

Supplemental Table 3									
Site ID	Intron	Poly(A) site	Type	NM/KG	Inum	Region	Gene ID	Gene Symbol	Gene Annotation
Hs.120277.1.10	chr3:170997234:170996860	170996950	b	NM_153353	7	CDS	151827	LRRC34	leucine rich repeat containing 34
Hs.134470.1.27	chr17:53059664:53084458	53065543	b	NM_138962	10	CDS	124540	MSI2	musashi homolog 2 (Drosophila)
Hs.162889.1.18	chr14:80367239:80329208	80366262	b	NM_152446	12	CDS	145508	C14orf145	chromosome 14 open reading frame 145
Hs.187898.1.27	chr22:28403623:28415294	28404458	b	NM_181832	16	3UTR	4771	NF2	neurofibromin 2 (bilateral acoustic neuroma)
Hs.228320.1.6	chr10:115527009:115530350	115527470	b	BC036365	5	CDS	79949	C10orf81	chromosome 10 open reading frame 81
Hs.266308.1.2	chr11:117279579:117278191	117278967	b	NM_032046	12	CDS	84000	TMPRSS13	transmembrane protease, serine 13
Hs.266308.1.4	chr11:117284536:117281662	117283722	b	NM_032046	9	CDS	84000	TMPRSS13	transmembrane protease, serine 13
Hs.2689.1.4	chr10:53492398:53563605	53492622	b	NM_006258	7	CDS	5592	PRKG1	protein kinase, cGMP-dependent, type I
Hs.280781.1.6	chr18:64715646:64829150	64715837	b	NM_024781	4	CDS	79839	C18orf14	chromosome 18 open reading frame 14
Hs.305985.2.25	chr12:8983686:8984438	8983942	b	BX640639	17	3UTR	NA	NA	NA
Hs.312098.1.36	chr1:151843991:151844258	151844232	b	NM_003815	15	CDS	8751	ADAM15	a disintegrin and metalloproteinase domain 15 (metargidin)
Hs.314338.1.11	chr21:39490293:39481214	39487623	b	NM_018963	41	CDS	54014	BRWD1	bromodomain and WD repeat domain containing 1
Hs.33368.1.3	chr15:92685158:92689361	92688314	b	NM_018349	6	CDS	55784	MCTP2	multiple C2-domains with two transmembrane regions 2
Hs.346736.1.21	chr2:99270738:99281614	99272414	b	AK126402	10	3UTR	51263	MRPL30	mitochondrial ribosomal protein L30
Hs.445061.1.19	chr16:69322898:69290216	69322712	b	NM_018052	14	CDS	55697	VAC14	Vac14 homolog (S. cerevisiae)
Hs.465061.1.12	chr18:43625708:43622320	43625678	b	NM_001003652	10	CDS	4087	SMAD2	SMAD, mothers against DPP homolog 2 (Drosophila)
Hs.480068.1.11	chr4:82734983:82726618	82729226	b	NM_152545	4	CDS	153020	RASGEF1B	RasGEF domain family, member 1B
Hs.481361.1.17	chr4:187463566:187468216	187463958	b	NM_001006655	13	CDS	25854	DKFZP564J102	DKFZP564J102 protein
Hs.496684.1.15	chrX:119357466:119347200	119354582	b	NM_002294	8	CDS	3920	LAMP2	lysosomal-associated membrane protein 2
Hs.501012.1.14	chr10:111868485:111868958	111868688	b	NM_001121	6	CDS	120	ADD3	adducin 3 (gamma)
Hs.502328.1.13	chr11:35168189:35192974	35168365	b	NM_001001391	5	CDS	960	CD44	CD44 antigen (homing function and Indian blood group system)
Hs.512461.1.17	chr9:129949373:129966747	129950152	b	NM_020960	14	CDS	57720	GPR107	G protein-coupled receptor 107
Hs.512676.1.10	chr11:118393877:118393466	118393618	b	NM_001028	2	CDS	6230	RPS25	ribosomal protein S25
Hs.523360.1.15	chr10:134390400:134413010	134390839	b	NM_005539	9	CDS	3632	INPP5A	inositol polyphosphate-5-phosphatase, 40kDa
Hs.523360.1.24	chr10:134441277:134444342	134441371	b	Z31695	12	CDS	3632	INPP5A	inositol polyphosphate-5-phosphatase, 40kDa
Hs.527874.1.36	chr12:70336931:70327861	70336390	b	NM_144982	2	CDS	196441	MGC23401	hypothetical protein MGC23401
Hs.529303.1.16	chr2:218929080:218929619	218929420	b	NM_005731	5	CDS	10109	ARPC2	actin related protein 2/3 complex, subunit 2, 34kDa
Hs.531785.1.11	chr2:20745283:20740634	20743575	b	NM_022460	6	CDS	64342	HS1BP3	HS1-binding protein 3
Hs.549079.1.1	chr7:71886910:72190310	71887445	b	NM_003602	4	CDS	8468	FKBP6	FK506 binding protein 6, 36kDa
Hs.6449.1.25	chr1:1296298:1290922	1294012	b	AK021939	2	CDS	54973	CPSF3L	cleavage and polyadenylation specific factor 3-like
Hs.100299.1.13	chr17:30340796:30342094	30340956	c	NM_002311	4	CDS	3980	LIG3	ligase III, DNA, ATP-dependent
Hs.100299.1.14	chr17:30340796:30342094	30341012	c	NM_002311	4	CDS	3980	LIG3	ligase III, DNA, ATP-dependent
Hs.100299.1.15	chr17:30340796:30342094	30341167	c	NM_002311	4	CDS	3980	LIG3	ligase III, DNA, ATP-dependent
Hs.100743.1.7	chr2:159020745:158995915	159020613	c	NM_138803	7	CDS	130940	LOC130940	hypothetical protein BC015395
Hs.100914.1.47	chr18:13104251:13106375	13104624	c	NM_018069	36	3UTR	55125	Cep192	centrosomal protein 192 kDa
Hs.101014.1.16	chr11:95194791:95200597	95195305	c	D42054	7	CDS	9702	PIG8	translokine
Hs.101014.1.18	chr11:95195389:95200597	95196027	c	NM_014679	8	CDS	9702	PIG8	translokine
Hs.101302.1.17	chr6:75879639:75875604	75879458	c	NM_004370	51	CDS	1303	COL12A1	collagen, type XII, alpha 1
Hs.101439.1.10	chr9:121831027:121816813	121830743	c	NM_194252	3	CDS	158135	TTLL11	tubulin tyrosine ligase-like family, member 11
Hs.101480.1.35	chr17:33018868:33011825	33018543	c	NM_007247	6	CDS	11276	AP1GBP1	AP1 gamma subunit binding protein 1
Hs.101791.1.3	chr3:10840078:10860898	10842183	c	NM_014229	4	CDS	6538	SLC6A11	solute carrier family 6 (neurotransmitter transporter, GABA), member 11
Hs.101840.1.13	chr1:177754471:177756017	177754813	c	NM_001531	5	CDS	3140	MR1	major histocompatibility complex, class I-related

Hs.102798.1.21	chr11:14589087:14497164	14588943	c	NM_148976	2	CDS	5682	PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1
Hs.102914.1.20	chrX:119448158:119445992	119448073	c	NM_003588	20	CDS	8450	CUL4B	cullin 4B
Hs.102929.1.33	chr3:48693723:48692667	48693630	c	NM_016453	5	CDS	51517	NCKIPSD	NCK interacting protein with SH3 domain
Hs.103183.1.25	chrX:146732683:146735799	146732780	c	M67468	15	CDS	2332	FMR1	fragile X mental retardation 1
Hs.103527.1.4	chr1:153590039:153589439	153589922	c	NM_003975	8	3UTR	9047	SH2D2A	SH2 domain protein 2A
Hs.104123.1.7	chrX:12587923:12597282	12588145	c	NM_002765	4	CDS	5634	PRPS2	phosphoribosyl pyrophosphate synthetase 2
Hs.104672.1.15	chr3:101315586:101132565	101313731	c	NM_182909	1	5UTR	11259	DOC1	downregulated in ovarian cancer 1
Hs.104806.1.4	chr20:3750941:3752517	3751143	c	NM_018347	2	CDS	55317	C20orf29	chromosome 20 open reading frame 29
Hs.10499.1.26	chr16:57271261:57270300	57271015	c	NM_018231	3	CDS	55238	FLJ10815	amino acid transporter
Hs.105016.1.16	chr1:70470091:70454549	70469850	c	NM_030816	9	CDS	81573	ANKRD13C	ankyrin repeat domain 13C
Hs.105134.1.12	chrX:131244225:131241836	131243943	c	NM_018388	6	CDS	55796	MBNL3	muscleblind-like 3 (Drosophila)
Hs.105153.1.3	chr3:20187219:20177723	20185982	c	NM_001012410	8	CDS	151648	SGOL1	shugoshin-like 1 (S. pombe)
Hs.105153.1.4	chr3:20187219:20177723	20186549	c	NM_001012410	8	CDS	151648	SGOL1	shugoshin-like 1 (S. pombe)
Hs.105153.1.8	chr3:20187219:20177723	20186990	c	NM_001012410	8	CDS	151648	SGOL1	shugoshin-like 1 (S. pombe)
Hs.105818.1.16	chr5:133730566:133730135	133730168	c	BC041799	1	5UTR	51265	CDKL3	cyclin-dependent kinase-like 3
Hs.105818.1.7	chr5:133671727:133670293	133671469	c	BC041799	9	CDS	51265	CDKL3	cyclin-dependent kinase-like 3
Hs.105818.1.8	chr5:133671727:133670293	133671591	c	BC041799	9	CDS	51265	CDKL3	cyclin-dependent kinase-like 3
Hs.107101.1.8	chr1:2153313:2150808	2153168	c	NM_182533	4	CDS	199990	C1orf86	chromosome 1 open reading frame 86
Hs.107149.1.11	chr1:181825732:181824709	181825629	c	NM_030934	12	CDS	81627	C1orf25	chromosome 1 open reading frame 25
Hs.108530.1.16	chr6:76025215:76022732	76024690	c	NM_018247	6	CDS	55754	TMEM30A	transmembrane protein 30A
Hs.10941.1.11	chr2:182807702:182819206	182807918	c	BC017943	5	3UTR	151242	PPP1R1C	protein phosphatase 1, regulatory (inhibitor) subunit 1C
Hs.10941.1.12	chr2:182807702:182819206	182807989	c	BC017943	5	3UTR	151242	PPP1R1C	protein phosphatase 1, regulatory (inhibitor) subunit 1C
Hs.109439.1.20	chr9:92231690:92228134	92231478	c	NM_014057	5	CDS	4969	OGN	osteoglycin (osteoinductive factor, mimecan)
Hs.109520.1.15	chr13:51889192:51888230	51889050	c	NM_016075	12	CDS	51028	VPS36	vacuolar protein sorting 36 (yeast)
Hs.109590.1.7	chr4:77550101:77556400	77550268	c	AK124936	5	CDS	8987	GENX-3414	genethonin 1
Hs.110445.1.7	chr7:65900273:65897637	65900196	c	NM_016038	4	CDS	51119	SBDS	Shwachman-Bodian-Diamond syndrome
Hs.11067.1.24	chr17:70465830:70463647	70465662	c	NM_030630	12	CDS	283987	C17orf28	chromosome 17 open reading frame 28
Hs.111286.1.4	chr15:86812260:86819344	86812490	c	NM_176805	2	CDS	64963	MRPS11	mitochondrial ribosomal protein S11
Hs.111749.1.1	chr2:190474826:190482021	190475534	c	NM_000534	1	5UTR	5378	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)
Hs.111749.1.12	chr2:190495987:190508248	190497286	c	NM_000534	4	CDS	5378	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)
Hs.112160.1.17	chr15:62903029:62901863	62902506	c	NM_025049	1	CDS	80119	C15orf20	chromosome 15 open reading frame 20
Hs.112377.1.4	chr11:124123495:124122774	124123216	c	NM_014312	6	CDS	23584	VSIG2	V-set and immunoglobulin domain containing 2
Hs.112895.1.10	chr9:136134055:136131761	136133917	c	NM_144653	3	CDS	138151	BTBD14A	BTB (POZ) domain containing 14A
Hs.112949.1.16	chr1:51473771:51472205	51473231	c	AF007170	13	CDS	22996	C1orf34	chromosome 1 open reading frame 34
Hs.11314.1.10	chr20:34296263:34306913	34296691	c	NM_015511	3	CDS	25980	C20orf4	chromosome 20 open reading frame 4
Hs.11314.1.6	chr20:34291962:34296032	34292188	c	NM_015511	2	CDS	25980	C20orf4	chromosome 20 open reading frame 4
Hs.113150.1.29	chr14:35267318:35264111	35267297	c	NM_014990	13	CDS	253959	GARNL1	GTPase activating Rap/RanGAP domain-like 1
Hs.113157.1.7	chr3:37645832:37670208	37646014	c	NM_002207	16	CDS	3680	ITGA9	integrin, alpha 9
Hs.11355.1.18	chr12:97433819:97440475	97433959	c	BC053675	4	CDS	7112	TMPO	thymopoietin
Hs.113874.1.16	chr17:26573074:26574587	26573908	c	NM_000267	15	CDS	4763	NF1	neurofibromin 1 (neurofibromatosis, von Recklinghausen disease, Watson disease)
Hs.113874.1.59	chr17:26709767:26710112	26709791	c	NM_000267	54	CDS	4763	NF1	neurofibromin 1 (neurofibromatosis, von Recklinghausen disease, Watson disease)
Hs.113874.1.65	chr17:26711848:26725156	26712746	c	NM_000267	56	CDS	4763	NF1	neurofibromin 1 (neurofibromatosis, von Recklinghausen disease, Watson disease)
Hs.113876.1.31	chr4:1908737:1920029	1909372	c	NM_014919	11	CDS	7468	WHSC1	Wolf-Hirschhorn syndrome candidate 1
Hs.113912.1.14	chr4:160611455:160617067	160611613	c	AB002311	11	CDS	9693	RAPGEF2	Rap guanine nucleotide exchange factor (GEF) 2

Hs.113912.1.34	chr4:160632804:160634609	160632875	c	AB002311	22	CDS	9693	RAPGEF2	Rap guanine nucleotide exchange factor (GEF) 2
Hs.114062.1.7	chr10:17681294:17676389	17681079	c	NM_014241	5	CDS	9200	PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a
Hs.114198.1.23	chr15:65849056:65852098	65849319	c	NM_002757	19	CDS	5607	MAP2K5	mitogen-activated protein kinase kinase 5
Hs.114246.1.2	chrX:47503779:47511497	47503863	c	NM_007137	4	CDS	347344	ZNF81	zinc finger protein 81 (HFZ20)
Hs.114648.1.18	chr10:124598742:124595727	124598603	c	NM_022034	2	5UTR	50624	CUZD1	CUB and zona pellucida-like domains 1
Hs.115277.1.19	chrY:13946928:13943905	13946313	c	NM_007125	7	CDS	7404	UTY	ubiquitously transcribed tetratricopeptide repeat gene, Y-linked
Hs.115277.1.20	chrY:13946928:13943905	13946448	c	NM_007125	7	CDS	7404	UTY	ubiquitously transcribed tetratricopeptide repeat gene, Y-linked
Hs.115277.1.25	chrY:14029264:14020241	14028059	c	NM_007125	2	CDS	7404	UTY	ubiquitously transcribed tetratricopeptide repeat gene, Y-linked
Hs.115277.1.7	chrY:13847717:13810416	13847452	c	NM_007125	25	CDS	7404	UTY	ubiquitously transcribed tetratricopeptide repeat gene, Y-linked
Hs.115277.1.8	chrY:13847717:13810416	13847520	c	NM_007125	25	CDS	7404	UTY	ubiquitously transcribed tetratricopeptide repeat gene, Y-linked
Hs.115792.1.7	chr3:45018105:45021786	45018298	c	NM_015004	5	CDS	23016	EXOSC7	exosome component 7
Hs.116092.1.6	chr3:136355817:136363557	136356231	c	NM_004441	6	CDS	2047	EPHB1	EPH receptor B1
Hs.116128.1.2	chr20:43614075:43613666	43613815	c	NM_181510	6	3UTR	90199	WFDC8	WAP four-disulfide core domain 8
Hs.116250.1.6	chr4:46104870:46093550	46103717	c	NM_000807	10	CDS	2555	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2
Hs.116470.1.24	chr6:25718389:25727653	25718474	c	NM_017640	35	CDS	55604	LRRRC16	leucine rich repeat containing 16
Hs.116471.1.34	chr16:63579560:63573706	63578978	c	NM_001797	7	CDS	1009	CDH11	cadherin 11, type 2, OB-cadherin (osteoblast)
Hs.116471.1.38	chr16:63583171:63579749	63582747	c	NM_001797	6	CDS	1009	CDH11	cadherin 11, type 2, OB-cadherin (osteoblast)
Hs.116651.1.10	chr11:117633162:117631159	117632836	c	NM_005797	5	3UTR	10205	EVA1	epithelial V-like antigen 1
Hs.116651.1.11	chr11:117633162:117631159	117632916	c	NM_005797	5	3UTR	10205	EVA1	epithelial V-like antigen 1
Hs.116796.1.13	chr11:111361256:111362804	111361447	c	NM_033425	4	CDS	85458	DIXDC1	DIX domain containing 1
Hs.116796.1.15	chr11:111364990:111368348	111365041	c	NM_033425	6	CDS	85458	DIXDC1	DIX domain containing 1
Hs.116796.1.9	chr11:111350918:111356671	111351929	c	BC064479	5	CDS	85458	DIXDC1	DIX domain containing 1
Hs.117060.1.14	chr9:92359523:92357041	92358549	c	NM_001393	3	CDS	1842	ECM2	extracellular matrix protein 2, female organ and adipocyte specific
Hs.117167.1.8	chr13:28173637:28173094	28173540	c	BC060850	7	CDS	283537	LOC283537	hypothetical protein LOC283537
Hs.117747.1.5	chr4:146924914:146929818	146925387	c	NM_172250	3	CDS	166785	MMAA	methylmalonic aciduria (cobalamin deficiency) cblA type
Hs.117767.1.19	chr8:105056911:105070708	105057660	c	NM_014677	13	CDS	9699	RIMS2	regulating synaptic membrane exocytosis 2
Hs.118166.1.12	chr12:31496140:31491971	31495903	c	BC068580	6	CDS	160518	MGC24039	hypothetical protein MGC24039
Hs.118166.1.8	chr12:31477355:31470626	31476578	c	NM_144973	8	CDS	160518	MGC24039	hypothetical protein MGC24039
Hs.118351.1.21	chr7:156509142:156512858	156509402	c	NM_014671	14	CDS	9690	UBE3C	ubiquitin protein ligase E3C
Hs.118354.1.1	chr6:30633969:30637589	30634084	c	NM_025263	2	CDS	80742	PRR3	proline rich 3
Hs.118666.1.11	chr1:151774399:151775707	151774557	c	BC014012	1	CDS	80308	FLAD1	Fad1, flavin adenine dinucleotide synthetase, homolog (yeast) v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)
Hs.118681.1.6	chr12:54765233:54766581	54765674	c	NM_001982	3	CDS	2065	ERBB3	
Hs.118738.1.40	chr3:51492774:51480062	51492725	c	NM_014703	3	CDS	9730	VprBP	Vpr-binding protein
Hs.118738.1.6	chr3:51411205:51409596	51410897	c	NM_014703	24	3UTR	9730	VprBP	Vpr-binding protein
Hs.119014.1.4	chr19:56768467:56776455	56769275	c	NM_007147	2	CDS	7728	ZNF175	zinc finger protein 175
Hs.11916.1.19	chr2:28024774:27993090	28024344	c	NM_022128	1	CDS	64080	RBKS	ribokinase
Hs.119286.1.4	chr20:56479070:56476121	56478704	c	NM_153360	2	CDS	164284	FLJ90166	hypothetical protein FLJ90166
Hs.119598.1.45	chr22:38037965:38037347	38037965	c	NM_000967	3	CDS	6122	RPL3	ribosomal protein L3
Hs.119684.1.4	chr8:23016640:23025177	23017006	c	NM_003841	1	CDS	8794	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain
Hs.120633.1.8	chr11:94557231:94551641	94556947	c	NM_144665	6	CDS	143686	SESN3	sestrin 3

