833424P18Rik	AA967479	NM_029017
219	112416] at	0.001132	1765.92	2400.2	Ctdspl	AA607067	NM_133710
220	112472 at	0.0029	285.77	471.37	---	AI286746	NM_139064
221	112900] at	0.001843	777.55	1554.6	Mrp63	AA682034	NM_026401
222	112913 "at	0.003273	668.37	931.33	πiKIAA1064	AI836838~	NM_198631

6ofl2

Table 6

223	112971_at	0.004279	291.18	444.67	2010011I20Rik	AI614107	NM_025912
224	113293_at	0.007163	374.67	613.5	9030019H09	AW124722	XM_139515
225	113308_at	0.001658	252.72	466.9	Stard	AI836469	NM_199018
226	113310_f_at	0.004477	2627.22	3625.27	Mjd	AA175228	
227	113671_at	0.002582	148.67	254.4	Dpys	AI786732	NM_022722
228	114069_at	0.000113	550.63	1067.17		AI844797	NM_001013390
229	114088_at	0.005273	2023.85	3199.23	Vampl	AI850070	NM_009496
230	114451_at	0.000303	1696.63	2237.73		AI848332	NM_001024927
231	114772_r_at	0.004095	1559.87	2090.4	BC004091	AA615126	NM_178408
232	114832_at	0.002089	371.68	829.4	BC023296	AI197451	NM_153545
233	115160_at	0.000376	2943.38	3890.5		AA763164	
234	115190_at	0.001019	350.88	499.67	Piasy	AA671180	NM_021501
235	116058_at	0.002029	369.32	485.83	2900057K09Rik	AI854413	
236	116105_at	0.002465	1330.23	1917.47	A130092J06Rik	AA739339	NM_175511
237	116642_f_at	0.000426	197.02	359.43	2310036D22Rik	AI852563	NM_027992
238	116645_at	0.008214	576.5	919.13	1500005I02Rik	AI836077	NM_028055
239	116671_at	0.000196	853	1095.17	2700079M14Rik	AW123023	NM_145426
240	116676_at	0.008231	3285.13	4726.17	Cdc42	AW125122	NM_009861
241	116986_at	0.007468	1427.87	2050.7	Cptlc	AW120935	NM_153679
242	117085_at	0.005335	1119.48	1589.13	Cablesl	AI849884	NM_022021
243	117101_at	0.002605	454.32	674.53		AI852766	NM_177102
244	117199_at	0.000098	367.7	511.2		AI891940	NM_023348
245	117228_at	0.000646	1173.68	1522.7	6330406P08Rik	AI846872	NM_028710
246	117272_at	0.005551	654.28	849.3	2810423G08Rik	AI839715	NM_028139
247	106935_at	0.007426	955.03	1301.9	1110001I14Rik	AI854179	NM_197985
248	107002_at	0.002127	795.7	1251.13	2410004F01Rik	AI265696	NM_178379
249	107420_at	0.004436	907.03	1864.63		AW050036	NM_027395
250	108440_at	0.000072	367.45	632.73	3100002B05Rik	AA832882	NM_026664
251	108969_at	0.000476	429.15	754.87	Msilh	AA220091	NM_008629
252	108973_at	0.006285	445.03	598.7	Ubeldcl	AA958878	NM_025692
253	108985_at	0.002197	1484.98	1907.27	4933412D19Rik	AW060678	NM_026229
254	109016_at	0.004951	1076.25	1299.3		AI891634	XM_622387
255	110157_at	0.008634	1207	1909	BC024814	AW124961	NM_146247
256	111204_at	0.002867	1979.57	3120.87	E030034P13Rik	AI841766	NM_153791
257	112268_at	0.003716	587.28	911.83	PkHOXl	AW123077	NM_016670
258	112269_at	0.00255	977.37	1356.87	1114	AW123962	NM_001005506
259	112729_at	0.002574	882.23	1246.2	9530025L16Rik	AA644819	NM_175256
260	113070_at	0.007222	1058.13	1495.5		AA959975	NM_019775

Table 6

261	113524_at	0.001573	389.7	649.07	Pdhx	AI747428	NM_175094
262	115269_at	0.006245	558.45	856.27	Bin3	AI155952	XM_358314
263	115334_at	0.003624	772.05	1155.23	---	AI449433	---
264	115608_at	0.000338	156.87	395.97	---	AI639736	NM_011861 /// NM_178365
265	115695_r_at	0.002248	6887.38	8508	---	AA412794	NM_008338
266	116035_at	0.007307	307.9	477.07	---	AI506333	NM_183186
267	116178_at	0.002795	477.45	721.3	Hmga2	AA980725	---
268	116497_at	0.004787	230.6	362.87	---	AI448331	---
269	104778_at	0.005275	491.25	619.57	4933426E21Rik	AI503093	NM_001029912
270	104861_at	0.002302	234.13	380.8	A530037C04Rik	AI552305	XM_283647
271	105207_at	0.000109	295.78	480.27	---	AU021865	---
272	105402_at	0.003119	733.37	1083.57	---	AI390493	---
273	105469_at	0.000899	356.6	593.37	BC019560	AI642424	---
274	105511_at	0.002842	945.28	1321.73	Slc5a6	AI315627	NM_177870
275	105701_at	0.006714	378.28	506.63	---	AI848869	---
276	105740_at	0.007968	486.48	596.73	BC019560	AI847378	XM_125947
277	105832_at	0.001682	584.15	985	---	AI849717	NM_030743
278	105906_at	0.002523	132.15	210.07	Trim39	AI852109	NM_024468
279	106482_at	0.00895	855.9	1306.77	---	AI874856	NM_001004146
280	107298_at	0.005573	2315.32	3566	---	AW050310	XM_489103
281	107336_i_at	0.00607	2671.47	3616.33	1300019N10Rik	AW121748	XM_125636
282	107364_at	0.008037	207	306.83	---	AW048457	---
283	109428_at	0.007118	1010.37	1550.27	---	AW125725	NM_009623
284	109522_at	0.000376	3797.75	5971.4	---	AI593259	NM_026937
285	110124_at	0.003116	264.63	356.17	6430573D20Rik	AI647471	NM_172689
286	111631_at	0.001125	733.18	1020.93	6720456H20Rik	AW208456	NM_172600
287	106745_f_at	0.005442	4377.45	5612.97	---	AW046521	---
288	109816_s_at	0.004153	900.82	1395.43	Slc5a6	AI323922	NM_011521
289	109817_f_at	0.002717	1235.85	1989.67	---	AI893828	NM_009941
290	162573_at	0.002354	2385.57	3517.13	5330410G16Rik	AW045610	NM_182991
291	162659_at	0.001618	574.55	929.87	AI173486	AI846824	NM_178928
292	162696_at	0.002467	1617.95	2785.9	---	AI021221	NM_026042
293	162745_at	0.008912	385.25	618.83	Pfdn4	AI852266	NM_001013369
294	162762_at	0.000032	1158.02	1805.77	---	AW122369	NM_001001881
295	162771_at	0.009651	1469.02	1814.4	0610007H07Rik	AW123990	NM_026617
296	162806_at	0.00013	2272.35	4602.03	2410004H02Rik	AI154996	NM_145954
297	162833_at	0.003899	1929.67	3256.33	4833436C18Rik	AI849772	XM_131380
298	162890_at	0.004985	710.37	1139.03	---	AA915262	NM_175347

Table 6

299	162922_at	0.005438	641.85	854.63	2210021A15Rik	AI836263	NM_020000 /// NM_173719
300	162972_at	0.000604	309.03	472.17	Esam1	AW121268	NM_027102
301	163093_at	0.001693	2511.67	4626.23	Mcoln1	AI841374	NM_053177
302	163171_at	0.007207	1124.43	1491.1	2610204M08Rik	AW125550	NM_198411
303	163190_at	0.000032	205.7	361.97	Acvrl1	AI115505	NM_009612
304	163360_at	0.001406	787.57	1192.3	-	AI834996	NM_172993
305	163370_at	0.002001	434.45	671.93	Osbpl3	AI591488	NM_027881
306	163394_at	0.008345	302.3	454.67	2810021J22Rik	AI592554	NM_172403
307	163409_at	0.002303	325.6	619.4	6330505F04Rik	AI627048	NM_172779
308	163533_at	0.00424	602.92	883.9	4933405A16Rik	AI854299	NM_028943
309	163544_at	0.006873	1540.55	2010.9	2610020H15Rik	AA982674	NM_025638
310	163552_at	0.008006	1171.73	1731.33	Fiz1	AW045450	NM_011813
311	163663_at	0.000921	1128.97	1711.47	---	AI846080	NM_017377
312	163711_at	0.003639	241.08	301.3	Pknox1	AW121685	NM_016670
313	163785_at	0.004872	344.45	560.33	5730528L13Rik	AW108543	NM_028137
314	163842_at	0.001025	777.48	1121.27		AI036408	[illegible]
315	163955_at	0.005303	661.9	1061.03	9130404D08Rik	AV227289	NM_028993
316	164045_at	0.000231	413.67	664.1	---	AV342167	NM_001013792
317	164148_at	0.000674	1007.4	1939.1	Gtl2	AI834913	NM_144513
318	164228_at	0.000235	1737.85	2403.97	Ces1	AI663823	NM_021456
319	164280_f_at	0.007612	542.43	771.67		AV160326	NM_080595
320	164293_at	0.007067	1273.75	1741.63		AV208915	NM_023374
321	164305_at	0.009515	136.95	237		AV237879	
322	164317_f_at	0.005138	898.18	1241.27		AV232343	NM_145475
323	164377_f_at	0.009126	3339.72	3954.67		AV322737	NM_001013256 /// NM_026889
324	164461_f_at	0.003416	316.72	492.33		AV175309	NM_026130 /// XM_618904
325	164483_r_at	0.005709	2639.6	3668.67		AV253034	
326	164491_at	0.00699	91.5	162.5		AV226351	
327	164530_f_at	0.00306	1101.67	1605		AV350292	NM_198326 /// XM_485605
328	164531_f_at	0.001657	908.78	1450.7		AV350397	NM_011106
329	164613_f_at	0.004985	798.77	1084.2		AV147547	NM_023464
330	164666_f_at	0.005389	313.7	473		AV226921	NM_172958
331	164717_f_at	0.000386	274.8	427.63		AV053535	
332	164725_f_at	0.003162	113.63	238.37		AV083420	
333	164749_f_at	0.001946	1964.2	3755.23		AV154443	
334	164768_f_at	0.004505	1171.32	1465.77		AV228982	NM_026499
335	164832_f_at	0.000277	1507.23	2047.67		AV337321	NM_172723
336	164849_f_at	0.00047	1561.93	2337.93		AV369221	NM_001013256 /// NM_026889

Table 6

337	164885_f_at	0.005436	634.37	835.33	---	AV335220	NM_009142
338	164935_r_at	0.006057	533.93	1451.97	---	AV373702	NM_011292 /// XM_484272 /// XM_485172 /// XM_619390 /// XM_621124 /// XM_622628
339	164992_f_at	0.000023	1477.85	2185.23		AV228551	
340	165039_r_at	0.001198	3194.63	4364.57		AV371114	
341	165093_i_at	0.001988	280.33	473.17	---	AV369	
342	165198_f_at	0.009403	223.13	289.57	Prpf4b	AV114845	NM_013830
343	165292_i_at	0.000869	431.12	663.07		AV060579	NM_011611 /// NM_170702 /// NM_170703 ///
344	165300_i_at	0.004547	421.92	682.53		AV240127	
345	165329_r_at	0.000101	1101.85	1881.23	Tulp3		
346	165357_f_at	0.00544	528.68		Egr3		NM_007
347	131445_at	0.004654	368.92			AI425987	
348	129246_at	0.006912	1254			BC024683	
349	129251_r_at	0.000002					
350	129278_at	0.006084	524.55			AI049061	
351	129302_at	0.005548	378.27		Adcy5		
352	134734_at	0.000939	1363.93	2019.6		AI451645	
353	135202_at	0.000529					
354	135210_at	0.003151	967.58	1611.37		AI503064	
355	135613_at	0.009104	396.6	650.13	Trim4	AI505867	
356	136652_at	0.003224	3563.5			A72718	
357	137531_at	0.007166	3750.72				
358	137542_at	0.001115	1000.15	1640.5		AI5504	
359	137556_r_at	0.003017	917.75	1541.17		AI606152	
360	138968_f_at	0.002585	3534.68		Calm2		
361	139276_at	0.000775	1453.57		Pnkp		
362	139527_at	0.008924	2592.8				
363	140327_at	0.000494	1967.2	3181.23		AI4487	
364	140884_at	0.009964	655.88		Thoc1		
365	134405_at	0.001249	5073.05	6639	Egr3		
366	134465_at	0.006687	1582.18			AW123799	
367	135355_at	0.002362	2587.43	7430.73		AW228646	
368	137328_at	0.009135	2921.62			AW060579	NM_170704
369	137357_at	0.004708	436.9	923.		W123	
370	131556_at	0.006405	587.27			AI415469	
371	131760_at	0.001896	601.72			AI427568	
372	131796_at	0.005496	573.93	896.8	---	AI173484	NM_008130

Table 6

373	133451_at	0.00998	2101.48	2569.83	---	AI448289	NM_010137
374	133702_at	0.000113	2434.38	3077.27	A430091O22Rik	AI462128	NM_183024
375	135755_at	0.001832	563.27	[illegible]	[illegible]B08Rik	[illegible]	[illegible]
376	135781_at	0.000218	931.13	[illegible]	[illegible]	[illegible]I893789	[illegible]
377	136291_at	0.004104	1005.18	1363.77	---	AI838[illegible]	[illegible]
378	136675_at	0.002229	2619.27	[illegible]	[illegible]	AI85174[illegible]	[illegible]
379	136735_at	0.002376	987.53	1248.97	---	[illegible]	---
380	137152_a[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
381	165779_i_at	0.007481	1371.25	2051.17	[illegible]	[illegible]W124292	[illegible]
382	165868_f_at	0.00451	519.55	[illegible]	[illegible]	[illegible]V291803	[illegible]
383	165985_r_at	0.008426	1611.72	[illegible]	[illegible]	[illegible]	[illegible]
384	166016_at	0.002723	983.22	[illegible]	[illegible]	[illegible]V088695	[illegible]
385	166118_i_at	0.002471	1726.27	2410.1	[illegible]	AV11537[illegible]	[illegible]
386	166294_r_at	0.00108	1431.55	[illegible]	[illegible]A16Rik	[illegible]	[illegible]
387	166305_r_at	0.00791	1394.95	2184.13	[illegible]	[illegible]V324925	[illegible]
388	166313_r_at	0.003994	4703	[illegible]	[illegible]	[illegible]	[illegible]
389	166348_r_at	0.004586	1577.62	[illegible]	[illegible]	[illegible]	[illegible]
390	166414_at	0.003456	333.78	490.93	[illegible]	[illegible]V363105	[illegible]
391	166527_f_at	0.001139	460.57	675.3	---	[illegible]	NM_133[illegible]
392	167054_at	0.003687	622.6	819.43	---	[illegible]	NM_0261[illegible]
393	167107_at	0.001228	1097.58	1432	[illegible]	[illegible]	---
394	167117_at	0.003495	2668.18	4214	[illegible]	[illegible]	---
395	167283_at	0.009409	1056.03	1636.4	[illegible]	[illegible]V030511	[illegible]
396	167512_f_at	0.00119	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
397	167545_r_at	0.005518	8752.68	[illegible]	[illegible]	[illegible]V2803[illegible]	NM_177[illegible]
398	167592_at	0.004422	735.63	986.73	[illegible]	[illegible]V363034	[illegible]
399	167677_r_at	0.004575	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
400	167951_at	0.00029	1186	[illegible]	[illegible]	[illegible]	[illegible]
401	168177_r_at	0.007552	5159.7	[illegible]	[illegible]	[illegible]V155024	[illegible]
402	168181_i_at	0.007284	1610.82	[illegible]	[illegible]	[illegible]	[illegible]
403	168292_[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
404	168299_f_at	0.009694	791.88	[illegible]	[illegible]	[illegible]V090198	---
405	168482_f_at	0.005318	8095.22	10498.13	[illegible]F23Rik	AV257046	NM_025880 /// XM_619964
406	168678_r_at	0.002372	800.5	1149.8	---	[illegible]	---
407	168688_r_at	0.001009	393.[illegible]	[illegible]	[illegible]	[illegible]	NM_080726
408	168820_at	0.002882	238.5	360.4	---	AV296[illegible]	[illegible]
409	168847_r_at	0.000441	1495.52	2340.8	[illegible]	[illegible]V301836	NM_007856
410	168947_f_at	0.009147	[illegible]	[illegible]	[illegible]	[illegible]	XM_358706

Table 6

411	168956_f_at	0.003982	1892.52	2275.07	---	AV092698	NM_026027
412	169005_f_at	0.00592	919.97	1359.53	---	AV122385	XM_133134
413	169135_r_at	0.008561	418.65	728.33	---	AV235986	NM_148673 /// NM_198936
414	169396_r_at	0.000008	1861.47	3561.6	---	AV101367	XM_132830
415	169448_r_at	0.001931	1746.32	2722.77	---	AV168418	NM_145620
416	169457_r_at	0.004902	7486.23	9743.47	---	AV169944	NM_026380
417	169465_s_at	0.001751	1272.07	1840.7	---	AV156900	NM_028454
418	169766_r_at	0.008856	809.23	1128.17	---	AV101347	NM_026797
419	169773_r_at	0.001645	2036.37	3037.5	---	AV102460	NM_010094
420	169784_at	0.003852	1795.65	2334.77	---	AV111532	---
421	169799_r_at	0.00123	999.85	1568.47	---	AV124293	NM_020560
422	169815_i_at	0.002303	736.78	1132.67	---	AV139932	---
423	170164_r_at	0.004691	664.03	1059.03	1700058F15Rik	AV046567	---
424	170384_r_at	0.000024	716.55	1256.57	---	AV325109	NM_138744
425	170411_at	0.008023	899.83	1184.4	---	AV333428	NM_033574 /// NM_033575 /// NM_033576 /// NM_033577 /// NM_033578 /// NM_033579 /// NM_033580 /// NM_033581 /// NM_033582 /// NM_033583 /// NM_033584 /// NM_033585 /// NM_033586 /// NM_033587 /// NM_033588 /// NM_033589 /// NM_033590 /// NM_033591 /// NM_033592 /// NM_033593 /// NM_033594 /// NM_033595
426	170475_r_at	0.003811	574.03	837.6	---	AV211425	NM_008558
427	170480_at	0.009995	1855.45	2554.8	---	AV216313	NM_008532
428	170586_r_at	0.007752	11135.92	14950.93	---	AV258212	XM_354949
429	170587_at	0.002239	1729.27	2222.63	---	AV258254	[illegible]
430	170932_at	0.007319	1606.8	1854.67	---	AV102105	NM_133964
431	171010_at	0.00151	202.08	329.5	---	AV329867	NM_008558

Table 7

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fcMonocular deprivation (16 days) versus control
fcUpregulated in long term MD
^Significance criterion = 0.01

Sri	affyid	P	MD	control	gene		
1	93496_at	0.001065	2210.77	1456.13	Elovl5	AI852098	NM_134255
2	93604_f_at	0.004539	9387.4	1017.73	Igsf4	AF061260	NM_001025600 /// NM_Q18770 /// NM_207675 /// NM_207676
3	93784_at	0.005441	830.25	659.9	Cfdp	AB010828	NM_011801
4	93839 at	0.007824	7403.2	4968.97	Rtn3	AI854888	NM_001003930 /// NM_001003933 /// NM_001003934 /// NM 053076
	94252_at	0.002222	4544.57	3108.47	Eif2s3x	AJ006587	NM_012010
	94260_at	0.004891	1520.25	1128.4	3110040D16Rik	AI850352	XMJL26172
	95472_f_at	0.003514	1266.1	899.47	Uqcrb	AI526902	NMJ)26219
	96607_at	0.002949	1399.73	951.07	1500003O03Rik	AW124902	NM_019769
9	96614^at	0.005938	633.45	451	4933426MllRik	AA763368	NM_178682
10	97292_at	0.004692	5721.33	2778.47	---	AI845225	XM_283848
11	98894_at	0.00423	286.13	161	2610016F04Rik	AA867655	XM_619217
12	98915_at	0.0004B5	699.92	198.77	Rnfl49	AI849082	
13	96884_at	0.003098	534.78	444.63	Carhspl	AI847631	NM_025821
14	98083_at	0.006518	829.23	537.37	Copeb	AW049031	NM_011803
15	98150_at	0.004737	3282.83	2476.53	Rabllb	L26528	NM_008997
16	98535_at	0.00354	1011.75	671.1	Comt	AF076156	NM_007744
17	100047_at	0.006132	17404.58	12237.27	Snap25	M22012	NM_011428
18	100536_at	0.006952	4511.23	2729.03	Mobp	A1839662	NM_008614
19	100566_at	0.001289	2740.92	969.9	Igfbp	L12447	NM_010518
20	101035_at	0.005254	629.15	477.07	Api	U35846	NM_0074S6
21	101590_at	0.003644	440.5	231.3	Lamp2	AI747194	NM_001017959 /// HM_010685
22	101980_at	0.005831	537.2	409.97	Rpo2tcl	J03750	NM_011294
23	102316_at	0.003714	765.63	488.1	Capn5	Y10656	NM_007602
24	102743_at	0.005928	–2407.53	1344.4	Mapt	M18776	NM_010838
25	103330_at	0.006775	725.28	426.47	Spnr	AI838709	NM_009261
26	103807_at	0.00284	–744.47	615.17	Wiz	AB012265	NM_011717 /// NM_212437 /// NM_212438
27	103913_at	0.008205	1704.25	1327.7	Sec61a2	AI851315	NM_021305
28	104119_at	0.004214	971.88	593	AW060714	AI845028	NM_146084
29	104609_at	0.003119	723.3	499.67	Bscl2	AA644817	XM_355145
30	104611_at	0.002351	486.55	333.97	Wdr26	AI854008	
31	94977_at	0.009688	3498.05	1846.7	Itprl	X15373	NM_010585
32	96734_at	0.002392	861.82	622.47	Synj2bp	AA674143	NM_025292
33	96806 at	0.003309	513.18	317.07	Lpin2	AI843802	NM_022882

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Table 7

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34	S7923_at	0.004944	3344	203S.37	1110004B15Rik	AW046532	XM 620756
35	97935_at	.0.003091	1302.42	826.67	4121402D02Rik	AI842970	NM_028722
36	98993_at	0.001233	3665.95	3061.53	Ppp2r5c	U59418	NM_012023
37	99049_at	0.000165	605.55	362.37	Casp2	D28492	NM_007610
38	99440_at	0.000439	818.93	377.3	Nfib	Y07686	NM_008687
39	99465_at	0.009284	1057.13	632.17	Mecp2	AJ132922	NM_010788
40	99510_at	0.008967	104Sl. 18	8212.37	Prkcb	X59274	NM_008855
41	100959_at	0.003333	1442.18	1191.43	S100a13	X99921	NM_009113
42	101933_at	0.007513	587.12	316.67	Rab10	AF035646	NM_016676
43	102646_at	0.005149	556.98	367.23	Murr2	AW122284	XMJ83996
44	102922_at	0.002632	642.52	505.5	1110020B03Rik	AI851387	NM_145823
45	10293 6_at	0.007706	1108.28	542.43	B4galt6	AW125314	NM_019737
46	103678_at	0.002623	3506.9	2388.37	Sbno1	AI841139	XM_355637
47	103791_at	0.0049	143.7	65.2	Nargl	AW048763	NM_053089
48	103924_at	0.000138	1584.38	1154.3	D8Ertd319e	AW048884	NM_026792
4	104461_at	0.005179	663.2	264.67	Pik3ca	AW121773	NM_008839
50	92243_at	0.00388	1113.38	907.03	1810017Ifl6Rik	AA117417	XM_356186
51	92378_at	0.004056	668.08	373.2	Ptprz1	AI849305	XM_620293
52	92749_at	0.004005	1945.85	870.93	Gabrb1	U14418	NM_008069
53	92947_s_at	0.009653	14760.57	8200.53	Gria2	X57498	NM_013540
54	93485_at	0.007685	2156.5	1079.7		AI844911	NM_001014288
55	96496_g_at	0.007926	1753.43	787.3	Mytl1	U86338	NM_008666
56	97793_at	0.001502	525.62	168.9	Gria3	AB022342	NM_016886
57	98386_s_at	0.003688	746.1	497.1	Cacna1c	U17869	NM_009781
58	101684_r_at	0.002656	686.48	353.5		X67863	NM_009276
59	160393_at	0.005312	1875.2	1153.37	4930555L11Rik	AI853226	XM_284250
60	160483_at	0.00351	2482.17	1530.63	Tcf4	U16322	NM_013S85
61	160603_at	0.001371	514.82	228.13	Pparbp	AF000294	NM_013634
62	160760_at	0.003051	835.27	555.1	Ptprk	L10106	NM_008983
63	160772_i_at	0.007225	599.22	340.97	D11Ertd730e	AW214428	NM_148673
64	160859_s_at	0.008753	537.78	257.67	Nfib	Y07685	NMJJ08687
65	161119_at	0.002125	399.42	248.73	Epha5	AI854630	NM_007937
66	161329~f_at	0.005965	1303.55	955.97		AV107153	NM_009798
67	106302_at	0.001409	860.72	551.6	M113	AI851028	XM 355579
68	108556_at	0.004647	1634.8	905.5	BC036333	AI851581	NM_153592
69	110752_at	0	2538 12	1310.47	9430022M17Rik	AW122288	NM_010905
70	110760_at	0.005432	884.83	535.23	Zfp198	AI047555	NM~029498
71	110858_at	0.005877	4567.12	3251.53	B930006L02Rik	AW121823	NM_178764
72	111832_at	0.000946	1651.57	975.87		AA930337	NM_172827
73	111916 at	0.005079	1763.05	1165.33	Hmg20a	AI841396	NM_025812

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74	112795_at	0.006494	6279.33	3656.2	Tcf4	AI854434	NM_013685
75	112844_at	0.005834	1320.6	802.9	Dst	AI843343	NM_010081 /// NM_133833 /// NM_134448
76	115764_at	0.002492	1122.27	784.2	---	AI851078	NM_001029889
77	108712_at	0.005125	2375.88	1585.03	Cobl	AI844390	NM_172496
78	110457_at	0.000654	2984.88	1994.2	Hlf	AW123178	NM_172563
79	111448_f_at	0.009269	9968.92	6206.5	Satb1	AI121993	NM_009122
80	111497_at	0.004851	420.1	158.7	9030612M13Rik	AI120683	NM_172458
81	111518_at	0.005936	8084.45	5145.43	D12Ertd553e	AA170647	NM_029758
82	111935_at	0.000867	330.5	151.17	---	AI605456	NM_177065
83	111956_at	0.004312	630.22	397.33	Ggps1	AA647683	NM_010282
84	112898_at	0.009958	1213.48	689.2	Kif7	AW045576	NM_133563
85	112918_at	0.000188	5035.22	2967.33	LOC212285	AI842563	XM_132099
86	112963_at	0.001006	314.53	177.43	Zfp120	AI315103	NM_023266 /// NM_181266 /// NM_181267
87	114119_at	0.000761	8575.52	5937.97	Mtap2	AW124823	
88	114389_at	0.009089	7158.9	4552.2	Gabrb3	AI849425	NM_008071
89	114816_at	0.005886	226.97	104.27	---	AI842902	
90	114841_at	0.009653	614.82	300.17	Nf1	AA855356	NM_010897
91	115170_at	0.005895	1641.48	1145.67	Pparbp	AI480703	NM_013634 /// NM_134027
92	115191_at	0.009708	394.28	177.23	3732409C05Rik	AA693285	NM_026143 /// NM_027379
93	115486_at	0.009463	2762.47	1571.3	Kif21a	AI850764	NM_016705
94	115904_at	0.002526	993.52	601.1	1110065L07Rik	AI788994	XM_133990
95	116119_at	0.006916	1155.98	783.1	9230110G02Rik	AA833137	
96	116164_at	0.004671	717.83	493.2	Pde4a	AW045844	NM_019798 /// NM_183408
97	116376_at	0.002222	5480.85	3051.73	BC003498	AI846073	NM_030263
98	116425_at	0.002269	3853.27	2116.03	Ntrk2	AW125471	NM_001025074 /// NM_008745
99	116691_at	0.008134	8737.97	4627.8	Adcy1	AW123151	NM_009622
100	116834_at	0.007358	2084.35	1039.37	9030612M13Rik	AI840710	NM_172458
101	116904_at	0.008919	2553.35	1843.67	Sdf4	AI852774	NM_011341
102	116949_at	0.007021	1611.45	1146.33	A2bp1	AI835398	NM_021477 /// NM_183188
103	116955_at	0.000055	2462.38	1201.3	---	AI847605	NM_213616
104	117005_at	0.001156	4579.58	2829.87	C030033M19Rik	AW124012	NM_001012623 /// NM_001012624 /// NM_001012625 /// NM_053270 /// NM_183018
105	117035_at	0.001546	1246.53	815.1	Atp1a1	AI853962	NM_009727
106	117120_at	0.009172	1059.6	600	L3mbtl3	AW124145	NM_172787
107	117148_at	0.006429	1555.2	1033.37	---	AI841694	XM_146279
108	117176_at	0.009722	5992.47	3670.6	Ank2	AI846530	NM_001034168 /// NM_178655
109	117250_at	0.009594	2389.28	1696.87	B930006L02Rik	AW121519	NM_178764
110	106917_at	0.000206	1328.75	1082.17	C530030I18	AI836095	NM_207255
111	106936_at	0.000727	1152.03	453.4	A230020K05Rik	AI846328	NM_029930
112	106967_at	0.000347	132.77	26.67	Cul4b	AI427169	NM_028288

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Table 7

113	107435_at	0.003557	[illegible]	[illegible]	[illegible]
114	107874_at	0.003869	754.02	[illegible]	[illegible]
115	107880_at	0.00681	2048.37	[illegible]	[illegible]
116	109647_at	0.0044	1312.78	[illegible]	[illegible]
117	110202_at	0.[illegible]	[illegible]	[illegible]	[illegible]
118	111305_at	0.003389	1627.45	1080.47	[illegible]
119	111685_at	0.003633	1114.58	[illegible]	[illegible]
120	111767_at	0.00303	2654.45	1518[illegible]	[illegible]
121	112245_at	0.001069	[illegible]	[illegible]	[illegible]
122	112682_at	0.003122	480.8	283.33	Kif1b [illegible] NM_0084[illegible]
123	113031_at	0.005395	1087[illegible]	[illegible]	[illegible]
124	113425_at	0.003781	3628.7	[illegible]	[illegible]
125	114185_at	0.005665	[illegible]	[illegible]	[illegible]
126	114255_at	0.007[illegible]	[illegible]	[illegible]	[illegible]
127	114866_at	0.00387	2405.67	1709.13	[illegible] AW1208[illegible]
128	116236_at	0.009092	537.58	399.[illegible]	[illegible]
129	116241_at	0.008445	[illegible]	[illegible]	[illegible]
130	116557_at	0.000134	1451.5	[illegible]	[illegible] AI85312[illegible]
131	116709_at	0.007174	876.48	500.23	[illegible]
132	104940_at	0.007792	521.[illegible]	[illegible]	[illegible]
133	105742_at	0.001726	1728.47	[illegible]	[illegible] AI83529[illegible]
134	105785_at	0.000147	3504.42	[illegible]	[illegible]
135	105792_at	0.000359	579.[illegible]	[illegible]	[illegible]
136	106101_at	0.001455	1915.97	1033.1	[illegible]
137	106463_at	0.008382	411.22	232.4 ---	[illegible] XM_129[illegible]
138	106817_at	0.001218	1907[illegible]	[illegible]	[illegible]
139	106892_at	0.00129	860.87	372.57	--- [illegible]
140	107812_at	0.006233	1611.4	[illegible]	[illegible]
141	108308_at	0.007609	719	[illegible]	[illegible]
142	108313_at	0.007108	2204.12	[illegible]	[illegible] AW12452[illegible]
143	108865_at	0.004066	45[illegible]	[illegible]	[illegible]
144	109430_at	0.001886	1379.03	885.[illegible]	[illegible]
145	110110_at	0.007026	1238.77	[illegible]	[illegible]
146	110578_at	0.009776	[illegible]	[illegible]	[illegible]
147	111659_at	0.001795	657.17	441.07	[illegible]
148	162732_i_at	0.009644	1511[illegible]	[illegible]	[illegible]
149	162834_at	0.004526	[illegible]	[illegible]	[illegible]
150	163130_at	0.001291	6139.6	[illegible]	[illegible]
151	163248_at	0.000146	[illegible]	[illegible]	[illegible]
152	163435_at	0.00282	783.52	[illegible]	[illegible]

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153	163540_i_at	0.000313	1873.52	887.23	4930438D12Rik	AA839266	NM_175212
154	163643_i_at	0.00513	18758.45	15024.33	Ppp3ca	AI843998	NM_008913
155	163653_at	0.001061	2332.63	1471.5	1110003E01Rik	AI838975	NM_133697
156	163689_at	0.001771	1885.57	1399.17	Mtel	AA286242	NM_134188
157	164020_at	0.001271	420.22	2Sa.2	--	AW061143	NM_133766
158	164295_i_at	0.029920	1279.07	594.43	B230106I24Rik	AV231065	NM_178772
159	130911_at	0.001604	4419.93	2255.23	K13Rik	AI197367	
160	134685_at	0.005152	4043.13	2697.13	9930116O05Rik	AW124414	
161	136105_at	0.005328	1467.87	853.83	Prdx1	AI845509	NM_011034
162	137565_at	0.002724	1317.68	803.6	--	AI482346	NM_025965
163	137586_at	0.002439	596.5	314.2	---	AI464921	NM_010880
164	138036_at	0.003513	3174.73	1463.77		AI851444	
165	138070_at	0.001484	26565.8	16220.37	Sv2b	AW045524	NM_153579
166	138507_at	0.005587	11527.93	7440.2	--	AI852513	
167	138965_at	0.009962	1343.52	699.6	Dgkg	AI854428	NM_138650
168	139519_at	0.001308	21432.33	9458.93	Gabra2	AW046395	NM_008066
169	139531_at	0.00739	845.88	388.83	Syt6	AW120795	NM_018800
170	141051_at	0.004399	493.83	281.37	Fgf10	AI527654	NM_008002
171	135383_r_at	0.005943	5305.3	3178.53	Pank3	AW213269	NM_145962
172	138380_at	0.003259	2816.25	1378.33		AW060925	
173	138395_at	0.003553	3392.93	2003	--	AW121944	
174	138798_at	0.005087	1667.98	933.5	D10Ertd516e	AI644073	XM_125901
175	139426_r_at	0.000493	1251.92	861.5		AW228933	NM_010206
176	129828_f_at	0.007249	2475.03	1369.9		AW214443	NM_030099
177	129892_at	0.009879	1345.7	322.57	--	AW124659	
178	130649_at	0.006394	3228.6	1810.67	2610002M06Rik	AW011755	
179	134347_f_at	0.000422	9405.13	5730.17		AI450343	
180	135258_at	0.00219	3535.72	1045.47		AI848604	
181	137719_at	0.00234	794.1	282.53	Csmd3	AW049014	XM_139502
182	139150_at	0.005191	1903.47	747.03		AW121912	NM_177379
183	165760_f_at	0.008876	2274.58	1622.17	Arpc1	AI852867	NM_028809
184	165770_at	0.002816	6761.48	4427.33	4833444A01Rik	AI851927	
185	166426_i_at	0.004313	9470.87	6585.97	1200009K13Rik	AV236832	NM_025814
186	166513_at	0.002618	1275.38	677.1	C130038G02Rik	AI844429	NM_001033601
187	166816_at	0.004726	3451.35	2573.4	Cul5	AI852817	NM_027807
188	167282_i_at	0.00348	6497.6	3854.03	Nxph1	AV342681	NM_008751
189	167598_at	0.001348	2579.32	1590.57		AW125296	
190	167905_f_at	0.000012	4200.92	1728.97	Flrt3	AV240055	NM_178382
191	168123_at	0.006874	17210.08	6449.67	6330407J23Rik	AI849309	NM_026138

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192	168462_at	0.009717	1812.47	1102.9	---	AV340874	XM_139540	
193	168478_s_at	0.003674	6265.57	3104.2	5730496F10Rik		AV366153	XM_131212
194	168513_f_at	0.001831	1600.07	1138.7	Rnut1	AV331209	NM_178374	
195	168697_s_at	0.003626	759.63	596.63	---	AV235358	---	
196	169223_at	0.002246	1136.07	808.67	4632425D07Rik		AV305379	XM_485684
197	170018_r_at	0.006368	3058.38	2476.37	---	AV328848	NM_027288	
198	170053_i_at	0.001649	1250.3	888	---	AV303269	---	
199	171126_f_at	0.001719	2802.53	2239.87	---	AV050312	NM_145465	
200	171190_f_at	0.009929	1205.9	467.33	---	AV118515	NM_011857	

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192	168462_at	0.009717	1812.47	1102.9		AV340874	XM_139540	
193	168478_S_at	0.003674	6265.57	3104.2	5730496F10Rik		AV3 66153	XMJ.31212
194	168513_f_at	0.001831	1600.07	1138.7	Rnutl	AV331209	NM_178374	
195	158697_s_at	0.003626	759.63	596.63		AV235358		
196	169223_at	0.002246	1136.07	808.67	4632425D07Rik		AV305379	XM_485684
197	170018_r_at	0.006368	3058.38	2476.37		AV328848	NM_027288	
198	170053_i_at	0.001649	1250.3	888	AV303269			
199	171126_f_at	0.001719	2802.53	2239.87		AV050312	NM_145465	
200	171190 f at	0.009929	1205.9	467.33		AV118515	NM 011857	

Table 8

%Monocular deprivation (4 days) versus control
%Downregulated in short term MD
%Significance criterion = 0.01
%

%i	affyid	p	data	control	gene		
1	1445805_x_at	0	1648.67	2595.4	Kcnh3	BG069378	NM_010601
2	1454671_at	0.000007	490.73	595.23	Insig1	BB005488	NM_153526
3	1420901_a_at	0.000008	3185.2	4790.07	Hk1	NM_010438	NM_010438
4	1423560_at	0.000009	1211.87	2468.47	Nell2	AI838010	NM_016743
5	1424400_a_at	0.000009	1106.87	1547.73	Aldh1l1	AK007822	NM_027406
6	1424459_at	0.000009	1496.77	2685.7	BC005662	BG068664	NM_145376
7	1440407_at	0.000009	433.17	960.27	---	BE955823	---
8	1423749_s_at	0.000013	1376.5	1836.1	Rangap1	AV258722	NM_011241
9	1423044_at	0.000014	1345.87	1864.07	Prosc	AV072100	NM_054057
10	1420807_a_at	0.000016	513.93	809.57	Egfl9	NM_134120	NM_134120 /// NM_207666
11	1423823_at	0.000017	1046.3	1186.63	2610012O22Rik	BC005734	NM_023536
12	1426699_at	0.000017	268.17	431.5	AU040320	BG071197	NM_133886
13	1417042_at	0.000018	869.03	1130.73	Slc37a4	NM_008063	NM_008063
14	1460663_at	0.000018	454.17	1008.23	Cckbr	NM_007627	NM_007627
15	1423909_at	0.000019	642.53	786.93	0610011I04Rik	BC010831	NM_025326
16	1429039_s_at	0.00002	568.27	894.7	1500034J01Rik	BI904336	XM_356085
17	1430514_a_at	0.000022	388.57	598.6	2410026K10Rik	AK002762	NM_025584
18	1422605_at	0.000028	1460.13	2422.23	Ppp1r1a	NM_021391	NM_021391
19	1423721_at	0.000028	1057.87	1517.03	Tpm1	M22479	NM_024427
20	1449960_at	0.000028	153.33	866.23	Nptx2	NM_016789	NM_016789
21	1424476_at	0.00003	343.33	1010.83	Camkk2	BI157430	NM_145358
22	1451007_at	0.000033	125.9	248.2	Cnnm2	BB278418	NM_033569
23	1451226_at	0.000034	1015.93	1644.77	Pex6	BC003424	NM_145488
24	1434762_at	0.000038	363.67	515.77	A730041O15Rik	BF457736	NM_178751
25	1433429_at	0.000042	855.93	1046.63	Pigs	BB309245	NM_201406
26	1453419_at	0.000044	2625.47	4014.57	2900078C09Rik	AK013800	---
27	1418370_at	0.000045	291.9	1017.13	Tnnc1	NM_009393	NM_009393
28	1449977_at	0.000052	263.83	711.43	Egr4	NM_020596	NM_020596
29	1424345_s_at	0.000055	1666.47	2247.47	Ube2m	BC021792	NM_145578
30	1451992_at	0.00006	1646.07	2355.17	Adrbk1	AF333028	NM_130863
31	1436094_at	0.000064	1962.47	3452.77	---	BF458396	---
32	1455462_at	0.000065	2796.3	4038	Adcy2	AV025455	NM_153534
33	1415964_at	0.000066	1767.83	2509.97	Scd1	NM_009127	NM_009127
34	1423794_at	0.000068	705.3	895	D2Ertd391e	BM231455	NM_145528

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	1435117_	_a_at	0.000069	2834.67	3555.57	C330021A05Rik	BQ175552	NMJL53082
	1437386	]at	0.000069	1657.63	3225.83	Lrrn6a	BQ176787	NM_181074
	1448332	at	0.000071	775.67	1224.17	Pexl9	KM_023041	NM_023041
	1460286]	at	0.000071	1296.23	1811.43	6-Sep	NM_019942	NM_019942
	1421255]	_a_at	0.000074	750	1599.67	Cabpl	NM_013879	NM_013879
	1424581]	]at	0.000075	580.2	1078.27	Stac2	BC024864	NM_146028
	1453093]	at	0.000075	416.7	783.53	Rasgeflc	AK018593	NM_029004
	1424530	]at	0.000077	372.73	626.73	Secl4l2	BC005759	NM_144520
	1431936_	a_at	0.000077	226.03	320.63	Neu2	AK009828	NM_015750
	1418187	]at	0.000079	457.53	579.1	Ramp2	AF146523	NM_019444
45	1428723_	at	0.000082	390.1	511.43	2310047M10Rik	AK009886	XM_484040
46	1434381]	]at	0.000086	393.1	631.03	BC060631	AV287602	NM_177700
47	1418181.	at	0.000089	689.5	898.4	Ptp4a3	AK014601	NM_008975
48	1427897]	s at	0.000089	1539.57	1924	2400003N08Rik	AK010274	NM_178622
49	1428986]	at	.000094	6818.8	13251.63	Slcl7a7	BQ175176	NM_18299?
50	1436952]	at	.000096	277	428.33	Klf9	BE995545	NM_0.10638
51	1460566]	_at	,000096	3907.67	5918.03	LOC545454	BB765000	XM_619804
52	1442166]	at	.000098	1335.57	2073.63	Cpne5	BB273427	NM_153166
53	1427230]	]at	.000108	676.53	770.43	B930041F14Rik	BB322737	NM 178699
54	1436216]	_s_at	0.000108	627.73	1267.4	2610204M08Rik	BM234799	NM 198411
55	1455714]	at	0 000108	1558.83	3193.13	Gm691	BQ174072	NM_198627
56	1449956_	.at	0 00011	2168.23	3768.03	Prkce	NM 011104	NM 011104
57	1424178_	at	0 000118	1155.8	1715.83	Tmem38a	BC014728	NM_144534
58	1436327]	_a_at	0 .000122	182.03	319.53	3100002B05Rik	BM934830	NM_026664
59	1420904_	at	0 000123	176.2	264.07	Ill7r	AK010040	NM_008359
60	1425248_	a_at	0.000128	1813.47	2664.2	Tyro3	AB000828	NM_019392
61	1433566_	at	0 000132	2339955..6633	3145.73	RasllOb	BB381618	XM_205779
62	1425833]	a_at	0.000136	4200.27	7442.53	Hpca	AF326551	NM_010471
63	1415956]	a at	0.000142	2803.4	4046.93	Pctkl	NM_011049	NM_011049
64	1450910_	at	000146	4791.37	7114.33	Cap2	AV261931	NM_026056
65	1418078_	at	00015	948.6	1445.57	Psme3	U60330	NM_011192
66	1440455	at	000154	4414.9	5955.83	AI848599	AI848599	
67	1460205]	at	000155	498.63	612.17	6720485C15Rik	NM_026551	NM_026551
68	1436754	at	000156	1707.07	2111.13	AI839735	BB360523	NM_178915
69	1436526]	at	000157	833.57	1051.63	Gnptg	BI965034	NM 172529
70	1421535_	a_at	0.000167	412.07	589.83	Pde4a	NM_019798	NM_019798
71	1453297]	at	0 000167	2068	2781.4	4933417008Rik	AK016850	NM_027694
72	1427113_	_s_at	0.000169	1407.4	2055.87	2700049H19Rik	AV127581	
73	1426945]	at	0 000173	2057.4	2972.4	Ranbp5	AW536621	NM_023579
74	1434657	at	0 000175	7472.93	10753.97	GIs	BE983473	XM 129846

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Table 8

Table 8

75	1419389_at	0.00018	200.23	365.9	Pde10a	BQ180352	NM_011866
76	1448891_at	0.000187	224.8	260.07	Msr2	BC016551	NM_030707
77	1418053_at	0.000192	4577.13	7433.07	Sncb	NM_033610	NM_033610
78	1417050_at	0.000193	6565.03	7958.03	C1qtnf4	NM_026161	NM_026161
79	1434125_at	0.000194	483.37	566.3	Utp15	AV227804	NM_178918
80	1449471_at	0.000196	3158	4086.53	Kcnmb4	NM_021452	NM_021452
81	1421124_at	0.000198	548.2	1300.23	Cdk5r1	NM_009871	NM_009871
82	1424146_at	0.000199	3758.2	5767.03	Gpr37l1	AB016602	NM_134438
83	1448378_at	0.000202	1428.03	3224.2	Fscn1	NM_007984	NM_007984
84	1453273_at	0.000203	690.97	1253.3	Kcnv1	AV142265	NM_026200
85	1427189_at	0.000205	491.43	697.43	Arih1	BB362210	NM_019927
86	1422619_at	0.000212	464.8	629.37	Ppap2a	NM_008903	NM_008247 /// NM_008903
87	1418079_at	0.000213	804.07	1176.2	Psme3	U60330	NM_011192
88	1422580_at	0.000213	646.03	1257.23	Myl4	NM_010858	NM_010858
89	1423449_a_at	0.000215	1191.3	1762.83	Actn4	BM234779	NM_021895
90	1439578_at	0.000222	880.97	1344.2	Lsm11	BB713457	NM_028185
91	1418457_at	0.000226	926.83	1475.53	Cxcl14	AF252873	NM_019568
92	1460393_a_at	0.000228	459.83	719.7	Dusp7	BE136125	NM_153459
93	1451935_a_at	0.000229	558.53	659.97	Spint2	AF099020	NM_011464
94	1435677_at	0.000233	468.23	767.3	C85492	BB247709	NM_153540
95	1451072_a_at	0.000236	949.1	1348.8	Rnf4	AV045658	NM_011278
96	1427735_a_at	0.00024	637.13	1000.8	Acta1	M12233	NM_009606
97	1436373_at	0.000241	328.87	537.63	Map3k10	AA789425	XM_194344
98	1423561_at	0.000247	3626.4	5737.9	Nell2	AI838010	NM_016743
99	1434575_at	0.000249	2711.7	3723.1	Epb4.1l1	BB794965	NM_001003815 /// NM_001006664 /// NM_013510
100	1434610_at	0.00025	1212.2	1473.67	Plec1	BM210485	NM_011117 /// NM_201385 /// NM_201386 /// NM_201387 /// NM_201388 /// NM_201389 /// NM_201390 /// NM_201391 /// NM_201392 /// NM_201393 /// NM_201394
101	1454159_a_at	0.000252	876.07	1915.33	Igfbp2	AK011784	NM_008342
102	1416754_at	0.000254	4351.47	8472.7	Prkar1b	NM_008923	NM_008923
103	1417313_at	0.000258	536.43	961.6	Lsm7	NM_025349	NM_025349
104	1451663_a_at	0.000261	2203.43	2497.73	Trim3	AF220019	NM_018880
105	1448130_at	0.000262	1759.1	2579.4	Fdft1	NM_010191	NM_010191
106	1416516_at	0.000264	350.07	1262.4	Fscn1	NM_007984	NM_007984
107	1447634_x_at	0.000267	109.1	141	Chc1l	BB091862	NM_134083
108	1421123_at	0.000277	335.1	869.97	Cdk5r1	NM_009871	NM_009871
109	1417035_at	0.000278	797.13	1038.97	Sac3d1	BI134670	NM_133678
110	1424132_at	0.000279	847.2	1311.3	Hras1	BC011083	NM_008284
111	1442883_s_at	0.000281	3433.43	5168.4	D10Bwg1364e	BI413749	NM_145421
112	1435790_at	0.000285	1776.87	2631.67	Olfm2	BG864960	NM_173777
113	1454780_at	0.000285	660.23	836.1	Galntl4	AV238718	NM_173739

Table 8

114	1433695_at	0.000289	2782.17	3052.37	1500041B16Rik	BQ174762	NM_029861
115	1421606_a_at	0.000293	2418	3884.8	Sult4al	NM_013873	NM_013873
116	1436642_x_at	0.000299	416.97	512		BE993148	
117	1449380_at	0.0003	4633.93	7426.67	Pacsinl	BI731319	NMJ311861 /// NM_178365
118	1428753_a_at	0.000301	959.27	1418.6	Dgcr	AK019346	NM_010047
119	1424633_at	0.000305	775.03	1565.47	Camklg	AF428262	NM_144817
120	1440133_x_at	0.000305	3711.37	8651.53	Prkarlb	BB283894	NM_008923
121	1423816_at	0.000308	3224.43	6870.33	Cxxlb	BC003436	NM_001018063
122	1433899_x_at	0.000309	1783.5	3018.2	Tsc22dl	AU016382	NM_009366 /// NM_207652
123	1416278_a_at	0.000312	7994.33	10793.77	Atp o	NM_138597	NM_138597
124	1419680_a_at	0.000315	338.1	461.6	Elac2	NM_023479	NM_023479
125	1416883_at	0.000318	2768.	4368.27	Clptml	NM_019649	NM_019649
126	1434761_at	0.000318	584.1	980.87	Lrrtm3	BM224801	NM_178678
127	1445878_at	0.000319	52.03	114	C920006OllRik	BE630205	XM_489286
128	1423940_at	0.000324	463.8	630.97	Yifla	BC011117	NM_026553
129	1426055_a_at	0.000327	334.73	52.7.8	Pigq	AF030178	NM_011822
130	1428165_at	0.000331	736.53	886.7	Vps24	AK009414	NM_025783
131	1429290_at	0.000334	4479.23	6102.57	Cbx6	BE951971	NM_028763
132	1422967_a_at	0.000337	115.47	254.43	Tfre	BB810450	NM_0U638
133	1451943_a_at	0.000339	1288.1	1756.77	Ppmla	AF259673	NM_008910
134	1455896_a_at	0.000343	1374.7	2037.43	Kcnkl	AU043100	NM_008430
135	1439333_at	0.000344	1350.23	2247.47	Kcnvl	BB078927	KM_026200
136	1448956_at	0.000346	1780.9	2805.2	Stardl0	NM_019990	NM_019990
137	1451427_a_at	0.000346	256.5	412	Egfl7	BC024610	NMJ.78444 /// NM_198724 /// NM_198725
138	1428964_at	0.000346	1255.13	1715.17	Slc25al8	AK005250	XM_110620 /// XM_207112
139	1436702_at	0.000349	1655.03	2589.03	BC034068	BE989731-	NM_001001985
140	1456838_at	0.000351	441.3	848.17	LOC237403	BE995608	XM_137156
141	1417664_a_at	0.000359	4353.47	6370.07	Ndrg3	BE631549	NM_013865
142	1415978_at	0.00037	2640.53	3659.23	Tubb3	NM_023279	NM_023279
143	1419742_at	0.00037	514.23	753.4	1700037H04Rik	NM_026091	NM_026091
144	1434612_s_at	0.00037	1348.13	1735.97	SblUOl	BE947961	XM_355637
145	1459107_at	0.000373	1568.9	2525.77	Kcnh3	BG069378	NM_010601
146	1449381_a_at	0.000376	2571.57	3607.63	Pacsinl	BI731319	NM_011861 /// NM_178365
147	1422733_at	0.000382	904.23	1450.9	Fjxl	AV230815	NM_010218
148	1419223_a_at	0.000383	1019.	1492.2	Dtna	AF143542~	NM_010087 /// NM_207650
149	1422936_at	0.000383	117.27	202.13	Masl	NM_008552	NM_008552
150	1434707_at	0.000391	1519.27	2053.53	Sbfl	AV121839	XM]]358316
151	1426667_a_at	0.000393	1137.83	1744.37	Unc84a	BG071740	NM_024451
152	1425110_at	0.000397	433.37	621.13	Sorcs3	AK018111	NM_025696
153	1449590_a_at	0.000398	605.77	921.53	Mras	AB004879	NM 008624

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154	1431137_at	0.000408	1111.03	1656.37	Rusc1	AI614077	NM_028188
155	1427708_a_at	0.000412	80	185.3	Nf2	L22989	NM_010898
156	1449511_a_at	0.000413	2119.8	719.37	Ssbp4	NM_133772	NM_133772
157	1431749_a_at	0.000415	408.4	903.3	Rasgrp1	AK013548	NM_011246
158	1417080_a_at	0.000418	625.63	721.13		MGI:1349469	NM_012029
159	1419655_at	0.000421	641.8	957.93	Tle3	NM_009389	NM_009389
160	1452782_a_at	0.000426	980.73	1393.13	Txn2	AK002358	NM_019913
161	1441718_at	0.000427	101.23	221.37	4432411E13Rik	BB283834	XM_196130
162	1448164_at	0.000429	3163.93	5146.23	Klhdc3	NM_027910	NM_027910
163	1448247_at	0.00043	874.17	974.53	Bcl7b	NM_009745	NM_009745
164	1422134_at	0.000431	98.67	298.37	Fosb	NM_008036	NM_008036
165	1434900_at	0.000437	1075.7	1369	Mkl1	BM196656	NM_153049
166	1422807_at	0.000438	1115.03	1747.6	Arf5	NM_007480	NM_007480
167	1428123_at	0.000439	106	216.67	2610528K11Rik	AK012178	NM_175184
168	1421348_a_at	0.00044	2814.3	3619.87	1500001H12Rik	NM_021316	NM_021316
169	1449111_a_at	0.000444	1369.9	1823.83	Grb2	BG064712	NM_008163
170	1419184_a_at	0.000447	1001.2	1544.13	Fhl2	NM_010212	NM_010212
171	1419737_a_at	0.000447	5204.43	8303.07	Ldh1	NM_010699	NM_010699
172	1423785_at	0.000448	2107.2	2699.87	Egln1	BE995700	NM_053207
173	1417876_at	0.000449	95.27	159.97	Fcgr1	AF143181	NM_010186
174	1416718_at	0.000454	1529.9	2293.53	Bean	NM_007529	NM_007529
175	1437944_at	0.000455	215.67	542.4	Shc2	BI714008	XM_125779
176	1416515_at	0.000461	649.2	2213.03	Fscn1	NM_007984	NM_007984
177	1422407_s_at	0.000464	2195.57	3331.57	Hras1	NM_008284	NM_008284
178	1424981_at	0.000465	213.5	306.1	Nln	BC016224	NM_029447
179	1426249_at	0.000472	3417.13	4548.83	Adrbk1	AF333028	NM_130863
180	1429533_at	0.000475	587.13	904.57	Immt	BB222675	NM_029673
181	1433819_s_at	0.000475	1599.8	1863.67	Agpat3	AV296997	NM_053014
182	1432029_a_at	0.000476	1339.2	2090.7	Smap1	AK006817	NM_028534
183	1423333_at	0.000482	399.47	841.47	1200007D18Rik	AK003239	NM_026170
184	1419710_at	0.000484	604.17	1604.47	Nxph3	NM_130858	NM_130858
185	1425572_a_at	0.000485	1362.37	2453.17	Ddef1	BE943736	NM_010026
186	1418451_at	0.000491	587.07	822.8	Gng2	BB522409	NM_010315
187	1416492_at	0.000494	266.33	401.3	Ccne1	NM_007633	NM_007633
188	1441894_s_at	0.000501	2864.1	5767.47	Grasp	BB071890	NM_019518
189	1450008_a_at	0.000508	3872.63	4658.33	Ctnnb1	NM_007614	NM_007614
190	1419398_a_at	0.000511	3158.77	4666.3	Dpi	NM_007874	NM_007874
191	1425525_a_at	0.000512	339.1	578.1	P2rx4	AF089751	NM_011026
192	1454692_x_at	0.000514	701.83	1408.2		BB722680	
193	1447449_at	0.000517	124.47	284.9		BE983114	

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194	1417959_at	0.000523	1178.83	1378.4	Pdlim7	NM_026131	NM_026131	
195	1424196_at	0.000528	937.67	1184.83	Yipf1	BC009080	NM_145550	
196	1428777_at	0.000536	951.27	1191.9	Spred1	AK017680	NM_033524	
197	1421396_at	0.000539	237.73	467.37	Pcsk1	M69196	NM_013628	
198	1433993_at	0.00054	611	691.17	4931406P16Rik	BG067664	NM_172741	
199	1422153_a_at	0.000541	171.23	282.7	Asb11	NM_026853	NM_026853	
200	1460498_a_at	0.000541	540.93	967.27	Dnajc5	BI585030	NM_016775	
201	1426738_at	0.000544	2345.17	3526.6	Dgkz	BC014860	NM_138306	
202	1449980_a_at	0.000544	1549.27	1904.63	Gabrd	NM_008072	NM_008072	
203	1444723_at	0.000544	516.77	832.6	6530418L21Rik	BB049759	NM_175398	
204	1454871_at	0.000544	342.53	595.67	Rbm15b	BB776868	NM_175402	
205	1437078_at	0.000545	697.43	1031.93	Vps52	BF468377	NM_172620	
206	1434325_x_at	0.000552	16705.13	24930.6	Prkar1b	BB274009	NM_008923	
207	1447965_at	0.000553	127.13	222.43	C80012	BG066596	---	
208	1429392_at	0.000553	525	645.03	Wdr40a	BI558553	NM_026893	
209	1421486_at	0.000563	168.6	325.43	Egr3	NM_018781	NM_018781	
210	1448718_at	0.000565	824.53	1015	2400001E08Rik	NM_025605	NM_025605	
211	1416437_a_at	0.000567	1735.67	2705.97	Mapk8ip3	AF262046	NM_013931	
212	1421181_at	0.000569	658.17	1699.3	Nptxr	BI733611	NM_030689	
213	1449552_at	0.00058	985	2252.67	Zfr	NM_011767	NM_011767	
214	1452427_s_at	0.000582	1694.37	2229.73	AW742319	BM950003	NM_021345	
215	1430607_at	0.000586	179.27	452.5	4930505D03Rik	BB279598	XM_137322	
216	1455436_at	0.000587	6827.57	10025.53	Diras2	LOC544932	BM114282	NM_001024474 /// XM_619099
217	1423222_at	0.00059	1751.1	3021.27	Cap2	AV261931	NM_026056	
218	1448335_s_at	0.00059	4222.87	5090.6	Ccni	NM_017367	NM_017367	
219	1423853_at	0.000591	5386.6	7438.33	6330527O06Rik	BC004791	---	
220	1451290_at	0.000596	3610.07	6293.07	Map1lc3a	BC010596	NM_025735	
221	1418004_a_at	0.000607	1348.13	1614.67	1810009M01Rik	NM_023056	NM_023056	
222	1448431_at	0.000607	463.87	667.9	Asb6	NM_133346	NM_133346	
223	1424956_at	0.000611	246.47	417.3	Ahdc1	BC019130	NM_146155	
224	1423049_a_at	0.000616	716.3	1160.8	Tpm1	AK002271	NM_024427	
225	1449198_a_at	0.000619	1410.47	2231.37	St3gal5	BB829192	NM_001035228 /// NM_011375	
226	1415824_at	0.000623	1332.1	2685.7	Scd2	BG060909	NM_009128	
227	1434879_at	0.000623	1120.5	1536.77	Cdc34	BI794243	NM_177613	
228	1431420_s_at	0.000626	3205.83	3876.57	2610524G07Rik	BI082843	NM_025596	
229	1426379_at	0.000627	651.97	977.13	Eif4b	AW741459	NM_145625	
230	1432016_a_at	0.000627	6919.63	8332.2	Idh3a	AK003393	NM_029573	
231	1416965_at	0.00063	7858.67	9456.17	Pcsk1n	AF181560	NM_013892	
232	1441300_at	0.000631	359.8	673.93	Kcnf1	BB275623	NM_201531	
233	1420368_at	0.000635	1988.17	2242.67	Denr	AK010394	NM_026603	

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234	1434635_at	0.00064	3640.8	
235	1416882_at	0.000641	1140.8	
236	1455640_a_at	0.000644		
237	1425130_a_at	0.000647	351.	
238	1428745_a_at	0.00066	773.	
239	1434730_at	0.000661		
240	1421260_a_at	0.000662		
241	1442019_at	0.000672	3075.6	6017
242	1424638_at	0.000673	208.77	
243	1415732_			
244	1452162_at	0.000687	796.1	1050
245	1434794_at	0.000691	745.4	1000.17
246	1417128_at	0.000703	481.97	729.43
247	1460181_at	0.000704	9575	
248	1450504_a_at	0.000707	676.	
249	1426901_s_at	0.000709	4037	
250	1439740_s_at	0.00071	544.	
251	1433802_at	0.000711	3508.8	
252	1434147_at	0.000716	2097.87	
253	1428050_a_at	0.000717		
254	1425249_a_at	0.00	223.	
255	1433494_at	0.000723		
256	1434228_at	0.000724	2	
257	1442502_at	0.000725	235.53	
258	1424268_at	0.000737		
259	1440355_at	0.000737	95.2	
260	1425892_a_at	0.000738	292.	
261	1436464_at	0.000748		
262	1420013_s_at	0.000754	194.1	346.
263	1426855_at	0.000778	667.6	1162.53
264	1450243_a_at	0.000779	626.	
265	1418214_at	0.00079	1095	
266	1436517_at	0.00079	735.2	1106.67
267	1435868_at	0.000796	413.	
268	1423810_at	0.000797	2988.4	
269	1418738_at	0.000799		
270	1416287_at	0.000804	5745	
271	1421860_at	0.000806	4839	
272	1416540_at	0.000807	1171.67	
273	1422622_at	0.000807	311.37	

Table 8

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274	1454653_at	0.000811	656.97
275	1421962_at	0.000815	1080
276	1424710_a_at	0.000815	
277	1419473_a_at	0.000818	
278	1425176_at	0.000818	993.07 1320.93
279	1432296_a_at	0.000825	35.8
280	1451956_a_at	0.000825	407.
281	1456933_at	0.000828	54.
282	1451808_at	0.000832	630.4 1341
283	1425511_at	0.000839	592.
284	1435615_at	0.000841	2114 951
285	1450711_at	0.000842	1438 790.8
286	1428158_at	0.00085	881.5 1273
287	1452789_at	0.000858	3787 352
288	1425748_at	0.00086	
289	1423007_a_at	0.00	83.6
290	1448784_at	0.000868	2735.67
291	1422034_a_at	0.00087	
292	1426499_at	0.00087	2527 3677.7
293	1424037_at	0.000871	2932.43 4155
294	1448366_at	0.000872	6880.8
295	1452394_at	0.000872	546.33
296	1449129_a_at	0.000881	
297	1422820_at	0.000884	135.93 229.
298	1454628_at	0.000888	500. 57.
299	1453732_at	0.00089	257.53
300	1416387_at	0.000894	1582.53
301	1434973_at	0.000896	322.07
302	1449694_s_at	0.	28.
303	1418611_at	0.000908	3140 569.
304	1453742_at	0.000911	830.23 1077
305	1417133_at	0.000912	786.57 1097
306	1419333_at	0.000913	3 51.5
307	1426502_s_at	0.000916	401. 81.3
308	1457333_at	0.000916	209.17 332.
309	1456164_at	0.000921	39.83 127.
310	1417709_at	0.000928	6343 468
311	1423343_at	0.000928	
312	1417448_at	0.000933	401.
313	1454759_at	0.000937	

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314	1420833_at	0.00094	[illegible]
315	1449362_a_at	0.000944	[illegible]
316	1426068_at	0.000947	1629.13
317	1459890_s_at	0.000951	5994.
318	1452173_at	0.000954	958.
319	1427416_x_at	0.000957	[illegible]
320	1450520_at	0.000958	2075.
321	1428782_a_at	0.00096	5311.7
322	1424053_a_at	0.000961	[illegible]
323	1460706_s_at	0.000964	534.
324	1419168_at	0.000965	711.23
325	1423685_at	0.000965	2455.17
326	1451015_at	0.000966	1870.
327	1428118_at	0.000967	3489.17
328	1415804_at	0.000968	3339.
329	1421862_a_at	0.000969	618.
330	1426658_x_at	0.00[illegible]	[illegible]
331	1441610_at	0.000978	2804.
332	1420998_at	0.000979	[illegible]
333	1451795_at	0.000981	457.03
334	1444020_at	0.000985	3201.93
335	1416684_at	0.000988	1202.2
336	1452100_at	0.000988	1303.
337	1431753_x_at	0.000989	[illegible]
338	1416439_at	0.000995	618.
339	1437392_at	0.000996	1328
340	1434483_at	0.001001	615.
341	1450082_s_at	0.001002	469.
342	1425617_at	0.001004	405.9
343	1451630_at	0.001009	69[illegible]
344	1424391_at	0.001014	1283.17
345	1455192_at	0.001015	1051.
346	1428031_at	0.001018	[illegible]
347	1451224_at	0.001021	5025.
348	1426617_a_at	0.001022	[illegible]
349	1424480_s_at	0.001025	1142.43
350	1423862_at	0.001026	[illegible]
351	1420814_at	0.001029	6089.
352	1445473_at	0.001029	[illegible]
353	1430029_a_at	0.001034	1293.

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Table 8

354	AFFX-TransRecMur/X57349_5_at	0.001038	87.07	[illegible]	[illegible]
355	1434092_at	0.001046	79.27	118.67	Nos3as [illegible]
356	1449183_at	0.001055	1367.43	[illegible]	[illegible]
357	1449474_a_at	0.001073	2267.27	[illegible]	[illegible]
358	1454953_at	0.001087	2211.1	[illegible]	[illegible]
359	1436381_at	[illegible]	[illegible]	[illegible]	[illegible]
360	1450969_at	0.001095	922.53	[illegible]	[illegible]
361	1415803_at	0.0011	10073	[illegible]	[illegible]
362	1417747_at	0.001104	4075.43	[illegible]	[illegible]
363	1450086_at	0.001107	175.13	[illegible]	[illegible]
364	1452248_at	0.001107	870.77	[illegible]	[illegible]
365	1460692_at	0.00111	2682.83	3405.23	[illegible]
366	1448230_at	0.001116	1148.6	1283.	[illegible]
367	1434595_at	0.001116	2098.	[illegible]	[illegible]
368	1419045_at	0.001117	3242.	[illegible]	[illegible]
369	1427045_at	0.00112	1864.43	2762.	[illegible]
370	1420670_at	0.001126	405.63	786.4	[illegible]
371	1455271_at	0.00113	[illegible]	[illegible]	[illegible]
372	1416739_a_at	0.001138	165.67	[illegible]	[illegible]
373	1428687_at	0.001141	[illegible]	[illegible]	[illegible]
374	1418456_a_at	0.001143	1240.	[illegible]	[illegible]
375	1457268_at	0.001144	333.4	[illegible]	[illegible]
376	1422694_at	0.001153	[illegible]	[illegible]	[illegible]
377	1424736_at	0.001157	9049	10540.83	[illegible]
378	1436119_at	0.001157	[illegible]	[illegible]	[illegible]
379	1419041_at	0.001162	3288.	[illegible]	[illegible]
380	1419137_at	0.001167	3295.6	[illegible]	[illegible]
381	1416753_at	0.00117	8061.97	[illegible]	[illegible]
382	1435889_at	0.001171	[illegible]	[illegible]	[illegible]
383	1435367_at	0.001175	[illegible]	[illegible]	[illegible]
384	1417476_at	0.001177	918.13	[illegible]	[illegible]
385	1415893_at	0.001179	137.87	[illegible]	[illegible]
386	1460460_a_at	0.00119	[illegible]	[illegible]	[illegible]
387	1416588_at	0.001192	3107.7	[illegible]	[illegible]
388	1425671_at	0.001202	117.7	[illegible]	[illegible]
389	1456247_x_at	0.00121	[illegible]	[illegible]	[illegible]
390	1431385_a_at	0.001212	[illegible]	[illegible]	[illegible]
391	1422564_at	0.001219	606.9	976.6	[illegible]
392	1433635_at	0.00122	783.4	[illegible]	[illegible]
393	1446484_at	[illegible]	[illegible]	[illegible]	[illegible]

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394	1426225_at	0.001231	816.3	1400.23	Rbp4	U63146	NM_011255
395	1449000_at	0.001234	1769.5	2484.7	D10Jhu	NM_138601	NM_138601
396	1421846_at	0.001235	2576.13	3404.47	Wsb2	BM730566	NM_021539
397	1431422_a_at	0.001237	2194	3280.47	Duspl4	AK009744	NM_019819
398	1442614_at	0.001237	309.97	456.77	Illrap	BE945253	NM_008364 /// NM_134103
399	1416475_at	0.001238	772.3	1160.13	Ube2d2	NM_019912	NM_019912
400	1438058_s_at	0.001247	3741.37	4880.13	Ptov1	BG073526	NM_133949
401	1422635_at	0.001249	335.4	571.5	Ache	NM_009599	NM_009599
402	1433876_at	0.001255	529.6	718.9	6430402H13Rik	AV337650	NM_198119
403	1440971_x_at	0.001256	414.33	620.97	G630024C07Rik	BB823641	NM_177362 /// NM_207676
404	1429148_at	0.001256	248.47	431.73	1110019L22Rik	AK003826	NM_026756
405	1421961_a_at	0.001261	490.17	1048.93	Dnajb5	AI664344	NM_019874
406	1447521_x_at	0.001261	1838.2	2599.97	D15Wsu169e	AI843066	NM_198420
407	1422512_a_at	0.001278	281.37	497.6	Ogfr	AW476433	NM_031373
408	1417677_at	0.00128	354.8	594.6	Opn3	NM_010098	NM_010098
409	1440132_s_at	0.00128	9882.3	17191.27	Prkar1b	BB283894	NM_008923
410	1416050_a_at	0.001282	397.43	553.63	Scarb1	NM_016741	NM_016741
411	1450067_a_at	0.001283	645.7	877.63	1810034K20Rik	NM_023397	NM_023397
412	1454045_a_at	0.001287	860.47	1296.87	4933424M23Rik	AK016901	
413	1423914_at	0.001293	1315.6	1785.1	C630004H02Rik	BC024617	NM_175454
414	1428708_x_at	0.001294	6423.13	8702.3	2610009E16Rik	AK011360	NM_026988
415	1455417_at	0.001294	690.37	1243.47	Kcnj11	AV350759	NM_010602
416	1416022_at	0.001302	4408.67	6026.13	Fabp5	BC002008	NM_010634
417	1416696_at	0.001304	538.37	625.2	D17Wsu104e	NM_080837	NM_080837
418	1418478_at	0.00131	186.3	354.43	Lmo1	NM_057173	NM_057173
419	1428714_at	0.00131	1991.83	2390	Pgrmc2	BF322962	XM_130859
420	1452661_at	0.00131	2649.33	3883.17	Tfrc	AK011596	NM_011638
421	1431611_a_at	0.001315	985.03	1224.17	Igsf4a	AK013775	NM_001025600 /// NM_018770 /// NM_207675 /// NM_207676
422	1429088_at	0.001316	761.47	944.57	MGI:1925139	AK007400	NM_029999
423	1422799_at	0.00132	2172.43	3188.1	Bat2	AK019427	NM_020027
424	1421263_at	0.001332	266.43	407.03	Gabra3	NM_008067	NM_008067
425	1448446_at	0.001333	588.7	706.07	Deaf1	NM_016874	NM_016874
426	1451803_a_at	0.001334	1043.6	1335.03	Vegfb	U48800	NM_011697
427	1436444_at	0.001335	492.9	731.43	6030405A18	AV319257	NM_177854
428	1437220_x_at	0.001345	551.3	676.73	Psmd13	BM209440	NM_011875
429	1436195_at	0.001348	394.17	636.37	BC046404	BM933144	NM_198861
430	1416853_at	0.001355	10021.3	14071.37	Ncdn	BC017126	NM_011986
431	1448346_at	0.001355	8277	12597.07	Cfl1	NM_007687	NM_007687

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432	1428393_at	0.001355	8130.43	14074.53	Nrn1	AK003046	NM_153529	
433	1420720_at	0.001357	519.07	1773.13	Nptx2	NM_016789	NM_016789	
434	1455924_at	0.001358	1290.1	4076.93	Rab6b	AV220161	NM_173781	
435	1449173_at	0.001369	1108.37	1755.27	Mpp2	NM_016695	NM_016695	
436	1421949_a_at	0.00137	80.63	116.1	2610507L03Rik	BB042564	NM_028120	
437	1436383_at	0.001371	4568.27	5456.23	Cplx2	BE946233	NM_009946	
438	1421026_at	0.001377	330.77	454.1	Gna12	BF302166	NM_010302	
439	1415953_s_at	0.001384	563.67	716.73	Mark2	BI686265	NM_007928	
440	1419954_s_at	0.001392	1019.43	1205.23	Tex27	AW539211	NM_148926	
441	1439553_s_at	0.001394	938.83	1256.8	Nutf2	AU018817	NM_026532	
442	1416521_at	0.001399	9387.7	15441.67	Sepw1	NM_009156	NM_009155	
443	1428697_at	0.001405	738.63	1277.53	Dpp8	BM939621	NM_028906	
444	1423204_at	0.001406	396.2	685.27	Tm9sf4	BB367487	NM_133847	
445	1415859_at	0.001414	1544.93	2070.8	Eif3s8	BB858329	NM_146200	
446	1426764_at	0.001414	2536.63	3341.13	Oaz2	AW214584	NM_010952	
447	1433464_at	0.001415	1259	1750.53	Ipo13	BB475675	NM_146152	
448	1422044_at	0.001417	134.47	279.47	Ndst1	AF074926	NM_008306	
449	1426463_at	0.00142	1407.07	1661.57	Gphn	AA170590	NM_172952	
450	1435902_at	0.001423	1910.4	2325.47	Nudt18	BM120193	NM_153136	
451	1436155_at	0.001424	2194.57	2851.5	Nmnat2	BB398185	NM_175460	
452	1451155_at	0.001426	132.27	291.27	Cugbp2	BB644164	NM_010160	
453	1435780_at	0.001427	2763.1	3756.47	Psd	BG966595	NM_028627	
454	1455136_at	0.00143	3663.67	4546.47	Atp1a2	AI845177	NM_178405	
455	1416786_at	0.001446	393.73	647.37	Acvr1	NM_007394	NM_007394	
456	1424203_at	0.001446	499.83	725.67	Ncln	BC019501	NM_134009	
457	1455760_at	0.001446	322.17	640.4	Gm696	BB749107	XM_204297	
458	1454106_a_at	0.001449	238.73	278.2	Cxxc1	AK017941	NM_028868	
459	1429979_a_at	0.001453	131.53	307.27	1810073N04Rik	AK007977	NM_024249	
460	1452964_at	0.001453	1204.93	1934.5	4932702F08Rik	AK016577	XM_130221	
461	1441625_at	0.001455	823.1	1182.67	A930033C01Rik	BQ174470	XM_132396	
462	1433556_at	0.001471	2487.43	3182.27	Cental	AV254037	NM_172723	
463	1443660_at	0.001471	144.6	291.2	---	BB750724	---	
464	1418616_at	0.001476	307.67	371.37	Mafk	NM_010757	NM_010757	
465	1451743_at	0.001476	192.97	319.5	D19Wsu162e	BC026369	NM_145099	
466	1453988_a_at	0.00148	289.63	417.5	Ide	AK014703	NM_031156	
467	1436508_at	0.00148	428.9	547.7	2410014A08Rik	BB000110	NM_175403	
468	1423642_at	0.001483	6639.33	8339.7	4930542G03Rik	BC005547	NM_146116	
469	1437740_at	0.001485	573.3	881.47	Plekhm2	BB757269	XM_204109	
470	1450414_at	0.001486	680.03	1028.53	Pdgfb	BC023427	NM_011057	
471	1420580_at	0.001499	251.73	407.63	4930429B21Rik	NM_026249	NM_026249	

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472	1433937_at	0.0015	411.73	531.9 Trp53bp2 BB814564 NM_173378
473	141893 8_at	0.001502	231.77	400.53 Dio2 AF177196 NM_010050
474	1460343_at	0.001502	2612	3525.5 Neurl AF401228 NM_021360
475	1419732_at	0 ,001506	1225.77	1741.03 Rtn4r NM_022982 NM_022982
476	1430829_s_at	0.001508	527.57	865.07 MGI:1347093 AK016860 NM_011936
477	1448207_at	0 001508	452.27	776.03 Laspl BC010840 NM_010S88
478	1453367_a_at	0.001516	3561.07	4335.77 6330583MllRik BB178770 NM 024465
479	1433462_a_at	0.001522	243	400.7 Pi4k2a BB208212 NM_145501
480	1418508_a_at	0.001526	911.6	1739.47 Grb2 BGO 64712 NM_008163
481	1448787_at	0 001536	2109.53	2668 Moapl BC014715 NM_022323
482	1420837_at	0.001537	227.37	330.9 Ntrk2 AK018789 NM_001025074 /// NM_008745
483	1417632_at	0.00154	3850.8	5857.97 Atp6v0al U13836 NM_016920
484	1435019_at	0.00154	3873.07	5218 Atxn7l3 BB532141 XM_126779
485	1435115_at	0.001544	680.37	852.73 Fndc5 AW556555 NM_027402
486	1437859_x_afc	0.00155	3525.27	4052.4 Eif5a BF384094 NM_181582
487	1421349_x_at	0.001554	3883.03	4773.77 1500001H12Rik NM_021316
-488	1415746_at	0 001559	1599.3	2495.47 Cic AF363690 NM_027882
489	1420920_a_at	0.001559	4824.63	6500.83 Arfl NM_007476 NM_007476
490	1422009_at	0 001562	2206.67	3399.93 Atplb2 NM_013415 NM_0 13415
491	1420575 at	0 001563	5922.6	8257.33 Mt3 NM_013603 NM_013603
492	1435525 at	0.001563	2566.37	3215.9 Kctdl7 BI408602 XM_110121
433	1451088_a_at	0.001572	681.8	975.57 Oxall BC027191 NM_026936
494	1422735_at	0.001576	140.27	214.7 Foxql NM_008239 NM_008239
495	1415816_at	0.001588	4778.5	5790 Cct7 NM 007638 NM_007638
496	1452742 at	0 001604	894.23	1170.73 2310001H13Rik BB010301 HM_175114
497	AFFX-TransRecMur/X57349	3 a	0.001606	327.73 Eif5a 628.1 Tfre AFFX-TransRecMur/X57349 NM 011638
498	1451431_a_at	0.001609	1999	2613.87 D2Bwg0891e BC019947 NM_026797
499	1460650_at	0.00161	1592	2496 Atp 6v0al U13836 NM_016920
500	1435558_at	0.00161	4020.73	5671.93 Bai2 BB351248 NM_173071
501	1417716_at	0.001615	2252.4	3595.9 Got2 U82470 NM_010325
502	1421324_a_at	0.001616	386 .53	775.27 Akt2 NM_007434 NM_007434
503	1447229_X_at	0.001617	225 .87	405.7 Pacsi n3 BM248411 NMJD28733 /// NM_03 0880
504	1454012_a_at	0.001633	360	562.27 Parp6 AK021076 XM_134863
505	1420506_a_at	0.001637	2277.33	3941.93 Stxbpl AF326545 NM_009295
506	1429708_at	0 001642	4495.73	5952.37 Ndufall AA596846 XM_128696
507	1439148_a_at	0.001648	3118.93	4101.37 Pfkl BE914497 NM 008826
508	1428354_at	0 001659	751.63	1196.93 Foxk2 BM2 06907 XM_126489
509	1440347_at	0 00166	63.63 141 .57	Arhgapl0 BG074665 NM_03 0113
510	1426729_at	0.001677	2476 .3	3982 .17 2900046G09Rik BC003957 NM_133778
511	1428874 at	0.001686	1458	184 7.47 1110015N10Rik BF535957 NM 026753