Hs.120658.1.16	chr5:38922050:38939740	38922516	c	NM_003999	7	CDS	9180	OSMR	oncostatin M receptor
Hs.120658.1.27	chr5:38968395:38968730	38968403	c	NM_003999	17	CDS	9180	OSMR	oncostatin M receptor
Hs.120766.1.3	chr4:142501251:142503245	142501339	c	NM_014487	2	CDS	27309	ZNF330	zinc finger protein 330
Hs.120949.1.26	chr7:79948115:79950350	79948273	c	NM_001001548	14	CDS	948	CD36	CD36 antigen (collagen type I receptor, thrombospondin receptor)
Hs.120949.1.27	chr7:79948115:79950350	79948376	c	NM_001001548	14	CDS	948	CD36	CD36 antigen (collagen type I receptor, thrombospondin receptor)
Hs.121333.1.1	chr3:39484236:39496534	39484236	c	NM_182935	1	5UTR	4336	MOBP	myelin-associated oligodendrocyte basic protein
Hs.121347.1.6	chr10:118414261:118413675	118413787	c	NM_144661	4	CDS	143379	C10orf82	chromosome 10 open reading frame 82
Hs.121347.1.7	chr10:118414261:118413675	118413885	c	NM_144661	4	CDS	143379	C10orf82	chromosome 10 open reading frame 82
Hs.121494.1.7	chr7:123193930:123204202	123194051	c	NM_003117	5	CDS	6677	SPAM1	sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)
Hs.122006.1.7	chr15:47504073:47562639	47505004	c	NM_002009	2	CDS	2252	FGF7	fibroblast growth factor 7 (keratinocyte growth factor)
Hs.122115.1.15	chr12:131259458:131265232	131259592	c	AK126212	4	CDS	347918	FLJ33915	hypothetical protein FLJ33915
Hs.122115.1.16	chr12:131259458:131265232	131259674	c	AK126212	4	CDS	347918	FLJ33915	hypothetical protein FLJ33915
Hs.122927.1.22	chr2:29308963:29316088	29309230	c	NM_024692	15	CDS	79745	RSNL2	restin-like 2
Hs.122934.1.10	chr2:210734168:210730758	210733663	c	NM_152519	7	CDS	151050	FLJ23861	hypothetical protein FLJ23861
Hs.122934.1.15	chr2:210794333:210788438	210794250	c	NM_152519	4	CDS	151050	FLJ23861	hypothetical protein FLJ23861
Hs.122934.1.9	chr2:210730649:210721777	210730553	c	NM_152519	8	CDS	151050	FLJ23861	hypothetical protein FLJ23861
Hs.122939.1.6	chr16:20338259:20340080	20338598	c	NM_017888	4	CDS	54988	FLJ20581	hypothetical protein FLJ20581
Hs.123659.1.19	chr1:27966736:27969128	27967133	c	NM_014474	7	CDS	27293	SMPDL3B	sphingomyelin phosphodiesterase, acid-like 3B
Hs.124147.1.8	chr1:66705446:66705892	66705778	c	NM_012308	3	CDS	22992	FBXL11	F-box and leucine-rich repeat protein 11
Hs.12420.1.22	chr4:130140986:130146615	130142839	c	NM_199320	8	CDS	79960	PHF17	PHD finger protein 17
Hs.12420.1.23	chr4:130140986:130146615	130143392	c	NM_199320	8	CDS	79960	PHF17	PHD finger protein 17
Hs.124565.1.3	chr2:219858156:219855650	219858096	c	AK055730	5	3UTR	151295	SLC23A3	solute carrier family 23 (nucleobase transporters), member 3
Hs.12457.1.25	chr1:225907105:225906159	225906984	c	NM_018230	18	CDS	55746	NUP133	nucleoporin 133kDa
Hs.125039.1.7	chr7:86633298:86635356	86634021	c	NM_021151	4	CDS	54677	CROT	carnitine O-octanoyltransferase
Hs.125113.1.25	chr21:29367722:29364530	29366462	c	NM_006585	1	CDS	10694	CCT8	chaperonin containing TCP1, subunit 8 (theta)
Hs.125300.1.7	chr11:5618996:5620211	5619104	c	NM_001003819	11	CDS	445372	TRIM6-TRIM34	tripartite motif-containing 6 and tripartite motif-containing 34
Hs.125474.1.25	chr11:58099808:58094763	58099553	c	NM_004811	1	CDS	9404	LPXN	leupaxin
Hs.125605.1.4	chr4:96494452:96485126	96494372	c	NM_003728	10	CDS	8633	UNC5C	unc-5 homolog C (C. elegans)
Hs.125962.1.7	chr7:115218266:115208262	115217688	c	NM_012252	2	CDS	22797	TFEC	transcription factor EC
Hs.126221.1.16	chr21:44322094:44323872	44322272	c	NM_003274	11	CDS	7109	TMEM1	transmembrane protein 1
Hs.126221.1.26	chr21:44328573:44331110	44328804	c	NM_003274	15	CDS	7109	TMEM1	transmembrane protein 1
Hs.126256.1.16	chr2:113305099:113304382	113304944	c	NM_000576	6	CDS	3553	IL1B	interleukin 1, beta
Hs.126494.1.5	chr17:25444081:25458977	25444146	c	NM_198529	17	CDS	374786	FLJ46247	FLJ46247 protein
Hs.126550.1.23	chr18:59225644:59222040	59225589	c	NM_004869	4	CDS	9525	VPS4B	vacuolar protein sorting 4B (yeast)
Hs.126838.1.3	chr4:176227056:176271226	176227276	c	NM_014269	1	5UTR	11086	ADAM29	a disintegrin and metalloproteinase domain 29
Hs.126888.1.13	chr18:2556819:2553859	2556693	c	NM_022840	2	CDS	64863	METTL4	methyltransferase like 4
Hs.126906.1.28	chr5:71690407:71691186	71690539	c	NM_024754	10	3UTR	79810	PTCD2	pentatricopeptide repeat domain 2
Hs.126906.1.30	chr5:71690407:71691186	71690812	c	NM_024754	10	3UTR	79810	PTCD2	pentatricopeptide repeat domain 2
Hs.126906.1.31	chr5:71690407:71691186	71690878	c	NM_024754	10	3UTR	79810	PTCD2	pentatricopeptide repeat domain 2
Hs.127011.1.10	chr6:54299674:54315982	54299760	c	NM_014464	4	CDS	27283	TINAG	tubulointerstitial nephritis antigen
Hs.127011.1.4	chr6:54293400:54294053	54293427	c	NM_014464	2	CDS	27283	TINAG	tubulointerstitial nephritis antigen
Hs.127011.1.7	chr6:54294144:54299558	54294149	c	NM_014464	3	CDS	27283	TINAG	tubulointerstitial nephritis antigen
Hs.12707.1.3	chr3:133668856:133674686	133668888	c	NM_173823	4	CDS	23317	DNAJC13	DnaJ (Hsp40) homolog, subfamily C, member 13
Hs.127405.1.2	chr11:31283737:31268976	31283654	c	NM_181807	6	CDS	341019	DCDC1	doublecortin domain containing 1

Hs.127519.1.1	chr2:202142168:202144974	202142646	c	NM_018571	1	5UTR	55437	ALS2CR2	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2
Hs.127657.1.18	chr3:158660671:158628980	158660440	c	NM_024621	4	CDS	79674	VEPH1	ventricular zone expressed PH domain homolog 1 (zebrafish)
Hs.127735.1.10	chr7:94802267:94810399	94802764	c	NM_016116	3	CDS	51666	ASB4	ankyrin repeat and SOCS box-containing 4
Hs.127736.1.12	chr1:33907262:33878301	33906802	c	NM_052896	13	CDS	114784	CSMD2	CUB and Sushi multiple domains 2
Hs.127799.1.4	chr11:101697842:101700401	101698124	c	NM_182962	2	5UTR	330	BIRC3	baculoviral IAP repeat-containing 3
Hs.127930.1.4	chr8:39587383:39606049	39587530	c	NM_014237	6	CDS	8749	ADAM18	a disintegrin and metalloproteinase domain 18
Hs.127930.1.6	chr8:39587383:39606049	39587914	c	NM_014237	6	CDS	8749	ADAM18	a disintegrin and metalloproteinase domain 18
Hs.128067.1.9	chr2:175252785:175252361	175252418	c	BX640870	9	CDS	7456	WASPIP	Wiskott-Aldrich syndrome protein interacting protein
Hs.128130.1.13	chr8:613288:608793	612724	c	NM_207332	4	CDS	157697	LOC157697	hypothetical protein LOC157697
Hs.128130.1.8	chr8:608597:604677	605992	c	NM_207332	5	CDS	157697	LOC157697	hypothetical protein LOC157697
Hs.128258.1.16	chr13:42831986:42828289	42831868	c	NM_017993	6	CDS	55068	FLJ10094	hypothetical protein FLJ10094
Hs.128474.1.6	chr9:39108099:39099285	39107921	c	NM_033655	14	CDS	79937	CNTNAP3	contactin associated protein-like 3
Hs.128548.1.15	chr4:9755645:9755342	9755645	c	NM_005112	10	CDS	9948	WDR1	WD repeat domain 1
Hs.128696.1.15	chr5:54996277:54988360	54996145	c	NM_173514	8	CDS	153129	FLJ90709	hypothetical protein FLJ90709
Hs.128791.1.25	chr20:5875051:5873561	5874411	c	NM_015939	2	CDS	51605	CGI-09	CGI-09 protein
Hs.128823.1.3	chr5:177317270:177317414	177317357	c	AK126616	4	3UTR	NA	NA	NA
Hs.128824.1.14	chrX:67195781:67122196	67195605	c	NM_002547	15	CDS	4983	OPHN1	oligophrenin 1
Hs.128824.1.17	chrX:67213015:67209537	67210900	c	NM_002547	9	CDS	4983	OPHN1	oligophrenin 1
Hs.128846.1.14	chr20:1851292:1853409	1851423	c	NM_080792	5	CDS	140885	PTPNS1	protein tyrosine phosphatase, non-receptor type substrate 1
Hs.129550.1.11	chr3:52746641:52720926	52746554	c	NM_003157	15	CDS	6787	NEK4	NIMA (never in mitosis gene a)-related kinase 4
Hs.12967.1.34	chr6:152564801:152562918	152564756	c	NM_015293	50	CDS	23345	SYNE1	spectrin repeat containing, nuclear envelope 1
Hs.12967.1.74	chr6:152706836:152697422	152706466	c	NM_015293	10	CDS	23345	SYNE1	spectrin repeat containing, nuclear envelope 1
Hs.12967.1.82	chr6:152750089:152747523	152748527	c	NM_033071	75	CDS	23345	SYNE1	spectrin repeat containing, nuclear envelope 1
Hs.12967.1.87	chr6:152780466:152778269	152780249	c	NM_033071	62	CDS	23345	SYNE1	spectrin repeat containing, nuclear envelope 1
Hs.129673.1.19	chr17:7420735:7421097	7420998	c	NM_001416	5	CDS	1973	EIF4A1	eukaryotic translation initiation factor 4A, isoform 1
Hs.130031.1.34	chr5:14450264:14451988	14450450	c	NM_007118	29	CDS	7204	TRIO	triple functional domain (PTPRF interacting)
Hs.130031.1.37	chr5:14452180:14454071	14452507	c	NM_007118	30	CDS	7204	TRIO	triple functional domain (PTPRF interacting)
Hs.130054.1.7	chr1:170359886:170347810	170359534	c	NM_198493	2	CDS	339416	ANKRD45	ankyrin repeat domain 45
Hs.13014.1.28	chr22:41542773:41538362	41542718	c	NM_014570	9	CDS	26286	ARFGAP3	ADP-ribosylation factor GTPase activating protein 3
Hs.130306.1.7	chr18:61681134:61698616	61682341	c	NM_004361	11	CDS	1005	CDH7	cadherin 7, type 2
Hs.130413.1.22	chr13:98997360:98999419	98997704	c	NM_004800	11	CDS	9375	TM9SF2	transmembrane 9 superfamily member 2
Hs.130535.1.11	chr4_random:915541:900450	915418	c	NM_001004347	3	3UTR	441058	MGC39584	hypothetical gene supported by BC029568
Hs.130690.1.9	chr13:99315167:99316494	99315487	c	NM_138280	5	CDS	171425	CLYBL	citrate lyase beta like
Hs.130746.1.4	chr1:166119908:166098285	166119682	c	NM_021179	4	CDS	57821	C1orf114	chromosome 1 open reading frame 114
Hs.130759.1.26	chr3:147729098:147726133	147728429	c	NM_021105	4	CDS	5359	PLSCR1	phospholipid scramblase 1
Hs.130849.1.11	chr16:67924117:67922500	67924000	c	NM_032382	4	CDS	84342	COG8	component of oligomeric golgi complex 8
Hs.130849.1.12	chr16:67924117:67922500	67924042	c	NM_032382	4	CDS	84342	COG8	component of oligomeric golgi complex 8
Hs.130849.1.24	chr16:67930579:67928117	67930486	c	NM_032382	1	CDS	84342	COG8	component of oligomeric golgi complex 8
Hs.130853.1.1	chr6:26266767:26279181	26266841	c	NM_138720	1	3UTR	3017	HIST1H2BD	histone 1, H2bd
Hs.130988.1.23	chr19:45012854:45012508	45012686	c	NM_004714	4	CDS	9149	DYRK1B	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B
Hs.131017.1.19	chr13:23767007:23769500	23767224	c	NM_153023	9	CDS	221178	SPATA13	spermatogenesis associated 13
Hs.131367.1.7	chr10:26350584:26352956	26352416	c	NM_017433	8	CDS	53904	MYO3A	myosin IIIA
Hs.131686.1.20	chr17:64551224:64543538	64550651	c	NM_080283	6	CDS	10350	ABCA9	ATP-binding cassette, sub-family A (ABC1), member 9
Hs.131704.1.16	chr10:33526583:33521353	33526557	c	BX648250	12	CDS	8829	NRP1	neuropilin 1
Hs.131704.1.42	chr10:33659641:33599791	33659133	c	NM_001024629	3	CDS	8829	NRP1	neuropilin 1

Hs.131704.1.46	chr10:33663243:33659817	33663099	c	NM_001024629	2	CDS	8829	NRP1	neuropilin 1
Hs.131715.1.22	chr13:78794484:78792847	78794426	c	NM_022118	20	CDS	64062	C13orf10	chromosome 13 open reading frame 10
Hs.131715.1.46	chr13:78838190:78837855	78837896	c	NM_022118	8	CDS	64062	C13orf10	chromosome 13 open reading frame 10
Hs.131887.1.12	chr5:34980888:34981622	34980898	c	NM_001012339	8	CDS	134218	DNAJA5	DnaJ homology subfamily A member 5
Hs.131887.1.15	chr5:34985540:34986031	34985710	c	NM_194283	10	CDS	134218	DNAJA5	DnaJ homology subfamily A member 5
Hs.131903.1.13	chr6:169865500:169861515	169865382	c	NM_182552	16	CDS	253769	WDR27	WD repeat domain 27
Hs.131903.1.16	chr6:169876003:169869737	169875372	c	NM_182552	13	CDS	253769	WDR27	WD repeat domain 27
Hs.131903.1.28	chr6:169884863:169883285	169884645	c	NM_182552	6	CDS	253769	WDR27	WD repeat domain 27
Hs.132121.1.13	chr1:66838229:66845233	66838904	c	NM_032291	8	CDS	84251	SGIP1	SH3-domain GRB2-like (endophilin) interacting protein 1
Hs.132121.1.14	chr1:66848724:66849647	66848948	c	NM_032291	10	CDS	84251	SGIP1	SH3-domain GRB2-like (endophilin) interacting protein 1
Hs.132121.1.22	chr1:66868021:66873137	66868232	c	NM_032291	17	CDS	84251	SGIP1	SH3-domain GRB2-like (endophilin) interacting protein 1
Hs.132121.1.5	chr1:66803615:66810773	66803809	c	NM_032291	2	CDS	84251	SGIP1	SH3-domain GRB2-like (endophilin) interacting protein 1
Hs.132158.1.2	chr5:150866907:150865852	150866427	c	NM_001447	22	CDS	2196	FAT2	FAT tumor suppressor homolog 2 (Drosophila)
Hs.132158.1.8	chr5:150891340:150889147	150890872	c	NM_001447	13	CDS	2196	FAT2	FAT tumor suppressor homolog 2 (Drosophila)
Hs.132319.1.21	chr11:61486942:61488151	61487642	c	NM_004183	10	CDS	7439	VMD2	vitelliform macular dystrophy 2 (Best disease, bestrophin)
Hs.132340.1.11	chr6:3269066:3243452	3268575	c	NM_021945	5	CDS	63027	C6orf85	chromosome 6 open reading frame 85
Hs.132599.1.28	chr9:395074:396929	395099	c	NM_203447	26	CDS	81704	DOCK8	dedicator of cytokinesis 8
Hs.132864.1.28	chr17:37623694:37623009	37623234	c	NM_012448	9	CDS	6777	STAT5B	signal transducer and activator of transcription 5B
Hs.132966.1.15	chr7:116003797:116005502	116003885	c	NM_000245	12	CDS	4233	MET	met proto-oncogene (hepatocyte growth factor receptor)
Hs.132966.1.16	chr7:116003797:116005502	116003911	c	NM_000245	12	CDS	4233	MET	met proto-oncogene (hepatocyte growth factor receptor)
Hs.132966.1.25	chr7:116017475:116029659	116017580	c	NM_000245	19	CDS	4233	MET	met proto-oncogene (hepatocyte growth factor receptor)
Hs.133044.1.11	chr17:76411619:76426316	76412015	c	NM_020761	9	CDS	57521	raptor	raptor
Hs.133044.1.18	chr17:76512069:76513764	76512554	c	NM_020761	23	CDS	57521	raptor	raptor
Hs.133294.1.12	chr1:153320045:153318113	153319700	c	NM_178229	27	CDS	128239	IQGAP3	IQ motif containing GTPase activating protein 3
Hs.133321.1.23	chrX:154317820:154307631	154317636	c	NM_018196	3	CDS	55217	TMLHE	trimethyllysine hydroxylase, epsilon
Hs.133350.1.34	chr12:69024276:69026226	69026113	c	NM_014515	14	CDS	4848	CNOT2	CCR4-NOT transcription complex, subunit 2
Hs.13349.1.12	chr1:201677581:201678465	201677927	c	NM_001005387	17	3UTR	23114	NFASC	neurofascin
Hs.13349.1.20	chr1:201686900:201688202	201687457	c	NM_001005387	23	3UTR	23114	NFASC	neurofascin
Hs.133892.1.6	chr15:61123405:61136236	61123600	c	NM_000366	2	CDS	7168	TPM1	tropomyosin 1 (alpha)
Hs.133995.1.21	chr22:41959341:41952380	41958080	c	NM_173050	7	CDS	80274	SCUBE1	signal peptide, CUB domain, EGF-like 1
Hs.134296.1.47	chr8:13207148:13116655	13206487	c	NM_024767	5	CDS	10395	DLC1	deleted in liver cancer 1
Hs.134514.1.39	chr19:1010085:1012780	1010258	c	NM_019112	39	CDS	10347	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7
Hs.13453.1.6	chr9:94295908:94298076	94296197	c	NM_032558	5	CDS	84641	HIATL1	hippocampus abundant transcript-like 1
Hs.134602.1.272	chr2:179489719:179485486	179488728	c	NM_003319	6	CDS	7273	TTN	titin
Hs.13526.1.3	chr16:67454466:67458482	67454561	c	AB051533	3	CDS	79613	FLJ12688	hypothetical protein FLJ12688
Hs.135406.1.26	chr2:37366337:37362196	37365991	c	NM_005760	2	CDS	10153	CEBPZ	CCAAT/enhancer binding protein zeta
Hs.135471.1.4	chr15:88575169:88574742	88574887	c	NM_006384	6	CDS	10519	CIB1	calcium and integrin binding 1 (calmyrin)
Hs.135756.1.17	chr5:74922022:74929327	74922090	c	AY769932	10	CDS	51426	POLK	polymerase (DNA directed) kappa
Hs.135997.1.6	chr3:197533220:197531413	197533014	c	NM_152773	1	CDS	255758	MGC33212	hypothetical protein MGC33212
Hs.136280.1.4	chr19:1805279:1803595	1805225	c	NM_031918	2	3UTR	83855	KLF16	Kruppel-like factor 16
Hs.136398.1.33	chr9:86181887:86172962	86181412	c	NM_024617	10	CDS	79670	ZCCHC6	zinc finger, CCHC domain containing 6
Hs.136398.1.34	chr9:86181887:86172962	86181803	c	NM_024617	10	CDS	79670	ZCCHC6	zinc finger, CCHC domain containing 6
Hs.136398.1.41	chr9:86189445:86187633	86189343	c	NM_024617	5	CDS	79670	ZCCHC6	zinc finger, CCHC domain containing 6

Hs.13640.1.36	chr3:79070440:78878741	79070163	c	NM_002941	3	CDS	6091	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)
Hs.136778.1.16	chr16:83336781:83349822	83337137	c	NM_005153	4	CDS	9100	USP10	ubiquitin specific protease 10
Hs.136778.1.17	chr16:83336781:83349822	83337194	c	NM_005153	4	CDS	9100	USP10	ubiquitin specific protease 10
Hs.136829.1.11	chr9:3261002:3260526	3260929	c	NM_002919	11	CDS	5991	RFX3	regulatory factor X, 3 (influences HLA class II expression)
Hs.136829.1.5	chr9:3238031:3218890	3237037	c	NM_134428	16	CDS	5991	RFX3	regulatory factor X, 3 (influences HLA class II expression)
Hs.136982.1.3	chr15:98707035:98703356	98706660	c	NM_207383	2	3UTR	388182	FLJ42289	FLJ42289 protein
Hs.136982.1.4	chr15:98707035:98703356	98706714	c	NM_207383	2	3UTR	388182	FLJ42289	FLJ42289 protein
Hs.137183.1.16	chr11:116879769:116858088	116879440	c	NM_020693	11	CDS	57453	DSCAML1	Down syndrome cell adhesion molecule like 1
Hs.137183.1.20	chr11:116894390:116892665	116894323	c	NM_020693	7	CDS	57453	DSCAML1	Down syndrome cell adhesion molecule like 1
Hs.137270.1.15	chr10:23359732:23361795	23360130	c	NM_173081	18	CDS	219681	ARMC3	armadillo repeat containing 3
Hs.137415.1.10	chr2:36906080:36912584	36906455	c	NM_053276	7	CDS	5212	VIT	vitrin
Hs.137415.1.6	chr2:36897841:36905887	36898050	c	NM_053276	6	CDS	5212	VIT	vitrin
Hs.137415.1.7	chr2:36897841:36905887	36898469	c	NM_053276	6	CDS	5212	VIT	vitrin
Hs.13768.1.13	chr12:1774725:1773187	1774540	c	NM_001005737	36	3UTR	93589	CACNA2D4	calcium channel, voltage-dependent, alpha 2/delta subunit 4
Hs.13885.1.6	chr5:6430278:6427540	6430063	c	NM_032286	2	CDS	84246	TRG20	hypothetical protein MGC5309
Hs.139053.1.4	chrX:106116930:106115134	106116517	c	AK001878	7	CDS	55285	FLJ11016	hypothetical protein FLJ11016
Hs.139263.1.8	chrX:48827916:48827101	48827768	c	NM_005183	29	CDS	778	CACNA1F	calcium channel, voltage-dependent, alpha 1F subunit
Hs.13999.1.21	chr19:16826073:16834162	16826196	c	NM_015260	8	CDS	23309	SIN3B	SIN3 homolog B, transcription regulator (yeast)
Hs.13999.1.23	chr19:16826073:16834162	16826326	c	NM_015260	8	CDS	23309	SIN3B	SIN3 homolog B, transcription regulator (yeast)
Hs.13999.1.25	chr19:16826073:16834162	16826735	c	NM_015260	8	CDS	23309	SIN3B	SIN3 homolog B, transcription regulator (yeast)
Hs.142023.1.7	chr3:112780772:112786859	112780993	c	NM_005816	4	CDS	10225	CD96	CD96 antigen
Hs.142023.1.9	chr3:112808330:112825290	112808615	c	NM_005816	8	CDS	10225	CD96	CD96 antigen
Hs.142442.1.10	chr1:20816542:20814974	20816443	c	NM_016287	12	3UTR	50809	HP1BP3	heterochromatin protein 1, binding protein 3
Hs.142442.1.42	chr1:20848395:20847805	20848060	c	BC032139	4	CDS	50809	HP1BP3	heterochromatin protein 1, binding protein 3
Hs.143137.1.14	chr20:25552494:25545218	25550561	c	NM_152667	1	CDS	140838	HDHD4	haloacid dehalogenase-like hydrolase domain containing 4
Hs.143261.1.10	chr15:40473832:40476289	40473871	c	NM_000070	8	CDS	825	CAPN3	calpain 3, (p94)
Hs.143261.1.17	chr15:40482049:40482283	40482109	c	NM_173088	1	5UTR	825	CAPN3	calpain 3, (p94)
Hs.143674.1.11	chr2:33653363:33656669	33653476	c	NM_170672	5	CDS	25780	RASGRP3	RAS guanyl releasing protein 3 (calcium and DAG-regulated) glucosidase, alpha; acid (Pompe disease, glycogen storage disease type II)
Hs.1437.1.2	chr17:75690285:75692948	75691127	c	NM_000152	1	5UTR	2548	GAA	glucosidase, alpha; acid (Pompe disease, glycogen storage disease type II)
Hs.143733.1.13	chr11:27328454:27319674	27326995	c	NM_030771	3	CDS	91057	NY-REN-41	NY-REN-41 antigen
Hs.143929.1.5	chr12:10169162:10167230	10168612	c	NM_022570	3	CDS	64581	CLEC7A	C-type lectin domain family 7, member A
Hs.144073.1.6	chr9:136329054:136327067	136328625	c	NM_181701	10	CDS	169714	QSCN6L1	quiescin Q6-like 1
Hs.144114.1.16	chr4:114736094:114734582	114735948	c	NM_001221	17	CDS	817	CAMK2D	calcium/calmodulin-dependent protein kinase (CaM kinase) II delta
Hs.144197.1.10	chr4:115947065:115954684	115947170	c	NM_003360	4	CDS	7368	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)
Hs.144309.1.10	chr4:717579:718719	718263	c	NM_006315	4	CDS	10336	PCGF3	polycomb group ring finger 3
Hs.144531.1.2	chr17:72389976:72410231	72390204	c	NM_144677	3	CDS	146664	MGAT5B	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetylglucosaminyltransferase, isoenzyme B
Hs.144941.1.29	chr1:46475254:46464192	46474434	c	AK125827	2	CDS	10489	LRRC41	leucine rich repeat containing 41
Hs.145209.1.27	chr15:41100764:41096672	41100575	c	NM_174916	27	CDS	197131	UBR1	ubiquitin protein ligase E3 component n-recognin 1
Hs.145386.1.13	chr8:87560267:87558670	87560105	c	NM_016033	7	CDS	51115	FAM82B	family with sequence similarity 82, member B
Hs.145402.1.10	chr9:26980194:26999017	26980194	c	NM_025103	8	CDS	80173	CCDC2	coiled-coil domain containing 2
Hs.14559.1.18	chr10:95268696:95269428	95268858	c	NM_018131	7	CDS	55165	C10orf3	chromosome 10 open reading frame 3

Hs.145675.1.10	chr10:108370175:108368021	108369866	c	NM_001013031	20	CDS	114815	SORCS1	sortilin-related VPS10 domain containing receptor 1
Hs.145932.1.11	chr11:68271251:68269156	68271196	c	NM_004923	3	CDS	9633	MTL5	metallothionein-like 5, testis-specific (tesmin)
Hs.145932.1.8	chr11:68262743:68239984	68262637	c	NM_004923	6	CDS	9633	MTL5	metallothionein-like 5, testis-specific (tesmin)
Hs.145932.1.9	chr11:68269034:68266439	68268917	c	NM_004923	4	CDS	9633	MTL5	metallothionein-like 5, testis-specific (tesmin)
Hs.146007.1.23	chr2:65213190:65216652	65213727	c	NM_015147	4	CDS	23177	KIAA0582	KIAA0582
Hs.146022.1.7	chr2:135458975:135462266	135459207	c	NM_138326	6	CDS	130013	ACMSD	aminocarboxymuconate semialdehyde decarboxylase
Hs.146162.1.11	chr4:147721539:147604754	147720422	c	AK075364	3	CDS	84068	C4orf13	chromosome 4 open reading frame 13
Hs.146246.1.5	chr8:27818213:27793203	27817805	c	NM_173833	7	CDS	286133	MGC45780	hypothetical protein MGC45780
Hs.146393.1.4	chr16:55526889:55528099	55526970	c	NM_001010989	3	CDS	9709	HERPUD1	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1
Hs.146393.1.9	chr16:55531659:55533544	55531710	c	NM_001010989	6	CDS	9709	HERPUD1	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1
Hs.146447.1.88	chr15:46724094:46692582	46720478	c	NM_000138	1	CDS	2200	FBN1	fibrillin 1 (Marfan syndrome)
Hs.146520.1.16	chr15:38636706:38633619	38636497	c	NM_052849	3	CDS	90416	MGC20481	hypothetical protein MGC20481
Hs.146542.1.16	chr1:71875711:71788851	71875500	c	BX538014	4	CDS	257194	NEGR1	neuronal growth regulator 1
Hs.146542.1.17	chr1:71875711:71788851	71875640	c	BX538014	4	CDS	257194	NEGR1	neuronal growth regulator 1
Hs.146551.1.20	chr4:80157225:80165506	80157768	c	NM_198892	14	CDS	55589	BMP2K	BMP2 inducible kinase
Hs.1466.1.18	chrX:30498770:30501874	30498946	c	NM_000167	17	CDS	2710	GK	glycerol kinase
Hs.146806.1.7	chr7:147865003:147888715	147865304	c	NM_003592	2	CDS	8454	CUL1	cullin 1
Hs.147054.1.9	chr6:55486804:55472057	55484832	c	NM_019036	6	CDS	54511	HMGCLL1	3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase-like 1
Hs.147276.1.2	chr14:76365260:76367298	76365399	c	NM_194287	3	5UTR	145497	C14orf166B	chromosome 14 open reading frame 166B
Hs.147305.1.6	chr3:147658895:147655945	147658818	c	NM_020359	4	CDS	57047	PLSCR2	phospholipid scramblase 2
Hs.147434.1.24	chr1:206341115:206342209	206341394	c	NM_025228	14	CDS	80342	TRAF3IP3	TRAF3 interacting protein 3
Hs.147441.1.2	chr6:73808507:73843765	73808631	c	NM_019842	3	CDS	56479	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5
Hs.147441.1.4	chr6:73890957:73899864	73891094	c	NM_019842	9	CDS	56479	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5
Hs.147762.1.5	chr2:219717876:219716387	219716775	c	NM_194302	1	CDS	255101	DKFZp434O0527	hypothetical protein DKFZp434O0527
Hs.14794.1.8	chr19:61753787:61756864	61754210	c	NM_020828	7	CDS	140612	ZFP28	zinc finger protein 28 homolog (mouse)
Hs.14794.1.9	chr19:61753787:61756864	61756316	c	NM_020828	7	CDS	140612	ZFP28	zinc finger protein 28 homolog (mouse)
Hs.148078.1.146	chr1:19281872:19273616	19281223	c	NM_020765	1	CDS	23352	RBAF600	retinoblastoma-associated factor 600
Hs.14846.1.23	chr13:29007955:29005120	29007955	c	NM_003045	3	CDS	6541	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1
Hs.148768.1.10	chr7:102508467:102506268	102508367	c	NM_182634	5	5UTR	349152	FLJ36166	hypothetical protein FLJ36166
Hs.148768.1.19	chr7:102512011:102510026	102511775	c	NM_182634	4	5UTR	349152	FLJ36166	hypothetical protein FLJ36166
Hs.148768.1.22	chr7:102512642:102512037	102512061	c	NM_182634	3	5UTR	349152	FLJ36166	hypothetical protein FLJ36166
Hs.148778.1.8	chr8:107788550:107792025	107788985	c	NM_181354	7	CDS	55074	OXR1	oxidation resistance 1
Hs.148909.1.12	chr3:380067:382632	380185	c	NM_006614	14	CDS	10752	CHL1	cell adhesion molecule with homology to L1CAM (close homolog of L1)
Hs.149133.1.4	chr20:5979424:5973327	5978851	c	NM_152611	3	CDS	164312	C20orf75	chromosome 20 open reading frame 75
Hs.149185.1.7	chr18:70327144:70329027	70327551	c	NM_018235	5	CDS	55748	CNDP2	CNDP dipeptidase 2 (metallopeptidase M20 family)
Hs.149360.1.36	chr1:86564618:86563295	86564514	c	NM_020729	2	CDS	57489	KIAA1229	KIAA1229 protein
Hs.149367.1.16	chr6:97095253:97097490	97095437	c	NM_015323	11	CDS	23376	KIAA0776	KIAA0776
Hs.149367.1.17	chr6:97095253:97097490	97096532	c	NM_015323	11	CDS	23376	KIAA0776	KIAA0776
Hs.149487.1.8	chr3:15430531:15427949	15430182	c	NM_152396	5	CDS	131965	MGC24132	hypothetical protein MGC24132
Hs.149809.1.7	chr6:70992355:70983506	70992038	c	NM_001851	37	CDS	1297	COL9A1	collagen, type IX, alpha 1
Hs.150444.1.24	chr12:86990014:86989078	86989842	c	AB002371	3	CDS	80184	Cep290	centrosome protein cep290
Hs.150557.1.7	chr9:70257328:70232476	70257178	c	NM_001206	1	CDS	687	KLF9	Kruppel-like factor 9

Hs.150693.1.27	chr3:106754120:106773385	106754273	c	NM_001627	14	CDS	214	ALCAM	activated leukocyte cell adhesion molecule
Hs.150693.1.28	chr3:106754120:106773385	106754380	c	NM_001627	14	CDS	214	ALCAM	activated leukocyte cell adhesion molecule
Hs.150693.1.29	chr3:106754120:106773385	106754705	c	NM_001627	14	CDS	214	ALCAM	activated leukocyte cell adhesion molecule
Hs.150693.1.5	chr3:106726043:106733535	106726488	c	NM_001627	3	CDS	214	ALCAM	activated leukocyte cell adhesion molecule
Hs.150718.1.3	chr11:133515876:133519345	133516058	c	NM_032801	3	CDS	83700	JAM3	junctional adhesion molecule 3
Hs.151184.1.1	chr2:200162863:200166705	200162987	c	NM_153031	1	3UTR	150538	FLJ32063	hypothetical protein FLJ32063
Hs.151220.1.26	chr4:170199788:170209807	170200142	c	NM_016081	14	CDS	23022	KIAA0992	palladin
Hs.151220.1.6	chr4:170007805:170186802	170008159	c	NM_016081	10	CDS	23022	KIAA0992	palladin
Hs.151411.1.33	chr13:76538127:76536871	76538096	c	NM_015057	73	CDS	23077	MYCBP2	MYC binding protein 2
Hs.151411.1.79	chr13:76593508:76571150	76593362	c	NM_015057	56	CDS	23077	MYCBP2	MYC binding protein 2
Hs.151411.1.92	chr13:76622869:76618354	76622426	c	NM_015057	48	CDS	23077	MYCBP2	MYC binding protein 2
Hs.151710.1.10	chr5:149243184:149227915	149242937	c	NM_000440	17	CDS	5145	PDE6A	phosphodiesterase 6A, cGMP-specific, rod, alpha
Hs.151761.1.81	chr17:23990459:23989788	23990206	c	NM_014680	11	CDS	9703	KIAA0100	KIAA0100 gene product
Hs.152774.1.27	chr2:202085542:202085102	202085429	c	NM_015049	8	CDS	66008	ALS2CR3	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 3
Hs.152944.1.20	chr11:123500234:123510836	123500701	c	NM_014622	10	CDS	4013	LOH11CR2A	loss of heterozygosity, 11, chromosomal region 2, gene A
Hs.152944.1.21	chr11:123500234:123510836	123500753	c	NM_014622	10	CDS	4013	LOH11CR2A	loss of heterozygosity, 11, chromosomal region 2, gene A
Hs.153458.1.13	chr7:138418149:138421318	138419715	c	AK125956	12	CDS	254048	FLJ25778	hypothetical protein FLJ25778
Hs.153485.1.6	chr17:54704980:54705793	54705164	c	NM_182569	9	CDS	284161	GDPD1	glycerophosphodiester phosphodiesterase domain containing 1
Hs.153504.1.24	chr17:50369587:50371283	50369622	c	NM_005486	10	CDS	10040	TOM1L1	target of myb1-like 1 (chicken)
Hs.153504.1.25	chr17:50369587:50371283	50369679	c	NM_005486	10	CDS	10040	TOM1L1	target of myb1-like 1 (chicken)
Hs.153546.1.31	chr5:137570134:137565744	137569465	c	NM_004661	3	CDS	8697	CDC23	CDC23 (cell division cycle 23, yeast, homolog)
Hs.153563.1.17	chr2:160513687:160501939	160513538	c	NM_002349	28	CDS	4065	LY75	lymphocyte antigen 75
Hs.153629.1.31	chr19:19154381:19152571	19153687	c	NM_005919	4	5UTR	4207	MEF2B	MADS box transcription enhancer factor 2, polypeptide B (myocyte enhancer factor 2B)
Hs.153629.1.38	chr19:19154381:19152571	19154262	c	NM_005919	4	5UTR	4207	MEF2B	MADS box transcription enhancer factor 2, polypeptide B (myocyte enhancer factor 2B)
Hs.153934.1.2	chr20:31658567:31662560	31658700	c	NM_005093	3	CDS	9139	CBFA2T2	core-binding factor, runt domain, alpha subunit 2; translocated to, 2
Hs.153934.1.25	chr20:31697256:31698961	31697263	c	BC040344	11	3UTR	9139	CBFA2T2	core-binding factor, runt domain, alpha subunit 2; translocated to, 2
Hs.153934.1.26	chr20:31697256:31698961	31697352	c	BC040344	11	3UTR	9139	CBFA2T2	core-binding factor, runt domain, alpha subunit 2; translocated to, 2
Hs.153952.1.1	chr6:86216916:86233496	86217557	c	NM_002526	1	CDS	4907	NT5E	5'-nucleotidase, ecto (CD73)
Hs.153952.1.8	chr6:86237863:86251671	86238032	c	NM_002526	3	CDS	4907	NT5E	5'-nucleotidase, ecto (CD73)
Hs.1540.1.31	chr18:236323:216902	236068	c	NM_005131	11	CDS	9984	THOC1	THO complex 1
Hs.154163.1.12	chr21:46894080:46903084	46894228	c	NM_001535	6	CDS	3275	HRMT1L1	HMT1 hnRNP methyltransferase-like 1 (S. cerevisiae)
Hs.154163.1.25	chr21:46903261:46905172	46904477	c	NM_001535	7	CDS	3275	HRMT1L1	HMT1 hnRNP methyltransferase-like 1 (S. cerevisiae)
Hs.154163.1.28	chr21:46905303:46906139	46905611	c	NM_001535	8	CDS	3275	HRMT1L1	HMT1 hnRNP methyltransferase-like 1 (S. cerevisiae)
Hs.154163.1.8	chr21:46888829:46892797	46889051	c	NM_001535	4	CDS	3275	HRMT1L1	HMT1 hnRNP methyltransferase-like 1 (S. cerevisiae)
Hs.154429.1.11	chr20:60187808:60188619	60188269	c	NM_015558	11	3UTR	26039	SS18L1	synovial sarcoma translocation gene on chromosome 18-like 1
Hs.154628.1.16	chr6:159390875:159385368	159390734	c	NM_031924	1	CDS	83861	RSHL2	radial spokehead-like 2
Hs.155090.1.28	chr15:50229372:50227025	50228767	c	NM_006578	3	CDS	10681	GNB5	guanine nucleotide binding protein (G protein), beta 5
Hs.155165.1.3	chr11:64608849:64609162	64609051	c	NM_006782	2	CDS	7542	ZFPL1	zinc finger protein-like 1

Hs.155586.1.10	chr12:6886871:6889314	6887125	c	NM_201650	5	CDS	10233	B7	B7 gene
Hs.155586.1.11	chr12:6886871:6889314	6887158	c	NM_201650	5	CDS	10233	B7	B7 gene
Hs.155742.1.8	chr9:37418570:37419728	37418772	c	NM_012203	5	CDS	9380	GRHPR	glyoxylate reductase/hydroxypyruvate reductase
Hs.155829.1.43	chr5:179247708:179239396	179247183	c	NM_015043	7	CDS	23061	KIAA0676	KIAA0676 protein
Hs.15591.1.4	chr7:99332021:99332672	99332139	c	NM_006833	3	CDS	10980	COPS6	COP9 constitutive photomorphogenic homolog subunit 6 (Arabidopsis)
Hs.155912.1.21	chr14:22591018:22588993	22590662	c	NM_022478	8	CDS	64403	CDH24	cadherin-like 24
Hs.155919.1.30	chr6:128367921:128361743	128367879	c	NM_002844	15	CDS	5796	PTPRK	protein tyrosine phosphatase, receptor type, K
Hs.155919.1.51	chr6:128684876:128605441	128684241	c	NM_002844	3	CDS	5796	PTPRK	protein tyrosine phosphatase, receptor type, K
Hs.155942.1.14	chr15:29140038:29130078	29139732	c	NM_002420	10	CDS	4308	TRPM1	transient receptor potential cation channel, subfamily M, member 1
Hs.155942.1.21	chr15:29149525:29147588	29148885	c	NM_002420	3	CDS	4308	TRPM1	transient receptor potential cation channel, subfamily M, member 1
Hs.155942.1.27	chr15:29149525:29147588	29149514	c	NM_002420	3	CDS	4308	TRPM1	transient receptor potential cation channel, subfamily M, member 1
Hs.155959.1.6	chr7:3764794:3771803	3764982	c	NM_152744	7	CDS	221935	SDK1	sidekick homolog 1 (chicken)
Hs.156178.1.13	chr8:98047451:98110806	98047466	c	NM_016134	5	CDS	10404	PGCP	plasma glutamate carboxypeptidase
Hs.156231.1.16	chr16:86002622:86001443	86002522	c	NM_015144	12	CDS	23174	ZCCHC14	zinc finger, CCHC domain containing 14
Hs.156231.1.5	chr16:85998784:85998122	85998456	c	NM_015144	13	3UTR	23174	ZCCHC14	zinc finger, CCHC domain containing 14
Hs.156506.1.12	chr5:133775205:133774673	133774948	c	BC018086	1	CDS	91368	MGC13017	similar to RIKEN cDNA A430101B06 gene
Hs.156540.1.12	chr15:30771257:30776006	30771797	c	NM_003020	5	CDS	6447	SGNE1	secretory granule, neuroendocrine protein 1 (7B2 protein)
Hs.156667.1.39	chr12:52402075:52401667	52401904	c	NM_020898	5	CDS	57658	CALCOCO1	calcium binding and coiled-coil domain 1
Hs.156727.1.10	chr5:14765982:14764420	14765806	c	NM_054027	11	CDS	56172	ANKH	ankylosis, progressive homolog (mouse)
Hs.156967.1.38	chr5:115850343:115846171	115850252	c	NM_020796	10	CDS	57556	SEMA6A	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A
Hs.157002.1.15	chr13:95034990:95032569	95034833	c	NM_014934	21	CDS	22873	DZIP1	DAZ interacting protein 1
Hs.157002.1.38	chr13:95080243:95075185	95080138	c	NM_014934	7	CDS	22873	DZIP1	DAZ interacting protein 1
Hs.157031.1.25	chr18:57931346:57928187	57930925	c	NM_012327	15	CDS	23556	PIGN	phosphatidylinositol glycan, class N
Hs.157031.1.32	chr18:57972757:57966552	57972575	c	NM_012327	6	CDS	23556	PIGN	phosphatidylinositol glycan, class N
Hs.157078.1.17	chr1:209568865:209567192	209568280	c	NM_144567	4	CDS	90806	ANGEL2	angel homolog 2 (Drosophila)
Hs.157106.1.10	chr9:6883233:6970924	6883267	c	NM_015061	8	CDS	23081	JMJD2C	jumonji domain containing 2C
Hs.157106.1.21	chr9:7004002:7005852	7004337	c	NM_015061	14	CDS	23081	JMJD2C	jumonji domain containing 2C
Hs.157106.1.23	chr9:7004002:7005852	7004407	c	NM_015061	14	CDS	23081	JMJD2C	jumonji domain containing 2C
Hs.157106.1.6	chr9:6804746:6839506	6805149	c	NM_015061	4	CDS	23081	JMJD2C	jumonji domain containing 2C
Hs.157284.1.6	chr8:51784092:51867783	51784296	c	AJ003030	16	CDS	54212	SNTG1	syntrophin, gamma 1
Hs.158195.1.12	chr6:122783067:122784993	122783252	c	NM_004506	7	CDS	3298	HSF2	heat shock transcription factor 2
Hs.158497.1.25	chr1:44093655:44095013	44094250	c	NM_014652	11	CDS	9670	IPO13	importin 13
Hs.158992.1.2	chr10:8134368:8133548	8134212	c	NM_207423	1	5UTR	399717	FLJ45983	FLJ45983 protein
Hs.159014.1.47	chr6:4006381:4006887	4006830	c	NM_176800	15	3UTR	8899	PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)
Hs.159066.1.23	chr10:115912385:115907430	115911357	c	NM_018017	2	CDS	55088	C10orf118	chromosome 10 open reading frame 118
Hs.159195.1.24	chr10:128816019:128936261	128816211	c	NM_001380	27	CDS	1793	DOCK1	dedicator of cytokinesis 1
Hs.159195.1.26	chr10:128816019:128936261	128816350	c	NM_001380	27	CDS	1793	DOCK1	dedicator of cytokinesis 1
Hs.159195.1.42	chr10:129103493:129106618	129103848	c	NM_001380	44	CDS	1793	DOCK1	dedicator of cytokinesis 1
Hs.159281.1.2	chrY:24530368:24529949	24530065	c	NM_004680	1	CDS	9085	CDY1	chromodomain protein, Y-linked, 1
Hs.159291.1.5	chrX:100312218:100313738	100312954	c	NM_001939	16	CDS	1821	DRP2	dystrophin related protein 2
Hs.159430.1.17	chr3:173511374:173529443	173511424	c	NM_022763	10	CDS	64778	FNDC3B	fibronectin type III domain containing 3B
Hs.159481.1.13	chr12:56310201:56309197	56309379	c	NM_001478	6	CDS	2583	GALGT	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminy)-galactosylglucosylceramide N-acetylgalactosaminyltransferase (GalNAc-T)
Hs.159492.1.5	chr13:22825923:22813830	22825878	c	NM_014363	5	CDS	26278	SACS	spastic ataxia of Charlevoix-Saguenay (sacsin)
Hs.159494.1.17	chrX:100417916:100417402	100417644	c	NM_000061	14	CDS	695	BTK	Bruton agammaglobulinemia tyrosine kinase