Table 8

512	1417780_at	0.001689	336.33	454.73	Lass4	BB006809	NM_026058
513	1448384_at	0.00169	233.37	330.03	Pofut2	BC018194	NM_030262
514	1417224_a_at	0.001694	139.63	209.1	Cd2bp2	NM_027353	NM_027353
515	1418695_a_at	0.001695	2814.1	3166.27	Kcmf1	BG071725	NM_019715
516	1439892_at	0.001697	2150.13	3135.37	Brsk1	BQ174737	NM_001003920
517	1425605_a_at	0.001698	497.83	719.23	Lrabl	AF190665	NM_020295
518	1425621_at	0.0017	530.43	860.73	Trim35	AB060155	NM_029979
519	1450845_a_at	0.001702	1867.43	2746.6	Bzw1	AV144956	NM_025824
520	1420610_at	0.001707	1905.63	3171.6	Prkacb	AV024339	NM_011100
521	1422156_a_at	0.001709	17191.53	25112.13	Rps2	NM_008503	NM_008503 /// XM_484395 /// XM_486158 /// XM_618996 /// XM_620258 /// XM_620794 /// XM_621000 ///
522	1423252_at	0.001709	1568.9	1754.77	Hdgfrp3	BB291880	NM_013886
523	1424646_at	0.00171	451.47	634.13	Uckl1	BC016535	NM_026765
524	1416568_a_at	0.001713	527.77	698.27	Acin1	AW228855	NM_019567 /// NM_023190
525	1438670_at	0.001713	569.57	730.77	Ptpn1	BB509334	NM_011201
526	1416256_a_at	0.001716	6789.77	13883.23	Tubb5	NM_011655	NM_011655
527	1416028_a_at	0.00172	1504.1	1914.37	Hn1	NM_008258	NM_008258
528	1438330_at	0.001728	87.7	148.53	BC065397	AI551235	XM_488379
529	1419077_at	0.001731	1068.93	1460.77	Mpp3	NM_007863	NM_007863
530	1428465_at	0.001732	2582.8	3415.77	5033425B17Rik	AK010168	NM_027215
531	1433445_x_at	0.001732	6163.17	8480.87	Hmgcs1	BB705380	XM_145942
532	1450378_at	0.001739	170.63	280.1	Tapbp	AF043943	NM_001025313 /// NM_009318
533	1448828_at	0.001743	799.97	991.73	Smc6l1	AV281575	NM_025695
534	1423101_at	0.001746	857.73	1133.63	Paqr4	BB279185	NM_023824
535	1433729_x_at	0.001755	792.13	1025.8	Pmpcb	AV047320	XM_131914
536	1423334_at	0.001757	497.9	918.03	1200007D18Rik	AK003239	NM_026170
537	1435852_at	0.001761	249.17	370.2	Spred3	BB459220	NM_182927
538	1422537_a_at	0.001767	2294.83	2860.33	Id2	NM_010496	NM_010496
539	1415753_at	0.001769	4813.4	6334	D10Bwg1364e	BC005632	NM_145421
540	1449961_at	0.001772	1110.57	1748	Rph3a	NM_011286	NM_011286
541	1416504_at	0.001773	222.27	391.1	Ulk1	AF072370	NM_009469
542	1455175_at	0.001778	278.53	386.77	Phf13	AV277084	NM_172705
543	1442148_at	0.001789	1207.9	1397.1	Psip1	BB074968	NM_133948
544	1416331_a_at	0.001791	2118.8	3379.5	Nfe2l1	NM_008686	NM_008686
545	1417462_at	0.001804	2720.67	3616.27	Cap1	NM_007598	NM_007598
546	1424355_a_at	0.001811	1139.77	1501.13	Sin3b	AF038848	NM_009188
547	1441298_at	0.001813	489.1	585.3	Spnb3	BB729922	NM_021287
548	1423586_at	0.001814	573.2	730.27	Axl	AA500897	NM_009465
549	1433712_at	0.001832	3613.43	4217.53	---	AV032365	

Table 8

550	1424078_s_at	0.001834	982.93	1156.1	Pex6	BC003424	NM_145488
551	1423078_a_at	0.001835	1724	2449.8	Sc4mol	AK005441	NM_025436
552	1453414_at	0.001837	107.5	156.23	Ypel2	BB133023	NM_001005341
553	1418647_at	0.001843	1784.47	2043.53	Gna-rs1	BF577955	NM_008136
554	1448277_at	0.001843	414.37	591.2	Pold2	NM_008894	NM_008894
555	1417271_a_at	0.001846	380.77	611.67	Eng	NM_007932	NM_007932
556	1424935_at	0.001854	908.63	1086.7	Gdap1l1	BC019941	NM_144891
557	1422966_a_at	0.001859	545.93	1031.73	Tfrc	BB810450	NM_011638
558	1434946_at	0.001859	1351.27	1612.63	C330021A05Rik	BB303415	NM_153082
559	1421815_at	0.001862	1160.3	1377.17	Epdr2	AF353717	NM_134065
560	1419022_a_at	0.001874	12747.1	18328	Eno1	NM_023119	NM_001025388 /// NM_023119 /// XM_619962
561	1430307_a_at	0.001877	1360.57	1648.8	Mod1	AK006387	NM_008615
562	1455499_at	0.001903	308.37	561.57	Nrxn2	BE949064	NM_020253
563	1431932_s_at	0.001904	328.23	396.07	Trim44	AK015519	NM_020267
564	1425553_s_at	0.00191	1031.73	1301.53	Hip1r	AA590970	NM_145070
565	1439954_at	0.00192	161.17	412.13	6430514M23Rik	AI849139	---
566	1426590_at	0.00193	228.9	311.93	Gfm2	BB497484	NM_177266
567	1426763_at	0.001937	3967.23	4546.73	Oaz2	AW214584	NM_010952
568	1434902_at	0.001938	736.03	1051.23	Rnf157	BB163668	XM_126776
569	1423169_at	0.00194	119	181.7	Taf7	AV213552	NM_011901 /// NM_175770
570	1421789_s_at	0.001941	1481.2	2051.23	Arf3	NM_007478	NM_007478
571	1415907_at	0.001944	451.83	618.27	Ccnd3	NM_007632	NM_007632
572	1422513_at	0.001944	124.43	237.47	Ccnf	NM_007634	NM_007634
573	1426554_a_at	0.001947	7737.3	9723.03	Pgam1	BI407347	NM_023418
574	1456603_at	0.001951	251.67	341.33	1500005K14Rik	BG070087	---
575	1424661_at	0.001955	744.13	1018.93	Pmpca	AK004549	NM_173180
576	1423365_at	0.001959	467.8	716.1	Cacna1g	AW494038	NM_009783
577	1415831_at	0.00196	4680.2	5718.97	Psmd2	NM_134101	NM_134101
578	1438546_x_at	0.001974	1455	2147.4	Slc25a5	C81442	NM_007451 /// XM_484885 /// XM_485652 /// XM_619211 /// XM_619637
579	1447711_x_at	0.001978	149.97	260.57	4933412E12Rik	BB265147	---
580	1427529_at	0.001979	165.53	237.27	Fzd9	Y17709	XM_284144
581	1415965_at	0.001981	139.5	346	Scd1	NM_009127	NM_009127
582	1422465_a_at	0.001984	241.1	310.63	Nxn	BB366804	NM_008750
583	1423294_at	0.001988	648.77	1151.5	Mest	AW555393	NM_008590
584	1435411_at	0.001993	1436.43	1686.23	Neurod2	BE950834	NM_010895
585	1451256_at	0.001999	337.4	535.07	Gpr172b	BC016264	NM_029643
586	1459729_at	0.002011	142.33	394.27	Slc13a5	BE979238	NM_001004148
587	1421097_at	0.002012	488.07	697.73	Endog	NM_007931	NM_007931
588	1423737_at	0.002014	5719.6	6469.57	Ndufs3	BC027270	NM_026688

Table 8

589	1448656_at	0.002015			
590	1435003_at	0.002019	4598.1		
591	1417670_at	0.002022	493.4	652.9	Timm44
592	1432430_a_at	0.002029	186.5	306.53	
593	1449319_at	0.002031			
594	1426517_at	0.002043	2307.5		
595	1440282_at	0.002052	39.1	88.73	Tulp4
596	1419666_x_at	0.002054	307.13		
597	1450708_at	0.			
598	1452308_a_at	0.0(			
599	1430026_at	0.			
600	1430274_a_at	0.002089	108		
601	1424013_at	0.002103	171		
602	1451981_at	0.002104	1142.77	175	
603	1417943_at	0.002106	256.7	353.	
604	1428383_a_at	0.0(			
605	1445151_at	0.002107	135		
606	1419224_at	0.002108	929.		
607	1428788_at	0.002115	1723.87	196	
608	1452170_at	0.002116	567.2	826.	
609	1420834_at	0.002118	10001.5	1217	
610	1419191_at	0.002124		443.53	
611	1423125_at	0.002127	2422.13	3501	
612	1459980_x_at	0.002129	4331.33	6659	
613	1422073_a_at	0.002135			
614	1449018_at	0.00214	2781.3	319	
615	1452372_at	0.002152	444		
616	1415957_a_at	0.002173	265		
617	1449448_at	0.002174			
618	1422993_s_at	0.002177	477		
619	1428850_x_at	0.0(			
620	1426066_a_at	0.002207	867.		
621	1419451_at	0.002213	876.		
622	1455506_at	0.002215	127.		
623	1416766_at	0.002228	2010.27		
624	1450859_s_at	0.002232	3403.43		
625	1442557_				
626	1436571_at	0.002236	625.07	694	
627	1452307_at	0.002237			
628	1438408_at	0.002238	827		

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Table 8

629	1451158_at	0.002239	173.9	291.83	Trip12	BG923744	NM_133975
630	1430552_a_at	0.002245	692.17	1082.97	Sbf1	AK020972	XM_358316
631	1435722_at	0.002251	1758.87	2125.6	Gria4	BB130399	NM_019691
632	1439741_x_at	0.002251	109.97	200.83	AI481316	AU018180	---
633	1416701_at	0.002252	342.9	661.17	Rnd3	BC009002	NM_028810
634	1424982_a_at	0.002256	250.2	300.53	2700C78E11Rik	BB137173	NM_030197
635	1427307_a_at	0.002269	424.67	512.3	Dab1	BB644109	NM_010014 /// NM_177259
636	1416758_at	0.002274	172.13	389.83	Arhgap27	NM_133715	XM_618932 /// XM_618933
637	1425933_a_at	0.002274	654.1	845.47	Nt5c2	BC006028	NM_029810
638	1451872_a_at	0.002282	309.57	465.4	Neurl	AF400063	NM_021360
639	1438905_x_at	0.002284	335.2	568.07	C030046I01Rik	BB765277	NM_177994
640	1423845_at	0.002288	677.73	955.4	Csdc2	BC016109	NM_145473
641	1420839_at	0.002293	429.73	571.47	Plekha3	BB780848	NM_031256
642	1417015_at	0.002301	115.53	244.47	Rassf3	BB703307	NM_138956
643	1420403_at	0.002302	3952.13	- 7391.03	Atp2b2	NM_009723	NM_009723
644	1432543_a_at	0.002302	759.87	938.33	Klf13	AK002926	NM_021366
645	1419188_s_at	0.002313	4316.43	5179.5	Ccl27	NM_011336	NM_011336
646	1415988_at	0.002314	203.5	390.67	Hdlbp	BG065877	NM_133808
647	1421093_at	0.002318	483.47	654.13	Slc7a10	NM_017394	NM_017394
648	1423588_at	0.00232	2283.77	2563.63	Arpc4	BG145444	NM_026552
649	1426081_a_at	0.00232	1011.1	1469.8	Dio2	AF177197	NM_010050
650	1426648_at	0.002322	416.13	646.63	Mapkapk2	BG918951	NM_008551
651	1448218_s_at	0.002323	5984.93	8544.77	Ywhaz	AV027921	NM_011740
652	1439859_at	0.002327	384.13	573.6	9630033F20Rik	BB278948	NM_177003
653	1433703_s_at	0.002331	700.13	954.9	Bahd1	BM115038	XM_130491
654	1452245_at	0.002333	128.63	205.3	G630039L02	BB627486	XM_618988
655	1454995_at	0.002334	1489.97	2024.67	Ddah1	AW556888	NM_026993
656	1426383_at	0.002341	1590.67	2065	Cry2	BF303057	NM_009963
657	1448110_at	0.002354	433.37	762.17	Sema4a	NM_013658	NM_013658
658	1450062_a_at	0.002356	5910.53	6888.17	Maged1	NM_019791	NM_019791
659	1447062_at	0.002356	187.6	262.3	Vps24	BG073566	NM_025783
660	1450247_a_at	0.00236	1168.57	2164.93	Scamp5	NM_020270	NM_020270
661	1425608_at	0.002361	199.6	258.03	Dusp3	BC016269	NM_028207
662	1421042_at	0.002367	834.4	1464.37	Arhgef2	NM_008487	NM_008487
663	1435548_at	0.002371	200.53	314.73	Mrs2l	BB015377	NM_001013389
664	1426023_a_at	0.00238	351.3	486.7	Rabep1	AF248489	NM_019400
665	1424100_s_at	0.002385	2649.7	3687.53	1500001H12Rik	BC023032	NM_021316
666	1425106_a_at	0.002388	402.07	552.07	Wars	BC003450	NM_011710
667	1422576_at	0.00239	5787.13	6469.03	Sca10	NM_016843	NM_016843

Table 8

668	1420140_at	0.002402	154.8	320.13	Bcdin3	AA407595	NM_144913
669	1423927_at	0.002407	373.07	542.13	Slc35b2	BC025875	XM_128634
670	1426975_at	0.002407	512.63	728.67	4632413K17Rik	BG067859	NM_177614
671	1450623_at	0.002417	5815.3	8698.9	Gnb2	NM_010312	NM_010312
672	1433446_at	0.002427	1740.93	2728.9	Hmgcs1	BB705380	NM_145942
673	1460411_s_at	0.002427	247.03	390	AW548124	BC022157	NM_134117
674	1417986_at	0.00243	300.23	533.5	Nrarp	BI696369	NM_025980
675	1451168_a_at	0.002435	4478.6	6218.8	Arhgdia	BC004732	NM_133796
676	1460042_at	0.002435	40.23	194.57	Slc23a3	AV293965	NM_194333
677	1419190_at	0.002436	348.47	563.03	Vti1a	BC019386	NM_016862
678	1425784_a_at	0.002436	10461.9	13549.33	Olfm1	D78264	NM_019498
679	1440274_at	0.002438	213	327.13	Rapgef4	BE948992	NM_019688
680	1451592_at	0.002439	816.37	1152.33	MGI:2446472	AF364868	NM_145579
681	1450202_at	0.002441	1234.07	2031.03	Grin1	NM_008169	NM_008169
682	1416590_a_at	0.00245	348.27	451	Rab34	AF327929	NM_033475
683	1455963_at	0.002453	621.4	789.2	6332401O19Rik	AV317707	NM_177013
684	1435638_at	0.002457	2691.43	4024.47	Gsk3a	BG808297	NM_001031667
685	1439647_at	0.002463	448.83	614.9	LOC433698 LOC545611	AV257990	XM_465371 /// XM_620023
686	1428070_at	0.002464	640.17	776.8	Syvn1	AK004688	NM_028769
687	1423892_at	0.002487	4530.7	5759.97	Apbb1	AF206720	NM_009685
688	1421622_a_at	0.002501	1785.07	2616.03	Rapgef4	NM_019688	NM_019688
689	1426327_s_at	0.002513	412.73	476.87	Cntf Zfp91	U05343	NM_053007 /// NM_170786
690	1453097_a_at	0.002516	1468.4	2062.97	Ubtf	AK004961	NM_011551
691	1420876_a_at	0.002522	637.6	825.67	6-Sep	NM_019942	NM_019942
692	1424116_x_at	0.002522	2259.67	2786.23	Ppp5c	BC003744	NM_011155
693	1433821_at	0.002522	342.4	469.6	1110012D08Rik	BB489180	NM_178066
694	1456813_at	0.002529	384.9	557.13	---	AI854058	---
695	1429568_x_at	0.002537	778.07	939.83	2510010F15Rik	AK007937	NM_026454
696	1418444_a_at	0.00254	5969.83	8045.23	MGI:1891827	BC003902	NM_019580
697	1449054_a_at	0.002542	1521.13	1965.4	Pcbp4	NM_021567	NM_021567
698	1447625_at	0.002542	645.8	3448	E2f5	BB286270	NM_007892
699	1448298_at	0.002552	752.7	1183.6	Tnk2	NM_016788	NM_016788
700	1436077_a_at	0.002557	626.77	930.63	Fcho1	BF730694	NM_028715
701	1451748_a_at	0.002561	2373.63	2837.23	D12Ertd771e	BC019973	NM_028262
702	1450846_at	0.002565	1370.6	2077.1	Bzw1	AV144956	NM_025824
703	1431415_a_at	0.002566	751.17	1063.93	Tbpl1	AK005604	NM_011603
704	1417954_at	0.002568	4231.53	7032.43	Sst	NM_009215	NM_009215
705	1423239_at	0.002579	757.77	1144.7	Impdh1	BB351792	NM_011829
706	1450451_at	0.002579	348.3	818.73	Spock2	NM_052994	NM_052994
707	1420388_at	0.002585	494.6	674.9	Prss12	NM_008939	NM_008939

Table 8

708	1421768_a_at	0.002588	739.37	1243.73	Homer1	NM_011982	NM_011982 /// NM_147176 /// NM_152134
709	1436393_a_at	0.00259	2515	3205.37	Trim37	BG065227	NM_197987
710	1455750_at	0.002591	262.67	369.13	Cenpb	BC006628	NM_007682
711	1451248_at	0.002601	824.9	1106.23	BC006705	BC006705	NM_145404
712	1416250_at	0.002606	588.77	808.23	Btg2	NM_007570	NM_007570
713	1450187_a_at	0.00261	1653	2123.07	Pitpna	AA239637	NM_008850
714	1416013_at	0.002617	7423.63	11883.13	Pld3	NM_011116	NM_011116
715	1444513_at	0.002617	363.27	602.57	Cnksr2	AI854548	NM_177751
716	1418784_at	0.00262	2074.8	2728.1	Grik5	NM_008168	NM_008168
717	1434156_at	0.002627	3564.7	4123.33	Rab11fip4	BB046187	NM_175543
718	1448851_a_at	0.002629	1349	1666.23	Dnajc5	AK012029	NM_016775
719	1435598_at	0.002632	820.23	1238	Shc2	BE996371	NM_145367
720	1436703_x_at	0.002635	1794.8	2970.6	Snapc2	BB461550	NM_133968
721	1456338_at	0.002636	455.27	546.23	9130023D20Rik	AV377091	NM_207242
722	1423881_at	0.002638	867.77	1315.93	Saps3	BC008529	NM_029456
723	1450727_a_at	0.002639	1145.63	1497.3	Poldip2	NM_026389	NM_026389
724	1456767_at	0.002639	538.87	731.83	Lrfn3	AV062156	NM_175478
725	1452057_at	0.002647	2197.07	2843.67	Actr1b	BG801851	NM_146107
726	1419344_at	0.002654	347.17	641.97	Tcte1	NM_013688	NM_013688
727	1431257_at	0.002655	45.47	101.23	6230409E13Rik	BQ180307	NM_175234
728	1426522_at	0.002678	1876.67	2242.1	Hadhb	BG866501	NM_145558
729	1417303_at	0.002693	243.4	500.23	Mvd	NM_138656	NM_138656
730	1448413_at	0.002693	591.5	734.93	2410016O06Rik	NM_023633	NM_023633
731	1424151_at	0.002699	1227.3	1590.07	MGI:2385237	BC026972	NM_146165
732	1433915_s_at	0.002706	1040.17	1355.37	Epn2	BG794880	NM_010148
733	1438514_at	0.002706	1113.7	1213.67	Npc1l1	BE647302	NM_178746
734	1454770_at	0.002708	1351.67	2069.47	Cckbr	AV221910	NM_007627
735	1417119_at	0.002709	261.6	359.73	Zfpl1	NM_024231	NM_024231
736	1423746_at	0.002714	922	1176.13	Txndc5	BC016252	XM_125779
737	1417481_at	0.002715	3703.33	4601.47	Ramp1	NM_016894	NM_016894
738	1451753_at	0.002718	668.07	991.7	Plxna2	D86949	NM_008882
739	1435651_a_at	0.002719	221.7	418.7	Smarcad1	BM055692	NM_007958
740	1424222_s_at	0.00272	1392.97	2073.5	Rad23b	BC006751	NM_009011
741	1435549_at	0.002721	181.17	249.87	Trpm4	BI685685	NM_175130
742	1423283_at	0.002724	3752.97	4560.8	Galt	NM_016658	NM_016658
743	1448237_x_at	0.00273	7516.73	11216.27	Ldh2	NM_008492	NM_008492
744	1421992_a_at	0.002744	645.43	1054.8	Igfbp4	NM_010517	NM_010517
745	1426051_a_at	0.002748	1056.53	1418	Cenph	BE852799	XM_355347
746	1426450_at	0.002748	1676.03	2290.27	Plcl2	BM207017	NM_013880

Table 8

747	1418452_at	0.002752	752.83	964.8	Gng2	BB522409	NM_010315
748	1450728_at	0.002754	739.97	1031.5	Fjxl	AV230815	NMJ310218
749	1422168_a_at	0.002756	325.93	926.27	Bdnf	AY057913	NM_007540
750	1441910_x_at	0.002762	349.6	668.5	Ccnel	BB293079	NM_007633
751	1441312_at	0.002775	383.33	557.6		BE957323	
752	1421176_at	0.002784	912.8	1580.03	Rasgrpl	BB354696	NM_011246
753	1422593_at	0.00279	4407.7	5213.03	Ap3sl	NM_009681	NM_009681
754	1451280_at	0.002796	4976.9	6116.97	MGI-.107562	BB159263	NM_028755 /// NM_033264
755	1418137_at	0.002798	1905.77	2373.93	Mrp63	NM_026401	NMJD26401
756	1425777_at	0.002798	606.2	855.97	Cacnbl	AY094173	NM 031173 /// NM 145121
757	1448312_at	0.002798	6475.17	7870.2	Pcsk2	NMJ308792	NM_008792
758	1426761_at	0.002802	858.97	1047.8	Aof2	AK007763	NM_133872
759	1452216_at	0.002809	268.8	409.9	BC025519	BB494388	NM_001030014
760	1418274_at	0.002814	1278.57	1490.13	Nutf2	AA920031	NM_026532
761	1437536_at	0.002816	862.83	1284.07	Fkrp	BM951276	NM_173430
762	1448596_at	0.002817	767.17	1095.7	Slc6a8	BG069516	NM_133987
763	1451344_at	0.002819	471.03	659.53	BC025600	BC025600	NM_146162
764	1416466_at	0.002831	8090.97	8588.87	Vapa	BB037317	NM_013933
765	1448978_at	0.002831	5247.8	6833.5	Ngef	NM_019867	NM_019867
766	1452684_at	0.002834	369.37	674.17	Aktlsl	BM068933	NM_026270
767	1460724_at	0.002839	1381.97	2125.53	Ap2al	NM_007458	NM_007458
768	1450114_at	0.002842	197.6	380.47	Ksr	NM_013571	NM_013571
769	1459019_at	0.002847	1328.6	2023.1	Sprn	BB284188	NM_183147
770	1418532_at	0.002848	208.17	388.4	Fzd2	BB371406	NM 020510
771	1427385_s_at	0.002851	274.7	596	Actnl	BC003232	NM 134156
772	1416562_at	0.002852	2786.23	3569.03	Gadl	AP326547	NM_008077
773	1429228_at	0.002852	239.13	306.17	4930534B04Rik	BE980134	NM.181815
774	1436387_at	0.002858	2269.53	6342.33	C330006P03Rik	BB398124	
775	1434950_a_at	0.002859	1490.07	1919.97	Armc8	BE995635	NM 028768
776	1445004_a_at	0.002865	76.03	159.33	A330068P14Rik	AW822930	NM.001024927
777	1428381_a_at	0.002883	1989.17	2291.6	2700038C09Rik	BG868450	NM 025598
778	1421925_at	0.0029	165.57	306.27	Mapkll	AV329330	NM_011161
779	1455289_at	0.002902	873.8	1162.6	Ankrdl3b	BQ174304	NM_172945
780	1429555_at	0.002916	1222.67	1752.77	1110019C08Rik	AA408371	NM.171826
781	1426167_a_at	0.002921	558.47	645.3	Camk4	M64266	NM_009793
782	1436380_at	0.002922	553.17	890.93	Cdc42bpa	BG518726	XM_619711
783	1432569_at	0.002927	49.73	107.13	1700121K02Rik	BF152799	XM_484016
784	1424051_at	0.002933	475.8	659.1	Col4a2	BC013560	NM_009932
785	1427100_at	0.002934	578.57	1189.77	Metrn	BE947704	NM.133719
786	1440676_at	0.002934	79.47	116.03	A830043J08Rik	BB269760	NM 173425

Table 8

787	1451285_at	0.002939	1861.4	2961	Fus	AF224264	NM_139149
788	1432181_s_at	0.002943	358.5	567.77	Ecgf1	AK013765	NM_138302
789	1417933_at	0.00295	1315.83	2089.07	Igfbp6	NM_008344	NM_008344
790	1421339_at	0.002954	334.07	643.4	Extl3	NM_018788	NM_018788
791	1460239_at	0.002956	5026.9	5806.67	Tspan13	BB807707	NM_025359
792	1438017_at	0.002963	1159.63	1605.33	Ruscl	AV327629	NM_028188
793	1423972_at	0.002969	1072.2	1229.7	Etfa	BC003432	NM_145615
794	1436137_at	0.002976	4611.23	5915.2	Slc6a17	AV340147	NM_172271
795	1424332_at	0.002984	318.83	534.27	Rab40c	AF422144	NM_139154
796	1451693_a_at	0.002987	2185.17	2616.53	Fgf12	AF020738	NM_010199 /// NM_183064
797	1451207_at	0.003012	1072	1585.73	Cbara1	BC023022	NM_144822
798	1432211_a_at	0.003013	351.27	520.07	Fbxo9	AK018482	NM_023605
799	1428842_a_at	0.003016	4538.83	6958.8	Kgfrap1	BI407690	NM_009750
800	1423299_at	0.003017	1459.17	1650.33	Txnl1	BI416051	NM_016792
801	AFFX-MUR_b2_at	0.003018	867.47	1064.03		AFFX-MUR_b2	
802	1435268_at	0.003021	1010.6	1161.03		BB274357	
803	1433619_at	0.003022	256.47	399.2	AI894139	BB211528	NM_178898
804	1437107_at	0.003024	1623.5	2102.6	Rab6b	AV220161	NM_173781
805	1416183_a_at	0.003033	7815.4	12385.27	Ldh2	NM_008492	NM_008492
806	1438788_at	0.003033	345.07	495.57	D5Wsu152e	BG063186	
807	1421388_at	0.003034	319.57	567.97	Mef2d	NM_133665	NM_133665
808	1428155_at	0.003042	662.37	929.77	Comrad9	AK007640	NM_029635
809	1460424_at	0.003044	1841.13	2702.3	1810008021Rik	BI411309	NM_026938
810	1423231_at	0.003049	11396.67	19322.3	Nrgn	AK002933	NM_022029
811	1422331_at	0.003058	152.5	288.33	Pou3f3	NM 008900	NM 008900
812	1433714_at	003063	4300.47	6019.03	Sult4a1	AV338618	NM_013873
813	1434181_at	003065	938.87	1297.03	Plekhc1	BG070082	NM_146054
814	1417567_at	003074	715.2	1211.97	Ctnnbip1	BF457754	NM_023465
815	1448362_at	003074	1599.83	2497.63	Dnajc7	NM_019795	NM_019795
816	1453634_a_at	0.003083	771.83	1063.77	Erp29	AK013303	NM_026129
817	1452653_at	0.003084	2397.5	3530.37	Slc25a22	AK018760	NM~026646
818	1417533_a_at	0.003088	495.33	650.13	Itgb5	NM_010580	NM 010580
819	1457318_at	0.003091	255.83	345.37	A330008L17Rik	AA219807	NM_175479
820	1450838_x_at	0.003093	302.07	465.97	Rpl37	LOC383438 AV110626	NM_026069 /// XM_357054
821	1426889_at	0.0031	438.43	649.37	4930566A11Rik	BG070377	NM 029468
822	1452269_at	0.003101	7181.97	9905.13	Spnb3	AF026489	NM_021287
823	1420070_a_at	0.003106	78.67	151.03	Gra696	AW061092	XM~204297
824	1422763_at	0.003107	864.23	1181.13	Gipc1	NM_018771	NM_018771
825	1454023_a_at	0.003107	507.47	775.13	D1Bwg1363e	AK006466	NM 001001565 /// NM 001001566

Table 8

826	1422302_s_at	0.003115	3309.27	4016.57	Ftl1 Ftl2	[illegible]	NM_008049 /// NM_008049 /// NM_010240 /// XM_619122 /// XM_620101
827	1433460_at	0.003118	5259.53	6196.57	Ttc7b	BB329157	XM_127105
828	1420530_at	0.003131	887.67	1077.5	Neud4	AW553317	NM_013874
829	1428142_at	0.003133	1934.7	2443	Etv5	AK003461	NM_023794
830	1418937_at	0.003136	2264.93	3218.93	Dio2	AF177196	NM_010050
831	1427782_a_at	0.003136	338.5	507.47	Crhr1	AF369656	NM_007762
832	1437966_at	0.003148	641.37	[illegible]	B230206N24Rik	AV329802	NM_172487
833	1452812_at	0.003154	2331.43	4876.47	Lphn1	AA987131	NM_181039
834	1418927_a_at	0.003156	2004.63	2475.4	Habp4	NM_019986	NM_019986
835	1447937_a_at	0.003159	384.83	483.33	4933409K07Rik	BB379724	NM_178649 /// XM_620015 /// XM_620016 /// XM_620017 /// XM_620018
836	1428485_at	0.003161	111.47	227.07	Car12	AK009873	NM_178396
837	1420845_at	0.003165	366.1	547.77	Mrps2	AV031454	NM_080452
838	1451820_at	0.003169	215.77	421.87	Dirasl	BQ042613	NM_145217
839	1429634_at	0.003171	631.3	971.3	Zfp580	AK005257	XM_133134
840	1420852_a_at	0.003176	256.57	395	B3gnt1	AV306734	NM_016888
841	1458772_at	0.003178	32	62.37	Lphn3	BB456450	NM_198702
842	1433886_at	0.003185	1031.27	1254.47	Eif2b5	AI327005	NM_172265
843	1421071_at	0.003193	423.8	764.73	Vhlh	NM_009507	NM_009507
844	1421847_at	0.003196	6006	7130.97	Wsb2	BM730566	NM_021539
845	1451045_at	0.003198	2114.77	2850.97	Syt13	BE648447	NM_030725
846	1452441_at	0.003199	110.87	214.37	Phf3	AW910425	XM_129836
847	1455202_at	0.003204	798.2	1037.67	Gm50	BQ176021	NM_001007573
848	1450023_at	0.00321	757.63	927.8	Gtpbp1	AK004612	NM_013818
849	1422268_a_at	0.003211	232.03	316.17	Rps6kb2	[illegible]	NM_021485
850	1427057_at	0.003216	1727.17	2462.83	C630002B14Rik	BC020154	NM_175331 /// XM_620019 /// XM_620024 /// XM_620028
851	1426263_at	0.00323	4865.37	6316	Igsf4c	AY059394	NM_153112
852	1455363_at	0.003245	1604.6	2388.77	Bail	BG261923	NM_174991
853	1425068_a_at	0.003246	1483.97	1969.83	Tex264	BC002248	NM_011573
854	1416400_at	0.003249	287.63	403.23	Pycr1	NM_025412	NM_025412
855	1417311_at	0.003255	2945.3	4179.23	Crip2	NM_024223	NM_024223
856	1422705_at	0.003273	308.5	582.8	Tmepai	AV370981	NM_022995
857	1421063_s_at	0.003276	15903.57	20599.9	Snrpn	Snurf	NM_033174 /// NM_013670 /// NM_033174
858	1451092_a_at	0.003279	1317.07	2084.67	Rangap1	AV258722	NM_011241
859	1417002_at	0.00328	2844.4	3475.2	0610012G03Rik	BC021536	NM_025320
860	1428292_at	0.003296	99.03	163.47	Ndor1	AK019617	NM_178239
861	1448242_at	0.003299	848.53	1330.2	Sec61a1	BC003707	NM_016906
862	1426579_at	0.003307	626.5	1038.93	Gnl2	BM199850	NM_145552

Table 8

863	1441959_s_at	[illegible]	[illegible]	[illegible]	[illegible]
864	1416960_at	0.003314	1367	[illegible]	[illegible]
865	1460700_at	0.003314	510.37	666.	[illegible]
866	1416685_s_at	0.003322	1341.	[illegible]	[illegible]
867	1460652 at	0.003322	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
869	1435687_at	0.003332	[illegible]	[illegible]	[illegible]
870	1460206_at	0.003333	488.	[illegible]	[illegible]
871	1450408_at	0.003346	366.97	[illegible]	[illegible]
872	1424239_at	0.003356	817.3	950.	[illegible]
873	1448280_at	0.003357	12786.47	[illegible]	[illegible]
874	1415694_at	0.003359	1154.93	[illegible]	[illegible]
875	1451829_a_at	0.003361	88.2	[illegible]	[illegible]
876	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
877	1424225_at	0.003375	[illegible]	[illegible]	[illegible]
878	1417690_at	0.003384	[illegible]	[illegible]	[illegible]
879	1441331_at	0.003391	652.67	[illegible]	[illegible]
880	1440159_at	0.003394	33.5	[illegible]	[illegible]
881	1418335_a_at	0.003409	[illegible]	[illegible]	[illegible]
882	1418711_at	0.003414	278.6	461.	[illegible]
883	1448751_at	0.003414	1237.9	1632.3	[illegible]
884	14 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
885	1436468_at	0.003432	1383.6	2139.73	[illegible]
886	1415823_at	0.003435	5453.73	8010.	[illegible]
887	1435229_at	0.003439	1426	[illegible]	[illegible]
888	1424365_at	0.003444	3319.7	[illegible]	[illegible]
889	1421415_s_at	0.003453	164.	[illegible]	[illegible]
890	1416750_at	0.003463	633.17	[illegible]	[illegible]
891	1425781_a_at	0.003463	537.	[illegible]	[illegible]
892	1450945_at	0.00347	376.43	[illegible]	[illegible]
893	1451395_at	0.003478	995.	[illegible]	[illegible]
894	1450212_at	0.003482	360.03	[illegible]	[illegible]
895	1422169_a_at	0.003483	291.	[illegible]	[illegible]
896	1451181_at	0.003492	180.77	[illegible]	[illegible]
897	1420933_a_at	0.003497	253.7	366.9	[illegible] 0071 /// NM_211356 /// NM_211357
898	1450863 a at	0.003512	8700.2	1118	[illegible]
899	14 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
900	142851 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
901	1421281_at	0.003536	7763	[illegible]	[illegible]
902	1418744_s_at	[illegible]	[illegible]	[illegible]	[illegible]

Table 8

903	1423054_at	0.003546	1221.37	1634.1	Wdr1	AK004644	NM_011715
904	1424550_at	0.003546	366.43	539.87	Zfyve27	BB663137	NM_177319
905	1423427_at	0.00355	262.93	418.83	Mcyapl	AI323434	NM_009625
906	1428356_at	0.003556	527.8	705.37	Osbp2	AI326285	NM_152818
907	1434504_at	0.003558	773.67	1040.17	Zfyve28	BB132074	NM_001015039
908	1418795_at	0.003566	229.33	411.23	Cds2	BB487604	NMJL38651
909	1431752_a_at	0.003577	645.4	970.2	2900073H19Rik	AK012124	NM_026615
910	1429534_a_at	0.00358	1398.53	1895	Immt	BB222675	NM_029673
911	1448692_at	0.003585	947.93	1232.1	Ubqln4	BB764994	NM_033526
912	1457212_at	0.003591	420.97	655.5	Nrxn3	BB396605	NM_172544
913	1423453_at	0.003593	779.6	1004.83	C78541	BI408798	NMJL33800
914	1431072_a_at	0.0036	194.73	250.73	2610529H08Rik	BB865814	NM_001025615 /// NM_026202
915	1453556_x_at	0.0036	482.13	884.63	2410026K10Rik	AK002762	NM_025584
916	1454046_x_at	0.0036	1001.7	1280.33	4933424M23Rik	LOC260345	AK016901
917	1452399_at	0.003601	290.57	429.43	Rgs6	BB274058	NM_015812
918	1422102_a_at	0.003602	210.23	303.6	Stat5b	BC024319	NM_011489
919	1428195_at	0.003609	385.57	704.83	4631427C17Rik	BG072404	NM_021414
920	1421877_at	0.003612	1371.43	1699.63	Mapk9	BC024514	NM_016961 /// NM_207692
921	1452219_at	0.003616	680.6	1296.2	Tmem63b	AV032559	NM~198167
922	1416184_s_at	0.003625	823.23	1113.8	Hmgal	NM_016660	NM_001025427 /// NM_016660
923	1441325_at	0.003638	151.7	237.53	9430034D17Rik	BE952938	---
924	1451182_s_at	0.003639	288.57	410.93	C730048E16Rik	BC014743	NM_144849
925	1435867_at	0.003648	1007.2	1518.8	A630082K20Rik	BM244697	XM_145254
926	1460260_s_at	0.003649	1628.7	2012.03	Kpnal	U20619	NM_008465
927	1441993_at	0.003656	266.27	410.77	Ap3s2	BB762985	NM_009682
928	1449888_at	0.00366	220.7	486	Epasl	U81983	NM_010137
929	1451002_at	0.003668	7562.1	10472.33	Aco2	AA034553	NM_080633
930	1433485_x_at	0.003673	234.67	475.3	Gpr56	BF159976	NM_018882
931	1434417_at	0.003684	552.67	642.33	---	BB022975	---
932	1421580_at	0.003688	160.4	431.37	Cntnapl	NM_016782	NM_016782
933	1438122_at	0.003689	115.07	154.67	2900006K08Rik	AV278574	NM_028377
934	1437901_a_at	0.003708	2444.97	2875.97	Vps41	BM240052	NMJ.72120
935	1438565_at	0.003711	1297.23	1623.27	A830010M20Rik	BB464727	XM_620237
936	1431644_a_at	0.003724	713.27	950.17	Teal	AK005965	NM_010492
937	1417381_at	0.003732	1005.2	1109.6	Clqa	NM_007572	NM_007572
938	1443851_at	0.003735	141.6	288.73	8430415E04Rik	BE980275	NM_028980
939	1454803_a_at	0.003736	787.5	1544.53	Hdacll	BB183559	NM_144919
940	1423550_at	0.003745	718.13	993	Slcla4	BB277461	NM_018861
941	1428937_at	0.003748	5497.77	6371.1	Atp2bl	BI080417	NM_026482
942	1439029_at	0.003757	319.53	486.47	Gpt2	BG069993	NM_173866

Table 8

Table 8

943	1424386_at	0.003758
944	1453307_a_at	0.003758
945	1434270_at	0.003769
946	1426843_at	0.00377
947	1451096_at	0.003774
948	1415807_s_at	0.003776
949	1454712_at	0.003788
950	1451666_at	0.003808
951	1418136_at	0.00381
952	1418921_at	0.003813
953	1435683_a_at	0.003828
954	1423395_at	0.003833
955	1432184_a_at	0.003837
956	1460278_a_at	0.00384
957	1433888_at	0.003861
958	1430163_at	0.003872
959	1421053_at	[illegible]
960	1451540_at	0.003888
961	1459639_at	0.003893
962	1438001_x_at	0.003918
963	1451110_at	0.003948
964	[illegible]	[illegible]
965	1449063_at	0.003967
966	1433932_x_at	0.003986
967	1424031_at	0.003987
968	1437300_at	0.004012
969	1417524_at	0.004019
970	1455200_at	0.004021
971	1459832_s_at	0.004028
972	1448604_at	[illegible]
973	1460294_at	0.00404
974	1434653_at	0.004042
975	1437013_x_at	0.004047
976	1420844_at	0.00405
977	1450713_at	0.004052
978	1428345_at	0.00406
979	1458499_at	0.004065
980	1450627_at	0.004073
981	1451354_at	0.004089
982	1450228_a_at	0.004091

Table 8

983	1447883_5C_at	0.004102	11063	16057.2	Mapllc3a	BB299566	NM_025735
984	1451733_at	0 004103	32.37	91.17	Gcnt2	AB037596 NM_008105	NMJD23887 NM_133219
985	1434801_x_at	0.004111	6172.93	8523.53	Slc25a5	AV026569	NM_007451
986	1436515_at	0 .004119	382.87	491.1	E030004N02Rik	BB529913	[illegible]
987	1424760_a_at	0.004123	2085.1	2641.1	Srayd2	BC023119	NM_026796
988	1460034_at	0 .004127	533.37	1003.1	BC042901	BG06374S	NM_175021
989	1418593_at	0 .004128	460.83	550.63	Taf	NM_009315	NM_009315
990	1452066_a_at	0.004131	4493.77	5273.37	Ndfip2	BE200196	NM_029561
991	1420954_a_at	0.004134	1346.27	2152.6	Addl	BF140063	NM_001024458 NM_013457
992	1417294_at	0 ,004138	616.13	794	Akr7a5	NM_025337	NM_025337
993	1449055_X_at	0.004149	1182.77	1584.03	Pcbp4	NM_0215S7	NMJ321567
994	1421654_a_at	0.004157	460	73399..99	Lmmnaa	[illegible]	NM 019390
995	142814 l_at	0 .004176	681.73	860.57	Gga2	AK004632	NM_028758
996	1437591_a_at	0.004196	994.4	1544.8	Wdrl	AW542545	NM_011715
997	1426206_at	O .004205	120.43	182.4	Robo4	BC020129	NM 028783
998	1420533 a t	O .004214	699.57	988.2	Gucyla3	AK004815~	NM 021896
999	AFFX-b-ActinMur/M12481 M a t	004218	16625	25266.6	Actb	AFFX-b-ActinMur/M12481_	NM 007393
1000	14454 38_at	0 .004222	365 .97	548.17	Ddhdl	BB132393	NM 176845
1001	1426343_at	0 ,004225	541 .63	806.8	1300006C19Rik	AK018758	NM_024222
1002	1418177_at	O 004233	3125.97	3780.5	Gabrg2	AF233778	NM_008073
1003	1443279_at	0 .004234	69.33	112.83	Nik	BB204492	NM_008702 NM 177408
1004	1423418_at	0 ,004235	963.8	1374.47	Fdps	BI247584	NM_134469
1005	1424461_at	0 .004235	4600.13	5369.47	Dctn2	BC004613	NM_027151
1006	1423592_at	0 ,00424	1758.9	1968.53	Rock2	BB761686	NM_009072
1007	1416906_at	0 .004249	4273.67	5048.23	AnapcS	NM_021505	NM_021505
1008	1425490_a__at	0.004251	554. 8	835.57	Wdrl3	AK017549	NM_026137
1009	1423264_at	0 .004273	796.63	1032.33	Bopl	BM213936	NM_013481
1010	144443 9_at	0 .004276	120.8	145.8	Bri3bp	BB280096	NK 029752
1011	1448183_a_at	0.004281	327.5	450.9	Hifla	BB269715	NM_010431
1012	1442026_at	0 ,004282	374.97	614.33	[illegible]	AI467657	[illegible]
1013	1429416_at	0 .004292	3380.4	5217.63	Ttc9b	AK013779	M 355870
1014	1451229_at	0 .004298	2212.17	2603.47	Hdacll	BC016208	NM_144919
1015	1421313_s_at	0.004305	542.53	700.97	Cttn	BI688355	NKt 007803
1016	1460249_at	0 .004306	207.	232.8	Lnx2	NM_080795	NM_080795
1017	1456098_a_at NM_207706	0.004311	1025.93	1474.2	Elmo2	BG07S364	NM 080287 NM 207704 NM 207705
1018	1425368_a_at	0.004335	250.5	429.63	Numb	AF169192	NM_010949
1019	143 6332_at	0 .004344	169.47	256.73	Hspb	BB755506	NM_001012401
1020	1433443_a_at	0.004349	5264.93	8457.47	Hmcrcsl	BB705380	NM_145942
1021	1423757 x a t	0.004352	1206.87	1723	Igfbp4	BC019836	NM_010517

Table 8

1022	1460718_s_at	0.004352	[illegible]	[illegible]	[illegible]
1023	1423986_a_at	0.004357	[illegible]	[illegible]	[illegible]
1024	1422521_at	0.004361	2273	2935.43	[illegible]
1025	1416353_at	0.004362	809.93	1006.1	[illegible]
1026	1423074_at	0.004367	[illegible]	[illegible]	[illegible]
1027	1416204_at	0.004381	656.63	1326	[illegible]
1028	1450103_a_at	0.004385	[illegible]	[illegible]	[illegible]
1029	1428275_at	0.004398	319.	[illegible]	[illegible]
1030	1434415_at	0.004405	3170	[illegible]	[illegible]
1031	1448559_at	0.004413	1904	[illegible]	[illegible]
1032	1435512_at	0.004421	435.83	[illegible]	[illegible]
1033	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1034	1446392_at	0.004442	92.6	168.97	Slit2
1035	1424467_at	0.004448	458.	[illegible]	[illegible]
1036	1427250_at	0.004449	10330.23	1320	[illegible]
1037	1444384_at	0.00445	146.8	227.	[illegible]
1038	1429080_at	0.004455	581.27	[illegible]	[illegible]
1039	1437183_at	0.004458	[illegible]	[illegible]	[illegible]
1040	1417501_at	0.004463	622.03	[illegible]	[illegible]
1041	1427158_at	0.004474	505.63	[illegible]	[illegible]
1042	1451700_a_at	0.004483	[illegible]	[illegible]	[illegible]
1043	1434837_at	0.004485	134.8	155.53	Mdc1 BM203061 NM_001010833
1044	1416069_at	0.004496	3809.8	[illegible]	[illegible]
1045	1416700_at	0.004505	558.77	1004.53	Rnd3
1046	1436306_at	0.004514	697.	[illegible]	[illegible]
1047	1448660_at	0.004515	2959.03	[illegible]	[illegible]
1048	1458364_s_at	0.004519	527.6	732.	[illegible]
1049	AFFX-b-ActinMur/M12481_5_at	[illegible]	[illegible]	[illegible]	[illegible]
1050	1446955_at	0.004536	69.	[illegible]	[illegible]
1051	1427718_a_at	0.004549	523.	[illegible]	[illegible]
1052	1454726_s_at	0.004549	390.03	541.1	[illegible]
1053	1435339_at	0.004553	[illegible]	[illegible]	[illegible]
1054	1427606_at	0.004555	138.	[illegible]	[illegible]
1055	1417237_at	0.004561	241.4	369.	[illegible]
1056	1434908_at	0.004566	648.73	[illegible]	[illegible]
1057	1424644_at	0.004571	743.3	866.	[illegible]
1058	1448597_at	0.004576	597.4	778.33	[illegible]
1059	1419490_at	[illegible]	[illegible]	[illegible]	[illegible]
1060	1455771_at	0.0046	[illegible]	[illegible]	[illegible]

Table 8

Table 8

1061	1428843_at	0.004615	2713.6	3220.77	5-Mar	AK009364	NM_027314
1062	1428852_at	0.004622	2811.77	3266.27	Dock3	AK018140	NM_153413
1063	1439030_at	0.004648	187.33	280.17	Gmppb	BI410722	NM_177910
1064	1447385_at	0.004649	1086.97	1497.5	---	AI843353	---
1065	1460687_at	0.004657	399.5	603.07	2410195B05Rik	BB787289	NM_030241
1066	1455143_at	0.004658	3371.97	4380.1	Nlgn2	AU042744	NM_198862
1067	1454769_at	0.004664	160.17	255.77	Tatdn2	BB314680	NM_001033463
1068	1415919_at	0.004667	3799.27	4601.07	Npdc1	NM_008721	NM_008721
1069	1425326_at	0.004669	710.97	1187.8	Acly	BI456232	NM_134037
1070	1424416_at	0.004671	353.97	442.73	Nkiras2	BC024398	NM_028024
1071	1423363_at	0.004672	517.1	711.93	Sort1	AV247637	NM_019972
1072	1439041_at	0.004691	2515	3275.93	Slc39a10	BM239325	NM_172653
1073	1458123_at	0.004706	145.9	310.17	9630002A11Rik	BB124953	---
1074	1431530_a_at	0.00471	1079.23	1766.03	Tspan5	AK015705	NM_019571
1075	1423748_at	0.004717	415.7	481.6	Pdk1	BC027196	NM_172665
1076	1423778_at	0.004719	253.63	360.67	Usp20	AK006800	NM_028846
1077	1417240_at	0.004721	797.37	1196	Zyx	NM_011777	NM_011777
1078	1417663_a_at	0.004731	7271.33	8153.37	Ndrg3	BE631549	NM_013865
1079	1452009_at	0.004731	441.1	603.97	9130422G05Rik	AK018685	NM_025782
1080	1448121_at	0.004735	4462.93	6603.47	Wbp2	NM_016852	NM_016852
1081	1418889_a_at	0.004736	642.27	906.43	Csnk1d	NM_139059	NM_027874 /// NM_139059
1082	1436159_at	0.00474	6118.77	7048.13	Usp32	BQ175926	XM_110937
1083	1433720_s_at	0.004744	6881.7	9718.13	MGI:2143558	AI647775	NM_175329
1084	1437984_x_at	0.004754	3187.03	4017.9	Bat1a	BB461609	NM_019693
1085	1439398_x_at	0.004754	1096.37	1787.27	Nelf	BB266960	NM_020276
1086	1429190_at	0.004754	214.8	444.03	1110007C02Rik	BI440651	NM_027923
1087	1431784_a_at	0.004761	335.23	393.07	Bxdc5	AK008988	NM_027332 /// NM_027371
1088	1438285_at	0.004784	239.43	342.63	2210015D19Rik	BM245369	XM_488586
1089	1423957_at	0.004786	335.7	432.87	Isg20l1	BI440638	NM_026531
1090	1418467_at	0.004787	1050.3	1307.63	Smarcd3	NM_025891	NM_025891
1091	1423075_at	0.004791	904.47	1210.47	Lman2	AK004952	NM_025828
1092	1424494_s_at	0.004794	474.4	605.6	2810417J12Rik	BC024947	NM_029798
1093	1420817_at	0.004795	8665.2	10554.17	Ywhag	NM_018871	NM_018871
1094	1451835_at	0.004802	106.93	208.4	Sox21	AY069926	NM_145464 /// NM_177753
1095	1452584_at	0.004807	4405.1	5377.87	1500032L24Rik	BG915677	NM_026914
1096	1429071_at	0.004815	1106.57	1507.6	Me3	AK006146	NM_181407
1097	1419260_a_at	0.004824	2080.37	2839.33	Snrpb	NM_009225	NM_009225
1098	1417890_at	0.004835	6180.97	7121.1	Pdxp	NM_020271	NM_020271
1099	1420744_at	0.004843	103.63	201.87	Cnrnb2	NM_009602	NM_009602
1100	1452686_s_at	0.00485	1143.53	1423.23	D4Ertd196e	AK017503	NM_025667

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1101	1417592_at	0.004861	1528.37	1724.07	Prapl	NM_020009	NM_020009
1102	1447897_x_at	0.004864	287.07	433.83	Anapc11	AV019615	NM_025389
1103	1431691_a_at	0.004905	446.8	573.27	Rab31	AK007048	NM_133685
1104	1425760_a_at	0.004922	1924.22	2339.2	Pitpnml	AP006467	NM_008851
1105	1417982_at	0.004932	917.47	[illegible]	Insig2	AV257512	NM_133748 /// NM_178082
1106	1450269_a_at	0.004942	1746.2	2542.2	Pfkl	NM_008826	NM_008826
1107	1430533_a_at	0.004953	1774.37	2650.37	Ctnnbl	BI134907	NM_007614
1108	1417423_at	0.004959	5950	8250.13	Grina	NM_023168	NM_023168
1109	1433671_at	0.004984	487.43	724.07	A130022J15Rik	BI149851	NM_175313
1110	1431339_a_at	0.004989	2452.77	4352.93	Efhd2	AK007560	NM_025994
1111	1427039_at	0.004997	2265.77	3478.7	Epnl	AF057285	NM_010147
1112	1430542_a_at	0.005002	5591.8	8151.87	Slc25a5	AA823938	NM_007451 /// XM_485652 /// XM_619211
1113	1448534_at	0.005002	2006.7	2794.9	Ptpnsl	AB018194	NM_007547
1114	1459909_at	0.005014	536.93	851.37	Nfix	BI249259	NM_010906
1115	1417613_at	0.005017	320.67	612.13	Ier5	BF147705	NM_010500
1116	1420548_a_at	0.005017	177.87	231.47	2310008H09Rik	NM_023197	NM_023197
1117	1456926_at	0.005021	920.97	1175.97	Ritns4	BB049544	NM_183023
1118	1426108_s_at	0.005036	409.87	614.37	Cacnbl	AY094172	NM_031173 /// NM_145121
1119	1418354_at	0.005044	328.77	441.83	Cogl	BB210424	NM_013581
1120	1428578_s_at	0.005044	554.97	647.6	Ppfia4	AK003571	XM_129443
1121	1450971_at	0.005044	225.97	422.57	Gadd45b	AK010420	NM_008655
1122	1417480_at	0.005055	2560.47	2874.43	Fbxo9	NM_023605	NM_023605
1123	1422502_at	0.005075	1830.2	2202	Parpl	AF126717	NM_007415
1124	1428620_at	0.005082	2439.6	3447.23	Ensa	BF584204	NM_001026212 /// NM_019561
1125	1425550_a_at	0.00509	6159.63	7608.53	Prkarla	BC005697	NM_021880
1126	1426744_at	0.005097	610.27	992.67	Srebf2	BM123132	NM_033218
1127	1452806_at	0.005154	1147.7	1547.57	1500016O10Rik	AK005271	XM_133706 /// XM_622417
1128	1418038_s_at	0.005168	408.93	524.27	Duspl9	NM_024438	NM_024438
1129	1450186_at	0.00517	2433.67	2866.33	MGI:1914262	AV061337	NM_133352 /// NM_178146
1130	1422428_at	0.00519	1110.33	1713.33	Acsbgl	NM_053178	NM_053178
1131	1429136_at	0.005192	268.7	355.6	1700052K11Rik	AK006771	NM_028539
1132	1449932_at	0.005194	1382.5	2039.8	Csnkld	NM_027874	NM_027874 /// NM_139059
1133	1422017_s_at	0.005197	560.23	909.87	4833439L19Rik	NM_029241	NM_133797
1134	1450903_at	0.005206	2023.27	2769.13	Rad23b	BF138887	NM_009011
1135	1447228_at	0.005214	368.33	608.63	Pacsin3	BM248411	NM_028733 /// NM_030880
1136	1436482_a_at	0.005218	541.93	697.7	Sdc3	BQ032424	NM_011520
1137	1456191_x_at	0.005231	201.43	287.77	Pacsin3	BB828106	NM_028733 /// NM_030880
1138	1434385_at	0.005235	3183.33	3696.17	Tθinll2	BG072270	NM_153080
1139	1422547_at	0.005266	2601.23	3550.43	Raπbpl	L25255	NM_011239
1140	1450097_s_at	0.005266	486.47	826.73	Gπal2	BF302166	NM_010302

Table 8

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1141	1431923_at	0.005328	441.43				
1142	1444488_at	0.005334					
1143	1425337_at	0.005338	1809				
1144	1460433_at	0.00534					
1145	1458394_at	0.005342	1332.6				
1146	143800[illegible]	[illegible]					
1147	1424172_at	0.005365					
1148	1426629_at	0.005365	482.83				
1149	1420644_a_at	0.005369					
1150	1418768_at	0.005371	847.[illegible]				
1151	1422560_at	0.005382	272.[illegible]				
1152	1431226_a_at	0.005382	1108.57	1507.03	Fndc4	AK013203	NM_022424
[illegible]	[illegible]	[illegible]	[illegible]				
1154	1426957_at	0.005385	1035.7				
1155	1452724_at	0.0054	715.8	999.77			
1156	1451046_at	0.005401	614.[illegible]				
1157	1453713_s_at	0.005424	108.[illegible]				
1158	1447412_at	0.005426					
1159	1435026_at	0.[illegible]					
1160	1420892_at	0.005435	506.43	662.[illegible]			
1161	1418619_at	0.005437	2428	2828.73			
1162	1456875_at	0.005446	353.[illegible]				
1163	1425227_a_at	0.005459	1[illegible]				
1164	1454619_at	0.005474					
1165	1423493_a_at	0.005485	5097.53				
1166	1453529_at	0.005492	92.87	168.			
1167	1418905_at	0.005501	219.[illegible]				
1168	1427054_s_at	0.005522	350.[illegible]				NM_001014424 /// NM_178790
1169	1448621_a_at	0.005523	3[illegible]				
1170	1431469_a_at	0.005526	1282.93				
1171	1455672_s_at	0.00[illegible]					
1172	1447863_s_at	0.005528	399.[illegible]				
1173	1435732_x_at	0.005536	2589[illegible]				
1174	1433477_at	0.005541	2617.97				
1175	1427114_at	0.005542	957.[illegible]				
1176	1432385_a_at	0.005557	225.[illegible]				
1177	1452601_a_at	0.005559					
1178	1423994_at	0.005561	8234.23				
1179	1460674_at	0.005561					

Table 8

1180	1438194_at	0.005583	21985.27
1181	1447150_at	0.005594	480.67
1182	1440452_at	0.005595	1114.53
1183	1416228_at	0.005597	4093.43
1184	1434032_at	0.005604	1516.37
1185	1445631_at	0.005608	373.43
1186	1424945_at	0.00562	203.1
1187	1448941_at	0.005621	489
1188	1419189_at	0.005627	702.1
1189	1417318_at	0.005632	4276.63
1190	1427109_at	0.005652	1445.1
1191	1434779_at	0.005652	770.6
1192	1460387_a_at	0.005655	375.83
1193	1439908_at	0.005566	81.77
1194	1418463_at	0.00568	[illegible]
1195	1420592_a_at	0.005681	869
1196	1449556_at	0.005683	203.7
1197	1446172_at	0.005684	109.63
1198	1456043_at	0.005686	1101.9
1199	1418292_at	0.005693	2975.8
1200	1450315_at	0.005693	42.13
1201	1449536_at	0.005696	213.33
1202	1435579_at	0.00571	423.57
1203	1455401_at	0.00571	3296.8
1204	1435200_at	0.00573	291.13
1205	1456800_a_at	0.005738	419.43
1206	1416248_at	0.005741	917.4
1207	1453083_at	0.005744	69.63
1208	1428223_at	0.005755	509.67
1209	1427108_at	0.005757	1756.23
1210	1416155_at	0.005765	821.4
1211	1441223_at	0.005766	270.87
1212	1415974_at	0.005774	571.77
1213	1455246_at	0.005781	448.77
1214	1448856_a_at	0.005785	1032.43
1215	1460426_at	0.005788	212.53
1216	1452071_at	0.005793	886.23
1217	1418598_at	0.005804	276.27
1218	1452753_at	0.005813	1441.53
1219	1428707_at	0.005817	5055.47

Table 8

1220	1426792_s_at	0.005818	1382.1	1618.97	Rusc2	AK018236	NM_021430
1221	1428690_at	0.005833	287.7	482.6	Tysnd1	BF466063	XM_125636
1222	1417374_at	0.005837	9283.43	11395.8	Tuba4	AW491660	NM_009447
1223	1448171_at	0.005842	188.2	271.67	Siah2	AA414485	NM_009174
1224	1426912_at	0.005843	2574	2909.27	Rfwd2	BB296692	NM_011931
1225	1439488_at	0.005844	306.37	555.5	Dotl1	AW552804	NM_199322
1226	1416029_at	0.005847	430.97	670.97	Klf10	NM_013692	NM_013692
1227	1415998_at	0.00585	5053.83	7716.1	Vdac1	NM_011694	NM_011694
1228	1417262_at	0.005851	245.3	391.77	Ptgs2	M94967	NM_011198
1229	1425281_a_at	0.005857	989.53	1075.43	Tsc22d3	AF201289	NM_010286
1230	1452132_at	0.005858	617.93	805.8	0610007A15Rik	BE951033	NM_026708
1231	1422577_at	0.005859	1945.53	2595.47	Cs	AB056479	NM_026444
1232	1421126_at	0.005861	154.33	318.97	Ryr2	NM_023868	NM_023868
1233	1451201_s_at	0.005873	718.3	[illegible]	Rnh1	BC010331	NM_145135
1234	1458365_at	0.005876	186.03	232.67	Scyl1bp1	BB183144	NM_178883
1235	1436855_at	0.005879	127.97	215.73	Ptprs	AV348224	NM_011218
1236	1454893_at	0.005887	651.3	771.57	1110013L07Rik	BB765852	NM_001014995
1237	1454558_at	0.005893	418.7	460	Ilvbl	BI408416	NM_173751
1238	1416087_at	0.005902	2635.37	3414.07	Ap1s1	NM_007457	NM_007457
1239	1452485_at	0.005904	105.17	246.6	Phospho1	AJ457190	NM_153104
1240	1452164_at	0.005909	2192.73	3002	BC038286	BI647183	NM_170755
1241	1425659_at	0.005918	266.67	450.3	Toml12	BM226574	NM_153080
1242	1445521_at	0.00592	325.63	457.87	Elavl1	BB755434	NM_010485
1243	1421233_at	0.005921	229.83	371.9	Pknox1	AA409923	NM_016670
1244	1460617_s_at	0.005925	5127.37	7025.72	Rab6b	AV220161	NM_173781
1245	1451399_at	0.00593	1144.67	1421.87	MGI:1930773	BC008274	NM_019999 /// NM_025580
1246	1451825_a_at	0.005933	2265.73	2897.93	Copz1	BC002246	NM_019817
1247	1419008_at	0.005936	209.4	288.9	Npy5r	NM_016708	NM_016708
1248	1435936_at	0.00594	250.77	420.33	Slc13a5	BI134706	NM_001004148
1249	1418498_at	0.005945	1056.73	1500.83	Fgf13	AF020737	NM_010200
1250	1435604_at	0.005946	4193.27	4913.33	Trim37	BM941778	NM_197987
1251	1431064_at	0.005963	338.67	589.37	Dpp8	BF119821	NM_028906
1252	1455741_a_at	0.005977	704.27	948.73	Ecel1	AW553715	NM_199307
1253	1426816_at	0.005982	428.83	643.63	2210403N09Rik	BC024804	XM_132372
1254	1417724_at	0.005991	544.2	770	Thoc4	D11568	NM_011568
1255	1417568_at	0.006005	6897.2	8678.57	Ncald	BG071381	NM_134094
1256	1426211_at	0.00602	186.2	252.9	BC021367	BC021367	NM_145597
1257	1423031_at	0.006024	968.2	1370.57	Maea	AV011036	NM_021500
1258	1419673_at	0.006035	707.63	1056.5	Spock1	BB308491	NM_009262
1259	1453404_at	0.00604	189.67	280.67	2900002H16Rik	BC024790	XM_131380

Table 8

1260	1442145_at	0.006078	237.2	442.33	Atpl3a3	BG066456	XM_148700 /// XM_6226
1261	1453091_s_at	0.00609	686.53	924.57	Letmdl	BB241S83	NM_134093
1262	1456783_at	0.00611	504.53	752.67	9330107J05Rik	BB075402	---
1263	1416845_at	0.006111	4831.83	6492.03	Hspa5bpl	NMJL33804	NM_133804
1264	1457276_at	0.006111	169.93	285.1	Snfllk2	AI315692	NM_178710
1265	1426449_a_at	0.006131	3293.77	4265.7	Pjal	BM199789	NM_008853
1266	1441777_at	0.006137	433.9	562.73	[illegible]	BB741819	[illegible]
1267	1435226_at	0.006145	355.53	547.43	Ibrdc3	BG064140	XM_204030
1268	1415676_a_at	0.006151	3802.6	4952.57	Psmb5	NM_011186	NM_011186
1269	1425539_a_at	0.006159	6371.7	8465.43	Rtn3	AB046114	NM_001003930 /// NM_001003933 /// NM_001003934 /// NM_053076
1270	1427481_a_at	0.006175	10689.17	11909.77	Atpla3	BC027114	NM_144921
1271	1449119_at	0.006179	182.23	303.4	Arih2	NM_011790	NM_011790
1272	1428068_at	0.006183	2045.77	2453.5	Samm50	AK003990	NM_178614
1273	1418706_at	0.00619	800.6	1084.33	Slc38a3	NM_023805	NM_023805
1274	1431191_a_at	0.00619	4266.1	5758.5	Sytl	AK018163	NM_009306
1275	1427685_a_at	0.006192	785.37	1114.2	Synj2	AF041858	NM_011523
1276	1433817_at	0.006194	775.8	974.47	Agpat3	AV296997	NM_053014
1277	1424267_at	0.006197	288.23	480.8	1810043G02Rik	BC010330	NM_026431
1278	1425551_at	0.006206	349.63	579.33	Hiplr	AA590970	NM_145070
1279	1424990_at	0.006208	235.93	340.03	D730049.H07Rik	BQ173909	NMJ.75423
1280	1453712_a_at	0.006217	260.9	341.13	Map2k5	BB828559	NM_011840
1281	1445498_at	0.006218	195.83	296.5	Ryr2	AW552101	NM_023868
1282	1416392_a_at	0.006222	18241.53	24836.37	Atp6v0c	NM_009729	KM_009729
1283	1448605_at	0.00623	130.17	218.37	RhoC	NM_007484	NN_007484
1284	1448677_at	0.006234	467.77	637.2	Cox4nb	NM 010926	NM 010926
1285	1454696_at	0.006242	12571.23	14790.27	Gnbl	BG071068	NM_008142
1286	1451917_a_at	0.006256	405.5	993.63	Dcamkll	AF155820	NM_019978
1287	1454754_a_at	0.00627	2696.67	3540.93	Aamp	BP468097	NMJL46110
1288	1425066_a_at	0.006271	300.43	366.43	1110061004Rik	BC018294	NM 026849
1289	1424484_at	0.006278	18811.33	291.93	Mobklb	AV226922	NM 145571
1290	1429764_at	0.006284	40044.877	586.33	1500005K14Rik	BF101721	
1291	1424913_at	0.006306	34455.177	471.77	2310044G17Rik	AK009800	NM_173735
1292	1440128_s_at	0.006315	456.7	727.67	Sez61	AW539724	XM_132255
1293	1426885_a_at	0.00632	3021.63	4613.1	Cdk2apl	AKO 048 52	NM_013812
1294	1435105_at	0.00632	1818.37	2795.73	1110061N23Rik	BG066986	NM_176834
1295	1424079_x_at	0.006324	616.1	969.27	2900073H19Rik	BC026994	NM 026615
1296	1453995_a_at	0.006337	176.13	316.4	Htf9c	AK017819	NMJ3083 07
1297	1425977_a_at	0.006348	661.17	846.8	SIk	AF112855	NM 009289
1298	1450725_s_at	0.006351	136.57	231.73	Carl4	NM 011797	NM 011797

Table 8

1299	1436377_	at	0 006352	1070	1283.9	AI428855	BI410102	NM_207220		
1300	1416020	a_at	0.00636		4429.97	5808.73	Atp5gl	NM~007506	NM 007506	
1301	1416289	_at	0 .006365	259.5	286.73	Plodl	NM_011122	NM_011122		
1302	1448003	at	0 .006372	261.5	348.1	1810043H04Rik	BI414944			
1303	1417388_	at	0 .006404	7013	8201.33	Bex2	NM_009749	NM_009749		
1304	1460262	a at	0.006406		1098.83	1684.97	1700037H04Rik	NM_026091	NM_026091	
1305	1423772	x_at	0.006414		6940.7	8625.1	Slc25a5	U27316	NM_007451	
1306	1454753]	at	0 .00642	463.33	614.97	Rnpepll	BB540667	NM_181405		
1307	1422136	at	0 .006439	156.77	315.07	Uhmkl	AW012751	NM 010633		
1308	1447669]	s_at	0.006445		415.57	498.97	Gng4	AV347903	NM_010317	
1309	1427288]	at	0 .006447	1591.27	1861.87	Apba2	BE952331	NM_007461		
1310	1448262]	at	0 .006449	1830.53	2267.57	Esmb2	NM_011970	NM_011970		
1311	1454037_	a_at	0.00645		154.47	272 3	Fltl	AK005502	NM_010228	
1312	1451147]	x_at	0.006454		618	911.4	Csdc2	BC016109	NM_145473	
1313	1435607]	at	0 .006454	1215.67	1520.43	Grm2	BQ174642			
1314	1437840]	s_at	0 .006469		475 .87	701.43	AI325464	BB222646	NM_178882	
1315	1437291_	at	0 .006483	657 .63	746. 07	2700081O15Rik	AV131166	NM_175381		
1316	1444307]	at	0 .0066448855	18855 ..7733	247. 13	AW491448				
1317	1420877_	at	0 .0066550044	18877 99..22	2122 .8	6-Sep	NM_019942	NM_019942		
1318	1448844	at	0 .006506	503.8	747.97	1810044O22Rik	NM_025558	NM_025558		
1319	1426409]	at	0 .006508	502.03	727.07	Lzts2	BG8S6479	NM 145503		
1320	1456313]	x_at	0.006509		1691.57	2239.7	Mrpl28	BB257397	NM_024227	
1321	1424651]	at	0 .006518	190 1	254.87	BC021611	BC021611	NM_144932		
1322	1416900_	s_at	0.006519		821.67	1191.6	Gdfl	Lassl	NMJL38647	NM_008107 /// NM_138647
1323	1439765_	x_at	0.006526		1144.47	1795.27	2410039E07Rik	AV214551	NM_212483	
1324	1421059]	a_at	0.006544		3884.57	4403.73	Alg2	NM_019998	NM_019998	
1325	1439583]	x_at	0.006552		657.87	835.33	D130029J02Rik	BE685813	XM 150103	
1326	1430997_	at	0 .006585	160.23	296.63	Cd47	AI882525	NM_010581		
1327	1425351]	at	0 .006591	290.7	506.8	Srxnl	BC011325	NM 029688		
1328	1416032	at	0 .006596	472.93	840.7	1110006I15Rik	AW494906	NM 134142		
					376	1300006N24Rik	BG145492	NMJ327911		
1329	1427110_at		0 ,006596	263.93						
1330	1419495_at		0 .006601	257.8	300	lmmp2l	NM_053122	NM_053122		
1331	1430851_at		0 .006601	214.43	360.03	Zfp444	AK012846	NM_028316		
1332	1418279_a_at		0 .006612	294	417.1	Akapl	BG067335	NM_009648		
1333	1452484_at		0 .006623	265.4	417.5	Car7	AF291660	NM_053070		
1334	1436992_x_at		0 .006648	10374 ,6	14362.07	BB160479				
1335	1452211_at		0 .006662	809.5	975.4	Psme4	BM195254	NM_134013		
1336	1450147_at		0 .006665	1246.3	2199.37	Nptxr	BI733611	NM_030689		
1337	1419439	at	0 .006668	145.77	208.27	Stk22sl	NM 011651	NM 011651		

Table 8

Table 8

1338	1460288_a_at	0.00		63.4	BC025612
1339	1436167_at	0.006685	677.23	806.	NM_053100
1340	1429298_at	0.006685	2289	691.	NM_178111
1341	1452846_at	0.006694		52.	NM_023202 Ppfia4
1342	1426399_at	0.006697	334.	24.9	NM_178408 BC018501 Vwal
1343	1431129_at	0.0067	246.		NM_021421
1344	1455649_at	0.006702	449.		NM_144868
1345	1456029_a_at	0.006712			NM_009722
1346	1449405_at	0.006719	234.	10.7	NM_008492
1347	1451122_at	0.006729	999.73		XM_484217
1348	1421491_a_at	0.006746	2054	164.	NM_026741
1349	1427286_at	0.006756	1133.43		NM_013643
1350	1450172_at	0.006757	239.4 313.17		Pknox
1351	1426094_at	0.006764	1617.37	2064	NM_178681
1352	1434498_at	0.006769			NM_029377 BM570079
1353	1452357_at	0.006784	1379	8722	NM_177682
1354	1427688_a_at	0.006786	591.87		NM_134013
1355	1441338_at	0.006787	196.	62.1	NM_007754
1356	1444562_at	0.006793			NM_026080 BF167852
1357	1448115_at	0.006798	317.8 426.		NM_009270
1358	1415993_at	0.006799	1331.13	1648.2	
1359	1450865_s_at	0.006801	1053	236.	NM_133907
1360	1447392_s_at	0.006806	110.5	12.27	BB036132
1361	1426824_at	0.006808	586.	11.5	NM_011218
1362	NM_213614 /// 5 NM_010327 /// 1				NM_001001669 AF033350
1363	1426577_a_at	0.006814		39.5	XM_358631
1364	1440901_at	0.006814	612.		NM_144816
1365	1441065_at	0.006815	3004.2		NM_016670
1366	1423544_at	0.006829	1		NM_001024931
1367	1428564_at	0.00683		79.	NM_029478
1368	1460030_at	0.006832			NM_177960 /// NM_145360
1369	1455235_x_at	0.006834	7271.57		XM_619639
1370	1416551_at	0.006836	1458	9108	XM_127105
1371	1451328_at	0.006852	1259.43	1537	XM_126933
1372	1415731_at	0.006855	631.77	686.	XM_357781
1373	1424578_at	0.006857	663.93		NM_147776
1374	1450818_a_at	0.006867	6465	247.	XM_129443
1375	1452646_at	0.006879	3063.13		NM_026993
1376	1460237_at	0.006898	215.3 3		NM_001013829 Trim8
1377	1425190_a_at	0.006904	735.	49	NM_019674

Table 8

1378	1437861_s_a	[illegible]	[illegible]	[illegible]	[illegible]
1379	1451586_at	0.006913	[illegible]	[illegible]	[illegible]
1380	1433015_at	0.006918	298.23	534.63	[illegible]
1381	1454823_at	0.00692	415.5	489.5	Wdr37
1382	1426902_at	0.006926	203.	[illegible]	[illegible]
1383	1433630_at	0.006935	[illegible]	[illegible]	[illegible]
1384	1426235_a_at	0.006939	[illegible]	[illegible]	[illegible]
1385	1425900_at	0.006955	329.	[illegible]	[illegible]
1386	1423964_at	0.006957	565.	[illegible]	[illegible]
1387	1457040_at	[illegible]	[illegible]	[illegible]	[illegible]
1388	1458436_at	0.00696	[illegible]	[illegible]	[illegible]
1389	1434744_at	0.006967	630.83	[illegible]	[illegible]
1390	1416541_at	0.006968	628.43	[illegible]	[illegible]
1391	1441064_at	0.006972	389.	[illegible]	[illegible]
1392	1445561_at	0.006983	180.73	[illegible]	[illegible]
1393	1427569_a_at	0.006986	310.	[illegible]	[illegible]
1394	1440817_x_at	0.006987	2009.33	[illegible]	[illegible]
1395	1427117_at	0.007023	483.87	[illegible]	[illegible]
1396	1440207_at	0.007023	[illegible]	[illegible]	[illegible]
1397	1432418_a_at	0.007038	1891.57	[illegible]	[illegible]
1398	1428190_at	0.007038	750.	[illegible]	[illegible]
1399	1451568_at	0.007055	432.	[illegible]	[illegible]
1400	1417322_at	0.007057	1070.1	[illegible]	[illegible]
1401	1429170_a_at	[illegible]	[illegible]	[illegible]	[illegible]
1402	1428834_at	0.00707	136.93	[illegible]	[illegible]
1403	1451041_at	0.007075	1297.2	1634.73	[illegible]
1404	1421383_at	0.	[illegible]	[illegible]	[illegible]
1405	1448435_at	0.007113	922.17	[illegible]	[illegible]
1406	1423743_at	0.007115	809.87	[illegible]	[illegible]
1407	1427404_x_at	0.007119	11741.73	[illegible]	[illegible]
1408	1417994_a_at	0.007128	614.	[illegible]	[illegible]
1409	1450478_a_at	0.00713	[illegible]	[illegible]	[illegible]
1410	1432462_a_at	0.007132	508.97	[illegible]	[illegible]
1411	1456580_s_at	0.007133	[illegible]	[illegible]	[illegible]
1412	1441264_x_at	0.007138	400.	[illegible]	[illegible]
1413	1438138_a_at	0.007157	346.	[illegible]	[illegible]
1414	1447945_at	0.007161	124.4	218.7	Maf
1415	1434723_at	0.007171	526.7	710.	[illegible]
1416	1417293_at	0.007186	660.13	890.	[illegible]
1417	1450918_s_at	0.007188	[illegible]	[illegible]	[illegible]

Table 8

1418	1440248_at	0.007192	295.
1419	1431169_at	0.007194	
1420	1420795_at	0.007201	363.3 658.
1421	1418410_at	0.007207	203.53
1422	1427004_at		
1423	1452014_a_at	0.	
1424	1418775_at	0.007271	
1425	1426024_a_at	0.007274	2707
1426	1438426_at	0.007277	
1427	1432411_a_at	0.007289	475.
1428	1418260_at	0.007304	
1429	1447222_at	0.007324	192.
1430	1416388_at	0.007327	
1431	1415819_a_at	0.007328	9171
1432	1420968_at	0.007349	307.67
1433	1422256_at	0.007368	749.
1434	1426606_at	0.007377	1135
1435	1458539_at	0.007382	403.
1436	1431308_at	0.007393	78.6 163.
1437	1433451_at	0.007394	4384.37 6232
1438	1421563_at	0.007399	104.
1439	1451094_at	0.	
1440	1424720_at	0.007417	1478
1441	1435049_s_at	0.00742	
1442	1421375_a_at	0.007422	393.
1443	1426510_at	0.007432	506.
1444	1448153_at	0.007432	
1445	1429680_at	0.007435	253.
1446	1454786_at	0.00744	335.
1447	1450370_a_at	0.007444	815.
1448	1424142_at	0.00745	225.
1449	1434050_at	0.007457	627.
1450	1458441_at	0.007457	844.
1451	1435328_at	0.007469	1358
1452	1418288_at	0.007475	
1453	1450871_a_at	0.007487	1388
1454	1436053_at	0.007487	529.9 785.
1455	1417557_at	0.007497	1689.57 1983
1456	1435402_at	0.0075	274.73 480.9
1457	1440143_at	0.007501	

Table 8

1458	1435847_at	0.007503	2583.4	3441	Cdc42bpa	BM117074	XM_619711
1459	1422589_at	0.007506	9784	[illegible]	[illegible]	[illegible]	[illegible]
1460	1425576_at	0.007511	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1461	1417543_at	0.007547	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1462	1450817_at	0.007547	123.6	209.	[illegible]	[illegible]	[illegible]
1463	1421480_a_at	0.007561	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NM_001024839 /// NM_001024840 ///							
1464	1432216_s_at	0.007591	65.5	94.2	[illegible]	[illegible]	[illegible]
1465	1425461_at	0.007592	617.87	875.23	Fbxw1	[illegible]	[illegible]
1466	1443798_at	0.00761	495.	422.	Pik3cd	[illegible]	[illegible]
1467	1455168_a_at	0.007618	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1468	1455330_	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1469	1420980_at	0.007641	8121.57	[illegible]	[illegible]	[illegible]	[illegible]
1470	1416831_at	0.007646	652.9	743.	Neu1	[illegible]	[illegible]
1471	1435258_at	0.007647	411.	73.0	[illegible]	[illegible]	[illegible]
1472	1418901_at	0.007689	[illegible]	[illegible]	Cebpb	[illegible]	[illegible]
1473	1424406_at	0.007693	459.5	613.	[illegible]	[illegible]	[illegible]
1474	1428048_at	0.007693	39.93	66.43	BC02	[illegible]	[illegible]
1475	1450957_a_at	0.007698	7610	605.	[illegible]	[illegible]	[illegible]
1476	1433444_at	0.007715	38	[illegible]	Mgcs	[illegible]	[illegible]
1477	1429951_at	0.007735	197.	45.2	[illegible]	[illegible]	[illegible]
1478	1451897_a_at	0.00	[illegible]	34.1	[illegible]	[illegible]	[illegible]
1479	1421568_at	0.007745	242.6	399.03	Kcna6	NM_01	[illegible]
1480	1448249_at	0.007745	791.87	1230	Gpd1	[illegible]	[illegible]
1481	1438402_at	0.007747	578.77	748.	[illegible]	[illegible]	[illegible]
1482	1426257_a_at	0.00776	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1483	1421939_a_at	0.007765	123.13	[illegible]	Stagl	[illegible]	[illegible]
1484	1438196_at	0.007765	969.47	[illegible]	[illegible]	[illegible]	[illegible]
1485	1433541_a_at	0.00	[illegible]	222.	[illegible]	[illegible]	[illegible]
1486	1438500_at	0.007776	300.	18.4	[illegible]	[illegible]	[illegible]
1487	1417502_at	[illegible]	[illegible]	[illegible]	Tspan7	[illegible]	[illegible]
1488	1452352_at	0.007806	51.1	[illegible]	Ctla2	[illegible]	[illegible]
1489	1429988_at	0.007808	66.67	128.2	Zfp2	[illegible]	[illegible]
1490	1459847_x_at	0.007813	451.67	588.97	Gfra2	AV354240	[illegible]
1491	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1492	1416491_at	0.007839	518.63	1028	Numb	[illegible]	[illegible]
1493	1455012_s_at	0.007864	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1494	1454779_s_at	0.007866	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1495	1423210_a_at	0.007882	6012	[illegible]	[illegible]	[illegible]	[illegible]

Table 8

1496	1416986_a_at	0.007883	1191.57	1660.7	Ptpns1	AB018194	NM_007547
1497	1422031_a_at	0.007884	952.33	1064.73	Za20d3	NM_022985	NM_022985
1498	1440905_at	0.007899	251.07	356.5	Hs2st1	AI451467	NM_011828
1499	1432027_a_at	0.007901	334.7	526.4	Tbc1d14	AK013092	NM_133910
1500	1450108_at	0.007904	3396.37	4395.5	Kif1a	NM_008440	NM_008440
1501	1419444_at	0.007925	1234.13	2005.83	Sap18	NM_009119	NM_009119
1502	1426621_a_at	0.007941	3196.67	3600.67	Ppp2r2b	BB560759	NM_027531 /// NM_028392
1503	1426993_at	0.007943	561.1	723.07	Xpr1	AV337591	NM_011273
1504	1428836_at	0.007975	432.53	593.67	2300009A05Rik	AK009046	XM_204313
1505	1432054_at	0.007985	48.73	80.3	Golga1	AK008972	NM_029793
1506	1423661_s_at	0.008009	223.27	335.87	Ctdsp2	BB294133	NM_146012
1507	1418810_at	0.008011	573.33	778.17	Crhr1	NM_007762	NM_007762
1508	1451908_a_at	0.008021	841.8	1264.63	Sec14l1	BC005766	NM_028777
1509	1435068_at	0.008021	1555.43	2252.03	Pip5k2b	BQ174042	NM_054051
1510	1439888_at	0.008022	46.9	105.77		BB271581	
1511	1433107_at	0.008026	72.63	146.6		AK018014	
1512	1453215_at	0.008046	38.2	87	Rnase10	AK015573	NM_029145
1513	1450898_at	0.008056	776.9	1025.03	Hiat1	BM208582	NM_008246
1514	1451461_a_at	0.008058	14516.5	18682.93	Aldoc	BC008184	NM_009657
1515	1455442_at	0.008063	48.63	88.6		BM119683	
1516	1448669_at	0.008065	2034.7	2307.27	Dkk3	AK004853	NM_015814
1517	1458469_at	0.008076	130.1	171.8	Cblb	BB205662	XM_156257 /// XM_358863
1518	1430117_a_at	0.008087	177.5	221.13	Zfp64	AK010444	NM_009564
1519	1418646_at	0.008099	1183.9	1849.7	Gna-rs1	BF577955	NM_008136
1520	1455545_at	0.00811	1727.23	2054.73	1110065P20Rik	BI415815	
1521	1428954_at	0.008124	271.77	415	Slc9a3r2	AK004710	NM_023055 /// NM_023449
1522	1437197_at	0.00814	2668.37	3234.93	Sorbs2	BB251748	XM_486103
1523	1434708_at	0.008143	1020.33	1225.73	Vhlh	BG073142	NM_009507
1524	1429884_at	0.008147	674.1	809.43	Srgap2	AK005172	XM_129445
1525	1453059_at	0.008149	1593.1	1876.67	2310046A06Rik	AK009836	XM_146970
1526	1418588_at	0.008158	14681.03	17065.1	Vmp	NM_009513	NM_009513
1527	1451480_at	0.008159	255.8	418.33	E2f4	BC026649	NM_148952
1528	1452082_at	0.00816	625.87	817.97	6430548M08Rik	BB319392	NM_172286
1529	1451098_at	0.008161	1024.73	1329.27	Pcoln3	BC010524	NM_145606
1530	1416191_at	0.008168	538	846.3	Sec61a1	BC003707	NM_016906
1531	1428484_at	0.008172	1145.5	1453.63	Osbpl3	AK004768	NM_027881
1532	1452376_at	0.008176	180.47	387.33	Zfp444	BE951951	NM_028316
1533	1452969_at	0.008179	3074.7	3782.93	Atp2b1	BI080417	NM_026482
1534	1415691_at	0.008182	6372.03	7899.87	Dlgh1	BQ176806	NM_007862

Table 8

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1535	1424757_at	0.008222	2227.57	2510.53	BC018242	BC018242	NM_144935
1536	1450963_at	0.008224	5033.07	6033.93	Uqcrfs1	AK003966	NM_025710
1537	1421924_at	0.008232	533.87	839.5	Slc2a3	M75135	NM_011401
1538	1417611_at	0.00824	78.6	221.13	Tmem37	BC024613	NM_019432
1539	1424303_at	0.008251	1800.47	2483.37	Slc24a3	BC017615	NM_053195
1540	1443162_at	0.008253	57.53	107.37	---	BB043897	---
1541	1459947_at	0.008253	93.6	175.8	Txndc5	BB007036	NM_145367
1542	1442524_at	0.008254	105.93	214.9	---	AI836848	---
1543	1426430_at	0.008266	258.47	418.77	Jag2	AV264681	NM_010588
1544	1450056_at	0.008272	700.33	1025.77	Apc	NM_007462	NM_007462
1545	1418396_at	0.008308	80.43	131.9	Gpsm3	NM_134116	NM_134116
1546	1418485_at	0.008319	2041.07	2428.3	Slc4a3	NM_009208	NM_009208
1547	1452909_at	0.008323	302.83	427.8	2410127E18Rik	BB487410	NM_029742
1548	1452316_at	0.008327	252.13	330.57	Phf22	AK003874	NM_027927
1549	1452137_at	0.008331	244.7	331.83	Acbd3	BB704602	NM_133225
1550	1424668_a_at	0.008334	383.77	685.07	Cutl1	BC014289	NM_009986 /// NM_198602
1551	1451708_at	0.008338	52.4	94.27	Gpr33	AF045766	NM_008159
1552	1415836_at	0.008348	300.1	428.03	Aldh18a1	NM_019698	NM_019698 /// NM_153554
1553	1419221_a_at	0.008349	1481.6	1704.73	Rgs14	NM_016758	NM_016758
1554	1440152_x_at	0.008355	944.4	1490.23	Edf1	AV003223	NM_021519
1555	1449401_at	0.008359	776.4	952.6	C1qg	NM_007574	NM_007574
1556	1435844_at	0.008361	497.43	725	A330009N23Rik	BB164247	XM_358477
1557	1456304_at	0.008373	186.9	365.57	Gm995	BF463551	NM_001005424
1558	1422801_at	0.008389	1322.5	1528.07	MGI:1351465	BC021156	NM_013716
1559	1451309_at	0.008405	839.07	1075.67	Arhgap1	BC006592	NM_146124
1560	1433665_at	0.008408	2022.93	2857.57	Vps41	AW536822	NM_172120
1561	1431360_s_at	0.008411	225.5	339.53	4921520P21Rik	AI430409	NM_027591
1562	1418533_s_at	0.008429	291.97	467.23	Fzd2	BB371406	NM_020510
1563	AFFX-MURINE_B2_at	0.008431	29218.53	41537.6	Ankfy1	AFFX-MURINE_B2	NM_001004436 /// NM_001007589 /// NM_001008498 /// NM_001009573 /// NM_001031814 /// NM_007506 /// NM_007687 /// NM_007744 /// NM_007932 /// NM_008122 /// NM_008363 /// NM_008441 /// NM_008893 /// NM_009118 /// NM_009180 /// NM_009442 /// NM_009461 /// NM_009634 /// NM_009671 /// NM_009780 /// NM_009805 /// NM_009905 /// NM_009909 /// NM_009984 /// NM_010233 /// NM_010380 /// NM_010398 /// NM_010704 /// NM_011079 /// NM_011195 /// NM_011317 /// NM_011397 /// NM_011431 /// NM_011495 /// NM_011585 /// NM_011818 /// NM_011933 /// NM_013534 /// NM_013881 /// NM_013885 /// NM_016694 /// NM_016762 /// NM_016858 /// NM_016918 /// NM_016963 /// NM_018804 /// NM_018851 /// NM_019519 /// NM_019758 /// NM_019921 /// NM_020584 /// NM_021282 /// NM_023440 /// NM_024418 /// NM_025326 /// NM_025338 /// NM_025441 /// NM_025904 /// NM_026020 /// NM_026031 /// NM_026101 /// NM_026201 /// NM_026440 /// NM_026511 /// NM_026541 /// NM_026701 /// NM_026917 /// NM_027421 /// NM_028527 /// NM_028717 /// NM_028726 /// NM_028838 /// NM_029248 /// NM_030116 /// NM_031375 /// NM_033078 /// NM_033218 /// NM_033325 /// NM_033564 /// NM_133648 /// NM_133649 /// NM_133771 /// NM_133850 /// NM_133851 /// NM_134115 /// NM_138680 /// NM_144807 /// NM_144886 /// NM_145150 /// NM_145221 /// NM_145391 /// NM_145427 /// NM_145495 /// NM_145497 /// NM_145819 /// NM_145916 /// NM_145985 /// NM_146115 /// NM_146146 /// NM_172453 ///

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NM_172566 /// NM_172591 /// NM_172860 /// NM_172861 /// NM_173169 /// NM_175344 /// NM_175523 /// NM_175563 /// NM_176913 /// NM_176975 /// NM_176979 /// NM_177214 /// NM_178620 /// NM_178630 /// NM_178787 /// NM_178795 /// NM_178801 /// NM_178875 /// NM_178914 /// NM_181665 /// NM_194341 /// NM_207653 /// NM_207682 /// XM_125867 /// XM_126982 /// XM_129658 /// XM_129773 /// XM_132150 /// XM_132325 /// XM_134088 /// XM_135683 /// XM_141327 /// XM_143175 /// XM_144080 /// XM_148273 /// XM_193573 /// XM_194592 /// XM_194622 /// XM_282988 /// XM_484522 /// XM_485803 /// XM_488981 /// XM_620306 /// XM_621875 /// XM_622089 /// XM_622380 /// XM_622410 /// XM_622590 /// XM_622622

1564	1415950_a_at	0.008432	8803.6	13532.63	Pbp	NM_018858	NM_018858
1565	1436874_x_at	0.008435	7600.8	10327.47	Slc25a5	BM210336	NM_007451
1566	1448868_at	0.008445	1968.37	2488	Scand1	NM_020255	NM_020255
1567	1426372_a_at	0.008453	645	897.67	Bet1l	BE686988	NM_018742
1568	1424562_a_at	0.00846	14062.33	17721.5	Slc25a4	BC026925	XM_134169
1569	1448691_at	0.008462	2252.53	2597.5	Ubqln4	BB764994	NM_033526
1570	1416642_a_at	0.008474	23186.07	35077	Tpt1p	BF608828	NR_002218
1571	1423716_s_at	0.008507	3915.27	5366.33	Atp5d	BC008273	NM_025313
1572	1452913_at	0.008515	527.93	719.37	Pcp4l1	AV337888	XM_484933
1573	1426766_at	0.008517	3125.4	3467.97	6330403K07Rik	AK018106	NM_134022
1574	1418402_at	0.008531	316.33	468.33	Adam19	NM_009616	NM_009616
1575	1452201_at	0.008535	194.93	381.93	2310047B19Rik	BC019749	XM_150151
1576	1416972_at	0.008548	4446.17	5618.73	Nhp2l1	NM_011482	NM_011482
1577	1450007_at	0.008548	1304.97	1861.63	1500003O03Rik	NM_019769	NM_019769
1578	1424421_at	0.008549	555.93	683.87	Flad1	BC006806	NM_177041
1579	1415699_a_at	0.008554	2873.1	3765.5	Gps1	BC003350	NM_145370
1580	1428180_at	0.008554	677.43	785.2	2810422J05Rik	AK013135	---
1581	1451067_at	0.008563	2135.4	3415.83	Sgta	BC003836	NM_024499
1582	1452958_at	0.008584	2127.37	2698.8	2900006N09Rik	AK013495	NM_028386
1583	1422186_s_at	0.008589	1128.77	1383.73	Cyb5r3	NM_029787	NM_029787
1584	1418522_at	0.008596	882.43	1074.3	Mtx1	NM_013604	NM_013604
1585	1453324_at	0.0086	532.93	675.07	6330509M23Rik	BF459399	---
1586	1446048_at	0.0086	450.73	752.6	Cdh11	BG072720	NM_009866
1587	1448571_a_at	0.008624	391.6	543.33	Gmfb	BG228815	NM_022023
1588	1450039_at	0.008652	698.13	987.47	Usp9x	AW107303	NM_009481
1589	1424115_at	0.008657	1993.93	2510.63	Ppp5c	BC003744	NM_011155
1590	1442824_at	0.008663	32.17	58.7	8030497I03Rik	BB071501	---
1591	1435986_x_at	0.008673	1043.37	1152.33	Sdhc	AW107712	NM_025321
1592	1422321_a_at	0.008678	252.2	562.3	Zfp162	NM_011750	NM_011750
1593	1433324_at	0.008686	72.83	112.27	9330154F10Rik	AK020373	---
1594	1415814_at	0.008699	10682.8	13571.8	Atp6v1b2	NM_007509	NM_007509
1595	1440570_at	0.008717	77.63	124.8	A930031L14Rik	BB309408	XM_485569
1596	1450640_x_at	0.008719	9235.73	12218.7	Atp5k	NM_007507	NM_007507
1597	1417263_at	0.008743	139.13	291.6	Ptgs2	M94967	NM_011198

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1598	1441333_at	0.008754	29.8	71.97	Trps1	BB485544	NM_032000	
1599	1415717_at	0.008759	1705.73	1987.4	4931406I20Rik	BI735988	NM_025739	
1600	1433764_at	0.00876	769.43	1131.3	Clec2l	BB026221	XM_355753	
1601	1416932_at	0.008762	436	619.6	Cog2	BC011435	NM_029746	
1602	1426277_at	0.008784	296.07	369.57	C730025P13Rik	BC022606	NM_177344	
1603	1433468_at	0.008785	745.47	1022.23	6430527G18Rik	BB770958	NM_145836	
1604	1423808_at	0.008806	202.93	279.57	Wdr79	BC021790	NM_144824	
1605	1416291_at	0.008822	1770.17	2106	Psmc4	NM_011874	NM_011874	
1606	1448971_at	0.008822	420.3	664.63	2410022L05Rik	NM_025556	NM_025556	
1607	1454828_at	0.008834	438.73	511.1	AI790205	AV024996	NM_178760	
1608	1423786_at	0.008839	507.47	600.57	8430410A17Rik	BC024401	NM_173737	
1609	1442933_at	0.008859	180.03	211.17	6230415M23Rik	BB046659	---	
1610	1460341_at	0.008864	6142.67	7311.13	Plekhb2	AF189817	NM_145516	
1611	1418080_at	0.008871	1177.23	1529.03	B4galt2	AW125856	NM_017377	
1612	1441089_at	0.008871	169.73	247.4	Eif2c3	BB205493	NM_153402	
1613	1450143_at	0.008879	1698.63	2934.73	Rasgrp1	BB354696	NM_011246	
1614	1435976_at	0.008882	265.8	489.73	---	AW542521	---	
1615	1417472_at	0.008887	298.3	484.2	Myh9	NM_022410	NM_022410 /// NM_181327	
1616	1428408_a_at	0.008896	470.43	613.57	D12Ertd551e	BI102044	NM_028731	
1617	1449066_a_at	0.008907	1011.67	1297.57	Arhgef7	NM_017402	NM_017402	
1618	1421090_at	0.008932	2158.43	2965.8	Epb4.1l1	NM_013510	NM_001003815 /// NM_001006664 /// NM_013510	
1619	1418743_a_at	0.008942	362.07	555.93	MGI:1930803	NM_021344	NM_021344	
1620	1417065_at	0.00895	11183.97	15992.4	Egr1	NM_007913	NM_007913	
1621	1423040_at	0.008975	1685	2347.83	Bzw1	AV144956	NM_025824	
1622	1425111_at	0.008975	294.3	418.4	Sorcs3	AK018111	NM_025696	
1623	1448428_at	0.008988	348.8	556.7	Nbl1	NM_008675	NM_008675	
1624	1447874_x_at	0.008992	224.6	314.03	Smpd1	BB049112	NM_011421	
1625	1419617_at	0.009006	205.13	250.77	Kcnn1	NM_032397	NM_032397	
1626	1460653_at	0.009008	386.73	565.37	Sca2	NM_009125	NM_009125	
1627	1451369_at	0.009025	414.57	657.07	Commd5	BC025891	NM_025536	
1628	1425611_a_at	0.009029	607.43	924.47	Cutl1	AA023906	NM_009986 /// NM_198602	
1629	1450519_a_at	0.009036	2203.47	2723.53	Prkaca	M12303	NM_008854	
1630	1417179_at	0.00904	4206.13	4982.37	Tspan5	NM_019571	NM_019571	
1631	1438164_x_at	0.00905	3525.9	3788.67	Flot2	BB118974	NM_008028	
1632	1452747_at	0.009054	330.13	537.63	Atp13a2	BM944122	NM_029097	
1633	1448156_at	0.009065	519.63	987.57	Tff1	NM_009362	NM_009362	
1634	1428621_a_at	0.009075	1052.73	1243.03	Vps25	AK003715	NM_026776	
1635	1449460_at	0.009075	536.07	640.57	Asb13	AF403041	NM_080857 /// NM_178283	
1636	1426118_a_at	0.009085	1206.37	1437.2	Tomm40	AF109918	NM_016871	
1637	1421340_at	0.009086	408.77	561.5	Map3k5	NM_008580	NM_008580	

Table 8

1638	1448553_at	0.009098	297.03	Myh7	NM_080728	NM_080728
1639	1422977_at	0.009104	506.[illegible]	Gplbb	NM_010327	NM_001001999 /// NM_010327
1640	1424141_at	0.009105	[illegible]	Hectd1	BC010205	XM_354671
1641	1427023_at	0.009116	3068.8	Phyhipl	AI267048	NM_178621
1642	1429306_at	0.009119	102.1	Zic3	AK007657	NM_026963
1643	1456785_at	0.009119	671.[illegible]	Sp2	BQ175889	NM_012005
1644	1422677_at	0.009123	678.5[illegible]	Dgat2	AK002443	NM_026384
1645	1460169_a_at	0.009132	3205.[illegible]	Pctk1	NM_011049	NM_011049
1646	1455571_x_at	0.009151	2261[illegible]	Calm1	AV015462	NM_009790
1647	1425629_a_at	0.009152	735.87	Hol6	AF361078	NM_139236 /// NM_139237
1648	1448112_at	0.009179	11127.27	Cox7c	NM_007749	NM_007749
1649	1428132_at	0.009193	312.57	Cdc42se1	AK008084	NM_172395
1650	1430615_at	0.009199	139	LOC545577	AK014905	XM_619971
1651	1436299_at	0.009203	924.17	Gls	BE373308	XM_129846
1652	1420828_s_at	0.009227	9029.23	Ywhaq	NM_011739	NM_011739
1653	1452105_a_at	0.00923	792.[illegible]	Tsc2	BB759096	NM_011647
1654	1448351_at	0.009234	[illegible]	Coro1b	NM_011778	NM_011778
1655	1421528_a_at	0.009247	438.83	Surf5	NM_011513	NM_001033908 /// NM_011513
1656	1455943_at	0.009249	622.73	Zfp451	BB421061	NM_133817
1657	1417308_at	0.009251	[illegible]	Pkra2	NM_011099	NM_011099
1658	1416535_at	0.009256	1538.43	Mcrs1	BC003746	NM_016766
1659	AFFX-BioB-5_at	0.009262	[illegible]	bioB	AFFX-BioB-5	---
1660	1447219_at	0.009274	[illegible]		BQ031470	
1661	1451143_at	0.009286	394.47	1110006G06Rik	BC023421	NM_028661
1662	1428120_at	0.009307	357.37	Fbxw9	AK003747	NM_026791
1663	1455328_at	0.009313	701.5[illegible]	Accn2	BQ176072	NM_009597
1664	1428101_at	0.009343	1086.27	Rnf38	AK011864	NM_175201
1665	1426458_at	0.009353	200.67	Slmap	BB473571	NM_032008
1666	1416819_at	0.009354	3154.8	Cdc37	AK013255	NM_015742
1667	1441899_x_at	0.009371	4869[illegible]	Bean	BB335613	NM_007529
1668	1435460_at	0.009394	[illegible]	Prkg2	BB363188	NM_008926
1669	1417653_at	0.009407	2507.47	Pvalb	NM_013645	NM_013645
1670	1417295_at	0.009413	752.63	Mta1	NM_054081	NM_054081
1671	1450005_x_at	0.009441	366.17	Egfl9	NM_134120	NM_134120 /// NM_207666
1672	1451476_at	0.009441	592.53	Zdhhc8	BC004683	NM_172151
1673	1455354_at	0.009452	481.53	Wdr22	BG061773	NM_177267
1674	1450122_at	0.009455	352.63	Ptprg	NM_008981	NM_008981
1675	1428017_at	0.009458	398.3[illegible]	Pknox2	AF487460	NM_001029838 /// NM_148950
1676	1436665_a_at	0.009458	[illegible]	Ltbp4	BB554226	NM_175641
1677	1452101_at	0.009458	1000.47	Blmh	BB215260	NM_178645

Table 8

1678	1437023_at	0.009462	393.13	429.73	Zfp12	BQ176333	NM_177681
1679	1457840_at	0.009469	163.63	251.93	Plxna4	BG073521	NM_175750
1680	1428667_at	0.00948	669.37	760.07	Maoa	AW986246	NM_173740
1681	1431997_at	0.009486	2481.7	2766.67	3000002C10Rik	AK013857	XM_486264
1682	1420934_a_at	0.009488	390.37	471.47	Srrm1	NM_016799	NM_016799
1683	1431030_a_at	0.009509	1464.57	1752.03	Rnf14	AK010162	NM_020012
1684	1454056_at	0.009517	206.5	281	9030407P20Rik	AK018490	---
1685	1453932_at	0.009526	121.17	204.3	4931433A01Rik	AK016502	XM_485427
1686	1428718_at	0.009537	1440.77	1682	Scrn1	AW490544	NM_027268
1687	1458421_at	0.009539	218.7	259.13	Kcnq3	AW494964	NM_152923
1688	1415834_at	0.009543	1529.27	2288.23	Dusp6	NM_026268	NM_026268
1689	1425212_a_at	0.009543	343.63	568.2	Tnfrsf19	AF167554	NM_013869
1690	1434261_at	0.009552	747.73	992.27	Sipa1l2	AV228782	XM_146572
1691	1424441_at	0.009557	1586.33	1951.07	Slc27a4	BC023114	NM_011989
1692	1427922_at	0.009561	182.83	250.17	2310061C15Rik	AW045976	NM_026844
1693	1454206_a_at	0.009562	181.67	393.73	Adam15	AK020649	NM_009614
1694	1457968_at	0.009562	43.97	108.93	Tmem23	BI499880	NM_144792
1695	1455873_a_at	0.009577	453.13	700.9	Vps18	BB313038	NM_172269
1696	1455369_at	0.009586	2683.03	3670.4	Apba1	BQ174146	NM_177034
1697	1424138_at	0.009622	285.1	372.33	Rhbdf1	BC027346	NM_010117
1698	1426710_at	0.009655	15393.43	23171.07	Calm3	BB396904	NM_007590
1699	1422461_at	0.009659	319.13	407.67	Atad3a	NM_133233	NM_179203
1700	1442752_at	0.009669	244.07	401.57	---	BE650754	---
1701	1423973_a_at	0.009699	9129	11881.73	Arf3	BC024935	NM_007478
1702	1428247_at	0.009704	1336.13	1425.37	2310075A12Rik	BI081895	NM_178027
1703	1423140_at	0.009708	140.1	165.67	Lip1	AI596237	NM_021460
1704	1437882_s_at	0.009708	116.93	148.97	3110048L19Rik	AV376276	NM_176962
1705	1450436_s_at	0.009708	1642.7	2118	Dnajb5	AI664344	NM_019874
1706	1436286_at	0.009713	84.53	196.47	B830017H08Rik	BB333971	NM_001002790
1707	1439705_at	0.009729	114.57	210.8	Ptpn12	BM239037	NM_011203
1708	1457177_at	0.009733	153.9	267.3	---	BB050663	---
1709	1435965_at	0.009765	930.2	1330.67	Cnot3	AI481951	NM_146176
1710	1450413_at	0.00977	181.37	287.73	Pdgfb	BC023427	NM_011057
1711	1431946_a_at	0.009779	835.67	1057.57	Apba2bp	AK013520	NM_021546
1712	1452663_at	0.009783	920.73	1170	1110030H18Rik	AK003981	NM_026805
1713	1451312_at	0.00979	4026.97	4588.47	Ndufs7	BC013503	NM_029272
1714	1460554_s_at	0.009793	1654.87	2075.23	Glg1	BB795216	NM_009149
1715	1427646_a_at	0.009798	575.43	831.63	Arhgef2	X95761	NM_008487
1716	1442163_at	0.009799	161.77	232.03	Hace1	BG070640	NM_172473

Table 8

1717	1458075_at	0.00981	216.87	301.53	Dst	BB350401	NM_010081 /// NM_133833 /// NM_134448
1718	1436026_at	0.009814	957.63	1092.7	MGI:2662729	BI558298	---
1719	1416749_at	0.00982	3936.23	4630.83	Htra1	NM_019564	NM_019564
1720	1449646_s_at	0.009823	561.4	795.87	Tigd5	AI666797	NM_178646
1721	1451768_a_at	0.009829	309.3	610.5	Slc20a2	AF196476	NM_011394
1722	1429591_at	0.009862	301.17	385.5	Tacc1	BE862546	NM_177089 /// NM_199323
1723	1417949_at	0.009867	670.17	932.8	Ilf2	NM_026374	NM_026374
1724	1426727_s_at	0.00987	553.07	719.2	Ppp1r10	BC004771	NM_175934 /// XM_622225
1725	1416934_at	0.009884	163.43	192.57	Mtm1	NM_019926	NM_019926
1726	1448209_a_at	0.009906	6196.4	9305.27	Slc22a17	NM_021551	NM_021551
1727	1427966_at	0.009908	370.17	446.73	BC087945	AW551849	NM_001013792
1728	1419198_at	0.009913	182.2	207.03	Cbx8	AI428839	NM_013926
1729	1416004_at	0.009935	16385.67	21679.5	Ywhah	NM_011738	NM_011738 /// XM_619940
1730	1441063_at	0.009937	130.27	178.23	Eif2c3	BB229155	NM_153402
1731	1416241_at	0.009939	813.77	1057.43	Sec13l1	NM_024206	NM_024206
1732	1426128_a_at	0.009948	[illegible]	1399.83	Kcng2	AB000502	NM_001003824 /// NM_001003825 /// NM_001006668 /// NM_001006669 /// NM_001006674 /// NM_001006675 /// NM_001006676 /// NM_001006677 /// NM_001006678 /// NM_001006679 /// NM_001006680 /// NM_010611
1733	1438206_a_at	0.009952	1300.93	1519.23	2610042O14Rik	AI266964	NM_025575
1734	1425975_a_at	0.009955	2891.5	3726.13	Mapk8ip3	AF178636	NM_013931
1735	1441554_at	0.009957	53.53	125.77	4833446K15Rik	BB463760	[illegible]
1736	1415932_x_at	0.009958	3447.63	4464.03	Atp9a	NM_015731	NM_015731
1737	1417882_at	0.009971	357.93	652.93	Slc39a3	AV369681	NM_134135
1738	1425660_at	0.009973	1112.4	1379.6	Btbd3	BC018174	NM_001025431 /// NM_145534
1739	1428121_at	0.009973	2075.07	2716.33	2610528K11Rik	AK012178	NM_175184
1740	1432748_at	0.009975	27.13	70.87	4933403J19Rik	AK016636	

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%Monocular deprivation

%Upregulated in short

%Significance criterion = 0.01

%

1	1416094_at	0.00	[illegible]	409.57	Ptger3	[illegible]	[illegible]
2	1452318_a_at	0.000003	535.07	184.37	Hspalb	M12573	NM_010478
3	14[illegible]	[illegible]	[illegible]	[illegible]	Rps6ka5	[illegible]	[illegible]
4	1455145_at	0.000004	[illegible]	[illegible]	Trio	[illegible]	[illegible]
5	1417[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	1434539_at	0.000008	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	1434977_at	0.000008	239.43	169.3	[illegible]	[illegible]	[illegible]
8	1434141_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	1426951_at	0.000013	1013.9	[illegible]	Crim1	[illegible]	[illegible]
10	1447277_s_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	1415971_at	0.00	[illegible]	418.67	Marcks	[illegible]	[illegible]
12	1418574_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	1419442_at	0.00	[illegible]	[illegible]	Matn2	[illegible]	[illegible]
14	1436824_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	1455620_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	1438423_at	0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	1438835_a_at	0.000026	4461.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	1417077_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	1437993_x_at	0.000028	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	1452869_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	1423831_at	0.00	[illegible]	[illegible]	Prkag2	[illegible]	[illegible]
22	1424604_s_[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	1434581_at	0.000041	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	1452114_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	1459717_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	1455627_at	0.000047	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	1451434_s_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]	XM_152907
28	1454711_at	0.000052	1631.[illegible]	[illegible]	Trio	[illegible]	[illegible]
29	1452908_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]M_147419 /// XM_623014
30	1450344_a_at	0.00	[illegible]	[illegible]	Ptger3	[illegible]	[illegible]M_011196
31	1447655_x_at	0.000057	558.73	368[illegible]	Sox6	[illegible]	[illegible] /// NM_001025560 /// NM_011445
32	1415855_at	0.000058	2660.43	1450.07	Kitl	BB815530	NM_013598
33	1434416_a_at	0.00006	1066.47	759.87	---	BB022975	[illegible]
34	1423759_a_at	0.000062	2157.37	1688.23	Tmcol	BC020098	NM_026881
35	1452709_at	0.000064	1765.13	1527.47	Poldip3	[illegible]	[illegible]

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Table 9

36	1449181_at	0.000066	1775.87	1286.5	Fech	NM_007998	NM_007998
37	1440148_at	[illegible]	[illegible]	147.17	Gpr6	[illegible]	[illegible]
38	1436459_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	1438971_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	1428493_at	[illegible]	[illegible]	543.33	[illegible]	[illegible]	[illegible]
41	1436185_at	0.000078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	1435554_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	1440187_at	0.000081	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	1456480_at	0.000081	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	1423069_at	0.000082	[illegible]	[illegible]	Adnp	[illegible]	[illegible]
46	1433901_at	0.000089	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	1434283_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	1424413_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	1433667_at	0.000094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	1435095_at	0.000094	1894.[illegible]	478.23	[illegible]	[illegible]	[illegible]
51	1455503_at	0.000095	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	1416390_at	0.000097	259.67	[illegible]	Rcbtb2	[illegible]	[illegible]
53	1438232_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	1420318_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	1452222_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	1436182_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	1427153_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	1421594_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	1427126_at	0.00011	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	1436534_at	0.000112	1756.73	1271.[illegible]	[illegible]	[illegible]	[illegible]
61	1415764_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
62	1440545_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NM_198322
64	1429002_at	0.000116	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
65	1434890_at	0.000116	5877.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
66	1437163_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
67	1426459_s_at	[illegible]	[illegible]	937.5	[illegible]	[illegible]	[illegible]
68	1418469_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
69	1428193_at	0.000126	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
70	1434736_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
71	1421175_at	0.000128	5271.03	[illegible]	[illegible]	[illegible]	[illegible]
72	1437635_at	0.000134	1242.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
73	1434877_at	[illegible]	[illegible]	[illegible]	Nptx1	[illegible]	[illegible]
74	1455720_at	0.000139	[illegible]	[illegible]	Adamts2	[illegible]	[illegible]
75	1439606_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
76	1436234_at	0.000146	494.03	283.6	[illegible]	[illegible]	[illegible]
77	1424707_at	0.000147	[illegible]	[illegible]	Tmed10	[illegible]	[illegible]

Table 9

78	1442867_at	0.000151	850.07	581.07	2410080H04Rik	BQ174216	NM_172522
79	[illegible]	[illegible]	[illegible]754.3	[illegible]083.3	[illegible]adps	N[illegible]61	[illegible]61
80	1438633_x_at	0.000154	[illegible]	[illegible]	[illegible]aspl	B[illegible]6	[illegible]M_01[illegible]
81	1423597_at	0.000157	3038.[illegible]	[illegible]169.[illegible]	Atp[illegible]	B[illegible]4	[illegible]M_00[illegible]
82	1418160_at	0.000164	70.0[illegible]	[illegible]krn3	[illegible]46	N[illegible]46	
83	1426994_at	[illegible]1	[illegible]	[illegible]	[illegible]C0246[illegible]	[illegible]M 12[illegible]	
84	1436842_at	0.000175	[illegible]	[illegible]	[illegible]D07Rik	AV[illegible]6	[illegible]2772
85	1435511_at	0.00[illegible]	[illegible]272.27	[illegible]82[illegible]	Syn[illegible]	[illegible]M898[illegible]	[illegible]M 01[illegible]
86	1449023_a_at	0.00[illegible]	[illegible]67.5[illegible]	[illegible]44[illegible]	[illegible]zh1	N[illegible]70	N[illegible]70
87	1435698_at	0.000185	[illegible]	[illegible]	[illegible]921505[illegible]	B[illegible]4	[illegible]0168
88	1454609_x_at	0.000187	1164.13	[illegible]	[illegible]64[illegible]G18Rik	[illegible]B770[illegible]	[illegible]M_14[illegible]
89	1457275_at	0.000187	807.[illegible]	[illegible]85.3[illegible]	[illegible]mn	[illegible]3	[illegible]M_[illegible]12 /// [illegible]20163[illegible]
90	1456028_x_at	[illegible]8	[illegible]	2[illegible]	M[illegible]	B[illegible]0	[illegible]838
91	1460363_at	0.00019	[illegible]15.6[illegible]	[illegible]nr[illegible]	B[illegible]2	[illegible]51	
92	1451075_s_at	0.000191	[illegible]	[illegible]	[illegible]tdsp2	[illegible]B2[illegible]3	[illegible]6012
93	1429085_at	[illegible]3	[illegible]	8[illegible]	V[illegible]z[illegible]V30885[illegible]	[illegible]M_01[illegible]	
94	1457424_at	[illegible]3	[illegible]	[illegible]	[illegible]B7600[illegible]	[illegible]M_010[illegible]	
95	1434075_at	[illegible]1	[illegible]	[illegible]	[illegible]C03033[illegible]	[illegible]V3742[illegible]	[illegible]M_13[illegible]
96	1434205_at	0.00[illegible]	[illegible]411.[illegible]	[illegible]6[illegible]	[illegible]pp2r5[illegible]	[illegible]M2473[illegible]	[illegible]M_01[illegible]
97	1435818_at	0.000206	5[illegible]	[illegible]52.6[illegible]	[illegible]	[illegible]B[illegible]2	
98	1439263_at	0.000208	[illegible]	[illegible]	[illegible]B3883[illegible]	[illegible]M_008[illegible]	
99	1428505_at	0.00[illegible]	[illegible]018.[illegible]	[illegible]34	[illegible]	[illegible]K0093[illegible]	[illegible]M_02[illegible]
100	1428715_at	0.000216	1718.[illegible]	[illegible]294.[illegible]	[illegible]8[illegible]A[illegible]	A[illegible]1	
101	1434640_at	0.000219	1717.63	[illegible]m12[illegible]	[illegible]BF46391[illegible]	[illegible]M_0010[illegible]	
102	1437559_at	0.00[illegible]	[illegible]170.[illegible]	[illegible]948.0[illegible]	[illegible]13Bwg[illegible]	[illegible]B1308[illegible]	[illegible]M_02[illegible]
103	1424186_at	0.00[illegible]	[illegible]035.[illegible]	[illegible]22.8[illegible]	[illegible]61000[illegible]	[illegible]8	[illegible]639
104	1428113_at	0.000224	1514.[illegible]	[illegible]073.[illegible]	[illegible]93[illegible]	B[illegible]4	[illegible]851
105	1456107_x_at	0.00[illegible]	[illegible]728.[illegible]	[illegible]0[illegible]	E[illegible]	[illegible]5	[illegible]131
106	1416814_at	[illegible]9	[illegible]109.07	[illegible]ia1	[illegible]2	[illegible]85	
107	1429178_at	0.000233	[illegible]	[illegible]	C[illegible]B47250[illegible]	[illegible]M_[illegible]57	
108	1421074_at	[illegible]9	[illegible]	5[illegible]	C[illegible]	N[illegible]25	[illegible]25
109	[illegible]4	[illegible]2	[illegible]24.9	[illegible]	[illegible]C02314[illegible]	[illegible]M_0290[illegible]	
110	1434[illegible]	[illegible].000[illegible]	[illegible]36.03	[illegible]	A[illegible]2[illegible]6		
111	1435822_at	[illegible]8	[illegible]	[illegible]	[illegible]830012[illegible]	[illegible]3	
112	1454941_at	0.000244	[illegible]	[illegible]	[illegible]m[illegible]	[illegible]M20707[illegible]	[illegible]M 00[illegible]
113	1427680_a_at	0.00[illegible]	[illegible]709.[illegible]	[illegible]377.5	[illegible]07687	[illegible]M_00[illegible]	
114	1427526_at	[illegible]3	[illegible]31.53	[illegible]2	A[illegible]0	[illegible]8	
115	1428369_s_at	0.00[illegible]	[illegible]972.[illegible]	[illegible]8[illegible]	A[illegible]1	[illegible]6	[illegible]33
116	1443931_at	0.000262	120.9	61.3	[illegible]	[illegible]5	
117	1456685_at	0.00[illegible]	[illegible]34.7	[illegible]	[illegible]B2271[illegible]	[illegible]M_008[illegible]	
118	1454846_at	0.00[illegible]	[illegible]14.2	[illegible]	[illegible]tp15	[illegible]4	[illegible]18
119	1430526_a_at	[illegible]9	[illegible]	[illegible]123.67	[illegible]marca[illegible]	[illegible]K011[illegible]	[illegible]M_011416 /// NM_026003

Table 9

120	1433856_at	0.000266	440.53	282.57	AW555814	AW555814	NM_173760
121	1418087_at	[illegible]	[illegible]	[illegible]	Ufdl1	[illegible]	[illegible]
122	1455214_at	0.000268	278.37	[illegible]	Mitf	[illegible]	[illegible]
123	1416156_at	0.000269	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
124	1421323_[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
125	1427075_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
126	1448875_at	0.000272	[illegible]	[illegible]	Zhx1	[illegible]	[illegible]
127	1422798_at	0.000277	[illegible]	[illegible]	Cntnap2	[illegible]	[illegible]
128	1419246_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
129	1433596_at	0.000283	8039.[illegible]	[illegible]	Dnajc6	[illegible]	[illegible]
130	1448493_at	0.000284	[illegible]	[illegible]	Paip2	[illegible]	[illegible]
131	1438658_a_at	[illegible]	[illegible]	[illegible]	Edg3	[illegible]	[illegible]
132	1426628_at	[illegible]	[illegible]	[illegible]	Tmem34	[illegible]	[illegible]
133	1434369_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
134	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
135	1440084_at	0.000289	637.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
136	1450724_at	0.000295	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
137	1448248_at	[illegible]	[illegible]	[illegible]	Crk	[illegible]	[illegible]
138	1428629_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
139	1421075_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
140	1418942_at	0.000307	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
141	1418018_at	0.000311	[illegible]	[illegible]	Cpd	[illegible]	[illegible]
142	1427984_at	0.000311	314.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
143	1423259_at	0.000314	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
144	1439189_at	0.000314	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
145	1436350_at	0.000316	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
146	1437380_x_at	[illegible]	[illegible]	[illegible]	Pgd	[illegible]	[illegible]
147	1460577_at	0.000318	1270.07	[illegible]	[illegible]	[illegible]	[illegible]
148	1423383_a_[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
149	1423201_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
150	1428231_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
151	1435190_at	0.00033	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
152	1452258_at	0.000334	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
153	1434521_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
154	1453061_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
155	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
156	1426961_at	0.000337	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
157	1452241_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
158	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
159	1417051_at	0.000344	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
160	1437765_at	0.000348	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
161	1440215_at	0.000351	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 9

162	1427266_at	0.000353	978.17	649.87	2610016F04Rik	BG065752	XM_619217
163	1448584_at	0.000356	738.1	516.23	Rsrc1	NM_025822	NM_025822
164	1417865_at	0.000359	1451.17	1041.73	Tnfaip1	AK004593	NM_009395
165	1436452_x_at	0.000363	6429.87	5819.67	Tmed2	AW824211	NM_019770
166	1451189_at	0.000363	934.8	579.37	Zswim1	BC025184	NM_028028
167	1451190_a_at	0.000363	1337.97	819.17	Sbk1	BC025837	NM_145587
168	1426682_at	0.000369	2506.2	1845.5	Cnot6	BM940481	NM_212484
169	1439153_at	0.000369	1448.83	1076.73	Ibrdc2	AV274826	NM_146042
170	1448788_at	0.000371	2802.8	2343.23	Cd200	AF004023	NM_010818
171	1415745_a_at	0.000373	986.47	743.53	Dscr3	NM_007834	NM_007834
172	1424020_at	0.000376	393.77	187.3	Arl6ip6	BB837198	NM_022989
173	1434179_at	0.000378	1062.8	775.43	Mll3	AV297525	XM_355579
174	1435694_at	0.000378	1789.07	1117.27	Arhgap26	BB127065	NM_175164
175	1454704_at	0.000379	5478.57	4909.63	Scarb2	BI106458	NM_007644
176	1442180_at	0.000379	445.9	284.73	Dleu7	BB382040	NM_173419
177	1424586_at	0.000381	1627.33	1277.97	Ehbp1	AF424697	NM_153078
178	1455537_at	0.000382	1503.67	956.4	6430547I21Rik	BI734045	---
179	1441224_at	0.000386	1144.17	804.43	---	BB394637	---
180	1427384_at	0.00039	733.13	574.23	Chd6	BB529459	NM_173368
181	1457423_at	0.000391	2943.77	1984.73	A930012M17	AI849508	XM_484423
182	1459838_s_at	0.000393	1062.9	798.47	Btbd11	BB230894	NM_001017525 /// NM_028709
183	1426301_at	0.000395	2686.5	1821	Alcam	U95030	NM_009655
184	1434558_at	0.000395	3605.2	2922.43	Wdr47	BG075633	NM_181400
185	1420870_at	0.000402	768.53	493.97	Mllt10	BB353133	NM_010804
186	1421840_at	0.000403	2014.43	1076.23	Abca1	BB144704	NM_013454
187	1426815_s_at	0.000411	1090.7	902.03	AU024582	BM248309	NM_153125
188	1417847_at	0.000416	2902.67	2271.97	Ulk2	NM_013881	NM_013881
189	1455377_at	0.000417	4785.7	4257.23	4921517B04Rik	BB795572	XM_357332
190	1423747_a_at	0.000418	700.73	472.27	Pdk1	BC027196	NM_172665
191	1457409_at	0.000418	4681.1	3009.6	Fut9	BB484070	NM_010243
192	1415770_at	0.000419	3728.8	1822.8	Wdr6	NM_031392	NM_031392
193	1457072_at	0.000422	1273.1	738.83	Bcl11a	BF731393	NM_016707
194	1455799_at	0.000424	3599.17	2256.67	Rorb	BB751387	NM_146095
195	1449490_at	0.000425	496.4	334.43	Mbd4	AF072249	NM_010774
196	1434864_at	0.000429	1723.77	1287.1	Nipal	BB326329	NM_153578
197	1419402_at	0.000431	84	64.4	Mns1	NM_008613	NM_008613
198	1433508_at	0.000435	1277.5	775.73	Copeb	AV025472	NM_011803
199	1454901_at	0.000435	1253.23	1042.23	6430570G24	BG069663	---
200	1416919_a_at	0.000439	219.13	149.03	Nphp1	NM_016902	NM_016902
201	1436153_a_at	0.000441	5113.33	3524	Zmynd11	BB561053	NM_144516
202	1424891_a_at	0.000442	512.8	394.2	ZW10	BC012435	NM_012039
203	1428915_at	0.000445	374.67	271.7	Sirt	AK002609	NM_178848

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204	1429166_s_at	0.000445	660	316.8	Clmn	AW494443	NM_053155
205	1450712_at	0.000446	2970.67	1851.37	Kcnj9	NM_008429	NM_008429
206	1448765_at	0.000447	1670.2	1299.37	Fyn	NM_008054	NM_008054
207	1429461_at	0.000447	809.03	566.9	2810417D08Rik	AK013101	NM_027421
208	1437807_x_at	0.000449	1986.43	1256.7	Ctnnal	BB066232	NM_009818
209	141644 θ]at	0.000453	2849.4	1764.4	Cd164	NMJD16898	NMJ316898
210	1452664_a_at	0.000453	1028.37	724.93	Tm7sf3	AK010720	NM_026281
211	1421064_at	0.000454	558.1	392.73	Mpp5	AW258373	NM_019579
212	1434645_at	0.000459	1161.03	737.97	C530008M17Rik	BB493717	XM_287460
213	1439014_at	0.000466	1174.27	747.93	A430031N04	BB703667	NM_177718
214	1426852_x_at	0.000468	5467.13	3603.03	Nov	X96585	NM_010930
215	1439024_at	0.000469	1650.13	1336.57		BB082119	
216	1419256_at	0.00047	4586.37	3403.37	Spπb2	BM213516	NMJD09260 /// NM_175836
217	1452733_at	0.000471	661.03	509.43	Pank2	BG068794	HMJL53501
218	1434881_s_at	0.000478	1331.3	836.17	Kctdl2	BM220945	NM_177715
219	1420827_a_at	0.00048	4131.7	2807.6	Ccngl	BG065754	NM_009831
220	1455826_a_at	0.000482	2063.53	1266.37	Bacel	BB114336	NM~011792
221	1437783_x_at	0.000483	2656.87	1918.87	Tmem4	BM570679	NMJ319953
222	1416041_at	0.000488	4271.8	2560.33	Sgk	NM_011361	HM_011361
223	1435805_at	0.000494	4012.2	3240.27	Lin7a	AV287586	XM_193582
224	1449861_at	0.000501	437.87	341.83	Nek4	BP181187	NM_011849
225	1439872_at	0.000501	2675	2146.03		BQ175171	
226	1436948_a_at	0.000502	416.63	188.27	6430550H21Rik	BB520013	NM_172930
227	1451222_at	0.000506	2167.5	1707.53	Btf3l4	AK011367	NM_027453
228	1455389_s_at	0.000507	1777	1386.53	2310051F07Rik	AI415536	
229	1417010_at	0.000509	12201.13	10356.67	Zfp238	NM_013915	NM_001012330 /// NM_013915
230	1434633_at	0.000513	1271.87	1012.93	Crebbp	BG076163	NM_001025432
231	1423958_a_at	0.000515	1928.1	1473	2900001004Rik	BC017533	NM_026213
232	1420494_x_at	0.000517	8316.8	5717.7	Ubbcc	BC000066558800	NM_019639
233	1449089_at	0.000513	1822.13	1290.57	Nrriippll	NM_00088773355	NM_173440
234	1417182_at	0.000522	1033.77	868.7	Dnaja2	C77509	NM_019794
235	1435050_at	0.000522	3514.83	2652.23	D10Bwgl379e	BB353607	XM_125524
236	1428531_at	0.000523	1112.8	675.17	5930412E23Rik	BB457797	NM_178632
237	1440759_at	0.000527	3334.27	2616.4		BB321369	
238	1431167_at	0.000529	1363.43	913.07	Dgkg	AI646503	NM_138650
239	1415973_at	0.000534	5044.07	3626.77	Marcks	AW546141	NMJ308538
240	1437466_at	0.00054	2625.03	2098.13	Alcam	AV315205	NM_009655
241	1436027_at	0.000543	545.97	431.17	Oebplll	BM220135	NM_176840
242	1449718_s_at	0.000547	128.77	86.93	4930453N24Rik	AI649104	XM_148353
243	1450769_s_at	0.000547	176.6	115.8	Stard	BI076697	HM_023377
244	1436424_at	0.000547	502.37	348.4	1600020E01Rik	BG070208	XM_489143
245	1439808_at	0.000549	5895.77	4588.03	A130090K04Rik	BQ176089	

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246	1422032_a_at	0.000553	4114.2	3464.77	[illegible]	NM_022985	NM_022985
247	1435964_a_at	0.00	490.	[illegible]	[illegible]	[illegible]	[illegible]
248	1415794_a_at	0.00	052.	[illegible]	[illegible]	[illegible]	[illegible]
249	1455033_at	0.000565	1477.07	[illegible]	[illegible]	[illegible]	[illegible]
250	1456700_x_at	0.00	074	[illegible]	[illegible]	[illegible]	[illegible]
251	1416429_a_at	0.000568	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
252	1455169_at	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
253	1416329_at	0.000571	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
254	1436883_at	0.00	229.	[illegible]	[illegible]	[illegible]	[illegible]
255	1452898_at	0.00	21.9	[illegible]	[illegible]	[illegible]	[illegible]
256	1418039_at	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
257	1437236_a_at	0.000588	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
258	1433864_at	0.000588	1618	212	[illegible]	[illegible]	[illegible]
259	1420630_at	0.00	046.	37	[illegible]	[illegible]	[illegible]
260	1434641_x_at	0	782.	2	[illegible]	[illegible]	[illegible]
261	1448224_at	0.00059	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
262	1449527_at	0.00	16.07	54	[illegible]	[illegible]	[illegible]
263	1433702_at	0.000593	1633.5	1118.	[illegible]	[illegible]	[illegible]
264	1454805_at	0.00	601.	310.67	[illegible]	[illegible]	[illegible]
265	1459659_at	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
266	1443847_x_at	0.00	15.6	[illegible]	[illegible]	[illegible]	[illegible]
267	1455460_at	0.000598	1458.07	[illegible]	[illegible]	[illegible]	[illegible]
268	1416007_at	0.000603	5201.27	4010.	[illegible]	[illegible]	[illegible]
269	1455388_at	0.000605	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
270	1455696_a_at	0.00	75.8	[illegible]	[illegible]	[illegible]	[illegible]
271	1438353_at	0.00	42.7	50.	[illegible]	[illegible]	[illegible]
272	1417129_a_at	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
273	1452996_a_at	0.00	52.	[illegible]	[illegible]	[illegible]	[illegible]
274	1455297_at	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
275	1437992_x_	.00	659.4	[illegible]	[illegible]	[illegible]	[illegible]
276	1449094_at	0.000641	417.	65.2	[illegible]	[illegible]	[illegible]
277	1455346_at	0.00	50.2	29.7	[illegible]	[illegible]	[illegible]
278	1453006_at	0.000642	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
279	1456349_x_at	0.00	947.	6	[illegible]	[illegible]	[illegible]
280	1438969_	0///	250.	722.57	[illegible]	[illegible]	[illegible]
281	1418318_at	0.00	56.	36.2	[illegible]	[illegible]	[illegible]
282	1451989_a_at	0.000652	15014	632	[illegible]	[illegible]	[illegible]
283	1439950_at	0.00	64.	3	[illegible]	[illegible]	[illegible]
284	1450123_at	5	[illegible]	1	[illegible]	[illegible]	[illegible]
285	1444517_at	5	24.6	[illegible]	[illegible]	[illegible]	[illegible]
286	14	0///	537.	24	[illegible]	[illegible]	[illegible]
287	1426799_at	0.000662	2219.83	[illegible]	[illegible]	[illegible]	[illegible]

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288	1455445_at	0.000664	52.87	14.13	Cbln3	BB800230	NM_019820
289	1428414_at	0.000665	105.8	49.7	5730405I09Rik	AK017493	NM_026484
290	1423686_a_at	0.000671	1362.57	1161.97	1110020C13Rik	BC016234	NM_025385
291	1438255_at	0.000673	701.97	515.87	Ches1	BM196962	NM_183186
292	1439244_a_at	0.000675	1371.17	1024.1	Tnrc6a	BB822587	XM_486002
293	1436426_at	0.000676	541.1	331.13	5730509K17Rik	BF464165	NM_172274
294	1456119_at	0.000678	1462.57	1056.47	Grm5	AV334671	XM_149971
295	1419420_at	0.000679	1350.17	1192.93	St6galnac5	NM_012028	NM_012028
296	1434172_at	0.000681	4652.93	3088.37	---	BQ177934	---
297	1439616_at	0.000682	407.3	251.13	---	BB167055	---
298	1453309_at	0.000682	138.27	92.43	9330179D12Rik	BB749938	---
299	1423682_a_at	0.000683	335.47	244.13	Sfrs10	BM238387	NM_009186
300	1448939_at	0.000683	679.9	366.63	Usp25	NM_013918	NM_013918
301	1427185_at	0.000688	3165.57	2504.6	Mef2a	AV255689	NM_001033713
302	1437594_x_at	0.00069	80.7	47.27	Pigt	BB183385	XM_284454
303	1438320_s_at	0.000694	541.17	414.37	Cdh2	BC022107	NM_007664
304	1436596_at	0.000701	669.77	495.37	Ncoa1	NM_010881	NM_010881
305	1428853_at	0.000705	1222.03	921.2	Ptch1	BG071079	NM_008957
306	1426884_at	0.000706	3588.17	2819.87	1110007A06Rik	BG795169	NM_024288
307	1434674_at	0.00072	1146.17	780.9	Lyst	BB463428	NM_010748
308	1434384_at	0.00072	2133.5	1490.33	2210010L05Rik	BP225441	NM_133829 /// NM_178081
309	1455398_at	0.000726	1023.93	767.97	Lrrc8c	BB333759	NM_133897
310	1424463_at	0.000729	3857.3	3232.53	Nrip1	BB764550	NM_173440
311	1422497_at	0.000731	1785.73	1355.73	Slc30a5	NM_022885	NM_022885
312	1419668_at	0.000733	1643.2	1141.97	Sgcb	AK014381	NM_011890
313	1417848_at	0.00074	1573.93	1222.07	MGI:2180715	AW413620	NM_133218
314	1418594_a_at	0.000743	3418.43	2614.67	H2afv	BG092470	XM_126043
315	1449244_at	0.000744	1547.13	1176.6	Mcm7	BB464359	NM_008568
316	1433634_at	0.000744	2354.83	1478.47	Irf2bp2	BB376188	NM_133779
317	1428622_at	0.000755	892.27	439.5	Depdc	AK014624	NM_145470
318	1425484_at	0.000758	667.33	320.07	Tox	BB547854	NM_145711
319	1427432_a_at	0.000758	2844.67	2130.33	Cdca4	AF322238	NM_028023
320	1452616_s_at	0.00076	1019.17	739.3	Ssbp1	BG073014	NM_028358 /// NM_212468
321	1418083_at	0.000763	1669.47	1323.57	0610009B22Rik	NM_025319	NM_025319
322	1417846_at	0.000765	1475.97	1239.3	Ulk2	NM_013881	NM_013881
323	1455647_at	0.000768	846.33	732.73	Ar	BB148302	NM_013476
324	1452251_at	0.000772	6721.57	5207.43	Nbea	AA986379	---
325	1437476_at	0.000777	710	488.4	Rrm2b	BB470755	NM_199476
326	1419249_at	0.000778	4577.93	3958.23	Pftk1	AI327038	NM_011074
327	1437593_x_at	0.000782	5492.1	3747.5	Api5	BB449248	NM_007466
328	1451611_at	0.000789	460.4	296.97	Hrasls3	BC024581	NM_139269
329	1417323_at	0.000791	732.53	479.87	Psrc1	NM_019976	NM_019976

Table 9

330	1436859_at	0.000792	1146.83	693.2	2700007P21Rik	AV342631	NM_001025102 /// NM_173750
331	1436522_at	0.000795	244.07	179.73	0610025L06Rik	BE948629	NM_172397
332	1428517_at	0.000796	3393.63	2470.77	Wdfy3	AK012075	NM_172882
333	1425274_at	0.000797	488.57	384.53	Asph	AF289490	NM_023066 /// NM_133723
334	1456108_x_at	0.000797	2230.87	1191.47	Wsb1	BC019601	NM_019653
335	1434132_at	0.0008	1751.13	1408.6	A330008L17Rik	BB129921	NM_175479
336	1460292_a_at	0.000801	765.27	588.8	Smarcal	[illegible]	NM_053123
337	1416008_at	0.000803	3173	2455.6	Satb1	AV172776	NM_009122
338	1422880_at	0.000818	1767.33	1360.13	Ndrg1	AV309418	NM_010884
339	1450021_at	0.000819	9386	7179.07	Ubqln2	AV171029	NM_018798
340	1435030_at	0.000823	1646.6	1125.83	Upf2	AA538567	XM_140801
341	1441054_at	0.000829	244.5	151.67	Apol2	BB312717	XM_139463
342	1426992_at	0.000834	3046.93	2516.2	Xpr1	AV337591	NM_011273
343	1452353_at	0.000834	1146.37	839.03	Gpr155	BB762731	XM_130346
344	1451221_at	0.000838	939.47	711.6	[illegible]	BC018507	XM_358313
345	1417355_at	0.000839	5200.53	3503.2	Peg3	AB003040	XM_001010988 /// NM_008817
346	1450732_a_at	0.000839	1787.97	1188.33	Fcmd	AV365405	NM_139309
347	1438572_at	0.000839	406.2	295.8	Csmd3	AV327842	XM_139502
348	1451074_at	0.000849	3046.33	2353.1	Rnf13	AF037205	NM_011883
349	1455362_at	0.000851	388.57	248.97	Angel2	AV275390	NM_021421
350	1428167_a_at	0.000856	461.03	190.77	---	AU067808	---
351	1417825_at	0.00086	2898	2480.73	Esd	NM_016903	NM_016903
352	1457733_at	0.00086	1162.77	678.77	Mpzl1	AK003513	NM_001001880
353	1423462_at	0.000863	2042.33	1401.17	Map3k7ip2	BM213179	NM_138667
354	1419047_at	0.000866	859.97	727.03	Pcnx	BG073499	NM_018814
355	1452265_at	0.000868	3206.3	2321.17	Clasp1	AJ288061	---
356	1435801_at	0.000872	1285.1	1025.37	Bicd2	NM_029791	NM_029791
357	1425682_a_at	0.000876	1505.17	1007.03	1810034M08Rik	BC027162	NM_176842
358	1430295_at	0.000876	357.47	289.47	Gnai3	BG094302	NM_010303
359	1423645_a_at	0.00088	9666	7929.1	Ddx5	BC009142	NM_007840
360	1454752_at	0.000886	849.57	566.4	AI606861	AV307961	[illegible]
361	1418693_at	0.00089	2303.23	1847.5	LOC329893 /// Hnrpc	[illegible]	NM_016884 /// XM_620084
362	1455294_at	0.000892	464.53	345.17	1110029L17Rik	BB765875	[illegible]
363	AFFX-PyruCarbMur/L09192_3_at	0.000894	856.87	677.9	Pcx	AFFX-PyruCarbMur/L09192_3	NM_008797
364	1456174_x_at	0.000895	1049.53	750.87	Sypl	BE333485	NM_013635 /// NM_198710
365	1434335_at	0.000898	2532.27	2202.97	AI317237	BB795504	NM_172819
366	1457480_at	0.000901	184.6	162.07	Rnf3	BG075606	NM_172716
367	1439870_at	0.000909	347.33	168.87	E430025E21Rik	BE648090	NM_153548
368	1425241_a_at	0.000912	1211.23	768.37	Zfp179	BB546771	NM_009548
369	1428334_at	0.000913	2220.9	1844	Ostm1	AK004546	NM_172416
370	1415948_at	0.000914	808	576	Creg1	BC027426	NM_011804
371	1456614_at	0.000916	703.9	472.13	Acn9	BF122715	XM_355744

Table 9

372	1423740_a_at	0.000918	1708.23	1183.53	Rbm10	BE553944	NM_145627
373	1417377_at	0.00092	3867.[illegible]	3034.73	Igsf4a	NM_018770	NM_001025600 /// NM_018770 /// NM_207675 /// NM_207676
374	1415708_at	0.000921	2323.57	1843.07	AI316828	D50523	NR_002321 /// NR_002322
375	1433544_at	0.000921	1858.23	1404.33	Als2cr2	BB277912	NM_172656 /// NM_173155
376	1422052_at	0.000923	1311.67	896.5	Cdh8	NM_007667	NM_007667
377	1436051_at	0.000923	5275	4415.23	9630007J19Rik	BQ174518	
378	1417674_s_at	0.000926	1479.[illegible]	1211.03	Golga4	NM_018748	NM_018748
379	1436920_at	0.000936	689.87	338.3	Pcdh17	BQ176938	NM_001013753
380	1417384_at	0.000938	362.63	264.6	Entpd5	NM_007647	NM_001026214 /// NM_007647
381	1455342_at	0.000938	2264	1779.8	A230083H22Rik	BM232965	
382	1418664_at	0.000939	812.6	582.4	Mpdz	AK019164	NM_010820
383	1417765_a_at	0.00094	376.03	226.97	Amy1	NM_007446	NM_007446
384	1458351_s_at	0.000949	1617.83	1164.87	Klhl2	BB428573	NM_178633
385	1451804_a_at	0.000958	647.63	498.43	Lrrc1	BC012229	NM_026825
386	1440803_x_at	0.00096	278.63	157.87	Tacr3	BB498416	NM_021382
387	1455150_at	0.000961	704.2	429.9	BB038506		
388	1424680_at	0.000966	173.8	105.6	BB146404	BC025893	NM_178908
389	1425914_a_at	0.000967	2241.33	1771.8	Armcx1	BC021410	NM_030066
390	1452740_at	0.000969	5611.6	4838.67	Myh10	BQ176159	NM_175260
391	1444690_at	0.00097	1576.57	1140.6	Epha5	BE951744	NM_007937
392	1455014_at	0.000971	2728.23	2038.23	AV009015	BM213104	
393	1438988_x_at	0.000997744	1116699.9933	790.	Hn1	AV067695	NM_008258
394	1449583_at	0.000976	618.33	454.43	Pcdhb20	NM_053145	NM_053145
395	1429146_at	0.000977	1613.63	1026.33	6620401M08Rik	BF011349	XM_489178
396	1437521_s_at	0.000989	2272.53	1447.27	E230022H04Rik	BB312224	NM_153515
397	1434187_at	0.000999977	1033.79	755.73	AI849156	AW121238	NM_183142
398	1435016_at	0.000998	2766.07	2433.23	Als2cr3	BB795263	NM_172406
399	1445679_at	0.000998	3181.17	2433.87	BP458407		
400	1423200_at	0.000999	2497.03	2006.97	Ncor1	U22016	NM_011308
401	1454617_at	0.000999	946.9	540.7	Arrdc3	BG072824	NM_178917
402	1416967_at	0.001003	1904.93	1214.57	Sox2	U31967	NM_011443
403	1455340_at	0.001006	2773.97	2303.3	3010003L21Rik	BB763709	NM_175404
404	1428080_at	0.001007	1961.1	1698.63	2610528A17Rik	BC021317	NM_028273
405	1441259_s_at	0.001007	1097.57	647.63	Wdr10	C86139	NM_[illegible]
406	1458114_at	0.001007	458.17	346.93	Samdl2	AV347618	
407	1438505_s_at	0.001009	2756.67	1898	Rnasen	BB462178	NM_026799
408	1443855_at	0.001011	1562.63	1168.97	Kcnc1	BB130746	NM_008421
409	1455161_at	0.001016	1935.03	1390.83	AI504432	BB202185	NM_173787
410	1455757_at	0.001018	1946.13	1508.17	LOC241944	AU067741	XM_143175
411	1423328_at	0.001029	4434	3456.9	Gdap1	AU017649	NM_010267

Table 9

412	1429210_at	0.001034	145.83	94.57	Col23a1	BE290548	NM_153393
413	1438462_x_at	0.001035	445.37	341.23	[illegible]	[illegible]	NM_015753
414	1426698_a_at	0.001036	984.23	673.63	Hnrpm	AK011521	NM_029804
415	1452089_at	0.001039	2206.2	1721.6	Cacnb4	AW106929	NM_146123
416	1424872_at	0.001042	[illegible]	597.87	2310001H12Rik	BC012405	XM_620240
417	1437455_a_at	0.001042	627.57	454.73	Btg1	AW322026	NM_007569
418	1418883_a_at	0.001045	5532.17	5128.2	Pabpc1	NM_008774	NM_008774
419	1419872_at	0.001049	4216.33	3278.23	Csf1r	AI323359	NM_007779
420	1450771_at	0.001053	932.83	486.57	Fut9	NM_010243	NM_010243
421	1420872_at	0.001056	8381.1	7082.1	Gucy1b3	BF472806	NM_017469
422	1439732_at	0.001059	865.87	579.8	[illegible]	BB129764	[illegible]
423	1449351_s_at	0.001065	264.9	171.2	Pdgfc	NM_019971	NM_019971
424	1418430_at	0.001072	4266.4	2946.67	Kif1b	BI328541	NM_008448
425	1451317_at	0.001078	1705.13	1360.27	Ythdf2	BB455932	NM_145393
426	1456509_at	0.001081	1002.83	563.2	1110032F04Rik	BB382807	XM_485253
427	1451736_a_at	0.001086	2605	1965.77	Map2k7	AW541674	NM_011944
428	1454834_at	0.001086	1795.87	1476.3	Nfib	BI687652	NM_008687
429	1422725_at	0.001093	180.37	96.63	Mak	BG069426	NM_008547
430	1460509_at	0.001094	741.87	422.97	B3galtl	AK018190	NM_020283
431	1423591_at	0.001097	4115.43	2954.93	Fgfr1op2	AK004662	NM_026218
432	1435138_at	0.001112	2652.57	2191.4	Tmem28	AV016797	NM_028793
433	1428287_at	0.001121	816.6	622	Cul5	BB702110	NM_027807
434	1428236_at	0.001127	3099.3	2108.87	Acbd5	AK005001	NM_173446
435	1456633_at	0.001131	662.57	487.87	Trpm3	BB313276	NM_177341
436	1455437_at	0.001135	2415	1683.37	BC033915	AV369969	NM_027498
437	1449628_s_at	0.001139	3777.83	3316.67	Stard7	AI852671	NM_139308
438	1419165_at	0.00114	2369.27	1469.93	Zfp260	D45210	NM_011981
439	1417221_at	0.001141	327.73	235.9	[illegible]	BC008595	NM_008910
440	1456056_a_at	0.001143	3377.07	2678	D6Wsu116e	AV338866	NM_026585
441	1429201_at	0.001146	1473.6	991.27	Cyld	AK013508	NM_173369
442	1453162_at	0.001148	265	165.63	Utp11l	AK008801	NM_026031
443	1435048_at	0.001153	459.4	343.43	[illegible]	AI854703	NM_177737
444	1454806_at	0.001154	3341.83	2494.83	D12Ertd553e	AV228737	NM_029758
445	1454952_s_at	0.001158	583.37	475.1	B130055D15Rik	BG069311	NM_178113
446	1423899_at	0.001161	995.33	777.03	Trip12	BG923744	NM_133975
447	1438838_at	0.001161	613.9	296.53	B230206F22Rik	BG141977	[illegible]
448	1450738_at	0.001166	2793.9	2250.13	Kif21a	NM_016705	NM_016705
449	1450664_at	0.001169	1919.67	1018.53	Gabpa	NM_008065	NM_008065
450	1434724_at	0.001169	1295.83	981.67	Usp31	BE986792	XM_357781
451	1448299_at	0.001172	2841.8	2340.77	Slc1a1	NM_009199	NM_009199
452	1418822_a_at	0.001182	2377.07	1965.8	Arf6	BI248938	NM_007481
453	1422748_at	0.001182	1330.97	783.5	Zfhx1b	BB752997	NM_015753

Table 9

454	1418271_at	0.001185	6780.37	4601.27	Bhlhb5	NM_021560	NM_021560
455	1455434_a_at	0.00119	2114.3	1454.9	Ktn1	BF162017	NM_008477
456	1426412_at	0.001209	1326.3	747.63	Neurod1	BM116592	NM_010894
457	1459897_a_at	0.00121	872.93	535.57	MGI:2446326	AI507307	NM_172205
458	1454824_s_at	0.001211	710.37	416.27	Mcus1	BB699957	NM_001005863 /// NM_001005864 /// NM_001005865 /// NM_178902
459	1423711_at	0.001218	978.23	780.23	Ndufaf1	BC018422	NM_027175
460	1441165_s_at	0.001225	4199.6	3381.37	Clstn2	AI448973	NM_022319
461	1429000_at	0.001226	862.07	568.27	Phf3	AK010013	XM_129836
462	1438430_at	0.001234	736.57	605.9	Hbp1	AW536702	NM_153198 /// NM_177993
463	1451310_a_at	0.001235	5602.67	4589.7	Ctsl	J02583	NM_009984
464	1447825_x_at	0.001239	4445.2	2283.03	Pcdh8	BB076893	NM_021543
465	1455272_at	0.001251	3759.9	2671.3	Grm5	BB429139	XM_149971
466	1428388_at	0.001254	4269.3	3098.43	Tnks2	BB339554	XM_129246
467	1435464_at	0.001254	2054.23	1618.13	1110003E01Rik	BB701294	NM_133697
468	1436200_at	0.001265	688.27	463.23	Lonrf3	BE956940	NM_028894
469	1450102_a_at	0.001269	3276.93	2641.3	Amfr	NM_011787	NM_011787
470	1422697_s_at	0.001274	866.83	699.9	Jarid2	NM_021878	NM_021878
471	1454809_at	0.001279	2279.53	1664.47	Ncoa7	BE686893	NM_172495
472	1427127_x_at	0.001281	475.9	222.93	Hspa1b	M12573	NM_010478
473	1456069_at	0.001281	1626.57	968.6	Dtna	BM117918	NM_010087 /// NM_207650
474	1416221_at	0.001282	840.27	575.8	Fstl1	BI452727	NM_008047
475	1433951_at	0.001285	3779.07	2845.93	Arl5	BG064956	NM_182994
476	1450071_at	0.001286	1594.83	1237.87	Ash1l	BG694892	NM_138679
477	1452065_at	0.001288	3397.07	1886.7	BC027127	BB085570	NM_145967
478	1438412_at	0.001288	549.2	456.2	Phf17	BM119726	NM_172303
479	1436982_at	0.001297	1517.67	1190.1	Tnrc6b	BB788270	NM_144812 /// NM_177124
480	1440346_at	0.001305	406.07	255.63	Jmjd3	BG228765	NM_001017426
481	1452654_at	0.001306	2027.83	1340.43	Zdhhc2	BB224658	NM_178395
482	1438292_x_at	0.001316	4949.23	3507.13	Adk	BB559878	NM_134079
483	1447693_s_at	0.001319	2237.23	1651.5	Neo1	BB350308	NM_008684
484	1460588_at	0.001329	494.17	270.8	---	BE457506	---
485	1421786_at	0.001333	496.17	304.2	Ppp3r1	NM_024459	NM_024459
486	1435618_at	0.001334	1774.33	1387.9	Pnma2	BB473446	NM_175498
487	1415800_at	0.001337	6532.17	5297.9	Gja1	M63801	NM_010288
488	1428656_at	0.00134	1471.9	1175.23	Rnasen	BG072418	NM_026799
489	1426743_at	0.001342	2073.4	1757.17	MGI:2384914	BC002232	NM_145220
490	1428474_at	0.001345	447.83	244	Ppp3cb	AK004360	NM_008914
491	1423310_at	0.001346	456.43	284.9	Tpbg	BQ177165	NM_011627
492	1436420_a_at	0.001347	1505.5	1260.93	Ipo4	BB390936	NM_024267
493	1451077_at	0.001354	1398.6	950.33	Rpl5	BM114165	NM_016980 /// XM_619552 /// XM_619607 /// XM_619831 /// XM_620340

Table 9

494	1434468_at	0.001361	1183.43	877.73	Otud4	BM238914	XM_194424
495	1426366_at	[illegible]	1166.[illegible]	964.73	Eif2c2	[illegible]	[illegible]
496	1456557_at	0.00[illegible]	[illegible]80.1	[illegible]	[illegible]	[illegible]	[illegible]
497	1437533_at	0.00[illegible]	[illegible]845.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
498	1434113_a_at	0.001[illegible]	[illegible]	[illegible]54.53	[illegible]	[illegible]	[illegible]
499	1424591_at	0.001368	473.1	[illegible]	[illegible]	[illegible]	[illegible]
500	1428138_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
501	1452049_at	0.001[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
502	1454687_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
503	14[illegible]_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
504	1428219_at	0.00[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
505	1426760_at	0.001398	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
506	1416131_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
507	1453125_at	0.001402	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
508	1435233_at	0.00[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
509	1436317_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
510	1459765_s_[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
511	1452773_at	0.001416	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
512	1429022_at	0.001421	1530.63	[illegible]	Adcyap1[illegible]	[illegible]	[illegible]
513	1428877_at	0.001426	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
514	1426983_at	0.00[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
515	1419181_at	0.00[illegible]	[illegible]	[illegible]	Zfp326	[illegible]	[illegible]
516	1429145_at	0.001436	417.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
517	1435308_at	0.001439	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
518	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
519	1452718_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
520	1433867_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
521	1417196_s_at	0.001[illegible]	[illegible]	13.33	[illegible]	[illegible]	[illegible]
522	1427448_at	0.001447	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
523	1456112_at	0.001449	1761.67	[illegible]	[illegible]	[illegible]	[illegible]
524	1419[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
525	1442077_at	0.001452	268.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
526	1435337_at	0.001457	1703.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
527	1424588_at	0.00[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
528	1427640_a_at	0.00[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
529	1448376_at	0.001473	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
530	1435203_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
531	1439107_a_at	0.00[illegible]	[illegible]879.[illegible]	[illegible]125.7	[illegible]	[illegible]	[illegible]
532	1432103_a_at	[illegible]	[illegible]	[illegible]545.33	[illegible]	[illegible]	[illegible]
533	1434648_a_at	0.00[illegible]	[illegible]198.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
534	1428884_at	0.00[illegible]	[illegible]283.[illegible]	[illegible]118.4	[illegible]	[illegible]	[illegible]
535	1433925_at	0.00[illegible]	[illegible]855.[illegible]	[illegible]482.57	[illegible]	[illegible]	[illegible]

Table 9

536	1433570_s_at	0.001503	917	704.33	Mak10	NM_030153
537	1433488_x_at	0.00				
538	1419645_at					
539	1455923_at	0.00151	311.			
540	1423278_at					
541	1437675_at	0.00				
542	1427060_at	0.001521				
543	1452737_at	0.001528				
544	1454670_at	0.001536				
545	1438976_x_at	0.00				
546	1450937_at	0.00				
547	14					
548	1425580_a_at	0.001551				
549	1433858_at	0.001551	696.1	599.		
550	1438610_a_					
551	1424594_at					
552	1435437_at	0.00				
553	1427274_at	0.00				
554	1419639_at					
555	1426377_at	0.001575	1006.			
556	1427371_at	0.001577	128.5			
557	1452792_at	0.00158				
558	1439527_at	0.00158				
559	1456761_at	0.00				
560	1428552_at	0.001581				
561	1424738_at					
562	1438451_at	0.00				
563	1434427_a_at	0.00159	3249.			
564	1429081_at	0.001621				
565	1437937_at	0.001623	392.4			
566	1429017_at	0.00				
567	1428982_at	0.00163				
568	1434760_at	0.00163				
569	1423033_at	0.00				
570	1427032_at	0.001634				
571	1423350_at	0.001635				
572	1452870_at	0.001637				
573	1455825_s_at					
574	1457990_at	0.001649				
575	1455009_at	0.001652				
576	1455316_x_at	0.00				
577	1443836_x_at					

Table 9

578	1429861_at	0.001658	3252.1	2623.7	Pcdh9	BQ177394	XM_139187
579	1433623_at	0.001662	1077.87	696.23	Zfp367	BE629588	NM_175494
580	1439884_at	0.001666	411.27	290.4	Nudt16	AI851783	NM_029385
581	1421292_a_at	0.00167	1320.77	1112.97	A730008L03Rik		NM_021393
582	1428252_at	0.001673	1943.63	1364.27	Chmp2b	AA881383	NM_026879
583	1460555_at	0.001674	1862.57	1242.97	6330500D04Rik	BM242294	NM_178658
584	1415947_at	0.001686	990.27	811.03	Creg1	BC027426	NM_011804
585	1452368_at	0.001687	1046.77	813.77	Bcr	AI853148	XM_125706
586	1434728_at	0.001693	4309.47	3425.3	[illegible]	BM220576	[illegible]
587	1428760_at	0.001694	1785.53	1365.97	Snapc3	AW537061	NM_029949
588	1426083_a_at	0.001695	2457.03	1481.07	Btg1	L16846	NM_007569
589	1455928_x_at	0.001708	3390.07	2354.1	Lztr1	BB114402	NM_025808
590	1451475_at	0.00171	1433.93	1138.27	Plxnd1	BC019530	NM_026376
591	1448884_at	0.001712	849.97	726.07	Gtf2e2	NM_026584	NM_026584
592	1428561_at	0.001716	2858.83	2507.83	2610002J23Rik	AK011292	XM_485063
593	1448958_at	0.001717	616.53	380.73	MGI:1929890	NM_022329	NM_022329
594	1454652_at	0.001717	4634.73	4090.13	Zfp265	AV221867	NM_017381
595	1418330_at	0.00172	1594.87	1199.97	Ctcf	BB836888	NM_007794 /// NM_181322
596	1458842_at	0.001723	759.4	581.2	---	AV340888	---
597	1415981_at	0.001726	2153.83	1535.87	5031400M07Rik	AV258950	NM_020586
598	1439012_a_at	0.001728	1573.8	1149.17	Dck	BB030204	NM_007832
599	1434493_at	0.001733	449.5	268.67	1810022K09Rik	BG092222	---
600	1448343_a_at	0.001739	4092.3	3251.63	Nbr1	NM_008676	NM_008676
601	1455267_at	0.00174	919.93	640.63	Esrrg	BM120846	NM_011935
602	1427150_at	0.001751	602.43	454.67	M113	BC022622	XM_355579
603	1439271_x_at	0.001755	2925.73	2103	Ik	AV255179	NM_011879
604	1436771_x_at	0.001756	846.33	661.13	Pgd	BB314208	XM_622094
605	1455706_at	0.001757	353.93	102.5	Stxbp4	BG245414	NM_011505
606	1450642_at	0.001762	3566.37	2199.77	3110001I20Rik		NM_133725
607	1447448_s_at	0.001763	665.33	418.93	---	C86813	---
608	1456226_x_at	0.001764	3507.77	1562.57	Ddr1	BB234940	NM_007584
609	1437027_x_at	0.001769	5405.43	4753	Rnps1	AV307521	NM_009070
610	1417707_at	0.00177	[illegible]	[illegible]	B230342M21Rik	NM_133898	NM_133898
611	1445703_at	0.00177	[illegible]	[illegible]	[illegible]	AI848149	[illegible]
612	1452224_at	0.001788	[illegible]	[illegible]	Morc3	BC026506	XM_489605 /// XM_622709
613	1450435_at	0.001791	3244	2472.77	L1cam	NM_008478	NM_008478
614	1423144_at	0.001794	576.9	488.77	Pik3ca	AI528567	NM_008839
615	1434450_s_at	0.001794	2614.93	2064.27	---	BG073639	---
616	1437878_s_at	0.001797	3087.13	1852.93	D3Ertd789e	BB711506	NM_026222
617	1436570_at	0.001798	1019.47	797.8	---	BG143461	---
618	1434497_at	0.001799	1599.57	1107.33	---	BB754142	---
619	1455584_at	0.001804	2714.8	1605.57	Sdf4	BG064675	NM_011341

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620	1423084_at	0.001806	468.67	264.47	B3galt2	BB223909	NM_020025
621	1433575_at	0.001811	[illegible]	[illegible]	[illegible]	BG083485	NM_009238
622	1441214_at	0.001812	165[illegible]	1006.[illegible]	Exph5	BQ176550	NM_176846
623	1437115_at	0.001815	630.6	513.[illegible]	[illegible]	BG073405	XM_133935
624	1435176_a_at	0.0[illegible]	[illegible]	[illegible]	Id2	BF019883	NM_010496
625	1439630_x_at	0.00[illegible]	306.47	532.83	MGI:2446326	AI844734	NM_172205
626	1436821_at	0.001823	[illegible]	[illegible]	Plcxd3	BB293136	NM_177355
627	1417695_a_at	0.0[illegible]	243.[illegible]	[illegible]	Soat1	BG064396	NM_009230
628	1429918_at	0.0[illegible]	1581	1243.[illegible]	Arhgap20	AK018317	NM_175535
629	1432538_a_at	0.0[illegible]	[illegible]	[illegible]	Rfc3	AK013095	XM_132528
630	1426457_at	0.0[illegible]	526.[illegible]	[illegible]	Slraap	BB473571	NM_032008
631	1427456_at	0.0018[illegible]	[illegible]	[illegible]	Wdfy3	BF150771	NM_172882
632	1459104_at	0.001846	[illegible]	[illegible]	[illegible]	NM_009774	
633	1438039_at	0.001849	1266.5	905.07	Hectd1	BE630599	XM_354671
634	1433832_at	0.00185[illegible]	1042.93	622.53	Unc84b	BB355934	NM_194342
635	1416474_at	0.001857	1122.97	648.83	Nope	NM_020043	NM_020043
636	1436156_at	0.001861	1169.43	847.5	Ccar1	AW538049	NM_026201
637	1437687_x_at	0.001872	1289.23	804.93	Fkbp9	BB026630	NM_012056
638	1425067_at	0.001875	472.1	431.87	Celsr3	AP427498	NM_080437
639	1433978_at	0.001879	421.57	307.57	4930430F08Rik	BG073646	NM_175128
640	1448246_at	0.00188	659.8	539.37	Hdac1	NM_008228	NM_008228
641	1454631_at	0.001882	1100.03	755.5	6330549H03Rik	BI689897	
642	1435984_at	0.001883	192.63	121.73	1110033F14Rik	AI450803	
643	1449303_at	0.001884	2400.9	1806.87	Sesn3	NM_030261	NM_030261
644	1415920_at	0.001888	5131.33	3898.27	Cstf2t	NM_031249	NM_031249
645	1457034_at	0.00189	668.37	545.4	D14Abb1e	BM209908	XM_621365
646	1427269_at	0.001891	854.43	676.9	Sfrs11	AW261583	NM_026989
647	1449579_at	0.001891	564.97	378.57	Sh3yl1	NM_013709	NM_013709
648	1426489_s_at	0.001892	1077.13	869.73	Bfar	AK013874	NM_025976
649	1452158_at	0.001903	860.27	497.5	Eprs	BM238943	XM_129647
650	1436921_at	0.001908	286.33	173.13	Atp7a	BG072708	NM_009726
651	1458440_at	0.001912	611.9	492.67	Specc1	BB827631	NM_001029936
652	1451240_a_at	0.001915	3077.67	2042.9	Glo1	BC024663	NM_025374
653	1438306_at	0.001918	[illegible]	480.8	Rnf180	AV340072	XM_127534
654	1454926_at	0.001922	5018	3622.83	4930544G21Rik	AV327549	NM_172430
655	1435781_at	0.001923	1068	848.97	Cand1	BB380335	XM_125901
656	1453067_at	0.001927	1119	967.73	2610040C18Rik	AU043467	NM_027263
657	1429476_s_at	0.001931	7922.8	7008.4	Dnaja2	BG063818	NM_019794
658	1437225_x_at	0.001932	141.77	86.5	Gnai3	BB782705	NM_010306
659	1452608_at	0.001947	185.[illegible]	94.37	Mycbp	BB046347	NM_019660
660	1437152_at	0.001949	1054.03	586.2	Rkhd3	BG072837	XM_620516
661	1436226_at	0.001957	3058	2373.6	Tceb1	AI891570	NM_026456