Hs.159546.1.2	chrX:152512469:152515533	152512687	c	NM_000033	1	CDS	215	ABCD1	ATP-binding cassette, sub-family D (ALD), member 1
Hs.159918.1.13	chr7:10826774:10835734	10826926	c	NM_001007157	5	CDS	9678	PHF14	PHD finger protein 14
Hs.160063.1.5	chr2:65893569:66037976	65893688	c	NM_001004345	6	3UTR	440867	FLJ16124	FLJ16124 protein
Hs.160550.1.14	chr17:1435956:1433381	1435293	c	NM_152346	10	CDS	124935	SLC43A2	solute carrier family 43, member 2
Hs.160556.1.32	chr17:32592807:32586816	32592627	c	NM_000664	43	3UTR	31	ACACA	acetyl-Coenzyme A carboxylase alpha
Hs.160871.1.14	chr12:15631253:15633655	15631377	c	NM_002848	23	CDS	5800	PTPRO	protein tyrosine phosphatase, receptor type, O
Hs.160871.1.5	chr12:15561158:15564401	15561264	c	NM_002848	9	CDS	5800	PTPRO	protein tyrosine phosphatase, receptor type, O
Hs.160976.1.19	chr16:20704982:20709409	20705137	c	NM_005622	9	CDS	6296	SAH	SA hypertension-associated homolog (rat)
Hs.161640.1.19	chr16:70167325:70165011	70166827	c	NM_000353	3	CDS	6898	TAT	tyrosine aminotransferase
Hs.16165.1.17	chr17:73628328:73627069	73627829	c	NM_007267	13	CDS	11322	EVER1	epidermodysplasia verruciformis 1
Hs.161840.1.5	chr1:243457037:243435171	243457007	c	NM_020394	6	3UTR	57116	ZNF695	zinc finger protein 695
Hs.161851.1.8	chr20:61535605:61533167	61535478	c	NM_172106	8	CDS	3785	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2
Hs.161985.1.10	chr11:117483801:117484780	117484148	c	NM_019894	6	CDS	56649	TMPRSS4	transmembrane protease, serine 4
Hs.162016.1.19	chr20:45721847:45721604	45721807	c	NM_018837	19	CDS	55959	SULF2	sulfatase 2
Hs.162016.1.33	chr20:45726280:45725774	45726195	c	NM_018837	15	CDS	55959	SULF2	sulfatase 2
Hs.162032.1.28	chr7:106430548:106434555	106430592	c	NM_012257	9	CDS	26959	HBP1	HMG-box transcription factor 1
Hs.162032.1.29	chr7:106430548:106434555	106430648	c	NM_012257	9	CDS	26959	HBP1	HMG-box transcription factor 1
Hs.162032.1.31	chr7:106430548:106434555	106431518	c	NM_012257	9	CDS	26959	HBP1	HMG-box transcription factor 1
Hs.162032.1.33	chr7:106434698:106435809	106434727	c	NM_012257	10	CDS	26959	HBP1	HMG-box transcription factor 1
Hs.162121.1.14	chr1:157074197:157073550	157074083	c	NM_004371	33	CDS	1314	COPA	coatamer protein complex, subunit alpha
Hs.162121.1.66	chr1:157116465:157115421	157116289	c	NM_004371	7	CDS	1314	COPA	coatamer protein complex, subunit alpha
Hs.162121.1.72	chr1:157122771:157118186	157122569	c	NM_004371	5	CDS	1314	COPA	coatamer protein complex, subunit alpha
Hs.162125.1.9	chr9:3846008:3819493	3845439	c	NM_152629	8	CDS	169792	GLIS3	GLIS family zinc finger 3
Hs.162397.1.23	chr8:28707242:28701326	28707153	c	NM_018250	10	CDS	55756	RC74	related to CPSF subunits 74 kDa
Hs.162646.1.12	chr3:12422581:12450396	12422670	c	AJ698135	5	CDS	5468	PPARG	peroxisome proliferative activated receptor, gamma
Hs.162659.1.6	chr9:126237531:126263686	126239466	c	NM_033446	6	CDS	89853	C9orf28	chromosome 9 open reading frame 28
Hs.162777.1.21	chr14:49216192:49210896	49216089	c	NM_002692	3	CDS	5427	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)
Hs.162795.1.5	chr16:80662234:80682007	80662408	c	NM_002153	3	CDS	3294	HSD17B2	hydroxysteroid (17-beta) dehydrogenase 2
Hs.162889.1.12	chr14:80062965:80041117	80062810	c	NM_152446	22	CDS	145508	C14orf145	chromosome 14 open reading frame 145
Hs.162889.1.13	chr14:80279171:80116521	80278852	c	NM_152446	18	CDS	145508	C14orf145	chromosome 14 open reading frame 145
Hs.16291.1.18	chr11:117581806:117579591	117581550	c	NM_153206	4	CDS	120425	AMICA1	adhesion molecule, interacts with CXADR antigen 1
Hs.162963.1.12	chr4:81255953:81185801	81255840	c	NM_058172	16	CDS	118429	ANTXR2	anthrax toxin receptor 2
Hs.162963.1.7	chr4:81185737:81184506	81185495	c	AK055636	17	3UTR	118429	ANTXR2	anthrax toxin receptor 2
Hs.162989.1.13	chr15:43601453:43590775	43601100	c	NM_013309	2	CDS	7782	SLC30A4	solute carrier family 30 (zinc transporter), member 4
Hs.162989.1.14	chr15:43601453:43590775	43601260	c	NM_013309	2	CDS	7782	SLC30A4	solute carrier family 30 (zinc transporter), member 4
Hs.163070.1.4	chr9:27282398:27281062	27282140	c	NM_020641	4	CDS	54586	C9orf11	chromosome 9 open reading frame 11
Hs.163173.1.28	chr2:162992781:162988873	162992164	c	NM_022168	2	CDS	64135	IFIH1	interferon induced with helicase C domain 1
Hs.163348.1.3	chr11:32594061:32593065	32593998	c	NM_001008391	6	CDS	493860	LOC493860	sarcoma antigen NY-SAR-79
Hs.163909.1.2	chr2:241855251:241858720	241855570	c	NM_001001891	4	CDS	50636	TMEM16G	transmembrane protein 16G
Hs.164060.1.25	chr7:50459976:50458254	50459978	c	NM_001001550	7	CDS	2887	GRB10	growth factor receptor-bound protein 10
Hs.164070.1.19	chr1:148680556:148675764	148680383	c	NM_176853	2	CDS	117145	CTMP	C-terminal modulator protein
Hs.164162.1.8	chr2:43879834:43881530	43880155	c	NM_172069	21	CDS	130271	PLEKHH2	pleckstrin homology domain containing, family H (with MyTH4 domain) member 2
Hs.1645.1.8	chr1:47110452:47108003	47109201	c	NM_000778	11	CDS	1579	CYP4A11	cytochrome P450, family 4, subfamily A, polypeptide 11
Hs.1645.1.9	chr1:47110452:47108003	47110123	c	NM_000778	11	CDS	1579	CYP4A11	cytochrome P450, family 4, subfamily A, polypeptide 11

Hs.164682.1.40	chr7:91784908:91783377	91784830	c	NM_000466	8	CDS	5189	PEX1	peroxisome biogenesis factor 1
Hs.164705.1.7	chr11:122280363:122300814	122280576	c	NM_024806	3	CDS	79864	FLJ23554	hypothetical protein FLJ23554
Hs.165328.1.10	chr16:68577784:68574162	68577718	c	BC063633	18	3UTR	283970	LOC283970	hypothetical protein LOC283970
Hs.165551.1.22	chr22:16756767:16754302	16756401	c	CR456364	6	CDS	57553	MICAL3	microtubule associated monooxygenase, calponin and LIM domain containing 3
Hs.165575.1.12	chr5:41970168:41975299	41970949	c	NM_012176	5	CDS	26272	FBXO4	F-box protein 4
Hs.165830.1.15	chr3:170315872:170313365	170315612	c	NM_005241	7	CDS	2122	EV11	ecotropic viral integration site 1
Hs.165830.1.22	chr3:170321545:170317230	170321378	c	NM_005241	6	CDS	2122	EV11	ecotropic viral integration site 1
Hs.165859.1.14	chr2:69241724:69261799	69242213	c	NM_018153	10	CDS	84168	ANTXR1	anthrax toxin receptor 1
Hs.165859.1.27	chr2:69309073:69320568	69309357	c	NM_032208	14	CDS	84168	ANTXR1	anthrax toxin receptor 1
Hs.166003.1.3	chr8:24380392:24382169	24381050	c	NM_003817	6	CDS	8756	ADAM7	a disintegrin and metalloproteinase domain 7
Hs.166068.1.14	chr2:219185987:219178650	219185915	c	NM_020935	14	CDS	57695	USP37	ubiquitin specific protease 37
Hs.166313.1.12	chr6:153457148:153439793	153456773	c	NM_012419	2	CDS	26575	RGS17	regulator of G-protein signalling 17
Hs.166463.1.16	chr1:241345799:241345502	241345626	c	NM_004501	10	CDS	3192	HNRPU	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)
Hs.166924.1.13	chr3:10328648:10322377	10328260	c	NM_030673	6	CDS	6396	SEC13L1	SEC13-like 1 (S. cerevisiae)
Hs.166924.1.14	chr3:10328648:10322377	10328298	c	NM_030673	6	CDS	6396	SEC13L1	SEC13-like 1 (S. cerevisiae)
Hs.16695.1.15	chr3:49821412:49820906	49821157	c	NM_003335	18	CDS	7318	UBE1L	ubiquitin-activating enzyme E1-like
Hs.166975.1.10	chr14:69305722:69306936	69305965	c	U30827	4	3UTR	6430	SFRS5	splicing factor, arginine/serine-rich 5
Hs.167451.1.13	chr11:116233735:116225210	116232843	c	NM_025164	20	CDS	23387	KIAA0999	KIAA0999 protein
Hs.167531.1.23	chr5:70972667:70975353	70972951	c	BC014897	10	CDS	64087	MCCC2	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)
Hs.167531.1.24	chr5:70972667:70975353	70973003	c	BC014897	10	CDS	64087	MCCC2	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)
Hs.16803.1.21	chr16:217986:217337	217746	c	BC065198	1	CDS	55692	LUC7L	LUC7-like (S. cerevisiae)
Hs.16803.1.4	chr16:179967:179340	179525	c	NM_201412	9	CDS	55692	LUC7L	LUC7-like (S. cerevisiae)
Hs.168718.1.9	chr4:74728502:74729865	74728716	c	NM_001133	10	CDS	173	AFM	afamin
Hs.169047.1.14	chr19:19220692:19221574	19220828	c	NM_004386	13	CDS	1463	CSPG3	chondroitin sulfate proteoglycan 3 (neurocan)
Hs.169441.1.7	chr3:65321913:65319868	65319987	c	AF401654	23	CDS	9223	MAGI1	membrane associated guanylate kinase, WW and PDZ domain containing 1
Hs.169943.1.10	chr8:69267315:69292404	69267415	c	NM_024870	37	CDS	80243	DEPDC2	DEP domain containing 2
Hs.170128.1.11	chr8:110608426:110611484	110608432	c	NM_177531	77	CDS	93035	PKHD1L1	polycystic kidney and hepatic disease 1 (autosomal recessive)-like 1
Hs.170131.1.21	chr19:3404915:3407547	3405348	c	NM_205843	9	CDS	4782	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)
Hs.170422.1.11	chr13:112767401:112768360	112767618	c	NM_024979	7	CDS	23263	MCF2L	MCF.2 cell line derived transforming sequence-like
Hs.170553.1.8	chr8:17134306:17132729	17133395	c	NM_013354	6	CDS	29883	CNOT7	CCR4-NOT transcription complex, subunit 7
Hs.170835.1.19	chrX:152248914:152243534	152248412	c	NM_017518	4	CDS	55559	UIP1	26S proteasome-associated UCH interacting protein 1
Hs.171054.1.23	chr5:31353789:31358681	31354192	c	NM_004932	11	CDS	1004	CDH6	cadherin 6, type 2, K-cadherin (fetal kidney)
Hs.171189.1.20	chr7:17156718:17158114	17157378	c	BC070080	11	3UTR	196	AHR	aryl hydrocarbon receptor
Hs.171265.1.12	chr12:67005487:67003288	67005052	c	NM_017440	4	CDS	56890	MDM1	Mdm4, transformed 3T3 cell double minute 1, p53 binding protein (mouse)
Hs.171265.1.13	chr12:67005487:67003288	67005151	c	NM_017440	4	CDS	56890	MDM1	Mdm4, transformed 3T3 cell double minute 1, p53 binding protein (mouse)
Hs.171311.1.7	chr10:15679211:15674310	15678700	c	NM_003638	21	CDS	8516	ITGA8	integrin, alpha 8
Hs.171426.1.4	chr6:126218080:126237727	126218932	c	NM_181782	4	CDS	135112	NCOA7	nuclear receptor coactivator 7
Hs.171458.1.29	chrX:129762557:129761241	129761269	c	NM_006375	1	5UTR	10495	COVA1	cytosolic ovarian carcinoma antigen 1
Hs.171844.1.18	chr19:49854009:49856398	49854202	c	NM_006505	6	CDS	5817	PVR	poliovirus receptor
Hs.17253.1.7	chr6:33803841:33802662	33803545	c	NM_054111	3	CDS	117283	IHPK3	inositol hexaphosphate kinase 3
Hs.17255.1.12	chr21:31979232:31966539	31978179	c	NM_020706	19	CDS	57466	SFRS15	splicing factor, arginine/serine-rich 15
Hs.17267.1.11	chr9:15864662:15910267	15864730	c	NM_173550	24	CDS	203238	C9orf93	chromosome 9 open reading frame 93
Hs.17267.1.4	chr9:15647218:15656160	15650144	c	NM_173550	8	CDS	203238	C9orf93	chromosome 9 open reading frame 93

Hs.172847.1.13	chr11:63756914:63757941	63757092	c	BC044584	5	CDS	3338	DNAJC4	DnaJ (Hsp40) homolog, subfamily C, member 4
Hs.173024.1.28	chr7:150508978:150510581	150509358	c	AF459743	12	CDS	51667	NYREN18	NEDD8 ultimate buster-1
Hs.173059.1.5	chr5:147261384:147256798	147261291	c	NM_206966	2	CDS	389336	MGC23985	similar to AVLV472
Hs.173311.1.1	chr15:38649435:38651094	38649558	c	NM_152260	1	CDS	27079	RPUSD2	RNA pseudouridylate synthase domain containing 2
Hs.173716.1.20	chr20:3605713:3603753	3605066	c	NM_025220	3	CDS	80332	ADAM33	a disintegrin and metalloproteinase domain 33
Hs.173939.1.12	chr2:208994549:208995075	208994879	c	NM_001002881	10	CDS	200576	PIP5K3	phosphatidylinositol-3-phosphate/phosphatidylinositol 5-kinase, type III
Hs.173939.1.14	chr2:208995244:209002465	208995779	c	NM_001002881	11	CDS	200576	PIP5K3	phosphatidylinositol-3-phosphate/phosphatidylinositol 5-kinase, type III
Hs.173946.1.29	chr10:30669160:30665963	30668729	c	NM_018109	3	CDS	55149	PAPD1	PAP associated domain containing 1
Hs.173946.1.31	chr10:30669160:30665963	30669089	c	NM_018109	3	CDS	55149	PAPD1	PAP associated domain containing 1
Hs.17441.1.18	chr13:109612577:109611718	109612257	c	NM_001845	48	CDS	1282	COL4A1	collagen, type IV, alpha 1
Hs.174768.1.16	chr7:22006224:21980007	22004048	c	D87467	1	CDS	9771	RAPGEF5	Rap guanine nucleotide exchange factor (GEF) 5 erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)
Hs.175437.1.16	chr1:29212287:29244934	29212349	c	NM_004437	15	CDS	2035	EPB41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)
Hs.175551.1.16	chr1:54416822:54406521	54416683	c	NM_001009955	14	CDS	23648	SSBP3	single stranded DNA binding protein 3
Hs.176013.1.14	chr20:20157021:20174760	20157091	c	NM_015585	18	CDS	26074	C20orf26	chromosome 20 open reading frame 26
Hs.176227.1.6	chr4:159491534:159493947	159491639	c	NM_018342	3	CDS	55314	FLJ11155	hypothetical protein FLJ11155
Hs.176227.1.9	chr4:159491534:159493947	159492764	c	NM_018342	3	CDS	55314	FLJ11155	hypothetical protein FLJ11155
Hs.177275.1.17	chr6:90395679:90396872	90395913	c	AB023174	14	CDS	22881	ANKRD6	ankyrin repeat domain 6
Hs.177557.1.3	chr15:88047378:88049788	88048713	c	NM_020212	3	CDS	56964	LOC56964	hypothetical protein from EUROIMAGE 384293
Hs.177576.1.29	chr2:98730425:98720524	98730048	c	NM_012214	7	CDS	11320	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A
Hs.177576.1.38	chr2:98801219:98753453	98800920	c	NM_012214	1	CDS	11320	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A
Hs.178121.1.12	chr4:171301460:171288191	171301076	c	NM_021647	1	CDS	9848	MFAP3L	microfibrillar-associated protein 3-like
Hs.178499.1.11	chr11:129608412:129606821	129608335	c	NM_014155	8	3UTR	29068	BTBD15	BTB (POZ) domain containing 15
Hs.178499.1.3	chr11:129606743:129605080	129605519	c	NM_014155	9	3UTR	29068	BTBD15	BTB (POZ) domain containing 15
Hs.178499.1.4	chr11:129606743:129605080	129606051	c	NM_014155	9	3UTR	29068	BTBD15	BTB (POZ) domain containing 15
Hs.178499.1.6	chr11:129606743:129605080	129606411	c	NM_014155	9	3UTR	29068	BTBD15	BTB (POZ) domain containing 15
Hs.17936.1.11	chr15:73288271:73290142	73288923	c	BC011905	1	CDS	56905	DKFZP434H132	DKFZP434H132 protein
Hs.179565.1.20	chr6:52245986:52245209	52245356	c	NM_002388	11	CDS	4172	MCM3	MCM3 minichromosome maintenance deficient 3 (S. cerevisiae)
Hs.179608.1.3	chr2:169754703:169763539	169754800	c	NM_005771	4	5UTR	10170	DHRS9	dehydrogenase/reductase (SDR family) member 9
Hs.179615.1.10	chr9:4619090:4615567	4615652	c	NM_017985	5	CDS	55064	C9orf68	chromosome 9 open reading frame 68
Hs.180191.1.12	chr1:163706293:163717116	163706511	c	NM_032858	8	CDS	84944	MAEL	maelstrom homolog (Drosophila)
Hs.180848.1.3	chr5:60430617:60484287	60430881	c	NM_174889	3	CDS	91942	mimitin	Myc-induced mitochondria protein
Hs.180903.1.19	chr22:49247894:49249537	49248325	c	NM_152299	9	CDS	29781	hCAP-H2	kleisin beta
Hs.18128.1.18	chr20:33398380:33365983	33395337	c	NM_018244	7	CDS	55245	C20orf44	chromosome 20 open reading frame 44
Hs.181300.1.32	chr14:81035555:81034592	81034905	c	NM_005065	8	CDS	6400	SEL1L	sel-1 suppressor of lin-12-like (C. elegans)
Hs.181301.1.14	chr1:147537329:147535721	147536789	c	NM_004079	5	CDS	1520	CTSS	cathepsin S
Hs.18166.1.45	chr8:142264560:142268266	142264736	c	NM_014957	18	CDS	22898	KIAA0870	KIAA0870 protein
Hs.18192.1.29	chr1:24734602:24738611	24734865	c	NM_005839	12	CDS	10250	SRRM1	serine/arginine repetitive matrix 1
Hs.18259.1.14	chr2:27775798:27776946	27775854	c	NM_007266	11	CDS	11321	XAB1	XPA binding protein 1, GTPase
Hs.183684.1.32	chr11:10785377:10785009	10785199	c	NM_001418	2	CDS	1982	EIF4G2	eukaryotic translation initiation factor 4 gamma, 2
Hs.183702.1.4	chr1:167240367:167243289	167240458	c	NM_152281	2	CDS	92344	SCYL1BP1	SCYL1-like 1 binding protein 1
Hs.183706.1.29	chr4:2943844:2946477	2944267	c	NM_014189	10	CDS	118	ADD1	adducin 1 (alpha)

Hs.183817.1.6	chr16:22998767:22992703	22998586	c	NM_020718	14	CDS	57478	USP31	ubiquitin specific protease 31
Hs.184233.1.25	chr5:137930213:137925378	137930134	c	NM_004134	9	CDS	3313	HSPA9B	heat shock 70kDa protein 9B (mortalin-2)
Hs.184727.1.30	chr3:198241840:198239667	198240723	c	NM_005929	3	CDS	4241	MF12	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5
Hs.184727.1.34	chr3:198244834:198243092	198243275	c	NM_005929	1	CDS	4241	MF12	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5
Hs.184993.1.2	chrX:118819432:118835755	118819498	c	NM_001008534	4	CDS	158798	AKAP14	A kinase (PRKA) anchor protein 14
Hs.185674.1.5	chr19:58734349:58750910	58734428	c	NM_018555	4	5UTR	55422	ZNF331	zinc finger protein 331
Hs.185774.1.6	chr1:27999187:27989128	27999132	c	NM_001990	16	CDS	2140	EYA3	eyes absent homolog 3 (Drosophila)
Hs.187376.1.25	chr13:20113538:20115593	20113922	c	NM_006531	18	CDS	8100	TTC10	tetratricopeptide repeat domain 10
Hs.187376.1.26	chr13:20113538:20115593	20115035	c	NM_006531	18	CDS	8100	TTC10	tetratricopeptide repeat domain 10
Hs.187635.1.32	chr20:21161469:21172882	21161552	c	NM_018474	11	CDS	55857	C20orf19	chromosome 20 open reading frame 19
Hs.187861.1.10	chr3:24206568:24168986	24206379	c	NM_000461	4	CDS	7068	THRB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)
Hs.188464.1.4	chr4:6698298:6706794	6698620	c	NM_015274	3	CDS	23324	MAN2B2	mannosidase, alpha, class 2B, member 2
Hs.188464.1.5	chr4:6698298:6706794	6698672	c	NM_015274	3	CDS	23324	MAN2B2	mannosidase, alpha, class 2B, member 2
Hs.188495.1.11	chr10:1132187:1139541	1132566	c	NM_014023	9	CDS	22884	WDR37	WD repeat domain 37
Hs.188495.1.9	chr10:1122298:1129391	1122679	c	NM_014023	7	CDS	22884	WDR37	WD repeat domain 37
Hs.188553.1.17	chr16:24478500:24480433	24478606	c	NM_006910	8	CDS	5930	RBBP6	retinoblastoma binding protein 6
Hs.188591.1.16	chr11:86703238:86706826	86703355	c	NM_022918	12	CDS	65084	FLJ22104	hypothetical protein FLJ22104
Hs.188757.1.12	chr6:36557515:36560468	36557779	c	NM_173562	6	CDS	222658	C6orf69	chromosome 6 open reading frame 69
Hs.188757.1.13	chr6:36557515:36560468	36557849	c	NM_173562	6	CDS	222658	C6orf69	chromosome 6 open reading frame 69
Hs.18925.1.24	chr3:3184317:3172966	3184114	c	NM_016302	5	CDS	51185	CRBN	cereblon
Hs.189409.1.11	chr9:129737670:129732380	129737100	c	NM_015033	16	CDS	23048	FNBP1	formin binding protein 1
Hs.189409.1.12	chr9:129737670:129732380	129737195	c	NM_015033	16	CDS	23048	FNBP1	formin binding protein 1
Hs.189409.1.13	chr9:129737670:129732380	129737343	c	NM_015033	16	CDS	23048	FNBP1	formin binding protein 1
Hs.189445.1.43	chr8:99115064:99117060	99115176	c	NM_002380	18	CDS	4147	MATN2	matrilin 2
Hs.189585.1.23	chr21:46790303:46791255	46790647	c	NM_015151	20	CDS	23181	C21orf106	chromosome 21 open reading frame 106
Hs.189585.1.25	chr21:46791384:46794111	46791545	c	NM_015151	21	CDS	23181	C21orf106	chromosome 21 open reading frame 106
Hs.189585.1.29	chr21:46794227:46794883	46794447	c	NM_015151	22	CDS	23181	C21orf106	chromosome 21 open reading frame 106
Hs.189915.1.10	chr6:17880117:17879429	17879817	c	NM_022113	37	CDS	63971	KIF13A	kinesin family member 13A
Hs.189915.1.4	chr6:17872364:17869088	17871905	c	AJ291579	37	CDS	63971	KIF13A	kinesin family member 13A
Hs.189920.1.35	chr3:52618368:52612789	52618137	c	NM_018165	15	CDS	55193	PB1	polybromo 1
Hs.190043.1.1	chrX:14651538:14670501	14652233	c	NM_152581	2	CDS	158747	MOSPD2	motile sperm domain containing 2
Hs.19012.1.12	chr9:125062534:125069742	125064219	c	NM_005833	5	CDS	10244	RABEPK	Rab9 effector protein with kelch motifs
Hs.190162.1.13	chr1:54274539:54288745	54274986	c	AK096488	4	3UTR	127428	C1orf83	chromosome 1 open reading frame 83
Hs.190394.1.7	chr19:58618568:58620135	58618861	c	NM_138372	3	UTR	91661	LOC91661	hypothetical protein BC001610
Hs.190413.1.3	chr3:10120881:10098216	10120828	c	NM_173472	2	3UTR	115795	MGC40179	hypothetical protein MGC40179
Hs.190495.1.14	chr7:23069925:23072838	23070901	c	NM_001005340	4	CDS	10457	GPNMB	glycoprotein (transmembrane) nmb
Hs.190495.1.26	chr7:23086474:23086923	23086788	c	NM_001005340	10	CDS	10457	GPNMB	glycoprotein (transmembrane) nmb
Hs.190983.1.14	chr13:100075789:100064686	100075712	c	NM_032813	9	CDS	84899	FLJ14624	hypothetical protein FLJ14624
Hs.191036.1.6	chr3:42762418:42759554	42762014	c	NM_144719	7	CDS	152206	CCDC13	coiled-coil domain containing 13
Hs.191074.1.2	chr11:74383414:74394105	74383731	c	NM_006656	2	CDS	10825	NEU3	sialidase 3 (membrane sialidase)
Hs.191186.1.16	chr11:43379685:43382123	43379748	c	NM_018259	10	CDS	55761	TTC17	tetratricopeptide repeat domain 17
Hs.19121.1.19	chr11:978690:982502	978827	c	NM_012305	10	CDS	161	AP2A2	adaptor-related protein complex 2, alpha 2 subunit
Hs.191540.1.30	chr8:100659038:100723214	100659189	c	NM_017890	33	CDS	157680	VPS13B	vacuolar protein sorting 13B (yeast)
Hs.191540.1.7	chr8:100202850:100216035	100203166	c	NM_015243	8	CDS	157680	VPS13B	vacuolar protein sorting 13B (yeast)
Hs.19196.1.5	chr7:43761577:43763437	43762036	c	NM_015983	5	CDS	51619	UBE2D4	ubiquitin-conjugating enzyme E2D 4 (putative)
Hs.192039.1.23	chr1:195407739:195408918	195407782	c	NM_002838	9	CDS	5788	PTPRC	protein tyrosine phosphatase, receptor type, C
Hs.192039.1.7	chr1:195393160:195404083	195393992	c	NM_080921	3	CDS	5788	PTPRC	protein tyrosine phosphatase, receptor type, C
Hs.192649.1.12	chr11:93809990:93808714	93809901	c	NM_005590	16	CDS	4361	MRE11A	MRE11 meiotic recombination 11 homolog A (S. cerevisiae)