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662	1435267_at	0.001958	1536.8	1196.4	A430108E01Rik	BB041868	---
663	1438236_at	0.00196	509.13	328.33	Nfia	BB485864	NM_010905
664	1433986_at	0.001965	10852.23	9559.43	BC024659	AV152395	XM_488673
665	1418245_a_at	0.001967	2421.27	1842.97	Rbm9	BG277926	NM_053104 /// NM_175387
666	1460601_at	0.001969	2205.5	1674.27	Myrip	BB429683	NM_144557
667	1435167_at	0.001976	763.67	586.3	Ranbp6	AW108431	NM_177721
668	1436483_at	0.001982	4585.03	2851.43	Mytl1	BM116113	NM_008666
669	1438641_x_at	0.001982	2670.93	1800.5	1500016O10Rik	BB391156	XM_133706 /// XM_622417
670	1448653_at	0.001986	824.17	626.53	Eed	U97675	NM_021876
671	1457059_at	0.001987	223.97	134.83	B830013J05Rik	BB333562	NM_178722
672	1455222_a_at	0.001995	1911.6	1267.9	Ubpl	BB550053	NM_013699
673	1423902_s_at	0.002002	3251.47	2674.17	Arhgef12	AF467766	NM_027144
674	1448780_at	0.002002	712.03	482.57	Slc12a2	BG069505	NM_009194
675	1430037_at	0.002022	992.57	769.13	Snx27	AK017836	XM_131051
676	1438258_at	0.002023	1662.97	1148.97	Vldlr	BE647363	NM_013703
677	1435174_at	0.002024	1038.17	686.23	Rsbn1	AW546080	NM_172684
678	1426976_at	0.002025	2259.6	2002.7	Usp47	BG069271	NM_133758
679	1423275_at	0.002033	865.47	653.77	Ddx26	BB381966	NM_008715
680	1427882_at	0.002033	317.17	261.67	4930588M11Rik	AK016368	NM_153806
681	1445723_at	0.002034	225.23	168.87	Akr1b3	BB451636	NM_009658
682	1433738_at	0.002039	1642.17	1254.27	5730445M16Rik	AV315131	XM_134422
683	1437002_at	0.002041	1069.57	834.2	C030011O14Rik	BB303443	NM_174868
684	1426685_at	0.002043	1548.97	1131.93	Cnot6	BM940481	NM_212484
685	1428099_a_at	0.002043	3174.2	2320.63	Sfrs1	BF147037	NM_173374
686	1420376_a_at	0.002047	4510.33	3519.23	H3f3b	NM_008211	NM_008211
687	1426877_a_at	0.002049	1716.13	1041.4	2610016F04Rik	AK020971	XM_619217
688	1457218_at	0.002052	3003.53	2377.6	6430510M02Rik	BB296225	NM_176932
689	1447522_s_at	0.002064	6150.57	3992.77	Tnks2	AI662480	XM_129246
690	1424824_at	0.002069	1233.07	710.9	9630044O09Rik	BB704967	NM_198014
691	1438098_at	0.002075	271.73	198.43	Dlgap1	BB124990	NM_027712 /// NM_177639
692	1449446_at	0.002077	332.63	274.17	D10Ertd718e	BC027401	NM_025602
693	1435207_at	0.002081	2169.03	1403.67	Dixdc1	BB758432	NM_178118
694	1455046_a_at	0.002082	1119.23	736.13	Pogz	BI250645	NM_172683
695	1438628_x_at	0.002083	1172.33	594.93	Cntn3	BB559510	NM_008779
696	1424674_at	0.002084	1863.23	1229.6	Slc39a6	BB825002	NM_139143
697	1433490_s_at	0.00209	1880.73	1496.8	Epb4.1l2	BE951907	NM_013511
698	1455052_a_at	0.002101	5143.1	4056.33	2410129H14Rik	BI153133	NM_175245
699	1417665_a_at	0.002104	1151.8	939.07	Cpsf1	NM_053193	NM_053193
700	1437576_at	0.002105	216.3	152.43	2810427A07Rik	C76158	
701	1453070_at	0.002105	522	368.93	Pcdh17	BB305930	NM_001013753
702	1443904_at	0.002107	441.83	282.43	Fads6	BE996238	NM_178035
703	1435930_at	0.002111	1242.97	1071.63	Zfp291	BQ175997	XM_620753

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704	1453593_at	0.002113	125.63	56.97	1700110N18Rik	BG066866	XM_283372
705	1434735_at	0.002116	3053.77	1897.9	Hlf	BB744589	NM_172563
706	1451202_at	0.002117	1619.53	1234.17	C330007P06Rik	BC021479	XM_135837
707	1448849_at	0.002121	895.23	737.87	Mrpl40	NM_010922	NM_010922
708	1438029_at	0.002127	678.97	496.97	4930535B03Rik	BB817800	XM_485279
709	1450053_at	0.002128	2630.43	2538.23	Kif2a	NM_008442	NM_008442
710	1433852_at	0.002128	3084.53	2885.5	C330002I19Rik	BG075834	XM_126866
711	1443849_x_at	0.002135	1854	1497.07	Urod	AV292769	NM_009478
712	1435486_at	0.002137	3195.27	2394.07	Pak3	BQ175796	NM_008778
713	1438709_at	0.002138	101.77	60.6	D11Ertd498e	BB044002	NM_145940
714	1434108_at	0.002140	2343.67	1652.2	Fbxo11	BM250164	XM_110248
715	1455156_at	0.002144	5799.27	5550.07	Strn	BG519214	NM_011500
716	1430999_a_at	0.002154	2415.33	1910.83	Scoc	BM932452	NM_019708
717	1442994_at	0.002154	468.23	260.27	C330002I19Rik	BQ177195	XM_126866
718	1453078_at	0.002157	1240.2	894.77	B430408J07Rik	AK018397	
719	1455334_at	0.002161	544.03	398.83	C85843	BG067299	
720	1426604_at	0.002164	245	172.43	Rnasel	BF714880	NM_011882
721	1452053_a_at	0.002164	1761.73	1288.57	Tmem33	BB771960	NM_028975 /// NM_030108
722	1455141_at	0.002164	948.57	568.4	Tnrc6a	BI080625	XM_486002
723	1435487_at	0.002172	370.73	288.83	Grid2	BB049642	NM_008167
724	1443327_at	0.002178	1135.47	877.07	D130043K22Rik	BB456021	XM_111397
725	1447053_x_at	0.002203	3497.37	2205.6	Ssr3	AU022074	NM_026155
726	1452952_at	0.002205	4040.1	2927.6	9030418K01Rik	AK018518	
727	1448933_at	0.002217	777.47	573.2	Pcdkbl7	NM_053142	NM_053142
728	1436301_at	0.002231	611.37	451.9	Ripk5	BB435342	NM_172516
729	1428779_at	0.002235	1139.97	739.13	Zbtb41	BB526541	NM_172643
730	1438231_at	0.002235	360.5	237.23	Poxp2	AV322952	NM_053242 /// NM_212435
731	1438371_x_at	0.002243	5159	4037	Ddx5	BB114677	NM_007840
732	1458528_at	0.002244	394.3	255.53	C330002I19Rik	AW491643	XM_126866
733	1426413_at	0.002247	764.5	406.77	Neurod1	BM116592	NM_010894
734	1436624_at	0.002253	4011.57	3269.67	Dntn3	BE988832	NM_172646
735	1416422_a_at	0.002255	1155.71	700.23	Ssb	BG796845	NM_009278
736	1427965_at	0.002264	2462.5	1218.2	Ssbp1	BG073014	NM_028358 /// NM_212468
737	1424677_at	0.002273	464.17	353.57	Cyp2j9	AF336850	NM_028979
738	1434250_at	0.002273	152.7	123.2	Pak2	AW537308	NM_177326
739	1454701_at	0.002273	88.1	60.77	4930503L19Rik	AI450962	NM_172967
740	1421750_a_at	0.002275	4080.17	2908.57	Vbp1	NM_011692	NM_011692
741	1457731_at	0.002279	253.9	165.87	Snapc3	BB247595	NM_029949
742	1425194_a_at	0.002283	2521.77	1912.6	6330577E15Rik	BC024403	NM_026377
743	1457246_at	0.002283	1058.73	669.87	Rai16	AU040322	XM_139129
744	1450744_at	0.002288	1925.13	1298.47	Ell2	NM_138953	XM_484289

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745	1424642_at	0.002304	826.93	655.57	Thoc1	BC024951	NM_153552
746	1455165_at	0.002304	1593.97	1220.6	Rora	BE335227	NM_013646
747	1437179_at	0.002306	599.17	496	Rif1	BG070871	NM_175238
748	1433571_at	0.002313	953.67	613.23	Serinc5	BQ175260	NM_172588
749	1456293_s_at	0.002318	2822	1884.77	Ccnh	AA068868	NM_023243
750	1433795_at	0.002322	469.57	247.6	Tgfbr3	BM122301	NM_011578
751	1455507_s_at	0.002323	1255.97	800.53	D8Ertd587e	BM223036	
752	1434509_at	0.002325	1110.37	793.33	Rapgef6	BM250883	XM_484023 /// XM_484024
753	1427991_s_at	0.002326	2400.2	1630.67	Usp45	BM249286	NM_152825
754	1448708_at	0.002333	925	625.73	Pparbp	NM_134027	NM_013634 /// NM_134027
755	1454973_at	0.002333	1149.53	817.9	Atf7ip	BF456242	NM_019426
756	1415841_at	0.002335	2796.67	2237.73	Dncic2	NM_010064	NM_010064
757	1430530_s_at	0.002337	214.83	149.93	1110025F24Rik	AK012340	NM_026393
758	1436839_at	0.002355	832.13	504.93	---	BB174749	
759	1456005_a_at	0.002355	457	280.4	Bcl2l11	BB667581	NM_009754 /// NM_207680 /// NM_207681
760	1452675_at	0.002367	725.8	584.43	Rbm22	BB758922	XM_619541
761	1455249_at	0.002379	1611.4	1277.9	Slc36a4	BQ175681	NM_172289
762	1459885_s_at	0.002384	139.2	65.87	Cox7c	AA190297	NM_007749
763	1418029_at	0.002385	1109.07	870.7	Faim	NM_011810	NM_011810
764	1448434_at	0.002385	1946.33	1490.33	Rnf103	NM_009543	NM_009543
765	1450973_s_at	0.002385	921.73	663.33	Mapkbp1	BQ174980	NM_011941
766	1433593_at	0.002386	1629.77	1267.43	Ypel5	BB316456	NM_027166
767	1452107_s_at	0.002397	1546.67	1000.07	Npnt	AA223007	NM_001029836 /// NM_033525
768	1427270_a_at	0.002399	1367	882.27	Bsdc1	BF72963	NM_133889
769	1422703_at	0.002407	449.37	259.47	Gyk	BF683028	NM_008194 /// NM_212444
770	1428463_at	0.002408	2726.2	1904.07	Ppp2r5e	BB535888	NM_012024
771	1452781_at	0.002416	746.33	569.73	Gtf3c2	AV297256	NM_027901
772	1437375_at	0.002429	1868.57	1105.33	Rfx3	BB745175	NM_011265
773	1456351_at	0.002429	387.2	259.4	Brd8	AV341197	NM_030147
774	1428103_at	0.00243	2832.27	1854.1	---	AV327574	
775	1438941_x_at	0.002433	1268.5	939.93	Ampd2	AV330806	NM_028779
776	1437252_at	0.002437	829	656.8	Gats	BB768012	NM_030719
777	1417424_at	0.002439	1652.27	1191.73	Ier3ip1	BE287896	NM_025409
778	1437585_x_at	0.002444	566.03	306.93	Zfp161	BB329659	NM_009547
779	1426832_at	0.002444	1042	807.87	6330505F04Rik	BB460424	NM_172779
780	1440253_at	0.002445	2662.77	1787.9		AV136581	
781	1426114_at	0.00245	7336.23	4108.47	Hnrpab	L36663	NM_010448
782	1440027_at	0.00245	477.13	360.03	2610528022Rik	BB119857	NM_053395
783	1455633_at	0.002455	500.7	338.9	Zfp647	BB040500	NM_172817
784	1430583_at	0.002472	3234.53	2922.07	C130076007Rik	BB064688	NM_176930
785	1429251_at	0.002474	430.93	255.27	Prdm2	BM226301	XM_204027
786	1435280_at	0.002477	2745.97	2108.8		AI452195	BB303582

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787	1419469_at	0.002485	777.87	615.93	Gnb4	BI713933	NM_013531
788	1434044_at	0.002487	959.27	808.47	Repin1	AV286809	NM_175099
789	1426924_at	0.002489	4530.2	3391.67	Mnab	AA709668	XM_130233
790	1425940_a_at	0.002495	814	708.33	Ssbp3	AF170906	NM_023672 /// NM_198438
791	1457632_s_at	0.002495	1345.77	652.2	Mrgl	BB207647	NM_010825
792	1437621_x_at	0.002498	1502.4	1246.97	Phgdh	LOC546010 AV216768	NM_016966 /// XM_620577
793	1439478_at	0.002507	320.97	177.97	Acot2	BB500039	NM_134188
794	1459861_s_at	0.002516	840.4	447.97	Fbxl10	AV221085	NM_001003953 /// NM_001005866 /// NM_013910
795	1448178_a_at	0.002532	4587.47	4036.67	Cct3	NM_009836	NM_009836
796	1436318_at	0.002533	2289.93	1570.5	Tardbp	AV338665	NM_001003898 /// NM_001003899 /// NM_001008545 /// NM_001008546 /// NM_145556
797	1430667_at	0.002543	2640.67	1636.33	Pcdh10	BB077413	NM_011043
798	1460315_s_at	0.002545	2213	1582.97	Tbk1	NM_019786	NM_019786
799	1423829_at	0.002548	5835.07	5023.53	0910001A06Rik	BC011343	NM_144846
800	1452152_at	0.002555	2768.1	2018.47	AI642036	AW537615	XM_109767
801	1427351_s_at	0.002558	247.47	93.9	Igh-6	BB226392	XM_484186
802	1448269_a_at	0.002562	722.43	452.33	Klhl13	NM_026167	NM_026167
803	1427504_s_at	0.002568	3607.33	2497.37	Sfrs2	AF250133	NM_011358
804	1422624_at	0.002569	525.87	417.67	Revl1	NM_019570	NM_019570
805	1458370_at	0.002569	305.77	200.43	Bmp2k	BM234405	NM_080708
806	1419443_at	0.00258	1689.83	1408.8	Sap18	NM_009119	NM_009119
807	1451542_at	0.002587	2310.13	1583.33	Ssbp2	AY037837	NM_024186 /// NM_024272
808	1453104_at	0.002587	10028.47	8298.13	Mapk1	AK018549	NM_011949
809	1448100_at	0.002591	4597.3	3865.27	4833439L19Rik	NM_133797	NM_133797
810	1429189_at	0.002594	4951.43	4103.07	1110007C02Rik	BI440651	NM_027923
811	1455151_at	0.002602	365.03	224	Akap9	C79026	NM_194462
812	1436875_at	0.002604	2575.77	1274.07	Dnm3	BB130476	NM_172646
813	1418304_at	0.002605	242.37	87.67	Pcdh21	NM_130878	NM_130878
814	1450223_at	0.002607	203.2	102.13	Apaf1	NM_009684	NM_009684
815	1456026_at	0.002612	232.77	181.77	8030451K01Rik	AV303159	NM_172501
816	1417371_at	0.002615	1445.8	1160.53	Peli1	BC016515	NM_023324 /// NM_030015
817	1452676_at	0.002619	421.77	354.23	Pnpt1	BB777815	NM_027869
818	1418048_at	0.00262	1812	1387.17	1110059G10Rik	NM_025419	NM_025419
819	1451740_at	0.002621	1588	1113.67	Paip1	BC019726	NM_145457
820	1421508_at	0.002632	265.67	179.43	Odz1	NM_011855	NM_011855
821	1435430_at	0.002638	2426.33	1877.7	Tmem1	BM200437	XM_125775 /// XM_359259
822	1452176_at	0.002649	1268.6	1003.03	Nup153	BB292874	NM_175749
823	1434084_at	0.002654	1168	767.17	5730601F06Rik	BF142017	XM_486197
824	1454794_at	0.002663	1869.47	1344.43	Spast	AV298495	NM_016962
825	1437287_at	0.002665	1684.87	1262.73	1110020G09Rik	BB277742	XM_127934
826	1443401_at	0.002665	374.77	276.5	Astn2	BM941510	NM_019514 /// NM_207109

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827	1456567_x_at	0.002666	1444	993.3	Grn	BB000455	NM_008175
828	1451254_at	0.002668	2658.[illegible]	943	[illegible]	[illegible]	[illegible]
829	1448104_at	0.002676	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
830	14547 [illegible]	[illegible]	772.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
831	1426905_a_at	0.0[illegible]	916.[illegible]	356.[illegible]	[illegible]	[illegible]	[illegible]
832	1441640_at	0.00[illegible]	15.1	6.97	[illegible]	[illegible]	[illegible]
833	1427074_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
834	1456632_at	0.002704	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
835	1437784_at	0.002705	607.1	444.17	[illegible]	[illegible]	[illegible]
836	1455091_at	0.002708	[illegible]	45.3	[illegible]	[illegible]	[illegible]
837	1424005_at	0.002725	6084	148	[illegible]	[illegible]	[illegible]
838	1451990_at	0.002725	2136	590	[illegible]	[illegible]	[illegible]
839	1452193_a_at	0.00273	4595.[illegible]	297.33	[illegible]	[illegible]	[illegible]
840	1454625_at	[illegible]	[illegible]	05.9	[illegible]	[illegible]	[illegible]
841	1424634_at	0.002733	2116.[illegible]	518.17	[illegible]	[illegible]	[illegible]
842	1450017_at	0.002733	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
843	1457017_at	0.002734	[illegible]	9.43	[illegible]	[illegible]	[illegible]
844	1423097_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
845	1460631_at	0.002746	4733	638.[illegible]	[illegible]	[illegible]	[illegible]
846	1423848_at	0.00[illegible]	20.2[illegible]	40.[illegible]	[illegible]	[illegible]	[illegible]
847	1426248_at	0.00[illegible]	637.[illegible]	265.5[illegible]	[illegible]	[illegible]	[illegible]
848	1458163_at	0	50.0[illegible]	62.6[illegible]	[illegible]	[illegible]	[illegible]
849	1452833_at	0.002752	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
850	1437666_x_at	0.0[illegible]	120.[illegible]	716.[illegible]	[illegible]	[illegible]	[illegible]
851	1452974_at	0.002781	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
852	1430596_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
853	1455829_at	0.002795	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
854	1416653_at	0.002796	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
855	1434444_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
856	1449546_a_at	0.002811	1317	64.3	[illegible]	[illegible]	[illegible]
857	1440325_at	0.00	50.7[illegible]	83	[illegible]	[illegible]	[illegible]
858	1417960_at	0.00	28.2	[illegible]	[illegible]	[illegible]	[illegible]
859	1418873_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
860	1428725_at	0.002819	1000.67	[illegible]	[illegible]	[illegible]	[illegible]
861	1439093_at	0.00282	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
862	1443935_at	0.00[illegible]	221.[illegible]	16.6	[illegible]	[illegible]	[illegible]
863	1429155_at	0.00	179.[illegible]	1002.7	[illegible]	[illegible]	[illegible]
864	1429595_at	0.002822	182.63	118.9	[illegible]	[illegible]	[illegible]
865	1437209_at	[illegible]	[illegible]	5.37	[illegible]	[illegible]	[illegible]
866	1423103_at	0.002831	448.7[illegible]	09.07	[illegible]	[illegible]	[illegible]
867	1429688_at	0.00[illegible]	28.[illegible]	2.43	[illegible]	[illegible]	[illegible]
868	1419811_at	0.00	170.[illegible]	662.93	[illegible]	[illegible]	[illegible]

Table 9

869	1416659_at	0.002848	2398.97	2010.27	Eif3s10	AW701127	NM_010123
870	1423059_at	0.00285	3022.5	2727.13	Ptk2	AI528614	NM_007982
871	1452332_at	0.002854	972.03	646.27	E030025D05Rik	AW060797	NMJL81577
872	1433895_at	0.002857	1322.9	1090.63	2310003P10Rik	AW495410	NM_175145
873	1448743_at	0.00287	2312.43	1815.33	Ssx2ip	NM_138744	NM_138744
874	1435880_at	0.002871	1672.6	1535.57	E430012K20Rik	BM119343	XM_130845
875	1437707_at	.00288	711.23	560.73	BC019561	BB835597	NM_144867
876	1423086_at	.002908	477.9	372.9	Npcl	BB769209	NM_008720
877	1428895_at	.002914	424.5	229.03	3222401M22Rik	BE225664	XM_129814
878	1441178_at	.002918	104.83	65.1	Dtwd2	BB818617	XM_355059
879	1417284_at	.002921	703.7	506.2	Mapkapl	NM_133841	NM_177345
880	1416180_a_at	0.002924	599.4	510.27	RdX	NM_009041	NM_009041
881	1437850_a_at	0.002925	2170.57	1381.67	Cnbpl	AV299745	NM_013493
882	1435634_at	0.002933	2381.37	1902.27	A030012M09Rik	BB549335	HM_183028
883	1435661_at	0.002945	1261.43	889.73	Als2cr4	BB018660	XM_355201
884	1424368_s_at	0.002951	5551.37	5816.73	Ubqlnl	BC026847	NM_026842
885	1419037_at	0.002954	1061.77	793.77	Csnk2al	BB283759	NM_007788
886	1438169_a_at	0.002955	732.53	415.63	Frmd4b	BB009122	NM_145148
887	1438531_at	0.002956	346.5	185.73	A730054J21Rik	BM119567	
888	1427073_at	0.00296	623.03	477.2	Lacel	AF397909	NMJL45743
889	1440487_at	0.002964	669.83	469.53	Dec	BE824778	NM_007831
890	1433475_a_at	0.002967	4583.6	3627.5	C78339	BG075168	XM_127312
891	1424198_at	0.002968	504.07	409	Dlg5	BC021314	XM_127605
892	1436912_at	0.002959	6498.7	5069.33	3110038015Rik	BB768064	
893	1421664_a_at	0.002973	611.77	462.43	Styx	NMJ319637	MM_019637
894	1434892_x_at	0.002987	6962.67	5698.67	Rbbp4	BB462744	NM_009030
895	1454643_at	0.002987	681.53	552.37	Ubap21	BI408204	NM_028475
896	1452734_at	0.002988	2322.37	2039.03	Rnaset2	BI410170	KM_026611
897	1424920_at	0.00299	321.5	283.27	Slc37a3	BC005744	HM_028123
898	1447788_s_at	0.002997	1906	1348.87	Tspyl3	BB308532	HM_198617
899	1426709_a_at	0.003002	2319.57	1515	Usp33	BG075953	NM_133247
900	1448733_at	0.003002	1361.4	780.43	Pcgf4	M64279	NM_007552
901	1452763_at	0.003002	2325.53	1846.13	Nipal	BB770774	NM_153578
902	1454876_at	0.003002	521.4	385.57	Rab23	BB771587	NM_008999
903	1429652_at	.003012	589.87	442.6	1190002C06Rik	AK009976	NM_028447
904	1433679_at	.003017	468.17	235.93	Fubp3	BB399719	XMJL30112
905	1438221_at	.003018	4081.3	3249.17	C130065N10Rik	AI875682	
906	1456058	.003021	1394	827.73	Rbm27	BB228600	XM_128924
907	1431076_at	.003023	5522.9	4786.9	Add2	BG976853	NM_013458
908	1455521_at	.003025	1336.4	835.53	KIf 12	BB753447	NM_010636
909	1437869_at	0.003026	1087.13	763.3	3222402P14Rik	BF140684	XM_135153

Table 9

910	1460230_at	0.003029	5072.63	4314.87	Syn2	NM_013681	NM_013681
911	1444077_at	[illegible]	1597.13	1247.93	[illegible]	[illegible]	[illegible]
912	1450881_s_at	0.00303	746.77	481.07	Tm7sf1	AK010724	NM_031999
913	1435078_at	0.003032	2976.4	2584.97	3526402J09Rik	BQ173895	[illegible]
914	1433749_at	0.003057	1613.03	1338.17	Gnal3	BG073165	NM_010303
915	1427742_a_at	0.003059	467.73	359.6	Klf16	AF072403	NM_011803
916	[illegible]	[illegible]	1469.93	[illegible]	Prkaa2	BQ175911	NM_178143
917	[illegible]	[illegible]	[illegible]	[illegible]	9330159F19Rik	AV328072	XM_137017
918	1439397_at	0.003068	1443.63	[illegible]	[illegible]	BB164513	[illegible]
919	1434565_at	0.00308	828	[illegible]	[illegible]	[illegible]	NM_008130
920	1422842_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
921	1438007_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
922	1437757_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
923	1418431_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
924	1429949_at	0.003106	702	[illegible]	[illegible]	[illegible]	[illegible]
925	1416065_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
926	1460043_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
927	1428795_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
928	1426712_at	0.003141	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
929	1415802_at	0.003144	1953.1	[illegible]	[illegible]	[illegible]	[illegible]
930	1440201_at	0.003148	[illegible]	[illegible]	[illegible]	BB449568	[illegible]
931	1436268_at	0.003149	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
932	1456795_at	0.00315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
933	1447623_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NM_009196
934	1420609_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
935	1439035_at	0.003163	1279	[illegible]	[illegible]	[illegible]	[illegible]
936	1453160_at	0.003164	1502.9	[illegible]	[illegible]	BB357628	[illegible]
937	1437682_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
938	1435619_at	0.00317	[illegible]	[illegible]	[illegible]	AK018340	[illegible]
939	1439847_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
940	1428494_a_at	0.003181	2140.8	1870	[illegible]	[illegible]	[illegible]
941	1447624_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
942	1452207_at	0.003186	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
943	1456067_at	0.003188	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
944	1428876_at	0.003199	2019.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
945	1426583_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
946	1426541_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
947	1434355_at	0.003207	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
948	1436746_at	0.00321	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
949	1450031_at	0.003215	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
950	1428579_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
951	1450084_s_at	0.003224	2224	[illegible]	[illegible]	[illegible]	[illegible]

Table 9

952	1448144_at	0.003237	570.63	371.2	Hnrpab	NM_010448	NM_010448
953	1441662_at	0.003237	618.73	443.07	---	BB171122	
954	1454874_at	0.003237	568.9	385.93	Btbd7	BG076293	NM_172806
955	1455082_at	0.003264	768.97	655.6	Cblb	AW545867	XM_156257 /// XM_358863
956	1455047_at	0.003266	1361.87	1110.8	Fbxo3	AV024918	NM_020593 /// NM_212433
957	1420822_s_at	0.003272	972.47	622.9	Sgppl	NM_030750	NM_030750
958	1424242_at	0.003274	944.53	732.97	Bphl	BC023146	NM_026512
959	1448702_at	0.00328	1923.9	1603.33	Ier3ipl	BE287896	NM_025409
950	1438062_at	0.003283	1145.43	820.47	4832420A03Rik	BM933984	
961	1426856_at	0.003284	400.3	267.27	Hsdl2	BM200015	NM_024255
962	1435484_at	0.003286	1294.57	922.1		BP642829	BM729431
963	1428277_at	0.003287	1338822.6	1101.3	Otud6b	AK011203	NM_152812
964	1434671_at	0.003287	4556622.03	3385.47	B230337E12Rik	BM120593	
965	1457257_x_at	0.00329	922 256.4	83.23	---	BB380053	
966	1436600_at	0.003296	1422.13	752.83	Tnrc9	BM119957	NM_172913
967	1435285_at	0.003298	994.5	843.7	Mpped2	BB731805	XM_619790
968	1448484_at	0.003303	4716.13	3854.53	Aradl	NM_009665	NM_009665
969	1451769_s_at	0.00331	133 823	633.23	Pcdha4	Pcdha6	BB265776 NM_001003671 /// NM_001003672 /// NM_007766 /// NM_007767 /// NM_009957 /// NM_009959 /// NM_009960 /// NM_009961 /// NM_054072 /// NM_138661 /// NM_138662 /// NM_138663 /// NM_198117 /// NM_201243
970	1423451_at	0.003316	11247.77	9626.13	Pgrmcl	AI574180	NM_016783
971	1438782_at	0.003322	369.6	240.97	Cntn4	AW553181	NM_173004
972	1420925_at	0.003324	2417.83	1973.47	Tub	NM_021885	NM_021885
973	1426851_a_at	0.003331	5146.4	3059.07	Nov	X96585	NM_010930
974	1460547_a_at	0.003334	11104.7	9607.63	Hnrpk	BB722680	NM_025279
975	1454897_at	0.003335	623.77	425.4	6330509M05Rik	AV330057	
976	1434101_at	0.003335	648.13	496.4	Nfib	BI687652	NM_008687
977	1455940_x_at	0.003341	3791.47	2200.7	Wdr6	BB453609	NM_031392
978	1436169_at	0.003345	1241.63	783.53		BB428892	
979	1436908_at	0.003357	1199.33	848.73	Pcml	BG076129	NM_023662
980	1434314_s_at	0.003362	2248.8	1614.9	Rab11fip5	BQ177085	NM_001003955 /// NM_177466
981	1438634_x_at	0.003363	5623.07	3656	Laspl	BB105164	NM_010688
982	1425115_at	0.003364	1834.03	1167.07	Rbbp6	BC025874	NM_011247 /// NM_175023
983	1416757_at	0.003368	165.67	95.8	Zwilch	BC027435	NM_026507
984	1437200_at	0.003371	1022.97	701.37	Fcho2	BM235711	NM_172591
985	1434258_s_at	0.00338	344.67	265.8	Phactr4	AV248174	NM_175306
986	1423479_at	0.003387	735.87	657.43	Nol11	AK005123	NM_133702
987	1439777_at	0.003387	3319.6	2703.93	B230218O03	BB308170	NM_183219
988	1448694_at	0.003388	1492.5	862.77	Jun	NM_010591	NM_010591
989	1436388_a_at	0.003389	1230.97	872.03	3830406C13Rik	BB763097	NM_146051 /// NM_178141
990	1424200_s_at	0.003395	1619	1300.7	Sehl1	AW537349	NM_028112

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991	1435556_at	0.003395	829.3	597.57	---	AV270881	---
992	1450069_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
993	1423043_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
994	1452761_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
995	1437217_at	0.003425	80.2	[illegible]	Ankrd6	[illegible]	[illegible]
996	1440816_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
997	1425186_at	0.003432	2548.63	2222.[illegible]	[illegible]	[illegible]	[illegible]
998	1422553_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
999	1438666_at	0.00344	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1000	1422685_at	0.003442	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1001	1435616_at	0.003444	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1002	1457229_at	0.003446	453.93	361.7	[illegible]	BQ26512[illegible]	[illegible]
1003	1424015_at	0.003453	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1004	1436895_at	0.003455	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1005	1428086_at	0.00346	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1006	1429768_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1007	1416614_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1008	1456948_at	0.003473	223.2	127.07	Ap4e1	BM115150	XM_[illegible] /// NM_009166 /// NM_001034964
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1010	1460303_at	[illegible]	[illegible]	1644.1	[illegible]	[illegible]	[illegible]
1011	1421756_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1012	1452657_at	0.00351	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1013	1434441_at	0.00351	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1014	1421190_at	0.003512	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1015	1428471_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1016	1456379_x_at	0.003515	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1017	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1018	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1019	1429417_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1020	1429401_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1021	1444560_at	0.003539	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1022	1416319_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1023	1423671_at	[illegible]	[illegible]	2847.17	[illegible]	[illegible]	[illegible]
1024	1422607_at	0.003559	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1025	1438295_at	0.003559	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1026	1434687_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1027	1433514_at	0.00357	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1028	[illegible]	[illegible]	[illegible]	[illegible]	Papss2	[illegible]	[illegible]
1029	1417307_at	0.00359	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1030	1433561_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1031	1428416_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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1032	1448537_at	0.003598	1311.4	1217.17	Ttc1	NM_133795
1033	1433782_at	0.003599	[illegible]	[illegible]	[illegible]	[illegible]
1034	1429779_at	0.003603	[illegible]	[illegible]	[illegible]	[illegible]
1035	1451405_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1036	1423883_at	0.003616	1806.	[illegible]	[illegible]	[illegible]
1037	1435021_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1038	1450663_at	0.003635	[illegible]	[illegible]	[illegible]	[illegible]
1039	1456089_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1040	1433507_a_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1041	1422481_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1042	1440910_at	0.003644	1848.17	[illegible]	[illegible]	[illegible]
1043	1455113_at	0.003646	837.3	[illegible]	[illegible]	[illegible]
1044	1434842_s_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1045	1451264_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1046	1455712_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1047	1435260_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1048	1437748_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1049	1435545_at	0.003656	497.2	291.	[illegible]	[illegible]
1050	1448570_at	0	[illegible]	[illegible]	[illegible]	[illegible]
1051	1436034_at	0	[illegible]	[illegible]	[illegible]	[illegible]
1052	1453266_at	0.003665	[illegible]	[illegible]	[illegible]	[illegible]
1053	1440279_at	0.003668	1210.57	929.3	[illegible]	[illegible]
1054	1454960_at	0.003673	[illegible]	[illegible]	[illegible]	[illegible]
1055	1455945_at	0.003674	280.	[illegible]	[illegible]	[illegible]
1056	1433521_at	0.003679	[illegible]	[illegible]	[illegible]	[illegible]
1057	1453002_at	0.003684	277.	[illegible]	[illegible]	[illegible]
1058	1437468_x_at	0.003696	[illegible]	[illegible]	[illegible]	[illegible]
1059	1455339_at	0.003703	423.43	[illegible]	[illegible]	[illegible]
1060	1415908_at	0.003704	[illegible]	[illegible]	[illegible]	[illegible]
1061	1449048_s_at	0.00371	[illegible]	[illegible]	[illegible]	[illegible]
1062	1426774_at	0.003722	[illegible]	[illegible]	[illegible]	[illegible]
1063	1427281_at	0.003723	2366	[illegible]	[illegible]	[illegible]
1064	1456262_at	0.003728	804	585.8	[illegible]	[illegible]
1065	1436836_x_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1066	1429443_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1067	1436535_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1068	1455365_at	0.003742	[illegible]	[illegible]	[illegible]	[illegible]
1069	1440825_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1070	1454919_at	0.003753	[illegible]	[illegible]	[illegible]	[illegible]
1071	1416722_at	0.003754	[illegible]	[illegible]	[illegible]	[illegible]
1072	1448210_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]
1073	1451519_at	0.00	[illegible]	[illegible]	[illegible]	[illegible]

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1074	1429050_at	0.003763	529	376.2	Chic2	AK015681	NM_028850
1075	1438134_at	0.003785	2151.9	1547.67	Trim2	BB466780	NM_030706
1076	1451342_at	0.003788	782	532	Spon1	BC020531	NM_145584
1077	1415682_at	0.003796	995.6	866.5	Xpo7	[illegible]	NM_023045
1078	1435662_at	0.003801	489.73	331.13	2610020O08Rik	BB168118	NM_025937
1079	1439783_at	0.003807	453.4	305.3	C330018D20Rik	BB809870	XM_128980
1080	1437203_at	0.003809	748.2	583.83	---	[illegible]	---
1081	1416862_at	0.003812	954.37	744.37	Rora	[illegible]	NM_013646
1082	1450716_at	0.003812	313.93	190.63	Adamts1	D67076	NM_009621
1083	1435440_at	0.003812	1447.17	1243.93	LOC434233 /// Ppp1cc	[illegible]	NM_013636
1084	1427464_s_at	0.003818	3731.5	2220	Hspa5	AJ002387	NM_022310
1085	1433784_at	0.003818	2234.37	1818.27	LOC545085	BQ174579	XM_127927
1086	1437289_at	0.003818	2629.27	2046.63	Hspa4	AW909503	NM_008300
1087	1428829_at	0.003819	382.73	236.03	6820401H01Rik	AK018353	[illegible]
1088	1455472_at	0.003823	1453.97	947.17	A630071D13Rik	BB238335	[illegible]
1089	1418030_at	0.003831	319.53	210.57	Slco3a1	[illegible]	NM_023908
1090	1435222_at	0.003833	3043.37	2556.87	2810012G03Rik	[illegible]	[illegible]
1091	1417948_s_at	0.003837	1247.73	849.43	[illegible]	[illegible]	[illegible]
1092	1437773_x_at	0.00384	6706.97	5698.13	[illegible]	AK015136	[illegible]
1093	1434002_at	0.003843	746.63	581.53	Ches1	AW556347	NM_183186
1094	[illegible]	0.003851	[illegible]	[illegible]	Senp7	[illegible]	NM_001003972 /// NM_025483
1095	1453212_at	0.003852	533.[illegible]	[illegible]	Zfp383	BB705379	[illegible]
1096	1438413_at	0.003859	872.[illegible]	551.[illegible]	Senp7	BB316516	NM_153509
NM_001003973 /// NM 025483							
1097	1428375_at	0.003873	757.13	579.77	Ddx17	BB476615	NM_152806 /// NM_199080
1098	1423096_at	0.003875	1110.57	880.17	Ilf2	[illegible]	NM_026374
1099	1452669_at	0.003882	2262.8	1741.7	Foxp1	BM220880	NM_053202
1100	1429738_at	0.003891	2126.03	1714.37	Mytl1	AK013847	NM_008666
1101	1433658_x_at	0.003898	4269.97	3291.17	Pcbp4	AV300794	NM_021567
1102	1437874_s_at	0.003898	4845.97	3147.6	Hexb	AV225808	NM_010422
1103	1435194_at	0.003915	1733.87	1362.17	Impad1	BG797423	NM_177730
1104	1455097_at	0.003916	315.2	234.37	[illegible]	BI076832	[illegible]
1105	1437480_at	0.003918	370.1	205.57	1110001A07Rik	BB071833	NM_025377
1106	1450149_a_at	0.003927	9776.6	8460.27	Pdzk8	BQ175434	NM_001033222
XM_485994							
1107	1420583_a_at	0.003931	1203.4	958.87	Sctaamm	[illegible]	NM_011484
1108	1460098_at	0.003938	122.8	68.73	---	BB460904	---
1109	1436021_at	0.00394	1660.33	1262.47	A930031D07Rik	AI426503	NM_172510
1110	1452700_s_at	0.00394	2453.67	1681.27	Kbtbd7	AK003597	NM_001024135
1111	1423470_at	0.003952	3536.57	3034.4	Ptpbp2	BB076855	NM_019550
1112	1434691_at	0.003952	654.67	410.73	Sfrs2ip	BB154529	NM_028148
1113	1459860_x_at	0.003953	6222.1	4533.6	Pcdh10	AV341417	NM_011043

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1114	1454959_s_at	0.003964	10462.5	8293.07	Gnai1	BQ174580	NM_010305
1115	1417529_at	0.003965	2521	1882.4	Cugbp1	BI412951	NM_017368
1116	1425486_s_at	0.003972	4157	3223.63	[illegible]	AV230399	[illegible]
1117	1428568_at	0.003974	2277.445	[illegible]	[illegible]	BM228488	NM_019445
1118	1417438_at	0.0[illegible]	1515	[illegible]	Sfrs1	BG071935	NM_173374
1119	1444550_at	0.0039[illegible]	58.7	[illegible]	[illegible]	AK003597	NM_001024135
1120	1434778_at	0.004913	[illegible]	[illegible]	[illegible]	AI323758	NM_007688
1121	1437696_at	0.0[illegible]	307	[illegible]	Pdgfc	[illegible]	NM_019971
1122	1436833_x_at	0.0[illegible]	195	2079	[illegible]	AK012546	XM_356361
1123	143[illegible]	0.00[illegible]	637	[illegible]	1110055N21Rik	AV014698	NM_176843
1124	1427186_a_at	0.0[illegible]	169	[illegible]	Jph3	AI849712	NM_020605
1125	1416368_at	0.00402	1509.97	[illegible]	Gsta4	BB077449	[illegible]
1126	1452477_at	[illegible]	[illegible]	[illegible]	1110034B05Rik	AW544518	XM_283610
1127	1437877_at	[illegible]	[illegible]	[illegible]	2310040A13Rik	[illegible]	NM_327149
1128	1447992_s_at	[illegible]	[illegible]	[illegible]	Ube2e3	AW120830	NM_009454
1129	1416607_at	0.004025	[illegible]	[illegible]	Dtwd1	BC020149	NM_026981
1130	1417134_at	0.004026	2642.07	2325	[illegible]	AV133559	[illegible]
1131	1437837_x_at	0.004027	[illegible]	[illegible]	Rnpc2	AV019076	NM_133242
1132	1423143_at	0.004032	[illegible]	[illegible]	Dpkd	BB094429	XM_484893
1133	1437598_at	0.0[illegible]	306	68.93	H2-Ke6	AI323545	NM_013543
1134	1439389_s_	[illegible]	577	[illegible]	2881100000221B07Rik	AK021189	NM_025479
1135	1448347_a_	[illegible]	[illegible]	216.7	Gpiap1	BE981338	NM_016739
1136	1428921_at	0.0[illegible]	40	[illegible]	Myadm	BB500055	NM_016969
1137	1454987_a_at	0.004049	346.4	245.9	H2-Ke6	BB308952	[illegible]
1138	1433564_at	0.0[illegible]	1236	1087.9	[illegible]	AI987834	NM_027000
1139	1438420_at	[illegible]	[illegible]	[illegible]	Poldip3	BB377698	NM_178627
1140	1459971_at	0.004053	[illegible]	[illegible]	Srpk2	NM_009274	NM_009274
1141	1424697_at	0.0[illegible]	538	518.0	4931406C07Rik	AI461712	NM_133732
1142	1448670_at	0.0[illegible]	924	[illegible]	Pcsk2	AI839700	NM_008792
NM_026222	[illegible]	0.00[illegible]	434.67	[illegible]	Ttc14	BB711506	NM_025978
1144	1434692_at	0.0[illegible]	523	480.2	3110057O12Rik	BB628049	NM_026622
1145	1442139_at	0.004081	[illegible]	[illegible]	Gsta4	NM_010357	NM_010357
1146	1443724_at	[illegible]	274	[illegible]	Mef2a	AV255689	NM_001033713
1147	1434011_a_at	0.0[illegible]	307	[illegible]	Wdr7	BB795506	XM_140391
1148	1428930_at	0.0[illegible]	67	[illegible]	Ttll1	BB251824	NM_178869
1149	1419123_a_at	[illegible]	44	88	[illegible]	BG071037	NM_001002008
1150	1418066_at	0.004101	393	[illegible]	[illegible]	AU022230	NM_001004436
1151	1428192_at	0.004116	[illegible]	[illegible]	[illegible]	AI480952	NM_028791
1152	1434972_x_at	0.0[illegible]	47	[illegible]	Rdh14	[illegible]	NM_023697
1153	1450063_at	[illegible]	[illegible]	[illegible]	B230217C12Rik	BB376573	XM_484073
1154	1436441_at	0.0[illegible]	[illegible]	[illegible]	Mtmr6	BC020019	NM_144843
1155	1426407_at	0.0[illegible]	[illegible]	9.60	Rab33a	[illegible]	NM_011228

Table 9

1156	1428130_at	0.004148	553.23	382.47	Lman1	BG071597	NM_027400
1157	1459843_s_at	0.004149	1179.13	725.2	Smad1	BB257769	NM_008539
1158	1428883_at	0.00417	1487.6	1153.53	Tmem57	AK003528	NM_025382
1159	1457568_at	0.004183	2126.27	1482.47	C230004L04	BB380198	
1160	1428434_at	0.004191	1057.57	768.83	Zcchc12	AK012833	NM_028325
1161	1418332_a_at	0.004192	3660.23	2599.63	Agtpbp1	NM_023328	NM_023328
1162	1434285_at	0.0042	906.2	698.53	Frmd4a	BB701578	NM_172475
1163	1416841_at	0.004202	816.3	615.53	1110059E24Rik	NM_025423	NM_025423
1164	1454968_at	0.004202	148.47	86.63	1110034A24Rik	AV011961	NM_027269
1165	1437230_at	0.004205	2578.8	2039.47	Kcna1	AV361923	NM_010595
1166	1433909_at	0.004208	799.6	542.07	Bk	AW048713	NM_138649
1167	1452861_at	0.00422	4824.5	4187.9	2010300C02Rik	AK008485	XM_129808
1168	1428377_at	0.004225	665.93	519.4	Btbd11	AK018115	NM_001017525 /// NM_028709
1169	1429689_at	0.004228	319.47	224.6	4932433N03Rik	AK016544	---
1170	1431432_at	0.004228	189.4	149.5	Cfl2	AW986926	NM_007688
1171	1429514_at	0.004239	6855.1	5186.83	Ppap2b	AW111876	NM_080555
1172	1430982_at	0.004241	1034.67	832.4	Sfrs1	BF682801	NM_173374
1173	1429685_at	0.004242	6508.13	5104.33	C030002O17Rik	BB313857	NM_172432
1174	1434284_at	0.004244	1548.37	1258.57	Gdpd1	BQ031214	XM_127501 /// XM_619147
1175	1447720_x_at	0.004247	4561.93	3062.13	Prkaca	AV023830	NM_008854
1176	1460545_at	0.004249	1675.33	1324.2	Thrap3	BB531820	NM_146153
1177	1436790_a_at	0.00425	877.87	456.1	Sox11	BG072739	NM_009234
1178	1417202_s_at	0.004255	2586.7	2030.5	Ube1c	NM_011666	NM_011666
1179	1447904_s_at	0.004255	3528.57	2720.43	Fnta	AV313761	NM_008033
1180	1419174_at	0.004264	2286.97	1840.8	2410004B18Rik	NM_025555	NM_025555
1181	1452798_s_at	0.004274	825.47	638.7	Mapk1ip1	AK009250	NM_027115
1182	1448253_at	0.004278	4273.27	3517.07	Glud1	NM_008133	NM_008133
1183	1438663_at	0.004281	1008.97	633.7	Bat2d	BF730196	XM_148990
1184	1437382_at	0.004287	2125.03	1558.87	Acvr2a	BG066107	NM_007396
1185	1455665_at	0.004287	1509.57	1278.63	---	BB705689	XM_146279
1186	1452209_at	0.004291	3679.57	2725.5	Pkp4	AV286396	NM_026361
1187	1433968_a_at	0.004302	3650.27	2568.33	---	BQ174710	---
1188	1416453_x_at	0.004305	7584	4683.43	Rps12	NM_011295	NM_011295 /// XM_621083 /// XM_621084 /// XM_621085 /// XM_621086
1189	1456599_at	0.004311	1202.83	610.6	Nxt2	BB745947	NM_172782
1190	1452885_at	0.004312	752.5	559.6	Sfrs2ip	AK012092	NM_028148
1191	1449059_a_at	0.004313	8880.7	8109.4	Oxct1	NM_024188	NM_024188
1192	1436907_at	0.004313	1060.83	856.53	Nav1	BE980206	NM_173437
1193	1434286_at	0.004318	437.77	264.2	Trps1	BQ176054	NM_032000
1194	1426315_a_at	0.004326	425.5	329.73	6330416G13Rik	AV326978	NM_144905
1195	1434395_at	0.004332	2844.97	2372.9	Man1a2	AV325150	NM_010763
1196	1419460_at	0.004346	786.6	627.87	Rpp14	BI455861	NM_025938

Table 9

1197	1436247_at	0.004351	547.9	385.57	4632419I22Rik	AW552294	---
1198	1417298_at	0.004357	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1199	1428570_at	0.004368	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1200	1437723_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1201	1429356_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1202	1416765_s_at	0.004384	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1203	1429749_at	0.004407	945.07	[illegible]	[illegible]	[illegible]	[illegible]
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1205	1423155_at	0.004426	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1206	1440849_at	0.004426	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1207	1424415_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1208	1451466_at	0.004427	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1209	1419164_at	0.004428	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1210	1434603_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1211	1448557_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1212	1428845_at	0.004445	2942	[illegible]	[illegible]	[illegible]	[illegible]
NM_001025394 /// NM_153787							
1213	1418369 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1214	1433969_at	0.004451	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1215	1416904_at	0.004452	4161	[illegible]	[illegible]	[illegible]	[illegible]
1216	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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1219	1429519_at	0.004468	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1220	1437351_at	0.004469	1121.33	[illegible]	[illegible]	[illegible]	[illegible]
1221	1427949_at	0.004476	1261	[illegible]	[illegible]	[illegible]	[illegible]
1222	1430516_at	0.004479	766.2	645.1	4930428B01Rik	BB167877	---
[illegible]							
1224	1460211_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1225	1448149_at	[illegible]	[illegible]	291.5	[illegible]	[illegible]	[illegible]
1226	1436405_at	0.004492	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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1228	1416109_at	0.004505	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1229	1424243_at	0.004507	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1230	1455729_at	0.004507	3800.	[illegible]	[illegible]	[illegible]	[illegible]
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1232	1455769_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1233	1454983_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1234	1452828_at	0.004529	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1235	1457656_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	---
1236	1438096_a_at	0.004548	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1237	1450938_at	0.00456	1029	[illegible]	[illegible]	[illegible]	[illegible]

Table 9

1238	1456786_at	0.004561	505.17	367.9	Ldb2	BB097063	NM_010698
1239	1434958_at	0.004564	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1240	1428741_at	0.004566	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1241	1455854_a_at	0.004567	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1242	1429716_at	0.004568	167.23	[illegible]	[illegible]	[illegible]	[illegible]
1243	1437644_at	0.004569	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1244	1446149_at	0.004576	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1245	1429004_at	0.004587	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1246	1455875_x_at	0.004592	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1247	1460595_at	0.004598	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1248	1429723_at	0.00461	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1249	1434105_at	0.00461	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1250	1423357_at	0.004611	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1251	1441989_at	0.004611	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1252	1419976_s_at	0.004636	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1253	1439026_at	0.004644	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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1257	1436735_at	0.004654	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1258	1416267_at	0.004661	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1259	1452341_at	0.004679	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1260	1452218_at	0.004691	237	[illegible]	[illegible]	[illegible]	[illegible]
1261	1429058_at	0.004693	1379.23	[illegible]	[illegible]	[illegible]	[illegible]
1262	1451587_a_at	0.004696	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1263	1427982_s_at	0.004714	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1264	1420947_at	0.004734	564.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1265	1423102_a_at	0.004734	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1266	1424094_at	0.004737	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1267	1423870_at	0.004746	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1268	1436117_at	0.004749	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1269	1416126_at	0.004754	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1270	1421955_a_at	0.004759	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1271	1436752_at	0.004759	291.8	207.[illegible]	[illegible]	[illegible]	[illegible]
1272	1434996_at	0.004761	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1273	1429003_at	0.004762	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1274	1452047_at	0.004762	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1275	1454966_at	0.004768	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1276	1439825_at	0.004782	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1277	1429064_at	0.004792	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1278	1422809_at	0.004811	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1279	1452765_at	0.004811	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 9

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1282	1429625_at	0.004824	[illegible]	[illegible]	Mme	AV174022	NM_008604
1283	1429194_at	0.004825	[illegible]	[illegible]	Fndc3	BC022140	NM_207636
1284	1433759_at	[illegible]	[illegible]	[illegible]	Nras	AK010412	NM_010937
1285	1433928_a_[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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1287	1456833_at	0.004839	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1288	1435014_at	0.004842	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1289	1455196_s_at	0.004849	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1290	1455762_at	0.004849	2454.97	2131.77	[illegible]	[illegible]	[illegible]
1291	1426999_at	0.004857	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1292	1449679_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1293	1422683_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1294	1440015_at	0.004865	1331	[illegible]	[illegible]	[illegible]	[illegible]
1295	1452364_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1296	1449176_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1297	1442745_x_at	0.004874	647.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1298	1448526_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1299	1437907_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1300	1457760_at	0.004876	156.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1301	1422669_at	0.004881	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1302	1420821_at	0.004884	617.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1303	1452973_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1304	1432158_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1305	1457979_at	0.004892	2095.3[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1306	1438300_at	0.004896	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1307	1437360_at	0.004905	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1308	1439290_at	0.004905	126.53	66.8	[illegible]	[illegible]	[illegible]
1309	1433440_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1310	1456607_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1312	1444611_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1313	1419356_at	0.004927	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1314	1423149_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1315	1433794_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1316	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1317	1449084_s_[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1318	1454060_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1319	1426903_at	0.00499	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1320	1455961_at	0.004999	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1321	1438456_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 9

1322	1439971_at	0.004999	2558.8	1646.53	6330439K17Rik	AV328193	---
1323	1418023_at	0.005006	696	559.4	Nargl	BG067031	NM_053089
1324	1448111_at	0.005009	747.4	621.5	Ctps2	NM_018737	NM_018737
1325	1417155_at	0.00501	680.87	510.3	Mycn	BC005453	NM_008709
1326	1458385_at	0.005021	913.13	636.07	Hspa4l	AI461691	NM_011020
1327	1425487_at	0.005033	316.23	252.07	D11Ertd730e	BC025870	NM_148673 /// NM_198936
1328	1455886_at	0.005037	927.73	750.77	Cbl	BB385581	NM_007619
1329	1427407_s_at	0.00505	772.37	528.87	Tripl1	AV013785	XM_127084
1330	1434120_a_at	0.005052	3258.23	2508.1	Metap2	AW742814	NM_019648
1331	1452953_at	0.005058	1594.8	1083.57	1810036I24Rik	AK017572	NM_026210
1332	1455805_x_at	0.00506	460.33	412.63	Ccdc22	BB165451	NM_138603
1333	1439899_at	0.005068	716.57	483.67	Galntl3	BE995677	NM_173030
1334	1458386_at	0.00507	468.4	255.33	C030009J22Rik	BB283503	---
1335	1435247_at	0.005079	1096.7	750.47	Ube1dc1	BI438002	NM_025692
1336	1428333_at	0.005082	3209.17	2315.47	6530401D17Rik	AK013740	NM_029541 /// NM_029823
1337	1424431_at	0.005083	566	358.9	MGI:1926002	BC023112	NM_030165
1338	1426382_at	0.005092	1960.33	1672.2	Ppm1b	AJ271833	NM_011151
1339	1434768_at	0.005097	875.3	638.07	Tpp1	AI266910	NM_009906
1340	1434503_s_at	0.005112	1478.03	957.77	Lamp2	BB490768	NM_001017959 /// NM_010685
1341	1456087_at	0.005112	1700.5	1369.63	Nfia	BB089547	NM_010905
1342	1418968_at	0.005124	2147.9	1823.63	Rb1cc1	BE570980	NM_009826
1343	1440891_at	0.005129	1148.33	879.7	Gria4	AV336506	NM_019691
1344	1454984_at	0.005142	1784	1114.87	AW061234	AV246615	---
1345	1452366_at	0.005143	1180.4	916.53	4732435N03Rik	AV371987	NM_172753
1346	1434288_at	0.005143	417.23	298.8	Bivm	BI697337	NM_144558
1347	1434354_at	0.005145	607.2	449.23	Maob	BB549292	NM_172778
1348	1418188_a_at	0.005148	4373.93	2933.83	Malat1	AF146523	---
1349	1419879_s_at	0.005164	129.17	51.63	Trim25	AA960166	NM_009546
1350	1454673_at	0.005169	688.7	555.6	Wasf2	BM207372	NM_153423
1351	1417082_at	0.005171	1382.2	1071.13	Anp32b	NM_130889	NM_130889
1352	1428011_a_at	0.005173	1206.67	852.33	Erbb2ip	BC028256	NM_001005868 /// NM_021563
1353	1434566_a_at	0.005183	317.23	218.03	4732496O08Rik	BE952228	NM_172877
1354	1423672_at	0.005191	897.93	590.5	2510042P03Rik	BC026507	XM_485010
1355	1419400_at	0.005197	247.6	160.63	Mttp	AW553649	NM_008642
1356	1424410_at	0.0052	928.67	752.13	Ttc8	BC017523	NM_029553 /// NM_198311
1357	1426491_at	0.005203	2106.8	1686.17	Herc2	AW701798	NM_010418
1358	1428260_at	0.005206	6003.53	4874.17	Spg3a	BE948928	NM_178628
1359	1422868_s_at	0.005215	622.17	452.03	Gda	NM_010266	NM_010266
1360	1416186_at	0.005223	986	632.77	Pnrc2	NM_026383	NM_026383
1361	1425966_x_at	0.005225	3792.8	1261.97	Ubc	D50527	NM_019639
1362	1435879_at	0.005225	2245.63	2040.8	Akt3	BB521695	NM_011785
1363	1460335_at	0.005232	559.63	407.03	Lysmd3	BB667084	NM_030257

Table 9

1364	1437782_at	0.005235	483.87	305.93	Cntnap2	BE651445	NM_001004357 /// NM_025771
1365	1451411_at	0.005249	1504.87	1197.87	Zdhhc14	BB318221	NM_146073
1366	1455978_a_at	0.005251	510	165.43	Matn2	BB360028	NM_031881
1367	1424136_a_at	0.005267	413.83	307.6	Kcnk2	NM_010607	NM_010607 XM_484589 /// XM_485828
1368	1447500_at	0.005276	1751.47	1166.87	[illegible]	[illegible]	[illegible]
1369	1452713_a_at	0.005277	650.93	444.7	Wdr57	AK002371	NM_025645
1370	1428468_at	0.005279	855.8	706.37	3110043O21Rik	AK014175	XM_283954
1371	1423230_at	0.005285	183.53	142.2	Inpp5e	BM217803	NM_033134
1372	1434664_at	0.005286	1917.37	1488.43	2410129H14Rik	BI153133	NM_175245
1373	1455072_at	0.005288	1287.9	926.43	Cri1	BC010712	NM_025613
1374	1460359_at	0.005288	3150.1	2380.57	Lamb1-1	BG970109	NM_008482
1375	1423444_at	0.00529	867.87	625.17	Pnrc1	BI410130	XM_131355
1376	1434935_at	0.005294	1152.37	957.2	Aak1	BB357557	[illegible]
1377	1435705_at	0.005299	494.4	393.63	Mga	AK009477	NM_013720
1378	1436015_s_at	0.005315	2033.13	1352.93	Stk4	BG067678	[illegible]
1379	1420196_s_at	0.005318	2720.6	2120.6	[illegible]	AV259382	[illegible]
1380	1456054_a_at	0.005327	2481.33	[illegible]	2810482I07Rik	AK013434	[illegible]
1381	1460004_x_at	0.005333	3303.77	2258.63	Nnt	BB205930	NM_008710
1382	1455849_at	0.005339	254.8	160.77	Tnfsf1ip1	[illegible]	NM_134138
1383	1425814_a_at	0.005348	135.1	84.63	Calcr1	[illegible]	NM_001034851 /// NM_025459
1384	1424683_at	0.005356	2713	1967.27	1810015C04Rik	BC019494	NM_018782
1385	1448212_at	0.005362	846.93	590.63	Nav1	BE980206	NM_173437
1386	1456573_x_at	0.005366	725.2	548.43	Stx6	BB492711	NM_021433
1387	1428624_at	0.005394	629.73	448.17	Pum1	BB314559	NM_030722
1388	1419925_s_at	0.005408	1521.73	1213.3	Tbc1d14	C77429	NM_133910
1389	1445574_at	0.005408	519.77	378.5	Stk4	BB141897	NM_021420
1390	1431232_a_at	0.005428	647.93	463.7	LOC232875	BB305660	XM_133185
1391	1455603_at	0.00543	4845.87	3060.93	Aak1	BG067888	NM_177762
1392	1433668_at	0.005431	3025.77	2105.53	Rock1	BI562863	NM_009071
1393	1424114_s_at	0.005432	245.73	144.07	LOC434247	AK004598	XM_486012
1394	1448405_a_at	0.005432	9700.77	7086.83	4933409L06Rik	BQ032733	XM_129509
1395	1435923_at	0.005433	1507.57	1069.17	Gm237	BB667109	NM_001005419
1396	1450706_a_at	0.005463	4669.73	3529.9	Arl3	NM_019718	NM_019718
1397	1438310_at	0.005467	2240	1822.93	[illegible]	BB353853	[illegible]
1398	1424071_s_at	0.005469	1334.2	998.1	[illegible]	BC018507	BC018507 XM_358313
1399	1435991_at	0.005472	500.83	367.37	Nr3c2	BQ174990	XM_356093
1400	1422569_at	0.005477	1868.73	1685.33	Yy1	BI665246	NM_009537
1401	1449158_at	0.005481	1591.93	1168.1	Ppih	LOC433064	LOC434090 BC016565 /// NM_028677 ///
1402	1441305_at	0.005489	1632.23	1012.47	Nedd41	BB338441	NM_016762
1403	1438619_x_at	0.00549	2103.97	1756.33	Gprc5b	BC020004	NM_022420

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Table 9

1404	1450928_at	0.005516	1765.6	1051.43	Id4	BB121406	NM_031166
1405	1423641_s_at	0.005518	3676.43	2719.2	Cnot7	BC006021	NM_011135
1406	1454074_a_at	0.005522	2652.2	1992.43	1500011J06Rik	AK005213	NM_001005525 /// NM_025438
1407	1457434_s_at	0.005522	1401.07	1058.9	Ptpla	AV102876	NM_001012396 /// NM_013935
1408	1436729_at	0.005539	845.97	649.47	2600003E23Rik	AV328634	NM_027373
1409	1452038_at	0.00554	1473.83	1388.47	Capza1 LOC546155	AI463215	NM_009797 /// XM_620782
1410	1452197_at	[illegible]	351.6	225.73	Smc4l1	AV172948	NM_133786
1411	1415872_at	0.005541	5159.87	4447	Hnrph1	NM_021510	NM_021510
1412	1438677_at	0.005547	1018.3	911.2	Pkp4	AW764208	NM_026361
1413	1454879_s_at	0.00555	507.1	423.47	1700052N19Rik	BM235411	NM_024261
1414	1417600_at	0.005551	791.47	553.47	Slc15a2	NM_021301	NM_021301
1415	1438276_at	0.005554	174.07	142.17	Ttc19	BM239260	NM_028350
1416	1422711_a_at	0.005559	2022.53	1592.77	Pnck	NM_012040	NM_012040
1417	1424214_at	0.00556	1237.3	981.43	9130213B05Rik	BC006604	NM_145562
1418	1423045_at	0.005563	940.1	799.17	Ncbp2	BE285362	NM_026554
1419	1418401_a_at	0.005579	486.17	321.63	Dusp16	NM_130447	NM_130447 /// NM_181320
1420	1434196_at	0.00559	621.43	435.27	Dnaja4	BQ176119	NM_021422
1421	1452380_at	0.005592	745.4	535.7	Epha7	BB075797	NM_010141
1422	1435576_at	0.005601	602	478.9	AW413774	BQ176195	---
1423	1417685_at	0.005615	568.23	473.3	Ankfy1	NM_009671	NM_009671
1424	1433476_at	0.005622	4183.07	3456.87	C78339	BG075168	XM_127312
1425	1436152_a_at	0.005627	3422.67	2325.83	Hbxip	AV053864	XM_131076
1426	1452769_at	0.005628	5090.73	4143.2	3732413I11Rik	AK014408	NM_028862
1427	1444615_x_at	0.005632	804.77	411.8	Cbfa2t1h	AV327778	NM_009822
1428	1421425_a_at	0.005636	6789.1	5796.9	Dscr1l1	NM_030598	NM_030598 /// NM_207649
1429	1434025_at	0.005653	914.63	707.1	---	BG069607	---
1430	1456233_at	0.005689	455.9	328.4	---	BB080923	---
1431	1433581_at	0.005701	1752	1361.8	1190002N15Rik	AV309085	XM_147036
1432	1456135_s_at	0.005704	506.83	307.27	Pxn	BB530368	NM_011223 /// NM_133915
1433	1427886_at	0.005715	2069.97	1690.13	Pom121	BC028835	NM_148932
1434	1434005_at	0.005727	774.47	561.27	Rbms1	AW541585	NM_020296
1435	1421017_at	0.005738	806.83	553.1	Nrg3	NM_008734	NM_008734
1436	1453421_at	0.00575	2154.83	1715.1	Srr	AK002636	NM_013751
1437	1423117_at	0.005752	2297.7	1886.93	Pum1	BB837171	NM_030722
1438	1456336_at	0.005753	833.93	659.87	A330102K23Rik	BB182912	NM_153409
1439	1421115_a_at	0.005763	647.73	558.93	Zdhhc16	NM_023740	NM_023740
1440	1447877_x_at	0.005771	300.2	162.47	Dnmt1	BB116018	NM_010066
1441	1433572_a_at	0.005775	3175.63	2730.03	BC010304	AA673192	---
1442	1434149_at	0.005775	3068.33	2075.13	Tcf4	BB364520	NM_013685
1443	1440879_at	0.005783	298.53	234.07	Abca9	AW046072	NM_147220
1444	1453313_at	0.005784	3496.83	2335.33	Sesn3	AK017464	NM_030261

Table 9

1445	1436597_at	0.005785	718.97	560.67	Ank1	BM243710	---
1446	1417938_at	0.005817	80.63	39.[illegible]	[illegible]	[illegible]	[illegible]
1447	1434819_at	0.005818	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1448	1434376_at	0.00582	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1449	1448005_at	0.005825	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1450	1439255_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1451	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	XM_622624
1452	1419100_at	0.005832	969.2	697.13	[illegible]	[illegible]	[illegible]
1453	1438024_at	0.005832	159[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1454	1450[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1455	1417770_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1456	1449465_at	0.00584	411[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1457	1434313_at	0.005842	509.67	[illegible]	[illegible]	[illegible]	[illegible]
1458	1429899_at	0.005857	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1459	1439387_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1460	1454826_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1461	1449068_at	0.005891	215[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1462	1438069_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1463	1416082_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1464	1429585_s_at	0.005896	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1465	1418854_at	0.005899	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1466	1433906_a[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1467	1455242_at	0.00591	381[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1468	1416488_at	0.005917	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1469	1453289_at	0.005923	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1470	1425508_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1471	1448167_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1472	1456464_x_at	0.005944	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1473	142[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1474	1448208_at	0.005957	1037	[illegible]	[illegible]	[illegible]	[illegible]
1475	1442381_a[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1476	1436135_at	0.005968	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1477	1449429_at	0.005987	1389	[illegible]	[illegible]	[illegible]	[illegible]
1478	1435196_at	0.005989	219[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1479	1416430_a[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1480	1458134_at	0.005991	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1481	1430137_at	0.006003	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1482	1438606_a[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1483	1433985_at	0.006019	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1484	1428433_at	0.006022	240[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1485	1424033_at	0.006023	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1486	1418024_at	0.006024	873	[illegible]	[illegible]	[illegible]	[illegible]

Table 9

1487	1434831_a_at	0.006027	592.9	492.27	Foxo3a	BB364488	NM_019740
1488	1455785_at	0.00604	3887.13	3192.07	Kcna1	BQ175978	NM_010595
1489	1438629_x_at	0.006042	1792.53	1381.43	[illegible]	BM227771	[illegible]
1490	1439990_at	[illegible]	[illegible]	[illegible]	Coil	NM_016706	NM_016706
1491	[illegible]	[illegible]	[illegible]	1421.47	Tmem33	BB795429	NM_028975
1492	1434721_at	0.006066	[illegible]	[illegible]	Npat	BM207451	XM_146900
1493	1439862_at	[illegible]	[illegible]	[illegible]	Pnrc2	NM_026383	NM_026383
1494	1460005_at	0.006083	[illegible]	[illegible]	Rasal	AA124924	NM_145452
1495	1442143_at	0.006102	359	306.67	Rnu22	BQ177137	[illegible]
1496	1428355_at	0.006105	1594	1379.53	Sbno1	BE947961	XM_355637
1497	1429431_at	0.00611	[illegible]	[illegible]	Scyl2	BM249802	NM_198021
1498	1433752_at	[illegible]	1569.93	1134.93	Dmxl2	AK018275	XM_358382
1499	1455244_at	[illegible]	1608	1296.37	Osbpl11	BM220135	NM_176840
1500	1448499_a_at	0.006118	[illegible]	[illegible]	Ephx2	BG074645	NM_172424
1501	1434569_at	[illegible]	[illegible]	[illegible]	Laptm4b	AU024771	NM_033521
1502	1455368_at	0.006129	[illegible]	[illegible]	Ureb1	BM248615	NM_021523
1503	1426753_at	0.006164	439.87	328.1	Mtdh	AV083741	NM_026002
1504	[illegible]	[illegible]	401.77	[illegible]	1110005A23Rik	AV084012	NM_025364
1505	1435241_at	0.006178	[illegible]	[illegible]	Disp2	BB023743	NM_170593
1506	1427990_at	0.00618	1805.8	1103.27	Rgn	AV235481	NM_178615
1507	1420003_at	[illegible]	1494.47	1249.07	D19Bwg1357e	AW324123	NM_177474
1508	1456088_at	0.006195	1031.43	852.7	Birc4	BP134200	NM_009688
1509	1434173_s_at	0.006195	[illegible]	[illegible]	Nsun5	C80273	NM_145414
1510	1459366_at	0.006207	[illegible]	[illegible]	Usp45	BM249286	NM_152825
1511	1435404_at	[illegible]	[illegible]	[illegible]	D930036F22Rik	AV285222	NM_177171
1512	1439438_a_at	[illegible]	[illegible]	314.1	Nudcd2	BC005646	NM_026023
1513	1434882_at	0.006233	432	328.1	Phf17	BG065238	NM_172303
1514	1424949_at	0.00624	[illegible]	[illegible]	Zdhhc3	AV076190	NM_026917
1515	1436915_x_at	[illegible]	[illegible]	820.1	Ephx2	BB428484	XM_132031
1516	1434602_at	0.006259	[illegible]	229.6	Ephx2	NM_007940	NM_007940
1517	1455534_s_at	[illegible]	[illegible]	1296.37	Daam1	BB794633	NM_026102
1518	[illegible]	[illegible]	[illegible]	[illegible]	D030016B14Rik	BG076254	NM_177240
1519	1436313_at	[illegible]	[illegible]	775.43	Zfpn1a	AK009564	NM_175115
1520	1455026_at	0.006317	[illegible]	1379.53	Osbp2	AI326285	NM_152818
1521	1433675_at	0.006328	[illegible]	306.67	Tmem16d	AI463477	NM_178773
1522	1426477_at	0.00633	987	[illegible]	Rasa1	BB542960	XM_287445
1523	1416187_s_at	[illegible]	[illegible]	1072.47	[illegible]	BB367351	XM_488870
1524	1456485_at	0.006335	[illegible]	769.9	D5Ertd585e	AV378849	NM_027922
1525	1436028_at	[illegible]	[illegible]	1421.47	Tmem33	C130071C03Rik	AV252614
1526	1416692_at	0.006344	1074.6	[illegible]	Coil	BB460243	[illegible]
1527	1433903_at	[illegible]	[illegible]	1381.43	Gm	AV166504	NM_008175
1528	1416610_a_at	[illegible]	3361.57	[illegible]	Kcna1	BQ175978	NM_010595

Table 9

1529	1424420_at	0.006374	744.13	574.87	Ccpg1	BC006717	NM_028181
1530	1434480_at	0.006375	517.1	396.77	4930402E16Rik	BB667201	NM_198308
1531	1434061_at	0.006376	489.73	328.2	Rp2h	BB431808	NM_133669
1532	1424922_a_at	0.006384	865.03	717.73	Brd4	BC008532	NM_020508 /// NM_198094
1533	1426827_at	0.006388	1496.6	1052.47	A730098D12Rik	AV025877	
1534	1417791_a_at	0.006398	1404.87	1301.87	Zfml	BM238431	NM_008717
1535	1460401_at	0.0064	1534.63	1162	2310050N11Rik	BC022925	XM_193956
1536	1416185_a_at	0.006401	2458.37	1974.27	Adh5	NM_007410	NM_007410
1537	1460455_at	0.006401	3323.53	2390.4	1110059H15Rik	BB667784	XM_485005
1538	1438510_a_at	0.006406	4396.67	3189.87	Hars	BB451746	NM_008214
1539	1424501_at	0.006412	1029.2	775.43	4732497O03Rik	BC025074	NM_144826
1540	1441391_at	0.006419	154.5	53.	Gnb1l	BG069873	NM_023120
1541	1436546_at	0.006423	491.17	417.27	6330549D23Rik	BM502719	NM_175469
1542	1422835_at	0.006428	3983.87	2930.17	Kcnd2	BB051684	NM_019697
1543	1460168_at	0.006441	1398.83	988.9	Slbp	NM_009193	NM_009193
1544	1444007_at	0.006456	378.8	226.73	A830082K12Rik	BB380706	
1545	1438794_x_at	0.006458	5881.67	3815.57	Rpsl3	AI642440	NM_026533
1546	1439779_at	0.006462	2398.73	1851.93	---	BB356939	---
1547	1418627_at	0.006464	977.97	758.5	Gclm	NM_008129	NM_008129
1548	1419067_a_at	0.006464	1171.57	945.3	Rabgef1	BB280137	NM_019983
1549	1448515_at	0.006483	1270.97	985.33	Tsn	BB818311	NM_011650
1550	1452731_x_at	0.006505	3345.53	2331.53	LOC544986	BM195235	NM_001024713 /// NM_001029930 /// NM_025940 /// XM_619175 /// XM_619180 /// XM_619188 /// XM_619189 /// XM_619191 /// XM_619194 /// XM_619197 /// XM_619206
1551	1455187_at	0.006505	213.57	125.17	Zbtb40	BM231844	NM_198248
1552	1440169_x_at	0.006511	145.93	109.83	Ifnar2	BB522265	NM_010509
1553	1433781_a_at	0.006521	2448.1	1655.73	Cldn12	AW554231	NM_022890
1554	1437310_at	0.006524	697.2	484.87	Bbs1	BB121315	XM_355129
1555	1446512_at	0.006539	103.07	58.53	2610312B22Rik	BB439838	NM_026934
1556	1435227_at	0.00654	1481.8	978.23	---	BM117007	---
1557	1438945_x_at	0.006543	4858.67	3129.57	Gja1	BB142324	NM_010288
1558	1424443_at	0.006559	704.73	496.67	Tm6sf1	AV378394	NM_145375
1559	1437124_at	0.006559	353.17	229.17	A630052C17Rik	AV338185	NM_177255
1560	1426469_a_at	0.006567	552.8	433.37	Tbp	BG069472	NM_013684
1561	1439106_at	0.006568	696.73	609.13	Zfp462	AV320128	NM_172867
1562	1438415_s_at	0.00657	476.33	326.23	Yipf2	AV166218	NM_138303
1563	1455700_at	0.006574	710.03	520.73	Mterfd3	BB359043	NM_028832
1564	1437467_at	0.006575	2948.03	2083.27	Alcam	AV315205	NM_009655
1565	1455409_at	0.006588	2004.5	1750.53	Spire1	BM234794	NM_176832 /// NM_194355
1566	1418915_at	0.006584	507.3	339	1810037K07Rik	NM_025962	NM_025962
1567	1426683_at	0.006587	801.97	627.13	Cnot6	BM940481	NM_212484
1568	1429976_at	0.006587	159.33	95.77	Clasp2	AK005146	NM_029633

Table 9

1569	1450493_at	0.006591	169.73	138.73	Gpr54	BC016531	NM_053244
1570	1435590_at	0.006595	789.47	510.93	D430047L21Rik	AV325177	
1571	1455312_at	0.006597	1181.7	882.33	Phc3	BM241699	NM_153421
1572	1426380_at	0.006598	3756.2	2841.3	Eif4b	AW741459	NM_145625
1573	1452385_at	0.006598	422.1	262.83	Usp53	BG076275	NM_133857
1574	1448388_a_at	0.006603	1633.47	1300.33	1110002B05Rik	NM_134054	NM_134054
1575	1428417_at	0.006606	2408.5	1590.07	3110050N22Rik	BE198251	NM_173181
1576	1435668_at	0.006607	838.03	613.03	---	AW049283	
1577	1435769_at	0.006616	1112.83	875.37	Akap9	AV228342	NM_194462
1578	1437920_at	0.006618	1176.23	935.37	Epha5	AI854630	NM_007937
1579	1460567_at	0.006629	972.7	691.5	Rfxdc2	BB148972	
1580	1426894_s_at	0.006642	1611.47	1446.33	C230093N12Rik	BC023470	NM_153560
1581	1449616_s_at	0.006648	693.53	528.43	Golga3	AW490576	NM_008146
1582	1418157_at	0.006649	4899.87	3500.83	Nr2f1	NM_010151	NM_010151
1583	1433872_at	0.006651	468.93	336.57	2410042D21Rik	BB143137	NM_024254
1584	1429984_at	0.006664	194.8	124.67	5730455O13Rik	AK017666	XM_129261
1585	1433534_a_at	0.006667	2580.63	1623.57	Cct2	AV172084	NM_007636
1586	1427157_at	0.006676	749.6	403.53	E030025D05Rik	AW060797	NM_181577
1587	1455695_at	0.006684	1282.63	724.2	St sial	BI736113	NM_011374
1588	1448425_at	0.006696	4254.7	3329.27	Eif3s10	AW701127	NM_010123
1589	1460597_at	0.0067	336.4	232.03	Asxl2	AV312178	NM_172421
1590	1447776_x_at	0.006703	9654.5	7703.33	Rab6	AV334024	NM_024287
1591	1438268_at	0.006714	1436.43	825.97	Mnab	BB527789	XM_130233
1592	1426900_at	0.006717	2418.73	1594.7	Jmjd1c	AV293164	XM_354543
1593	1434746_at	0.006718	468.7	305.33	Mga	BG797579	NM_013720
1594	1430154_at	0.006729	1131.13	999.7	4930543C13Rik	AI666321	
1595	1448611_at	0.006743	698.8	580.57	D8Ertd594e	NM_133791	NM_133791
1596	1455538_at	0.006744	5198.37	4004.33	6330403M23Rik	BM200963	
1597	1436326_at	0.006771	1900.4	1192.07	Rora	BB306272	NM_013646
1598	1435170_at	0.006783	1904.03	1181.93	2310007F12Rik	BQ177187	NM_175146
1599	1417140_a_at	0.006797	687.03	476.07	Ptpn2	NM_008977	NM_008977
1600	1454136_a_at	0.006797	980.07	611.47	4921524J17Rik	AK013123	NM_025722
1601	1444465_at	0.00682	70.9	22.4	Ube4b	BB160318	NM_022022
1602	1456475_s_at	0.006823	2169.47	1879.4	Prkar2b	BB216074	NM_011158
1603	1426748_s_at	0.006826	143.2	111.47	Abcf3	AI552141	NM_013852
1604	1428724_at	0.00683	411.53	353.27	Pcf11	BB283573	NM_029078
1605	1416426_at	0.006838	5899.13	5105.97	Rab5a	NM_025887	NM_025887
1606	1428731_at	0.006839	852.83	663.63	Usp54	AK019588	NM_030180
1607	1455898_at	0.006841	1249.87	689.67	Pura	AI426862	NM_008989
1608	1460736_at	0.006842	641.07	457.03	AF013969	BM247617	XM_287445
1609	1433486_at	0.006846	3341.13	3049.3	Clcn3	BI739053	NM_007711 /// NM_173876
1610	1432813_at	0.006847	968.7	510	2900064F13Rik	AK013749	

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1611	1435060_at	0.006854	3818.93	2783.5	Tmod2	BB667124	NM_016711
1612	1437219_at	0.006854	311.8	283.2	Igf1r	AW553541	NM_010513
1613	1426461_at	0.006859	735.83	625.3	Ugp2	AI788759	NM_139297
1614	1417321_at	0.006863	1078.27	869.3	D4Wsu132e	NM_138590	NM_138590
1615	1425334_at	0.006869	187.87	135.33	Gorasp1	AV094567	NM_028976
1616	1427020_at	0.00687	887.4	605.57	Scara3	BC026446	NM_172604
1617	1448288_at	0.006889	883.1	645.77	Nfib	BB832504	NM_008687
1618	1425898_x_at	0.006895	1069.47	842.83	Olfm3	AF442824	NM_153157 /// NM_153458
1619	1419406_a_at	0.006897	3078.1	2125.13	Bcl11a	NM_016707	NM_016707
1620	1438073_at	0.006898	148.03	105.5	AW047633	---	---
1621	1415772_at	0.006906	420.13	237.73	Ncl	BF118393	NM_010880
1622	1449749_s_at	0.006907	292.57	159.3	Tfblm	AI429207	NM_146074
1623	1418640_at	0.006915	508.77	302	Sirt1	NM_019812	NM_019812
1624	1435832_at	0.006918	1452.83	976	Lrrc4	BB332932	NM_138682
1625	1424670_s_at	0.00692	746.93	634.07	Zfyve21	BC019521	NM_026752
1626	1454725_at	0.006925	1539.43	1075.53	D5Bwg0860e	BB461022	NM_027530
1627	1420093_s_at	0.006931	2785.67	2632.17	Hnrpdl	AU015266	NM_016690
1628	1416852_a_at	0.006972	16850.87	14653.43	Ncdn	BC017126	NM_011986
1629	1429215_at	0.006976	361.47	257.27	2310058N22Rik	BQ175646	---
1630	1417135_at	0.006987	4604.47	3689.8	Srpk2	NM_009274	NM_009274
1631	1423781_at	0.006994	3124.43	2814.07	Appbp1	BC019163	NM_144931
1632	1455883_a_at	0.006994	1827.4	1269.33	Lrrtm1	BB269910	NM_028880
1633	1457566_at	0.006998	204.47	82.37	A830058L05Rik	BB271764	NM_172486
1634	1434942_at	0.007003	1496.73	1165.53	2610101J03Rik	BM248080	XM_130548
1635	1424848_at	0.00701	1964.37	1214.5	Kcnma1	U09383	NM_010610
1636	1436774_at	0.007014	2989.6	2365.07	Sellh	BI661339	NM_011344
1637	1434344_at	0.007019	1475.23	1193.47	Gpkow	BG073356	NM_173747
1638	1442786_s_at	0.007021	9276.43	6505.43	G430041M01Rik	BG069073	NM_198102
1639	1416148_at	0.007022	2383.6	1878.77	Laptm4b	BC019120	NM_033521
1640	1420429_at	0.007022	826	599.57	Pcdhb3	NM_053128	NM_053128
1641	1433767_at	0.007022	2181.5	2031.3	1110018G07Rik	AV257687	NM_178065
1642	1435829_at	0.007033	468.13	316.43	B930008K04Rik	BM242273	NM_175446
1643	1416861_at	0.007058	1523.07	1362.63	Stam	NM_011484	NM_011484
1644	1423460_at	0.007059	680.77	529.53	Perq1	BI688428	NM_031408
1645	1428582_at	0.007062	663	583.3	2010208K18Rik	AK008476	NM_028095
1646	1448785_at	0.007065	895.73	667.47	Cbfa2t1h	BG072085	NM_009822
1647	1439901_at	0.007066	382.1	240.93	---	BQ129438	---
1648	1438739_at	0.007067	580.1	454.27	Cnbp1	BM237919	NM_013493
1649	1453246_at	0.007078	1904.83	1422.9	Rab39b	AK020665	NM_175122
1650	1434023_at	0.007088	781.37	561.37	AU016693	BG065282	NM_178686
1651	1434607_at	0.007108	299.1	210.53	Ddx52	BB132474	NM_030096
1652	1423564_a_at	0.007113	4257.43	3073.07	Paics	BM207712	NM_025939