Hs.193118.1.30	chr10:80737335:80740686	80737801	c	NM_020338	19	CDS	57178	RAI17	retinoic acid induced 17
Hs.193418.1.4	chr1:7927487:7915250	7927453	c	NM_001561	7	CDS	3604	TNFRSF9	tumor necrosis factor receptor superfamily, member 9
Hs.193842.1.9	chr9:97283713:97302014	97284060	c	NM_014290	6	CDS	23424	TDRD7	tudor domain containing 7
Hs.194035.1.3	chr14:21025693:21026588	21025897	c	NM_014828	3	CDS	9878	C14orf92	chromosome 14 open reading frame 92
Hs.194303.1.10	chr10:44815739:44814877	44815696	c	BC062568	2	3UTR	220979	C10orf25	chromosome 10 open reading frame 25
Hs.194303.1.5	chr10:44814770:44809661	44814540	c	BC062568	3	3UTR	220979	C10orf25	chromosome 10 open reading frame 25
Hs.194303.1.6	chr10:44814770:44809661	44814688	c	BC062568	3	3UTR	220979	C10orf25	chromosome 10 open reading frame 25
Hs.194350.1.13	chr19:14065439:14065050	14065081	c	NM_002730	9	CDS	5566	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha
Hs.194350.1.16	chr19:14069172:14065605	14069060	c	NM_002730	8	CDS	5566	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha
Hs.194392.1.4	chr19:37594119:37615461	37595933	c	NM_207325	3	CDS	147991	DPY19L3	dpy-19-like 3 (C. elegans)
Hs.194411.1.5	chr17:31273693:31271390	31273598	c	NM_145654	5	CDS	201299	RAD52B	RAD52 homolog B (S. cerevisiae)
Hs.195364.1.31	chr3:37064179:37065011	37064235	c	NM_000249	16	CDS	4292	MLH1	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)
Hs.195395.1.26	chr17:64643827:64642479	64642966	c	NM_080284	4	CDS	23460	ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6
Hs.195642.1.33	chr17:75962985:75964154	75963454	c	NM_020914	25	CDS	57674	C17orf27	chromosome 17 open reading frame 27
Hs.195642.1.48	chr17:75970123:75971373	75970707	c	NM_020914	32	CDS	57674	C17orf27	chromosome 17 open reading frame 27
Hs.195799.1.4	chr4:100861853:100867977	100862521	c	NM_000253	3	CDS	4547	MTP	microsomal triglyceride transfer protein (large polypeptide, 88kDa)
Hs.1968.1.9	chr20:43270323:43270502	43270388	c	NM_198139	2	CDS	6406	SEMG1	semenogelin I
Hs.196983.1.3	chr2:182582894:182586262	182584925	c	NM_006751	2	CDS	6744	SSFA2	sperm specific antigen 2
Hs.196983.1.36	chr2:182612646:182619793	182612934	c	NM_006751	16	CDS	6744	SSFA2	sperm specific antigen 2
Hs.19699.1.34	chr16:107299:102775	104982	c	NM_012075	5	CDS	8131	C16orf35	chromosome 16 open reading frame 35
Hs.196990.1.26	chr10:114194917:114193355	114194785	c	NM_022494	2	CDS	64429	ZDHHC6	zinc finger, DHHC-type containing 6
Hs.196990.1.27	chr10:114194917:114193355	114194874	c	NM_022494	2	CDS	64429	ZDHHC6	zinc finger, DHHC-type containing 6
Hs.198072.1.4	chr1:66443792:66510211	66443859	c	NM_002600	7	CDS	5142	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)
Hs.198158.1.10	chr10:69715110:69714053	69714846	c	NM_022129	9	CDS	64081	MAWBP	MAWD binding protein
Hs.198998.1.13	chr10:101943044:101940716	101942774	c	NM_001278	19	CDS	1147	CHUK	conserved helix-loop-helix ubiquitous kinase
Hs.199338.1.11	chr7:41836306:41791588	41836061	c	NM_000168	9	CDS	2737	GLI3	GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrome)
Hs.199338.1.20	chr7:42035968:41961308	42034455	c	NM_000168	1	CDS	2737	GLI3	GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrome)
Hs.199743.1.22	chr11:85853780:85851368	85853627	c	AK092181	8	CDS	10873	ME3	malic enzyme 3, NADP(+)-dependent, mitochondrial
Hs.200230.1.5	chr1:108883469:108884251	108883718	c	NM_001010883	9	CDS	284611	LOC284611	hypothetical protein LOC284611
Hs.200600.1.6	chr1:152040148:152039656	152039805	c	NM_005698	7	CDS	10067	SCAMP3	secretory carrier membrane protein 3
Hs.200738.1.15	chr14:60566995:60573529	60567508	c	NM_153811	6	CDS	145389	SLC38A6	solute carrier family 38, member 6
Hs.200747.1.35	chr14:75319627:75329011	75319701	c	NM_015072	26	CDS	23093	TTL5	tubulin tyrosine ligase-like family, member 5
Hs.200841.1.10	chr6:129555692:129612949	129555977	c	NM_000426	12	CDS	3908	LAMA2	laminin, alpha 2 (merosin, congenital muscular dystrophy)
Hs.200943.1.19	chr15:58521906:58515719	58517311	c	NM_024611	12	CDS	79664	NARG2	NMDA receptor regulated 2
Hs.20107.1.27	chr14:103221127:103221727	103221362	c	NM_005552	14	3UTR	3831	KNS2	kinesin 2 60/70kDa
Hs.201134.1.4	chr17:37346707:37348335	37346820	c	NM_031421	5	CDS	83538	DKFZP434H0115	hypothetical protein DKFZp434H0115
Hs.201253.1.71	chr11:46768201:46766900	46768058	c	NM_001008938	15	CDS	9793	CKAP5	cytoskeleton associated protein 5
Hs.20142.1.7	chr14:92742927:92739881	92742617	c	NM_032490	1	5UTR	84520	C14orf142	chromosome 14 open reading frame 142
Hs.20158.1.18	chr9:32991513:32979894	32990858	c	AY208833	1	5UTR	54840	APTX	aprataxin
Hs.201712.1.32	chr16:73060344:73059248	73060202	c	NM_012201	17	CDS	2734	GLG1	golgi apparatus protein 1
Hs.201921.1.11	chr1:112796614:112795537	112796454	c	NM_198327	15	CDS	54879	ST7L	suppression of tumorigenicity 7 like
Hs.201921.1.26	chr1:112865504:112855513	112865123	c	NM_017744	3	CDS	54879	ST7L	suppression of tumorigenicity 7 like

Hs.202001.1.37	chr18:27708440:27707500	27707531	c	NM_014939	13	CDS	22878	KIAA1012	KIAA1012
Hs.202011.1.14	chr17:59183031:59178054	59182859	c	NM_020198	12	CDS	57003	GK001	GK001 protein
Hs.202120.1.10	chr7:105239085:105247256	105239222	c	NM_152750	8	CDS	222256	FLJ23834	hypothetical protein FLJ23834
Hs.202166.1.23	chr5:178978875:178977931	178978800	c	NM_005520	5	CDS	3187	HNRPH1	heterogeneous nuclear ribonucleoprotein H1 (H)
Hs.202238.1.33	chr8:95592588:95592057	95592382	c	NM_015496	13	CDS	25962	DKFZP434116	DKFZP434116 protein
Hs.2025.1.12	chr14:75499411:75497173	75499157	c	NM_003239	5	CDS	7043	TGFB3	transforming growth factor, beta 3
Hs.202510.1.16	chr6:26081493:26091370	26081833	c	NM_006355	7	CDS	10475	TRIM38	tripartite motif-containing 38
Hs.202543.1.1	chr7:101984035:101986089	101984132	c	NM_147194	1	CDS	222234	MGC35361	hypothetical protein MGC35361
Hs.203099.1.29	chr10:88217015:88211025	88216790	c	NM_015045	9	CDS	23063	KIAA0261	KIAA0261
Hs.203637.1.17	chr3:143899608:143905407	143899781	c	NM_002670	12	CDS	5357	PLS1	plastin 1 (I isoform)
Hs.203691.1.14	chr3:100003133:100002251	100002920	c	NM_080927	14	CDS	131566	DCBLD2	discoidin, CUB and LCCL domain containing 2
Hs.203691.1.15	chr3:100009614:100003184	100009445	c	NM_080927	13	CDS	131566	DCBLD2	discoidin, CUB and LCCL domain containing 2
Hs.203691.1.36	chr3:100050994:100026901	100050922	c	NM_080927	3	CDS	131566	DCBLD2	discoidin, CUB and LCCL domain containing 2
Hs.203717.1.20	chr2:216065442:216063641	216065234	c	NM_002026	37	CDS	2335	FN1	fibronectin 1
Hs.203717.1.25	chr2:216068403:216066904	216068176	c	NM_002026	34	CDS	2335	FN1	fibronectin 1
Hs.203717.1.5	chr2:216052197:216051856	216052080	c	NM_002026	45	CDS	2335	FN1	fibronectin 1
Hs.203717.1.55	chr2:216094617:216089581	216094583	c	NM_002026	20	CDS	2335	FN1	fibronectin 1
Hs.203717.1.65	chr2:216105065:216100344	216101097	c	NM_002026	13	CDS	2335	FN1	fibronectin 1
Hs.203717.1.67	chr2:216105065:216100344	216104890	c	NM_002026	13	CDS	2335	FN1	fibronectin 1
Hs.203717.1.82	chr2:216118408:216115515	216118229	c	NM_002026	6	CDS	2335	FN1	fibronectin 1
Hs.20395.1.17	chr8:61899130:61903775	61900528	c	NM_017780	13	CDS	55636	CHD7	chromodomain helicase DNA binding protein 7
Hs.203952.1.36	chr7:98209973:98212385	98210286	c	NM_003496	49	CDS	8295	TRRAP	transformation/transcription domain-associated protein
Hs.203965.1.12	chr7:77196747:77203076	77197360	c	NM_020432	10	CDS	57157	PHTF2	putative homeodomain transcription factor 2
Hs.203965.1.18	chr7:77211807:77213997	77211981	c	NM_020432	12	CDS	57157	PHTF2	putative homeodomain transcription factor 2
Hs.203965.1.19	chr7:77211807:77213997	77212176	c	NM_020432	12	CDS	57157	PHTF2	putative homeodomain transcription factor 2
Hs.203965.1.24	chr7:77214271:77214495	77214346	c	NM_020432	13	CDS	57157	PHTF2	putative homeodomain transcription factor 2
Hs.203965.1.25	chr7:77214271:77214495	77214427	c	NM_020432	13	CDS	57157	PHTF2	putative homeodomain transcription factor 2
Hs.204041.1.4	chr14:76995903:76998255	76999630	c	NM_012111	2	CDS	10598	AHSA1	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)
Hs.204619.1.17	chr2:200629161:200626722	200628978	c	NM_152382	4	UTR	129450	FLJ37953	hypothetical protein FLJ37953
Hs.204619.1.20	chr2:200633993:200630363	200632290	c	NM_152382	2	UTR	129450	FLJ37953	hypothetical protein FLJ37953
Hs.206500.1.16	chr11:69943611:69944153	69943711	c	NM_005231	9	CDS	2017	CTTN	cortactin
Hs.206500.1.41	chr11:69958874:69959219	69959158	c	BC033889	18	CDS	2017	CTTN	cortactin
Hs.206500.1.5	chr11:69931346:69933584	69931514	c	NM_005231	4	CDS	2017	CTTN	cortactin
Hs.207157.1.3	chr15:63010837:63013388	63011765	c	NM_182703	5	CDS	348094	LOC348094	hypothetical protein LOC348094
Hs.207538.1.8	chr1:64992545:65008542	64994195	c	NM_018211	11	CDS	55225	RAVER2	hypothetical protein FLJ10770
Hs.2076.1.6	chr8:146046736:146037933	146046371	c	NM_014066	2	UTR	28991	COMMD5	COMM domain containing 5
Hs.207745.1.4	chr20:35065518:35060747	35065391	c	NM_002895	21	CDS	5933	RBL1	retinoblastoma-like 1 (p107)
Hs.208388.1.10	chr3:10056530:10058306	10058246	c	NM_001018115	9	CDS	2177	FANCD2	Fanconi anemia, complementation group D2
Hs.208388.1.17	chr3:10066190:10069070	10066300	c	NM_001018115	17	CDS	2177	FANCD2	Fanconi anemia, complementation group D2
Hs.208388.1.36	chr3:10115500:101117871	10115696	c	NM_001018115	43	CDS	2177	FANCD2	Fanconi anemia, complementation group D2
Hs.208550.1.16	chr13:51228600:51230328	51228809	c	NM_052950	10	CDS	115825	WDFY2	WD repeat and FYVE domain containing 2
Hs.208600.1.8	chr21:42675242:42673391	42675054	c	NM_024022	9	CDS	64699	TMPRSS3	transmembrane protease, serine 3
Hs.208680.1.14	chr16:69074132:69073580	69073784	c	NM_015386	15	CDS	25839	COG4	component of oligomeric golgi complex 4
Hs.208765.1.27	chr14:66705507:66716047	66705604	c	BC030016	21	CDS	10243	GPHN	gephyrin
Hs.208912.1.9	chr22:40665728:40664206	40665425	c	NM_024053	4	CDS	79019	C22orf18	chromosome 22 open reading frame 18
Hs.209945.1.22	chr14:89569312:89579166	89569709	c	NM_001008744	15	CDS	55775	TDP1	tyrosyl-DNA phosphodiesterase 1
Hs.210283.1.17	chr9:134849919:134856264	134850460	c	NM_000093	9	CDS	1289	COL5A1	collagen, type V, alpha 1
Hs.210367.1.12	chr12:44602512:44602245	44602406	c	NM_004719	4	CDS	9169	SFRS2IP	splicing factor, arginine/serine-rich 2, interacting protein
Hs.210532.1.16	chr5:141293151:141293988	141293631	c	NM_014773	8	CDS	9812	KIAA0141	KIAA0141
Hs.210532.1.25	chr5:141294336:141296946	141294745	c	NM_014773	10	CDS	9812	KIAA0141	KIAA0141

Hs.210850.1.51	chr14:30666741:30662005	30666488	c	NM_015382	25	CDS	25831	HECTD1	HECT domain containing 1
Hs.210850.1.76	chr14:30712112:30711080	30711911	c	NM_015382	6	CDS	25831	HECTD1	HECT domain containing 1
Hs.211092.1.8	chr20:31291853:31292851	31292529	c	NM_016583	5	CDS	51297	PLUNC	palate, lung and nasal epithelium carcinoma associated
Hs.211236.1.8	chr1:107579587:107649817	107579838	c	NM_014917	3	CDS	22854	NTNG1	netrin G1
Hs.211441.1.18	chr9:93517627:93518430	93517634	c	NM_005392	20	CDS	5253	PHF2	PHD finger protein 2
Hs.211520.1.12	chr9:5759257:5760086	5759454	c	AB037853	6	CDS	57589	KIAA1432	KIAA1432
Hs.21187.1.6	chr10:116709557:116720116	116709761	c	NM_139169	4	CDS	14290	TRUB1	TruB pseudouridine (psi) synthase homolog 1 (E. coli)
Hs.212046.1.14	chr5:102497252:102500334	102497374	c	NM_015216	2	CDS	23262	KIAA0433	KIAA0433 protein
Hs.212360.1.12	chr5:13964494:13955248	13964465	c	NM_001369	12	CDS	1767	DNAH5	dynein, axonemal, heavy polypeptide 5
Hs.212774.1.33	chr4:68356672:68343696	68356147	c	NM_018227	13	CDS	55236	FLJ10808	hypothetical protein FLJ10808
Hs.213044.1.3	chr7:100411211:100410237	100410420	c	NM_198571	2	CDS	375607	FLJ39237	FLJ39237 protein
Hs.213392.1.11	chr7:66218853:66229239	66219406	c	BC026058	4	CDS	64940	FLJ13195	stromal antigen 3-like
Hs.213393.1.1	chr5:76362558:76365998	76362898	c	NM_018046	1	CDS	55109	AGGF1	angiogenic factor with G patch and FHA domains 1
Hs.213393.1.2	chr5:76362558:76365998	76363014	c	NM_018046	1	CDS	55109	AGGF1	angiogenic factor with G patch and FHA domains 1
Hs.213861.1.63	chr6:112600505:112593172	112599525	c	NM_002290	12	CDS	3910	LAMA4	laminin, alpha 4
Hs.213861.1.81	chr6:112681850:112644364	112681256	c	NM_002290	2	CDS	3910	LAMA4	laminin, alpha 4
Hs.213861.1.82	chr6:112681850:112644364	112681683	c	NM_002290	2	CDS	3910	LAMA4	laminin, alpha 4
Hs.21398.1.10	chr4:44550696:44546088	44546193	c	NM_138335	6	CDS	132789	GNPDA2	glucosamine-6-phosphate deaminase 2
Hs.21422.1.17	chr7:107414617:107412509	107414363	c	NM_005010	24	CDS	4897	NRCAM	neuronal cell adhesion molecule
Hs.2157.1.17	chrX:48304074:48305747	48304233	c	NM_000377	11	CDS	7454	WAS	Wiskott-Aldrich syndrome (eczema-thrombocytopenia)
Hs.2159.1.10	chr15:87193967:87196028	87195759	c	NM_001135	11	CDS	176	AGC1	aggrecan 1 (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan, antigen identified by monoclonal antibody A0122)
Hs.21611.1.23	chr2:26088786:26086426	26088651	c	NM_002254	4	CDS	3797	KIF3C	kinesin family member 3C
Hs.217409.1.12	chr10:99369333:99367070	99369157	c	NM_178832	2	CDS	118812	C10orf83	chromosome 10 open reading frame 83
Hs.21757.1.4	chr1:67124000:67135762	67125944	c	NM_020948	5	CDS	57708	MIER1	mesoderm induction early response 1 homolog (Xenopus laevis)
Hs.218040.1.12	chr17:42723454:42724503	42723852	c	NM_000212	9	CDS	3690	ITGB3	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)
Hs.21975.1.3	chr2:124716201:124891249	124716252	c	NM_130773	3	CDS	129684	CNTNAP5	contactin associated protein-like 5
Hs.21975.1.6	chr2:125083728:125121564	125084026	c	NM_130773	12	CDS	129684	CNTNAP5	contactin associated protein-like 5
Hs.22111.1.33	chrX:130144687:130142774	130143676	c	NM_001555	5	CDS	3547	IGSF1	immunoglobulin superfamily, member 1
Hs.221497.1.9	chr16:9104618:9118025	9104899	c	NM_014117	3	CDS	29035	PRO0149	PRO0149 protein
Hs.222055.1.15	chr5:149899112:149899836	149899364	c	NM_001543	6	CDS	3340	NDST1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1
Hs.222055.1.16	chr5:149899112:149899836	149899522	c	NM_001543	6	CDS	3340	NDST1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1
Hs.222282.1.13	chr7:92546697:92550127	92547451	c	NM_017667	11	CDS	55610	FLJ20097	hypothetical protein FLJ20097
Hs.222282.1.15	chr7:92550269:92565665	92550391	c	NM_017667	12	CDS	55610	FLJ20097	hypothetical protein FLJ20097
Hs.22242.1.9	chr10:11837614:11845228	11838294	c	NM_024693	4	CDS	79746	ECHDC3	enoyl Coenzyme A hydratase domain containing 3
Hs.222731.1.5	chr16:83249052:83250866	83249081	c	NM_024731	3	CDS	79786	C16orf44	chromosome 16 open reading frame 44
Hs.223296.1.9	chr3:197943318:197946172	197943532	c	NM_017861	4	CDS	54965	PIGX	phosphatidylinositol glycan, class X
Hs.223617.1.13	chr12:120681497:120680289	120681360	c	NM_019034	4	CDS	54509	RHOF	ras homolog gene family, member F (in filopodia)
Hs.223894.1.4	chr19:18031703:18031424	18031547	c	NM_005535	16	CDS	3594	IL12RB1	interleukin 12 receptor, beta 1
Hs.224008.1.23	chr11:124864572:124856740	124863306	c	NM_005103	2	CDS	9638	FEZ1	fasciculation and elongation protein zeta 1 (zygin I)
Hs.224012.1.36	chr20:10574618:10574118	10574370	c	NM_000214	15	CDS	182	JAG1	jagged 1 (Alagille syndrome)