Table 9

1653	1456320_at	0.007117	2673.13	1901.3	BC049806	BB701297	NM_172513
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1655	1452110_[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1656	1420091_s_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1657	1422638_s_at	0.007139	530.[illegible]	[illegible]	BM114149	Rassf5	[illegible]
1658	1436503_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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1660	1435382_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1661	1441682_s_at	0.007192	1812.9	[illegible]	BQ101405	Xpot	C79645
1662	1421849_at	0.007196	[illegible]	NM_009842	AV169215	Cd151	Stag2
1663	141[illegible]	[illegible]	[illegible]	[illegible]	BE198251	3110050N22Rik	[illegible]
1664	1415751_at	0.007[illegible]	[illegible]	[illegible]	BI963573	Poldip3	[illegible]
1665	1434752_at	0.007212	[illegible]	NM_172413	AK008416	Rap2c	[illegible]
1666	1416799_at	0.007215	1012.43	[illegible]	AV324314	[illegible]	[illegible]
1667	1419583_at	0.007215	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1668	1424464_s_at	[illegible]	[illegible]	BE865094	AI448196	[illegible]	[illegible]
1669	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Tmem47	[illegible]
1670	1437511_x_at	0.0[illegible]	[illegible]	NM_023631	Aox4	Clcc1	[illegible]
1671	1437744_at	0.0[illegible]	[illegible]	[illegible]	Dym	[illegible]	[illegible]
1672	1424159_at	0.007251	297.[illegible]	BB448458	1300010[illegible]	[illegible]	[illegible]
1673	1421883_at	0.007255	NM_011895	NM_011895	Slc35a1	[illegible]	[illegible]
1674	1436762_x_at	[illegible]	[illegible]	BB251911	Elp3	775.13	[illegible]
1675	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NM_207686
1676	1[illegible]	[illegible]	[illegible]	[illegible]	BC016089	[illegible]	[illegible]
1677	1423736_a_at	[illegible]	[illegible]	BB357579	Slitrk4	[illegible]	[illegible]
1678	1419215_at	0.007297	NM_145543	BB100861	Clcc1	Aox4	[illegible]
1679	1420514_at	0.0[illegible]	[illegible]	BB736474	2210010L05Rik	Tmem47	[illegible]
1680	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NM_178081
1681	1419258_at	0.007309	342[illegible]	[illegible]	Cbx4	[illegible]	[illegible]
1682	1440831_at	0.007313	[illegible]	[illegible]	Trpm7	[illegible]	[illegible]
1683	1460430_at	0.007315	NM_011751	AV338324	Zfp207	[illegible]	[illegible]
1684	1434176_x_at	[illegible]	[illegible]	BC020024	Hplbp3	[illegible]	[illegible]
1685	1428418_s_at	0.0[illegible]	NM_008241	NM_008241	Foxg1	[illegible]	[illegible]
1686	1456085_x_at	0.0[illegible]	NM_021465	NM_021465	Stag2	Cd151	[illegible]
1687	1456904_at	0.007332	[illegible]	[illegible]	C79645	Xpot	[illegible]
1688	1428483_a_at	0.0[illegible]	[illegible]	AW743020	Ndn	[illegible]	[illegible]
1689	1429447_at	0.0[illegible]	[illegible]	BF228051	[illegible]	[illegible]	[illegible]
1690	1451364_at	[illegible]	[illegible]	[illegible]	BC048546	Polr3g	[illegible]
1691	1457342_at	0.0[illegible]	NM_018750	NM_018750	Rassf5	[illegible]	[illegible]
1692	1417269_[illegible]	[illegible]	[illegible]	XM_489605	AI452146	Morc3	Cdk9
1693	1422881_s_at	0.007383	[illegible]	NM_172480	BB757908	Sypl	[illegible]
1694	1[illegible]	[illegible]	[illegible]	NM_153157	BB667895	[illegible]	[illegible]

Table 9

1695	1438553_x_at	0.007403	226.5	152.57	4930453N24Rik	BB817087	XM_148353
1696	1435774_at	0.007414	[illegible]	[illegible]	[illegible]	BB463518	[illegible]
1697	1426671_a_at	0.007418	[illegible]	[illegible]	Cmpk	BI157572	[illegible]
1698	1428891_at	0.007433	[illegible]	[illegible]	Wnk1	BM232571	NM_198703
1699	1455395_at	0.007433	[illegible]	[illegible]	Elf2	NM_023502	NM_023502
1700	1424780_a_at	0.007452	[illegible]	[illegible]	Kctd3	BB321232	NM_172650
1701	1454684_at	0.007452	[illegible]	[illegible]	Pcgf6	BC016195	NM_027654
1702	1418390_at	0.007459	[illegible]	[illegible]	Harsl	NM_080636	NM_080636
1703	1424166_at	0.007461	[illegible]	[illegible]	Pten	AV232438	NM_008960
1704	1428935_at	0.007471	[illegible]	[illegible]	Zdhhc2	BB342242	NM_178395
1705	1456728_x_at	0.007473	1358.	[illegible]	[illegible]	BB080017	[illegible]
1706	1453364_x_at	0.00747	[illegible]	[illegible]	Kifap3	D50366	NM_010629
1707	1448083_at	0.007483	2303.43	[illegible]	[illegible]	AV340615	[illegible]
1708	1418386_at	0.007484	[illegible]	[illegible]	Smc4l1	BI665568	NM_133786
1709	1452514_a_at	0.007485	[illegible]	[illegible]	Flcn	AV269574	NM_146018
1710	1435975_at	0.007501	[illegible]	[illegible]	Faiz	AA867746	XM_126724
1711	1440273_at	0.007504	[illegible]	[illegible]	Hspa1a	AW763765	NM_010479
1712	1423800_at	0.007522	[illegible]	[illegible]	Capn2	NM_009794	NM_009794
1713	1436759_x_at	0.007524	[illegible]	[illegible]	[illegible]	AV221988	NM_019826
1714	1436088_at	0.007527	[illegible]	[illegible]	Glrb	NM_010298	NM_010298
1715	14[illegible]	0.007547	[illegible]	[illegible]	Hmgn3	AV018952	NM_175074
1716	1436733_at	0.007553	[illegible]	[illegible]	E130309F12Rik	BB523550	NM_178756
1717	1434875_a_at	0.007556	[illegible]	[illegible]	Psen1	L42177	NM_008943
1718	1422504_at	0.007559	[illegible]	[illegible]	9910001A06Rik	AV033641	NM_144846
1719	1449001_at	0.00756	[illegible]	[illegible]	Cnn3	AV172168	NM_028044
1720	1416257_	0.007572	[illegible]	[illegible]	Dars	BC008638	NM_145507
1721	1452388_at	0.007572	[illegible]	[illegible]	LOC545753	BB524346	XM_620195
1722	1456615_a_at	0.007603	[illegible]	[illegible]	[illegible]	AI115600	XM_134902
1723	1438167_x_at	0.007604	[illegible]	[illegible]	Kit	X65997	NM_021099
1724	1427275_at	0.007608	[illegible]	[illegible]	2510005D08Rik	[illegible]	NM_026526
1725	1455351_at	0.007626	[illegible]	[illegible]	A930012M17	BE861826	XM_484423
1726	1451[illegible]	0.007647	[illegible]	[illegible]	9130019O22Rik	AK020267	NM_030226
1727	1439322_at	0.007647	[illegible]	[illegible]	Acol	BB504570	NM_007386
1728	1453481_at	0.007653	[illegible]	[illegible]	Canx	AI988026	NM_007597
1729	1455728_at	0.007653	[illegible]	[illegible]	Msh3	M80360	NM_010829
1730	1449371_at	0.007655	[illegible]	[illegible]	Phf21a	BB094173	NM_138755
1731	1424081_at	0.007671	[illegible]	[illegible]	Bbs2	BG074932	NM_027810
1732	1455816_a_at	0.007675	[illegible]	[illegible]	D10Ucla1	AK005026	NM_178606
1733	1418275_a_at	0.007679	[illegible]	[illegible]	4933425A18Rik	BB446073	NM_027695
1734	1433676_at	0.007682	[illegible]	[illegible]	9130213B05Rik	AK008716	XM_145562
1735	1423073_at	0.007691	[illegible]	[illegible]	Rnpc2	BG862129	NM_133242
1736	1438018_at	0.007694	2025.7	1661.17	[illegible]	AV024517	[illegible]

Table 9

1737	1454814_s_at	0.007696	316.1	248.83	AU0[illegible]	BG064779	---	
1738	1456531_x_at	[illegible]	[illegible]	[illegible]	[illegible]	BB4585[illegible]	[illegible]	
1739	1451179 a at	0.0[illegible]	[illegible]	[illegible]	[illegible]	AF0904[illegible]	[illegible]	
1740	142[illegible]	0.00[illegible]	[illegible]	[illegible]	[illegible]	BC0111[illegible]	[illegible]	
1741	1423195_a[illegible]	[illegible]	[illegible]	[illegible]	Hiat1	[illegible]	[illegible]	
1742	1419170_at	0.007771	[illegible]	[illegible]	231004[illegible]	[illegible]	[illegible]	
1743	1426814_at	0.0[illegible]	894.[illegible]	727.87	AU024[illegible]	BM2483[illegible]	[illegible]	
1744	1453782_at	0.0[illegible]	1174.[illegible]	753.4[illegible]	302140[illegible]	[illegible]	[illegible]	
1745	1439057_x_at	0.007781	830.[illegible]	602.03	[illegible]	[illegible]	[illegible]	
1746	14297[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NM_0[illegible]	[illegible]	
1747	1416953_at	0.007792	617	[illegible]	Ctgf	[illegible]	NM_010[illegible]	
1748	1420485_at	0.0[illegible]	175.[illegible]	[illegible]	AW0607[illegible]	NM_023[illegible]	[illegible]	
1749	1[illegible]	[illegible]	2371	[illegible]	4E20R	NM_0[illegible]	NM_025[illegible]	
1750	1440350_at	0.007808	422.[illegible]	[illegible]	Panx2	NM_001[illegible]	[illegible]	
1751	1451019_at	0.00781	[illegible]	[illegible]	Cts	AK0174[illegible]	NM_0[illegible]	
1752	1424358_at	0.007823	2389.2	[illegible]	Ube2e	BC0162[illegible]	NM_1[illegible]	
1753	1435526_a[illegible]	[illegible]	[illegible]	[illegible]	Torlai[illegible]	BM248[illegible]	NM_1[illegible]	
1754	1420798_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	03672
/// NM_007766 /// NM_[illegible] ///								
NM_138662 /// NM_1386[illegible]	[illegible]	[illegible]	Tpr	243	[illegible]	[illegible]	[illegible]	
1755	1457272_at	0.0[illegible]	734.[illegible]	209[illegible]	[illegible]	[illegible]	[illegible]	
1756	1434553_at	0.0[illegible]	1386.[illegible]	1055.5	Tmem56	BB667.[illegible]	NM_1[illegible]	
1757	1452095_a_at	0.007851	581.03	[illegible]	H47[illegible]	AK0052[illegible]	NM_02[illegible]	
1758	1426949 s at	0.007862	1682.23	1457.33	[illegible]	[illegible]	[illegible]	
[illegible] /// NM_001003672								
1761	1429013_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1762	1422467_at	0.0[illegible]	2506	1933.3	[illegible]	[illegible]	[illegible]	
1763	1448229_s_at	0.0[illegible]	436[illegible]	317	Ccnd2	NM_009829	NM_009829	
1764	1455092_at	0.007882	622.9	[illegible]	Zfp207	AV338324	NM_011751	
1[illegible]	[illegible]	[illegible]	2656.[illegible]	1990.2	Crbn	AV156594	NM_021449 /// NM_175357	
1766	1435469_at	0.007904	346[illegible]	261.53	Qscn6l1	BM237031	NM_153559	
1767	1457015_at	0.007924	313.1	16[illegible]	Nef3	BB258427	NM_008691	
1768	1456405_at	0.0[illegible]	929.[illegible]	[illegible]	Didc1	BG063067	NM_011805 /// NM_175551 /// NM_177852	
[illegible]	[illegible]	[illegible]	44	972.57	---	AV340255	---	
1770	1429383_at	0.007945	[illegible]	861.7	Csnk1g3	BM195380	NM_152809	
1771	1436217_at	0.0[illegible]	1488.[illegible]	1059.23	Zfp148	BQ174706	NM_011749	
1772	1455496_a[illegible]	[illegible]	47	95.07	Pfas	AV306055	XM_111232	
1773	1424743_at	0.007948	[illegible]	[illegible]09.63	2610003J06Rik	BC010800	NM_028101	
1774	1452331_s_at	0.0[illegible]	283.[illegible]	181.53	4732486I23Rik	BC021511	XM_130565	
1775	1431054_at	0.0[illegible]	1045.[illegible]	799.17	Lsm6	AK019126	XM_134104	
1776	1423083_at	0.0[illegible]	1215	927.17	Rab33b	AK004974	NM_016858	

Table 9

1777	1436844_at	0.007974	3400.83	2289.37	---	AV257745	---
1778	1430820_a_at	0.007983	341.2	253.63	Bbx	BC024449	NM_027444
1779	1416145_at	0.007993	3686.83	2842.07	Dhx1	BC003745	NM_007839
1780	1428312_at	0.007993	875.53	681.13	2810002D13Rik	AK012637	NM_025657
1781	1426895_at	0.008002	1542.2	1145.8	Zfp191	BB573760	NM_021559
1782	1436070_at	0.008002	1113.27	926.63	Glo1	BM933153	NM_025374
1783	1428910_at	0.008016	2009.07	1693.57	2310022B05Rik	BI328156	NM_175149
1784	1460053_at	0.008018	267.37	199.87	Smyd4	BB021163	NM_177009
1785	1440859_at	0.00802	3610.1	3286.07	Akap6	BM122144	XM_484140
1786	1416408_at	0.008021	2320.67	1967.43	Acox1	AB034914	NM_015729
1787	1447849_s_at	0.008021	722.2	519.4	---	AV323441	---
1788	1416938_at	0.008035	2272.03	1861.8	Chchd10	NM_025366	NM_025366
1789	1424402_at	0.008049	5056.67	4352.9	D5Bwg0860e	AW494299	NM_027530
1790	1427959_at	0.008069	476.13	352.9	Abhd10	BB478745	NM_172511
1791	1437071_at	0.008116	3048.47	2156.83	Eif1ay	BB471576	NM_025437
1792	1417757_at	0.008121	645.2	543.5	Unc13b	NM_021468	NM_021468
1793	1423508_at	0.008128	1202.43	957.8	Myst4	BB527816	NM_017479
1794	1424769_s_at	0.008142	689.9	428.3	Cald1	BI248947	NM_145575
1795	1457494_at	0.008164	259.73	177.9	---	BB355134	---
1796	1435335_a_at	0.008184	1186.4	903.73	MGC79224	BG144467	NM_001004164
1797	1452767_at	0.008197	909.67	795.93	Rrbp1	AK019964	XM_622097
1798	1453000_at	0.008209	2504.67	2215	Camsap1l1	AK005444	XM_129477
1799	1445684_s_at	0.008213	2832.23	2210.37	Hdac2	AV292968	NM_008229
1800	1429403_x_at	0.008216	459.47	313.1	Glt8d2	AK003894	NM_029102
1801	1433642_at	0.008219	827.97	713.73	Arfrp2	BB384173	NM_172595
1802	1452982_at	0.008239	1782.73	1342.03	A330103N21Rik	BB446952	---
1803	1415761_at	0.008249	819.5	761.23	Mrpl52	AV021593	NM_026851
1804	1423295_at	0.008252	349.33	268.6	Tm9sf2	BB747462	NM_080556
1805	1417872_at	0.008253	2451.47	2013.27	Fhl1	U41739	NM_010211
1806	1418893_at	0.008259	954.97	736.5	Pbx2	NM_017463	NM_017463
1807	1450784_at	0.008288	329.17	221.43	Reck	NM_016678	NM_016678
1808	1451113_a_at	0.00829	2645.33	2005.27	Ik	BC014739	NM_011879
1809	1419914_s_at	0.008296	3231.5	2530.2	D10Ertd438e	AW538011	NM_030250
1810	1418760_at	0.008302	621.37	486.87	Rdh11	AB030503	NM_021557
1811	1431050_at	0.00831	317.13	149.4	Rps6ka5	BE291900	NM_153587
1812	1429108_at	0.008313	862.67	528.43	Rnf184	BB745314	XM_150227
1813	1440413_at	0.008334	346.87	179.77	A830006F12Rik	BB800596	NM_177164
1814	1426582_at	0.008342	3107.87	2939.97	Atf2	BM119623	NM_001025093 /// NM_009715
1815	1427233_at	0.008346	1389.83	916.97	Sdccag33	AV291373	XM_129060
1816	1418308_at	0.008356	410	316	Hus1	NM_008316	NM_008316
1817	1423796_at	0.008375	536.57	412.93	Sfpq	AY034062	NM_023603
1818	1417710_at	0.008382	4058.17	3249.97	0610012D09Rik	NM_021554	NM_021554

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1819	1416679_at	0.008389	2200.3	2028.3	Abcd3	BC009119	NM_008991
1820	1440396_at	0.008408	76.67	22.53	Mpp6	BG075893	NM_019939
1821	1424993_at	0.008436	1929.07	1487.9	8430410K20Rik	BC014729	NM_145609
1822	1423322_at	0.008439	2118.77	1782.13	Lin7c	BQ176612	NM_011699
1823	1427253_s_at	0.008439	999.6	834.13	Suz12	BG066534	NM_199196
1824	1438637_x_at	0.008459	2675.2	1521.73	Sf3b2	AV305279	NM_030109
1825	1423171_at	0.008468	571.8	327.27	Gpr88	BE947345	NM_022427
1826	1455988_a_at	0.008475	7492.97	6346.4	Cct6a	BM210281	NM_009838
1827	1431822_a_at	0.00848	1974.07	1791.27	Azi2	AK004992	NM_013727
1828	1427670_a_at	0.008492	1843.63	1308.3	Tcf12	M97636	NM_011544
1829	1455189_at	0.0085	1374.3	1002.2	8030451N04Rik	BB400432	
1830	1417410_s_at	0.008511	2210.2	1864.27	Prkci	NM_008857	NM_008857
1831	1416923_a_at	0.008521	2839.67	2356	Bnip3l	AK018668	NM_009761
1832	1429722_at	0.008533	1561.27	1185.73	Zbtb4	BB767069	XM_126150
1833	1418565_at	0.008535	314.63	232.33	Serbp1	BC006030	NM_025814
1834	1449979_a_at	0.008546	2018	1214.13	Spock3	NM_023689	NM_023689
1835	1451331_at	0.008565	895.47	694.83	Ppp1r1b	BC026568	NM_144828
1836	1423599_a_at	0.008568	1065.1	771.9	Pdcl	AK004704	NM_026176
1837	1428573_at	0.008575	1985.73	1398.43	Chn2	AK006398	NM_023543
1838	1455570_x_at	0.008577	1205.63	881.4	Cnn3	BB833102	NM_028044
1839	1456505_at	0.008582	766.8	546.07	Braf	BB332976	XM_355754
1840	1435389_at	0.008596	4424.37	3537.87	Uba52	BM899236	NM_019883
1841	1438407_at	0.008596	728.53	566.03	9330132E09Rik	AV336691	XM_283635
1842	1428639_at	0.008597	99.1	68	Lin9	AK012271	NM_175186
1843	1418843_at	0.008627	2968.5	2338.9	Slc30a4	NM_011774	NM_011774
1844	1428751_at	0.008628	791.37	615.8	Pacrg	AK005771	NM_027032
1845	1429633_at	0.008643	832.83	620.77	A630025C20Rik	AK014072	NM_172154
1846	1449876_at	0.008658	115.83	39.37	Prkg1	NM_011160	NM_001013833
1847	1455317_at	0.008665	2661.53	1992.63	Epc2	BB034610	NM_172663
1848	1433537_at	0.008672	5025.17	4140.87	4833408C14Rik	AV112912	
1849	1437239_x_at	0.008673	1310.5	1057.63	Phc2	BB334118	NM_018774
1850	1453722_s_at	0.008679	2175.77	1874.47	Sfrs1	BF682801	NM_173374
1851	1439086_at	0.008689	457.43	413.17	A930009L07Rik	BB278168	
1852	1428607_at	0.008706	1564.43	891.43	---	AK010060	---
1853	1449061_a_at	0.008713	186.37	107.63	Prim1	J04620	NM_008921
1854	1416465_a_at	0.008729	6663.97	5160.03	Vapa	BB037317	NM_013933
1855	1440177_at	0.008744	738.23	450.13	9.53E+17	BM899529	---
1856	1433959_at	0.008751	1077.1	958	Zmat4	AV337374	NM_177086
1857	1451237_s_at	0.008762	2373.5	1656.13	Rbm7	AF458961	NM_144948
1858	1452854_at	0.008766	938.57	760.83	---	AK017703	---
1859	1456130_at	0.008773	969.8	588.77	LOC553091	BG068705	
1860	1435163_at	0.008776	1730.57	1222.4	9030612M13Rik	BB008634	NM_172458

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1861	1434843_at	0.008806	3645.73	2502.33	A430041B07Rik	BG070968	XM_484151
1862	1455486_at	0.008808	851.57	646.27	Piasl	BM246045	NM_019663
1863	1435160_at	0.008809	704.87	443.47	1110064P04Rik	BM120737	NM_172391
1864	1455063_at	0.008812	71.9	30.17	AW061290	AW061290	NM_201361
1865	1428565_at	0.008813	1054.67	776.7	1300004G08Rik	LOC545242 AK004898	NM_028789 /// XM_619521
1866	1457133_at	0.008822	330.07	252.47	---	BM195317	---
1867	1432144_a_at	0.008838	1496.53	1271.37	Rchyl	AK015870	NM_026557
1868	1417057_a_at	0.008855	1741.07	1468.63	Ppid Lamp3	BC011499	NM_026352 /// NM_177356
1869	1433726_at	0.008868	3159.5	2625.13	2310035C23Rik	BB124070	NM_173187
1870	1434578_x_at	0.008873	5442.23	4402.57	Ran	BI714963	NM_009391
1871	1436681_x_at	0.008889	1505.43	943.1	0610009D07Rik	BE199670	NM_025323
1872	1433851_at	0.008904	1106.63	895.13	Nsbpl	BI735251	NM_016710
1873	1434099_at	0.008909	1172.7	1008.23	Casp7	BB752393	NM_007611
1874	1426614_at	0.008916	2440.63	1850.7	Prkcbpl	BB523906	NM_027230 /// NM_172270
1875	1438688_at	0.008918	4193.4	3227.53	Srrm2	BG915272	NM_175229
1876	1421870_at	0.008927	6799.43	6343.73	Trim44	NM_020267	NM_020267
1877	1439824_at	0.008934	1810.7	1342.2	Chm	BB263701	NM_018818
1878	1456499_at	0.008935	597.57	490.27	LOC552912	BE948550	---
1879	1435164_s_at	0.008936	1997.17	1383.07	Ubelc	AW210753	NM_011666
1880	1438106_at	0.008946	183.97	140.5	Pcdhb22	AV335932	NM_053147
1881	1439459_x_at	0.008948	2106.53	1752.57	Acly	BB276877	NM_134037
1882	1435307_at	0.008952	871.53	651.53	6430502M16Rik	AW489260	NM_175455
1883	1439541_at	0.008998	707.73	582.5	4930414L22Rik	BQ176011	---
1884	1418512_at	0.009016	709.43	441.27	Stk3	AK021111	NM_019635
1885	1436223_at	0.009022	2042.87	1226.83	Itgb8	BB504737	XM_484197
1886	1426290_at	0.009024	441.77	303.37	1500031M22Rik	AK015145	NM_025447
1887	1418737_at	0.009034	1259.2	815	Nudt2	NM_025539	NM_025539
1888	1448558_a_at	0.009041	124.73	63.47	Pla2g4a	NM_008869	NM_008869
1889	1424349_a_at	0.009042	[illegible]	3866.07	Lpgatl	BE987427	NM_172266
1890	1444811_at	0.009042	334.1	240.3	Tlocl	BM293801	NM_027016
1891	1415799_at	0.009066	2576.57	2228.07	Wbpll	NM_021714	NM_021714
1892	1418152_at	0.00907	375.2	238.57	Nsbpl	NM_016710	NM_016710
1893	1428615_at	0.009077	1619.7	1229.23	2310005N03Rik	BB783243	NM_025511
1894	1429021_at	0.009084	3909.53	2611.07	Epha4	AK013481	NM_007936
1895	1428232_at	0.009085	738.4	615.53	Cpsf6	BB425379	NM_001013391
1896	1416129_at	0.009107	1044.97	845.17	Brrfil	NM_133753	NM_133753
1897	1438318_x_at	0.009107	733.67	489.23	1500001L15Rik	BB559925	NM_026890
1898	1434625_at	0.009111	835.63	557.17	4930432O21Rik	BM118654	NM_001025373
1899	1416308_at	0.009112	955.3	707.8	Ugdh	NM_009466	NM_009466
1900	1435387_at	0.009113	4323.87	4056.9	A630029G22Rik	BB191000	NM_001033633
1901	1448667_x_at	0.009115	1030.37	743.83	Tob2	AV174616	NM_020507
1902	1434590_at	0.009126	6061.63	4215.73	B230209C24Rik	BM898653	NM_177235

Table 9

1903	1425678_a_at	0.009135	902.7	751.83	Snrk	BC020189	NM_133741
1904	1426777_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1905	1416083_at	0.009138	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1906	1446148_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1907	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1908	1428772_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1909	1451025_at	0.009157	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1910	1426741_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1911	1454937_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1912	1421374_a_at	0.00917	1003.7	834.93	Fxyd1	[illegible]	[illegible]
1913	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1914	1419663_[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1915	1437749_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1916	1419381_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1917	1418025_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1918	1428119_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1919	1452281_at	0.009206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1920	1435714_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1921	1437735_at	0.009211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1922	1416181_at	0.009215	2028.2	1662.	[illegible]	[illegible]	[illegible]
1923	1439117_at	0.009222	576.	[illegible]	[illegible]	[illegible]	[illegible]
1924	1429222_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1925	1453077_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1926	1441973_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1927	1422649_at	0.009279	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1928	1437172_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1929	1430561_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1930	1427915_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1931	1457285_at	0.009346	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1932	1424598_at	0.00936	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1933	1421907_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1934	1436737_a_at	0.00938	1966.03	1144.83	Sorbs1	BB737680	NM_001034962
1935	1436552_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1936	1454988_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1937	1455951_at	0.009415	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1938	1435173_at	0.009416	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1939	1416095_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1940	1437303_at	0.009427	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1941	1434676_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1942	1437377_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 9

1943	1455447_at	0.009465	3133.23	2586.73	D430019H16Rik	BM116882	---	
1944	1447936_at	0.009472	1134.	[illegible]	[illegible]	[illegible]	[illegible]	
1945	1441598_at	0.009474	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1946	1420486_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1947	1455925_at	0.009481	1059.23	[illegible]	[illegible]	[illegible]	[illegible]	
1948	1420626_at	0.009489	689.93	554.9	2410016F19Rik	BF782285	NM_026113	
1949	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1950	1437284_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1951	1456699_	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1952	1453791_at	0.009519	1171.93	[illegible]	[illegible]	[illegible]	[illegible]	
1953	1450760_a_	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1954	1437830_x_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1955	1450773_at	0.009528	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1956	1426269_at	0.009536	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1957	1435187_at	0.009537	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1958	1435461_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1959	1419108_at	0.009581	584.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1960	1417434_at	0.009583	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1961	1428529_at	0.009583	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1962	1429106_at	0.009584	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1963	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1964	1429137_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1965	1452328_s_at	0.009633	3628.7	2480.	[illegible]	[illegible]	[illegible]	
1966	1429411_a_at	0.00[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1967	1437433_at	0.00965	288.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1968	1422474_at	0.00966	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1969	1452989_at	0.009661	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1970	1416926_at	0.009665	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1971	1439748_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1972	1422505_at	0.009694	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1973	1448333_at	0.009695	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1974	1428682_at	0.009714	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1975	1455468_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1976	1456376_at	0.009729	195.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1977	1434052_at	0.00[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1978	1436900_x_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1979	1450287_at	0.009755	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	XM_622154
1980	1437329_at	0.009758	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1981	1459854_s_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1982	1426546_at	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1983	1428914_at	0.009784	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Table 9

1984	1455240_x_at	0.009788	55.97	49.1	---	BG066901	---	
1985	1428512_at	0.009791	3105.9	2479.87	Bhlhb9	AK012577	NM_198161	
1986	1434310_at	0.009794	6427.83	5700.8	Bmpr2	AW546137	NM_007561	
1987	1426578_s_at	0.009796	558.23	357.83	Snapap	BB667523	NM_133854	
1988	1437400_at	0.009797	909.9	741.27	Nedd4l	BB309512	NM_031881	
1989	1451494_at	0.009804	3133.7	2345.03	Wac	AW556980	NM_153085	
1990	1448125_at	0.009813	2888.27	2323.6	Rit2	BB271919	NM_009065	
1991	1434628_a_at	0.009817	113.57	60.23	Rhpn2	BF228009	NM_027897	
1992	1416958_at	0.009838	7617.93	5252.17	Nr1d2	NM_011584	NM_011584	
1993	1423050_s_at	0.009838	6165.33	5356.53	Hnrpu	BF228203	NM_016805	
1994	1425846_a_at	0.00984	1306.9	1028.93	Caln1	AF282251	NM_021371	
1995	1437350_at	0.009843	226.73	167.03	MGI:2179725	AV290046	NM_027136	
1996	1434556_at	0.009871	1935.03	1753.17	---	BI437942	---	
1997	1417252_at	0.00988	795.5	552.4	Nt5c	NM_015807	NM_015807	
1998	1419662_at	0.009894	340.9	206	Ogn	BB542051	NM_008760	
1999	1417372_a_at	0.009907	927.63	755.97	Peli1	BC016515	NM_023324 /// NM_030015	
2000	1450941_at	0.009907	606.87	467.67	Sdcbp	AV227603	NM_016807	
2001	1434219_at	0.009935	1505.63	1258.27	Stim2	BB004503	XM_132038	
2002	1420127_s_at	0.009938	1105.7	946.27	Smc2l1	NM_008017	NM_008017	
2003	1434207_at	0.009942	637.67	466.07	5730536A07Rik	NM_026635	NM_026635	
2004	1429193_at	0.009953	1526.77	1290.8	Tmed8	AK018286	XM_356596	
2005	1437087_at	0.009955	3295.63	2964.6	---	AV079268		
2006	1428854_at	0.009956	1698.27	1361.53	Ankib1	BE952940	NM_001003909	
2007	1416633_a_at	0.009985	1634.7	1082	2900057K09Rik	BE570729		
2008	1448635_at	0.009992	313.13	242.77	Ccpg1	C85100	NM_028181	

%Monocular deprivation (4 days) plus IGF1 versus control
%Downregulated in short term MD+IGF1
%Significance criterion = 0.01
%

%i	affyid	p	data	control	gene		
1	1450910_at	0.000001	4879.97	7114.33	Cap2	AV261931	NM_026056
2	1425608_at	0.000005	195.07	258.03	Dusp3	BC016269	NM_028207
3	1420839_at	0.000007	350.4	571.47	Plekha3	BB780848	NM_031256
4	1421754_at	0.000007	572.3	3035.13		AY036118	NM_133243
5	1415824_at	0.000012	1461.3	2685.7	Scd2	BG060909	NM_009128
6	1454159_a_at	0.000012	715.8	1915.33	Igfbp2	AK011784	NM_008342
7	1453732_at	0.000012	274.4	390.57	6230416A05Rik	BF533688	XM_127325
8	1415795_at	0.000015	412.87	766.57	Spin	BM228780	NM_011462 /// NM_146043
9	1422145_at	0.000019	265	424.83	Mgat3	NM_010795	NM_010795
10	1415953_s_at	0.00002	426.9	716.73	Mark2	BI686265	NM_007928
11	1460498_a_at	0.000021	567.67	967.27	Dnajc5	BI685030	NM_016775
12	1451007_at	0.000022	129.73	248.2	Cnnm2	BB278418	NM_033569
13	1415964_at	0.000033	1722.3	2509.97	Scd1	NM_009127	NM_009127
14	1460390_at	0.000038	409.63	629.87	Sorl1	BI648081	NM_011436
15	1422733_at	0.000045	691.67	1450.9	Fjx1	AV230815	NM_010218
16	1433899_x_at	0.000049	1803.7	3018.2	Tsc22d1	AU016382	NM_009366 /// NM_207652
17	1418370_at	0.000052	442.67	1017.13	Tnnc1	NM_009393	NM_009393
18	1421327_at	0.000062	695.6	1435.17	Mtap2	A730034C02	BM937510
19	1424476_at	0.000063	319.93	1010.83	Camkk2	BI157430	NM_145358
20	1420610_at	0.000066	2030.33	3171.6	Prkacb	AV024339	NM_011100
21	1421789_s_at	0.000069	1255.4	3051.23	Arf3	NM_007478	NM_007478
22	1428123_at	0.000072	113.37	216.67	2610528K11Rik	AK012178	NM_175184
23	1422605_at	0.000074	1485.27	2422.23	Ppp1r1a	NM_021391	NM_021391
24	1431030_a_at	0.000076	1327.3	1752.03	Rnf14	AK010162	NM_020012
25	1444513_at	0.000077	358.43	602.57	Cnksr2	AI854548	NM_177751
26	1428322_a_at	0.000079	3899	4579.97	Ndufb10	BI905689	NM_026684
27	1454671_at	0.000088	439.23	595.23	Insig1	BB005488	NM_153526
28	1449960_at	0.00009	192.53	866.23	Nptx2	NM_016789	NM_016789
29	1459722_at	0.00009	219.8	285.5	Zswim6	AI427602	XM_358311
30	1436642_x_at	0.000099	387.27	512	---	BE993148	---
31	1450408_at	0.000102	311.9	573.67	Clcn7	NM_011930	NM_011930
32	1455479_a_at	0.000106	2466.47	3611.77	Ube2d3	BG070759	NM_025356
33	1430529_at	0.000106	201.93	282.57	Csnk1a1	AK019176	NM_146087
34	1439333_at	0.000108	1506.43	2247.47	Kcnv1	BB078927	NM_026200

Table 10

35	1428697_at	0.000109	666.5	1277.53	Dpp8	BM939621	NM_028906	
36	1421862_a_at	0.000112	158	403.77	Vamp1	AK018783	NM_009496	
37	1433961_at	0.000117	187.9	285.87	BC023814	BG068266	NM_153562	
38	1422560_at	0.000119	210.37	361.73	Ddi2	NM_023544	NM_001017966	
39	1440455_at	0.000119	4258.07	5955.83	AI848599	AI848599	---	
40	1422580_at	0.000134	643.67	1257.23	Myl4	NM_010858	NM_010858	
41	1436393_a_at	0.000135	2449.13	3206.37	Trim37	BG065227	NM_197987	
42	1449063_at	0.000146	1163.37	1396.17	Sec22l1	BC009024	NM_011342	
43	1425781_a_at	0.00015	514.13	799.47	Plcb1	U85714	NM_019677	
44	1429533_at	0.000152	687.63	904.57	Immt	BB222675	NM_029673	
45	1417963_at	0.000161	696.37	1278.1	Pltp	NM_011125	NM_011125	
46	1419344_at	0.000169	321.03	641.97	Tcte1	NM_013688	NM_013688	
47	1416754_at	0.000171	4459.33	8472.7	Prkar1b	NM_008923	NM_008923	
48	1419223_a_at	0.000171	961.67	1492.2	Dtna	AF143542	NM_010087 /// NM_207650	
49	1420507_a_at	0.000174	404.03	545.3	3110031B13Rik	NM_026075	NM_026075	
50	1433630_at	0.000176	1010.27	1304.27	LOC208158	BB762333	NM_198599	
51	1422994_at	0.000177	203.6	304.37	Pip5k3	NM_011086	NM_011086	
52	1423560_at	0.000179	973.4	2468.47	Nell2	AI838010	NM_016743	
53	1454037_a_at	0.000181	127.33	272.3	Flt1	AK005502	NM_010228	
54	1436464_at	0.000183	63.17	92.2	---	BE943617	---	
55	1450319_at	0.000186	985.53	1644.3	Gabrb2	NM_008070	NM_008070	
56	1421176_at	0.000189	956.27	1580.03	Rasgrp1	BB354696	NM_011246	
57	1458932_at	0.000192	232.97	319.67	Pex2	BB639093	NM_021483	
58	1421090_at	0.000204	1832.57	2965.8	Epb4.1l1	NM_013510	NM_001003815 /// NM_001006664 /// NM_013510	
59	1430514_a_at	0.000213	364.1	598.6	2410026K10Rik	AK002762	NM_025584	
60	1458539_at	0.000225	339.6	690.67	R3hdm1	BB462088	NM_181750	
61	1417133_at	0.000227	849.83	1097.67	Pmp22	NM_008885	NM_008885	
62	1418187_at	0.00023	423.17	579.1	Ramp2	AF146523	NM_019444	
63	1454045_a_at	0.000235	923.87	1296.87	4933424M23Rik	LOC260345	AK016901	---
64	1428937_at	0.000235	4753.63	6371.1	Atp2b1	BI080417	NM_026482	
65	1424570_at	0.000238	188.1	275.93	Ddx45	BF023426	NM_145975	
66	1431749_a_at	0.000241	423.27	903.3	Rasgrp1	AK013548	NM_011246	
67	1417330_at	0.000245	281.33	467.17	Slc23a2	NM_018824	NM_018824	
68	1426066_a_at	0.000245	777.43	1181.17	Dtna	AF143544	NM_010087 /// NM_207650	
69	1418079_at	0.000246	739.93	1176.2	Psme3	U60330	NM_011192	
70	1422967_a_at	0.000246	127.7	254.43	Tfrc	BB810450	NM_011638	
71	1427054_s_at	0.000246	244.3	503.3	D930038M13Rik	BC026627	NM_001014399 /// NM_001014422 /// NM_001014423 /// NM_001014424 /// NM_178790	
72	1420575_at	0.000248	2687.07	8257.33	Mt3	NM_013603	NM_013603	
73	1449503_at	0.000253	748.67	1105.1	Kpna1	U20619	NM_008465	

Table 10

74	1418616_at	0.000257	252.1	371.37	NM_010757	Mafk
75	1419137_at	0.000261	2962.67	4036.03	NM_021423	Shank3
76	1427735_a_at	0.000262	693.97			
77	1419425_at	0.000263	251.17		NM_019755	
78	1421396_at	0.000265	278			Pcsk1
79	1415893_at	0.000267			NM_021344	
80	1451427_a_at	0.000272			NM_011740	Ywhaz
81	1420403_at	0.000273	328			Atp2b
82	1425576_at	0.00028			NM_010474	
83	1433729_x_at	0.0			NM_173187	
84	1421093_at	0.000296			NM_025558	
85	1425459_at	0.0003	332.87	448		
86	1421459_a_at	0.000303	96.1		NM_026418	
87	1425748_at	0.000307	110		NM_007871	Dira
88	1426699_at	0.000307	308.9	431	NM_009497	
89	1418795_at	0.00031	225.6	411.23		
90	1421123_at	0.00031	386.33	869.97		Cdk5
91	1424172_at	0.000312				
92	1449590_a_at	0.0			NM_030241	
93	1432910_at	0.000314	130.53		NM_146054	
94	1434181_at	0.00032	926.3		NM_172806	
95	1460687_at	0.000321	298.93		NM_008624	
96	1460711_at	0.000322	808.63		NM_024284	
97	1445460_at	0.000325	80.			
98	1455305_x_at	0.000335	1047.13			
99	1420833_at	0.000336	3051.17		NM_133886	
100	1437938_x_at	0.000337	153.43		NM_145217	
101	1416882_at	0.000349	1067.4		NM_053073	
102	1421026_at	0.00035	250.33		NM_023858	
103	1448844_at	0.000351	468		NM_017394	
104	1438361_at	0.000351	140		XM_131914	
105	1423450_a_at	0.000361			NM_145542	
106	1428195_at	0.000362	448		NM_009723	
107	1436971_x_at					
108	1418743_a_at	0.000364	344		NM_009163	
109	1454686_at	0.000364	79.83	176	NM_013628	
110	1456247_x_at	0.000368	59.		NM_007726	
111	1427189_at	0.000371	466.		NM_009606	
112	1425424_at	0.000374	96.		NM_021423	
113	1431129_at	0.000382	230.67	339	NM_010757	

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114	1421181_at	0.000385	659
115	1421268_at	0.000389	524
116	1450385_at	0.000391	901.5
117	1422331_at	0.000392	183.77
118	1416022_at	0	NM_175561 ///
119	1453273_at	0.000411	749
120	1456838_at	0.000418	NM_025436
121	1434228_at	0.000422	194
122	1425227_a_at	0.000424	897
123	1450466_at	0.00042	NM_207692 ///
124	1417279_at	0.000434	4884.93
125	1434221_at	0.000434	NM_198411
126	1422520_at	0.00044	NM_199038 ///
127	1454653_at	0.00044	694.17
128	1420661_a_at	0	NM_207692 ///
129	1420904_at	0	NM_183064 ///
130	1421255_a_at	0.000457	698
131	1453093_at	0.000458	NM_008844
132	1436094_at		NM_008797
133	1423694_at	0.000464	666.13
134	1439477_at	0.000465	733
135	AFFX-PyruCarbMur/L09192_5_at	0.000469	151.
136	1450228_a_at	0.000473	
137	1452747_at	0.000476	246
138	1451693_a_at	0.000483	197
139	1421877_at	0.000484	
140	1449925_at	0.000489	119.
141	1440248_at	0.0005	321.77
142	1436216_s_at		XM_622935 ///
143	1460181_at	0.000504	9015
144	1421876_at	0.000507	954.03
145	1423151_at	0.000509	934.
146	1415956_a_at	0.000518	254
147	1423078_a_at	0.000519	
148	1451158_at	0.000524	145.93
149	1441064_at	0.000525	441.27
150	1417781_at	0.000526	256
151	1428485_at	0.000529	115.67
152	1423333_at	0.000532	415.4
153	1431216_s_at	0.000538	134

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Table 10

154	1418702_a_at	0.000548	950.47	1478.7	2810428I15Rik	NM_025577	NM 025577
155	1460286_at	0.000553	1380.97	1811.[illegible]	[illegible]	[illegible]	[illegible]
156	1452427_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
157	1421622_a_at	0.000556	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
158	1421961_a_at	0.00056	440.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
159	1417271_a_at	0.000565	332.2	[illegible]	[illegible]	[illegible]	[illegible]
160	1419398_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
161	1426764_at	0.00057	2582.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
162	1449504_at	0.000579	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
163	1451872_a_at	0.000586	275.87	465.4	[illegible]	[illegible]	[illegible]
164	1445518_at	0.00059	113.63	[illegible]	[illegible]	[illegible]	[illegible]
165	1439740_s_at	0.000592	539.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
166	1425337_at	0.000596	1655.9	[illegible]	[illegible]	[illegible]	[illegible]
167	1450247_a_at	0.000598	1020.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
168	1422407_s_at	0.000599	1945.93	3331.57	[illegible]	[illegible]	[illegible]
169	1445004_a_at	0.000601	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
170	1445473_at	0.000604	533.13	[illegible]	[illegible]	[illegible]	[illegible]
171	1430615_at	0.000608	135.07	[illegible]	[illegible]	[illegible]	[illegible]
172	1423222_at	0.000611	1829.4	3021.[illegible]	[illegible]	[illegible]	[illegible]
173	1448335_s_at	0.000613	3978.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
174	1454769_at	0.000628	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
175	1451795_at	0.000647	416.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
176	1449961_at	0.000653	789.33	[illegible]	[illegible]	[illegible]	[illegible]
177	1435741_at	0.000673	1906.23	[illegible]	[illegible]	[illegible]	[illegible]
178	[illegible]	[illegible]	[illegible]	2339.7	[illegible]	[illegible]	[illegible]
179	1448956_at	0.00067[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
180	1428048_at	0.000677	32.2	[illegible]	[illegible]	[illegible]	[illegible]
181	1435234_at	0.000678	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
182	1425405_a_at	0.000679	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
183	1449552_at	0.000681	823.13	[illegible]	[illegible]	[illegible]	[illegible]
184	1434222_at	0.000681	1013.07	[illegible]	[illegible]	[illegible]	[illegible]
185	1422735_at	0.000683	124.1	214.[illegible]	[illegible]	[illegible]	[illegible]
186	1451917_a_at	0.000685	492.77	[illegible]	[illegible]	[illegible]	[illegible]
187	1416601_a_at	0.000686	494.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
188	1450863_a_at	0.000693	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
189	1419155_a_at	0.000695	570.4	[illegible]	[illegible]	[illegible]	[illegible]
190	1417462_at	0.000698	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
191	1432411_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
192	1428964_at	0.000704	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
193	1447634_x_at	0.000714	94.4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 10

194	1416786_at	0.000715	379.6	647.37	Acvr1	NM_007394	NM_007394
195	1450728_at	0.000715	620.07	1031.5	Fjx1	AV230815	NM_010218
196	1453414_at	0.000716	93.6	156.23	Ypel2	BB133023	NM_001005341
197	1416701_at	0.000736	399.67	661.17	Rnd3	BC009002	NM_028810
198	1426805_at	0.000736	640.3	880.57	Smarca4	AW701251	NM_011417
199	1434467_at	0.000736	653.67	970.37	Atcay	BQ042885	NM_178662
200	1434902_at	0.00074	679.97	1051.23	Rnf157	BB163668	XM_126776
201	1424146_at	0.00075	3840.03	5767.03	Gpr37l1	AB016602	NM_134438
202	1452344_at	0.000756	844.7	973.97	Synj2	BE944213	NM_011523
203	1427688_a_at	0.000758	394.03	1152.97	Ptprs	D28531	NM_011218
204	1422754_at	0.000763	565.1	772.57	Tmod1	NM_021883	NM_021883
205	1450243_a_at	0.000786	606	1087.17	Dscr1l1	NM_030598	NM_030598
206	1421060_at	0.000791	234.57	351.43	Mllt1	AF312858	NM_022328
207	1435134_at	0.000792	475.03	667.43	Aadacl1	AV369935	NM_178772
208	1415804_at	0.000799	3296.83	5976.37	Cx3cl1	AF010586	NM_009142
209	1431420_s_at	0.000799	2993.27	3876.57	2610524G07Rik	BI082843	NM_025596
210	1439518_at	0.000799	51.77	66.23	Mmrn2	AV319507	NM_153127
211	1417313_at	0.000804	679.37	961.6	Lsm7	NM_025349	NM_025349
212	1422966_a_at	0.000807	625.9	1031.73	Tfrc	BB810450	NM_011638
213	1460042_at	0.000807	32.93	194.57	Slc23a3	AV293965	NM_194333
214	1423039_a_at	0.00081	2202.47	2805.47	Bzw1	AV144956	NM_025824
215	1448378_at	0.00081	1290.5	3224.2	Fscn1	NM_007984	NM_007984
216	1423231_at	0.000813	8323.87	19322.3	Nrgn	AK002933	NM_022029
217	1425660_at	0.000815	996.4	1379.6	Btbd3	BC018174	NM_001025431 /// NM_145534
218	1420945_at	0.000817	305.33	490.5	Atrx	BB825830	NM_009530
219	1441793_at	0.000818	398.83	477.53	Rnf39	BB824091	XM_359278 /// XM_359291
220	1439647_at	0.000824	442.27	614.9	LOC433698 /// LOC545611	AV257990	XM_485371 /// XM_620023
221	1428089_at	0.000827	3225.37	4316.33	Slitrk1	AK014285	NM_199065
222	1436150_at	0.000828	1622	2895.9	2310028H24Rik	BB391675	
223	1436195_at	0.000836	348.33	636.37		BC046404	BM933144 /// NM_198861
224	1439741_x_at	0.000838	99.63	200.83		AI481316	AU018180
225	1429299_at	0.000846	252.03	550	Ddah1	BE283964	NM_026993
226	1459288_at	0.000846	801.3	1313.13	Kcnd2	BB472451	NM_019697
227	1453988_a_at	0.000852	301.33	417.5	Ide	AK014703	NM_031156
228	1415803_at	0.000854	9912.27	14833	Cx3cl1	AF010586	NM_009142
229	1430307_a_at	0.000857	1277.53	1648.8	Modi	AK006387	NM_008615
230	1436515_at	0.000864	332	491.1	E030004N02Rik	BB529913	
231	1433821_at	0.000865	336.6	469.6	1110012D08Rik	BB489180	NM_178066
232	1455714_at	0.000879	1507.43	3193.13	Gm691	BQ174072	NM_198627
233	1437386_at	0.000888	1709.2	3225.83	Lrrc7	BQ176787	NM_181074

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234	1430829_s_at	0.00089	445.07	865.07	MGI:1347093	AK016860	NM_011936
235	1418938_at	0.000901	228.03	400.53	Dio2	AF177196	NM_010050
236	1423584 at	0.000907	728.17	1283.37	Igfbp7	AI481026	NM_008048
237	1450147_at	0.000907	882.1	2199.37	Nptxr	BI733611	NMJ330689
238	1421025_at	0.000913	425	712.47	Agpatl	BB524140	NM_018862
239	1430607_at	0.000917	167	452.5	4930505D03Rik	BB279598	XM_137322
240	1421768_a_at	0.000927	709.77	1243.73	Homerl	NM_011982	NM_011982 /// NMJL47176 /// NM_152134
241	1448332_at	0.000931	860.2	1224.17	Pexl9	NM_023041	NM_023041
242	1417933_at	0.000937	1204.13	2089.07	Igfbp δ	NM_008344	NM_008344
243	1428129_at	0.000939	250.4	344.7	Ltnanl	BG071597	NM_027400
244	1433445_x_at	0.000947	5619.07	8480.87	Hmgcsl	BB705380	NM_145942
245	1417613_at	0.00095	302.87	612.13	Ier5	BF147705	NM_010500
246	1458622_at	0.00095	5573.77	6296.7	Ntrk2	AW121243	NM_001025074 /// NM_008745
247	1422136_at	0.000953	122.87	315.07	Uhmkl	AW012751	NM_010633
248	1425805 a at	0.00097	205.47	379.77	Uspl2	AF441835	NM_011669
249	1450143_at	0.000988	1564.8	2934.73	Rasgrpl	BB354696	NM 011246
250	1441331_at	0.001003	575.2	911.8	A230061C15Rik	BB153043	
251	1426249_at	0.001012	3235.63	4548.83	Adrbkl	AF333028	NM_130863
252	1428723_at	0.001012	348.8	511.43	2310047M10Rik	AK009886	XM~484040
253	1424480_s_at	0.001018	1208.73	1828.27	Akt2	BC026151	NM_007434
254	1445151_at	0.001018	139.1	251.53		BB377000	
255	1427053^_at	0.00102	101.73	286.53	D930038M13Rik	BC026627	NM_001014399 /// NM 001014422 /// NM 001014423 /// NM_001014424 /// NM_178790
256	1419285_s_at	0.00104	512.03	649.17	Cyhrl	NM_019396	NM_019396 /// NM_180962
257	1436343 at	0.001044	193.47	317.27	Chd4	BM502696	NM_145979
258	1440039_at	0.001049	52.13	120.73	Brwd3	BB547222	XM_356350
259	1416222 at	0.001052	819.1	998.13	Nsdhl	BC019945	NMJD10941
260	1422044_at	0.001056	150.37	279.47	Ndstl	AF074926	NM_008306
251	1452753_at	0.001061	1373.57	1858.43	Foxk2	BM206907	XM_126489
262	1424638 "at	0.001069	294.97	787.77	Cdknla	AK007630	NM_007669
263	1433491_at	0.001069	546.37	651.7	Epb4.1l2	BE951907	NM_013511
264	1432184_a_at	0.001071	252.4	573.57	2610204M08Rik	AK011884	NM_198411
265	1431037_a_at	0.001074	384,97	521.47	Elavil	AK011870	NMJ310485
266	1451046_at	0.001077	537.6	842.23	Zfpml	AA014267	NM_009569
267	1420533 at	0.001079	590.1	988.2	Gucyla3	AK004815	NMJ321896
268	1436532 at	0.001079	822.53	1057.27	Dcamkl3	BB326709	NM_172928
269	1418706 _at	0.001081	709.37	1084.33	Slc38a3	NM_023805	NM_023805
270	1448384 "at	0.001082	201.1	330.03	Pofut2	BC018194	WM_030262
271	142394θ"at	0.001102	435.53	630.97	Yifla	BC011117	NM_026553
272	1455741 a at	0.001102	575.63	948.73	Ecel	AW553715	NM_199307

Table 10

273	1429764_at	0.001102	342.73	586.33	1500005K14Rik	BF101721	---
274	1422367_at	0.001103	49.37	71.53	Olfr70	NM_019485	NM_019485
275	1427685_a_at	0.001103	773.9	1114.2	Synj2	AF041858	NM_011523
276	1420670_at	0.001106	372.47	786.4	Arnt2	AI428888	NM_007488
277	1420720_at	0.001113	475.67	1773.13	Nptx2	NM_016789	NM_016789
278	1450184_s_at	0.001113	852.57	1039.6	Tef	NM_017376	NM_017376 /// NM_153484
279	1436383_at	0.001116	4234.33	6456.23	Cplx2	BE946238	NM_009946
280	1439553_s_at	0.001116	921.5	1256.8	Nutf2	AU018817	NM_026532
281	1442883_s_at	0.001117	3416.2	5168.4	D10Bwg1364e	BI413749	NM_145421
282	1434595_at	0.00112	1660.63	2646.97	Trim9	BQ174474	NM_053167
283	1415801_at	0.001121	1109.23	1675.33	Gja1	M63801	NM_010288
284	1447945_at	0.001126	98.2	218.7	Maf	BI466869	NM_001025577
285	1428158_at	0.001149	992.37	1273.27	Akt1s1	BM068933	NM_026270
286	1428356_at	0.001149	458.9	705.37	Osbp2	AI326285	NM_152818
287	1425671_at	0.00116	126.33	421.53	Homer1	AF093257	NM_011982 /// NM_147176 /// NM_152134
288	1444723_at	0.001166	623.87	832.6	6530418L21Rik	BB049759	NM_175398
289	1415978_at	0.001167	2596.5	3659.23	Tubb3	NM_023279	NM_023279
290	1435780_at	0.001167	2572.2	3756.47	Psd	BG966595	NM_028627
291	1422799_at	0.001174	1762.17	3188.1	Bat2	AK019427	NM_020027
292	1448817_at	0.001175	359.87	746.9	Otub1	NM_134150	NM_134150
293	1423550_at	0.001176	674.83	993	Slc1a4	BB277461	NM_018861
294	1422167_at	0.001178	48.93	137.47	Sema5a	NM_009154	NM_009154
295	1450520_at	0.001188	2207.5	3136.17	Cacng3	NM_019430	NM_019430
296	1448346_at	0.0012	6945.37	12597.07	Cfl1	NM_007687	NM_007687
297	1451630_at	0.001201	684.8	970.77	Ttl	BC018513	NM_027192
298	1421349_x_at	0.001212	3452.53	4773.77	1500001H12Rik	NM_021316	NM_021316
299	1448207_at	0.001217	417.7	776.03	Lasp1	BC010840	NM_010688
300	1418181_at	0.001222	610.37	898.4	Ptp4a3	AK014601	NM_008975
301	1449980_a_at	0.001225	1320.77	1904.63	Gabrd	NM_008072	NM_008072
302	1429038_at	0.001239	1172.87	1492.87	1500034J01Rik	BI904336	XM_356085
303	1455462_at	0.001246	3133.73	4038	Adcy2	AV025455	NM_153534
304	1436381_at	0.001246	2173.7	3260.27	Dlgap3	BQ175774	NM_198618
305	1429884_at	0.001249	690.33	809.43	Srgap2	AK005172	XM_129445
306	1435868_at	0.001249	389.27	725.53	Ankrd13c	BI794218	NM_001013806
307	1426128_a_at	0.00125	268.6	399.83	Kcnq2	AB000502	NM_001003824 /// NM_001003825 /// NM_001006668 /// NM_001006669 /// NM_001006674 /// NM_001006675 /// NM_001006676 /// NM_001006677 /// NM_001006678 /// NM_001006679 /// NM_001006680 /// NM_010611
308	1455896_a_at	0.00126	1511.83	2037.43	Kcnk1	AU043100	NM_008430
309	1434932_at	0.001273	534.47	919.53	Adarb1	BI734168	NM_001024837 /// NM_001024838 /// NM_001024839 /// NM_001024840 /// NM_130895

Table 10

310	1437037_x_at	0.001275	[illegible]	[illegible]
311	1435367_at	0.001286	1154.3	[illegible]
312	1435902_at	0.001289	1822.87	[illegible]
313	1425212_a_at	0.001291	[illegible]	[illegible]
314	1433886_at	0.001291	[illegible]	[illegible]
315	1425870_a_at	0.001292	[illegible]	[illegible]
316	1460186_at	0.001293	[illegible]	[illegible]
317	1426310_at	0.001297	450.47	[illegible]
318	1442404_at	0.001299	156.77	[illegible]
319	1455400_at	0.0013	[illegible]	[illegible]
320	1434381_at	0.001332	471.2	631.03
321	1415988_at	0.001335	162	390.67
322	1428354_at	0.001339	[illegible]	[illegible]
323	1419473_a_at	0.001343	[illegible]	[illegible]
324	1431422_a_at	0.001346	[illegible]	[illegible]
325	1457968_at	0.001346	57.8	[illegible]
326	1434325_x_at	[illegible]	[illegible]	[illegible]
327	1429455_at	0.001354	544.93	[illegible]
328	1440347_at	0.001362	79.1	[illegible]
329	1452308_a_at	0.001364	[illegible]	[illegible]
330	1420749_a_at	[illegible]	[illegible]	[illegible]
331	1456854_at	0.001367	151.63	[illegible]
332	1458123_at	0.001373	[illegible]	[illegible]
333	1460426_at	0.001375	[illegible]	[illegible]
334	1426744_at	0.001376	511.6	[illegible]
335	1423586_at	0.001379	[illegible]	[illegible]
336	1450122_at	0.001379	[illegible]	[illegible]
337	1460460_a_at	0.001379	[illegible]	[illegible]
338	1449187_at	0.001381	649.9	861.23
339	1440673_at	0.001389	56.6	[illegible]
340	1422102_a_at	0.001396	[illegible]	[illegible]
341	1419077_at	0.001399	1032.23	[illegible]
342	1433876_at	0.001409	[illegible]	[illegible]
343	1421962_at	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
345	1455192_at	0.001433	[illegible]	[illegible]
346	1417747_at	0.00144	[illegible]	[illegible]
347	1431169_at	0.001441	[illegible]	[illegible]
348	1451072_a_at	0.001445	[illegible]	[illegible]
349	1424990_at	0.001447	[illegible]	[illegible]

Table 10

350	1451431_a_at	0.001455	1829.47	2613.87	D2Bwg0891e	BC019947	NM_026797
351	1419191_at	0.001459	215.2	443.53	Hipk3	NM_033610	NM_033610
352	1426263_at	0.00146	4519	6316.6	Igsf4c	AI854058	---
353	1421954_at	0.001463	190.2	279	Crkl	BB402776	NM_007764
354	1418738_at	0.001469	3076.53	5892.43	Scn1b	BC009652	NM_011322
355	1449336_a_at	0.001469	294.13	413.47	Sik	AV370981	NM_022995
356	1423720_at	0.001478	1177.97	1548.4	Map1lc3a	BC010596	NM_025735
357	1450022_at	0.001479	402.87	604.27	Stam2	BB125321	NM_019667
358	1430575_a_at	0.001495	197.3	355.03	2410026K10Rik	AK004342	NM_025584
359	1425611_a_at	0.001503	531.87	924.47	2610529H08Rik	BB865814	NM_001025615 /// NM_026202
360	1432447_a_at	0.001511	451	590.2	2310005N01Rik	[illegible]	NM_027310
361	1457333_at	0.001516	227.63	332.63	Sdk2	AV259481	NM_172800
362	AFFX-TransRecMur/X57349_5_at	0.001521	111.97	235	Tfrc	AFFX-TransRecMur/X57349_5	NM_011638
363	AFFX-TransRecMur/X57349_3_at	0.001523	425.43	628.1	Tfrc	AFFX-TransRecMur/X57349_3	NM_011638
364	1448960_at	0.001523	2302.8	2596.47	Cxxc5	NM_133687	NM_133687
365	1417716_at	0.001527	2102.03	3595.9	Got2	U82470	NM_010325
366	1455750_at	0.001534	239.77	369.13	[illegible]	BE852799	XM_355347
367	1460663_at	0.001541	534.33	1008.23	Cckbr	NM_007627	NM_007627
368	1448502_at	0.001553	80.83	193.47	Slc16a7	BG071867	NM_011391
369	1452137_at	0.001566	214.6	331.83	Acbd3	BB704602	NM_181074
370	1421925_at	0.001568	160.5	306.27	Mapk11	AV329330	NM_011161
371	1428118_at	0.001568	3688	6466.3	Lrrn6a	BB078751	NM_133225
372	1435327_at	0.001578	2245.27	2541.47	[illegible]	AW112037	[illegible]
373	1416515_at	0.00158	835.77	2213.03	Fscn1	NM_007984	NM_007984
374	1418457_at	0.00158	921.07	1475.53	Cxcl14	AF252873	NM_019568
375	1419022_a_at	0.00158	13087.33	18328	Eno1 /// LOC433182 /// LOC545568	[illegible]	NM_023119 /// NM_001025388 /// XM_619962
376	1449646_s_at	0.001558	499.63	795.87	Tigd5	AI666797	NM_178646
377	1439888_at	0.001553	63.83	105.77	---	BB271581	---
378	1448589_at	0.001594	6254.8	7029.17	Ndufb1	BC025155	NM_025316
379	1417209_at	0.001599	1147.13	1363	Sertad2	AK009177	NM_021372
380	1431072_a_at	0.001616	153.27	250	Cutl1	AA623906	NM_009986 /// NM_198602
381	1428850_x_at	0.00162	633.5	934.33	Tpp2	BB484264	NM_009418
382	1416975_at	0.001621	153.57	226.73	Gtpbp1	AK004612	NM_013818
383	1451290_at	0.001625	3288	6293.07	Sara1	BC005549	NM_009120
384	1422705_at	0.001627	242.73	582.8	Tmepai	[illegible]	NM_009289
385	1447938_at	0.001634	235.93	429.53	LOC545608	BB379724	XM_620018
386	1458856_at	0.001638	88.43	130.67	---	BB216476	---
387	1456813_at	0.001645	329.27	557.13	---	AY059394	NM_153112
388	1418053_at	0.001648	3850.37	7433.07	Sncb	NM_010434	NM_010434

Table 10

389	1452684_at	0.001657	436.37	674.1	Akt1s1	BM068933	NM_026270
390	1433802_at	0.00166	3221.03	[illegible]	AW125688	BM114577	NM_001001885
391	1427113_s_at	0.001665	1587	2055.87	2700049H19Rik	AV127581	[illegible]
392	1431482_at	0.001671	172.8	214.83	2900012M01Rik	AV153257	[illegible]
393	1423929_at	0.001674	450.37	[illegible]	Phgdhl1	BC024467	[illegible]
394	1460566_at	0.001684	3571.93	5918.03	LOC545454	BB765000	XM_619804
395	1423389_at	0.001687	2365.19	3476.62	Smad7	BF226166	NM_008543
396	1425698_a_at	0.001693	349.87	499.67	[illegible]	AP408398	[illegible]
397	1423290_at	0.001696	[illegible]	654.73	Hyou1	BM231738	NM_021395
398	1448605_at	0.001699	106.43	218.37	Rhoc	[illegible]	NM_007484
399	1451753_at	0.00173	657.33	[illegible]	Plxna2	D86949	NM_008882
400	1423785_at	0.001734	1220.47	2699.87	Egln1	BE995700	NM_053207
401	1431691_a_at	0.001752	425.93	573.27	Rab31	AK007048	NM_133685
402	1417374_at	0.001759	[illegible]	1395.8	Tuba4	AW491660	NM_009447
403	1452399_at	0.001762	261.47	429.43	Rgs6	BB274058	NM_015812
404	1423049_a_at	0.001766	788.43	1160.8	Tpm1	AK002271	NM_024427
405	1424661_at	0.001766	796.17	1018.93	Pmpca	AK004549	NM_173180
406	1415823_at	0.001767	665.23	1010.97	Scd2	BG060909	NM_009128
407	1439251_at	0.001772	187.7	351.67	Idua	BI133445	NM_008325
408	1436299_at	0.001774	[illegible]	1139.9	[illegible]	BE373308	XM_129846
409	1448851_a_at	0.001777	1364.1	1665.23	Dnajc5	AK012029	NM_016775
410	1439488_at	0.001785	276.63	555.5	Dot1l	AW552804	NM_199322
411	1455732_at	0.001785	1382.5	1541.9	1700025G04Rik	AV121892	NM_197990
412	1453712_a_at	0.001789	249.6	341.13	Map2k5	BB828559	NM_011840
413	1451666_at	0.001792	2544.27	3066.27	Acly	BI456232	NM_134037
414	1429187_at	0.001794	1177.37	1429.4	Tmed7	AV306753	XM_128959
415	1451762_a_at	0.001814	852.87	1296.43	Kif1b	AB023656	NM_008441 /// NM_207682
416	1441718_at	0.001815	108.33	221.37	4432411E13Rik	BB283834	XM_196130
417	1424222_s_at	0.001817	1273.03	2073.5	Rad23b	BC006751	NM_009011
418	1418292_at	0.001827	3164.8	3659.37	Asna1	NM_019652	NM_019652
419	1454012_a_at	0.001827	402.43	562.27	Parp6	AK021076	XM_134863
420	1451122_at	0.001831	932.07	1286.07	Idi1	BC004801	NM_145360 /// NM_177960
421	1433460_at	0.001832	5019.03	6196.57	Ttc7b	BB329157	XM_127105
422	1440143_at	0.001832	222.17	495.57	F630022B06Rik	AI413722	NM_172822
423	1459890_s_at	0.001836	6204.33	11852.77	1110008P14Rik	C79326	NM_198001
424	1426648_at	0.001844	427.6	646.63	Mapkapk2	BG918951	NM_008551
425	1426554_a_at	0.001846	7633.13	9723.03	Pgam1	BI407347	NM_023418
426	1425176_at	0.001849	905.2	1320.9	C1ql3	BB768838	NM_153155
427	1455701_at	0.001849	1123.03	1670	Snx26	BI965517	NM_178252
428	1416891_at	0.001852	1464	1765.47	Numb	U70674	NM_010949

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429	1425833_a_at	0.001856	508[illegible]	
430	1423141_at	0.001862	75.[illegible]	
431	1434635_at	0.001867	3440.23	
432	1422134_at	0.001878	127.5	298
433	1419736_a_at	0.001892	1535.87	
434	1423737_at	0.001896	5540.27	6469.57
435	1431068_at	0.001898	343	
436	1450838_x_at	0.001902	269.73	465.97
437	1427730_a_at	0.001908	880.53	
438	1460206_at	0.001909	433.	
439	1435166_at	0.001911	218.7	340.
440	1431530_a_at	0.001912	965.8	176[illegible]
441	1437591_a_at	0.001916	922.8	154[illegible]
442	1416287_at	0.001917	618[illegible]	
443	1452964_at	0.001933	[illegible]	
444	1451950_a_at	0.001944		
445	1434973_at	0.001962	295.43	
446	1427188_at	0.001982	460.37	
447	1425621_at	0.001983	509.97	
448	1449578_at	0.001987	454.07	
449	1448604_at	0.001989	239.	
450	1416516_at	0.00199	532	
451	1428393_at	0.001991	8863.5	
452	1426343_at	0.001996	472.3	806.
453	1419737_a_at	0.001999	6172.5	
454	1453556_x_at	0.0[illegible]		
455	1416388_at	0.002002	596.87	
456	1426757_at	0.002004	498.17	
457	1452783_at	0.002008	234	
458	1450622_at	0.002017	3[illegible]	
459	1455963_at	0.002017	544.57	
460	1448784_at	0.002031		
461	1[illegible]			
462	1427250_at	0.002039		
463	1435579_at	0.002047	479.	
464	1440547_at	0.002049	[illegible]	
465	1417380_at	0.00205	351.33	545
466	1421102_a_at	0.002073	242	
467	1428222_at	0.002081	477.47	548
468	1422513_at	0.002086	127	

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469	1418274_at	0.002098	1174.6	1490.13	Nutf2	AA920031	NM_026532
470	1433605_at	0.002099	788.37	948.73	Inpp4a	BB307136	NM_183144
471	1432029_a_at	0.002101	1437.33	2090.7	Smap1	AK006817	NM_028534
472	1459865_x_at	0.002108	399.3	1130.53	Ces7	AV278384	NM_001003951
473	1418598_at	0.00211	251.23	377.9	Sox5	NM_080562	NM_080562
474	1454871_at	0.002129	303.53	595.67	Rbm15b	BB776868	NM_175402
475	1434270_at	0.002138	8405.17	11672.1	Nptxr	AV221896	NM_030689
476	1451894_a_at	0.002163	649.3	837.57	Scn8a	U26707	NM_011323
477	1424059_at	0.002172	224.6	358.73	Suv420h2	BC024816	NM_146177
478	1426502_s_at	0.002189	437.03	581.3	Gptl	AK008086	NM_182805
479	1423721_at	0.002191	1093.7	1517.03	Tpral	M22479	NM_024427
480	AFFX-BioB-5_at	0.002201	520.6	766.67	bioB	AFFX-BioB-5	
481	1435638_at	0.002213	2691.97	4024.47	Gsk3a	BG808297	NM_001031667
482	1417664_a_at	0.002231	4433.1	6370.07	Ndrg3	BE631549	NM_013865
483	1416562_at	0.002236	2889.2	3569.03	Gadl	AF326547	NM_008077
484	1419673_at	0.00224	634.5	1056.5	Spock1	BB308491	NM_009262
485	1452244_at	0.002246	138.53	294.77	6330406I15Rik	AK018128	NM_027519
486	1446649_at	0.002246	97.37	158.37	Cental	BB211194	XM_132099
487	1426211_at	0.002247	151.63	252.9	BC021367	BC021367	NM_145597
488	1452441_at	0.002247	113.73	214.37	Phf3	AW910425	XM_129836
489	1416758_at	0.002257	173.73	389.83	Arhgap27	NM_133715	XM_618932 /// XM_618933
490	1435339_at	0.002263	420.63	599.97	Kctd1	BB091366	NM_146188
491	1431646_a_at	0.002264	406.1	555.63	Stx6	AK009690	NM_021433
492	1423054_at	0.002278	1163.03	1634.1	Wdr1	AK004644	NM_011715
493	1416782_s_at	0.002283	2172.33	2861.47	Praf2	NM_138602	NM_138602
494	1440620_at	0.002283	134.33	183.57		BB124896	
495	1424581_at	0.002284	538.63	1078.27	Stac2	BC024864	NM_146028
496	1417705_at	0.002285	815.63	1316.07	Otub1	NM_134150	NM_134150
497	1437912_at	0.002288	2061.2	2657.4	Igsec3	AU067690	XM_145005
498	1419269_at	0.00229	243.63	392.7	Dut	AF091101	NM_023595
499	1449228_at	0.002297	1733.63	2210.57	Sh3gl2	AF326561	NM_019535
500	1415691_at	0.002301	6778.97	7899.87	Dlgh1	BQ176806	NM_007862
501	1452132_at	0.002303	604.77	805.8	0610007A15Rik	BE951033	NM_026708
502	1418451_at	0.002304	543.53	822.8	Gng2	BB522409	NM_010315
503	1431308_at	0.00231	118.77	163.03	5730557B15Rik	BF783162	NM_026153
504	1425461_at	0.002314	632.2	875.23	Fbxwl1	AY038079	NM_134015
505	1438679_at	0.002321	291.97	493.37	Trim8	AI843272	NM_053100
506	1460393_a_at	0.002324	422.3	719.7	Dusp7	BE136125	NM_153459
507	1421053_at	0.00233	1510.23	2742.87	Kif1a	NM_008440	NM_008440
508	1451992_at	0.002335	1637.7	2355.17	Adrbk1	AF333028	NM_130863

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Table 10

509	1446279_at	0.002341	195		[illegible]
510	1435683_a_at	0.002342	1583.57		[illegible]
511	1419490_at	0.002351	1535.57		[illegible]
512	1448941_at	0.002373	505.27		[illegible]
513	1449119_at	0.002376	179.13		[illegible]
514	1460717_at	0.00238	1064.53		[illegible]
515	1425977_a_at	0.002383	676		[illegible]
516	1428422_at	0.002383	659.63		[illegible]
517	1440128_s_at	0.002385	[illegible]		[illegible]
518	1427592_at	0.002394	536.27	831.37	[illegible]
519	1421815_at	0.002416	979		[illegible]
520	1422559_at	0.002424	[illegible]		[illegible]
521	1450451_at	0.002428	403.9	818	[illegible]
522	1425969_a_at	[illegible]	[illegible]		[illegible]
523	1437840_s_at	0.00244	[illegible]		[illegible]
524	1422018_at	0.002446	376		[illegible]
525	1455690_at	0.002463	[illegible]		[illegible]
526	1445631_at	0.002466	360.07	563	[illegible]
527	1450249_s_at	0.002471	[illegible]		[illegible]
528	1422017_s_at	0.00248	[illegible]		[illegible]
529	1438122_at	0.002493	[illegible]		[illegible]
530	1417015_at	0.002496	[illegible]		[illegible]
531	1418498_at	0.002519	976.2	150	[illegible]
532	1420953_at	0.002524	367		[illegible]
533	1426871_at	0.002539	127		[illegible]
534	1452782_a_at	0.00255	[illegible]		[illegible]
535	1454841_at	0.002552	122		[illegible]
536	1449030_at	0.002555	2899.03		[illegible]
537	1429798_s_at	0.002555	116		[illegible]
538	1448596_at	0.002559	822.57		[illegible]
539	1452433_at	0.002567	433.2	767	[illegible]
540	1439612_at	0.002567	1590.23		[illegible]
541	1455432_at	0.002567	651		[illegible]
542	1457268_at	0.00257	329.23		[illegible]
543	1450945_at	0.002573	373		[illegible]
544	1421415_s_at	0.002592	174.97		[illegible]
545	1447745_at	0.002598	269		[illegible]
546	1450104_at	0.002606	269		[illegible]
547	1427708_a_at	[illegible]	[illegible]		[illegible]
548	1440151_s_at	0.002611	2497.47		[illegible]

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549	1439359_	_x_at	0.002613	100.37	210.03	Nrxnl	BF465348	NM_020252	
550	1416235]	]at	0.002617	804.33	1133.67		AA959742	AW476171	KM_133807
551	1426458	"]at	0.002622	181.53	316.27	Slmap	BB473571	NM_032008	
552	1442752_	.at	0.002629	267.33	401.57		BE650754		
553	1434459	at	0.00263	725.2	887.77		BC057627	BF147898	NM_198631
554	1423294.	.at	0.002642	691	1151.5	Mest	AW555393	NM_008590	
555	1453111_	a_at	0.002654	601.57	913.07	DllErtd333e	AK019396	NM 026542	
556	1443805	"]at	0.002655	204.5	438.07		AW122309		
557	143416	θ]at	0.00266	154.1	279.8	Zfp592	BB478535	NMJL78707	
558	1460724	at	0.002663	997 5	2125.53	Ap2al	NM_007458	NM_007458	
559	1441902_	_x_at	0.002667	414.33	552.33		BB264298		
550	1425326	"at	o.002668	734. 23	1187.8	AcIy	BI456232	NMJL34037	
5Sl	1437197	at	0.002671	2599 .9	3234.93	Sorbs2	BB251748	XM_486103	
562	1457040]	at	0.002676	398. 77	555.97	Lgi2	BE947711	NM_144945	
5S3	1424734]	at	0.002679	289. 37	414.6	Rasgrfl	AF169826	NM_011245	
564	1451913]	a_at	0.002681	76.9	223.17	Hyoul	BC019785	NM_021395	
565	1428429.	at	0 002682	383.57	577.8	Rgmb	AK004310	NMJL78615	
566	1450654_	a_at	0.002684	688 5	864.83	Dhdds	BM233084	NM_026144	
5S7	1455011]	at	0 002686	252.17	386.63	Stard4	BG089858	NM_133774	
568	1420 140_	at	0 002687	161.53	320.13	Bcdin3	AA407595	NM_144913	
569	1435019]	t	00269	3688.1	5218	Atxn713	BB532141	XM_126779	
570	1425175_	at	002699	1208.93	1446.4	Clql3	BB768838	NM_15315S	
571	1427261	"at	0027	460.87	713.8		BC037006	BQ176786	XM_109956
572	1445521]	"at	002728	355.37	457.87	Elavil	BB755434~	NM_010485	
573	1435650]	at	002738	679.43	1233.97	Hapln4	BB082407	I<!M_177900	
574	1451708]	at	002742	42.33	94.27	Gpr33	AF045766	NM_008159	
575	1432918]	at	002746	91.87	130.5	4921511E18Rik	AK014868		
576	1444020_	at	002771	3688.37	5563.37	Cspg3	BM939365	NM_007789	
577	1437918]	at	002772	240.33	322.6	4930539E08Rik	AV374644	NM_172450	
578	1438402]	at	002786	499.4	748.97	9630050M13Rik	BB131315	XM_194000	
579	1426824]	at	002802	606.07	811.5	Psme4	BM195254	NM_134013	
580	1450007]	at	002824	1233.5	1861.63	1500003O03Rik	NM 019769	NM_019769	
581	1443896_	at	002825	8077..5577	968.97	Tbcld	AW240761	NM_028162	
582	1449129_	a_at	0.00283	587.27	970.77	Csen	AF300870	NM_019789	
583	1421348_	a_at	0.002839	2545.73	3619.87	1500001H12Rik	NM 021316		
584	1452484]	at	0.00284	251.6	417.5	Car7	AF291660	NM_053070	
585	1421024_	at	0.002863	340.53	759.03	Agpatl	BB524140	NM_018862	
586	1458443]	at	0.00287	210.9	325.63	Mectl	BE986758	NM_001004062	
587	1423849]	a_at	0.00288	611.97	763.4	Clk3	AF033565	NM_007713	
588	1433388	at	0.002889	162.53	328.37	2900022M07Rik	AK013576		

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589	1441312_at	0,002889	283.77	557.6		BE957323		
590	1431191]a_at	0.002891	3767.93	5758.5	Sytl	AK018163	NM_009306	
591	142711 θ]at	0,002911	192.87	376	1300006N24Rik	B6145492	NM_027911	
592	1451803 a_at	0.002915	867.2	1335.03	Vegfb	U48800	NM_011697	
593	1427895_at	0.00292	579.53	729.03	2310004N24Rik	AK009156	XM_181318	
594	1422622 at	0.002922	327.57	497.87	Nos3	NM_008713	NMJ308713	
595	1450012_x_at	0.002922	15138.13	17491.67	Ywiiag	NM_018871	NM_018871	
596	1434761_at	0.00293	740.4	980.87	Lrrtm3	BM224801	NM_178678	
597	1426314_at	0.002931	311.27	498.47	Ednrb	BB770914	NM_007904	
598	1452377_at	0,002933	412.9	576.83	Mil	AK017S41	XM_110671	
599	1423363 at	0.002948	422.47	711.93	Sortl	AV247637	NM_019972	
600	1426667 a_at	0.002954	1197.9	1744.37	Unc84a	BG071740	NM_024451	
601	1437398 a_at	0.00296	335.3	405.83	Aldh al	BB703752	NM_019993	
602	1449273] at	0.00296	5277.47	6097.87	Cyfip2	NM_133769	NM_133769	
603	1436167] at	0.002963	549.53	806.1	L0C435684	BB798279	NM_001013829	
604	143678 θ]at	0.002963	233.1	597.07	Ogt	BG065325	NM_139144	
605	142158 θ]at	0.002968	166.83	431.37	Cntnapl	NM_016782	NM_016782	
606	1437882_s_at	0.002975	103.43	148.97	3110048L19Rik	6330416L07Rik	AV376276	NM 176962
607	1447863 s_at	0.002977	336.43	618.5	Nr4a2	BB322941	NM 013613	
608	1450982] at	0.002989	793.2	1165.67	Slc9a3rl	BG066200	NM_012030	
60S	1437311] _at	0.003003	4187.23	5255.87	A930034L06Rik	BB281971	NM_175692	
610	1423816] at	0.003013	3581	6870.33	Cxxlb	BC003436	NM_001018063	
611	1431064_at	003016	317.47	589.37	Dpp8	BF119821	NM_028906	
612	1416965] at	003017	6799	9456.17	Pcskln	AF181560	NM_013892	
613	1420998_ _at	003017	524.27	944.13	EtvS	BG966751	NM_023794	
614	1424281] at	003017	423.17	620.47	Ubap2	BC007179	NM_026872	
615	1424651_at	00302	179.9	254.87	BC021611	BC021611	NM_144932	
616	1435558 at	003021	3481.87	5671.93	Bai2	BB351248	NM_173071	
617	1441607 at	003021	138.07	210.07		AU015603	BG075723	
618	1456043_at	0 003022	919.17	1453.77	Usp22	BE951601	NM_001004143	
619	1426577_a_at	0.003033	477.9	639.53	1810054G18Rik	BM570079	NM_029377	
620	1455436_at	0.00304	7675.6	10025.53	Diras2	LOC544932	BM114282	NM_001024474 XM_619099
621	1452162_at	0.003046	859.3	1050.27	Wdr48	BE570732	NM_026236	
622	1427019_at	0.003049	1611.4	2118.93	Ptprzl	BC002298	XM_620293.	
623	14523 07_at	0.003061	525.97	905.73	Cables2	BB667491	NM_145851	
624	1452071 at	0.003065	875.97	1100.67	Slc4a4	BE655147	NM_018760	
625	1416074_a_at	0.00311	8333.33	12172.67	Rpl28	NM_009081	NM_009081	
626	1416986 a at	0.00311	1105.53	1660.7	Ptpnsl	AB018194	NM_007547	