Hs.225129.1.43	chr10:75240562:75238494	75240456	c	NM_003635	2	5UTR	8509	NDST2	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2
Hs.22543.1.21	chr15:23150592:23136469	23150273	c	NM_000462	9	CDS	7337	UBE3A	ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome)
Hs.2258.1.8	chr11:102147952:102146835	102147871	c	NM_002425	9	CDS	4319	MMP10	matrix metalloproteinase 10 (stromelysin 2)
Hs.225836.1.14	chr6:153411798:153408569	153411546	c	NM_019041	2	CDS	54516	MTRF1L	mitochondrial translational release factor 1-like
Hs.227253.1.15	chr3:101574139:101570670	101573541	c	NM_014820	9	CDS	9868	TOMM70A	translocase of outer mitochondrial membrane 70 homolog A (yeast)
Hs.227489.1.14	chr19:12830554:12836622	12830717	c	NM_014975	12	CDS	22983	MAST1	microtubule associated serine/threonine kinase 1
Hs.227489.1.15	chr19:12830554:12836622	12830784	c	NM_014975	12	CDS	22983	MAST1	microtubule associated serine/threonine kinase 1
Hs.22785.1.13	chrX:150808708:150801684	150808443	c	NM_004961	3	CDS	2564	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon
Hs.229335.1.9	chr22:27862643:27887585	27863057	c	NM_032045	9	CDS	83999	KREMEN1	kringle containing transmembrane protein 1
Hs.22981.1.21	chr18:32632409:32631012	32631979	c	NM_015476	6	CDS	25941	C18orf10	chromosome 18 open reading frame 10
Hs.23170.1.22	chrX:48097437:48097627	48097568	c	NM_012280	11	CDS	24140	FTSJ1	FtsJ homolog 1 (E. coli)
Hs.231829.1.6	chr10:26548212:26552821	26548252	c	NM_000818	4	CDS	2572	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)
Hs.232021.1.42	chr6:111820771:111818077	111820591	c	NM_002912	6	CDS	5980	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)
Hs.232021.1.44	chr6:111833365:111820869	111833323	c	NM_002912	5	CDS	5980	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)
Hs.232270.1.2	chr17:9438364:9442275	9438528	c	NM_145054	5	CDS	146845	wdr16	hypothetical protein LOC146845
Hs.232375.1.10	chr11:107514979:107516001	107515094	c	NM_000019	6	CDS	38	ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)
Hs.233160.1.10	chr5:172682827:172677859	172682578	c	NM_003714	3	CDS	8614	STC2	stanniocalcin 2
Hs.233240.1.92	chr2:238062374:238059821	238062275	c	NM_004369	9	CDS	1293	COL6A3	collagen, type VI, alpha 3
Hs.233325.1.1	chr6:26195724:26201325	26196035	c	NM_139011	1	CDS	3077	HFE	hemochromatosis
Hs.233363.1.4	chr3:110117663:110109747	110117481	c	NM_005459	3	CDS	9626	GUCA1C	guanylate cyclase activator 1C
Hs.233407.1.3	chr10:118091704:118106881	118091735	c	NM_198515	5	CDS	374355	C10orf96	chromosome 10 open reading frame 96
Hs.233552.1.3	chr7:39764692:39800437	39765757	c	NM_003718	1	CDS	8621	CDC2L5	cell division cycle 2-like 5 (cholinesterase-related cell division controller)
Hs.233552.1.9	chr7:39810504:39812199	39810709	c	NM_003718	3	CDS	8621	CDC2L5	cell division cycle 2-like 5 (cholinesterase-related cell division controller)
Hs.23361.1.14	chr11:34138028:34137510	34138022	c	NM_145804	13	CDS	25841	ABTB2	ankyrin repeat and BTB (POZ) domain containing 2
Hs.23367.1.3	chr9:115766855:115746476	115766335	c	NM_021208	1	CDS	58483	C9orf27	chromosome 9 open reading frame 27
Hs.234569.1.18	chr2:97813089:97814355	97813182	c	NM_001079	13	CDS	7535	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa
Hs.234898.1.27	chr12:108152682:108153539	108153103	c	NM_001093	41	CDS	32	ACACB	acetyl-Coenzyme A carboxylase beta
Hs.235116.1.25	chr5:176796138:176800306	176796286	c	NM_001004105	13	CDS	2870	GRK6	G protein-coupled receptor kinase 6
Hs.235390.1.15	chr19:63291866:63290584	63290817	c	NM_023926	3	CDS	65982	ZNF447	zinc finger protein 447
Hs.236030.1.57	chr12:54861532:54861153	54861311	c	NM_003075	10	CDS	6601	SMARCC2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2
Hs.236940.1.24	chr18:12681357:12676450	12681232	c	NM_024899	7	CDS	79959	C18orf9	chromosome 18 open reading frame 9
Hs.236940.1.31	chr18:12688977:12687408	12688945	c	NM_024899	4	CDS	79959	C18orf9	chromosome 18 open reading frame 9
Hs.237480.1.13	chr3:113782864:113784207	113782959	c	NM_017945	6	CDS	55032	SLC35A5	solute carrier family 35, member A5
Hs.237642.1.13	chr4:187497646:187501502	187497699	c	NM_207352	7	CDS	285440	CYP4V2	cytochrome P450, family 4, subfamily V, polypeptide 2
Hs.237642.1.2	chr4:187488341:187490802	187488971	c	NM_207352	1	CDS	285440	CYP4V2	cytochrome P450, family 4, subfamily V, polypeptide 2

Hs.237825.1.10	chr4:57181486:57183764	57181602	c	NM_006947	5	CDS	6731	SRP72	signal recognition particle 72kDa
Hs.237825.1.25	chr4:57198663:57202450	57198739	c	NM_006947	16	CDS	6731	SRP72	signal recognition particle 72kDa
Hs.237825.1.26	chr4:57198663:57202450	57198777	c	NM_006947	16	CDS	6731	SRP72	signal recognition particle 72kDa
Hs.239370.1.11	chr9:136511288:136518985	136512125	c	NM_015597	8	CDS	26086	GPSM1	G-protein signalling modulator 1 (AGS3-like, <i>C. elegans</i>)
Hs.239514.1.4	chr17:52267620:52276378	52268826	c	NM_003647	2	CDS	8526	DGKE	diacylglycerol kinase, epsilon 64kDa
Hs.239631.1.13	chr7:106444921:106438027	106444613	c	NM_006348	21	CDS	10466	COG5	component of oligomeric golgi complex 5
Hs.241575.1.3	chr16:1342309:1351744	1342501	c	NM_032520	3	CDS	84572	GNPTG	N-acetylglucosamine-1-phosphate transferase, gamma subunit
Hs.24309.1.6	chr10:15143868:15146407	15144089	c	NM_018324	5	CDS	55301	THEDC1	thioesterase domain containing 1
Hs.243564.1.10	chr1:157467749:157464332	157466382	c	NM_001778	2	CDS	962	CD48	CD48 antigen (B-cell membrane protein)
Hs.243994.1.11	chr11:664535:644052	664364	c	NM_021008	10	CDS	10522	DEAF1	deformed epidermal autoregulatory factor 1 (<i>Drosophila</i>)
Hs.24553.1.28	chr15:72274695:72273317	72273781	c	NM_022369	7	CDS	64220	STRA6	stimulated by retinoic acid gene 6 homolog (mouse)
Hs.24598.1.32	chr11:119852668:119853137	119852761	c	NM_015313	34	CDS	23365	ARHGEF12	Rho guanine nucleotide exchange factor (GEF) 12
Hs.24601.1.14	chr22:44251755:44257645	44252039	c	NM_001996	8	CDS	2192	FBLN1	fibulin 1
Hs.246344.1.44	chr9:121004104:121006774	121004184	c	NM_007018	32	CDS	11064	CEP1	centrosomal protein 1
Hs.246344.1.51	chr9:121011649:121013239	121011757	c	NM_007018	37	CDS	11064	CEP1	centrosomal protein 1
Hs.24684.1.20	chr5:90708193:90707187	90708123	c	NM_020801	3	CDS	57561	ARRDC3	arrestin domain containing 3
Hs.247324.1.10	chr1:171719210:171715645	171719028	c	NM_022100	2	CDS	63931	MRPS14	mitochondrial ribosomal protein S14
Hs.248131.1.2	chr5:178342516:178341462	178342414	c	NM_000843	9	CDS	2916	GRM6	glutamate receptor, metabotropic 6
Hs.248139.1.2	chr1:110858552:110856835	110857818	c	BC043564	3	CDS	3737	KCNA2	potassium voltage-gated channel, shaker-related subfamily, member 2
Hs.248472.1.22	chr16:31300719:31301289	31301000	c	BC038237	30	CDS	3687	ITGAX	integrin, alpha X (antigen CD11C (p150), alpha polypeptide)
Hs.248815.1.6	chr21:43143219:43136461	43142405	c	NM_033661	11	3UTR	10785	WDR4	WD repeat domain 4
Hs.249441.1.6	chr11:9555387:9559654	9559594	c	NM_003390	5	CDS	7465	WEE1	WEE1 homolog (<i>S. pombe</i>)
Hs.24956.1.28	chr14:104252239:104256176	104252708	c	BC008756	11	CDS	64423	C14orf173	chromosome 14 open reading frame 173
Hs.249591.1.20	chr9:19347153:19347962	19347693	c	NM_017925	20	CDS	55667	C9orf55	chromosome 9 open reading frame 55
Hs.24998.1.11	chr19:13731087:13734112	13731087	c	NM_030818	7	CDS	81576	MGC10471	hypothetical protein MGC10471
Hs.24998.1.13	chr19:13731087:13734112	13731288	c	NM_030818	7	CDS	81576	MGC10471	hypothetical protein MGC10471
Hs.24998.1.14	chr19:13731087:13734112	13731441	c	NM_030818	7	CDS	81576	MGC10471	hypothetical protein MGC10471
Hs.250472.1.5	chr12:99152294:99148783	99152119	c	NM_152317	4	CDS	120863	DEPDC4	DEP domain containing 4
Hs.250557.1.3	chr16:1068458:1067714	1067723	c	NM_182510	1	5UTR	146336	FLJ32252	hypothetical protein FLJ32252
Hs.250687.1.5	chr3:143986581:143992558	143986827	c	NM_003304	6	CDS	7220	TRPC1	transient receptor potential cation channel, subfamily C, member 1
Hs.250763.1.11	chr1:147961500:147960467	147961166	c	AK092700	1	5UTR	29765	TMOD4	tropomodulin 4 (muscle)
Hs.250821.1.7	chr19:7033064:7033888	7033073	c	NM_024341	7	CDS	79230	ZNF557	zinc finger protein 557
Hs.25094.1.2	chr6:169969066:169962003	169967240	c	NM_174910	1	CDS	6991	TCTE3	t-complex-associated-testis-expressed 3
Hs.252549.1.7	chr20:57005088:57004210	57005037	c	NM_001336	5	CDS	1522	CTS2	cathepsin Z
Hs.253726.1.15	chr14:96067677:96068420	96067818	c	NM_032632	7	CDS	10914	PAPOLA	poly(A) polymerase alpha
Hs.254054.1.1	chr16:2789572:2794390	2789947	c	NM_183379	3	CDS	360226	TESSP1	testis serine protease 1
Hs.254699.1.4	chr5:36001244:35998811	36000955	c	BC035012	5	CDS	133688	UGT3A1	UDP glycosyltransferase 3 family, polypeptide A1
Hs.255491.1.10	chr3:142488994:142493807	142489240	c	NM_152282	7	CDS	92370	ACPL2	acid phosphatase-like 2
Hs.256398.1.6	chr7:87405402:87406832	87406764	c	NM_004194	11	CDS	53616	ADAM22	a disintegrin and metalloproteinase domain 22
Hs.256667.1.5	chr17:45538433:45539156	45538619	c	NM_002611	4	CDS	5164	PDK2	pyruvate dehydrogenase kinase, isoenzyme 2
Hs.256667.1.6	chr17:45538433:45539156	45538734	c	NM_002611	4	CDS	5164	PDK2	pyruvate dehydrogenase kinase, isoenzyme 2
Hs.258209.1.14	chr12:68475392:68492824	68476691	c	NM_175626	6	CDS	117177	RAB3IP	RAB3A interacting protein (rabin3)
Hs.258209.1.8	chr12:68464863:68474483	68465063	c	NM_022456	4	CDS	117177	RAB3IP	RAB3A interacting protein (rabin3)
Hs.258314.1.12	chr2:28159939:28180242	28160000	c	NM_004899	5	CDS	9577	BRE	brain and reproductive organ-expressed (TNFRSF1A modulator)

Hs.258855.1.20	chr11:117858018:117858346	117858198	c	NM_005933	7	CDS	4297	MLL	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)
Hs.260041.1.19	chr7:93825442:93826312	93825530	c	NM_022900	15	CDS	64921	CAS1	O-acetyltransferase
Hs.260555.1.13	chr14:73593715:73601143	73593915	c	NM_025057	4	CDS	80127	C14orf45	chromosome 14 open reading frame 45
Hs.260720.1.17	chr10:69241287:69235552	69240984	c	NM_021800	3	CDS	56521	DNAJC12	DnaJ (Hsp40) homolog, subfamily C, member 12
Hs.260720.1.19	chr10:69241287:69235552	69241093	c	NM_021800	3	CDS	56521	DNAJC12	DnaJ (Hsp40) homolog, subfamily C, member 12
Hs.262150.1.12	chr19:40519085:40520497	40519404	c	NM_001771	3	CDS	933	CD22	CD22 antigen
Hs.26225.1.13	chr5:170165436:170168181	170165480	c	NM_014211	7	CDS	2568	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi
Hs.262960.1.6	chr13:37164135:37146505	37164085	c	NM_016179	4	CDS	7223	TRPC4	transient receptor potential cation channel, subfamily C, member 4
Hs.26403.1.1	chr14:76857660:76858642	76858325	c	NM_001513	1	5UTR	2954	GSTZ1	glutathione transferase zeta 1 (maleylacetoacetate isomerase)
Hs.264208.1.10	chr2:55674551:55676269	55674702	c	NM_080667	7	CDS	112942	MGC15407	similar to RIKEN cDNA 4931428D14 gene
Hs.26613.1.19	chr12:49141398:49142631	49141537	c	NM_052879	11	CDS	113251	LARP4	La ribonucleoprotein domain family, member 4
Hs.26630.1.52	chr16:2313524:2309843	2313347	c	NM_001089	6	CDS	21	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3
Hs.266826.1.10	chr3:139430551:139436573	139430591	c	NM_014154	7	CDS	25852	ARMC8	armadillo repeat containing 8
Hs.267038.1.6	chrX:84343353:84340578	84343266	c	NM_024921	16	CDS	79983	POF1B	premature ovarian failure, 1B
Hs.26704.1.58	chr15:20551685:20554316	20551693	c	NM_014608	30	CDS	23191	CYFIP1	cytoplasmic FMR1 interacting protein 1
Hs.26704.1.59	chr15:20551685:20554316	20551722	c	NM_014608	30	CDS	23191	CYFIP1	cytoplasmic FMR1 interacting protein 1
Hs.26704.1.60	chr15:20551685:20554316	20551872	c	NM_014608	30	CDS	23191	CYFIP1	cytoplasmic FMR1 interacting protein 1
Hs.268107.1.5	chr4:91206298:91229933	91206333	c	AK125557	6	CDS	22915	MMRN1	multimerin 1
Hs.26814.1.18	chr8:141332057:141300865	141331855	c	NM_031466	16	CDS	83696	NIBP	NIK and IKK(beta) binding protein
Hs.268326.1.2	chr12:9724897:9731764	9724947	c	NM_001004419	2	CDS	29121	CLEC2D	C-type lectin superfamily 2, member D
Hs.26837.1.26	chr1:114676099:114664981	114676049	c	NM_015906	11	CDS	51592	TRIM33	tripartite motif-containing 33
Hs.268573.1.17	chr22:22706253:22704066	22705699	c	NM_000853	2	CDS	2952	GSTT1	glutathione S-transferase theta 1
Hs.268675.1.18	chr15:98048157:98064456	98048292	c	BC013437	8	CDS	4205	MEF2A	MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A)
Hs.268869.1.21	chr8:67528947:67531605	67529239	c	NM_144650	9	CDS	137872	ADHFE1	alcohol dehydrogenase, iron containing, 1
Hs.269099.1.5	chr1:78125158:78124283	78124724	c	BC017247	20	3UTR	8880	FUBP1	far upstream element (FUSE) binding protein 1
Hs.269109.1.11	chr7:80022864:80019275	80022279	c	NM_006379	17	CDS	10512	SEMA3C	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C
Hs.269121.1.2	chr4:126766367:126768660	126766599	c	NM_024582	14	CDS	79633	FAT4	FAT tumor suppressor homolog 4 (Drosophila)
Hs.269471.1.9	chr20:23308081:23306124	23307428	c	NM_022080	10	CDS	63908	NAPB	N-ethylmaleimide-sensitive factor attachment protein, beta
Hs.269665.1.28	chr4:56600875:56603810	56601269	c	NM_018261	15	CDS	55763	SEC3L1	SEC3-like 1 (S. cerevisiae)
Hs.269977.1.11	chr2:98311712:98325298	98311786	c	NM_144992	20	CDS	200403	MGC26733	hypothetical protein MGC26733
Hs.270043.1.42	chr8:126144945:126142619	126144793	c	NM_014846	10	CDS	9897	KIAA0196	KIAA0196
Hs.270043.1.61	chr8:126164536:126163892	126164310	c	NM_014846	2	CDS	9897	KIAA0196	KIAA0196
Hs.27021.1.5	chr5:96526510:96524686	96526419	c	NM_018343	9	CDS	55781	RIOK2	RIO kinase 2 (yeast)
Hs.270492.1.67	chr7:151355255:151342162	151354785	c	NM_021230	9	CDS	58508	MLL3	myeloid/lymphoid or mixed-lineage leukemia 3
Hs.270492.1.83	chr7:151397748:151387449	151397435	c	NM_170606	9	CDS	58508	MLL3	myeloid/lymphoid or mixed-lineage leukemia 3
Hs.270775.1.1	chr1:180216784:180218479	180216904	c	NM_014837	3	CDS	9887	C1orf16	chromosome 1 open reading frame 16
Hs.270851.1.23	chr4:146438259:146434754	146437894	c	NM_199324	6	CDS	54726	HSN1	HIV-1 induced protein HIN-1
Hs.270869.1.12	chr14:73434719:73440415	73434974	c	NM_021188	5	CDS	57862	ZNF410	zinc finger protein 410
Hs.270962.1.2	chr7:73972981:73981342	73973141	c	NM_001003795	3	CDS	389524	GTF2IRD2B	GTF2IRD2 beta
Hs.270962.2.10	chr7:73692578:73684233	73692417	c	BC047706	3	CDS	NA	NA	NA
Hs.271224.1.11	chr3:49016698:49017297	49017032	c	NM_017732	5	CDS	54681	PH-4	hypoxia-inducible factor prolyl 4-hydroxylase
Hs.271264.1.25	chr6:53478148:53473271	53478018	c	NM_001498	12	CDS	2729	GCLC	glutamate-cysteine ligase, catalytic subunit
Hs.271272.1.5	chr12:106545519:106547917	106547154	c	NM_001017523	13	CDS	121551	BTBD11	BTB (POZ) domain containing 11
Hs.271614.1.9	chr14:23679937:23678664	23679928	c	NM_016049	3	CDS	51016	C14orf122	chromosome 14 open reading frame 122

Hs.2717.2.3	chr8:7755656:7758432	7755875	c	NM_058200	3	CDS	10407	SPAG11	sperm associated antigen 11
Hs.27182.1.14	chr9:26897831:26896075	26897805	c	NM_004253	12	CDS	9373	PLAA	phospholipase A2-activating protein
Hs.271876.1.1	chr8:79740955:79750576	79742910	c	NM_016010	1	CDS	51101	CGI-62	CGI-62 protein
Hs.271903.1.4	chr2:205376512:205655380	205376781	c	AB073472	2	CDS	117583	ALS2CR19	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 19
Hs.272168.1.10	chr20:42562312:42558411	42562039	c	NM_198941	10	3UTR	10955	TDE1	tumor differentially expressed 1
Hs.272168.1.12	chr20:42562312:42558411	42562242	c	NM_198941	10	3UTR	10955	TDE1	tumor differentially expressed 1
Hs.272168.1.9	chr20:42562312:42558411	42561945	c	NM_198941	10	3UTR	10955	TDE1	tumor differentially expressed 1
Hs.272225.1.6	chr9:74606468:74606279	74606436	c	NM_017662	26	CDS	140803	TRPM6	transient receptor potential cation channel, subfamily M, member 6
Hs.272246.1.7	chr5:86570387:86549924	86569891	c	NM_018382	1	CDS	55338	FLJ11292	hypothetical protein FLJ11292
Hs.272251.1.2	chr4:38887222:38905288	38887507	c	NM_199039	1	CDS	51088	KLHL5	kelch-like 5 (Drosophila)
Hs.272630.1.17	chr14:66876909:66875233	66876907	c	NM_015994	8	CDS	51382	ATP6V1D	ATPase, H+ transporting, lysosomal 34kDa, V1 subunit D
Hs.272848.1.17	chr17:38078719:38077937	38078271	c	NM_024927	6	CDS	79990	FLJ21019	hypothetical protein FLJ21019
Hs.273397.1.51	chr12:55012863:55008693	55012682	c	NM_014871	2	CDS	9924	USP52	ubiquitin specific protease 52
Hs.274128.1.15	chr7:6632636:6627717	6632470	c	NM_198097	7	CDS	221960	C7orf28B	chromosome 7 open reading frame 28B
Hs.274128.1.18	chr7:6637325:6637038	6637190	c	NM_198097	3	CDS	221960	C7orf28B	chromosome 7 open reading frame 28B
Hs.274295.1.7	chr6:30232694:30231516	30232475	c	NM_006778	5	CDS	10107	TRIM10	tripartite motif-containing 10
Hs.274329.1.10	chr7:86619200:86615652	86618743	c	AB007457	1	CDS	11257	TP53AP1	TP53 activated protein 1
Hs.274329.1.9	chr7:86619200:86615652	86616406	c	AB007457	1	CDS	11257	TP53AP1	TP53 activated protein 1
Hs.274337.1.23	chr14:44649771:44651270	44649826	c	NM_017922	11	CDS	55015	PRPF39	PRPF39 pre-mRNA processing factor 39 homolog (yeast)
Hs.274531.1.3	chr5:54654050:54655716	54654352	c	NM_015360	2	CDS	23517	SKIV2L2	superkiller viralicidic activity 2-like 2 (S. cerevisiae)
Hs.274873.1.24	chr11:3004481:2998139	3004227	c	NM_001014437	10	CDS	833	CARS	cysteinyI-tRNA synthetase
Hs.274959.1.8	chr18:617530:623297	617565	c	NM_014410	5	CDS	27098	CLUL1	clusterin-like 1 (retinal)
Hs.275711.1.16	chr22:44936431:44948207	44938879	c	NM_001001928	6	CDS	5465	PPARA	peroxisome proliferative activated receptor, alpha
Hs.276878.1.34	chr16:55430483:55430933	55430629	c	NM_014669	18	CDS	9688	NUP93	nucleoporin 93kDa
Hs.276905.1.15	chr10:27496210:27498878	27496476	c	NM_032844	7	CDS	84930	MASTL	microtubule associated serine/threonine kinase-like
Hs.27695.1.14	chrX:10247472:10237584	10247015	c	NM_000381	7	CDS	4281	MID1	midline 1 (Opitz/BBB syndrome)
Hs.277026.1.6	chr9:35650090:35649171	35650006	c	NM_032818	7	3UTR	84904	C9orf100	chromosome 9 open reading frame 100
Hs.277154.1.22	chr5:74068376:74064680	74068250	c	NM_032380	15	CDS	84340	GFM2	G elongation factor, mitochondrial 2
Hs.277624.1.8	chr17:3859646:3858998	3859352	c	NM_015113	53	CDS	23140	ZZEF1	zinc finger, ZZ-type with EF-hand domain 1
Hs.277677.1.27	chr2:240677959:240674268	240677814	c	NM_004544	4	CDS	4705	NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa
Hs.278815.1.3	chr14:93575181:93580069	93575510	c	NM_023112	3	CDS	78990	OTUB2	OTU domain, ubiquitin aldehyde binding 2
Hs.278945.1.16	chr4:25043058:25046919	25044006	c	AY629351	12	CDS	29063	ZCCHC4	zinc finger, CCHC domain containing 4
Hs.278960.1.3	chr3:139332388:139326419	139332207	c	NM_016161	2	CDS	51146	A4GNT	alpha-1,4-N-acetylglucosaminyltransferase
Hs.278962.1.10	chr5:33999552:33990367	33999381	c	NM_001012509	3	CDS	51151	MATP	membrane associated transporter
Hs.278962.1.20	chr5:34020060:34018275	34019793	c	NM_001012509	1	CDS	51151	MATP	membrane associated transporter
Hs.278962.1.3	chr5:33983024:33980735	33981728	c	NM_016180	6	CDS	51151	MATP	membrane associated transporter
Hs.278962.1.7	chr5:33987415:33983237	33987267	c	NM_001012509	5	CDS	51151	MATP	membrane associated transporter
Hs.279522.1.1	chr9:99668639:99669877	99668802	c	NM_173200	1	CDS	8013	NR4A3	nuclear receptor subfamily 4, group A, member 3
Hs.279562.1.13	chr20:62329769:62333960	62329899	c	NM_004535	18	CDS	4661	MYT1	myelin transcription factor 1
Hs.279652.1.19	chr19:10230362:10231292	10230647	c	NM_015956	8	CDS	51073	MRPL4	mitochondrial ribosomal protein L4
Hs.279652.1.22	chr19:10230362:10231292	10230809	c	NM_015956	8	CDS	51073	MRPL4	mitochondrial ribosomal protein L4
Hs.279806.1.20	chr17:59929018:59928804	59928855	c	NM_004396	9	CDS	1655	DDX5	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5
Hs.279806.1.37	chr17:59931256:59930899	59931189	c	NM_004396	2	CDS	1655	DDX5	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5
Hs.279913.1.11	chr12:119481518:119480447	119481326	c	NM_198201	2	CDS	51367	POP5	processing of precursor 5, ribonuclease P/MRP subunit (S. cerevisiae)