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Table 10

527	1423075_at	0.00311	1001	1210.47	Lman2	AK004952	NM_025828
528	1426341_at	0.003123	2589.97	3173.13	Slc1a3	BB357585	NM_148938
629	1427408_a_at	0.003135	347.3	468.8	Thrap3	BC012655	NM_146153
630	1452714_at	0 003142	300	396	1200003E16Rik	AK004560	NM_198294
631	1447295_at	0.003148	116.13	184.9	Cutll	BM244574	NM_009986 /// NM_198602
632	1450086_at	0.003154	172.57	226.73	Gmebl	AA024025	NM_020273
633	1440407_at	0.003159	514.13	960.27		BE956823	
634	1452801_at	0.003166	246.27	328.13	Pigk	BB646655	NM_025662 /// NM_178Q16
635	1419385_a_at	0.00317	924	979	Obqlnl	NM_026842	NM_026842 /// NM_152234
636	1429554_at	0 003174	1204.77	1646.33	Sdccag3	BF319466	NM_026563 /// NM_030155
637	1451484_a_at	0.003183	7518.4	11284.97	Synl	BC022954	NM_013680
638	1440282_at	0.003187	35.57	88.73	Tulp4 2210038L17Rik	BB268998	NM_054040
639	1422694 at	0.003202	3296.4	4115	Ttyhl	NM_021324	NM_001001454 /// NM_021324
640	1453222_at	0.00321	277.03	478.97	Gsel	BE863648	NM_198671
641	1447883 X at	0.003213	10215.53	16057.2	Mapllc3a	BB299566	NM_025735
642	1429545_at	0.003223	43.03	124.57	Ube2i F830028017Rik LOC546265	BM242612	NM_011665 /// XM_620954
643	1454250_at	0.003225	211.03	395.5	Secl512	AK016259	XM_355790
644	1456547 at	0.003231	172.23	300.33	Ski	BM119402	NM_011385
645	142650 9_s_at	0.003232	567.9	1092.03	Gfap	BB183081	NM_010277
646	1429416_at	0 003238	2883.87	5217.63	Ttc9b	AK013779	XM_3 55870
647	1455744_at	0 003246	330.	458.83	LOC547127	BG076066	XM_621S77
648	1433604_x_at	0.003254	11007.33	15425.9	ftldoa	BGO 65457	NM_007438
649	1434045 at	0.003259	615.37	984.2		BB354528	
650	AFFX-b-ActinMur/M12481_5_at	0.003263	12322.57	21627.13	Actb	AFFX-b-ActinMur/M12481_5	NM_007393
651	1451226_at	0.003268	996	1644.77	Pex6	BCO 03424	NM_145488
652	1460400_at	0.003279	558	744	Spast	AK007793	NM_016962
653	1460101_at	0.003279	221. 3	425.97	Nrxn3	BG076361	HM_172544
654	1456304_at	0.003299	196.7	365.57	Gm996	BF463551	NM_001005424
655	1423392_at	0.003315	679.37	883.5	Clic4	BB398988	NM_013885
656	1452742_at	0.003317	850.83	1170.73	2310001H13Rik	BB010301	NM_175114
657	142303 2_at	0.003328	351.87	640.63	Rpl39	AV107150	NM_026055
658	1423210_a_at	0.003331	6051.87	7188.53	Nola3	AK004120	NM_025403
659	1447703_x_at	0.003331	101.13	186.5	3110024A21Rik	AV214133	NM_024215
660	1438067_at	0.003334	450.83	624.9	NfI	BB526552	NM_010897
661	1424633_at	0.003335	1115.77	1565.47	Camklg	AF428262	NM_144817
662	1422207_at	0.003349	64.3	133.37	Htr5a	NMJ308314	NM_008314
663	1451344_at	0.00335	412.8	659.53		BC025600	BC025600 /// NM_146162
664	1426023__a_at	0.003361	359.23	486.7	Rabepl	AF248489	NM_019400
665	1436337_at	0.003365	149.93	196.27	E030031F02Rik	BF453911	XM_485558
666	1433324 at	0.003371	66.6	112.27	9330154F10Rik	AK020373	

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667	1434256_s_at	0.003375	513.17	602.9	Cds2	BM214378	NM_138651
668	1447392_s_at	0.003379	98.63	212.27	Cpd	BB710395	NM_007754
669	1444472_at	0.003383	128.43	183	Sik2	BB154631	NM_178710
670	1460383_at	0.003386	61.43	153.57	Gnaol	M36778	NM_010308
671	1416719_a_at	0.003398	8719.13	11479.7	Rpslo	LOC545151	NM_025963 /// NM_025963 /// XM_619383
672	1426617_a_at	0.003403	2392.53	3595.97	Ttyhl	BB560071	NM_001001454 /// NM_021324
673	1421673_s_at	0.003404	66.2	123	Stxlb2	Stxlbl	NMJH9560 /// NM_024414
674	1416568_a_at	0.003408	524.73	698.27	Acini	AW228855	NM_019567 /// NM_023190
675	1437944_at	0.00341	246.67	542.4	Shc2	BI714008	XM_125779
676	1449511_a_at	0.003414	1838.53	2719.37	Ssbp4	NMJL33772	NM_133772
677	1425368_a_at	0.003429	238.1	429.63	Numb	AF169192	NM_010949
678	1447229_x_at	0.003439	277.77	405.7	Pacsin3	BM248411	NM_028733 /// NM_030880
679	1424952_at	0.003442	124.77	258	Ociadl	BC006937	NM_023429
680	1451667_at	0.003448	325.57	441.07	C530043G21Rik	BG060641	NM_145413
681	1418214_at	0.003456	1150.53	2536.4	Klc2	NM_008451	NM_008451
682	1452485_at	0.003461	69.77	246.6	Phosphol	AJ457190	NM_153104
683	1456875_at	0.003468	317.4	438.57	1810013L24Rik	AV232053	XM_148044 /// XM_622721
684	1447449_at	0.00348	152.03	284.9	[illegible]	BE983114	[illegible]
685	1450458_at	0.003485	122.03	220.97	Ncoa2	AF000582	NM_008678
686	1428826_at	0.0035	140.43	186.37	Nr6al	AK007201	NM_010264
687	1434612_s_at	0.003517	1277.43	1735.97	Sbnol	BE947961	XM_355637
688	1425539_a_at	0.003529	6725.93	8465.43	Rtn3	AB046114	NM_001003930 /// NM_001003933 /// NM_001003934 /// NM_053076
689	1434415_at	0.003541	3143.07	4643.17	---	BB797871	[illegible]
690	1460279_a_at	0.003546	1759.6	1978.2	Gtf2i	AF043219	NM_010365
691	1425130_a_at	0.003571	448.47	801.23	Ptpn	U28216	NM_013643
692	1415965_at	0.003573	172.77	346	Scdl	NM_009127	NM_009127
693	1455760_at	0.003575	363.1	640.4	Gm696	BB749107	XM_204297
694	1422969_s_at	0.00358	590.1	802.53	Ihpkl	NM_013785	NM_013785
695	1436713_s_at	0.003586	4608.5	5829.2	Gtl2	BM119226	NM_144513
696	1423053_at	0.003587	2179.5	2368.97	Arf4	BI653265	NM_007479
697	1422661_at	0.003588	319.7	376.27	Lgals	AI987967	NM_018886
698	1451724_at	0.003602	488.97	602.57	Aπkmy2	BC024959	NM_146033 /// NM_178910
699	1427385_s_at	0.003603	233	596	Actnl	BC003232	NM_134156
700	1436845_at	0.003613	434.53	709.67	Axin2	BB398993	NM_015732
701	1438363_at	0.00362	415	643.73	LOC434128	BB332375	XM_485870
702	1417969_at	0.003629	1064.6	1227.13	Fbxo31	NM_133765	NM_133765
703	1445878_at	0.003633	62.13	114	C920006O11Rik	BB630205	XM_489286
704	1450903_at	0.003642	1614.03	2769.13	Rad23b	BF138887	NM_009011

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Table 10

705	1454051_at	0 003653	339.63	526.77	2600011E07Rik	AK011185	NM_028113
706	1438686_at	0.003656	200.07	329.67	Eif4g1 LOC547244	BB531220	NM_001005331 /// NM_145941 /// XM_622620
707	1451738_at	0.003658	1274.7	1502.9	Ogt	AF363030	NM_139144
708	1436703_x_at	0.003662	1681.1	2970.6	Snapc2	BB461550	NM_133968
709	1433417_at	0.003663	64.2	122.7	8030497O21Rik	AK020225	---
710	1440676_at	0.00367	59.6	116.03	A830043J08Rik	BB269760	NM_173425
711	1448657_a_at	0.003678	1192.1	1392.3	Dnajb10	NM_020266	NM_020266 /// NM_178055
712	1450202_at	0.003681	1292.4	2031.03	Grin1	NM_008169	NM_008169
713	1425617_at	0.003684	353.4	510.33	Dhx9	U91922	NM_007842
714	1426620_at	0.003686	904.3	1114.77	Chst10	BB549997	NM_145142
715	1423343_at	0.003694	2129.87	3094.77	Slco1c1	BB667135	NM_021471
716	1416521_at	0.003701	9417.9	15441.67	Sepw1	NM_009156	NM_009156
717	1460278_a_at	0.003706	947.3	1249.83	D15Wsu75e	NM_134095	NM_134095
718	1442021_at	0.00371	806.4	1063.2	Gna1	BB502545	NM_010307 /// NM_177137
719	1423544_at	0.003721	1290.53	2015.4	Ptpn5	BB188812	NM_013643
720	1451480_at	0.003728	270.37	418.33	E2f4	BC026649	NM_148952
721	1422972_s_at	0.003738	657	920	Gcn5l2	NM_020004	NM_020004
722	1448171_at	0.00374	180.2	271.67	Siah2	AA414485	NM_009174
723	1455215_at	0.003746	701.83	1352.77	C530028O21Rik	AU067746	NM_175696
724	1416475_at	0.003762	774.47	1160.13	Ube2d2	NM_019912	NM_019912
725	1421126_at	0.003776	146.13	318.97	Ryr2	NM_023868	NM_023868
726	1421520_at	0.003778	100.77	153.87	Jph1	NM_020604	NM_020604
727	1426641_at	0.003786	270.63	415.87	Trib2	BB354684	NM_144551
728	1421263_at	0.003793	277.2	407.03	Gabra3	NM_008067	NM_008067
729	1452440_at	0.003807	274.67	346.63	Tnfsf12 Tnfsf12-tnfsf13	BI730298	NM_001034097 /// NM_001034098 /// NM_011614
730	1422801_at	0.00381	1308.37	1528.07	MGI:1351465	BC021156	NM_013716
731	1460034_at	0.00382	641.4	1003.1	BC042901	BG063745	NM_175021
732	1423630_at	0.00383	553.3	830.47	Cygb	BM899392	NM_030206
733	AFFX-PyruCarbMur/L09192_MA_at	0.003834	217.8	337.67	Pcx	AFFX-PyruCarbMur/L09192_MA	NM_008797
734	1450183_a_at	0.003834	215.27	303.8	Lnk	NM_008507	NM_008507
735	1449018_at	0.00384	2575.17	3193.53	Pfn1	NM_011072	NM_011072
736	1431385_a_at	0.003845	144.63	209.23	Mbtps1	AK002809	NM_019709
737	1424468_s_at	0.003854	577.13	707.77	Phldb1	BC025856	NM_153537
738	1453920_a_at	0.003855	122.87	179.87	Mospd2	BB000068	XM_136156
739	1435867_at	0.003855	1060.37	1518.8	A630082K20Rik	BM244697	XM_145254
740	1421324_a_at	0.003865	467.5	775.27	Akt2	NM_007434	NM_007434
741	1460652_at	0.003867	610.73	828.7	Esrra	NM_007953	NM_007953
742	1449380_at	0.003874	4496.9	7426.67	Pacsin1	BI731319	NM_011861 /// NM_178365

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743	14503 79_at	.003876	138.6	184.57	Msn	NM_010833	NM_010833
744	1421869_at	.00388	225.23	388.27	Trira44	NM_0202S7	HM_020267
745	1450971_at	.003899	224.33	422.57	Gadd45b	AK010420	HM 008655
746	1456682_at	.003911	150.77	261.87	Lonrf2	AV221843	NM 001029878
747	1442824_at	0.003914	31.13	58.	8030497I03Rik	BB071501	
748	1449183_at	0.003918	1362.73	1552.53	Comt	NM_007744	NM_007744
749	1439120_at	0.00392	114 .33	174.37	BC010304	BB324206	
750	1428141_at	0.003925	664.53	860.57	Gga2	AK004632	NM_028758
751	1448812_at	0.003925	2096.2	3286.23	Hpcall	NM_Q16677	NM_016677
752	1425187_at	0.003947	828.8	947 -9	Sellh	BC026816	NM_011344
753	1439954_at	0.00395	221.07	412.13	6430514M23Rik	AI849139	
754	1423365_at	0.003951	446	4 715	Cacnalg	AW494038	NM_009783
755	1443851_at	0.003956	154 5.7	288.73	8430415E04Rik	BE980275	NM_028980
756	1415921_a_at	0.003961	332.83	498.2	Tn£rsfl9	NM_013869	NM_013869
757	1421480 a~at	0.003962	153.13	396.83	Adarbl	NM_130895	NM_001024837 /// NM_001024838 /// NM_001024839 /// NM_001024840 /// NM_130895
758	1434403_at	0.003971	2621.7	3411.17	Spred2	AV229054	NM_033523
759	1433446_at	0.003987	1824.63	2728.9	Hmgcsl	BB705380	NM_145942
760	1457758 at	0.004015	164.67	298.7	Eny2	BB055459	NM_175009
761	1431081_a_at	0.004016	174	308.3	Plscr3	AK011716	NM_023564
762	1438500_at	0.004022	312 07	518.4	B230206N24Rik	BE954519	NM_172487
763	142153S_a_at	0.004031	374.07	589.83	Pde4a	NM_019798	NM_019798 /// NM_183408
764	1423101 at	0.004035	868.47	1133.63	Paqr4	BB279185	NM_023824
765	1422807_at	0.004036	936.97	1747.6	Arf5	NM_007480	NM_007480
766	AFFX-b-ActinMur/M12481_M_at	0.004045	15085.87	25266.6	Actb	AFFX-b-ActinMur/M12481	NM_007393
767	1451592_at	0.004051	834.87	1152.33	MGI:2446472	AF364868	NM_145579
768	1436380_at	0.004055	571.9	890.93	Cdc42bpa	BG518726	XM_619711
769	1460617_S_at	0.00406	5505.8	7025.2	Rab6b	AV220161	NM_173781
770	1455271_at	0.004063	577.S	938.67	1810020C19Rik	BB560177	XM_130317
771	1459019_at	0.004074	1464.2	2023.1	Sprn	BB284188	NMJ.83147
772	1426081_a_at	0.004086	810.03	1469.8	Dio2	AF177197	NM_010050
773	1447982_at	0.004091	270.9	415.63	1110008P14Rik	C79326	NM 198001
774	1423845 at	0.004096	602.7	955.4	Csdc2	BC016109	NM_145473
775	1421990 at	0.004098	7074.27	8637.27	Sytl	NM_009306	NM_009306
776	1448202_X_at	0.004103	3730.87	4180.3	2610524G07Rik	NM 025596	NM 025596
777	1441300 at	0.004103	402.87	673 .93	Kcnfl	BB275623	NM_201531
778	1422936_at	0.004106	120.03	202.13	Masl	NM_008552	NM_008552
779	1422984_at	0.004106	298.97	614.53		NM_009990	
780	1425850_a_at	0.00414	406.47	475.73	Nek6	BC019524	NM 021606
781	1431207 at	0.004142	217.67	341.87	2900024O10Rik	BI988711	NM_028372

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782	1460237_at	0.004156	203.03	343.33	Trim8	BG063064	NM_053100	
783	1456785_at	0.004184	638	814.53	Crsp2	BQ175889	NM_012005	
784	1450915_at	0.004189	373.6	467.23	Ap3b1	BM222025	NM_009680	
785	1450413_at	0.004216	155.97	287.73	Pdgfb	BC023427	NM_011057	
786	1433479_at	0.004222	375.97	447.27	5730410I19Rik	AV030071	NM_025666	
787	1433410_at	0.004223	45.97	93.53	C030014O09Rik	AK021082		
788	1416753_at	0.004232	8520.2	14075.67	Prkar1b	NM_008923	NM_008923	
789	1416191_at	0.004248	529.43	846.3	Sec61a1	BC003707	NM_016906	
790	1424956_at	0.004252	231.17	417.3	Ahdc1	BC01913	NM_146155	
791	1425784_a_at	0.004259	10926.9	13549.33	Olfml3	D78264	NM_019498	
792	1419190_at	0.00426	356.1	563.03	Vti1a	BC019386	NM_016862	
793	1448739_x_at	0.004266	7456.73	10479.07	Rps15	NM_011296	NM_011296	
794	1417480_at	0.004269	2362.33	2874.43	Fbxo9	NM_023605	NM_023605	
795	1418794_at	0.004269	384.47	640.9	Cds2	BB487604	NM_138651	
796	1438207_at	0.004272	271.03	447.27	Gbf1	BB744704	NM_178930	
797	1440984_at	0.004274	48.13	81.03	5830435C13Rik	BE943712	NM_001001182	
798	1427559_a_at	0.004277	676.33	997.97	Atf2	M31629	NM_001025093 /// NM_009715	
799	1425572_a_at	0.004292	1475.53	2453.17	Ddef1	BE943736	NM_010026	
800	1434610_at	0.004293	996.9	1473.67	Pled	BM210485	NM_011117 /// NM_201385 /// NM_201386 /// NM_201387 /// NM_201388 /// NM_201389 /// NM_201390 /// NM_201391 /// NM_201392 /// NM_201393 /// NM_201394	
801	1423907_a_at	0.004299	6707.1	8149.97	Ndufs	BC021616	NM_144870	
802	1418078_at	0.004315	761.73	1445.57	Psme3	U60330	NM_011192	
803	1451147_x_at	0.004327	544.33	911.4	Csdc2	BC016109	NM_145473	
804	1437257_at	0.004334	386.43	524.9	Wdr47	BB344753	NM_181400	
805	1426255_at	0.004336	9435.73	12697.13	Nefl	M20480	NM_010910	
806	1416504_at	0.004341	264	391.1	Ulk1	AF072370	NM_009469	
807	1460260_s_at	0.004353	1650.93	2012.03	Kpna1	U20619	NM_008465	
808	1425106_a_at	0.004367	431	552.07	Wars	BC003450	NM_011710	
809	1444488_at	0.004368	507.27	790.23	Cadps	BE982890	NM_012061	
810	1455960_at	0.00438	316.23	461.2	Egfl5	BB483642	NM_172694	
811	1459107_at	0.004381	1499.07	2525.77	Kcnh3	BG069378	NM_010601	
812	1437300_at	0.004382	663.93	1093.3	Mef2d	BG067616	NM_133665	
813	1457840_at	0.004384	162.9	251.93	Plxna4	BG073521	NM_175750	
814	1421215_a_at	0.004386	153.73	264.77	Slmap	NM_032008	NM_032008	
815	1429719_at	0.00439	308.77	472.63	Foxp4	AK009204	NM_028767	
816	1435651_a_at	0.004393	214.17	418.7	Smarcad1	BM055692	NM_007958	
817	1422119_at	0.004397	217.17	539.83	Rab5b	NM_011229	NM_011229 /// NM_177411	
818	1423853_at	0.004412	6101.1	7438.33	6330527O06Rik	BC004791		
819	1452269_at	0.004412	6786.63	9905.13	Sp3	AF026489	NM_021287	
820	1444298_at	0.004412	572.43	799.43	A130090K04Rik	BB703415		

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833	1420980]]at	0.004546	7876.23
834	1441894] s at	0.004563	3927.47
835	1431097~ at	0.004584	104.57
836	1446392 "]at	0.004599	168.97
837	1439807]]at	0.004606	
838	1438017]_at	0.004612	1045.1
839	I453054]]]at	0.004621	1265.27
840	1440274_ _at	0.00464	193.4
841	1429591~ _at	0.004644	271.7
842	1451341_ _s at	0.004646	189.43
843	1429228_]at	0.004657	212.03
844	1416785_ _at	0.004663	434.27
845	1416278 "_a_at	0.004671	9059.33
846	1423642]]at	0.004679	6511.63
847	1430851~ _at	0.004679	173.73
848	1415699 "a at	0.004687	3271.6
849	1416437_ _a_at	0.004691	1838.53
850	1434575_ _at	0.004692	2563.27
851	1456384_ _at	0.004699	288.3
852	1425600] a at	0.00471	596.17
853	1459729]_at	0.004716	177
854	1430777 "_a_at	0.004725	335.13
855	1416256_ _a_at	0.004739	10257.5
856	1455571 "x at	0.004742	21506.27
857	1434420_ _x_at	0.00476	416.53
858	1419224 "]at	0.004769	866
859	1436485 "s at	0.004769	68.3

NM_001008794 /// NM_001008795 /// NM_001008796 /// NM_001008797 /// NM_001008798 /// NM_028640

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860	1421568_at	0.004776	262.17	399.03	Kcna6	NM_013568	NMJ313568
861	1450866_a_at	0.004778	1135.97	1304.57	Mrpll7	BQ17955S	NM_0253 01
862	1416750_at	0.004782	712.73	979.07	Oprsl	NM_011014	NM_011014
863	1452812_at	0.004789	2572.9	4876.47	Lphnl	AA987131	NM_181039
864	1439041_at	0.00479	2702.83	3275.93	Slc39al0	BM239325	KM_172653
865	1423617_at	0.004738	845.7	945.87	Cog8	AA790871	NMJL39229
866	1452661_at	0.004804	3296.27	3883.17	T f r e	AK011596	NM_011638
867	1429979_a_at	0.004813	150.17	307.27	1810073N04Rik	AK007977	NM_024249
868	1420632_a_at	0.00482	1125.53	1365.37	Bscl2	AF069954	NM_008144
869	1452226_at	0.00482	229.43	420.83	Rcc2	AV122997	NM_173867
870	141968 0_a_at	0.004827	328.93	4661	Ellaacc2	NM_023479	NM_023479
871	1448431_at	0.004834	441.77	667.99	Assbb8	MM_133346	NM 133346
872	1441867_x_at	0.. 000044883344	403.7	475.67	43933 0534B04Rik	AI480494	NM_181815
873	1436011_at	0.00044884444	25599..6677	348.47	Ellmm02	BB123652	NM_080287 /// NM_207704 /// NM_207705 /// NM_207706
874	14163 65_at	0.00044884499	95522	11751.33	Hssppccb	BI154147	NM_008302
875	1418456_a_at	0.. 000044885588	1234.53	1905.5	Cxcll4	AF252873	NM_019568
876	1428986_at	0.00044886611	688999.6	13251.63	Sllcll7a7	BQ175176	NM_182993
877	1427328_a_at	0.. 000044886699	1580	2184	Clasp2	BM221361	NM_029633
878	1423 031_at	0.000448877	10022 00..44	1370.57	Maea	AV011036	NM_021500
879	14520 35_at	0.00044887733	64455..2233	769.97	Cooll44al	BF158638	NM_009931
880	1434255_at	0.004876	93.67	139.7	Pacs2	AV145060	XM_203601
881	14458 05_X_at	0.004882	1672.93	2595.4	Kcnh3	BG069378	NM_010601
882	14308S9_a_afc	0.004892	607.53	951.7	Habp4	BF460630	NM_019986
883	1427718_a_at	0.004898	546.83	608.27	Mdm2	X58876	NM_010786
884	1417128_at	0.0049	412.4	729.43	2810052M02Rik	NM_023320	NM_023320
885	1436053~at	0.004901	481.63	785.83	Tbcld22b	BB272520	NM_198647
886	1449107_at	0.004912	1286.83	1517.83	Nudt4	NM_027722	NM_027722
887	1438199_at	0.004925	714.6	860.47	AI316807	AW228053	NM_001012667
888	1420845_at	0.004927	430.37	547.77	MrpS2	AV031454	NM_080452
889	1435652_a_at	0.004932	2453.9	2938.87	Gnai2	BF228116	NM_008138
890	1450804_afc	0.004938	1865.97	2630	Kif5c	AI844677	NM_008449
891	1417358_s_at	0.004943	194.23	306.97	Sorbsl	NM_009166	NM_001034962 /// NM_001034963 /// NMM__001034964 /// NM_ 009166 /// NMJL78362
892	1427307_a_at	0.004954	393.33	512.3	Dabl	BB644109	NM_010014 /// NM_177259
893	1421328_at	0.004957	1512.17	2153.3	Mtap2	A730034C02	BM937510
894	1416075__at	0.004959	280.27	362.7	Savl	NM_022028	NM_022028
895	142656 0_a_at	0.004961	175.2	257.97	Npnt	AA223007	NM_001029836 /// NM_033525
896	145183 9_a_at	0.004969	233.93	274	Pde7a	AY007702	MM_008802
897	1425551_at	0.004971	370.5	579.33	Hiplr	AA590970	NM_145070
898	1434893 at	0.004973	2707.9	3280.83	Atpla2	AI845177	NM_178405

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899	1438309_at	0.004984	121.97	193.33		BB432539	
900	1424345_s_at	0.004391	1434.3	2247.47	Ube2m	BC021792	NM_145578
901	1416050_a_at	0.004993	403.47	553.63	Scarb1	NM_016741	NM_016741
902	1423283_at	0.004998	3895.17	4560.8	Pitpna	AA239637	NM_008850
903	1416038_at	0.005001	760.1	1090.97		AL033314	NM_019776
904	1417200_at	0.005002	1064.03	1347.6	1300007B12Rik	AK007779	NM_020588
905	1416493_at	0.005004	1718.5	2455.97	Ddost	NM_007838	NM_007838
906	1423571_at	0.005013	1584.7	1819.27	Edg1	BB133079	NM_007901
907	1452724_at	0.005016	661.7	999.77	Ppp1r1a	AK013817	NM_033371
908	1455136_at	0.005019	3704.13	4546.47	Atp1a2	AI845177	NM_178405
909	1431164_at	0.005025	216.93	434.7	Rragd	AK017818	NM_027491
910	1448348_at	0.005029	838	1008.07	Gpiap1	BE981338	NM_016739
911	1441371_at	0.005031	533.93	834.4	Plxna4	BQ174019	NM_175750
912	1420580_at	0.005036	264.47	407.63	4930429B21Rik	NM_026249	NM_026249
913	1452834_at	0.005045	132	169.43	2600010E01Rik	AK011178	NM_175181
914	1423409_a_at	0.005053	1790.77	2018.7	2500003M10Rik	BE692070	NM_023215
915	1424871_s_at	0.005059	796.7	1051.6	1500031H01Rik	BC013706	XM_358753 /// XM_622593
916	1448153_at	0.005065	8652.47	12342.73	Cox5a	NM_007747	NM_007747
917	1433450_at	0.005067	2411.17	2970	Cdk5r1	BB177836	NM_009871
918	1438197_at	0.005068	296.53	439.7	AI854408	AV274318	NM_172538
919	1424530_at	0.005077	370.4	626.73	Sec14l2	BC005759	NM_144520
920	1451110_at	0.005105	566.73	1033.97	Egln1	BE995700	NM_053207
921	1429509_at	0.005109	391.73	607.7		BB771548	
922	1449188_at	0.005116	295.77	510.23	Midn	NM_021565	NM_021565
923	1448411_at	0.005131	1239.47	1640	Wfs1	NM_011716	NM_011716
924	1417627_a_at	0.005137	408.07	475.2	Limk1	NM_010717	NM_010717
925	1451098_at	0.00514	876.53	1329.27	Pcoln3	BC010524	NM_145606
926	1455168_a_at	0.005143	5953.4	7943	Gnb2l1	BM210111	NM_008143
927	1425711_a_at	0.00515	868.5	1206.63	Akt1	M94335	NM_009652
928	1420844_at	0.005157	306.97	558.83	Ubqln2	AV171029	NM_018798
929	1436320_at	0.005179	894.67	1566.57		W45978	
930	1436509_at	0.005179	260.03	386.4	2410014A08Rik	BB000110	NM_175403
931	1423588_at	0.005181	1824.13	2563.63	Arpc4	BG145444	NM_026552
932	1434412_x_at	0.005182	1446.07	2025.77	Stub1	AW490135	NM_019719
933	1432589_at	0.005189	492.53	764.03	---	BF166706	---
934	1417807_at	0.005196	237.2	321.73	2700038N03Rik	NM_027356	NM_027356
935	1447228_at	0.005199	358.87	608.63	Pacsin3	BM248411	NM_028733 /// NM_030880
936	1439148_a_at	0.005201	2930.27	4101.37	Pfkl	BE914497	NM_008826
937	1423264_at	0.005213	737.93	1032.33	Bop1	BM213936	NM_013481
938	1438638_x_at	0.005228	251.13	371.13	1700027J05Rik	BB195788	NM_027081

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939	1425521_at	0.005229	668.67	752.07	Paip1	BC019726	NM_145457
940	1428549_at	0.005229	1091.73	1387	Ccdc3	AK009833	NM_028804
941	1441554_at	0.005229	55.5	125.77	4833446K15Rik	BB463760	---
942	1415746_at	0.005232	1441.8	2495.47	Cic	AF363690	NM_027882
943	1424117_at	0.005243	602.67	983.4	BC056474	BC024937	NM_001001493
944	1457793_a_at	0.005256	191.07	264.67	Whsc1l1	BB154130	XM_620640
945	1424203_at	0.005257	458.3	725.67	Ncln	BC019501	NM_134009
946	1435790_at	0.005268	1510.37	2631.67	Olfm2	BG864960	NM_173777
947	1425881_at	0.005276	56.6	107.7	Psg28	AF113598	NM_054063
948	1420837_at	0.005288	208.17	330.9	Ntrk2	AK018789	NM_001025074 /// NM_008745
949	1422168_a_at	0.005291	431.03	926.27	Bdnf	AY057913	NM_007540
950	1416492_at	0.005316	268.7	401.3	Ccne1	NM_007633	NM_007633
951	1451808_at	0.00532	780.3	1341.27	Kcnj4	U11075	NM_008427
952	1448242_at	0.00533	899.2	1330.2	Sec61a1	BC003707	NM_016906
953	1427045_at	0.005332	1958.37	2762.93	Synpo	AI849322	XM_619542 /// XM_619543
954	1431196_at	0.005341	398.3	609.23	Atp2c1	BG296252	NM_175025
955	1433888_at	0.005366	8730.37	10795.37	Atp2b2	AV343478	NM_009723
956	1416840_at	0.005371	2932.1	3745.47	Mid1ip1	NM_026524	NM_026524
957	1431226_a_at	0.005398	1035.53	1507.03	4933407C03Rik	BB324697	---
958	1431469_a_at	0.005405	1271.2	1916.73	Sema4a	NM_013658	NM_013658
959	1448428_at	0.005413	352.83	556.7	Nbl1	NM_008675	NM_008675
960	1448110_at	0.005415	441.47	762.17	Cxxc5	AK015150	NM_133687
961	1427980_at	0.005438	852.87	1341.57	Fndc4	AK013203	NM_022424
962	1426108_s_at	0.005453	405.7	614.37	Cacnb1	AY094172	NM_031173 /// NM_145121
963	1426313_at	0.005462	995.4	1168.8	Bre	BE984258	NM_144541 /// NM_181279 /// NM_181280 /// NM_181281 /// NM_181282
964	1458866_at	0.005466	125.87	206.13	A930001M12Rik	BB277030	NM_177175
965	1417325_at	0.005469	240.2	331.6	Btrc	NM_009771	NM_009771
966	1436702_at	0.005478	1569.77	2589.03	[illegible]	BC034068	[illegible]
967	1435736_x_at	0.005504	198.5	223.9	Rab14	AV205856	NM_025931
968	1434854_a_at	0.005507	5312.37	7453.03	Rps10	BB000887	NM_025963
969	1433554_at	0.005512	1622.07	1831.07	[illegible]	BM246500	NM_177682
970	1423081_a_at	0.005514	1244.33	1492.97	Tomm20	AK002902	NM_024214 /// XM_621030
971	1429023_at	0.005523	323.57	509.6	2900042E01Rik	AK013637	NM_175189
972	1437910_at	0.005527	227.77	372.27	Tmem39b	BI900109	NM_199305
973	1435070_at	0.005533	700.43	815.47	Aebp2	BQ174632	NM_001005605 /// NM_009637 /// NM_178803
974	1433603_at	0.005547	3846.23	4453.7	Ndufs6	C88200	NM_010888
975	1459363_at	0.005551	214	347.13	Sca2	AV318787	NM_009125
976	1418468_at	0.005552	217.4	312.67	Anxa11	NM_013469	NM_013469
977	1433209_at	0.005559	83.4	157.63	2210017G18Rik	AK008743	---

Table 10

978	1427100_at	0.005595	633.		
979	1422758_at	0.005609	884.7	1343	
980	1448869_a_at	0.005618	1092		
981	14[illegible]				
982	1448218_s_at	0.005654			
983	1417205_at	0.005656	265.1	386.47	Kdel
984	1436387_at	0.005683	2540.6		
985	1421166_at	0.005687			
986	1415814_at	0.005688			
987	1429568_x_at	0.005695	814.		
988	1446484_at	0.005705	370.7	633.	
989	1452390_at	0.005708	188.67	319.	
990	1424386_at	0.005712	690.		
991	1421388_at	0.005721	313.2	567.	
992	1433671_at	0.005724			
993	1420968_at	0.005732	272.6	514.17	
994	1447346_s_at	0.00[illegible]			
995	1417862_at	0.005735	391.4	523.	
996	1453297_at	0.005737	2129		
997	1418792_at	0.005738	3204		
998	1422009_at	0.005745	2080		
999	1431936_a_at	0.00[illegible]			
1000	1424767_at	0.005771	535.37		
1001	1416443_a_at	0.00578			
1002	1416700_at	0.005787	672.9	1004	
1003	1434801_x_at	0.00[illegible]			
1004	1460294_at	0.00579	157.73	239.	
1005	1429680_at	0.005793	242.		
1006	1446048_at	0.[illegible]			
1007	1448698_at	0.005808	418.83	789.	
1008	1418467_at	0.005822			
1009	1423810_at	0.005823	3263		
1010	1451181_at	0.005832	213.93		
1011	1458213_at	0.005834	98.5	151.8	
1012	1449405_at	0.005858	239.8	310.	
1013	1452105_a_at	0.005863			
1014	1421063_s_at	0.005864	17842.27	20599.9	
1015	1418753_at	0.005879			
1016	1452376_at	0.005879	215.5	387.33	
1017	1448656_at	0.005883	2969.03		

Table 10

1018	1420807_a_at	0.005891	515.7	809.57	Egfl9	NM_134120	NM_134120 /// NM_207666
1019	1441089_at	0.005893	167.17	247.4	Eif2c3	BB205493	NM_153402
1020	1417440_at	0.005912	1160.23	1904.1	Arid1a	NM_033566	NM_033566
1021	1419656_at	0.005927	398.53	573.87	Slc25a36	BB503267	NM_138756
1022	1455023_at	0.00593	1165.67	1554.37	N28178	BB171181	NM_172690
1023	1458077_at	0.005933	58.33	95.07	---	BB525358	---
1024	1450718_at	0.005939	115.93	195.87	MGI:1345171	NM_018825	NM_018825
1025	1451743_at	0.005943	242.13	319.5	D19Wsu162e	BC026369	NM_146099
1026	1458364_s_at	0.005945	473.2	732.53	---	BM068979	---
1027	1435115_at	0.005949	548.07	852.73	Fndc5	AW556555	NM_027402
1028	1427481_a_at	0.005961	7507.27	11909.77	Atp1a3	BC027114	NM_144921
1029	1428777_at	0.005978	868.77	1191.9	Spred1	AK017680	NM_033524
1030	1421198_at	0.005981	399.57	576.3	Itgav	NM_008402	NM_008402
1031	1449448_at	0.005983	539.33	664.13	Med9	BC019367	NM_138675
1032	1437032_x_at	0.006	247.47	383.1	Rbm14	BB780829	NM_019869
1033	1436547_at	0.006002	741.5	903.2	Dgke	AV274554	NM_019505
1034	1423854_a_at	0.006008	4972.4	6307.23	Rasl11b	BC008101	XM_355606
1035	1451583_a_at	0.006022	228.77	337.83	BC025076	BC025076	XM_618882
1036	1433625_at	0.006036	1254.43	1477.23	5830434P21Rik	AV316216	NM_172661
1037	1444660_at	0.00604	135.07	208.4	4932438A13Rik	BB486179	XM_619889 /// XM_622891
1038	1454750_a_at	0.006044	263.13	355.53	BC057552	BG069746	NM_172502
1039	1450871_a_at	0.006045	1380.9	1633.57	Bcat1	X17502	NM_001024468 /// NM_007532
1040	1454712_at	0.006052	833.97	1008.1	Mcart1	AW212577	NM_001009949
1041	1430498_at	0.006053	55.37	89.67	9130009I01Rik	AI448485	---
1042	1427344_s_at	0.006065	821.33	1021.2	Rasd2	BC026377	XM_204287
1043	1433720_s_at	0.006081	6895.53	9718.13	MGI:2143558	AI647775	NM_175329
1044	1451192_a_at	0.006091	663.07	764.13	Ttc4	BC025435	NM_028209
1045	1432848_a_at	0.006102	307.1	443.37	1200004M23Rik	AK016489	NM_026169
1046	1432181_s_at	0.006103	389.03	567.77	Ecgf1	AK013765	NM_138302
1047	1450955_s_at	0.006108	722.47	1146.83	Sort1	AV247637	NM_019972
1048	1433556_at	0.00611	2211.27	3182.27	Cental	AV264037	NM_172723
1049	1450720_at	0.006111	1027	1233.7	Acp1	AW554436	NM_021330
1050	1431946_a_at	0.006117	745.67	1057.57	Apba2bp	AK013520	NM_021546
1051	1419377_at	0.006123	362.37	448.13	Med9	BC019367	NM_138675
1052	1423334_at	0.006147	485.63	918.03	1200007D18Rik	AK003239	NM_026170
1053	1429708_at	0.006154	5074.1	5952.37	Ndufa11	AA596846	XM_128696
1054	1420506_a_at	0.006157	2646.6	3941.93	Stxbp1	AF326545	NM_009295
1055	1423252_at	0.006157	1563.33	1754.77	Hdgfrp3	BB291880	NM_013886
1056	1452913_at	0.006158	496.57	719.37	Pcp4l1	AV337888	XM_484933
1057	1417303_at	0.006161	299.7	500.23	Mvd	NM_138656	NM_138656

Table 10

1058	1425076_at	0.006176	300.63	371.93	Dnajcl8	AI606403	NM_029669
1059	1425834_a_at	0.00618	301.1	460.2	Gpam	BC019201	NM_008149
1060	1451897_a_at	0.00618	934.97	1109.9	Nbrl	AF227188	NM_008676
1061	1419023_x_at	0.006181	11937.2	15840.3	Enol	NM_023119	NM_023119
1062	1451627_a_at	0.006181	390.13	566.1	Slcla2	U75372	NM_011393
1063	1416550_at	0.006186	418.167	552.77	Slc35b4	BB320416	NM_021435
1064	1417294_at	0.006186	634.7	794	Akr7a5	NM_025337	NM_025337
1065	1418036_at	0.006203	163.167	181.57	Prim2	NM_008922	NM_008922
1066	AFFX-BioC-5_at	0.00622	1446.6	2162.6	bioC	AFFX-BioC-5	---
1067	1420816_at	0.006221	601	2335.7	Ywhag	NM_018871	NM_018871
1068	1421321_a_at	0.006232	225.23	408.97	Netl	NM_019671	NM_019671
1069	1430046_at	0.006234	164.	283.87	Otud3	AK014098	XM_131770
1070	1428838_a_at	0.006241	173.33	245.07	Dck	BE630687	NM_007832
1071	1424668_a_at	0.006256	401.77	685.07	Cutll	BC014289	NM_009986 /// NM_198602
1072	1458075_at	0.006265	206.1	301	Dst	BB350401	NM_010081 /// NM_133833 /// NM_134448
1073	1458358_at	0.006272	261.87	368.27	Pank2	BB402666	NM_153501
1074	1418631_at	0.006274	1298.8	1430.8	Ube2h	BI694835	NM_009459
1075	1455401_at	0.006275	3262.77	4454.87	Camkk2	AW061083	NM_145358
1076	1424365_at	0.006276	3678.3	4413.8	1810037I17Rik	BC002135	NM_024461
1077	1454759_at	0.006283	1321.2	1952.83	Gitl	AV230461	NM_001004144
1078	1446682_at	0.006295	66.73	178.4	Zswim6	BB660139	XM_358311
1079	1428155_at	0.0063	747	929.77	Commd9	AK007640	NM_029635
1080	1417709_at	0.006307	5486	7468.77	Cyp46a1	NM_010010	NM_010010
1081	1426647_at	0.006312	595.53	673.83		AK018610	
1082	1418246_at	0.006325	83.33	193.57	Rbm9	BG277926	NM_053104 /// NM_175387
1083	1435512_at	0.006335	472.2	759.73	AI836003	BM114590	NM_177716
1084	1434657_at	0.006346	8702.13	10753.97	GIs	BE983473	XM_129846
1085	1440132_s_at	0.006348	10278.3	17191.27	Prkar1b	BB283894	NM_008923
1086	1450969_at	0.006352	918.67	1197.37	Pccb	BB787147	NM_025835
1087	1455884_at	0.006357	497.07	712.73	Dpp9	BB667346	NM_172624
1088	1448413_at	0.006358	534.37	734.93	2410016O06Rik	NM_023633	NM_023633
1089	1448580_at	0.006366	816.73	1050.03	Glgl	BG074127	NM_009149
1090	1455326_at	0.006369	1084.1	1333.4	4932416N17Rik	BB315720	NM_177562
1091	1445241_at	0.006372	231.7	456.97	Rab11fip4	BB328987	NM_175543
1092	1425629_a_at	0.006373	605	1075.9	Nol6	AF361078	NM_139236 /// NM_139237
1093	1453317_a_at	0.006387	3642.8	4250.57	Khdrbs3	AK014353	NM_010158
1094	1450056_at	0.006395	760	1025.77	Ape	NM_007462	NM_007462
1095	1459847_x_at	0.006395	488.37	588.97	Gfra2	AV354240	NM_008115
1096	1453260_a_at	0.006422	986.4	1105.13	Ppp2r2a	AK010380	XM_619260
1097	1417050_at	0.006431	5901.23	7958.03	Clqtnf4	AI606403	NM_026161

Table 10

1098	1454995_at	0.006436	1357.6	2024.67	Ddah1	AW556888	NM_026993
1099	1422564_at	0.006443	540.8	976.63	Actl6b	NM_031404	NM_031404
1100	1419589_at	0.006452	120.53	241.93	C1qr1	BB039247	NM_010740
1101	1430613_at	0.006461	287.03	436.97	1520402A15Rik	BB749015	XM_204182
1102	1439029_at	0.006462	383.93	486.47	Gpt2	BG069993	NM_173866
1103	1460650_at	0.006488	1428.07	2496.6	Atp6v0a1	U13836	NM_016920
1104	1419188_s_at	0.006497	4437.57	5179.5	Ccl27	NM_011336	NM_011336
1105	1446536_at	0.006499	77.1	143.3	Sema6d	BB482394	NM_172537 /// NM_199238 /// NM_199239 /// NM_199240 /// NM_199241
1106	1451830_a_at	0.006503	139.77	228.83	Spnb2	AF016040	NM_009260 /// NM_175836
1107	1426152_a_at	0.006504	148	224.73	Kitl	M64262	NM_013598
1108	1459903_at	0.006507	2156.87	2779.77	Sema7a	AA144045	NM_011352
1109	1431137_at	0.006526	994.87	1656.37	Rusc1	AI614077	NM_028188
1110	1455228_at	0.00653	1267.93	1444.73	Whsc1	BQ177743	XM_132006
1111	1420825_at	0.006542	216.6	278.13	Letm1	BG060855	NM_019694
1112	1450623_at	0.006564	5857.37	8698.9	Gnb2	NM_010312	NM_010312
1113	1446729_at	0.006564	111	211.13	Disp2	BB179083	NM_170593
1114	1416960_at	0.006577	1199.33	1805.23	B3gat3	NM_024256	NM_024256
1115	1428690_at	0.006581	270.47	482.6	Tysnd1	BF466063	XM_125636
1116	1425567_a_at	0.006587	1574.73	1879.77	Anxa5	D63423	NM_009673
1117	1452248_at	0.006601	888.3	1466.07	Plekhg5	BC023181	NM_001004156
1118	1416949_s_at	0.006638	1406.9	1722.33	Slc39a7	NM_008202	NM_008202
1119	1447222_at	0.006639	211.73	354.07	Hspa12a	AI854582	NM_175199
1120	1437564_at	0.006649	59.4	113.37	Pclg	AV351762	NM_017462
1121	1421975_a_at	0.00665	204.97	351.13	Add2	AF189769	NM_013458
1122	1440841_at	0.006663	221.53	345.2	Ywhae	BF714941	NM_009536
1123	1426118_a_at	0.006673	1033.03	1437.2	Tomm40	AF109918	NM_016871
1124	1426885_a_at	0.006678	3115.5	4613.1	Cdk2ap1	AK004852	NM_013812
1125	1452085_at	0.006691	851.43	1075.67	Gatad1	BE134386	NM_026033
1126	1416554_at	0.006697	240.8	375.33	Pdlim1	NM_016861	NM_016861
1127	1417326_a_at	0.006706	1608.57	2216	Anapc11	NM_025389	NM_025389
1128	1449111_a_at	0.006716	1369.1	1823.83	Grb2	BG064712	NM_008163
1129	1424608_a_at	0.006718	199	272.13	LOC432458	BM225255	NM_001013789 /// XM_483895 /// XM_483912 /// XM_483913 /// XM_483946 /// XM_483977 /// XM_484125 /// XM_484291 /// XM_484292 /// XM_484319 /// XM_484376 /// XM_484407 /// XM_484447 /// XM_484454 /// XM_484559 /// XM_484561 /// XM_484562 /// XM_484693 /// XM_484695 /// XM_484802 /// XM_484847 /// XM_485243 /// XM_485319 /// XM_485360 /// XM_485467 /// XM_485504 /// XM_485614 /// XM_485615 /// XM_485810 /// XM_486086 /// XM_486091 /// XM_486098 /// XM_486135 /// XM_486202 /// XM_486237 /// XM_486341 /// XM_486444 /// XM_486448 /// XM_486472 /// XM_486521 /// XM_486669 /// XM_486713 /// XM_486724 /// XM_486813 /// XM_488765 /// XM_489354 /// XM_489607 /// XM_489716 /// XM_489745 /// XM_618759 /// XM_618771 /// XM_618822 /// XM_618838 /// XM_618869 /// XM_618937 /// XM_618968 /// XM_618987 /// XM_619019 /// XM_619110 /// XM_619111 /// XM_619121 /// XM_619158 /// XM_619270 /// XM_619283 /// XM_619300 /// XM_619339 ///

Table 10

XM_619349 /// XM_619375 /// XM_619402 /// XM_619404 /// XM_619482 /// XM_619498 /// XM_619502 /// XM_619600 /// XM_619608 /// XM_619612 /// XM_619614 /// XM_619615 /// XM_619633 /// XM_619662 /// XM_619666 /// XM_619689 /// XM_619708 /// XM_619750 /// XM_619868 /// XM_619873 /// XM_619896 /// XM_619991 /// XM_620013 /// XM_620083 /// XM_620093 /// XM_620108 /// XM_620115 /// XM_620193 /// XM_620233 /// XM_620272 /// XM_620294 /// XM_620309 /// XM_620332 /// XM_620343 /// XM_620388 /// XM_620432 /// XM_620472 /// XM_620551 /// XM_620621 /// XM_620626 /// XM_620629 /// XM_620631 /// XM_620632 /// XM_620638 /// XM_620732 /// XM_620779 /// XM_620780 /// XM_620969 /// XM_621018 /// XM_621049 /// XM_621050 /// XM_621055 /// XM_621069 /// XM_621127 /// XM_621155 /// XM_622271 /// XM_622402 /// XM_622432

1130	1425765_at	0.006736	79.27	128.4	Rrn3	BC006659	XM_156394 /// XM_358764
1131	1420669_at	0.006741	259.57	598.93	Arnt2	AI428888	NM_007488
1132	1450384_at	0.006745	560.83	838.33	Bace1	AF200346	NM_011792
1133	1426373_at	0.006754	1324.53	1520.33	Ski	AK019148	NM_011385
1134	1426517_at	0.006754	2309.7	2871.2	Gnaz	AI326356	NM_010311
1135	1438424_at	0.006758	186.43	293.03	C530046L02Rik	BB452514	NM_173186
1136	1424100_s_at	0.006774	2558.43	3687.53	1500001H12Rik	BC023032	NM_021316
1137	1451748_a_at	0.006781	2218.27	2837.23	D12Ertd771e	BC019973	NM_028262
1138	1418629_a_at	0.006805	1689.33	2228.77	---	NM_011317	---
1139	1442166_at	0.006806	1371.37	2073.63	Cpne5	BB273427	NM_153166
1140	1420979_at	0.006814	3909.5	4733.37	Pak1	BF456404	NM_011035
1141	1447385_at	0.006815	1185.4	1497.5	---	AI843353	---
1142	1427646_a_at	0.006836	538.6	831.63	Arhgef2	X95761	NM_008487
1143	1423007_a_at	0.006841	333.4	513.43	Gfra2	NM_008115	NM_008115
1144	1422036_at	0.006898	123	179.7	Strn	NM_011500	NM_011500
1145	1440639_at	0.006904	320.53	534.2	Dlgap1	AV320585	NM_027712 /// NM_177639
1146	1448978_at	0.006906	5347.3	6833.5	Ngef	NM_019867	NM_019867
1147	1452584_at	0.006913	4539.1	5377.87	1500032L24Rik	BG915677	NM_026914
1148	1460009_at	0.006929	291.8	412	Ier5	BB667115	NM_010500
1149	1422827_x_at	0.006932	322.63	411.8	Slc35a2	NM_078484	NM_078484
1150	1431972_a_at	0.006933	234.47	292.23	Gcap14	AK005931	NM_028407
1151	1415998_at	0.006939	5054.17	7716.1	Vdac1	NM_011694	NM_011694
1152	1423076_at	0.006949	225.7	306.07	Snx9	BB703513	NM_025664
1153	1438671_at	0.006954	5999.83	6881.47	Ppp2r2c	AV223153	NM_172994
1154	1417724_at	0.006956	494.6	770	Thoc4	NM_011568	NM_011568
1155	1451356_at	0.006964	2202.67	2785.57	Anp32e	BG063586	NM_023210
1156	1426464_at	0.006966	310.2	673.23	Nr1d1	W13191	NM_145434
1157	1434900_at	0.006968	1014.93	1369	Mkl1	BM196656	NM_153049
1158	1447062_at	0.006974	165.2	262.3	Vps24	BG073566	NM_025783
1159	1432332_a_at	0.006976	1652.17	1811.37	Nudt19	AK008430	NM_033080
1160	1431339_a_at	0.006979	2262.07	4352.93	Efhd2	AK007560	NM_025994
1161	1451182_s_at	0.006992	320.87	410.93	C730048E16Rik	BC014743	NM_144849
1162	1422169_a_at	0.006999	362.27	597.47	Bdnf	AY057913	NM_007540

Table 10

1163	1427023_at	0.007	2767.77	4125	[illegible]
1164	1448534_at	0.007005	2261.63	2794	[illegible]
1165	1451045_at	0.007041			[illegible]
1166	1421266_s_at	0.007045			[illegible]
1167	1450471_at	0.007074	98.8	203.	[illegible]
1168	1458499_at	0.007075	375.		[illegible]
1169	1453048_at	0.007083			[illegible]
1170	1428714_at	0.007088			[illegible]
1171	1424019_at	0.007089	349.77	443.37	Noll
1172	1418889_a_at				[illegible]
1173	1426728_x_at	0.007118	664.8	884.	[illegible]
1174	1449319_at	0.007119	248.		[illegible]
1175	1415819_a_at	0.00712	8792.23	12068	[illegible]
1176	1450106_a_at	0.00			[illegible]
1177	1456641_at	0.007176	95.63	173.67	[illegible]
1178	1426646_at	0.007			[illegible]
1179	1421342_at	0.007199	136.4	255	Kcns2 NM_008436
1180	1421339_at	0.0072	400.		[illegible]
1181	1439765_x_at	0.007202	1220		[illegible]
1182	1428199_at	0.			[illegible]
1183	1416432_at	0.007212			[illegible]
1184	1418535_at	0.00			[illegible]
1185	1451256_at	0.007264	373.33	535.	[illegible]
1186	1445670_at	0.007266	148.87	209	---
1187	1428017_at	0.007267	407.67		[illegible]
1188	1452246_at	0.007282	198.		[illegible]
1189	1416392_a_at	0.007286			[illegible]
1190	1447219_at	0.007291			[illegible]
1191	1421124_at	0.007293	674.93	1300	[illegible]
1192	1443636_at	0.007293	315.2	415.	[illegible]
1193	1448541_at	0.			[illegible]
NM_001025361 /// NM_001025362 /// NM_001					
1194	1434886_at	0.007304	641.37		[illegible]
1195	1424710_a_at	0.007308			[illegible]
1196	1430375_a_at	0.007309	4400		[illegible]
1197	1423395_at	0.007317	3580.6	4837.4	[illegible]
1198	1454953_at	0.007319			[illegible]
1199	1434762_at	0.007336	435.17		[illegible]
1200	1457212_at	0.007336	474.		[illegible]
1201	1421895_at	0.007337	990.2	1347	[illegible]

Table 10

1202	1438887_a_at	0.0[illegible]	531.[illegible]		
1203	1419048_at	0.007346	388.07		
1204	1421817_at	0.007349	430	482.03	Gsr
1205	1453324_at	0.007361	540.5	675	
1206	1436665_a_at	0.007376	468		
1207	1422845_at	0.007378	2201.67		
1208	1421821_at	0.007409	[illegible]		
1209	1435712_a_at	0.00741	536[illegible]		
1210	1417014_at	0.007431	97.13		
1211	1433518_at	0.007456	207.9	314	
1212	1425082_s_at	0.007466	445.47		
1213	1451285_at	0.007467	1823.67	296[illegible]	
1214	1455012_s_at	0.007471	488[illegible]		
1215	1428190_at	0.007472	680.83		
1216	1434008_at	0.007493	166.47		
1217	1451751_at	0.007498	605		
1218	1454032_at	0.007498	177		
1219	1424847_at	0.007504	874.93		
1220	1420905_at	0.007512	269.3	380	
1221	1425111_at	0.00752	290.27	418	
1222	1452789_at	0.007529	3628.1		
1223	1416528_at	0.00756	2757.17	378[illegible]	
1224	1419439_at	0.007562	156.53		
1225	1418132_a_at	0.00758	[illegible]		
1226	1416400_at	0.007593	311.93		
1227	1440324_at	0.007602	[illegible]	255.[illegible]	Mrpl19 Trim37
1228	1434649_at	0.007605	720.57	906	
1229	1428292_at	0.007605	125.9	163.47	Ndorl AK019617 NM_178239
1230	1421563_at	0.00[illegible]	103.[illegible]	254.7	
1231	1453135_at	0.007626	270.53	355	
1232	1439892_at	0.007631	2170.9	3135.37	
1233	1434779_at	0.007641	818	1063	
1234	1456933_at	0.007653	157.2	254	
1235	1437660_at	0.007675	379.87		
1236	1435907_at	0.007676	117[illegible]	1550	
1237	1448183_a_at	0.007683	392.23		Hif1a
1238	1453398_at	0.007684	40.43	86.93	A93[illegible]
1239	1418937_at	0.007685	2376.53		
1240	1452290_at	0.007702	643		

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1241	1416011_x_at	0.0(	297.
1242	1455640 a at	0.007726	186
[illegible]	///5	[illegible]	NM_213614
1244	1457213_a_at	0.007737	845.23
1245	1423449_a_at	0.007762	124
1246	1442019_at	0.007774	385
1247	1452291_at	0.007786	2828.23
1248	1436138_at	0.007798	567.2 727.53
///4	_at	[illegible]	[illegible]
1250	1435766_at	0.007821	125.3 199
1251	1455482_at	0.007824	134
1252	1448751_at	0.007844	137
1253	1457334_at	0.007857	118
1254	1420013_s_at	0.007863	
1255	1425690_at	0.007876	204.4 367
1256	1429105_at	0.007878	3035.1
1257	1426024_a_at	0.00788	2675.47
1258	1451168_a_at	0.007882	445
1259	1426444_at	0.0(	[illegible]
1260	1431802_a_at	0.007896	
1261	1427569_a_at	0.0(	[illegible]
1262	1440971_x_at	0.007921	
1263	1448700_at	0.007931	
1264	1453746_at	0.007933	188
1265	1433703_s_at	[illegible]	
1266	1451829_a_at	0.007945	116
1267	1425248_a_at	0.007963	1817.67
1268	1435604_at	0.007969	4258.3
1269	1450749_a_at	0.007973	136
1270	1418646_at	0.007979	1136.23
1271	1453570_x_at	0.00798	
1272	1430542_a_at	0.007992	608
XM_485652 /// XM_619211			
1273	1444848_at	0.007992	228
1274	1453365_at	0.00801	292.93
1275	1458263_at	0.008053	409
1276	1425351_at	0.008064	296
1277	1452357_at	0.008075	142
1278	1417308_at	0.008084	106
1279	1425560_a_at	0.008099	

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Table 10

1280	1450683_at	0.008102	4507.6	5181
1281	1434213_x_at	0.00812	2093.4	
1282	1457178_at	0.00814		
1283	1434261_at	0.008143	819.	
1284	1433468_at	0.008155	657.	
1285	1438546_x_at			
	NM_007451 /// XM_484885 /// XM_485652 /// XM_6			
1286	1448794_s_at	0.008168	423.6	516.
1287	1440133_x_at	0.008186		
1288	1431257_at	0.008207	46.3	101.23
1289	1416087_at	0.008215	278	
1290	1427692_a_at	0.008215		
1291	1451155_at	0.008215	158.2	291.
1292	1417341_a_at	0.008241	1116.37	
1293	1425693_at	0.008241	272.23	
1294	1428132_at	0.008299	282.37	
1295	1443621_			
1296	1428620_at	0.008315	2760.83	
1297	1416406_at	0.008321	3567.67	
1298	1426581_at	0.00834	1307.03	
1299	1423221_at	0.008345	580	
1300	AFFX-BioDn-3_at	0.00		
1301	1441298_at	0.00		
1302	1425452_s_at	0.008362	825.9	
1303	1429518_at	0.008366	3707.2	
1304	1455417_at	0.008402	780.9	1243.47
1305	1421488_at	0.008435		
1306	1419157_at	0.008447	259.13	
1307	1449000_at	0.		
1308	1434096_at	0.00849	1381.17	
1309	1429147_at	0.008495	78.4	
1310	1437392_at	0.008496		
1311	1460030_at	0.		
1312	1443247_at	0.008506	114.43	191.73
1313	_at			
1314	1460554_s_at	0.00854		
1315	1423478_at	0.008544	518	
1316	1423189_at	0.008555	3769.6	
1317	1440288_at	0.008565		
1318	1428031_at	0.008572	335.	

Table 10

1319	1451820_at	0.008585	5699..6633	421.87	Dirasl	BQ042613	NM_145217
1320	1426738_at	0.008588	2440044..5533	3526.6	Dgkz	BC014860	NM_138306
1321	1415753_at	0.008605	4887722..3377	6334	D10Bwg1364e	BC005632	NM_145421
1322	1455672_s_at	0.00860 088	6523	8661.5	Cplx2	BE946238	NM_009946
1323	1423593_a_at	0.00861 111	1089	1338.77	Csflr	AK004947	NM_007779
1324	1448237_X_at	0.00861 133	8193	11216.27	Ldh2	NM_008492	NM_008492
1325	1431285_at	0.008619	1722.23	2269.	Mgml	AK011747	NM_029657
1326	1442293_at	0.00866	117.5	212.	[illegible]	BM938640	[illegible]
1327	1427739_a_at	0.00866 611	2055..29966..9933	[illegible]	Trp53	AJ297973	NM_011640
1328	1450093_S_at	0.00866 644	[illegible]	306.2	Zbtb7a	NM_010731	NM_010731
1329	14209S4_a_at	0.00866 666	1449966..55	2152.6	Addl	BF140063	NM_001024458 /// NM_013457
1330	1452666_a_at	0.00867 711	4008866..3377	[illegible]	Tmcc2	AK004359	NM_178874
1331	1442502_at	0.00868 899	238.	341	Lrchl	BB011593	XM_484393
1332	1455873_a_at	0.008692	469.	700	Vpsl8	BB313038	NMJL72269
1333	1450705_at	0.00872 211	477.13	580	Rdbp	NM_138580	NM_138580
1334	1427226_at	0.008723	1481.1	1973	Epn2	AF057286	NM 010148
1335	1427782_a_at	0.008723	353.9	507.47	Crhrl	AF369656	NMJJ07762
1336	1456620_at	0.008724	734.5	886.73	MGC79224	BS944732	NM_001004164
1337	1425202_a_at	0.008737	885.47	1072.23	Ank3	BC021657	NM_009670 /// NM_146005 /// NMJL70687 /// NMJL70688 /// NMJL70689 /// NMJ.70690 /// NMJL70728 /// NM_170729 /// NM_170730
1338	1417954_at	0.008757	4825.1	7032.43	Sst	NM_009215	NM_009215
1339	1453419_at	0.00878	3039	4014.57	2900078C09Rik	AK013800	
1340	1439463_x_at	0.008787	1647.27	2249.77	Hmgbl	LOC433238	LOC434174 /// LOC435655 /// LOC545555 /// LOC545891 /// HM_010439 /// XM_484795 /// XM_485920 /// XM_487630 /// XM_619939 /// XM_620382 /// LOC545917 LOC546331 AV127023 XM_620423 /// XM_621042
1341	1445539_at	0.008788	1407	1566.67	Pde7b	BE687857	NM_013875
1342	1450108_at	0.008795	3316.83	4395.5	Kifla	NM_008440	NM_008440
1343	1427404_X_at	0.008822	11736.3	15107.63	LOC433182	BC004017	NM_001025388
1344	1427039_at	0.008823	1968.	3478.7	Epnl	AF057285	NM_010147
1345	1416551_at	0.008825	15148.77	19108.57	Atp2a2	NM_009722	NM_009722
1346	1436327_a_at	0.008827	192.6	319.53	3100002B05Rik	BM934830	NM_026664
1347	1446950~at	0.008831	112.63	221.97	Tox	BM124834	NM_145711
1348	1452746_at	0.00884	1621.7	2373.3	Atpl3a2	BM944122	NM_029097
1349	1429259_a_at	0.008873	892	1003.53	1810014B01Rik	AW985991	XM_618793
1350	1421486_at	0.008879	126.23	325.43	Egr3	NN_018781	NM_018781
1351	1426399_at	0.00888	320.43	424.97	Vwal	BB183736	NM_147776
1352	1424225_at	0.008884	907.47	1119.4	Asb8	AF398969	NM 030121
1353	1433489_s_at	0.008888	483	775.5	Fgfr2	BG873440	NM_010207 /// NM_201601
1354	1425983_x_at	0.008898	681.37	877.8	Hipk2	AF208292	NM_010433
1355	1460385_a_at	0.008959	1251.7	1454.23	2fpl79	AB013097	NM_009548

Table 10

1356	1421280_at	0.008962	5192.6		
1357	1418149_at	0.008973	1325.23		
1358	1421965_s_at	0.009	211.37		
1359	1450005_x_at	0.009001	355.7	605.	
1360	1429820_at	0.009024	45.		
1361	1424391_at	0.009035	1381.63		
1362	1439776_at	0.009035	347.67		
1363	1416718_at	0.009043	170		
1364	1452951_at	0.009048	310.27	414.	
1365	1422901_at	0.009054	1823.47	208	
1366	1452048_at	0.00906	142		
1367	1449956_at	0.009069	2137.37		
1368	1446955_at	0.009081	74.		
1369	1458974_at	0.009102	98.67	145.7	Tox
1370	1450212_at	0.009111	357	717	
1371	1425509_at	0.009127	956		
1372	1452646_at	0.009129	3190.57		
1373	1449716_s_at	0.009133	467		
1374	1424132_at	0.009161	745.8	131	
1375	1426057_a_at	0.009165	62.5	111	
1376	1449370_at	0.009192	319.57	498	
1377	1421071_at	0.00921	487		
1378	1424578_at	0.009215	728.13		
1379	1417293_at	0.009217	699	890.93	
1380	1428430_at	0.009221	457.3	685.5	Rgmb
1381	1416739_a_at	0.009245	193.		
1382	1450380_at	0.009258	2547.27		
1383	1440152_x_at	0.009274	[illegible]		
1384	1448366_at	0.009278	7329.87		
1385	1427059_at	0.009297	425.67	605.53	4732495E13Rik BB367207 NM_172608
1386	1426963_at	0.0093	[illegible]		
1387	1430784_a_at	0.009319	71.		
1388	1455689_at	0.009322	[illegible]		
1389	1435897_at	0.009345	6480.53		
1390	1437740_at	0.00935	586.13		
1391	1433607_at	0.00935	[illegible]		
1392	1426225_at	0.009359	890.47		
1393	1449074_at	0.009374	170.9	254.	
1394	1460343_at	0.009378	264	3525.5	Neurl

Table 10

1395	1415840_at	0.00939	2918.67				
1396	1421606_a_at	0.0					
1397	1420878_a_at						
1398	1435527_at						
1399	1417752_at	0.00944	243.93	366.4	Corolc	NM_011779	NM_011779
1402	1459702_at	0.009494	67.67	121			
1403	1443170_at	0.009512	140				
1404	1450779_at	0.009523	1369.6	2389.17			
1405	1417890_at	0.009524	5738.57	712			
1406	1420864_at	0.009556	175.37				
1407	[illegible]						
1408	1444396_at	0.009567	88.				
1409	1446793_at	0.009587	71.				
1410	1419250_a_at	0.00959	101				
1411	1429265_a_at	0.009608					
1412	1433443_a_at	0.009614					
1413	AFFX-BioC-3_at	0.009618	1755.4				
1414	1423862_at	0.0					
1415	1423087_a_at	0.009638	403				
1416	1448891_at	0.009674	241.6	260.07			
1417	1416439_at	0.009687					
1418	1425929_a_at	0.0097					
1419	1425201_a_at	0.009726					
1420	1426329_s_at	0.009731	856.97	1094.97			
1421	1433444_at	0.009766	3531.1				
1422	1426327_s_at	0.009795					
1423	1424736_at	0.009813	921				
1424	1428718_at	0.009817	1377.2				
1425	1450255_at	0.009858	59.73	115			
1426	1436077_a_at	0.009871	608.27				
1427	1426579_at	0.009873	744.23	1038.93	Gnl2		
1428	1435942_at	0					NM_201601
NM_001006669 /// NM_001006674 /// NM_00							
NM_001006680 /// NM_010611							
1429	1425851_a_at	0.009915	196.				
1430	1452712_at	0.009917	288				
1431	1425563_s_at	0.0					
1432	1455207_at	0.009928	490				

Table 10

1433	1454784_at	0.009943	1094.47	1584.4	Hs3st2	AV340742	XM_112440
1434	1449474_a_at	0.009951	2340.87	3213.33	Nelf	NM_020276	NM_020276
1435	1421097_at	0.009968	528.43	697.73	Endog	NM_007931	NM_007931

Table 11

%Monocular deprivation (4 days) plus IGF
%Upregulated in short term MD+IGF
%Significance criterion = 0.01
%

%i	affyid	p					
1	AFFX-18SRNAMur/X00686_M_at	[illegible]					
	NM_008550 /// NM_133779 /// XM_484522 /						
2	AFFX-18SRNAMur/X00686_3_at	0.000103	1885	[illegible]	LOC385068		
3	1449490_at	0.000002	589	334.43	Mbd4	C80158	[illegible]
4	1419442_at	0.000003	714	340.[illegible]	Mat[illegible]	BC0054[illegible]	[illegible]
5	1436824_x_at	0.000003	212[illegible]	1704	LOC545[illegible]	BB079486	NM_023598
6	1428434_at	0.000007	[illegible]	[illegible]	[illegible]	BM117463	NM_175514
7	1435767_at	0.000013	252[illegible]	1801	Scn3b	AF3 67244	NM_026079
8	1438167_x_at	0.000013	101[illegible]	639.[illegible]	Fl	AK013508	NM_173369
9	1423848_at	0.000014	682.67	440.9	Mpho[illegible]	BC008161	AI462015
10	1449303_at	0.000014	258[illegible]	1806	[illegible]	NM_030[illegible]	NM_008517
11	1455128_x_at	0	[illegible]	562.[illegible]	[illegible]	BG920261	NM_019666
12	1438971_x_at	0.000017	2494.07	1637	Ube2h	BB447627	BM115577
13	1455145_at	0.000018	156[illegible]	933.[illegible]	Ube2h	BB447627	NM_009459
14	1422768_at	0.000021	823	[illegible]	[illegible]	BG342407	XM_486002
15	1434790_a_at	0.000021	148[illegible]	1061	[illegible]	NM_030261	[illegible]
16	1420088_at	0.000022	3729.17	[illegible]	[illegible]	BC008161	NM_026758
17	1429201_at	0.000023	127[illegible]	991.[illegible]	Cyld	AV269574	NM_146018
18	1436678_at	0.000023	542.73	371.33	---	AI844814	---
19	1451254_at	0.00002[illegible]	[illegible]	[illegible]	Scn3b	BE951842	NM_153522 /// NM_178227
20	1436350_at	0.000029	200[illegible]	1387	Zcchc12	AK012833	NM_028325
21	1434283_at	0.000035	[illegible]	[illegible]	Ari[illegible]	BB238427	XM_620331
22	1433488_x_at	0.000037	254[illegible]	1755	Matn2	BC005429	NM_016762
23	1449738_s_at	0.000042	479	[illegible]	Mbd4	AF072249	NM_010774
24	1439616_a[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	AFFX-18SRNAMur/X00686	[illegible]
25	1460577_at	0.000043	1292.13	839.8	Jmy	BQ031479	[illegible]
2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Pigt	D230007K08Rik	AFFX-18SRNAMur/X00686_M
27	1417718_at	0.000047	3358.17	2982.53	Eif3s[illegible]	BC[illegible]	NM_016876
28	1449353_at	0.000049	2366.27	1940.57	Wig1	NM_009517	NM_009517
29	1419639_at	0.000054	1884.9	1177.43	Efnb2	U30244	NM_010111
30	1434141_at	0.000055	3795.33	2652.6	Gucy1a3	BG072799	NM_02189[illegible]
31	1424586_at	0.000057	1596.4	1277.97	Ehbp1	AF42[illegible]	[illegible]
32	1455633_at	0.000059	464.6	338.9	Zfp647	BB040500	NM_172817

Table 11

33	1455398_at	0.000062	113[illegible]	[illegible]	[illegible]
34	1448434_at	0.000071	195[illegible]	[illegible]	[illegible]
35	1423666_s_at	0.000072	[illegible]	[illegible]	[illegible]
XM_620340					
36	1448208_at	0.000073	104[illegible]	[illegible]	[illegible]
37	1452974_at	0.000075	375[illegible]	[illegible]	[illegible]
38	1435749_at	0.[illegible]	[illegible]	[illegible]	[illegible]
39	1436051_at	0.000081	4879.7	[illegible]	[illegible]
40	1429178_at	0.000082	274[illegible]	[illegible]	[illegible]
41	1460545_at	0.000083	1746.13	1324.2	[illegible]
42	1424223_at	0.000091	2896	225[illegible]	[illegible]
43	1433593_at	0.000093	[illegible]	[illegible]	[illegible]
44	1420127_s_at	0.0[illegible]	[illegible]	[illegible]	[illegible]
45	1434539_at	0.000093	2056.93	1453.83	[illegible]
46	1448788_at	0.0001	2844.53	[illegible]	[illegible]
47	1451145_s_at	0.000104	[illegible]	[illegible]	[illegible]
48	1441224_at	0.000117	112[illegible]	[illegible]	[illegible]
49	1417719_at	0.000119	[illegible]	[illegible]	[illegible]
50	1448708_at	0.000124	908	[illegible]	[illegible]
51	1437436_s_at	0.0[illegible]	[illegible]	[illegible]	[illegible]
52	1435025_at	0.000125	163[illegible]	[illegible]	[illegible]
53	1451113_a_at	[illegible]	[illegible]	[illegible]	[illegible]
54	1435464_at	0.000129	2111.2	[illegible]	[illegible]
55	1426852_x_at	0.000132	6493.57	3603[illegible]	[illegible]
56	1439464_s_at	[illegible]	[illegible]	[illegible]	[illegible]
57	1417702_a_at	0.000133	118[illegible]	[illegible]	[illegible]
58	1441640_at	0.000138	129.03	[illegible]	[illegible]
59	1436935_x_at	0.000141	[illegible]	[illegible]	[illegible]
60	1447788_s_at	0.000142	209[illegible]	[illegible]	[illegible]
61	1455665_at	0.000145	160[illegible]	[illegible]	[illegible]
62	1440084_at	0.000146	635	[illegible]	[illegible]
63	1441937_s_at	0.000146	535[illegible]	[illegible]	[illegible]
64	1417984_at	0.000149	959 93	[illegible]	[illegible]
65	1452908_at	0.000151	1927.87	[illegible]	[illegible]
66	1434003_a_at	0.000152	737.27	[illegible]	[illegible]
67	1438000_x_at	0.000154	371[illegible]	[illegible]	[illegible]
68	1450928 at	0.000156	1882.63	1051.43	Id4 BB121406 NM_031166
70	1451998_at	0.000159	492[illegible]	[illegible]	[illegible]
71	1436833_x_at	0.00017	[illegible]	[illegible]	[illegible]

Table 11

72	1423144_at	0.000171	636.17	488.77	Pik3ca	AI528567	NM_008839
73	1416041_at	0.000175	5184.03	2560.33	Sgk	NM_011361	NM_011361
74	1454752_at	0.000177	848.77	566.4	AI606861	AV307961	---
75	1418304_at	0.000178	242 27	87.67	Pcdh21	NM_130878	NM_130878
76	1428287_at	0.000179	821.47	622	Cul5	BB702110	NM_027807
77	1439768_x_at	0.00018	1056.77	780.4	Sema4f	BB271145	NM_011350
78	1434429_at	0.000181	2973.37	1548.9	Syt16	AV348245	NM_172804
79	1434688_x_at	0.000183	1614.03	1390.43	Drg1	BM506525	NM_007879
80	1417948_s_at	0.000184	1147.2	849.43	Ilf2	NM_026374	NM_026374
81	1448863_a_at	0.000185	946.87	667.33	Tnfaip1	AK004593	NM_009395
82	1458802_at	0.000185	1945.77	1280.2	Hivep3	BB164127	NM_010657
83	1437466_at	0.00019	2848.57	2098.13	Alcam	AV315205	NM_009655
84	1456464_x_at	0.000191	5931.73	3449.87	Syt11	BB129990	NM_018804
85	1435203_at	0.000193	2022.33	1539.97	Man2a2	BB794673	NM_172903
86	1415948_at	0.000196	837.33	576	Creg1	BC027426	NM_011804
87	1454782_at	0.000196	3274.63	2520.9	Bai3	BE979636	NM_175642
88	1423159_at	0.000197	2225.27	1826.23	Dld	AI647805	NM_007861
89	1423069_at	0.0002	5457.9	4690.5	Adnp	AK004270	XM_619846
90	1444615_x_at	0.0002	746.93	411.8	Cbfa2t1h	AV327778	NM_009822
91	1454809_at	0.000203	2435.4	1664.47	Ncoa7	BE686893	NM_172495
92	1435818_at	0.000206	515.2	352.63	---	BB357312	---
93	1436407_at	0.000208	866.83	680.9	9430069J07Rik	BB099635	NM_213727
94	1417508_at	0.000211	1592.73	1209.73	Rnf19	AF120206	NM_013923
95	1451310_a_at	0.000217	6312.07	4589.7	Ctsl	J02583	NM_009984
96	1418330_at	0.000219	1588.83	1199.97	Ctcf	BB836888	NM_007794 /// NM_181322
97	1418505_at	0.000225	5713.2	5031.1	Nudt4	NM_027722	NM_027722
98	1434565_at	0.000227	796.53	609.43	Cgrrf1	AV305616	NM_026832
99	1455584_at	0.000227	2318.2	1605.57	Sdf4	BG064675	NM_011341
100	1434581_at	0.000232	1874.33	1359.7	---	BB167663	---
101	1417960_at	0.000233	622.97	513.93	Cpeb1	NM_007755	NM_007755
102	1429615_at	0.000234	3273.67	2852.7	Zfp91	AI430439	---
103	1423817_s_at	0.000235	2367.07	1736.67	2010315L10Rik	AF353245	NM_025917 /// NM_029768
104	1454699_at	0.000235	1659.67	1030.33	Sesn1	BG076140	NM_001013370
105	1434260_at	0.000237	910	731.07	Fchsd2	BB461848	NM_199012
106	1422624_at	0.000243	558.43	417.67	Rev1l	NM_019570	NM_019570
107	1429167_at	0.000244	482.4	304.17	8430438M01Rik	BM221159	XM_140320
108	1416709_a_at	0.000247	1157.4	964.93	Ngrn	NM_031375	NM_031375
109	1436390_a_at	0.000248	512.9	311.87	Clcc1	BI412445	NM_145543
110	1427167_at	0.000249	1499.83	1167.83	AI443196	BE865094	XM_621091
111	1421048_a_at	0.00025	1080.13	844.5	Ypel1	NM_023249	NM_023249

Table 11

112	1424642_at	0.000252	886.03	655.57	Thoc1	BC024951	NM_153552
113	1425999_at	0.000259	2352.73	1943	2700069A02Rik	BM198542	
114	1438320_s_at	0.00026	559.2	414.37	Mcm7	BB464359	NM_008568
115	1458112_at	0.000266	751	583.7	Adarb2	BB527550	NM_052977
116	1438211_s_at	0.000268	3606.23	1988.83	Dbp	BB550183	NM_016974
117	1423687_a_at	0.00027	1641.57	1136.6	Man2c1	BC016253	NM_028636
118	1454969_at	0.000271	1119.57	687.45	E130115E03Rik	AW299725	NM_177139
119	1433668_at	0.000274	2805.6	2105.53	Pnrc1	BI410130	XM_131355
120	1428715_at	0.000277	1633.77	1294.97	2810423A18Rik	AK013141	
121	1434766_at	0.000279	1324.03	937.6	Prkaa2	BQ175911	NM_178143
122	1440545_at	0.00028	847.93	419.63	[illegible]	BQ176278	
123	1438610_a_at	0.000282	414.6	330.63	Cryz	BB793369	NM_009968
124	1438654_x_at	0.000286	2388.9	1846.03	Mmd2	AV269411	XM_175217
125	1422880_at	0.000287	1919.6	1360.13	Sypl	BE333485	NM_013635
126	1449616_s_at	0.000293	773.27	528.43	Golga3	AW490576	NM_008146
127	1451131_at	0.000297	3693.63	2544	Arl6ip1	AF133669	NM_019419
128	1452159_at	0.000298	1939.77	1349.39	2310001A20Rik	AJ310638	NM_027977
129	1422607_at	0.000299	1533.17	1019.2	Etv1	NM_007960	NM_007960
130	1416131_s_at	0.000311	2080.03	1344.77	C920006C10Rik	BB188557	NM_133766
131	1424683_at	0.000314	2515.1	1967.27	1810015C04Rik	BC019494	
132	1417515_at	0.000315	547.87	425.93	Lsm10	NM_138721	NM_138721
133	1428529_at	0.000322	481.13	298.9	2810026P18Rik	AK012825	
134	1434558_at	0.000323	3308.33	2922.43	Wdr47	BG075633	NM_181400
135	1435416_x_at	0.000324	3209.1	2557.93	Pigg	BB393168	NM_011822
136	1437527_x_at	0.000328	2464.4	1663.63	Mcl1	AV318494	NM_008562
137	1429022_at	0.000331	1646	1210.77	Adcyap1r1	AK013587	NM_001025372 /// NM_007407
138	1445202_at	0.000343	2231.23	1787.17	[illegible]	BB526676	
139	1415499_a_at	0.000345	3038.53	1527	Dctn6	NM_011722	NM_011722
140	1423791_at	0.000346	1964.57	1608.23	Ik	BC014739	NM_011879
141	1436424_at	0.000346	522.3	348.4	1600020E01Rik	BG070208	XM_489143
142	1440359_at	0.000347	293.77	233.07	1700012H17Rik	BB427277	NM_173426
143	1428684_at	0.000357	350.27	278.43	[illegible]	BG065846	
144	1455089_at	0.000364	1581.97	1264.7	Gngl2	AW228775	NM_025278
145	1429940_at	0.000365	878.5	609.53	Cdc73	BM935271	NM_145991
146	1426380_at	0.000366	4067.9	2841.3	Eif4b	AW741459	NM_145625
147	1420870_at	0.000369	715.77	493.97	Mllt10	BB353133	NM_010804
148	1424634_at	0.00037	1986.83	1518.17	Tceal1	BC011290	NM_146236
149	1424200_s_at	0.000371	1631.43	1300.7	Sehl1	AW537349	NM_028112
150	1443790_x_at	0.000377	700.7	436.32	4930414L22Rik	AV208084	NM_001008506 /// NM_029334
151	1426877_a_at	0.000378	1685.7	1041.4	2610016F04Rik	AK020971	

Table 11

Table 11

152	1424588_at	0.000384	4031.37
153	1418401_a_at	0.000385	464.
154	1436624_at	0.000388	4076.13
155	1434735_at	0.00039	2961
156	1417424_at	0.00	
157	1450642_at	0.000395	3560.83
158	1429002_at	0.000398	
159			
160	1440822_x_at	0.0004	
161	1434676_at	0.000401	2282.97
162	1455389_s_at		
163	1427192_a_at	0.000413	894.43
164	1452716_at	0.00(	
165	1455409_at	0.000416	2354
166	1450712_at	0.000428	
167	1451076_s_at	0.000436	
168	1454785_at	0.000438	998.
169	1456509_at	0.000444	1011
170	1448909_a_at	0.000451	
171	1423831_at	0.000452	722.47
172	1434087_at	0.00046	418.
173	1434462_at	0.000466	
174	1434674_at	0.000471	1096.1
175	1424674_at	0.000473	1902
176	1448405_a_at	0.000473	
177	1439244_a_at	0.000474	1480
178	1422486_a_at		
179	1428377_at	0.00048	
180	1435478_at	0.000481	2321.03
181	1450376_at	0.000483	3430
182	1434890_at	0.000489	5455.4
183	1424677_at	0.00049	482.
184	1452155_a_at	0.000491	5565
185	1447277_s_at	0.000491	6468
186	1455165_at	0.000492	
187	1434011_a_at	0.000499	2315
188	1435821_s_at	0.000503	853.
189	1440953_at	0.000507	108.1
190	1448400_a_at		
191	1448526_at	0.	

Table 11

192	1429129_at	0.000515	309.37	215.63	Lrrcc1	AK004646	NM_028915
193	1422886_a_at	0.000516	1024.87	713.63	Clk4	NM_007714	NM_007714
194	1440215_at	0.000516	634.3	482.23	C130086A10	BG068916	NM_173746
195	1434645_at	0.000518	992.63	737.97	C530008M17Rik	BB493717	XM_287460
196	1437524_x_at	0.000518	1834.37	1542.43	Ccro7	BB534801	NM_030205
197	1460038_at	0.000523	1030.87	779.97	Pou3f1	BG065255	NM_011141
198	1423956_at	0.00053	3405.57	2870.1	Smap1	BC006946	NM_028534
199	1440880_at	0.000534	759.57	593.4	Mppe1	BI648107	NM_172630
200	1433767_at	0.000539	2302.77	2031.3	1110018G07Rik	AV257687	NM_178065
201	1448972_at	0.000547	3176.4	2474.6	Gria1	NM_008165	NM_008165
202	1419406_a_at	0.000548	3189.1	2125.13	Bcl11a	NM_016707	NM_016707
203	1428656_at	0.00055	1432.07	1175.23	Rnasen	BG072418	NM_026799
204	1455437_at	0.000551	2510.8	1683.37	BC033915	AV369969	NM_027498
205	1428219_at	0.000553	2788.97	2098	Rybp	AK010548	NM_019743
206	1435028_at	0.000558	5995.1	4535.8	Wdr7	BB795506	XM_140391
207	1455047_at	0.000562	1459.23	1110.8	Fbxo3	AV024918	NM_020593 /// NM_212433
208	1434521_at	0.000568	1055.43	800.23	Rfxdc2	BB148972	---
209	1440825_s_at	0.000572	946.4	530.27	Ccdc28a	AV100366	NM_144820
210	1459838_s_at	0.000584	1140.27	798.47	Btbd11	BB230894	NM_001017525 /// NM_028709
211	1423819_s_at	0.000587	6112.67	4225.67	Arl6ip1	AF133669	NM_019419
212	1418594_a_at	0.000589	3384.43	2614.67	Ncoa1	NM_010881	NM_010881
213	1434692_at	0.00059	779.57	480.27	1110034B05Rik	AW544518	XM_283610
214	1426851_a_at	0.000596	6019.07	3069.07	Nov	X96585	NM_010930
215	1456377_x_at	0.000596	3040.1	2123.77	0610025L06Rik	AV010467	NM_172397
216	1424824_at	0.000597	915.13	710.9	9630044O09Rik	BB704967	NM_198014
217	1448111_at	0.000611	803.1	621.5	Ctps2	NM_018737	NM_018737
218	1426628_at	0.000617	4269.33	3300.73	Tmem34	BB431503	NM_145599
219	1451669_at	0.000624	5742.4	4506	Ppm1b	AJ271836	NM_011151
220	1425484_at	0.000625	623.4	320.07	Tox	BB547854	NM_145711
221	1452734_at	0.000625	2474.53	2039.03	Rnaset2	BI410170	NM_026611
222	1419668_at	0.000628	1591.57	1141.97	Sgcb	AK014381	NM_011890
223	1422695_at	0.000628	4048.8	3097.07	Ttyh1 Taf1	NM_021324	NM_001001454 /// NM_021324 /// XM_194622
224	1452945_at	0.000629	665.9	575.53	2610020C11Rik	AK011480	NM_028130
225	1422638_s_at	0.000634	652.73	365.27	Rassf5	NM_018750	NM_018750
226	1451499_at	0.000636	4427.7	3684.33	Cadps2	AF000969	NM_153163
227	1429723_at	0.00064	2637.57	2254.6	6330409N04Rik	AK018153	NM_025697
228	1454687_at	0.000642	2058.33	1533.67	Lrfn5	BB371739	NM_178714
229	1418183_a_at	0.000644	1897.73	1423.33	Pscd1	BB013464	NM_011180
230	1426925_at	0.000646	302.03	197.7	Mnab	AA709668	XM_130233
231	1415841_at	0.000648	2858.1	2237.73	Dncic2	NM_010064	NM_010064

Table 11

232	1439117_at	0.000651	598.7	406.1	Clmn	AU067755	NM_053155
233	1448702_at	0.000652	1963.47	1603.33	Ier3ip1	BE287896	NM_025409
234	1443960_at	0.000652	1337.8	1127.1		BQ175377	
235	1417848_at	0.000657	1429.6	1222.07	MGI:2180715	AW413620	NM_133218
236	1436941_at	0.000668	476.03	365.7	Gml752	BB626288	XM_358860
237	1428570_at	0.00067	450.93	383.2	Ccnc	AK009615	NM_016746
238	1436027_at	0.00067	536.97	431.17	Osbpl11	BM220135	NM_176840
239	1456393_at	0.000671	4448.83	3082.57	2310002J21Rik	AI642124	
240	1421840_at	0.000675	2220.1	1076.23	Abca1	BB144704	NM_013454
241	1452870_at	0.000688	379.57	183.33	Apaf1	AK018076	NM_009684
242	1447894_x_at	0.000692	768.23	506.87	Vps52	BB429200	NM_172620
243	1426961_at	0.000695	1932.47	1378.43	Phf20	BB308157	XM_133187
244	1455507_s_at	0.000696	1163.57	800.63	D8Ertd587e	BM223036	
245	1434389_at	0.000702	1064.67	937.17		BQ176656	
246	1455161_at	0.000704	1949.7	1390.83	AI504432	BB202185	NM_173787
247	1438295_at	0.000706	335.07	159.23	Glcci1	BM247146	NM_133236
248	1434704_at	0.000707	2733.43	2456.23		BB529352	
249	1434392_at	0.00071	2948.43	2277.73	Usp34	BM235696	XM_483996
250	1417182_at	0.000711	1057.4	868.7	Dnaja2	C77509	NM_019794
251	1455729_at	0.000715	3542.17	2947	Gnaq	AV154513	NM_008139
252	1427923_at	0.000719	1359.2	996.57	Zmpste24	BM233793	NM_172700
253	1436135_at	0.00072	702.27	463.8	Nlgn3	AV345687	NM_172932
254	1449123_at	0.000722	456.7	306.4	Itih3	NM_008407	NM_008407
255	1437163_x_at	0.000724	634.97	417.5	Gtf2h4	BB168668	NM_010354
256	1429047_at	0.000727	1618.4	1182.53	Rtf1	AW120535	XM_283757
257	1452937_s_at	0.000728	745.67	501.5	Ccdc28b	BQ031123	NM_025455
258	1453473_a_at	0.000732	2988.8	2273.17	Tctex1	BG094946	NM_009342
259	1451222_at	0.00074	2232.33	1707.53	Btf3l4	AK011367	NM_027453
260	1435266_at	0.000743	2112.5	1417.03	9330112M16	BB495464	
261	1418942_at	0.000747	888.17	647.27	Ccdc2	NM_026319	NM_026319
262	1424394_at	0.000749	2090.63	1826.83	MGI:2149786	AY043488	NM_053267
263	1441258_at	0.000749	150.2	85.13	AF529169	BB316516	NM_153509
264	1454805_at	0.000753	1554.4	1310.67	Wtap	AV141160	NM_175394
265	1439107_a_at	0.000755	1819.93	1125.7	ML15	BF021054	
266	1456056_a_at	0.000762	3367.57	2678	D6Wsu116e	AV338866	NM_026585
267	1415855_at	0.000766	2622.77	1450.07	Kitl	BB815530	NM_013598
268	1451984_at	0.000772	2246.53	1858.53	Hnrpul1	BC021506	NM_144922 /// NM_178089
269	1439271_x_at	0.000774	3022.3	2103	Ik	AV255179	NM_011879
270	1433501_at	0.000777	1322.27	1107.67	Ctso	BG230336	NM_177662
271	1435021_at	0.000779	8109.13	6898.07	Gabrb3	BQ175666	NM_008071

Table 11

Table 11

272	1423073_at	0.000787	5702.77	4814.03	Cmpk	AV337847	NM_009543
273	1428561_at	0.00079	3031.93	2507.83	2610002J23Rik	BB667784	XM_485005
274	1433564_at	0.000798	1279.73	1087.97	Dgkd	BB028100	XM_142154
275	1437556_at	0.000798	127.8	75.8	Zfhx4	BF147593	NM_172416
276	1423671_at	0.000804	4114.97	2847.17	Dner	BB540721	NM_173038
277	1448527_at	0.000808	2854.1	2276.23	Pdcd10	AV033641	NM_144846
278	1438976_x_at	0.000809	1098.7	617.37	Dhx30	BB105391	NM_133347
279	1451019_at	0.00081	1202.3	706.83	[illegible]	AW495307	NM_019861
280	1415981_at	0.000812	2042.03	1535.87	[illegible]	[illegible]	NM_133825
281	1449628_s_at	0.000817	4318.7	3316.67	1110064P04Rik	BM120737	NM_172331
282	1424670_s_at	0.000826	1801.1	1634.07	Nphp1	BC019521	NM_016902
283	1451264_at	0.000828	1144.83	657.83	Frmd6	BM230342	NM_028127
284	1424604_s_at	0.000836	376.2	240.27	Rdh14	[illegible]	NM_023697
285	1436441_at	0.000839	387.17	202.37	Nripl	BB764550	NM_173440
286	1443779_s_at	0.000842	777.1	614.1	Tns1	AI315031	XM_109986
287	1423236_at	0.000847	1152.9	808.97	Galnt6	BG067269	[illegible]
288	1415929_at	0.000849	8381.6	7391.57	Map1lc3b	AK012546	XM_356361
289	1454673_at	0.00085	709.77	555.6	Elavl2	BB105998	NM_207685
290	1440148_at	0.00085	299.53	147.17	Ifit3	BM245961	NM_010501
291	1427432_a_at	0.000852	2962.83	2130.33	Sfrs10	BM238387	NM_009186
292	1435529_at	0.000853	328.27	260.23	Gpr6	AI852874	NM_199058
293	1421882_a_at	0.000858	5642.07	4696.43	Wasf2	BM207372	NM_153423
294	1428930_at	0.00086	566.07	342.7	6330540D07Rik	AU080586	NM_026160
295	1455334_at	0.00086	626.3	398.83	[illegible]	BM217066	NM_013814
296	1455333_at	0.00087	1091.53	[illegible]	A630025C20Rik	BB239253	NM_172154
297	1434384_at	0.000873	2068.47	1490.33	[illegible]	AV230309	NM_145440
298	1417438_at	0.000875	1397.5	1226.13	Sumf1	BC026981	NM_145937
299	1417707_at	0.000876	1103.97	657.83	[illegible]	BC019939	NM_028127
300	1416919_a_at	0.000882	725.23	449.97	Zfyve21	BC019521	NM_026752
301	1435160_at	0.000882	725.23	443.47	Stard7	AI852671	NM_139308
302	1417471_s_at	0.000883	2568	[illegible]	5031400M07Rik	AV258950	NM_020588
303	1440910_at	0.000883	1773.77	1335.23	[illegible]	AK017474	NM_019861
304	1438969_x_at	0.000886	2375.27	1722.57	Mat2a	BB272730	NM_145569
305	1436088_at	0.000886	2904.63	2362.03	0910001A06Rik	AV094856	NMJD19745
306	1454930_at	0.000888	969.2	855.9	Lrrc35	AF370126	NM_152915
307	1428334_at	0.000893	2398.97	1844	Ostm1	AK004546	NM_030708
308	1434073_at	0.000893	2866.23	2315.1	Gprasp2	BB094429	XM_484893
309	1460455_at	0.000895	3447.3	2390.4	[illegible]	AK011292	[illegible]
310	1443830_x_at	0.000896	1568.83	1017.53	Rnf103	BI157572	NM_025647

Table 11

Table 11

311	1435698_at	0.000903	2995.03	5832.77	4921505C17Rik	BQ176694	NM_030168
312	1421750_a_at	0.000905	4007.67	2908.57	Vbpl	MMJ311692	NM_011692
313	1435968_at	0.000906	7180	6085.2	[illegible]	BI794694	[illegible]
314	1452332_at	0.000907	1012.2	646.27	E030025D05Rik	AW060797	NMJ.81577
315	1424283_at	0.000908	2818.37	1922.03	Jtb	BC008139	NM_206924
316	1448397_at	0.000914	2191.33	1404.03	Gjb6	BC016507	NM_001010937 /// NM_008128
317	1427640_a_at	0.000922	[illegible]	[illegible]	Cbfa2tlh	X79989	NM_009822
318	1424872_at	0.000924	2763.13	597.87	2310001H12Rik	BC012405	XM2620240
319	1438018_at	0.000925	2196.23	1661.17	HOOkI	BB463518	NM_030014
320	1435694_at	0.000927	1690.9	1117.27	Arhgap26	BB127065	NMJ.75164
321	1434620_s_at	0.000934	1801.57	1296	2610024E20Rik	AV113735	NM_146084
322	1434313_at	0.000934	534.3	265.27	6330407D12Rik	BB762434	NM 175098
323	1426345_at	0.000939	10826.4	9895.83	Prepl	BB005298	NM_145984
324	1421088_at	0.00094	326.87	171.97	Gpc4	BC006622	NM_008150
325	1435991_at	0.000941	557.93	367.37	Nr3c2	BQ174990	XM_356093
326	1448368_at	0.000947	1834.03	1553.23	Dctn6	NM_011722	NM_011722
327	1425914_a_at	0.00095	2076.07	1771.8	[illegible]	BC021410	NM_030066
328	1422725_at	0.000952	170.73	96.63	Mak	BG069426	NM_008547
323	1435187_at	0.000957	3977.43	2918.3	Tomtn20	BG064946	NM_024214
330	1418025_at	0.000958	2443.47	1151.63	Bhlhb2	NM_011498	NM_011498
331	1423374_at	0.00096	1552.53	1246.63	Ncoa6	BF224891	NM_019825
332	1441178_at	0.000963	102.77	65.1	Dtwd2	BB818617	XM_3S5059
333	1456243_x_at	0.000972	2017.83	1328.7	McIl	BB374534	NM_008562
334	1435805_at	0.000974	4433.97	3240.27	Lin7a	AV287586	XM_193582
335	1415708_at	0.000975	2203.23	1843.07	AI316828	D50523	NR_002321 /// NR_002322
336	1416267_at	0.000981	2849.7	2002	SCOC	NM_019708	NM_019708
337	1457252_x_at	0.000982	298.23	192.4	Pld2	BB118582	NM_008876
338	1438941_x_at	0.000988	1213.23	939.93	Ampd2	AV330806	NM_028779
339	1415915_at	0.000989	3390.27	3013.1	DdXl	NM_134040	NM_134040
340	1448993_at	0.000996	3530.07	3039.53	Atg3	BC010809	NM_026402
341	1421756_a_at	0.000998	1016.8	731.93	Gprl9	NM_008157	NM_008157
342	1457302_at	0.000998	159.73	103.97	Slc20a2	BG144370	NM_011394
343	1452664_a_at	0.001002	967.93	724.93	Tm7sf3	AK010720	NM_026281
344	1459853_x_at	0.001005	576.67	421.8	BC031781	AV312901	NM_145943
345	1417857_at	0.001012	441	296.47	Mmaa	NM_133823	NM_133823
346	1426905_a_at	0.001013	1884.43	1356.53	DnajclO	AV114239	NM_024181
347	1435343_at	0.001018	564.	460.97	DocklO	BF715043	XM_129913
348	1416408_at	0.001027	2450.27	1967.43	Acoxl	AB034914	NM 015729
349	1426884_at	0.001027	3343.77	2819.87	1110007A06Rik	BG795169	NM_024288

Table 11

Table 11

350	1449023_a_at	0.001028	[illegible]	[illegible]
351	1452765_at	0.00103	[illegible]	[illegible]
352	1448595_a_at	0.001036	[illegible]	[illegible]
353	1451989_a_at	0.0[illegible]	[illegible]	[illegible]
354	1433855_at	0.001045	3584.73	[illegible]
355	1426775_s_at	0.001046	[illegible]	[illegible]
356	1456795_at	0.001046	363.[illegible]	[illegible]
357	1429220_at	0.001047	546.4	392.[illegible]
358	1449001_at	[illegible]	[illegible]	[illegible]
359	1440153_at	0.001059	170[illegible]	[illegible]
360	1417535_at	0.001064	1974.57	[illegible]
361	1434877_at	0.001[illegible]	[illegible]	[illegible]
362	1417409_at	0.001072	1327.4	[illegible]
363	1460558_at	0.001072	[illegible]	[illegible]
364	1427185_at	0.001079	2937.13	[illegible]
365	1452896_at	0.001081	[illegible]	[illegible]
366	1449583_at	0.[illegible]	[illegible]	[illegible]
367	1436422_at	0.001085	577.[illegible]	[illegible]
368	1457568_at	0.001086	1943	[illegible]
369	1455244_at	0.001089	1549	[illegible]
370	1418116_at	0.001093	1165.57	[illegible]
371	1436200_at	0.001093	723.07	463.2[illegible]
372	1449197_at	0.001095	465.7	305.37
373	1434875_a_at	0.001098	[illegible]	[illegible]
374	1433552_a_at	0.001116	2792	[illegible]
375	1455521_at	0.001117	1154.8	[illegible]
376	1452189_at	0.001119	3686.07	[illegible]
377	1438531_at	0.001119	322.73	[illegible]
378	1433924_at	0.00112	5262.67	[illegible]
379	1426827_at	0.001121	1367	[illegible]
380	1435630_s_at	0.001124	2210	[illegible]
381	1422798_at	0.001126	1184.73	1011.5
382	1422692_at	0.001128	3390	[illegible]
383	1417369_at	0.001141	1271.23	1033.[illegible]
384	1420376_a_at	0.0[illegible]	[illegible]	[illegible]
385	1452975_at	0.001142	305.13	60.3
386	1423335_at	0.001149	[illegible]	[illegible]
387	1418030_at	0.001154	361.	[illegible]
388	1418883_a_at	0.001156	6385.1	[illegible]
389	1451190_a_at	0.001161	1450.03	[illegible]

Table 11

390	1454609_x_at	0.00	116.	46.	430527	B 8	36
391	1448765_at	0.00117	1614	299.	yn M_008	M_0080	
392	1416046_a_at	0.001174				M_0257	
393	1424189_at	0.001178	640.	55.7	k	78	
394	1435524_at	0.001178	2570.53		V0306		
395	1424697_at	0.001187				181	
396	1456480_at	0.001187	2233	1862	3301	B52 8	39 9913
397	1440413_at	0.001189	327.		F12Ri	B8005	M_1771
398	1424413_at	0.001193	2660	032	gfrl1	E65050	M_1298
399	1433702_at	0.001196	1489	118.	19Wsu1	I66363	M_358
400	1426924_at	0.001198	4858.43	3	8	33	
401	1433969_at	0.001199	594.	49.0	4	A 4	
402	1423641_s_at	0.001201			not7	1	35
403	1424466_at	0.001206	1297	120	po9	2	X 42
404	1428154_s_at	0.00	18.1	02.73	papdc	K0075	M_13
405	14		107	000		0	
406	1438413_at	0.001218	882.27		8	03971	001 973
NM_025483							
407	1436182_at	0.001225	2320	681.	G0924	M_009	
408	1452000_s_at	0.001225	2900.97	2133.07	Sars1	BC008612	NM_011319
409	1438637_x_at	0.001226	2749	521.	V30527	M_030	
410	1428756_at	0.001226	1153.1	916.23	Aasdhppt	AK013111	NM_026276
411					2	21	
412	1422418_s_at	0.001233	1820.87		t4h	M_011	M_00
413	1437143_a_at	0.00	145.	573.4	xndc1	V31054	M_02
414	1448365_at	0.001235	1573.17			M_0255	M_284
415	1451237_s_at	0.00124			bm7	1	48
416	1437007_x_at	0.001242	1592.4			B44658	M_1385
417	1452239_at	0.001245	723.23		2		
418	1429054_at	0.001247	1166	83.8	rpl	K0092	M_029
419	1422505_at	0.001249	681.	23.2	hrac1	M_053	M_053
420	1415940_at	0.00125	3050	333.	fand2	49	
421	1459843_s_at		2		mad1	M_0085	
422	1440231_at	0.001256	4359.93			2	58
423	1426361_at	0.001258	553.2	420.53	Zc3h1	V328883	30
424	1438930_s_at	0.001259	1884.87		B1	2	M_0107
425	1423672_at	0.001264	800.	90.5	7	10	
426	1452193_a_at	0.001267	4513	297	F4661	M_028	
427	1440179_x_at		7		OC2682	B2681	M_15

Table 11

428	1439389_s_at	0.001269	[illegible]
429	1456798_at	0.001271	271.13
430	1426271_at	0.001277	[illegible]
431	1454941_at	0.001277	2300.7
432	1429081_at	0.001289	[illegible]
433	1436982_at	0.001292	[illegible]
434	1435786_at	0.001294	[illegible]
435	1424714_at	0.001301	[illegible]
436	1436459_at	0.001301	385.
437	1444690_at	0.00131	1371.03
438	1417323_at	0.001314	[illegible]
439	1428525_at	0.001318	5050.3
440	1419165_at	0.001327	2130.33
441	1454730_at	0.001334	1437.27
442	1455823_at	0.001335	697.
443	1423975_s_at	[illegible]	[illegible]
444	1437382_at	0.001341	1986.27
445	1437749_s_at	0.001341	[illegible]
446	1430596_s_at	0.001345	99.07
447	1452251_at	0.001351	6443.83
448	1440022_at	0.001354	88.03
449	1427280_at	0.001361	557.
450	1439014_at	0.001365	1263.1
451	1425262_at	0.001373	682.
452	1417351_a_at	0.001381	[illegible]
453	1418887_a_at	0.001398	109.
454	1450937_at	0.001398	[illegible]
455	1439843_at	0.001399	287.
456	1449445_x_at	0.001409	1651.
457	1423931_s_at	0.001412	234.
458	1452973_at	0.001414	2813.47
459	1438630_x_at	0.001419	2897.2
460	1416557_a_at	0.001423	202.
461	1452869_at	0.001424	556.67
462	1434191_at	[illegible]	[illegible]
463	1435632_at	0.001436	[illegible]
464	1418854_at	0.001438	1082.63
465	1436546_at	0.001449	535.53
466	1434937_at	0.001454	6115.37
467	1415796_at	0.001466	413.

Table 11

Table 11

468	1450350_a_at	0.001469	1789.9	1711.67	MGI: 1932093	NM_030887	NM_030887
469	1460580_at	0.001471	1574.6	1244.67	Pcnx	BB772192	NM 018814
470	1455222_a_at	0.001472	1959.47	1267.9	Ubpl	BB550053	NM 013699
471	14162 71_at	0.001475	277.5	145.03	Perp	NM_022032	NM_022032
472	1434285_at	0.001476	1028.43	698.53	Frmd4a	BB701578	NM_172475
473	1421870_at	0.001481	7100.8	6343.73	Trim44	NM_020267	NMJ320267
474	1423570_at	0.001481	1197.6	1075.57	Abcgl	AW413978	NM_009593~
475	1441682_s_at	0.00149	1954.37	1657	Xpot	C79645	XM_125902
476	1421074_at	0.001493	877.03	566.47	Cyp7bl	NM_007825	NM_007825
477	1447320_x_at	0.001495	3644	2579.6	Rpol-3	AU018636	NM_009087 /// NM_181730
478	1455503_at	0.0015	301.23	183	Zfp85-rsl	6820416H06Rik AW107826~	NM_001001130 /// NM_198322
479	14521 06_at	0.001501	2217.23	1843.43	Npnt	AA223007	NM_001029836 /// NM_033525
480	1437503_a_at	0.001506	4553.53	3976.1	MGI:1915044	BB533076	NM_025858 /// HM_026381
481	1428651_at	0.001514	1352.63	1077.03	Klhl24	AK004187	NM_029436
482	1435196_at	0.001519	2432.8	1814.33	Ntrk2	BB795585	HM_001025074 /// NMJ308745
483	1421594_a_at	0.001531	2412.43	1975.83	Sytl2	NM__031394	NM_031394
484	1436920_at	0.001541	688.33	338	Pcdhl7	BQ176938	NM_001013753
485	1452771_s_at	0.001541	3508.43	2873.13	AcSl3	AK012088	NM__001033606 /// HM_028S17
486	1455150_at	0.001541	665.47	429		BB038506	
487	1437624_x_at	0.001544	2624.43	2228	Nudtl611	AV211435	NM_025839
488	1438652_x_at	0.001546	2443	2099.73	Pigq	BB546727	NM_011822
489	1416129_at	0.001553	1258.73	845.17	Errfil	NM 133753	NM 133753
490	1456310 a at	0.001555	475.5	255.97	2610002J02Rlk	AV218922	XM_131827
491	1438782_at	0.001566	332.2	240.97	Cntn4	AW553181	NM 173004
492	1449181_at	0.001568	1670.93	1286.5	Fech	NM_007998	NM_007998
493	1455534_s_at	0.001569	796.13	558	Osbplll	BM220135	NM_176840
494	14283 68_at	O 00157	2790.63	1711.87	Arhgap21	BM213829	XM_130033
495	1448584_at	0.001573	668.5	516.23	Rsrcl	NM_025822	NM_025822
496	1453849_s_at	0.001583	2647.1	2482.77	Hnrpab	AK013709	NM_010448
497	142974S_at	0.00159	923.8	712.5	9330180L21Rik	AK020390	NM_175254
498	1439189_at	0.001591	553.77	402.27	D630023B12Rik	BB498793	XM_355440
499	1417129~a_at	0.001592	1315.2	900.67	Mrgl	U68384	NM_010825
500	1447904_s_at	0.001594	3556.17	2720.43	Fπta	AV313761	NM_008033
501	1434582_at	0 001599	4411.07	3826.27	D14Ertdl71e	AVl 73869	NM_177814
502	1428453_at	0 001603	1217.77	925.53	4930487N19Rik	AK017805	XM_283206
503	1416244_a_at	0.001606	9198.5	7549.33	Ciibpl	NM_013493	NM_013493
504	1444256^at	0 001615	95.43	60.07	Rael	BB184435	NM_175112
505	1428380_at	0 001617	2264.07	1844.7	0610007C21Rik	AK002276	NM_027855 /// NM_212470
506	1437377_a_at	0.00162	810.37	582.67	Polrmt	BB739221	NM_172551
507	1416181 at	0 001622	1962	1662.17	Mesdc2	NM 023403	NM 023403

Table 11

Table 11

508	1448379_at	0.001631	432.67	324.97	Pot1	NM_133931	NM_133931
509	1434446_at	0.001637	527.23	317.23	D630014A15Rik	BM206023	---
510	1449679_s_at	0.001643	1808.17	1415.47	Stx5a	AU014962	NM_019829
511	1435424_x_at	0.001645	669.93	393.87	---	BB392681	---
512	1453593_at	0.001646	194.57	56.97	1700110N18Rik	BG066866	XM_283372
513	1424463_at	0.001649	3851.23	3232.53	2210010L05Rik	BF225441	NM_133829 /// NM_178081
514	1452996_a_at	0.001653	229.07	186.27	Aven	BG070815	NM_028844
515	1449373_at	0.001668	192.1	107.27	Dnajc3	BE624323	NM_008929
516	1451214_at	0.001672	2076.63	1825.5	Kbtbd2	BC022962	NM_145958
517	1456036_x_at	0.001673	1077.8	605.77	Gsto1	AV003026	NM_010362
518	1440273_at	0.001675	150.73	85.37	LOC545753	BB524346	XM_620195
519	1449444_a_at	0.001676	1445.13	1091.93	Mfap1	BB436326	NM_026220
520	1420427_a_at	0.00168	899.77	673.6	Dhx32	NM_133941	NM_133941
521	1460345_at	0.00168	416.87	291.4	2610208M17Rik	BI104583	NM_145626 /// NM_181732
522	1417196_s_at	0.001683	545	317.33	D8Ertd594e	NM_133791	NM_133791
523	1455720_at	0.001684	331.27	169.63	Adamts2	BB477652	NM_175643
524	1434395_at	0.00169	3158.1	2372.9	Man1a2	AV325150	NM_010763
525	1452740_at	0.001692	5551.3	4838.67	Myh10	BQ176159	NM_175260
526	1419927_s_at	0.001695	1489 47	1230.23	Rabif	AW549708	NM_145510
527	1439024_at	0.001703	1574.77	1336.57	---	BB082119	---
528	1435362_at	0.001704	3160.2	2554.9	Foxj3	BB026073	NM_172699
529	1447720_x_at	0.001734	4458.77	3062.13	Prkaca	AV023830	NM_008854
530	1459897_a_at	0.001736	880.43	535.57	MGI:2446326	AI507307	NM_172205
531	1454617_at	0.001737	1004.63	540.7	Arrdc3	BG072824	NM_178917
532	1456015_x_at	0.00174	5588.9	4825.43	Ndufv1	AW228218	NM_133666
533	1439435_x_at	0.001747	2067.87	1367.2	Pgk1	BB411302	NM_008828 /// XM_355086 /// XM_484116 /// XM_485239 /// XM_619563
534	1435746_at	0.001749	1629.37	1275	Srpk2	BB127386	NM_009274
535	1443847_x_at	0.001751	565.9	454.6	---	BB342212	---
536	1437935_at	0.001752	40.47	18.97	4930486G11Rik	BB821151	NM_175213
537	1428252_at	0.001755	1832.93	1364.27	Chmp2b	AA881383	NM_026879
538	1452953_at	0.001755	1510.17	1083.57	1810036I24Rik	AK017572	NM_026210
539	1429251_at	0.001761	455.47	255.27	Prdm2	BM226301	XM_204027
540	1447693_s_at	0.001761	2306.7	1651.5	Neo1	BB350308	NM_008684
541	1455007_s_at	0.001768	653.73	471.53	Gpt2	BI648645	NM_173866
542	1434996_at	0.001768	1192.1	823.67	Slc25a16	AV316233	NM_175194
543	1438835_a_at	0.00177	3766.53	3023.6	Eftud2	BB315355	NM_011431
544	1416814_at	0.001771	1527.47	1109.07	Tia1	BG518542	NM_011585
545	1427882_at	0.001771	336.93	261.67	4930588M11Rik	AK016368	NM_153806
546	1436357_at	0.001776	287.43	225.63	---	AI875680	---

Table 11

547	1437009_a_at	0.001779	2773.33	2071.77	Zfp364	BB252481	NM_026406
548	1436004_at	0.001783	620.03	464.63	Usp27x	BB021271	NM_019461
549	1426712_at	0.001788	2428.83	1714.03	Slc6a15	BB129409	NM_175328
550	1438629_x_at	0.001794	1918.3	1381.43	Grn	AV166504	NM_008175
551	1439527_at	0.001801	2025.77	1308.3	BB114106	BB149026	---
552	1426698_a_at	0.001803	1011.37	673.63	Hnrpm	AK011521	NM_029804
553	1452981_at	0.001809	9126.37	7808.9	Cntn1	AK004399	NM_007727
554	1421664_a_at	0.001814	609.17	462.43	Styx	NM_019637	NM_019637
555	1420711_a_at	0.001823	1062.87	760.63	Pxmp3	BC012404	NM_008994
556	1435260_at	0.001823	1985.2	1590.87	---	BG695418	---
557	1451077_at	0.001826	1599.4	950.33	Rpl5	BM114165	NM_016980 /// XM_619552 /// XM_619607 /// XM_619831 /// XM_620340
558	1415916_a_at	0.001827	927.57	603.03	Mthfd1	NM_138745	NM_138745
559	1452371_at	0.001842	3348.5	2793.27	Sfrs11	AW261533	NM_026989
560	1426930_at	0.001844	2980.2	2086.57	Brunol4	AV327653	NM_133195
561	1420477_at	0.001848	2898.67	2308.23	Nap1l1	BG064031	NM_015781
562	1423134_at	0.001852	1031.03	853.3	BC003324	BG076340	NM_030259
563	1454109_a_at	0.001864	359.1	307.07	Ptdsr	AK017622	NM_033393
564	1451566_at	0.001867	462.27	377.3	BC005471	BC005471	NM_145612
565	1439906_at	0.001885	1649.9	914.73	---	BB184086	---
566	1443327_at	0.001886	1173.87	877.07	D130043K22Rik	BB456021	XM_111397
567	1417765_a_at	0.0019	402.43	226.97	Amy1	NM_007446	NM_007446
568	1423043_s_at	0.001903	8419.3	6670.87	Ddx3x	BF123067	NM_010028
569	1450344_a_at	0.001906	180	79.63	Ptger3	NM_011196	NM_011196
570	1451434_s_at	0.001906	778.47	586.77	5430405G24Rik	BC019948	XM_152907
571	1457260_at	0.001909	2232	1642.47	---	BI080487	---
572	1435705_at	0.001913	488.57	393.63	LOC232875	BB305660	XM_133185
573	1436301_at	0.001928	539.7	451.9	Ripk5	BB435342	NM_172516
574	1444956_at	0.001931	1235.27	1000.7	---	BB113018	---
575	1435174_at	0.001937	1038.07	686.23	Rsbn1	AW546080	NM_172684
576	1453310_at	0.001938	194.67	135.03	Ppil6	AK013818	---
577	1437773_x_at	0.00194	7307.87	5698.13	Ddx17	BB476615	NM_152806 /// NM_199079 /// NM_199080
578	1437696_at	0.001945	297.1	204	BC049307	BG071037	NM_001002008
579	1455377_at	0.001945	4845.9	4257.23	4921517B04Rik	BB795572	XM_357332
580	1435350_at	0.00196	225.5	138.6	Traf6	AV377471	NM_009424
581	1420859_at	0.001962	3851.07	2459.3	Pkia	AK010212	NM_008862
582	1424393_s_at	0.001962	375.4	266.3	Adhfe1	BC026584	NM_175236
583	1436684_a_at	0.001962	263.57	217	Riok2	AV066689	NM_025934
584	1422302_s_at	0.001965	4656.97	4016.57	Ftl1	Ftl2	NM_008049 NM_008049 /// NM_010240 /// XM_619122 /// XM_620101

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585	1438728_at	0.001966	241.3	190.63	Nif3l1	AV032347	NM_022988
586	1417647_at	0.001969	1322.53	783.73	Snx5	NM_024225	NM_024225
587	1418357_at	0.001973	4344.4	3381.93	Foxg1	NM_008241	NM_008241
588	1451783_a_at	0.001978	6982.4	5975.77	Kifap3	D50366	NM_010629
589	1455014_at	0.001979	2884.83	2038.23	AV009015	BM213104	---
590	1436034_at	0.001989	552.13	325.7	Rabl	AW550283	NM_008996
591	1460430_at	0.001989	761.53	672.67	Rap2c	AK008416	NM_172413
592	1419829_a_at	0.001991	645.23	412.93	---	AW049055	---
593	1434736_at	0.001993	4542.73	2656.77	Hif	BB744589	NM_172563
594	1436948_a_at	0.002	372.7	188.27	6430550H21Rik	BB520013	NM_172930
595	1432360_a_at	0.002005	285.23	212.23	4930403J22Rik	AK015064	NM_028651
596	1434161_at	0.002012	809	589.3	5830457H20Rik	BQ173965	NM_173756
597	1423216_a_at	0.002013	1902.03	1629.03	2510049I19Rik	AV109006	NM_026455
598	1439971_at	0.002013	2533.33	1646.53	6330439K17Rik	AV328193	---
599	1435748_at	0.002025	7480.63	6143.07	Gda	AW911807	NM_010266
600	1455925_at	0.002025	1041.77	627.07	Prdm8	AV349236	NM_029947
601	1427982_s_at	0.002032	263.63	201.33	Syne2	BF582734	XM_619002
602	1438975_x_at	0.002033	805.27	558.83	Zdhhc14	BB305930	NM_001013753
603	1453421_at	0.002048	2155.13	1715.1	[illegible]	AK002636	NM_013761
604	1435430_at	0.002049	2312.73	1877.7	Traem1	BM200437	XM_125775 /// XM_359259
605	1436951_x_at	0.002049	2272.43	1868.13	Txndc9	BE623245	NM_172054
606	1453070_at	0.002053	[illegible]	368.93	Pcdh17	AV361868	NM_146073
607	1417974_at	0.00207	1861.57	1212.63	Kpna4	BF018653	NM_008467
608	1417919_at	0.002079	2196.93	1842.17	Ppp1r7	NM_023200	NM_023200
609	1432144_a_at	0.00208	1627.57	1271.37	Rchy1	AK015870	NM_026557
610	1460555_at	0.002084	1793.63	1242.97	6330500D04Rik	BM242294	NM_178658
611	1424532_at	0.002085	938.67	812.03	Ylpm1	AB033168	NM_178363
612	1448743_at	0.002089	2350.03	1815.33	Ssx2ip	NM_138744	NM_138744
613	1423902_s_at	0.002095	3107.2	2674.17	Arhgef12	AF467766	NM_027144
614	1428138_s_at	0.002096	5500.87	4647.67	Arl10c	AV233429	NM_026011
615	1455706_at	0.002098	309.43	102.5	Stxbp4	BG245414	NM_011505
616	1433666_s_at	0.002104	3887.73	3263.47	Vps41	AW536822	NM_172120
617	1450095_a_at	0.002108	980.13	690.1	Acyp1	NM_025421	NM_025421
618	1434352_at	0.002135	1050.47	776.57	B630005N14Rik	BB329261	NM_175312
619	1435846_x_at	0.002137	411.17	248.63	---	BB448458	---
620	1455184_at	0.002139	601.4	448.9	B230364F10	BG071991	---
621	1455695_at	0.002141	1291.03	724.2	St8sia1	BI736113	NM_011374
622	1423470_at	0.002142	3599.53	3034.4	Ptpb2	BB076855	NM_019550
623	1428792_at	0.00215	4083.63	3163.53	Bcas1	AK008957	NM_029815

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624	1423870_at	0.002166	1096.93	905.73	2610208M17Rik	BI104583	NM_145626
625	1433925_at	0.00217	3365.97	2482.57	Dnclic2	BM212035	NM_001013380
626	1436114_at	0.002178	777.07	609.07	G630064H08Rik	BB698467	XM_488860
627	1433453_a_at	0.002183	4223.33	205.3	Abtb2	BB621938	NM_178890
628	1427256_at	0.002185	369.5	[illegible]	Cspg2	BM251152	XM_488510
629	1420046_s_at	0.002189	[illegible]	1970.87	Mafl	AU042856	NM_026859
630	1449506_a_at	0.002199	[illegible]	1368.77	Eefld	NM_023240	NM_023240 /// NM_029663
631	1442180_at	0.002206	451.67	284	Dleu7	BB382040	NM_173419
632	1450410_a_at	0.002229	476	358.53	4930570C03Rik	BC022913	NM_026353
633	1435092_at	0.002235	950.07	[illegible]	Arl4	AV328143	NM_007487
634	1437080_s_at	0.002251	[illegible]	4995.5	Psmdll	AV296751	NM_178616
635	1438931_s_at	0.002251	177	803.53	Sesnl	AV016566	NM_001013370
636	1426815_s_at	0.002253	[illegible]	902.03	AU024582	BM248309	NM_153125
637	1437351_at	0.002261	1125.83	838.6	Cxxc4	BM114956	NM_001004367
638	1435801_at	0.002262	1223.73	1025.37	Fcmd	AV365405	NM_139309
639	1433738_at	0.002265	1545.73	1254.27	5730445M16Rik	AV315131	XM_134422
640	1441305_at	0.002268	1291.37	1012.47	Nedd4l	BB360028	NM_031881
641	1433534_a_at	0.002269	[illegible]	1623.57	Cct2	AV172084	NM_007636
642	1436681_x_at	0.002276	1465.61	943.1	0610009D07Rik	BE199670	NM_025323
643	1455600_at	0.002283	591.37	402.43	Rps3	BG069767	NM_012052
644	1435170_at	0.002298	1735	1181	2310007F12Rik	BQ177187	NM_175146
645	1448252_a_at	0.002302	[illegible]	5404.57	Eef1b2	NM_018796	NM_018796
646	1451587_a_at	0.002304	[illegible]	1282.47	Tiprl	BC002098	NM_145513
647	1428369_s_at	0.002307	[illegible]	1850.77	Arhgap21	BM213829	XM_130033
648	1423259_at	0.002311	2462.97	[illegible]	Id4	BB121406	NM_031166
649	1457587_at	0.002334	2097.63	1489.37	Kcnq5	BB196645	NM_023872
650	1434245_a_at	0.002339	336.9	243.3	Cybasc3	BB218627	NM_201351
651	1451980_at	0.00234	3430.9	2682.1	MGI:2384865	BC018542	NM_145398
652	1423215_at	0.002343	3471.07	2850.23	Spcs2	BI078449	NM_025668
653	1415788_at	0.002345	1736.27	1541.73	Üblcpl	BF158817	NM_024475
654	1455496_at	0.002347	267.03	195.07	Pfas	AV306055	XMJ.11232
655	1428854_at	0.002351	1728.13	1361.53	Tmed	AK018286	XM_356596
656	1418754_at	0.002363	843.5	702.67	Adcy	NM_009623	NM_009623
657	1455249_at	0.002364	1657.77	1277.9	Slc36a4	BQ175681	NM_172289
658	1450053_at	0.002374	2798.07	2538.23	Kif2a	NM_008442	HM_008442
659	1440849_at	0.002383	6449.17	5197.03	6330417G04Rik	AV327187	[illegible]
660	1457423_at	0.002389	2675.8	1984.73	A930012M17	AI849508	XM_484423
661	1434860_at	0.002397	666.03	499.9	Narg3	BQ176197	[illegible]
662	1440187_at	0.002403	266.23	216.1	Taf3	AV316700	NM_027748
663	1440759_at	0.002405	3175.7	2616.4	[illegible]	BB321369	NM_181732

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664	1436426_at	0.002407	512	[illegible]	[illegible]	[illegible]
665	1434497_at	0.002422	1577.67	[illegible]	[illegible]	[illegible]
666	1435304_at	0.002424	495.33	343	[illegible]	[illegible]
667	1428793_at	0.002425	738.5	585	[illegible]	[illegible]
668	1417[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
669	1449354_at	0.002429	334[illegible]	[illegible]	[illegible]	[illegible]
670	1418815_at	0.002442	4122.2	[illegible]	[illegible]	[illegible]
671	1454074_a_at	0.00245	2654.03	[illegible]	[illegible]	[illegible] NM_025438
672	1451931_x_at	0.002452	[illegible]	[illegible]	[illegible]	[illegible]
673	1417051_at	0.002455	2945.2	157[illegible]	[illegible]	[illegible]
674	1450072_at	0.002459	1521.03	1148.53	Ashl1	BG69[illegible]
675	1434098_at	0.002468	263.5	160	[illegible]	[illegible]
676	1423197_a_at	0.00[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
677	1426248_at	0.002471	167[illegible]	[illegible]	[illegible]	[illegible]
678	1438250_s_at	0.002488	371[illegible]	[illegible]	[illegible]	[illegible] NM_027592 /// XM_620010
679	1442075_at	0.00251	[illegible]	[illegible]	[illegible]	[illegible]
680	1456833_at	0.002517	130[illegible]	[illegible]	[illegible]	[illegible]
681	1441945_s_at	0.00252	820	[illegible]	[illegible]	[illegible]
682	1428725_at	0.002532	[illegible]	[illegible]	[illegible]	[illegible]
683	1433725_at	0.002538	5694.9[illegible]	[illegible]	[illegible]	[illegible]
684	1452669_at	0.002546	2175.7	1741.7	[illegible]	[illegible]
685	1438628_x_at	0.00255	1240.33	594.93	Cntn3	BB559510 NM_008779
686	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
687	1456381_x_at	0.002559	124[illegible]	[illegible]	[illegible]	[illegible]
688	1455446_x_at	0.002566	[illegible]	[illegible]	[illegible]	[illegible]
689	1416165_at	0.002567	2102.5	180[illegible]	[illegible]	[illegible]
690	1439732_at	0.002571	813.6	579	[illegible]	[illegible]
691	1416111_at	0.002573	396.53	[illegible]	[illegible]	[illegible]
692	1455362_at	0.002577	330	[illegible]	[illegible]	[illegible]
693	1417941_at	0.002583	1874.87	1579.87	Hdhd4	NM_026086 NM_026086
694	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
695	1419111_at	0.002592	1347.13	[illegible]	[illegible]	[illegible]
696	1443849_x_at	0.002596	[illegible]	[illegible]	[illegible]	[illegible]
697	1453731_a_at	0.002599	932	769.23	[illegible]	[illegible]
698	1453782_at	0.002601	1165.33	[illegible]	[illegible]	[illegible]
699	1435554_at	0.002603	1082.2	[illegible]	[illegible]	[illegible]
700	1419375_at	0.002614	1991.33	1679.8	[illegible]	[illegible]
701	1442371_at	0.002623	[illegible]	[illegible]	[illegible]	[illegible]

Table 11

Table 11

702	1426675_at	0.002627	[illegible]	[illegible]	[illegible]
703	1451542_at	0.002629	2398.5	[illegible]	[illegible]
704	1424680_at	0.002632	181.[illegible]	[illegible]	[illegible]
705	1436844_at	0.002632	[illegible]	[illegible]	[illegible]
706	1424015_at	0.002633	9539.37	[illegible]	[illegible]
707	1417253_at	0.002634	[illegible]	[illegible]	[illegible]
708	1447223_at	0.002636	[illegible]	[illegible]	[illegible]
709	1434397_at	0.00264	2965.97	2713.4	[illegible]
710	1450431_a_at	0.002641	[illegible]	[illegible]	[illegible]
711	1426976_at	0.002647	[illegible]	[illegible]	[illegible]
712	1433724_at	0.002649	1073.3	[illegible]	[illegible]
713	1437511_x_at	0.002654	497.[illegible]	[illegible]	[illegible]
714	1460595_at	0.002658	551.[illegible]	[illegible]	[illegible]
715	1423171_at	[illegible]	[illegible]	[illegible]	[illegible]
716	1425458_a_at	[illegible]	[illegible]	[illegible]	[illegible]
717	1448104_at	0.002684	[illegible]	[illegible]	[illegible]
718	1434187_at	0.002685	1049.6	[illegible]	[illegible]
719	1460168_at	0.002695	1406.6	[illegible]	[illegible]
720	1429938_at	0.002696	2632.27	1968.37	[illegible]
721	1435880_at	0.002701	1689.27	[illegible]	[illegible]
722	1434598_at	0.00271	[illegible]	[illegible]	[illegible]
723	1423310_at	0.002721	411	284.[illegible]	[illegible]
724	1424324_at	0.002727	411.03	263.[illegible]	[illegible]
725	1434474_at	0.002729	[illegible]	[illegible]	[illegible]
726	1452984_at	0.002739	[illegible]	[illegible]	[illegible]
727	1448269_a_at	0.002751	[illegible]	[illegible]	[illegible]
728	1460324_at	0.002759	1220.23	[illegible]	[illegible]
729	1424707_at	0.002768	3870.13	3240.63	[illegible]
730	1437027_x_at	0.002768	[illegible]	[illegible]	[illegible]
731	1434111_at	0.002778	[illegible]	[illegible]	[illegible]
732	1420095_s_at	0.002789	527.[illegible]	[illegible]	[illegible]
733	1443856_at	0.002789	[illegible]	[illegible]	[illegible]
734	1416221_at	0.002793	982.[illegible]	[illegible]	[illegible]
735	1436909_at	0.002812	2078.9	1613.17	[illegible]
736	1425678_a_at	0.002829	[illegible]	[illegible]	[illegible]
737	1443986_at	0.002829	269.[illegible]	[illegible]	[illegible]
738	1422685_at	0.002831	924.93	736.93	[illegible]
739	1455696_a_at	0.002839	875.[illegible]	[illegible]	[illegible]
740	1434931_at	[illegible]	[illegible]	[illegible]	[illegible]
741	1437480_at	0.002848	344.[illegible]	[illegible]	[illegible]

Table 11

Table 11

742	1435308_at	0.002852	5258.73	3203.83	[illegible]
743	1429642_at	0.002853	223.5	130.3	[illegible]
744	1455928_x_at	0.002865	2833	2354.1	[illegible]
745	1441165_s_at	0.002865	4045.8	3381.37	[illegible]
746	1452763_at	0.002868	2361.43	1846.13	[illegible]
747	1457246_at	0.002868	1110.13	669.87	[illegible]
748	1428210_s_at	0.002872	428.9	306.5	[illegible]
749	1456610_at	0.002877	462.97	226	[illegible]
750	1435277_x_at	0.002879	8593.1	4651.63	[illegible]
751	1416344_at	0.00288	748.4	586.67	[illegible]
752	1436479_a_at	0.002883	592.23	398.5	[illegible]
753	1415794_a_at	0.002884	4987.83	4100.1	[illegible]
754	1435176_a_at	0.002889	5730.07	4104.03	[illegible]
755	1416555_at	0.002897	4161.17	3533.63	[illegible]
756	1449668_s_at	0.002898	1625.9	1248.1	[illegible]
757	1422855_at	0.002902	918.77	728.97	[illegible]
758	1419462_s_at	0.002907	1593.33	1375.43	[illegible]
759	1445703_at	0.002907	342.8	172.5	[illegible]
760	1438415_s_at	0.002908	429.27	326.23	[illegible]
761	1426260_a_at	0.002909	256.67	91.4	[illegible] /// NM_201641 /// NM_201642 /// NM_201643 /// NM_201644 /// NM_201645 [illegible] NM_201410
762	1456681_at	0.002911	340.17	239.5	[illegible]
763	1456748_a_at	0.002914	1332.23	936.9	[illegible]
764	1447623_s_at	0.00292	350.2	231.53	[illegible]
765	1424784_at	0.002924	72.87	32.77	[illegible]
766	1450386_at	0.002926	2521.9	2314.83	[illegible]
767	1425682_a_at	0.002927	1441.23	1007.03	[illegible]
768	1454643_at	0.002937	672	[illegible]	[illegible]
769	1434354_at	0.002937	602.63	449.23	[illegible]
770	1416812_at	0.002943	1931.6	1438.47	[illegible]
771	1420486_at	0.002944	1818.47	1532.07	[illegible]
772	1422787_at	0.002944	221.53	158.37	[illegible]
773	1460716_a_at	0.002953	1674.27	1201.23	[illegible]
774	1437194_x_at	0.002963	505.27	336.57	[illegible]
775	1434378_a_at	0.002969	947.53	737.8	[illegible]
776	1460631_at	0.00297	4996.63	3638.53	[illegible]
777	1444611_at	0.00297	199.93	130.1	[illegible]
778	1438688_at	0.002973	4605.63	3227.53	[illegible]
779	1436645_a_at	0.002975	671.23	539.03	[illegible]
780	1424723_s_at	0.002978	1082.87	608.83	[illegible]

Table 11

Table 11

781	1452833_at	0.00298	
782	1456038_at	0.002981	798.13
783	1456567_x_at	0.002985	
784	1452114_s_at	0.002987	260[illegible]
785	1451974_at	0.002993	203[illegible]
786	1434184_s_at	0.003007	
787	1438619_x_at	0.003008	250[illegible]
788	1429159_at	0.003009	995.
789	1443119_at	0.003009	
790	1448248_at	0.003025	4724
791	1428963_at	0.003027	
792	1434717_at	0.003032	
793	1434773_a_at	0.003034	
794	1428471_at	0.003038	2947.47
NM_009166 /// NM_17836			
795	1434864_at	0.003038	1724.43
796	1452713_a_at	0.00304	
797	1445897_s_at	0.00304	142.43
798	1426949_s_at	0.003041	1698.53
799	1436363_a_at		
800	1454879_s_at	0.003043	
801	1426979_at	0.003058	467.
802	1417783_at	0.003066	837.03
803	1447825_x_at	0.003069	4847.93
804	1420609_at	0.003073	3646.23
805	1421292_a_at	0.003081	1263.8
807	1419636_at	0.003103	
808	1452268_at	0.003104	941.87
809	1421019_at	0.003105	1634.07
810	1436213_a_at	0.003106	70.6
811	1448468_a_at	0.003114	181[illegible]
812	1436853_a_at	0.003116	10347.23
813	1416731_at	0.003124	
814	1447669_s_at	0.003124	
815	1456516_x_at	0.003136	
816	1428731_at	0.003144	
817	1433910_at	0.003145	1564.37
818	1449702_at	0.003159	1104
819	1435542_s_at	0.003162	

Table 11

820	1455554_at	0.003162	492[illegible]		
821	1416260_a_at	0.003167	104[illegible]		
822	1450063_at	0.003175	1634.9		
823	1435209_at	0.00318			
824	1415806_at	0.003184			
827	1416185_a_at	0.003205			
828	1415673_at	0.003206	973		
829	1460315_s_at	0.003207	213[illegible]		
830	1460736_at	0.0[illegible]			
831	1454846_at	0.003235	606.4	471.63	
832	1423105_a[illegible]				
833	1426722_at	0.00325	3597.07	2450.9	
834	1415947_at	0.003251	947.4	811.03	Cre[illegible]
835	1454136_a_at	0.003252			
836	1435662_at	0.003253	513.03	331	
837	1440691_at	0.003262	317.07	216.77	Cyp2[illegible]
838	1456423_at	0.003276	1085.9		
839	1416146_at	0.003281	1481.73	118[illegible]	
840	1450950_at	0.003284	1002	679	
841	1428772_at	0.003285	2298.9		
842	1435576_at	0.003285	613		
843	1437364_at	0.003287			
844	1452249_at	0.0[illegible]			
845	1451342_at	0.003299	726.7	532	Spo[illegible]
846	1440325_at	0.003305	630		
847	1447993_a_at	0.0[illegible]			
848	1444071_at	0.003317	166.77	122	
849	1438982_s_at	0.003319			
850	1451519_at	0.003324	152[illegible]		
851	1459874_s_at	0.00333	172[illegible]		
852	1452918_at	0.003332	155[illegible]		
853	1452731_x_at	0.003334	3428.63	2331.53	LOC5[illegible]
NM_025940 /// XM_619175 /// XM_619180 /// [illegible]					
854	1428416_at	0.003336	3179.53		
855	1439010_at	0.003338	971		
856	1454802_x_at	0.003339	207[illegible]		
857	1429504_at	0.00334	526		
858	1433561_at	0.003344			

Table 11

Table 11

859	1423241_a_at	0.003347	1287.4	1028.27	Tfdp1	BG075396	NM_009361
860	1434422_at	0.003353	1257.37	926.97	AI423479	AV027153	---
861	1415700_a_at	0.003362	3856.63	3408.4	Ssr3	BC011111	NM_026155
862	1425194_a_at	0.003367	2405.67	1912.6	6330577E15Rik	BC024403	NM_026377
863	1416156_at	0.003379	1135.87	890.9	Vcl	NM_009502	NM_009502
864	1455323_at	0.00338	552	421.93	MGI:1927369	BB446066	NM_021326
865	1456026_at	0.00339	229.5	181.77	8030451K01Rik	AV303159	NM_172501
866	1428845_at	0.003397	2867.47	2337.6	Bclaf1	BI965039	NM_001025392 /// NM_001025393 /// NM_001025394 /// NM_153787
867	1429004_at	0.003406	1543.2	1098.2	Phip	AK012667	XM_358384
868	1428351_at	0.003408	428.47	202.7	Ppm1m	AK013143	NM_026447 /// NM_198931
869	1430515_s_at	0.00341	757.13	579.7	Aasdhppt	AK008554	NM_026276
870	1450066_at	0.003418	1208.1	1072.23	Ubr1	BQ173927	NM_009461
871	1422669_at	0.003421	1202.4	961.53	Ebag9	AY009091	NM_019480
872	1434404_at	0.003441	2042.53	1525.63	C030011O14Rik	BB375245	NM_174868
873	1436775_a_at	0.00345	2017.07	1733.03	Ankrd17	AW557826	NM_030886 /// NM_198010
874	1441879_x_at	0.003454	210.6	141.83	Mkrn1	AV218897	NM_018810
875	1434314_s_at	0.003458	2357.4	1614.9	Rab11fip5	BQ177085	NM_001003955 /// NM_177466
876	1427271_at	0.00346	209.97	163.4	Btbd15	BC027138	NM_172765
877	1452952_at	0.00346	4048.93	2927.6	9030418K01Rik	AK018518	---
878	1454876_at	0.003468	546.13	385.57	Rab23	BB771587	NM_008999
879	1419176_at	0.003476	550.83	417.2	Vps37a	AK008752	NM_033560
880	1434493_at	0.003481	413.97	268.67	1810022K09Rik	BG092222	---
881	1419420_at	0.003485	1403	1192.93	St6galnac5	NM_012028	NM_012028
882	1441876_x_at	0.003491	136.87	90	Zfp93	BB245574	NM_009567
883	1455627_at	0.003492	240.27	117.73	Col8a1	AV292255	NM_007739
884	1419645_at	0.003494	2676.23	2053.9	Cstf2	BM120662	NM_133196
885	1451177_at	0.003499	3414.7	2499.63	Dnajb4	BC017161	NM_025926 /// NM_027287
886	1456739_x_at	0.003502	5254.1	3516.9	Armcx2	BB392869	NM_026139
887	1435207_at	0.003506	2126.2	1403.67	Dixdc1	BB758432	NM_178118
888	1460737_at	0.003508	540.6	466	Igbp1	AA960310	NM_008784
889	1435545_at	0.003517	473.9	291.5	BC032203	BB242234	XM_140041
890	1427382_a_at	0.003524	650	486.87	Suv39h1	AF193862	NM_011514
891	1459840_s_at	0.003531	864	641.8	Ccdc28b	AV365721	NM_025455
892	1444228_s_at	0.003537	162.2	134.63	Herc2	BB333568	NM_010418
893	1434036_at	0.003546	1081.87	862	Mtss1	AV024771	NM_144800
894	1440253_at	0.003558	2522.87	1787.9	---	AV136581	---
895	1428779_at	0.003562	1058.17	739.13	Zbtb41	BB526541	NM_172643
896	1421014_a_at	0.003564	460.83	326.9	Clybl	BC023398	NM_029556
897	1426030_a_at	0.003567	650.43	469.03	Apeh	BC025494	NM_146226

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898	1436997_x_at	0.00357	AA561825		
899	1415749_a_at	0.003572	NM_007584		
900	1456728_x_at	0.003572	NM_053124		
901	1417737_at	0.003574	751.7	627.43	Mrps31
902	1434729_at	0.003583	1480.4	1158	
903	1458163_at	0.003592	551.	HM_007644	
904	1427150_at	0.003593	585.47	NM_008947	
905	1419123_a_at	0.0C	NM_009342	32.8	88.23
906	1434450_s_at	0.003597	2684.2		
907	1438636_s_at	0.003623	319.47		87.
908	1416755_at	0.003627	XM_129610	AI850334	
909	1434112_at	0.003652	1141	985.17	
910	1437308_s_at	0.003656	515		
911	1448299_at	0.003658	2765.77		2340
912	1440934_at	0.003661	NM_176932	BB296225	
913	1433544_at	0.0036€	NM_001024206	BE628649	
914	1452197_at	0.003668	316.	NM_009187	
915	1417062_at	0.003669	462.	NM_177325	
916	1416101_a_at	0.003676	2289.6	XM_127605	
917	1433679_at	0.003676	544.47	NM_173866	
918	1438385_s_at	0.003679	970.	XM_130112	
919	1424198_at	0.003687	NM_015786	NM_015786	
920	1455643_s_at	0.0C	NM_026034	NM_026034	
921	1421772_a_at	0.0037	NM_133786		
922	1436019_a_at		NM_173155		
923	1457218_at	0.003702	NM_175234		
924	1415675_at	0.003705	1201	NM_010199	
925	1421175_at	0.003705	4782.	NM_010169	615.
926	1421172_at	0.003707	156.9	120.5	Adam
927	1436552_at	0.003708	997.	NM_018808	39.2
928	1449839_at	0.003711	855.6	659	Casp3 BG070
929	1449410_a_at	0.003727	3956.13	BG073639	
930	1428116_a_at	0.003754	NM_019971	NM_019971	
931	1416005_at	0.003755	3365.03	XM_355579	
932	1454704_at	0.003755	5962.83	NM_001001180	
933	1443836_x_at	0.00375	NM_001003916	95.3	
934	1442994_at	0.00377	435.3	260.	
935	1424206_at	0.003771	1425	NM_007386	265.
936	1456226_x_at	0.003773	NM_017475	NM_017475	
937	1456699_s_at	0.0C	NM_019989	481.	

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Table 11

938	1454722_at	0.003787	7273.8	6307.67	Herc1	BG792618	XM_620756
939	1423103_at	0.003788	468.03	309.07	Rfx5	BB392192	NM_001025601 /// NM_017395
940	1425241_a_at	0.003797	1109.47	768.37	Wsb1	BC019601	NM_019653
941	1423083_at	0.003819	1290.03	927.17	Rab33b	AK004974	NM_016858
942	1455387_at	0.003827	885.13	565.73	1110001M19Rik	AV112972	NM_001024205
943	1457440_at	0.003841	1371.57	1098.83	Sstr4	BB451927	NM_009219
944	1429918_at	0.003843	1487.03	1243.57	Arhgap20	AK018317	NM_175535
945	1454917_at	0.003844	790.47	635.83	AU045404	BB795206	XM_354869
946	1458351_s_at	0.003844	1337.33	1164.87	Klhl2	BB428573	NM_178633
947	1420932_at	0.003848	2641.37	2274.93	Mapk8	BM940281	NM_016700
948	1435964_a_at	0.003848	1481.1	992.4	---	BB194075	---
949	1429335_at	0.00386	747.37	554.13	Snapc1	AK012317	NM_178392
950	1438029_at	0.003864	590.13	496.97	4930535B03Rik	BB817800	XM_485279
951	1428267_at	0.003866	547.87	458.17	Dhx40	AK010512	NM_026191
952	1432164_a_at	0.003871	2282.4	1750.57	Gcsh	AK003189	NM_026572
953	1433901_at	0.003872	2689.3	1912.17	Gpiap1	AV301998	NM_016739
954	1433906_at	0.003872	1802.03	1130.63	4933402J24Rik	BE956483	NM_028940
955	1419164_at	0.003873	1480.8	1128	Zfp260	D45210	NM_011981
956	1427269_at	0.003874	805.77	676.9	Sfrs11	AW261583	NM_026989
957	1429441_at	0.003881	160.2	121.07	Fbxo30	AK006369	NM_027968
958	1437585_x_at	0.00389	537.97	306.93	Zfp161	BB329659	NM_009547
959	1425864_a_at	0.003892	337.93	250.8	Sorcs1	AF284755	NM_021377
960	1425030_at	0.003893	629.47	445.1	Zfp622	BC006964	NM_144523
961	1436771_x_at	0.003902	904.03	661.13	Pgd	BB314208	XM_622094
962	1455272_at	0.003906	3727.07	2671.3	Grm5	BB429139	XM_149971
963	1447655_x_at	0.003913	532.13	368.9	Sox6	BB257593	NM_001025559 /// NM_001025560 /// NM_011445
964	1439571_at	0.003915	780.57	504.03	E230008J23Rik	BB820889	---
965	1450964_a_at	0.00392	1129.83	782.5	Osbpl9	BB826372	NM_133885 /// NM_173350
966	1455113_at	0.00393	833.13	675.2	Armc8	BM232782	NM_028768
967	1436752_at	0.003935	256.1	207.03	5730478M09Rik	BM229530	XM_148441 /// XM_358792
968	1456512_at	0.003935	185.17	90.8	Pdzrn4	AV174487	XM_139540
969	1439272_at	0.003936	667.1	451.97	A830039H10Rik	BB183240	NM_172153 /// NM_178142
970	1425487_at	0.003941	319.43	252.07	D11Ertd730e	BC025870	NM_148673 /// NM_198936
971	1454625_at	0.003946	300.17	205.9	Phf6	BG073473	NM_027642
972	1455189_at	0.003964	1242.77	1002.2	8030451N04Rik	BB430432	---
973	1425344_at	0.003976	664.23	515.33	4430402O11Rik	BI452475	NM_026272
974	1441880_x_at	0.003991	126.77	89.47	MGC30332	BB009770	NM_145580
975	1437250_at	0.004006	316.1	185	MGI:2151839	AV298358	NM_001005423
976	1419081_at	0.004016	381	257.07	Atg10	NM_025770	NM_025770
977	1459861_s_at	0.004021	896.17	447.97	Fbxl10	AV221085	NM_001003953 /// NM_001005866 /// NM_013910

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978	1416186_at	0.004025	1088.23	[illegible]			
979	1435988_x_at	0.004032	[illegible]				
980	1419171_at	0.004033	308.4	182	[illegible]		
981	1452262_at	0.004035	663.3	527.63	[illegible]		
982	1448515_at	0.004039	1301.93	[illegible]			
983	1434513_at	0.004041	819	667	[illegible]		
984	1448403_at	0.004041	1625.03	[illegible]			
985	1418988_at	0.004042	[illegible]				
986	1420871_at	0.00405	[illegible]				
987	1456557_at	0.00405	208	[illegible]			
988	1456700_x_at	0.004057	5727.7	4132	[illegible]		
989	1415920_at	0.004067	504	[illegible]			
990	1425498_at	0.004082	[illegible]				
991	1454060_a_at	0.004083	101	[illegible]			
992	1436269_s_at	0.004092	[illegible]				
993	1436908_at	0.004092	1216.47	848.73	[illegible]		
994	1417252_at	0.004096	[illegible]				
995	1435048_at	0.004098	498	343.43	AI854703	BB179352	NM_177737
996	/// XM_485833 /// XM_484973 ///	[illegible]					
997	1417191_	[illegible]					
998	1448678_at	0.004111	835	[illegible]			
999	1449322_at	0.004124	[illegible]				
XM_621093 /// XM_622878							
1000	1428126_a_at	0.004129	1343.3	998	[illegible]		
1001	1435774_at	0.004132	867	673	[illegible]		
1002	1435337_at	0.004136	1579.57	[illegible]			
1003	1448493_at	0.004137	[illegible]				
1004	1433490_s_at	0.00414	[illegible]				
1005	1426187_a_at	0.004142	[illegible]				
1006	1434447_at	0.004156	[illegible]				
1007	1438794_x_at	0.004159	[illegible]				
1008	1436495_s_at	0.004169	[illegible]				
1009	1460449_at	0.004175	3077.47	[illegible]			
1010	1441101_at	0.004183	971.33	[illegible]			
1011	1440816_x_at	0.	[illegible]				
1012	1434277_a_at	0.004193	[illegible]				
1013	1418034_at	0.004196	406.13	[illegible]			
1014	1416448_at	0.004202	[illegible]				
1015	1416788_a_at	0.004204	[illegible]				
1016	1449749_s_at	0.004205	[illegible]				

Table 11

1017	1418048_	at	0.004208	1819.77	1387.17	1110059G10Rik	NM_025419	NM_025419
1018	1416429]	a_at	0.004212	912.73	615.73	Cat	NM_0 09804	NM_009804
1019	1419012]	at	0.004224	284.43	173.5	Zfpm2	NM_011766	NM_011766
1020	1423205]	]at	0.004224	1225.3	1138. B3	Tm9sf4	BB357487	NMJL33847
1021	1449083_	at	0.004229	530.3	449 ,5	1810060J02Rik	AA067702	NM_025911
1022	1436405]	at	0.00423	2138.5	1275.73	Dock4	BG068753	NMJL72803
1023	1439153]	at	0.004236	1357.3	1076.73	Ibrdc2	AV274826	NM_146042
1024	1453212_	]at	0.004237	504.9	342 3	Zfp383	BB705379	XM_145500
1025	1434691]	]at	0.004239	628.8	410.73	Sfrs2ip	BB154529	NMJ328148
1026	1428333_	at	0.004244	2763.13	2315.47	6530401D17Rik	AK013740	NM_029541
1027	1426457	]at	0.004248	3422.7	2714.73	Slmap	BB473571	NM_032008
1028	1457649	_x_at	0.004248	729.23	405.13	---	BB271066	
1029	1439263]	]at	0.004251	219.77	104.4	Finl5	BB388301	NM_008016
1030	1423649]	]at	0.004252	1361.13	1213.93	Tmem68	BC016240	NM_028097
1031	1433658_	_x_at	0.004263	4149.43	3291.17	Pcbp4	AV300794	NM_021567
1032	1424072_	at	0 004265	1694.83	1529.5	2010107G23Rik	BC024943	NM_027251
1033	1441780]	at	0 004268	385.2	262.23	AW493922		
1034	1429351_	at	0 004275	964.37	815. S3	Klhl24	AK018314	NM_029436
1035	1451217]	_a_at	0.004296	1475.23	1136. 1	Immpll	BC008259	JM_028260
1036	1435382]	]at	0 004307	8080.43	6341.33	NdIi	AW743020	NM_010882
1037	1420822~	s_at	0.004309	896.	622.9	Sgppl	NM_030750	NM_03 0750
1038	1438187]	at	0 00431	751.93	522.93	Slc25a29	BB832209	NM.181328
103	1460436_	at	0 004317	3167.47	2472.4	Ndstl	BI652065	NM_008306
1040	1439870]	]at	0 004331	260.53	168".87	A330008L17Rik	BB129921	NM_175479
1041	1455342]	_at	0 004356	2119.17	1779.8	A230083H22Rik	BM232966	
1042	1455144]]	]s_at	0.004357	3491.87	3000.07	AU040829	BB079908	NM_175003
1043	1428517~	at	0 004361	3230.13	2470.77	Wdfy3	AK012075	NM_172882
1044	1436420~	a_at	0.004362	1503.47	1260.93	Ipo4	BB390936	NM_024267
1045	1429403~	x_at	0.004369	439.27	313.1	Glt8d2	AK003894	NM_029102
1046	1452423_	at	0 004374	625.63	389.7	PcIo	AW493746	NM_011995
1047	1428637~	at	0 00438	2078.53	1679.07	Dyrk2	AK007736	NM_001014390
1048	1437707 "	at	0 004382	793.03	560.73	BC019561	BB835597	NM_144867
1049	1455975~	x_at	0.004386	1337 .53	1099.53	Zfp3'l3	BB251247	NM_030743
1050	1419074~	at	0 004387	829.67	582.2	2510006C20Rik	NM_026527	NM_026527
1051	1426838_	at	0 004395	282.9	225. 37	Pθld3	AKOlO 805	NM_133692
1052	1434663]]	at	0 004396	1017.73	777.83	2410129H14Rik	BI153133	NM_175245
1053	1450881_	s_at	0.004403	730. 07	481.07	Tra7sfl	AK010724	NM_031999
1054	1433887_	at	0 004406	1325.93	889.27	Dnajc3	AV024539	NM_008929
1055	1421849]]	at	0 004435	2010.57	1404.53	Stag2	NM_02146S	NM_021465
1056	1428178	s at	0.00444	4384 .7	3871.83	Trappc b	BG066452	NM_030057

Table 11

Table 11

1057	1449815_a_at	0.004444	3762.03	3077.87	Ssbp2	NM_024186 /// NM_024272
1058	1444199_at	0.004454	456.57	3041.37	[illegible]	AW046689
1059	1435190_at	0.004464	5431.5	3864.87	Chi1	BB378591
1060	1422497_at	0.004472	1777.83	1355.73	Slc30a5	NM_022885
1061	1452288_at	0.004474	4631.8	296.2	[illegible]	BB128963
1062	1426264_at	0.00448	2013	1851.67	[illegible]	AV336908
1063	1433676_at	0.004489	3816.43	3313.9	Wnk1	BM232571
1064	1440681_at	0.004489	678.4	532.53	[illegible]	BM115621
1065	1444560_at	0.004495	185.53	114.73	[illegible]	AI834981
1066	1421841_at	0.0045	1820.93	1381.77	Fgfr3	NM_008010
1067	1455594_at	0.004515	2185.77	1743.77	[illegible]	BF457860
1068	1455849_at	0.004515	245.23	160.77	Nav1	BE980206
1069	1417385_at	0.00452	2290.83	1803.47	Npepps	AK010446
1070	1428749_at	0.004524	5252.23	4566.87	Dmxl2	AK018275
1071	1416714_at	-0.004531	202.73	134.57	Irf8	BG069095
1072	1429781_s_at	0.004539	255.53	139.73	D3Ertd789e	AK014839
1073	1422490_at	0.004544	610.73	497.07	Bnip2	AV144704
1074	1423818_a_at	0.004552	6780.2	4814.07	Arl6ip1	AF133669
1075	1415744_at	0.004555	2796.7	2353.2	H2-Ke2	BC022974
1076	1437709_x_at	0.004556	1730.5	1534.97	Ttc13	BB449922991144
1077	1454794_at	0.004557	1803.57	1344.43	Spaas	AV229988449955
1078	1423347_at	0.004558	4853	3456.7	Eecc2	BM223322223344
1079	1425591_a_at	0.004571	3014.77	2552211.99	Chhmmpp22aa	BC012230
1080	1439808_at	0.00458	5720.8	4588.0	[illegible]	BQ176089
1081	1434648_a_at	0.004588	2037.27	1442266	Ccmm22	BI990033779944
1082	1427020_at	0.004589	839.23	605.5	Ccaarraa33	BC002266444466
1083	1417022_at	0.004604	271.43	179.2	Slcc77aa33	NM_007551155
1084	1424186_at	0.004617	1040.8	822.8	2261100000011EE1177RRiikk	BG074158
1085	1457632_s_at	0.004624	1222.67	65522.2	Mrrggll	BB2 07647
1086	1417558_at	0.004625	4547.63	4102.7777	Pyynn	NM_008054
1087	1431619_a_at	0.004627	1879	1569.73	Dtnbp1	AK017400
1088	1438641_x_at	0.00463	2577.8	1880000.55	1550000001166001100RRiikk	BB339911115566
1089	1417512_at	0.004641	1679.67	1352.4 433	Evvii55	AI225555118844
1090	1437456_x_at	0.004674	3204.17	2800.17	Ythdf1	BB332410
1091	1422470_at	0.004675	4896.73	3745.27	Bnip3	NM_009760
1092	1423097_s_at	0.004683	1255.63	808.83	Capn7	BQ257745
1093	1453061_at	0.004686	968.87	694.47	2610018007Rik	AK011449
1094	1434819_at	0.004687	1541.03	841.97	St6gal2	BB709312
1095	1427074_at	0.004706	2675.1	1897.47	Pcmtd2	BM117243

Table 11

Table 11

1096	1436533_ _afc	0.004728	944.6	608.	Trove2	BQ176653	M 01383E
1097	1423627] at	0.004734	178.93	.114. 73	Nqo1	AV158882	NM_008706
1098	1459661. at	0.004742	118.37	88.93		AW492955	AW492955
1099	1419469] _at	0.00475	866.13	615. 93	Gnb4	BI713933	NM_013531
1100	1424025 at	0.00475	422.9	302. 53		BC013529	NM_145418
1101	1436483] at	0.00475	4160.43	2851 .43	Mytl1	BM116113	NM_008666
1102	1449465 t	0.004761	4209.83	3532 .57	Rein	NM_011261	NM 011261
1103	1455070 _at	0.004763	2081.83	1475 .17		AL118268	BF730353
1104	1429050 "at	0.004764	525.4	-376. 2	Chic2	AK015681	NM_028850
1105	1426272 *_at	0.004767	1217.63	1042 .81	Lmbrl	BG070844	NM_020295
1106	1457979 "at	0.004776	1955.2	1559 .83		BM938335	
1107	1416765] _s_at	0.004777	2785 -.43	2130 .37		MGI:1913699	NM_025571
1108	1452318 _a_at	0.004799	441. 53	184. 37	Hspalb	M12573	NM_010478
1109	1454851 "_at	0.004803	4625.67	3909 .07	Nr2c2	AV162817	NM_011630
1110	1451074_ at	0.00481	2963.03	2353	Rnf13	AF037205	NM_011883
1111	1435177] _a_at	0.004825	4086 .47	3444		Anapc5	BP019960
1112	1448144] "at	0.004846	505.33	371. 2	Hnrpab	HMJDlO 448	NM_010448
1113	1417435] "at	0.004855	5036.9	4390	Large	BG261907	NM_010687
1114	1441276_ _at	0.004876	323.87	258. 67	Ptprk	AV174021	NM_008983
1115	1435060] at	0.00488	3855.1	2783 .5	Tmod2	BB667124	NM 016711
1116	1435930] _at	0.004884	1285.23	1071 .63	Zfp291	BQ175997	XM_620753
1117	1422442_ _at	0.004892	2518.6	2013 .13	Smul	NM_021535	NM 021535
1118	1452718] _at	0.004894	3116.67	2681 .67	Eddl	BG073486	XM_196130
1119	1429883 "at	0.004901	1490.43	1153 .53	Tmera57	AK003528	NM_025382
1120	1454892] at	0.004911	3218.43	2370 .47	Pitpnb	AW543558	NM_019640
1121	1417 844~]at	0.004915	821.43	581. 6	Med4	NM_026119	NM_ 026119
1122	1438494]]]at	0.004919	595.6	473.	Hrhl	BB051552	NM_008285
1123	1449261 "_at	0.00492	429.8	303. 97	Pbx2	NM_017463	NM_017463
1124	1427005] _at	0.004925	5693.37	4420	Plk2	BM234765	NM_152804
1125	1428652_ _at	0.004942	1557.27	1147 .57	0610010F05Rik	BB469274	NM 027860
1126	1457490_ at	0.004948	490.93	329. 83	B230218L05Rik	BB304331	NM_207260
1127	1435348 at	0.004954	337.67	258. 17	D930009K15Rik	BQ177188	
1128	1416072]]at	0.004959	2331.27	-1944 .23	Cd34	NM_133654	NM_133654
1129	1435618]]at	0.004959	1886.93	1387 .9	Pnma2	BB473446	NM_175498
1130	1452616] _s_.at	0.i00496	1009 .73	739. 3	Ssbpl	BG073014	NM 028358 /// NM_2124
1131	1451348] _at	0.004963	431.23	243. 83	Depdc6	BC004774	NM 145470
1132	1452065_ at	0.004971	3142.17	1886 .7	BC027127	BB085570	NM_145967
1133	1426382]]at	0.004976	1959.43	1672 .2	Ppmlb	AJ271833	NM 011151
1134	1439825_ _at	0.004977	92.87	47.5	Dtx31	BB705351	NM_001013371
1135	1417027 "at	0.00499	5351.37	4600 .53	Trim2	BB283676	NM 030706

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1136	1429244_at	0.004991	790.57	574.3	2610524H06Rik	AW494389	NM_181075
1137	1435103_x_at	0.005008	2084.5	1866.2	Farslb	AV116958	NM_011811
1138	1419546_at	0.005011	7774.2	6259.87	Atp[illegible]	AA987147	NM_025494
1139	1416465_a_at	0.005014	6799.71	5160.03	Vapa	BB037317	NM_013933
1140	1419994_s_at	0.005025	1339.17	1102.93	D10Ertd641e	AU015124	NM_025514
1141	1436317_at	0.005034	776	526.47	D230012E17Rik	BM115569	
1142	1450758_at	0.005042	109.97	79.57	Cntnap2	AU079588	NM_001004357
1143	1459985_at	0.005045	1721.67	1435.07	Wdr61	NM_023191	NM_001025375 /// NM_001025376 /// NM_023191
1144	1455618_x_at	0.0050[illegible]	1239.27	759.87	Tspan33	BI440178	NM_146173
1145	1417223_at	0.005075	1590.97	1397.31	Cd2bp2	NM_027353	NM_027353
1146	1418749_at	0.005079	6797.33	6110.91	BC003498	[illegible]	NM_030263
1147	1418822_a_at	0.005093	2228.93	1965.8	Arf6	BI248938	NM_007481
1148	1450684_at	0.005101	962	637.13	[illegible]	NM_007960	NM_007960
1149	1460588_at	0.00513	450.5	270.8	[illegible]	BE457506	[illegible]
1150	1416790_a_at	0.005163	1729.5	1511.83	[illegible] /// LOC434200 /// LOC545124	[illegible]	NM_011561 /// NM_172552 /// XM_485951 /// XM_619343
1151	1423095_s_at	0.005164	2650.63	1990.21	Crbn	AV156594	NM_021449 /// NM_175357
1152	1433939_at	0.005164	1268.67	1006.17	A730046J16	BQ177036	[illegible]
1153	1437622_x_at	0.005171	1592.67	1193.23	Mrpl28	BB530031	NM_024227
1154	1448537_at	0.005172	1507.83	1217.17	Ttc1	NM_133795	NM_133795
1155	1455447_at	0.005178	3122.37	2586.73	D430019H16Rik	BM116882	
1156	1433710_at	0.005181	556.47	444.23	AA517853	BM208114	NM_153799
1157	1419917_s_at	0.005186	3672.3	2544.37	Tmed7	AW545765	XM_128959
1158	1455589_at	0.005193	538.1	371.03	1700100M05Rik	BF018849	[illegible]
1159	1454735_at	0.005214	742.23	629.07	Odf2	BB450471	NM_013615
1160	1458843_at	0.005225	256.83	159.11	[illegible]	BF467207	[illegible]
1161	1417893_at	0.005228	1192.2	873.97	Sfxn3	NM_053197	NM_053197
1162	1454760_at	0.005241	2516.23	1983.9	Htatsf1	AW543705	NM_028242
1163	1450021_at	0.005242	9324.5	7179.07	Ubqln2	AV171029	NM_018798
1164	1433779_at	0.005247	2836.5	2444.03	Casc4	AV311104	NM_177054 /// NM_199038
1165	1415928_a_at	0.005248	7369.37	5993.83	Map1lc3b	AU080586	NM_026160
1166	1422684_a_at	0.00526[illegible]	1994.8	1553.67	Sec8l1	NM_009148	NM_009148
1167	1428853_at	0.005276	1263.[illegible]	921.2	Ptch1	BG071079	NM_008957
1168	1423390_at	0.005279	1189.[illegible]	910.03	Siah1a	AV008871	NM_009172
1169	1455826_a_at	0.005288	1778.8	1266.37	Bace1	BB114336	NM_011792
1170	1437838_x_at	0.005296	4064.13	3042.9	Grsf1	BB223437	NM_178700
1171	1436821_at	0.005296	1443.23	1014.2	Plcxd3	BB293136	NM_177355
1172	1422869_at	0.005298	1070.97	845.53	Mertk	NM_008587	NM_008587
1173	1434468_at	0.005323	1176.31	877.73	Otud4	BM238914	XM_194424
1174	1455777_x_at	0.005324	1415.97	974.57	Hsd17b4	BB032410	NM_008292