Hs.280388.1.17	chr2:110279471:110278088	110279282	c	NM_000272	8	CDS	4867	NPHP1	nephronophthisis 1 (juvenile)
Hs.280388.1.21	chr2:110293374:110284951	110292993	c	NM_000272	4	CDS	4867	NPHP1	nephronophthisis 1 (juvenile)
Hs.280881.1.2	chr14:49868729:49866650	49868394	c	NM_004196	8	CDS	8814	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)
Hs.280951.1.24	chr16:73500306:73495500	73500132	c	NM_030581	17	CDS	79726	WDR59	WD repeat domain 59
Hs.280951.1.30	chr16:73503596:73501317	73503516	c	NM_030581	14	CDS	79726	WDR59	WD repeat domain 59
Hs.282326.1.8	chr21:34815666:34812425	34815239	c	NM_004414	3	CDS	1827	DSCR1	Down syndrome critical region gene 1
Hs.282417.1.40	chr14:50460436:50457536	50459719	c	NM_002863	5	CDS	5836	PYGL	phosphorylase, glycogen; liver (Hers disease, glycogen storage disease type VI)
Hs.282417.1.44	chr14:50460436:50457536	50460284	c	NM_002863	5	CDS	5836	PYGL	phosphorylase, glycogen; liver (Hers disease, glycogen storage disease type VI)
Hs.282624.1.7	chr10:96692089:96697525	96692829	c	NM_000771	3	CDS	1559	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9
Hs.282624.1.8	chr10:96692089:96697525	96693013	c	NM_000771	3	CDS	1559	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9
Hs.282678.1.17	chr17:57387524:57385257	57387050	c	NM_005121	26	CDS	9969	THRAP1	thyroid hormone receptor associated protein 1
Hs.282678.1.23	chr17:57393009:57388625	57392967	c	NM_005121	23	CDS	9969	THRAP1	thyroid hormone receptor associated protein 1
Hs.282678.1.46	chr17:57442692:57427509	57442571	c	NM_005121	9	CDS	9969	THRAP1	thyroid hormone receptor associated protein 1
Hs.282855.1.4	chr15:54173122:54167000	54172035	c	NM_022841	9	CDS	64864	RFXDC2	regulatory factor X domain containing 2
Hs.282901.1.35	chr20:33783276:33780864	33782696	c	NM_004902	4	CDS	9584	RNPC2	RNA-binding region (RNP1, RRM) containing 2
Hs.282901.1.36	chr20:33783276:33780864	33782823	c	NM_004902	4	CDS	9584	RNPC2	RNA-binding region (RNP1, RRM) containing 2
Hs.282938.1.10	chr2:227834736:227830460	227834583	c	NM_000092	3	CDS	1286	COL4A4	collagen, type IV, alpha 4
Hs.282938.1.8	chr2:227752750:227750465	227752491	c	NM_000092	26	CDS	1286	COL4A4	collagen, type IV, alpha 4
Hs.283022.1.8	chr6:41356676:41351947	41355255	c	NM_018643	3	CDS	54210	TREM1	triggering receptor expressed on myeloid cells 1
Hs.283369.1.4	chr7:142139460:142129576	142138727	c	NM_019841	8	CDS	56302	TRPV5	transient receptor potential cation channel, subfamily V, member 5
Hs.283551.1.3	chr3:185337227:185338109	185337463	c	NM_003907	2	CDS	8893	EIF2B5	eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa
Hs.283613.1.5	chr1:22661006:22665124	22661420	c	NM_020526	5	CDS	2046	EPHA8	EPH receptor A8
Hs.283652.1.5	chr10:1078571:1077445	1078495	c	NM_004508	4	CDS	3422	IDI1	isopentenyl-diphosphate delta isomerase 1
Hs.284157.1.1	chr14:67078464:67092294	67078615	c	NM_020715	2	CDS	57475	PLEKHH1	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1
Hs.284800.1.5	chr2:152552552:152551258	152552260	c	NM_000726	8	CDS	785	CACNB4	calcium channel, voltage-dependent, beta 4 subunit
Hs.285317.1.10	chr4:8588145:8590881	8588357	c	NM_152544	5	CDS	152992	FLJ35725	hypothetical protein FLJ35725
Hs.285724.1.16	chr7:20211858:20214583	20211925	c	NM_002214	9	CDS	3696	ITGB8	integrin, beta 8
Hs.285782.1.3	chr2:77657098:76887698	77656022	c	AY358324	3	CDS	80059	LRRTM4	leucine rich repeat transmembrane neuronal 4
Hs.287379.1.11	chr10:49686010:49688580	49686270	c	AK093607	5	CDS	57705	WDFY4	WDFY family member 4
Hs.287471.1.16	chr1:150997868:150993198	150997768	c	NM_015449	5	CDS	25912	C1orf43	chromosome 1 open reading frame 43
Hs.287537.1.13	chr10:125770761:125761987	125770314	c	NM_015892	5	CDS	51363	GALNAC4S-6ST	B cell RAG associated protein
Hs.287537.1.14	chr10:125770761:125761987	125770588	c	NM_015892	5	CDS	51363	GALNAC4S-6ST	B cell RAG associated protein
Hs.28780.1.5	chrX:134208283:134208554	134208467	c	BC065938	3	UTR	203523	ZNF449	zinc finger protein 449
Hs.287827.1.14	chr7:86726910:86725762	86726346	c	NM_000443	10	CDS	5244	ABCB4	ATP-binding cassette, sub-family B (MDR/TAP), member 4
Hs.288178.1.22	chr1:189785486:189792437	189785626	c	AY205315	9	CDS	6738	TROVE2	TROVE domain family, member 2
Hs.288178.1.24	chr1:189785828:189792437	189786048	c	AY205314	10	3UTR	6738	TROVE2	TROVE domain family, member 2
Hs.288178.1.26	chr1:189785828:189792437	189786772	c	AY205314	10	3UTR	6738	TROVE2	TROVE domain family, member 2
Hs.288229.1.11	chr9:127505187:127507079	127505555	c	NM_003165	7	CDS	6812	STXBP1	syntaxin binding protein 1
Hs.288715.1.15	chr12:87032887:87027464	87032341	c	NM_025114	6	CDS	80184	Cep290	centrosome protein cep290
Hs.288715.1.2	chr12:86990014:86989078	86989842	c	NM_025114	28	CDS	80184	Cep290	centrosome protein cep290
Hs.288927.1.10	chr10:105917368:105916467	105917333	c	NM_025145	22	CDS	80217	C10orf79	chromosome 10 open reading frame 79
Hs.288927.1.17	chr10:105953419:105947787	105953178	c	NM_025145	8	CDS	80217	C10orf79	chromosome 10 open reading frame 79
Hs.288959.1.12	chr17:45894946:45895515	45895401	c	NM_025149	6	CDS	80221	FLJ20920	hypothetical protein FLJ20920

Hs.289319.1.10	chr19:45273882:45270727	45273870	c	AK131328	7	CDS	284323	LOC284323	hypothetical protein LOC284323
Hs.289347.1.14	chr1:12574816:12573707	12574397	c	NM_004753	2	CDS	9249	DHRS3	dehydrogenase/reductase (SDR family) member 3
Hs.289795.1.9	chr11:30473418:30395757	30473260	c	NM_001584	3	CDS	744	C11orf8	chromosome 11 open reading frame 8
Hs.289828.1.3	chr10:5960065:5944661	5960058	c	NM_019046	7	3UTR	54522	ANKRD16	ankyrin repeat domain 16
Hs.289828.1.7	chr10:5964974:5962346	5964672	c	NM_001009941	5	CDS	54522	ANKRD16	ankyrin repeat domain 16
Hs.290243.1.1	chr10:103995529:104008675	103997781	c	NM_004193	1	5UTR	8729	GBF1	golgi-specific brefeldin A resistance factor 1
Hs.291000.1.8	chr4:89543331:89541058	89543081	c	NM_152542	6	CDS	152926	PPM1K	protein phosphatase 1K (PP2C domain containing)
Hs.29106.1.13	chr6:293842:295821	295701	c	NM_020185	7	CDS	56940	DUSP22	dual specificity phosphatase 22
Hs.291212.1.6	chr5:77024846:77023080	77024846	c	NM_004607	3	CDS	6902	TBCA	tubulin-specific chaperone a
Hs.292072.1.21	chr19:16374131:16367279	16372444	c	NM_021235	16	CDS	58513	EPS15L1	epidermal growth factor receptor pathway substrate 15-like 1
Hs.292072.1.53	chr19:16412672:16409677	16412464	c	NM_021235	4	CDS	58513	EPS15L1	epidermal growth factor receptor pathway substrate 15-like 1
Hs.292072.1.54	chr19:16412672:16409677	16412503	c	NM_021235	4	CDS	58513	EPS15L1	epidermal growth factor receptor pathway substrate 15-like 1
Hs.292097.1.11	chr10:94665651:94669718	94665767	c	NM_001013848	7	CDS	54536	SEC15L1	SEC15-like 1 (S. cerevisiae)
Hs.292265.1.28	chr10:285029:288287	285201	c	NM_006624	14	CDS	10771	ZMYND11	zinc finger, MYND domain containing 11
Hs.292336.1.3	chr19:57212181:57208318	57208389	c	BC004930	5	CDS	80110	ZNF614	zinc finger protein 614
Hs.292449.1.6	chr1:154461457:154459632	154461184	c	AF416905	15	3UTR	115352	FCRL3	Fc receptor-like 3
Hs.292464.1.13	chr8:104406903:104409671	104407339	c	NM_003506	4	CDS	8323	FZD6	frizzled homolog 6 (Drosophila)
Hs.292464.1.20	chr8:104411470:104412744	104411555	c	NM_003506	6	CDS	8323	FZD6	frizzled homolog 6 (Drosophila)
Hs.292509.1.10	chr2:114191559:114189003	114191117	c	NM_025181	15	3UTR	80255	SLC35F5	solute carrier family 35, member F5
Hs.292509.1.24	chr2:114208392:114205456	114207708	c	NM_025181	9	CDS	80255	SLC35F5	solute carrier family 35, member F5
Hs.292509.1.25	chr2:114216498:114209666	114215691	c	NM_025181	7	CDS	80255	SLC35F5	solute carrier family 35, member F5
Hs.292575.1.11	chr10:38444225:38446323	38444627	c	NM_001007094	7	CDS	7587	ZNF37A	zinc finger protein 37a (KOX 21)
Hs.292590.1.8	chr13:50724339:50752586	50725719	c	NM_145019	4	CDS	220108	FLJ30707	hypothetical protein FLJ30707
Hs.292599.1.1	chrX:119282527:119286451	119282814	c	AF158383	2	CDS	23439	ATP1B4	ATPase, (Na+)/K+ transporting, beta 4 polypeptide
Hs.292925.1.13	chr2:55430462:55429952	55430462	c	NM_018084	31	3UTR	55704	KIAA1212	KIAA1212
Hs.292925.1.14	chr2:55434383:55430563	55432960	c	NM_018084	30	CDS	55704	KIAA1212	KIAA1212
Hs.292925.1.41	chr2:55467080:55461480	55467079	c	NM_018084	17	CDS	55704	KIAA1212	KIAA1212
Hs.292986.1.31	chr4:107527005:107526049	107526664	c	NM_033115	7	CDS	93627	MGC16169	hypothetical protein MGC16169
Hs.293077.1.19	chr12:100622651:100625146	100623285	c	NM_020244	8	CDS	56994	CHPT1	choline phosphotransferase 1
Hs.293274.1.10	chr18:10462059:10475458	10462116	c	NM_153000	3	CDS	147495	APCDD1	adenomatosis polyposis coli down-regulated 1
Hs.295626.1.5	chr19:14640613:14635353	14640432	c	NM_032571	2	CDS	84658	EMR3	egf-like module containing, mucin-like, hormone receptor-like 3
Hs.295732.1.4	chr12:100182756:100185205	100183044	c	NM_014503	5	CDS	27340	DRIM	down-regulated in metastasis
Hs.295732.1.5	chr12:100223494:100225486	100223674	c	NM_014503	26	CDS	27340	DRIM	down-regulated in metastasis
Hs.295917.1.9	chr8:20113108:20113442	20113206	c	NM_001693	6	CDS	526	ATP6V1B2	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B, isoform 2
Hs.29679.1.2	chr6:131950541:131937129	131949584	c	NM_015979	30	CDS	9439	CRSP3	cofactor required for Sp1 transcriptional activation, subunit 3, 130kDa
Hs.29698.1.4	chr12:132132556:132120092	132131743	c	NM_183238	3	CDS	90462	ZNF605	zinc finger protein 605
Hs.29802.1.14	chr4:20246897:20267535	20247156	c	NM_004787	30	CDS	9353	SLIT2	slit homolog 2 (Drosophila)
Hs.298069.1.15	chr7:128951168:128961031	128951428	c	NM_005011	9	CDS	4899	NRF1	nuclear respiratory factor 1
Hs.298252.1.8	chr16:20394597:20396191	20394682	c	NM_001010845	9	CDS	123876	LOC123876	hypothetical protein LOC123876
Hs.298351.1.6	chr17:77546044:77547156	77546313	c	NM_024083	5	CDS	79058	ASPSCR1	alveolar soft part sarcoma chromosome region, candidate 1
Hs.298573.1.14	chr1:245320483:245318561	245319980	c	NM_030645	4	CDS	80851	SH3BP5L	SH3-binding domain protein 5-like
Hs.298658.1.10	chr4:38514067:38518932	38514424	c	NM_016531	4	CDS	51274	KLF3	Kruppel-like factor 3 (basic)
Hs.298658.1.12	chr4:38514067:38518932	38514935	c	NM_016531	4	CDS	51274	KLF3	Kruppel-like factor 3 (basic)
Hs.298863.1.10	chr5:35706087:35726895	35706141	c	NM_024867	10	CDS	79925	FLJ23577	KPL2 protein

Hs.298863.1.11	chr5:35706087:35726895	35706204	c	NM_024867	10	CDS	79925	FLJ23577	KPL2 protein
Hs.298863.1.12	chr5:35706087:35726895	35707432	c	NM_024867	10	CDS	79925	FLJ23577	KPL2 protein
Hs.298863.1.17	chr5:35744981:35748670	35746705	c	NM_024867	19	CDS	79925	FLJ23577	KPL2 protein
Hs.298885.1.21	chrX:23485650:23484514	23485611	c	NM_012332	9	CDS	23597	ACATE2	acyl-Coenzyme A thioesterase 2, mitochondrial
Hs.298885.1.25	chrX:23490908:23485719	23490901	c	NM_012332	8	CDS	23597	ACATE2	acyl-Coenzyme A thioesterase 2, mitochondrial
Hs.298990.1.10	chr9:2037485:2044596	2037954	c	NM_003070	5	CDS	6595	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2
Hs.299560.1.5	chr7:148856275:148857160	148856779	c	NM_032534	5	CDS	84626	KIAA1862	KIAA1862 protein
Hs.30026.1.9	chr1:1585419:1565650	1582997	c	NM_014188	2	CDS	29101	SSU72	Ssu72 RNA polymerase II CTD phosphatase homolog (yeast)
Hs.301658.1.14	chr16:83670111:83672421	83670258	c	NM_014732	8	CDS	9764	KIAA0513	KIAA0513
Hs.301658.1.15	chr16:83670111:83672421	83670861	c	NM_014732	8	CDS	9764	KIAA0513	KIAA0513
Hs.301927.1.4	chrX:153870683:153881241	153870909	c	NM_001018055	5	CDS	79184	CXorf53	chromosome X open reading frame 53
Hs.302034.1.1	chr1:20215390:20216378	20215879	c	NM_022819	3	CDS	64600	PLA2G2F	phospholipase A2, group IIF
Hs.302051.1.51	chr17:31943384:31941408	31943044	c	NM_025109	11	CDS	80179	MYOHD1	myosin head domain containing 1
Hs.302123.1.4	chr20:55621624:55620393	55621353	c	NM_030776	5	CDS	81030	ZBP1	Z-DNA binding protein 1
Hs.30213.1.7	chr13:76468264:76472593	76468413	c	NM_006493	3	CDS	1203	CLN5	ceroid-lipofuscinosis, neuronal 5
Hs.302435.1.11	chr12:56410544:56409818	56410433	c	NM_014770	12	CDS	116986	CENTG1	centaurin, gamma 1
Hs.303454.1.10	chr2:72603943:72518655	72600255	c	AK023791	5	CDS	23233	SEC15L2	SEC15-like 2 (<i>S. cerevisiae</i>)
Hs.303676.1.29	chr4:76937428:76936445	76937309	c	NM_012297	7	CDS	9908	G3BP2	Ras-GTPase activating protein SH3 domain-binding protein 2
Hs.303676.1.35	chr4:76939286:76938234	76938968	c	NM_012297	5	CDS	9908	G3BP2	Ras-GTPase activating protein SH3 domain-binding protein 2
Hs.303808.1.37	chr2:75840979:75840069	75840577	c	NM_003203	3	CDS	6936	C2orf3	chromosome 2 open reading frame 3
Hs.303820.1.13	chr4:15189316:15192598	15189564	c	AB037766	6	CDS	57545	KIAA1345	KIAA1345 protein
Hs.303820.1.15	chr4:15194649:15205338	15194694	c	AB037766	9	CDS	57545	KIAA1345	KIAA1345 protein
Hs.30385.1.29	chr10:22002855:22010266	22002981	c	NM_001009569	10	CDS	8028	MLLT10	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, <i>Drosophila</i>); translocated to, 10
Hs.303930.1.10	chr7:138303024:138307132	138303344	c	NM_024926	8	CDS	79989	FLJ12571	hypothetical protein FLJ12571
Hs.304362.1.40	chr8:133924303:133925582	133924538	c	NM_016018	20	3UTR	51105	PHF20L1	PHD finger protein 20-like 1
Hs.304376.1.11	chr1:201110276:201107099	201110257	c	NM_032833	1	CDS	84919	PPP1R15B	protein phosphatase 1, regulatory (inhibitor) subunit 15B
Hs.304475.1.26	chr5:169630300:169628065	169629820	c	NM_005565	7	CDS	3937	LCP2	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)
Hs.304578.1.24	chr7:37024230:36946080	37023930	c	NM_014800	13	CDS	9844	ELMO1	engulfment and cell motility 1 (ced-12 homolog, <i>C. elegans</i>)
Hs.30561.1.12	chr8:95473012:95468564	95472561	c	NM_012415	10	CDS	25788	RAD54B	RAD54 homolog B (<i>S. cerevisiae</i>)
Hs.30570.1.11	chrX:48511254:48510390	48510687	c	NM_005834	2	CDS	10245	TIMM17B	translocase of inner mitochondrial membrane 17 homolog B (yeast)
Hs.306221.1.4	chr1:90182825:90184924	90184021	c	NM_182976	4	CDS	284695	ZNF326	zinc finger protein 326
Hs.306329.1.10	chr15:78202198:78210576	78202464	c	NM_019006	5	CDS	54469	ZA20D3	zinc finger, A20 domain containing 3
Hs.306425.1.55	chr6:83006601:83000692	83006266	c	NM_015525	2	CDS	25998	IBTK	inhibitor of Bruton agammaglobulinemia tyrosine kinase
Hs.306777.1.15	chr17:35326860:35322277	35326060	c	NM_018530	1	CDS	55876	GSDML	gasdermin-like
Hs.307529.1.17	chr3:44829677:44831406	44829766	c	NM_020242	19	CDS	56992	KIF15	kinesin family member 15
Hs.307529.1.29	chr3:44864554:44865016	44864557	c	NM_020242	31	CDS	56992	KIF15	kinesin family member 15
Hs.307720.1.13	chr2:25554034:25522882	25553812	c	NM_021907	16	CDS	1838	DTNB	dystrobrevin, beta
Hs.30783.1.12	chr19:18562744:18563917	18563115	c	BC012078	4	CDS	55049	FLJ20850	hypothetical protein FLJ20850
Hs.30792.1.42	chr19:12746482:12744859	12745924	c	NM_013312	3	CDS	29911	HOOK2	hook homolog 2 (<i>Drosophila</i>)
Hs.307924.1.14	chrX:11543506:11546348	11543839	c	NM_006800	8	CDS	10943	MSL3L1	male-specific lethal 3-like 1 (<i>Drosophila</i>)