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1175	1425966_x_at	0.005326	[illegible]	NM_178892	[illegible]	[illegible]
1176	1417701_at	0.005327	970.97	NM_145138	[illegible]	Nek9
1177	1432195_s_at	0.005328	1356.8	NM_010306	[illegible]	[illegible]
1178	1436816_at	0.005334	762.87	445.1	Nup133	[illegible]
1179	1450853_at	0.005339	[illegible]	NM_183251	BC026557	1810020D17Rik
1180	1446244_at	[illegible]	[illegible]	NM_138754	[illegible]	[illegible]
1181	1431050_at	0.005382	362.[illegible]	[illegible]	Rps6[illegible]	[illegible]
1182	1439904_at	0.005398	1160.37	[illegible]	Fst[illegible]	[illegible]
1183	1460308_a_at	0.005403	195[illegible]	[illegible]	[illegible]	[illegible]
1184	1426762_s_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1185	1438306_at	0.005405	797.2	480.[illegible]	NM_027421	[illegible]
1186	1435227_at	0.005407	1461.47	XM_486150	[illegible]	[illegible]
1187	1439259_x_at	0.005409	273[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1189	1417981_at	0.005415	1887.5	NM_183187	BF682848	[illegible]
1190	1434856_at	0.005453	454.73	317.77	E130[illegible]	[illegible]
1191	1452591_a_at	0.005453	163[illegible]	[illegible]	[illegible]	[illegible]
1192	1437559_at	0.005454	[illegible]	NM_172963	BB795266	[illegible]
1193	1435923_at	0.005457	134[illegible]	[illegible]	[illegible]	[illegible]
1194	1417387_at	0.005458	1063.6	NM_016758	[illegible]	[illegible]
1195	1448654_at	0.005472	1284.07	NM_026068	[illegible]	[illegible]
1196	1449429_at	0.005473	1478.3	NM_001005419	[illegible]	[illegible]
1197	1429053_at	0.005476	203[illegible]	[illegible]	[illegible]	[illegible]
1198	1451189_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1200	1434203_at	[illegible]	[illegible]	NM_133748	[illegible]	[illegible]
1201	1436747_[illegible]	[illegible]	[illegible]	NM_133748	AV257512	[illegible]
1202	1448694_at	0.005518	129[illegible]	[illegible]	[illegible]	[illegible]
1203	1434251_at	0.005523	1738.37	1490.13	[illegible]	[illegible]
1204	1429461_at	0.005524	809.3	566.9	281[illegible]	[illegible]
1205	1454751_at	0.005524	424.[illegible]	[illegible]	[illegible]	[illegible]
1206	1427984_at	0.005525	292.[illegible]	[illegible]	[illegible]	[illegible]
1207	1416857_at	0.005534	3188.37	247[illegible]	[illegible]	[illegible]
1208	1426759_at	0.005535	2920.03	242[illegible]	[illegible]	[illegible]
1209	1436715_s_at	0.005538	621[illegible]	[illegible]	[illegible]	[illegible]
1210	1451381_at	0.005542	869.23	NM_011600	[illegible]	[illegible]
1211	1445574_at	0.005543	489.9	378.[illegible]	[illegible]	[illegible]
1212	1428645_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1213	1424094_at	0.00556	860[illegible]	[illegible]	[illegible]	[illegible]
1214	1426721_s_at	0.005564	NM_019639	[illegible]	[illegible]	[illegible]

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1215	1437875	at	.005566	1638	1451.97	Bicd2	AV328403	NM_029791
1216	1454966 "	]at	.005568	202.3	120.13	Itga δ	BQ175493	NM_001001309
1217	144393l]	_at	.005581	93.1	61.3	Zfp617	AW548399	NM_133358
1218	1428824_	]at	.005585	1098.63	995.6	2310003C23Rik	AK009106	NM_029607
1219	1445546_	]at	.005585	226.77	116.43	AI8.44685	AI844685	
1220	1459807]	_x_at	0.00559	4793	1923	4933406E20Rik	BB306202	NM_028944
1221	1426165_	_a_at	0.005591	123.83	84.93	Casp3	D86352	NM_009810
1222	1426668_	t	0.005602	3873.43	3004.77	Slc30a9	BB117951	NM_178651
1223	1450149]	_a_at	0.005605	10747.77	8460.27	PpplCC	LOC434233	NM_013636
1224	145496θ"	at	0.00563	1557.9	1348.5	Smad3	BI646741	NM_016769
1225	1456383]	at	0.00565	951.77	812.23	Rslldl	BM239987	NM_025546
1226	1441259_	s_at	0,005666	974.67	647.63	Wdrl0	C86139	NM_031177
1227	1418186]	t	0.005672	465.3	368.97	Gsttl	BC012254	NM_008185
1228	1434075_	at	0 005S73	4625.87	3612.97	BC030336	AV374294	XM_133786
1229	1433476]	at	0 005681	4442.1	3456.87	C78339	BG075168	XM_127312
1230	1429194_	t	0 005687	475.17	329.07	Tigd2	BB373351	XM_144820
1231	1439785]	at	0 005689	48.3	27.67	9630013A20Rik	BB126284	
1232	143615s]	at	0 005692	1118.03	847.5	Ccarl	AW53804 9	NM_026201
1233	1435392]	at	0 005698	528.43	414.03	Wdrl7	BB277182	NM_028220
1234	1433752_	.s_at	0.005708	1567.33	1134.93	D030016E14Rik	BG076254	NM 177240
1235	1450223 "	at	0 005716	187.23	102.13	Apafl	NM_009684	NM_009684
1236	1456019]	at	0 005719	534.33	308.43	Cwfl912	AV370154	NM 027545
1237	1427075_	_s_at	0.005723	1602.27	1033.37	Pcmtd2	BM117243	NM 153594
1238	1428914]	at	0 005725	972. 87	744.67	2310014DllRik	AK009333	
1239	1436729_	at	0 005729	844. 5	649.47	2600003E23Rik	AV328634	NM_027373
1240	1441498]	at	0 005737	200.67	99.03	Ptprd	AW546318	NM_001014288 /// NM_011211
1241	1423686_	a_at	0.005744	1230.47	1161.97	1110020C13Rik	BC016234	NM 025385
1242	1439438_	a_at	0.005755	2098.83	1500.63	1110005A23Rik	AV084012	NM 025364
1243	1434757_	at	0 005759	1533.27	1269.37	Cbfa2t2h	BG070774	NM_172860
1244	1439035 "	at	0 005762	1240.67	873.87	Zfp322a	BG075830	NM_172586
1245	1456596_	at	0 005791	141.97	100.7	6430550H21Rik	BB093996	NM 172930
1246	1458273~	_at	0 005799	313.23	231	Hnrpd	AI843818	NM_007516
1247	1452929_	]at	005806	2411,2	1943.4	Rsn	AK003546	NM_019765
1248	1436918~	]at	005812	1655.1	1127.6	4932442E05Rik	BE374941	
1249	1440911_	]at	005826	208.33	121.3	Col23al	AI429655	NM_153393
1250	1416488_	t	005829	1352.57	913.33	Ccng2	U95826	NM_007635
1251	1426593_	_a_at	0.00584	1811.03	1347.03	Fbxo22	BB756840	NM 028049
1252	1448308_	t	0.00584	747.77	570.77	Ap3ml	AF242857	NM_018829
1253	1452876_	_x_at	0.005849	177.57	97.43	2610044O15Rik	AK011776	NM 153780
1254	1456790~	at	0 005849	250.77	122.23	AA407452	BB139169	XM 145140

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Table 11

Table 11

1255	1460319_at	0.005855	2384.77	
1256	1422912_at	0.005861		
1257	1423567_a_at	0.005866	3718.47	3123.
1258	1437284_at	0.005867	833.8	539.03
1259	1451193_x_at			
1260	1437920_at	0.00588	1106	
1261	1423285_at	0.005891	690.23	
1262	1438631_x_at	0.005892	700.4	483
1263	1455225_at	0.005894	3558.2	2879.27
1264	1449068_at	0.005912	2079	
1265	1417007_a_at	0.005913		
1266	1433645_at	0.005923	1425.63	
1267	1434881_s_at	0.00		
1268	1419543_a_at	0.005945	1773.23	1555.
1269	1428280_at	0.005946	863.97	708.4
1270	1433794_at	0.005958	2653	
1271	1437239_x_at	0.00596	1418.77	1057
1272	1435167_at	0.005		
1273	1452700_s_at	0.00		
1274	1427275_at	0.005973		
1275	1451202_at	0.005975	1677	
1276	1457709_a_at	0		
1277	1434383_at	0.00598	11399.57	
1278	1437481_at	0.005983	416.	
1279	1419394_s_at	0.005988	421.	
1280	1441905_x_at	0.006005		
1281	1434172_at	0.006006		
1282	1451151_s_at	0.00		
1283	1423201_at	0.006019	3129.27	
1284	1450769_s_at	0.006033		
1285	1453160_at	0.006033	1466	
1286	1455169_at	0.006048		
1287	1458585_at	0.006049	527.77	347.
1288	1448756_at	0.006052	375.6	111.
1289	1442465_s_at	0.006062	1811	
1290	1433524_at	0.006065	2245.23	
1291	1434728_at	0.006076	4402.53	3425
1292	1428103_at	0.006087	2578	
1293	1456279_a_at	0.00609	1651.67	
1294	1451221_at	0.006096	838.03	

Table 11

1295	1433864_at	0.006113	1509.63	1212	Lrp12	AV254798	NM_172814
1296	1450760_a_at	0.006123	334.93	243.43	Ing3	BB020556	NM_023626
1297	1426459_s_at	0.006127	2399.8	1937.5	AW549877	BG073457	NM_145930
1298	1455468_at	0.006143	703.47	502.33	9330164H19Rik	BB768758	NM_178704
1299	1448635_at	0.006144	333.03	242.77	Smc2l1	NM_008017	NM_008017
1300	1460597_at	0.006149	341.57	232.03	Asxl2	AV312178	NM_172421
1301	1457046_s_at	0.006184	183.17	109.97	C77370	BB545241	XM_205178
1302	1418071_s_at	0.00621	468.23	339.23	Cdyl	AF081260	NM_009881
1303	1423229_at	0.006225	399.23	311.27	Inpp5e	BM217803	NM_033134
1304	1452341_at	0.006241	1455.37	1322.83	Echs1	BI111416	NM_053119
1305	1439046_at	0.00625	417.63	347.37	AI851076	AV376983	NM_001012309
1306	1452675_at	0.006257	706.47	584.43	Rbm22	BB758922	XM_619541
1307	1420196_s_at	0.006261	2902.93	2120.6	Tbc1d14	C77429	NM_133910
1308	1435879_at	0.006263	2277.47	2040.8	Akt3	BB521695	NM_011785
1309	1428935_at	0.006279	433	313.63	Canx	AI988026	NM_007597
1310	1424004_x_at	0.006312	803.73	561.17	4930444A02Rik	BC027296	NM_029037
1311	1429651_at	0.00632	3214.73	2737.7	Phactr3	AV339670	NM_001007154 /// NM_028806
1312	1445676_at	0.006323	1206.33	628.73	Kcnn2	BB130001	NM_080465
1313	1416983_s_at	0.006329	668.13	467.83	Foxo1	AI462296	NM_019739
1314	1416659_at	0.006334	2326.27	2010.27	Eif3s10	AW701127	NM_010123
1315	1448733_at	0.006334	1313.33	780.43	Pcgf4	M64279	NM_007552
1316	1451507_at	0.006337	9737.8	8382.9	Mef2c	BB280300	NM_025282
1317	1437874_s_at	0.006342	4515.8	3147.9	Hexb	AV225808	NM_010422
1318	1435311_s_at	0.00635	677.07	429.23	Fbxo7	AV327590	NM_153195
1319	1424280_at	0.006363	633.5	525.57	Mospd1	BC018329	NM_027409
1320	1452095_a_at	0.006365	637.43	412.77	H47	AK005204	NM_024439
1321	1452730_at	0.006368	636.73	531.2	1110033J19Rik	AK004068	NM_025405
1322	1456253_s_at	0.006371	509.3	407.8	Plekhn1 Klhl17	BB448454	NM_001008233 /// NM_198305
1323	1436735_at	0.006374	445.6	326.6	Nsun3	BB769111	NM_178925
1324	1429514_at	0.00639	6845.63	5186.83	Ppap2b	AW111876	NM_080555
1325	1426531_at	0.006393	3240.77	2906.33	Zmynd11	BB832996	NM_144516
1326	1415941_s_at	0.006402	1305.3	1035.37	Zfand2a	NM_133349	NM_133349
1327	1451570_a_at	0.006407	3811.37	3080.57	6720467C03Rik	BC020162	NM_026558
1328	1455538_at	0.006416	5016.87	4004.33	6330403M23Rik	BM200963	---
1329	1420131_s_at	0.006427	1171.33	928.1	Pttg1ip	AU018448	NM_145325
1330	1438580_at	0.006436	949.43	702.57	---	BB018109	---
1331	1460429_at	0.006439	2356.97	2002	Cdc51	AK004547	NM_152810
1332	1448224_at	0.006459	1102.33	860.47	Tfam	NM_009360	NM_009360
1333	1428279_a_at	0.006461	458.87	315.37	Atxn7l4	AK013145	NM_028139
1334	1450973_s_at	0.006462	926.2	663.33	Mapkbp1	BQ174980	NM_011941

Table 11

1335	1431076_at	0.006468	6087.93	4786.9	Add2	BG976853	NM_013458
1336	1424114_s_at	0.006476	259.7	144.07	Lamb1-1	BG970109	NM_008482
1337	1434108_at	0.006479	2173.3	1652.2	Fbxo11	BM250164	XM_110248
1338	1416631_at	0.00648	317.73	236.13	Ap4b1	NM_026193	NM_026193
1339	1435626_a_at	0.006508	1541.27	1065	Herpud1	AI835088	NM_022331
1340	1434173_s_at	0.006515	1674.37	1249.07	D19Bwg1357e	AW324123	NM_177474
1341	1439387_x_at	0.006519	893.13	621.43	2310061F22Rik	BB253397	XM_134537
1342	1415724_a_at	0.00652	3844.17	3161.87	Cdc42	AV000235	NM_009861
1343	1428543_at	0.006521	217.07	147.63	Ppat	AV305746	XM_620209
1344	1418225_at	0.006526	557.23	486.7	Orc2l	BB830976	NM_001025378 /// NM_008765
1345	1444531_at	0.006545	684.9	410.7	Sod2	AI847438	NM_013671
1346	1447905_x_at	0.006548	2701.47	2340.53	Nup62	BB331755	NM_053074
1347	1455951_at	0.006561	1105.37	861.4	Mars	BM211104	NM_001003913
1348	1428198_at	0.006569	374.4	300.53	4930578F03Rik	AK016299	XM_485055
1349	1434120_a_at	0.006583	3119	2508.1	Metap2	AW742814	NM_019648
1350	1455317_at	0.006615	2618.7	1992.63	Epc2	BB034610	NM_172663
1351	1426994_at	0.006618	2402.53	2086.1	Phlpp	BC024670	NM_129968
1352	1422541_at	0.006631	958.6	764	Ptprm	NM_008984	NM_008984
1353	1427126_at	0.006636	207.13	130.83	Hspa1b	M12573	NM_010478
1354	1417846_at	0.006637	1469.47	1239.3	Ulk2	NM_013881	NM_013881
1355	1456535_at	0.006638	1216.53	910.27	Vps13c	AV372341	XM_620758
1356	1429389_at	0.006639	476.27	326.27	Setmar	AK017895	NM_178391
1357	1417140_a_at	0.006643	711.8	476.07	Ptpn2	NM_008977	NM_008977
1358	1441815_at	0.006651	1904.4	1469.73	AI851453	AI851453	---
1359	1428448_a_at	0.006657	660.53	471.7	Gtf3c2	AV297256	NM_027901
1360	1453583_at	0.006686	301.73	196.23	Zzef1	AI466222	XM_111053
1361	1423759_a_at	0.006704	2108.77	1688.23	Tmco1	BC020098	NM_026831
1362	1435078_at	0.006712	2868.17	2584.97	3526402J09Rik	BQ173895	---
1363	1448848_at	0.006714	851.93	663.1	Tor1b	BB004887	NM_133673
1364	1418109_at	0.00672	890.23	607.1	Gspt2	NM_008179	NM_008179
1365	1448958_at	0.00672	538.87	380.73	MGI:1929890	NM_022329	NM_022329
1366	1449732_at	0.006739	314.9	242.97	Zipro1	AI326272	NM_011757
1367	1460180_at	0.006744	2303.73	1968.77	Hexb	NM_010422	NM_010422
1368	1423046_s_at	0.006745	1472.03	1220.67	Ncbp2	BE285362	NM_026554
1369	1437837_x_at	0.006745	2853.37	1957.03	Poldip3	BB377698	NM_178627
1370	1426484_at	0.006748	400.87	317.87	Ubxd2	AI788596	NM_026390
1371	1424489_a_at	0.006759	424.13	340.07	Trit1	BC019812	NM_025873
1372	1423883_at	0.006768	1756.53	1411.83	Acsl1	BC006692	NM_007981

Table 11

1373	1452147_at	0.006774	1757.8	1419.9	Sec24c	BM118985	NM_172596
1374	1459253_at	0.006777	603.37	371.57	Tm2d2	AW556597	[illegible]
1375	1435661_at	0.006786	1115.27	889.73	Als2cr4	BB018660	XM_355201
1376	1423922_s_at	0.006794	684.42	478.03	C77668	BC003209	NM_145540 /// NMJL78876
1377	1455516_at	0.006812	1876.03	1529.83	A330102K23Rik	BG065199	NM_153409
1378	1456199_x_at	0.006823	3860.87	3257.87	Ranbp9	BB106402	NM_019930
1379	1455788_x_at	0.006828	2807.93	2052.8	Poldip3	BB495487	NM_178627
1380	1423302_a_at	0.006841	315.5	264.17	Paxipl	AW742928	NM_018878
1381	1417644_at	0.006842	340.1	279.23	Sspn	BC021484	NM_010656
1382	1425554_a_at	0.006842	1657.8	1227.5	Cdclβ	BC026606	NM_027276
1383	1455381_at	0.006842	759	412.1	4921513D23Rik	AV254721	
1384	1452285_a_at	0.00685	6024.4	5163.4	Eif3s5	AK002778	NM_025344
1385	1416018_at	0.006854	1169.43	646.1	Dr1	NMJ326106	NM_026106
1386	1434084_at	0.006862	1220.27	767.17	5730601F06Rik	BF142017	XM_486197
1387	1428493_at	0.006871	410.67	343.33	2610511M17Rik	AK012129	
1388	1448505_at	0.00689	3151.33	2364.27	MGI:1927354	NM_020558	NM_020558
1389	1434456_at	0.006891	2497.67	2041.97	Gm440	BG075955	NM_198620
1390	1434972_x_at	0.006898	3487.07	2493.23	Sfrs1	BG071935	NM_173374
1391	1428277_at	0.006915	1463.4	1101.3	OtudSb	AK011203	NM_152812
1392	1419460_at	0.006916	790.73	627.87	Rppl4	BI455861	NM_025938
1393	1428724_at	0.006922	450.5	353.27	Pcfll	BB283573	NM_029078
1394	1437526_x_at	0.006953	3049.9	1762.87	Hnrpr	BB044174	NM_02S871
1395	1435486_at	0.006953	2957.5	2394.07	Pak3	BQ175796	NM_008778
1396	1458268_s_at	0.006978	269.23	149	Igfbp3	AI649005	NM_008343
1397	1428910_at	0.00698	2511.47	1693.57	2310022B05Rik	BI328156	NM_175149
1398	1415770_at	0.006987	3259.7	1822.8	Wdr6	NM_031392	NM_031392
1399	1449718_s_at	0.006991	122.7	86.93	4930453N24Rik	AI649104	XM_148353
1400	1438420_at	0.007009	931.83	719.9	Rnpc2	AV019076	NM_133242
1401	1424802_a_at	0.007013	4132.3	3010.57	3300001P08Rik	AW536179	NM_026313
1402	1426002_a_at	0.00702	345	250.07	Cdc7	AB018574	NM_009863
1403	1418332_a_at	0.007031	3228.23	2599.63	Agtpbpl	NM_023328	NM_023328
1404	1448253_at	0.007036	4614.67	3517.07	Gludl	NM_008133	NM_008133
1405	1416197_at	0.00704	1846.63	1536.93	Snrplc	NM_011432	NMJ511432
1406	1452380_at	0.007069	692.02	53S.7	Epha7	BB075797	NM_010141
1407	1435014_at	0.007079	1499.93	1012.77	Rab39b	AV162168	NM_175122
1408	1424895_at	0.007081	345.47	295.2	Gpsm2	BC021308	NM_029522
1409	1453282_at	0.007092	1048.77	752.37	Cxadr	BE824924	NM_001025192 /// NM_009988
1410	1434196_at	0.007098	600.47	435.27	Dnaja4	BQ176119	NM_021422
1411	1433473_x_at	0.007101	1140.1	952.63	Tm2d2	BB815513	HM_027194
1412	1460303_at	0.007122	2240.6	1644.1	Nr3cl	NM_008173	NM_008173

Table 11

1413	1439399_a_at	[illegible]	[illegible]	[illegible]	[illegible]
1414	1434132_at	0.007131	[illegible]	[illegible]	[illegible]
1415	1424993_at	0.007132	2108.6	[illegible]	[illegible]
1416	1423717_at	0.007142	2493.1	[illegible]	[illegible]
1417	1428313_at	0.007148	[illegible]	[illegible]	[illegible]
1418	1456120_at	0.007149	1093.17	727.63	[illegible]
1419	1433675_at	0.007155	[illegible]	[illegible]	[illegible]
1420	1423451_at	0.007162	11582.43	9626.13	Pgrmc1
1421	1438096_a_at	0.007176	[illegible]	[illegible]	[illegible]
1422	1437213_at	0.007177	[illegible]	[illegible]	[illegible]
1423	1422881_s_at	0.007209	[illegible]	[illegible]	[illegible]
1424	1417594_at	0.007219	[illegible]	[illegible]	[illegible]
1425	1419812_s_at	0.007221	5250.13	[illegible]	[illegible]
1426	1455082_at	0.007242	[illegible]	[illegible]	[illegible]
1427	1428080_at	0.007246	[illegible]	[illegible]	[illegible]
1428	1455505_at	0.007246	[illegible]	[illegible]	[illegible]
1429	1429434_at	0.007251	539.33	364.13	[illegible]
1430	1452240_at	0.007252	7188.73	[illegible]	[illegible]
1431	1456600_a_at	[illegible]	[illegible]	[illegible]	[illegible]
1432	1454926_at	0.007268	5089.03	[illegible]	[illegible]
1433	1455365_at	0.007276	[illegible]	[illegible]	[illegible]
1434	1452880_at	0.00728	[illegible]	[illegible]	[illegible]
1435	1416440_at	0.007285	[illegible]	[illegible]	[illegible]
1436	1441079_at	0.007289	[illegible]	[illegible]	[illegible]
1437	1434892_x_at	0.007294	[illegible]	[illegible]	[illegible]
1438	1439630_x_at	[illegible]	[illegible]	[illegible]	[illegible]
1439	1417077_at	0.007319	1535.97	[illegible]	[illegible]
1440	1438441_at	0.007346	[illegible]	[illegible]	[illegible]
1441	1428113_at	0.00735	1631.77	[illegible]	[illegible]
1442	1456615_a_at	[illegible]	[illegible]	[illegible]	[illegible]
1443	1429281_at	0.007391	[illegible]	[illegible]	[illegible]
1444	1454894_at	0.007403	[illegible]	[illegible]	[illegible]
1445	1434982_at	0.007468	[illegible]	[illegible]	[illegible]
1446	1437807_x_at	0.007478	1690.5	[illegible]	[illegible]
1447	1437542_at	0.007482	[illegible]	[illegible]	[illegible]
1448	1455187_at	0.007487	192.07	[illegible]	[illegible]
1449	1449348_at	0.007503	1356.43	[illegible]	[illegible]
1450	1448210_at	0.007504	[illegible]	[illegible]	[illegible]
1451	1436870_s_at	[illegible]	[illegible]	[illegible]	[illegible]
1452	1416856_at	0.007522	1049.83	835.53	[illegible]

Table 11

1453	1460292_a_at	0.007524		
1454	1424104_at	0.007526		
1455	1433519_at	0.007528		
1456	1433507_a_at	0.007542	7809.8	
1457	1416861_at	0.007548	1594.93	
1458	1444039_at	0.007555	156.4	
1459	1438134_at	0.007563		
1460	1427208_at	0.007584	646.2	542.9
1461	1428468_at	0.007597	871	706.37
1462	1454937_at	0.007609	1408.43	1036.4
1463	1456205_x_at	0.007612		
1464	1434310_at	0.007618		
1465	1433615_at	0.007628	189.43	
1466	1437525_a_at	0.007631		
1467	1431367_at	0.007633	508.03	300.6
1468	1448167_at	0.007645	407.33	258.3
1469	1423998_at	0.007649	306.27	
1470	1416308_at	0.007662	957.37	
1471	1455816_a_at	0.007671		
1472	1429454_at	0.007691	3124.4	
1473	1452158_at	0.007702		
1474	1456058_at	0.007703		
1475	1432813_at	0.007723	857.43	510
1476	1429166_s_at	0.007744		
1477	1435668_at	0.007748	822.1	613
1478	1457133_at	0.007765	326.23	
1479	1455746_at	0.007782		
1480	1423301_at	0.007801		
1481	1448670_at	0.007803	6369.87	
1482	1435088_at	0.007814		
1483	1439011_at	0.007817		
1484	1424166_at	0.007845		
1485	1433909_at	0.007861	765.3	542.07
1486	1436915_x_at	0.007866		
1487	1418119_at	0.00787	1503.33	1191.77
1488	1448273_at	0.007873	301.1	
1489	1455141_at	0.007886		
1490	1433463_at	0.007889		
1491	1424358_at	0.007899	2217.67	
1492	1452353_at	0.007914		

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Table 11

1493	1420157_s_at	0.007928	1239.7	976.47	NM_029037	4930444A02Rik
1494	1438650_x_at	0.007946	4896.67	1727.87	NM_026898	Wdr53
1495	1424136_a_at	0.007962	411.2	307.6	NM_018883	Ppih
1496	1443401_at	0.007969	331.17	276.5	NM_023740	Astn2
1497	1456089_at	0.007971	637.6	496.53	NM_001003948	[illegible]
1498	1429189_at	0.007983	4793.43	4103.07	NM_009273	Srp14
1499	1456379_x_at	0.007984	3194.5	1980.47	NM_010160	Cugbp2
1500	1434788_at	0.007991	4372.83	3758.6	NM_009506	Vegfc
1501	1443935_at	0.007994	1141.87	916.6	NM_011247 /// NM_175023	Rbbp6
1502	1438528_at	0.007997	214	186.4	XM_489188	Pcm1
1503	1448181_at	0.008002	741.97	427.97	NM_016760	Klf15
1504	1448315_a_at	0.008002	697.5	558.13	---	---
1505	1426799_at	0.008016	2005.23	1395.2	NM_030015	[illegible]
1506	1435547_at	0.008023	5826.5	4744.53	XM_620260	[illegible]
1507	1435465_at	0.008028	3771.43	3236.57	NM_011971	[illegible]
1508	1457990_at	0.008031	1081.73	884.33	NM_153806	[illegible]
1509	1422467_at	0.008052	2616.93	1933.37	NM_021450	Trpm7
1510	1426682_at	0.008052	2167.23	1845.5	NM_025618	Cnot6
1511	1448125_at	0.008061	2824.87	2323.6	XM_144905	Rit2
1512	1423328_at	0.008062	4643.63	3456.9	NM_146203	[illegible]
1513	1424916_x_at	0.008068	255.3	183.57	NM_010267	Gdap1
1514	1428808_at	0.008081	5112.27	4484.43	NM_009065	Prickle2
1515	1423155_at	0.008087	754.5	655.53	NM_212484	Sri
1516	1416799_at	0.008102	898.77	590.43	[illegible]	[illegible]
1517	1437490_x_at	0.008108	810	557.97	XM_618798	[illegible]
1518	1417052_at	0.008112	2309.2	2050.23	XM_486083	Psmb3
1519	1457139_at	0.008112	2039.13	1547.53	NM_153588	[illegible]
1520	1431060_at	0.00812	91.23	42.57	NM_173413	[illegible]
1521	1452982_at	0.008121	1612.13	1342.03	NM_133705	[illegible]
1522	1444328_at	0.008125	308.1	252.53	NM_023184	Clta
1523	1447923_at	0.008126	685.8	533.1	[illegible]	1810026B05Rik
1524	1425115_at	0.008147	1458.33	1167.07	XM_140041	[illegible]
1525	1439766_x_at	0.008165	86.13	52.83	[illegible]	Vegfc
1526	1450069_a_at	0.008168	2968.47	2323.57	NM_152915	Dner
1527	1455939_x_at	0.008174	6378.07	5316.7	NM_027923	[illegible]
1528	1436999_at	0.008183	1021.4	813.17	NM_030731	[illegible]
1529	1421115_a_at	0.008192	699.93	558.93	NM_019514 /// NM_207109	[illegible]
1530	1418954_at	0.008206	1662	1373.33	NM_028677 /// XM_484589 /// XM_485828	[illegible]
1531	1428840_s_at	0.008206	414.8	304.73	NM_010288	Gja1
1532	1424003_at	0.008239	693.63	501.17	NM_013854	Abcf1

Table 11

1533	1447936_at	0.008249	1313.23	814.93	2410006H16Rik	AA939619	---
1534	1434320_at	0.008256	974.67	812.4	Gtf3c4	AV221508	NM_172977
1535	1460179_at	0.008258	8041.77	6880.6	Dnaja1	BF141076	NM_008298
1536	1448835_at	0.008263	719.23	562.93	E2f6	NM_033270	NM_033270
1537	1434037_s_at	0.008278	778.77	598.93	Pcaf	AV094898	NM_020005
1538	1424427_at	0.008292	1107.93	913.97	Tada1l	BC027337	NM_030245
1539	1456135_s_at	0.008297	488.23	307.27	Pxn	BB530368	NM_011223 /// NM_133915
1540	1440147_at	0.008315	1295.93	973.17	Lgi2	BM118120	NM_144945
1541	1423577_at	0.00832	378.97	314.37	Ankrd32	BE653749	NM_134071
1542	1421923_at	0.008337	443.87	358.07	Sh3bp5	BQ179335	NM_011894
1543	1438157_s_at	0.008339	1268.9	779.57	Nfkbia	BB096843	NM_010907
1544	1423840_at	0.008343	1476.1	1332.4	D11Ertd99e	BC026206	NM_026618
1545	1436157_at	0.008355	1612.6	1130.1	Ccar1	AW538049	NM_026201
1546	1441989_at	0.008358	366.87	228.6	Bnip2	AI481767	NM_001008238 /// NM_016787
1547	1424743_at	0.008367	382.33	309.63	2610003J06Rik	BC010800	NM_028101
1548	1423350_at	0.008373	2705.43	1625.73	Socs5	AA510713	NM_019654
1549	1455875_x_at	0.008383	7961.03	5086.83	Tm9sf2	BB131843	NM_080556
1550	1437071_at	0.008401	3028.03	2156.83	Eif1ay	BB471576	NM_025437
1551	1433571_at	0.008426	855.67	613.23	Serinc5	BQ175260	NM_172588
1552	1434590_at	0.008435	5593.67	4215.73	B230209C24Rik	BM898653	NM_177235
1553	1419100_at	0.008436	1051.57	697.13	Serpina3n	NM_009252	NM_009252
1554	1435116_at	0.008441	139.57	58.83	4933403G14Rik	BB219003	NM_028908
1555	1418128_at	0.00845	739.9	582.3	Adcy6	NM_007405	NM_007405
1556	1424800_at	0.00845	2812	2231	Enah	BQ044016	NM_010135
1557	1455827_at	0.008458	5489.9	4739.33	Mbnl2	BB003847	NM_175341 /// NM_207515
1558	1428512_at	0.00847	3148.17	2479.87	Bhlhb9	AK012577	NM_198161
1559	1436534_at	0.008478	1707.27	1271.67	Trove2	BQ176653	NM_013835
1560	1454947_a_at	0.00849	2089.37	1469.43	Ublcp1	BE335796	NM_024475
1561	1433588_at	0.0085	1088.87	886.33	D6Wsu116e	BM238232	NM_026585
1562	1422511_a_at	0.008502	1210.83	984.5	Ogfr	AW476433	NM_031373
1563	1427965_at	0.008507	2422.1	1218.2	Ssbp1	BG073014	NM_028358 /// NM_212468
1564	1449059_a_at	0.008509	9278.77	8109.4	Oxct1	NM_024188	NM_024188
1565	1455486_at	0.008509	842.03	646.27	Pias1	BM246045	NM_019663
1566	1452265_at	0.008522	2874.2	2321.17	Clasp1	AJ288061	---
1567	1428496_at	0.008533	549.27	340.2	Secisbp2	AA198634	XM_127336
1568	1455956_x_at	0.008535	891.63	649.5	Ccnd2	AV310588	NM_009829
1569	1452061_s_at	0.008538	1419	1192.2	Strbp	AK006314	NM_009261
1570	1454697_at	0.008546	4625.87	3650	Tloc1	AI226757	NM_027016
1571	1431818_at	0.008547	1223.07	974.17	1700012B15Rik	AK005891	NM_028796
1572	1455686_at	0.008561	924.67	569	---	BB077342	---

Table 11

1573	1435020_at	0.008572	3929.8	[illegible]	[illegible]
1574	1437904 at	0.00858	1310.6	1060.27	MGI:2387367 BB821609 NM 153405 /// NM [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1577	1427231_at	0.008592	421.[illegible]	[illegible]	[illegible]
1578	1459854_s_at	0.008597	4975[illegible]	[illegible]	[illegible]
1579	1434131_at	0.00861	632.[illegible]	[illegible]	[illegible]
1580	1437476_at	0.008615	660.[illegible]	[illegible]	[illegible]
1581	1428884_at	0.00863	[illegible]	[illegible]	[illegible]
1582	1419914_s_at	0.008635	3250.67	2530.2	[illegible]
1583	1434427_a_at	0.008638	[illegible]	[illegible]	[illegible]
1584	1415973_at	0.008653	4785.[illegible]	[illegible]	[illegible]
1585	1434842_s_at	0.008657	[illegible]	[illegible]	[illegible]
1586	1419286_s_at	0.00866	[illegible]	[illegible]	[illegible]
1587	1438412_at	0.[illegible]	[illegible]	[illegible]	[illegible]
1588	1427270_a_at	0.008696	[illegible]	[illegible]	[illegible]
1589	1425092_at	0.008703	1612.[illegible]	[illegible]	[illegible]
1590	1456653_a_at	0.00[illegible]	[illegible]	[illegible]	[illegible]
1591	1432042_a_at	0.008731	[illegible]	[illegible]	[illegible]
1592	1416368_at	0.008742	1377.63	1039.[illegible]	[illegible]
1593	1423508_at	0.008748	1140.33	[illegible]	[illegible]
1594	1438322_x_at	0.008755	[illegible]	[illegible]	[illegible]
1595	1419186_a_at	0.008758	[illegible]	[illegible]	[illegible]
1596	1440803_x_at	0.008762	239.[illegible]	[illegible]	[illegible]
1597	1428231_at	0.008763	2726.[illegible]	[illegible]	[illegible]
1598	1416610_a_at	0.008765	3370.07	[illegible]	[illegible]
1599	1430301_at	0.008777	1240.[illegible]	[illegible]	[illegible]
1600	1448149_at	0.008782	1716.9	[illegible]	[illegible]
1601	1438853_x_at	0.008792	[illegible]	[illegible]	[illegible]
1602	1456632_at	0.008794	[illegible]	[illegible]	[illegible]
1603	1459717_at	0.008815	[illegible]	[illegible]	[illegible]
1604	1417001_a_at	0.008825	[illegible]	[illegible]	[illegible]
1605	1436153_a_at	0.008829	5237.7	[illegible]	[illegible]
1606	1423462_at	0.008833	2003.87	[illegible]	[illegible]
1607	1448939_at	0.008836	[illegible]	[illegible]	[illegible]
1608	1460549_a_at	0.00885	543.87	[illegible]	[illegible]
1609	1420798_s_at	0.008872	[illegible]	[illegible]	[illegible] NM_001003672 /// NM_007766 /// NM_007767 /// NM 009957 /// NM 009959 /// [illegible] /// [illegible] /// NM_138662 /// NM_138663 /// NM_198117 /// NM [illegible]
1610	1416958_at	0.[illegible]	[illegible]	[illegible]	[illegible]

Table 11

1611	1449080_at	0.0089	1139.67	[illegible]	[illegible]	[illegible]	[illegible]
1612	1448548_at	0.008909	2711.53	[illegible]	[illegible]	[illegible]	[illegible]
1613	1438659_x_at	0.008922	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1615	1437687_x_at	0.00893	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1616	1434721_at	0.008961	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1617	1434371_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1618	1428362_at	0.008976	3806.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1619	1442141_at	0.008976	572.2	434.[illegible]	[illegible]	[illegible]	[illegible]
1620	1426482_at	0.008979	1844.83	[illegible]	[illegible]	[illegible]	[illegible]
1621	1433726_at	0.008987	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1622	1417269_at	0.00899	2932.97	[illegible]	[illegible]	[illegible]	[illegible]
1623	1420925_at	0.009007	2512	[illegible]	[illegible]	[illegible]	[illegible]
1624	1455993_at	0.009009	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1625	1423055_at	0.009011	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1626	1455425_at	0.009014	414.7	231.[illegible]	[illegible]	[illegible]	[illegible]
1627	1420091_s_at	0.00902	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1628	1418500_at	0.009024	2109.93	[illegible]	[illegible]	[illegible]	[illegible]
1629	1439440_x_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1630	1422743_at	0.009032	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1631	1415706_at	0.009038	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1632	1425018_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1633	1437141_x_at	0.009113	476.4	284.03	Dym	BB549381	NM_027727
1634	1435487_at	0.009115	400.37	288.83	Grid2	[illegible]	[illegible]
1635	1454608_x_at	0.009135	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1636	1424611_x_at	0.009167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1637	1429291_at	0.009167	3002.93	[illegible]	[illegible]	[illegible]	[illegible]
1638	1423293_at	0.009176	1082.3	[illegible]	[illegible]	[illegible]	[illegible]
1639	1439777_at	0.009212	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1640	1427973_s_at	0.009223	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1641	1428341_at	0.009226	1087	750.67	[illegible]	[illegible]	[illegible]
1642	1426347_at	0.009294	737.93	[illegible]	[illegible]	[illegible]	[illegible]
1643	1433859_at	0.0093	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1644	1429146_at	0.009303	1386.1	[illegible]	[illegible]	[illegible]	[illegible]
1645	1433893_s_at	0.009329	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1646	1437454_a_at	0.009334	5927.7	[illegible]	[illegible]	[illegible]	[illegible]
1647	1419653_a_at	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1648	1422649_at	0.009369	640.17	[illegible]	[illegible]	[illegible]	[illegible]
1649	1434506_at	0.00937	435.23	[illegible]	[illegible]	[illegible]	[illegible]

Table 11

1650	1423132_a_at	0.009381	1387.67	917.4	5730427N09Rik	LOC433230	BE308547	NM_021552 /// XM_484785
1651	1424873_at	0.009382	1539.93	960.3	Rnf2	BC020122	NM_011277	
1652	1424091_at	0.009393	573.5	422.87	AI449175	BC010277	NM_172754	
1653	1455434_a_at	0.009421	2035.17	1454.9	Ktn1	BF162017	NM_008477	
1654	1430474_a_at	0.009465	3060.6	2527.33	Mtch2	AK007757	NM_019758	
1655	1417010_at	0.009467	11967.63	10356.67	Zfp238	NM_013915	NM_001012330 /// NM_013915	
1656	1444077_at	0.009472	1429.33	1247.93	---	BE993694	---	
1657	1425480_at	0.009489	1571.27	1456.37	Cnot6l	BC018506	NM_144910 /// NM_178854	
1658	1439454_x_at	0.009496	2484.13	2060.37	Tm2d2	AV337733	NM_027194	
1659	1448558_a_at	0.009496	111.33	63.47	Pla2g4a	NM_008869	NM_008869	
1660	1438633_x_at	0.009498	3138.23	2185.23	Lasp1	BB377636	NM_010688	
1661	1434416_a_at	0.0095	933.57	759.87	---	BB022975	---	
1662	1437785_at	0.009517	142.93	99.7	Adamts9	AV364944	XM_620350	
1663	1428483_a_at	0.00952	202.67	146.37	2610039C10Rik	AK012762	NM_025642	
1664	1428588_a_at	0.009531	2611.87	2336.33	Mrpl41	BF134369	---	
1665	1436293_x_at	0.009546	4043.03	3718.73	D1Ertd471e	AI852300	---	
1666	1451188_at	0.009548	2989.6	2453.7	Wdr26	BC020044	---	
1667	1451302_at	0.009561	505.47	383.63	1110012L19Rik	BC024574	NM_026787	
1668	1447992_s_at	0.009573	5591.27	4321.33	Pcsk2	AI839700	NM_008792	
1669	1455351_at	0.009577	842.37	642	AU023006	AV340615	---	
1670	1428582_at	0.009595	703.47	583.3	2010208K18Rik	AK008476	NM_028095	
1671	1448100_at	0.009603	4532	3865.27	4833439L19Rik	NM_133797	NM_133797	
1672	1434441_at	0.009617	187.63	142.6	1110018J18Rik	BB525584	NM_025370	
1673	1416207_at	0.009634	873.2	748.97	Taz	NM_133682	NM_181516	
1674	1457936_at	0.009634	2251.13	1901.93	Mapk8	BB184171	NM_016700	
1675	1426977_at	0.009687	1567.1	1382.17	Usp47	BG069271	NM_133758	
1676	1425001_at	0.009689	526.03	389.77	Echdc1	BC023104	NM_025855	
1677	1423740_a_at	0.009719	1700.97	1183.53	Rbm10	BE553944	NM_145627	
1678	1456012_x_at	0.009719	1213.33	794.37	Rnaset2	AV101824	NM_026611	
1679	1438423_at	0.009722	1255.7	869.9	Ssbp2	BB085949	NM_024186 /// NM_024272	
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1681	1417356_at	0.009743	1476.7	1210.63	Peg3	AB003040	NM_001010988 /// NM_008817	
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1683	1453125_at	0.009747	598.97	312.5	Sox11	BM508495	NM_009234	
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Table 11

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1693	1454652_at	0.009811	4874.87	4090.13	Zfp265	AV221867	NM_017381
1694	1454604_s_at	0.009812	251.77	155.93	Tspan12	BB072896	NM_173007
1695	1455669_at	0.009815	372.7	320.37	Wdr19	AI415371	NM_153391
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1714	1421904_at	0.009965	838.77	[illegible]	[illegible]	[illegible]	[illegible]
1715	1437087_at	0.009978	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1716	1443932_[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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1718	1436737_a_at	0.009993	1682[illegible]	[illegible]	[illegible]	[illegible]	[illegible] NM_001034964 /// NM_009166 /// NM_178362
1719	1455470_x_at	0.009998	6182[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 11

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We claim:

1. A method for modifying plasticity or aiding restoration of function in the nervous system of a subject comprising the step of:

   administering a plasticity-modifying agent to a subject in need thereof, wherein the agent is administered either alone or in combination with one or more additional agents in an amount effective to modify nervous system plasticity, wherein the plasticity-modifying agent modulates a gene or pathway that is differentially regulated in at least a portion of the nervous system of an individual subjected to a plasticity-modifying condition.

2. The method of claim 1, wherein the condition is a neurodevelopmental disorder.

3. The method of claim 2, wherein the neurodevelopmental disorder is selected from the group consisting of autism, Rett Syndrome, Fragile X syndrome, tuberous sclerosis, or autism spectrum disorder.

4. The method of claim 1, wherein the condition is a neuropsychiatry disorder.

5. The method of claim 3, wherein the neuropsychiatry disorder is selected from the group consisting of schizophrenia and bipolar disorder.

6. The method of claim 1, wherein the condition is trauma to the nervous system caused by a condition such as stroke.

7. The method of claim 1, wherein the plasticity-modifying condition comprises dark rearing (DR) or monocular deprivation (MD).

8. The method of claim 1, wherein the plasticity-modifying agent is IGFl or a modulator of the IGFl pathway.

9. The method of claim 1, wherein the plasticity-modifying agent is a modulator of the JAK/STAT pathway.

10. The method of claim 1, wherein the plasticity-modifying agent is IFNγ.

11. The method of claim 1, wherein the plasticity-modifying agent is a statin.

12. The method of claim 1, which comprises administering a first agent that activates the IGFl pathway and a second agent that activates the JAK/STAT pathway.

13. The method of claim 1, wherein the plasticity-modifying agent inhibits development, survival, or activity of parvalbumin expressing interneurons.

14. The method of claim I, wherein the plasticity-modifying agent inhibits expression or activity of parvalbumin.

15. The method of claim 1, wherein the plasticity-modifying agent is delivered in an amount effective to enhance the capacity of the nervous system, or a portion thereof, to restore lost function in an activity-dependent manner or in response to a second agent.

16. The method of claim 1, wherein the plasticity-modifying agent is administered to a subject who has suffered damage to the nervous system or has been diagnosed with a disorder of the nervous system, and is administered in an amount and for a time effective to promote nervous system recovery, reorganization, or function.

17. The method of claim 1, wherein the step of administering comprises steps of:

(1) administering a first plasticity-modifying agent to a subject following an event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder for a first period of time;

(2) administering a second plasticity-modifying agent to the subject for a second period of time, wherein the second period of time is separate from the first period of time.

18. The method of claim 1, wherein the period of time begins within 24 hours following the event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

19. The method of claim 1, wherein the period of time begins within 1 week following the event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

20. The method of claim 1, wherein the period of time begins within 4 weeks following the event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

21. The method of claim 1, wherein the period of time begins within 6 months following the event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

22. The method of claim 1, wherein the period of time begins within 1 year following the event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

23. The method of claim 1, wherein the period of time begins within 2 years following the event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

24. The method of claim 1, wherein the period of time begins within 5 years following the event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

25. The method of claim 1, wherein the period of time begins within 10 years following the event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

26. The method of claim 17, wherein the first period of time ends upon response of the subject to the administration of the first plasticity-modifying agent.

27. The method of claim 17, wherein the first period of time ends when the subject has reached at least one desired endpoint or treatment milestone.

28. The method of claim 17, wherein the time between the end of the first period of time and the beginning of the second period of time is at least 1 week.

29. The method of claim 17, wherein the time between the end of the first period of time and the beginning of the second period of time is at least 4 weeks.

30. The method of claim 17, wherein the time between the end of the first period of time and the beginning of the second period of time is at least 6 months.

31. The method of claim 17, wherein the time between the end of the first period of time and the beginning of the second period of time is at least 1 year.

32. The method of claim 17, wherein the time between the end of the first period of time and the beginning of the second period of time is at least 2 years.

33. The method of claim 17, wherein the time between the end of the first period of time and the beginning of the second period of time is at least 5 years.

34. The method of claim 17, wherein the time between the end of the first period of time and the beginning of the second period of time is at least 10 years.

35. The method of claim 17, wherein steps 1-2 are repeated until the subject has reached at least one desired endpoint or treatment milestone.

36. The method of claim 17, wherein the first plasticity-modifying agent is identical to the second plasticity-modifying agent.

37. The method of claim 17, wherein the first plasticity-modifying agent is not identical to the second plasticity-modifying agent.

38. The method of claim 1, wherein the plasticity-modifying agent is administered between 24 hours and 10 years following an event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

39. The method of claim 1, wherein the plasticity-modifying agent is administered between 1 week and 10 years following a following an event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

40. The method of claim 1, wherein the plasticity-modifying agent is administered between 4 weeks and 10 years following a following an event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

41. The method of claim 1, wherein the plasticity-modifying agent is administered between 5 years and 10 years following a following an event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

42. The method of claim 1, wherein the plasticity-modifying agent is administered either continuously or intermittently for at least 1 week following an event that damages the brain or spinal cord or following diagnosis of a neuropsychiatric or neurodevelopmental disorder.

43. The method of claim 1, wherein the plasticity-modifying agent is administered systemically.

44. The method of claim 43, wherein the systemic administration is selected from the group consisting of oral, intravenous, intramuscular, subcutaneous, transdermal, nasal, and pulmonary administration.

45. The method of claim 1, wherein the plasticity-modifying agent is administered focally.

46. The method of claim 1, wherein the plasticity-modifying agent is administered by implanting into the subject a drug delivery device that releases the agent over a period of time at or in the vicinity of a desired location in the central or peripheral nervous system.

47. The method of claim 46, wherein the desired location is an area that shows evidence of ischemic, hemorrhagic, neoplastic, degenerative, traumatic, or neurodevelopmental damage in the central or peripheral nervous system, or is located in a brain hemisphere opposite to an area that shows evidence of such damage.

48. The method of claim 46, wherein the drug delivery device comprises a pump.

49. The method of claim 46, wherein the drug delivery device comprises a biocompatible polymer.

50. The method of claim 49, wherein the polymer is biodegradable.

51. The method of claim 1, wherein the composition comprises a plurality of polymeric microparticles or nanoparticles having the plasticity-modifying agent associated therewith.

52. The method of claim 1, wherein the plasticity-modifying agent is delivered in a solution that forms a gel following contact with physiological fluids.

53. The method of claim 1, wherein the plasticity-modifying agent is delivered in an amount effective to inhibit neural deterioration that would otherwise occur as a result of loss of inputs.

54. The method of claim 1, wherein the plasticity-modifying agent is delivered in an amount effective to promote growth or sprouting of axons, promote structural reorganization of synaptic connections, increase formation of new synaptic connections, increase dendritic spine motility, stabilize synaptic connections, or any combination of the foregoing.

55. The method of claim 1, wherein the composition is administered by injecting or infusing it at or in the vicinity of a desired location in the central or peripheral nervous system.

56. The method of claim 1, wherein the composition is administered intrathecally.

57. The method of claim 1, further comprising administering a proteolysis-enhancing agent to the subject.

58. The method of claim 57, wherein the proteolysis-enhancing agent is a protease.

59. The method of claim 57, wherein the proteolysis-enhancing agent is plasmin, a plasminogen activator, or an inhibitor of an endogenous plasminogen activator inhibitor.

60. The method of claim 57, wherein the proteolysis-enhancing agent is tissue plasminogen activator (tPA).

61. The method of claim 57, wherein the proteolysis-enhancing agent promotes degradation of a component of the extracellular matrix.

62. The method of claim 57, wherein the proteolysis-enhancing agent is administered focally.

63. The method of claim 62, wherein focal delivery is achieved by implanting a drug delivery device comprising a biocompatible polymer and the proteolysis-enhancing agent into the nervous system of the subject at or in the vicinity of an area of damage.

64. The method of claim 62, wherein the plasticity-modifying agent and the proteolysis-enhancing agent are administered as components of a single composition.

65. The method of claim 1, further comprising administering an agent selected from the group consisting of neural growth enhancing agents, which are optionally selected from among neurotransmitters or analogs thereof, neurally active growth factors, neural signaling molecules, neurally active small molecules, and neurally active metals.

66. The method of claim 1, further comprising the step of:

engaging the subject in a program of rehabilitation designed to promote functional recovery following damage to the nervous system, wherein the subject is so engaged during at least part of the time interval during which the agent is administered or remains present in the nervous system of the subject.

67. A method for promoting recovery or reorganization in the nervous system of a subject comprising the step of:

administering a plasticity-modifying agent to a subject in need thereof, wherein the agent is administered either alone or in combination with one or more additional agents in an amount effective to promote recovery or reorganization in the nervous system, wherein the plasticity-modifying agent modulates a gene or pathway that is differentially regulated in at least a portion of the nervous system of an individual subjected to a plasticity-modifying condition.

68. The method of claim *61,* wherein the plasticity-modifying condition comprises dark rearing (DR) or monocular deprivation (MD).

69. The method of claim 67, wherein the plasticity-modifying agent is a modulator of the IGFl pathway.

70. The method of claim 67, wherein the plasticity-modifying agent is a modulator of the JAK/STAT pathway.

71. The method of claim 67, wherein the plasticity-modifying agent is IFNγ.

72. The method of claim 67, wherein the plasticity-modifying agent is a statin.

73. The method of claim 67, which comprises administering a first agent that activates the IGFl pathway and a second agent that modulates the JAK/STAT pathway.

74. The method of claim 67, wherein the plasticity-modifying agent inhibits development, survival, or activity of parvalbumin expressing interneurons.

75. The method of claim 67, wherein the plasticity-modifying agent inhibits expression or activity of parvalbumin.

76. The method of claim 67, wherein the plasticity-modifying agent is delivered in an amount effective to enhance the capacity of the nervous system, or a portion thereof, to restore lost function in an activity-dependent manner or in response to a second agent.

77. The method of claim 67, further comprising administering a proteolysis-enhancing agent to the subject.

78. A method for promoting recovery or reorganization in the nervous system of a subject in need thereof comprising the step of:

administering to the subject a proteolysis-enhancing agent and an agent selected from the group consisting of: agents that activate the IGFl pathway, agents that activate the JAK/STAT pathway, agents that inhibit the development, survival, or activity of parvalbumin expressing interneurons, and agents that inhibit the expression of parvalbumin, wherein the proteolysis-enhancing agent is administered at least 3, 6, 12, 24, or more hours after a specific damaging event or diagnosis of a disorder and optionally also prior to 3 hours after the specific damaging event or diagnosis of a disorder.

79. A drug delivery device for implantation into the nervous system of a subject, the drug delivery device comprising:

a biocompatible polymer; and

a plasticity-modifying agent, wherein the plasticity-modifying agent is released from the polymer in an amount effective to modify plasticity in the nervous system of the subject.

80. The drug delivery device of claim 79, wherein the biocompatible polymer is biodegradable.

81. The drug delivery device of claim 79, wherein the plasticity-modifying agent is selected from the group consisting of: activators of the IGFl pathway, modulators of the JAK/STAT pathway, substances that inhibit survival or activity of parvalbumin

expressing interneurons in the brain, and substances that inhibit expression or activity of parvalbumin.

82. The drug delivery device of claim 79, wherein the proteolysis-enhancing agent is selected from the group consisting of: plasmin, a plasminogen activator, or an inhibitor of an endogenous plasminogen activator inhibitor.

83. A composition comprising a plasticity-modifying agent and a proteolysis-enhancing agent.

84. The composition of claim 83, wherein the plasticity-modifying agent is selected from the group consisting of: activators of the IGFl pathway, activators of the JAK/STAT pathway, substances that inhibit survival or activity of parvalbumin expressing interneurons in the brain, and substances that inhibit expression or activity of parvalbumin.

85. The composition of claim 83, wherein the proteolysis-enhancing agent is selected from the group consisting of: tissue plasminogen activator, plasmin, and inhibitors of tissue plasminogen activator.

86. A method of identifying a gene involved in plasticity comprising steps of:

evaluating an individual in or subjecting an individual to a condition that modifies nervous system plasticity;

measuring level or activity of each of a plurality of genes in at least a portion of the individual's nervous system; and

identifying one or more genes whose expression or activity is differentially regulated in the portion of the individual's nervous system relative to its expression or activity under alternative conditions.

87. The method of claim 86, wherein the condition comprises depriving at least a portion of the individual's nervous system of normal inputs.

88. The method of claim 86, wherein the nervous system is deprived of normal inputs during at least a portion of a critical period.

89. The method of claim 86, wherein the level of expression of each of a plurality of genes is measured by measuring levels of multiple different mRNAs with a microarray.

90. The method of claim 86, wherein the step of identifying is performed using a method that evaluates expression or activity in a highly parallel manner.

91. The method of claim 86, which comprises comparing the expression or activity of each of a plurality of genes in at least a portion of the individual's nervous system with the expression or activity of those genes in a subject maintained under normal conditions.

92. The method of claim 86, which comprises comparing the expression or activity of each of a plurality of genes in at least a portion of the individual's nervous system under a first deprived condition with the expression or activity of those genes in a subject maintained under a second deprived condition.

93. The method of claim 86, which comprises comparing the expression or activity of each of a plurality of genes in at least a portion of the nervous system of an individual who has been subjected to a deprived condition with the expression or activity of those genes in an individual maintained under an enriched condition.

94. The method of claim 86, which comprises comparing the expression or activity of each of a plurality of genes in at least a portion of the individual's nervous system that has been subjected to a plasticity-modifying condition with the expression or activity of those genes in an oppositely located portion of the individual's nervous system not subjected to a plasticity-modifying condition.

95. The method of claim 86, which comprises comparing the expression or activity of each of a plurality of genes in a portion of the individual's nervous system that has been subjected to a deprived condition with the expression or activity of those genes in an oppositely located portion of the individual's nervous system that has not been subjected to a deprived condition.

96. The method of claim 86, further comprising identifying a biological pathway or process enriched in genes that are differentially regulated in at least a portion of the nervous system of the individual.

97. The method of claim 86, further comprising storing information identifying at least one of the genes on a computer readable medium.

98. The method of claim 86, further comprising;

administering an agent that modulates the gene to an individual; and

determining whether the agent modifies plasticity.

99. The method of claim 86, further comprising:

administering an agent that modulates the gene to an individual who has suffered nervous system damage; and

determining whether the agent improves structural or functional recovery of the individual's nervous system.

100. A computer readable medium that stores information that identifies a set of genes whose expression or activity is differentially regulated in an individual subjected to a condition that modifies plasticity.

101. The computer readable medium of claim 78, wherein the computer readable medium further stores information that includes the absolute or relative level of expression or activity of the gene under the condition.

Fig. 1

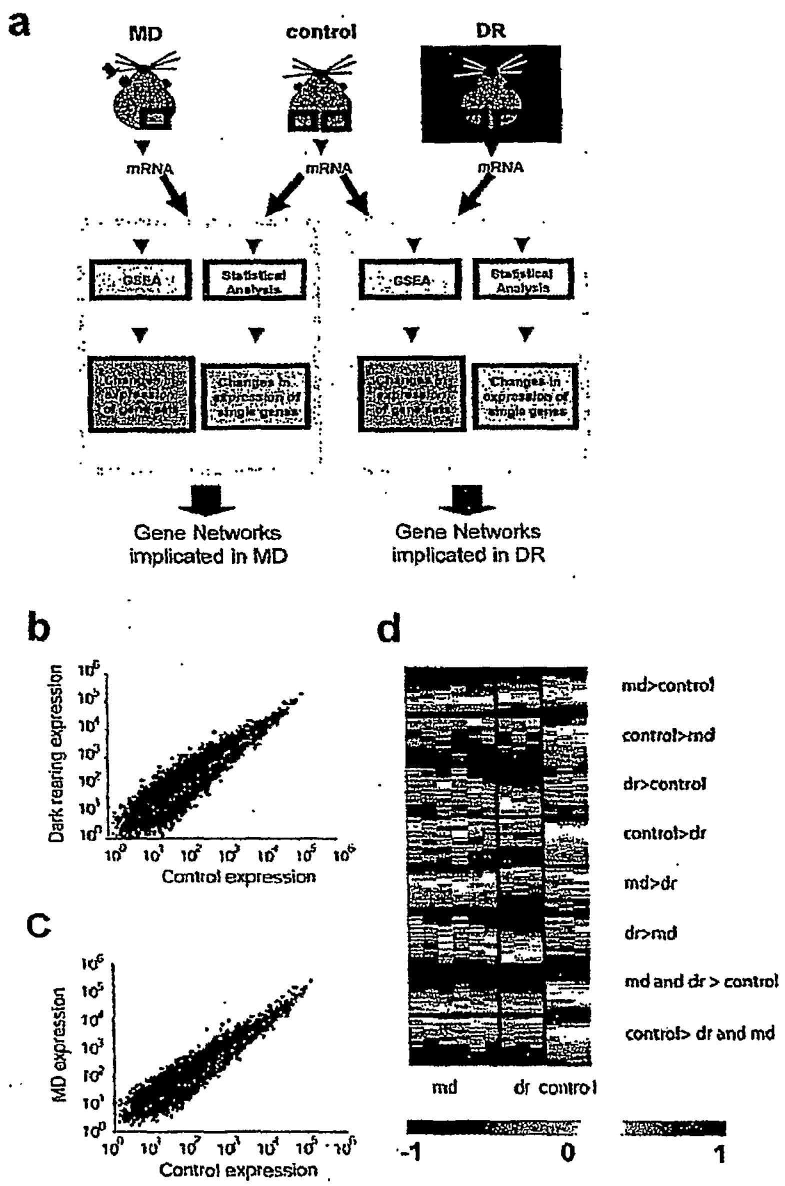

a
MD
control
DR
mRNA
mRNA
mRNA
GSEA
Statistical Analysis
GSEA
Statistical Analysis
Changes in expression of gene sets
Changes in expression of single genes
Changes in expression of gene sets
Changes in expression of single genes
Gene Networks implicated in MD
Gene Networks implicated in DR
b
Dark rearing expression
Control expression
c
MD expression
Control expression
d
md>control
control>md
dr>control
control>dr
md>dr
dr>md
md and dr > control
control> dr and md
md
dr
control
-1
0
1

Fig. 2

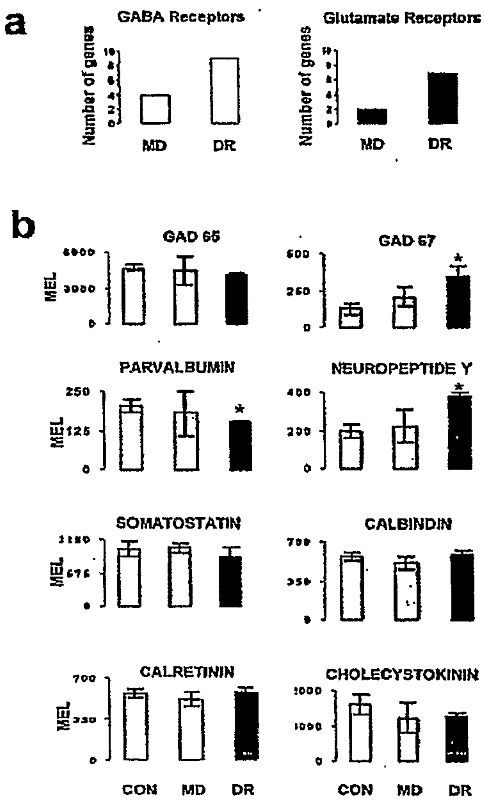

a
GABA Receptors
Glutamate Receptors
Number of genes
MD
DR
b
GAD 65
GAD 67
PARVALBUMIN
NEUROPEPTIDE Y
SOMATOSTATIN
CALBINDIN
CALRETININ
CHOLECYSTOKININ
MEL
CON
MD
DR

Fig. 3

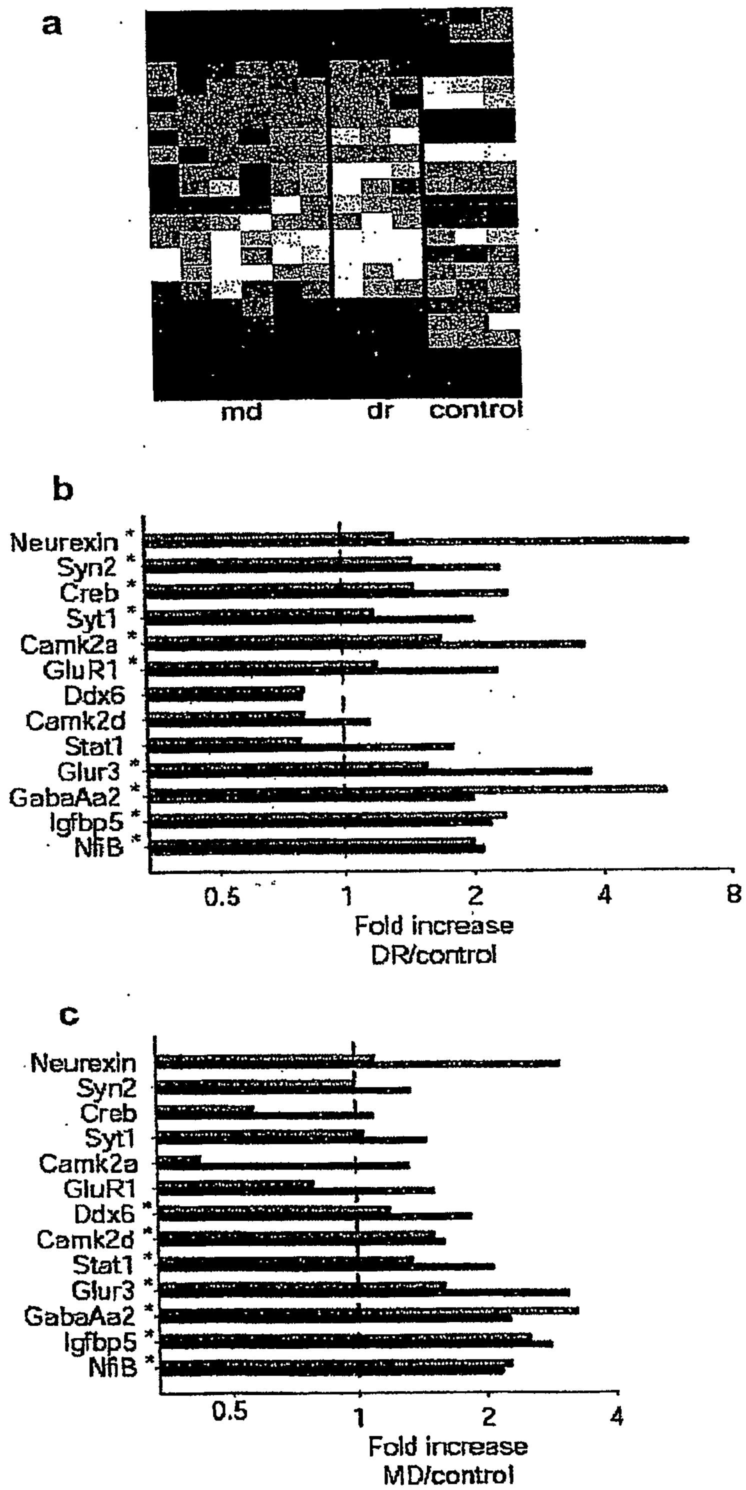

a
md
dr
control
b
Neurexin *
Syn2 *
Creb *
Syt1 *
Camk2a *
GluR1 *
Ddx6
Camk2d
Stat1
Glur3 *
GabaAa2 *
Igfbp5 *
NfiB *
0.5
1
2
4
8
Fold increase
DR/control
c
Neurexin
Syn2
Creb
Syt1
Camk2a
GluR1
Ddx6 *
Camk2d *
Stat1 *
Glur3 *
GabaAa2 *
Igfbp5 *
NfiB *
0.5
1
2
4
Fold increase
MD/control

Fig. 4

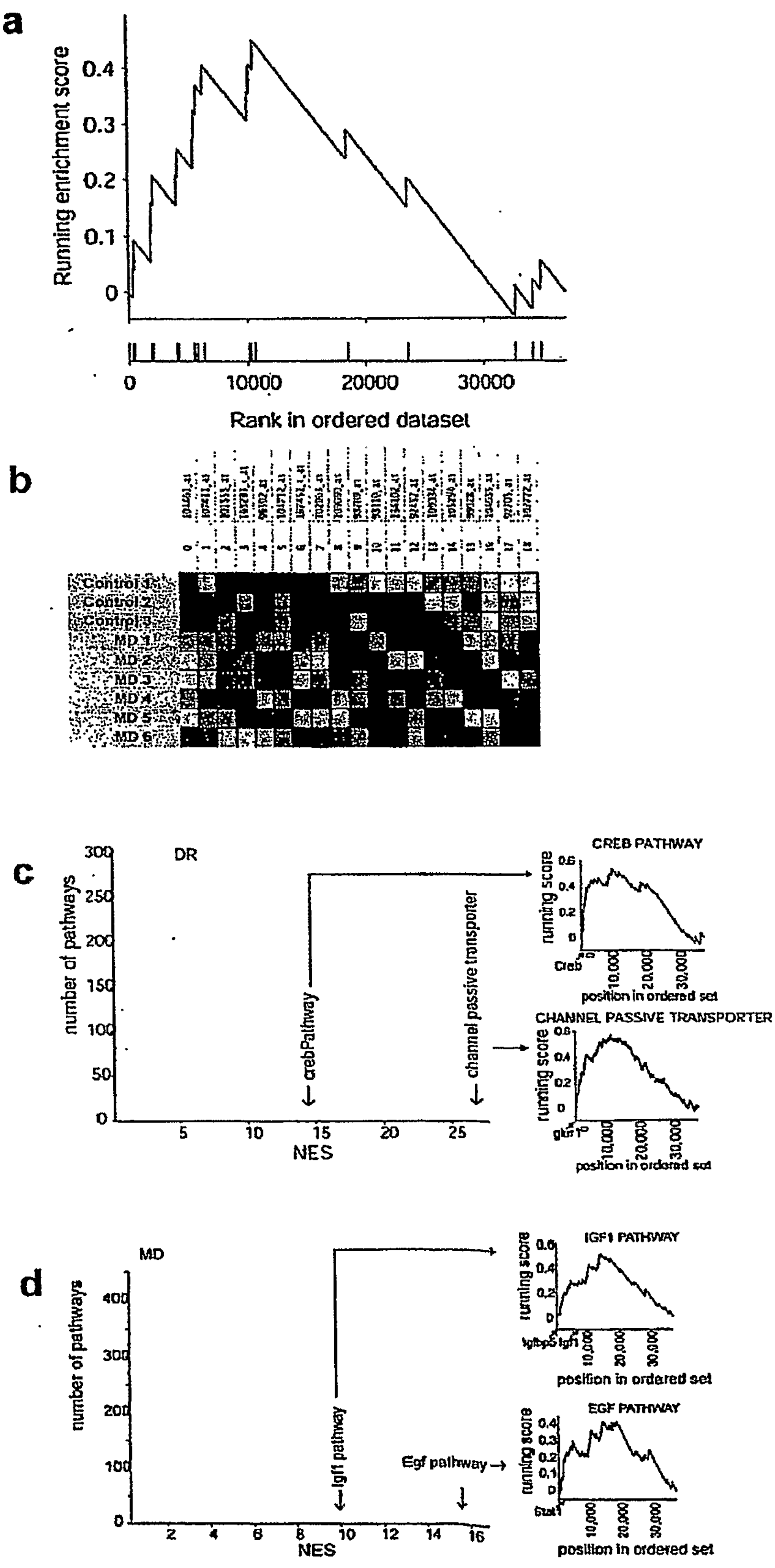

a
Running enrichment score
0.4
0.3
0.2
0.1
0
0
10000
20000
30000
Rank in ordered dataset
b
Control 1
Control 2
Control 3
MD 1
MD 2
MD 3
MD 4
MD 5
MD 6
c
DR
number of pathways
NES
crebPathway
channel passive transporter
CREB PATHWAY
running score
position in ordered set
CHANNEL PASSIVE TRANSPORTER
d
MD
number of pathways
NES
Igf1 pathway
Egf pathway
IGF1 PATHWAY
running score
position in ordered set
EGF PATHWAY

Fig. 5

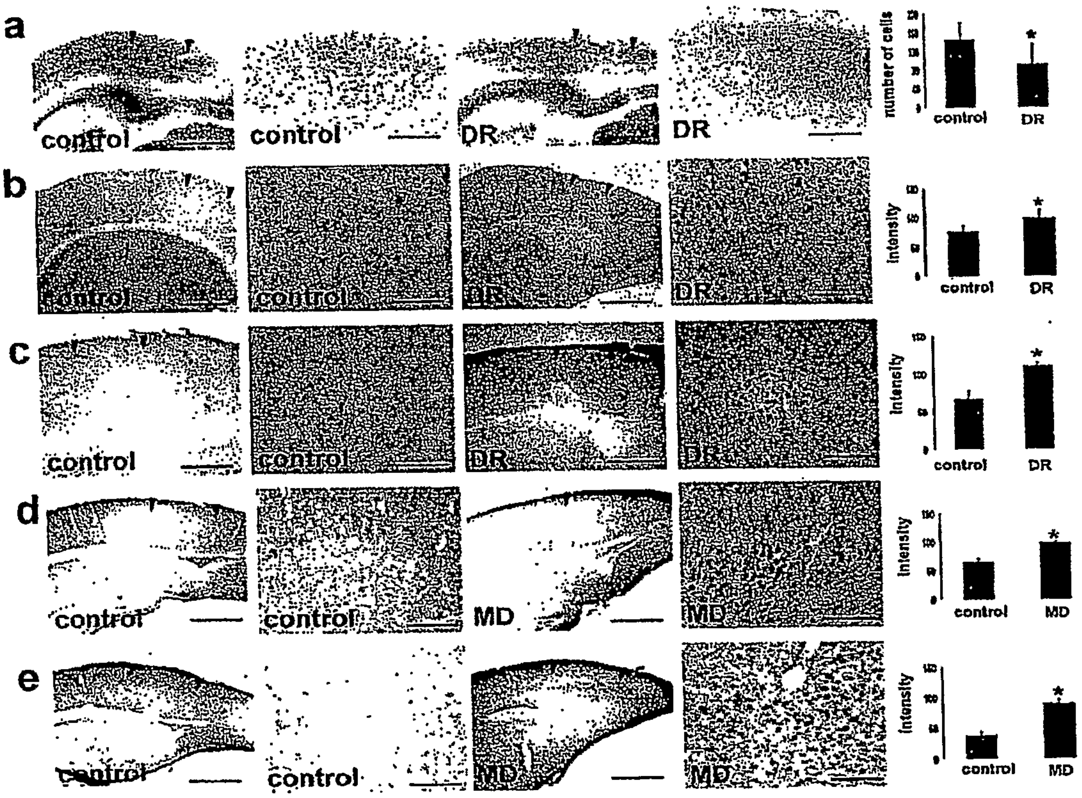


Fig. 6

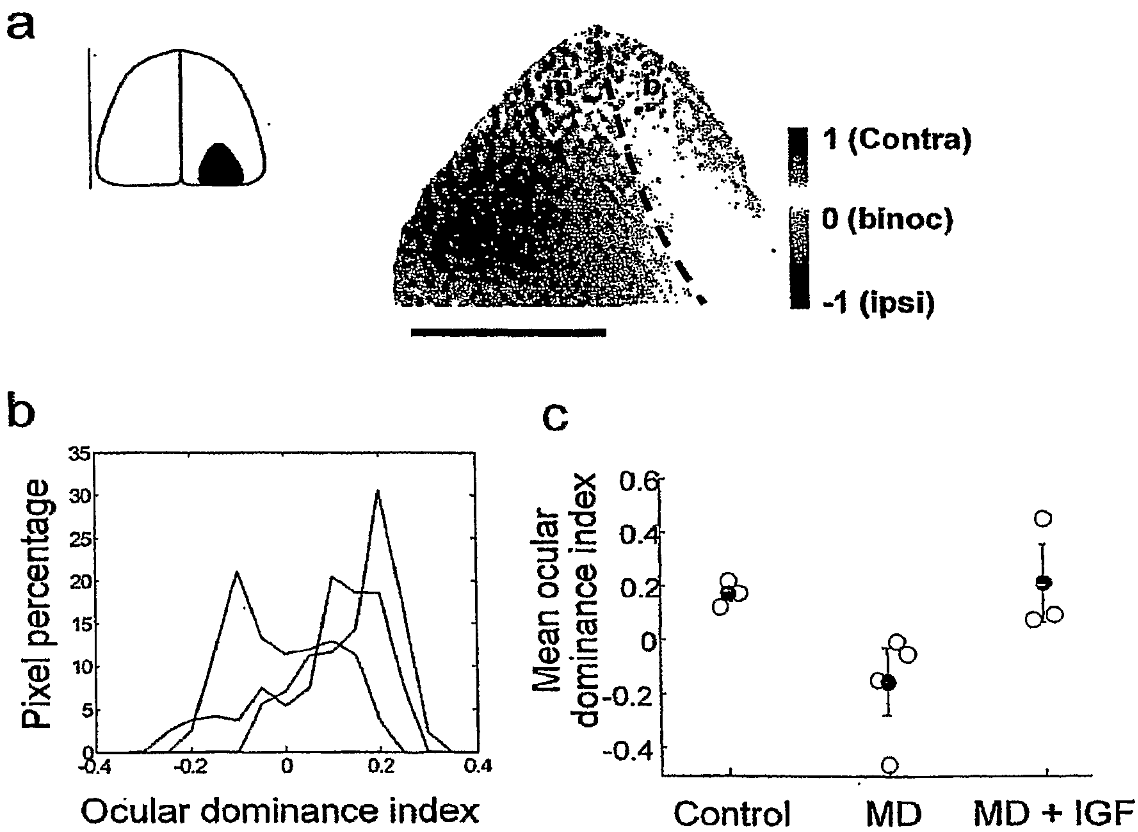
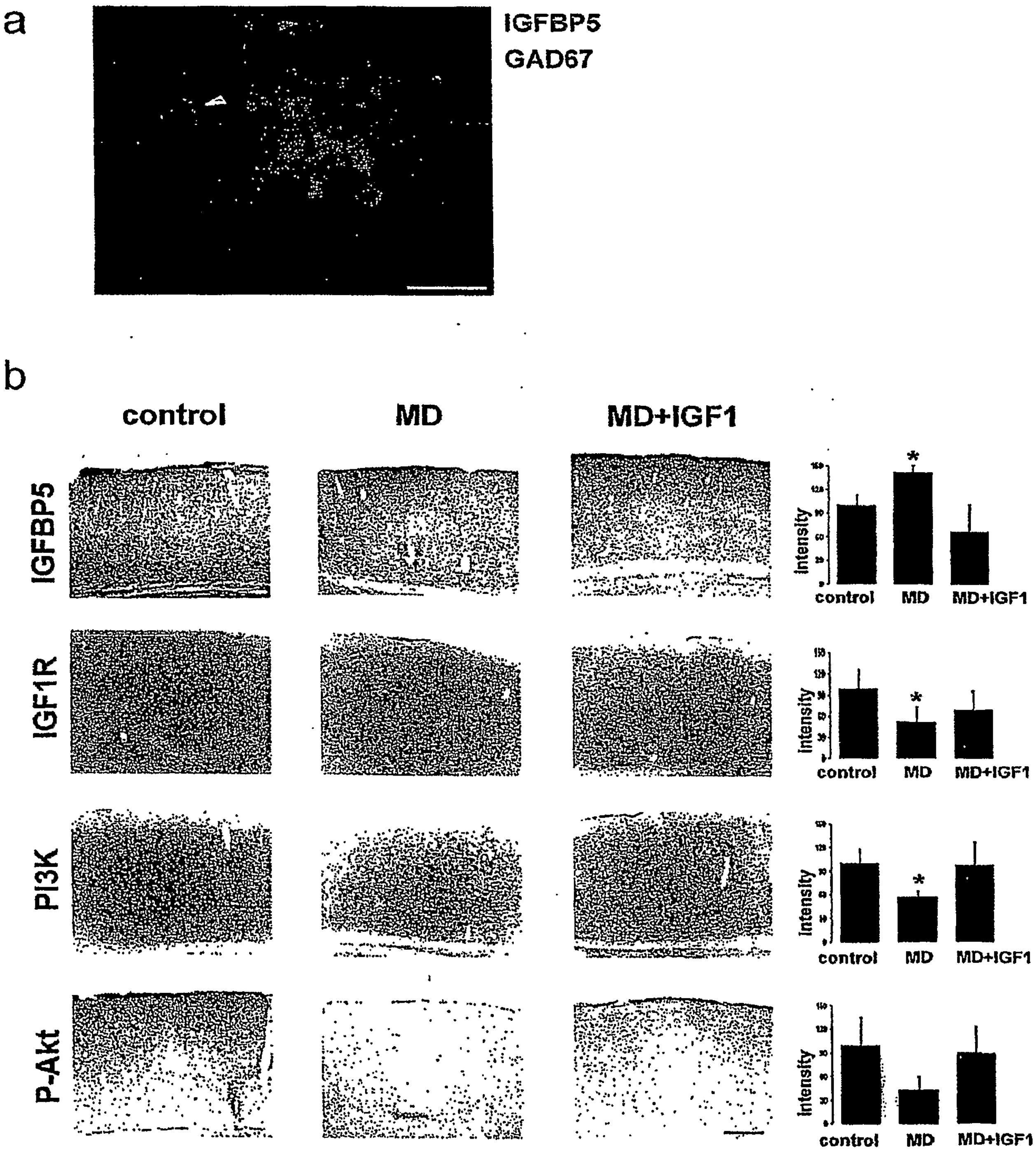

a
b
1 (Contra)
0 (binoc)
-1 (ipsi)
b
Pixel percentage
Ocular dominance index
c
Mean ocular dominance index
Control
MD
MD + IGF

Fig. 7


a
IGFBP5
GAD67
b
control
MD
MD+IGF1
IGFBP5
IGF1R
PI3K
P-Akt
Intensity
control
MD
MD+IGF1
*