Hs.307924.1.16	chrX:11543506:11546348	11544061	c	NM_006800	8	CDS	10943	MSL3L1	male-specific lethal 3-like 1 (Drosophila)
Hs.307924.1.17	chrX:11543506:11546348	11545753	c	NM_006800	8	CDS	10943	MSL3L1	male-specific lethal 3-like 1 (Drosophila)
Hs.307924.1.19	chrX:11546459:11549931	11546878	c	NM_006800	9	CDS	10943	MSL3L1	male-specific lethal 3-like 1 (Drosophila)
Hs.308.1.12	chrX:69283980:69284546	69284103	c	NM_004312	15	CDS	407	ARR3	arrestin 3, retinal (X-arrestin)
Hs.308171.1.13	chr12:130877828:130879067	130877899	c	NM_004592	6	CDS	6433	SFRS8	splicing factor, arginine/serine-rich 8 (suppressor-of-white-apricot homolog, Drosophila)
Hs.308628.1.10	chr5:100249945:100220000	100248914	c	NM_005668	3	CDS	7903	ST8SIA4	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4
Hs.308628.1.11	chr5:100249945:100220000	100249840	c	NM_005668	3	CDS	7903	ST8SIA4	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4
Hs.308628.1.19	chr5:100266445:100259389	100266291	c	NM_005668	1	CDS	7903	ST8SIA4	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4
Hs.30917.1.5	chr2:101458512:101430347	101458356	c	NM_153836	2	CDS	200407	CREG2	cellular repressor of E1A-stimulated genes 2
Hs.309288.1.26	chr10:11411067:11412424	11411229	c	NM_006561	13	3UTR	10659	CUGBP2	CUG triplet repeat, RNA binding protein 2
Hs.309403.1.23	chr1:17042569:17043265	17042764	c	NM_014675	35	CDS	9696	CROCC	ciliary rootlet coiled-coil, rootletin
Hs.309602.1.5	chr6:30246765:30247587	30246860	c	NM_033229	7	CDS	89870	TRIM15	tripartite motif-containing 15
Hs.309753.1.3	chr7:38020571:38027197	38020893	c	NM_032016	2	CDS	83930	STARD3NL	STARD3 N-terminal like
Hs.3100.1.15	chr16:74227078:74225692	74226723	c	NM_005548	6	CDS	3735	KARS	lysyl-tRNA synthetase
Hs.310399.1.25	chr15:43254708:43253207	43254398	c	NM_138356	4	CDS	90525	SHF	Src homology 2 domain containing F
Hs.310421.1.8	chr10:26830047:26832131	26830873	c	NM_019043	5	CDS	54518	APBB1IP	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein
Hs.310429.1.9	chr14:50262420:50260141	50262300	c	NM_020921	31	CDS	51199	NIN	ninein (GSK3B interacting protein)
Hs.310637.1.5	chr1:93383210:93384684	93383217	c	AK126045	2	5UTR	343099	CCDC18	coiled-coil domain containing 18
Hs.311100.1.12	chr3:47518143:47514927	47517933	c	NM_017713	5	CDS	54859	FLJ20211	hypothetical protein FLJ20211
Hs.311346.1.1	chr12:22090765:22099349	22091136	c	NM_018686	1	CDS	55907	CMAS	cytidine monophosphate N-acetylneuraminic acid synthetase
Hs.312485.1.21	chr4:111043296:111040453	111043079	c	NM_000204	3	CDS	3426	IF	I factor (complement)
Hs.312644.1.7	chr2:108461347:108462293	108461500	c	NM_006588	6	CDS	27233	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2
Hs.314338.1.32	chr21:39525972:39523233	39525562	c	NM_018963	25	CDS	54014	BRWD1	bromodomain and WD repeat domain containing 1
Hs.314338.1.45	chr21:39592227:39590160	39591873	c	NM_018963	5	CDS	54014	BRWD1	bromodomain and WD repeat domain containing 1
Hs.314338.1.6	chr21:39490293:39481214	39484018	c	NM_018963	41	CDS	54014	BRWD1	bromodomain and WD repeat domain containing 1
Hs.314413.1.61	chr13:98310659:98306287	98310436	c	NM_015296	33	CDS	23348	DOCK9	dedicator of cytokinesis 9
Hs.316890.1.40	chr20:17897017:17885682	17896344	c	NM_014426	1	CDS	27131	SNX5	sorting nexin 5
Hs.317243.1.2	chr11:71477860:71482189	71477973	c	NM_145309	3	CDS	220074	LRRCS1	leucine rich repeat containing 51
Hs.317590.1.12	chr19:38114174:38109731	38113971	c	NM_032816	9	CDS	84902	FLJ14640	hypothetical protein FLJ14640
Hs.317590.1.15	chr19:38120376:38119867	38120278	c	AK027546	5	5UTR	84902	FLJ14640	hypothetical protein FLJ14640
Hs.317593.1.31	chr13:113236557:113241672	113236668	c	NM_017905	9	CDS	55002	TMCO3	transmembrane and coiled-coil domains 3
Hs.31845.1.6	chr15:98987771:99006050	98987937	c	NM_198243	5	CDS	140460	ASB7	ankyrin repeat and SOCS box-containing 7
Hs.318547.1.20	chr11:48108845:48114166	48108924	c	NM_002843	8	CDS	5795	PTPRJ	protein tyrosine phosphatase, receptor type, J
Hs.318775.1.9	chr2:179072742:179073257	179073013	c	NM_032523	16	CDS	114880	OSBPL6	oxysterol binding protein-like 6
Hs.318894.1.7	chr6:142763427:142764823	142763606	c	NM_020455	11	CDS	57211	GPR126	G protein-coupled receptor 126
Hs.319171.1.1	chr3:103029719:103031146	103029765	c	NM_001005474	1	5UTR	64332	NFKBIZ	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta
Hs.319503.1.3	chrX:23158026:23170304	23159208	c	NM_173495	2	CDS	139411	PTCHD1	patched domain containing 1
Hs.320823.1.5	chr20:17899014:17904326	17899081	c	NM_052865	1	CDS	92667	C20orf72	chromosome 20 open reading frame 72
Hs.320823.1.6	chr20:17899014:17904326	17899410	c	NM_052865	1	CDS	92667	C20orf72	chromosome 20 open reading frame 72
Hs.321045.1.8	chr1:203036733:203037918	203036873	c	NM_014002	5	CDS	9641	IKBKE	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon
Hs.321234.1.26	chr1:11075086:11074873	11075024	c	NM_002685	12	CDS	5394	EXOSC10	exosome component 10

Hs.321273.1.21	chr7:132622148:132772052	132622381	c	NM_021807	9	CDS	60412	SEC8L1	SEC8-like 1 (<i>S. cerevisiae</i>)
Hs.321273.1.22	chr7:132622148:132772052	132622914	c	NM_021807	9	CDS	60412	SEC8L1	SEC8-like 1 (<i>S. cerevisiae</i>)
Hs.32148.1.9	chr15:99630491:99629374	99630000	c	NM_203472	6	3UTR	55829	SELS	selenoprotein S
Hs.321653.1.23	chr1:158013377:158025339	158013470	c	NM_032174	10	3UTR	84134	TOMM40L	translocase of outer mitochondrial membrane 40 homolog-like (yeast)
Hs.323489.1.38	chr2:86275344:86275762	86275646	c	NM_017952	22	CDS	55037	FLJ20758	FLJ20758 protein
Hs.323583.1.18	chr4:159449222:159434583	159447111	c	NM_016613	2	CDS	51313	DKFZp434L142	hypothetical protein DKFZp434L142
Hs.324271.1.14	chr7:102337821:102337521	102337758	c	NM_198990	5	3UTR	222236	NAPE-PLD	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D
Hs.325275.1.2	chr10:68358217:68527350	68358543	c	NM_178011	2	CDS	347731	LRRTM3	leucine rich repeat transmembrane neuronal 3
Hs.325404.1.30	chr12:101773706:101762909	101773531	c	NM_000277	4	CDS	5053	PAH	phenylalanine hydroxylase
Hs.325404.1.31	chr12:101773706:101762909	101773575	c	NM_000277	4	CDS	5053	PAH	phenylalanine hydroxylase
Hs.325422.1.14	chr1:21545385:21546698	21545499	c	NM_032264	7	CDS	84224	AE2	hypothetical protein AE2
Hs.325528.1.4	chr5:169062010:169067750	169062205	c	NM_004946	14	CDS	1794	DOCK2	dedicator of cytokinesis 2
Hs.325825.1.6	chr16:65213465:65208763	65213364	c	NM_178818	4	CDS	146223	CKLFSF4	chemokine-like factor super family 4
Hs.3260.1.1	chr14:72673685:72684255	72674659	c	NM_007318	1	5UTR	5663	PSEN1	presenilin 1 (Alzheimer disease 3)
Hs.3260.1.9	chr14:72710169:72723313	72710665	c	NM_000021	5	CDS	5663	PSEN1	presenilin 1 (Alzheimer disease 3)
Hs.326217.1.4	chr19:53858531:53857111	53857544	c	NM_145807	6	CDS	126147	LOC126147	hypothetical protein BC018697
Hs.326387.1.11	chrX:102746243:102739725	102744151	c	NM_012286	2	5UTR	9643	MORF4L2	mortality factor 4 like 2
Hs.326730.1.34	chr22:18372531:18352890	18370198	c	NM_001670	2	5UTR	421	ARVCF	armadillo repeat gene deletes in velocardiofacial syndrome
Hs.326950.1.6	chr14:23494262:23498950	23494597	c	NM_021004	2	CDS	10901	DHRS4	dehydrogenase/reductase (SDR family) member 4
Hs.32706.1.10	chr19:45758150:45763168	45758253	c	NM_020971	27	CDS	57731	SPTBN4	spectrin, beta, non-erythrocytic 4
Hs.32706.1.11	chr19:45758150:45763168	45758498	c	NM_020971	27	CDS	57731	SPTBN4	spectrin, beta, non-erythrocytic 4
Hs.32721.1.21	chr2:234032973:234037048	234036822	c	NM_000541	14	CDS	6295	SAG	S-antigen; retina and pineal gland (arrestin)
Hs.330663.1.20	chr12:101060854:101061973	101061120	c	NM_017915	5	CDS	55010	FLJ20641	hypothetical protein FLJ20641
Hs.330663.1.21	chr12:101060854:101061973	101061165	c	NM_017915	5	CDS	55010	FLJ20641	hypothetical protein FLJ20641
Hs.330663.1.9	chr12:101044709:101050113	101045252	c	NM_017915	3	CDS	55010	FLJ20641	hypothetical protein FLJ20641
Hs.331141.1.10	chr12:110622264:110630329	110622386	c	AK097425	3	CDS	80724	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10
Hs.331141.1.12	chr12:110622264:110630329	110622514	c	AK097425	3	CDS	80724	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10
Hs.331141.1.20	chr12:110645568:110646667	110645946	c	NM_025247	13	CDS	80724	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10
Hs.331431.1.51	chr4:39722574:39714551	39722157	c	NM_015200	17	CDS	23244	SCC-112	SCC-112 protein
Hs.331431.1.52	chr4:39722574:39714551	39722208	c	NM_015200	17	CDS	23244	SCC-112	SCC-112 protein
Hs.331431.1.55	chr4:39722574:39714551	39722491	c	NM_015200	17	CDS	23244	SCC-112	SCC-112 protein
Hs.331555.1.25	chr5:147484594:147485478	147484694	c	NM_006846	28	CDS	11005	SPINK5	serine protease inhibitor, Kazal type 5
Hs.331555.1.3	chr5:147449378:147450920	147449797	c	NM_006846	7	CDS	11005	SPINK5	serine protease inhibitor, Kazal type 5
Hs.332706.1.10	chr10:13198347:13200911	13198546	c	BC032762	7	CDS	10133	OPTN	optineurin
Hs.332847.1.30	chr2:36676341:36683169	36676406	c	NM_016441	14	CDS	51232	CRIM1	cysteine rich transmembrane BMP regulator 1 (chordin-like)
Hs.333274.1.7	chr7:70933292:70720129	70933160	c	NM_001017440	4	CDS	83698	CALN1	calneuron 1
Hs.333907.1.15	chr14:61022128:61065545	61022255	c	NM_006255	10	CDS	5583	PRKCH	protein kinase C, eta
Hs.334.1.8	chr7:143510417:143511860	143510946	c	NM_001002861	13	3UTR	7984	ARHGEF5	Rho guanine nucleotide exchange factor (GEF) 5
Hs.33446.1.3	chr1:196740581:196744558	196742288	c	NM_205860	2	CDS	2494	NR5A2	nuclear receptor subfamily 5, group A, member 2
Hs.334479.1.7	chr16:2158171:2160615	2158509	c	NM_032271	4	CDS	84231	TRAF7	TNF receptor-associated factor 7
Hs.334633.1.3	chr5:43417659:43413344	43417012	c	NM_019846	3	3UTR	56477	CCL28	chemokine (C-C motif) ligand 28
Hs.334674.1.49	chrX:53113752:53111362	53113482	c	NM_004187	14	CDS	8242	SMCX	Smcy homolog, X-linked (mouse)
Hs.334832.1.9	chr1:199663850:199663485	199663717	c	NM_016243	8	CDS	51706	CYB5R1	cytochrome b5 reductase 1

Hs.334868.1.27	chr14:62990159:62958566	62987740	c	NM_006246	3	CDS	5529	PPP2R5E	protein phosphatase 2, regulatory subunit B (B56), epsilon isoform
Hs.335057.1.12	chr2:241995504:241996786	241995626	c	NM_001008491	6	CDS	4735	SEPT2	septin 2
Hs.335163.1.14	chr4:41462386:41481876	41462877	c	NM_014988	8	CDS	22998	KIAA1102	KIAA1102 protein
Hs.335163.1.15	chr4:41462386:41481876	41463239	c	NM_014988	8	CDS	22998	KIAA1102	KIAA1102 protein
Hs.335293.1.46	chr1:934451:932797	933783	c	NM_015658	2	CDS	26155	NOC2L	nucleolar complex associated 2 homolog (S. cerevisiae)
Hs.335513.1.32	chr6:6250582:6212042	6250345	c	NM_000129	3	CDS	2162	F13A1	coagulation factor XIII, A1 polypeptide
Hs.335614.1.17	chr22:29136947:29142819	29137518	c	NM_012429	11	CDS	23541	SEC14L2	SEC14-like 2 (S. cerevisiae)
Hs.335817.1.7	chr12:2575431:2576863	2575633	c	Z74996	20	CDS	775	CACNA1C	calcium channel, voltage-dependent, L type, alpha 1C subunit
Hs.335877.1.2	chr16:82827836:82814128	82826515	c	NM_172347	2	CDS	93107	KCNG4	potassium voltage-gated channel, subfamily G, member 4
Hs.335891.1.5	chr16:46802359:46799909	46800277	c	NM_032583	11	CDS	85320	ABCC11	ATP-binding cassette, sub-family C (CFTR/MRP), member 11
Hs.336431.1.27	chr22:48965026:48963479	48963873	c	NM_001008658	13	CDS	85378	TUBGCP6	tubulin, gamma complex associated protein 6
Hs.33719.1.20	chr3:9858666:9857490	9858184	c	NM_173659	4	CDS	285367	RPUSD3	RNA pseudouridylate synthase domain containing 3
Hs.337730.1.19	chr16:25088036:25089535	25088318	c	NM_016015	9	CDS	51451	LCMT1	leucine carboxyl methyltransferase 1
Hs.339646.1.5	chr4:88166089:88154776	88165129	c	NM_144645	4	3UTR	132989	MGC26744	hypothetical protein MGC26744
Hs.339735.1.48	chr13:112963075:112965801	112963118	c	NM_001008895	19	CDS	8451	CUL4A	cullin 4A
Hs.339811.1.6	chr4:70250907:70247198	70250567	c	NM_001073	5	CDS	10720	UGT2B11	UDP glucuronosyltransferase 2 family, polypeptide B11
Hs.34024.1.22	chr3:172301939:172294460	172301856	c	NM_015028	22	CDS	23043	TNIK	TRAF2 and NCK interacting kinase
Hs.34045.1.4	chr14:104548541:104548016	104548088	c	NM_145701	2	3UTR	55038	CDCA4	cell division cycle associated 4
Hs.3416.1.25	chr9:19113562:19111164	19113279	c	NM_001122	4	CDS	123	ADFP	adipose differentiation-related protein
Hs.341906.1.3	chr3:120917281:120927707	120917471	c	NM_033364	6	CDS	89876	C3orf15	chromosome 3 open reading frame 15
Hs.341906.1.7	chr3:120942233:120945511	120942336	c	NM_033364	13	CDS	89876	C3orf15	chromosome 3 open reading frame 15
Hs.34341.1.8	chr1:116776569:116773932	116776461	c	NM_001779	4	CDS	965	CD58	CD58 antigen, (lymphocyte function-associated antigen 3)
Hs.343487.1.2	chr3:141884700:141889261	141885655	c	NM_152616	2	CDS	287015	TRIM42	tripartite motif-containing 42
Hs.343589.1.1	chr8:145205791:145206833	145206157	c	NM_019037	1	CDS	54512	EXOSC4	exosome component 4
Hs.344400.1.13	chr16:80755187:80742621	80755026	c	NM_005792	2	CDS	10200	MPHOSPH6	M-phase phosphoprotein 6
Hs.344812.1.18	chr3:48477203:48480147	48477215	c	NM_032166	8	CDS	11277	TREX1	three prime repair exonuclease 1
Hs.34492.1.4	chr10:104612680:104613476	104612739	c	NM_144591	5	3UTR	119032	C10orf32	chromosome 10 open reading frame 32
Hs.345877.1.3	chr18:42311614:42311182	42311234	c	BC041860	23	CDS	125336	LOXHD1	lipoygenase homology domains 1
Hs.3459.1.15	chr16:23444065:23443277	23443842	c	NM_133451	8	CDS	124454	KIAA1970	KIAA1970 protein
Hs.346736.1.10	chr2:99270738:99281614	99270773	c	AK126402	10	3UTR	51263	MRPL30	mitochondrial ribosomal protein L30
Hs.346736.1.6	chr2:99270171:99270553	99270279	c	NM_145212	5	CDS	51263	MRPL30	mitochondrial ribosomal protein L30
Hs.348112.1.23	chr20:218199:212723	218072	c	NM_153269	3	CDS	140680	C20orf96	chromosome 20 open reading frame 96
Hs.34851.1.23	chr6:112504217:112504009	112504164	c	NM_016262	7	CDS	51175	TUBE1	tubulin, epsilon 1
Hs.348645.1.4	chr2:74714219:74701206	74714042	c	NM_138804	7	CDS	130951	LOC130951	hypothetical protein BC014602
Hs.348920.1.7	chrX:100201895:100206197	100202424	c	NM_006733	15	CDS	2491	FSHPRH1	FSH primary response (LRPR1 homolog, rat) 1
Hs.349758.1.12	chr17:40114896:40113538	40114615	c	NM_144609	3	CDS	124808	FLJ31795	hypothetical protein FLJ31795
Hs.350321.1.32	chr10:42942177:42943565	42942279	c	NM_020975	19	CDS	5979	RET	ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)
Hs.350756.1.12	chr8:74626800:74497492	74624394	c	BC008369	12	CDS	27067	STAU2	staufen, RNA binding protein, homolog 2 (Drosophila)
Hs.350899.1.7	chr1:220243560:220245326	220243913	c	NM_001748	6	CDS	824	CAPN2	calpain 2, (m/II) large subunit
Hs.351.1.5	chr6:167765019:167761992	167765008	c	NM_004610	3	CDS	6953	TCP10	t-complex 10 (mouse)
Hs.351005.1.6	chr18:31207417:31203623	31205773	c	NM_145756	3	CDS	252884	ZNF396	zinc finger protein 396
Hs.351005.1.8	chr18:31207417:31203623	31207256	c	NM_145756	3	CDS	252884	ZNF396	zinc finger protein 396
Hs.351403.1.2	chr3:139266167:139264518	139265948	c	NM_173543	15	CDS	199221	DZIP1L	DAZ interacting protein 1-like

Hs.351403.1.9	chr3:139293922:139290048	139293892	c	NM_173543	5	CDS	199221	DZIP1L	DAZ interacting protein 1-like
Hs.351431.1.1	chr1:151820277:151824951	151820617	c	NM_152494	4	CDS	149095	DCST1	DC-STAMP domain containing 1
Hs.351558.1.8	chr19:40926549:40925545	40926323	c	NM_144987	5	CDS	199746	U2AF1L3	U2(RNU2) small nuclear RNA auxiliary factor 1-like 3
Hs.351571.1.20	chr16:66886206:66887767	66886311	c	NM_003983	8	CDS	9057	SLC7A6	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6
Hs.35198.1.5	chr6:46241082:46237450	46241015	c	NM_021572	3	CDS	59084	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)
Hs.352142.1.6	chr7:73692578:73684233	73692417	c	NM_173537	3	CDS	84163	GTF2IRD2	GTF2I repeat domain containing 2
Hs.352588.1.4	chr11:75842081:75846874	75842618	c	NM_020193	4	CDS	56946	C11orf30	chromosome 11 open reading frame 30
Hs.352591.1.1	chr10:127658898:127667109	127659013	c	NM_145235	2	CDS	92565	FANK1	fibronectin type III and ankyrin repeat domains 1
Hs.352671.1.13	chr21:33889531:33885548	33889307	c	NM_145858	12	3UTR	9946	CRYZL1	crystallin, zeta (quinone reductase)-like 1
Hs.353175.1.28	chr6:161557690:161545754	161557533	c	NM_020133	3	CDS	56895	AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)
Hs.353176.1.11	chr5:45681043:45497867	45680780	c	NM_021072	2	CDS	348980	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1
Hs.354013.1.11	chr8:92421956:92424756	92422062	c	NM_052832	8	CDS	115111	SLC26A7	solute carrier family 26, member 7
Hs.354645.1.5	chr14:94980574:94979380	94980205	c	NM_152592	9	CDS	161176	C14orf49	chromosome 14 open reading frame 49
Hs.35490.1.14	chr16:11045431:11048649	11045580	c	NM_015226	16	CDS	23274	KIAA0350	KIAA0350 protein
Hs.35490.1.27	chr16:11127505:11167745	11127702	c	NM_015226	22	CDS	23274	KIAA0350	KIAA0350 protein
Hs.355570.1.18	chr17:39496694:39473151	39496483	c	NM_152344	2	CDS	124801	FLJ30656	hypothetical protein FLJ30656
Hs.356399.1.18	chr1:207874699:207875160	207875031	c	NM_018254	10	CDS	55758	RCOR3	REST corepressor 3
Hs.356501.1.14	chrX:133274671:133276718	133274842	c	NM_001015877	8	CDS	84295	PHF6	PHD finger protein 6
Hs.356624.1.39	chr1:232534797:232531634	232534795	c	NM_002508	3	CDS	4811	NID1	nidogen 1
Hs.356664.1.4	chr15:43198636:43197560	43198563	c	NM_144565	9	CDS	90527	NIP	homolog of Drosophila Numb-interacting protein
Hs.35758.1.7	chr10:76273243:76389733	76273353	c	NM_012330	1	CDS	23522	MYST4	MYST histone acetyltransferase (monocytic leukemia) 4
Hs.357637.1.25	chr1:101072209:101066442	101072009	c	NM_001439	1	5UTR	2135	EXTL2	exostoses (multiple)-like 2
Hs.35804.1.14	chr4:89934365:89936743	89935760	c	NM_014606	9	CDS	8916	HERC3	hect domain and RLD 3
Hs.35828.1.14	chr14:103001884:103002061	103001936	c	NM_002376	8	CDS	4140	MARK3	MAP/microtubule affinity-regulating kinase 3
Hs.360786.1.5	chr8:68085503:68063307	68085407	c	NM_001013626	5	CDS	286187	LOC286187	similar to RIKEN cDNA 1700011J18
Hs.361323.1.6	chr3:185387366:185387886	185387773	c	NM_018358	3	CDS	55324	ABCF3	ATP-binding cassette, sub-family F (GCN20), member 3
Hs.362817.1.9	chr17:70725997:70732792	70726264	c	NM_024844	7	CDS	79902	PCNT1	pericentrin 1
Hs.362974.1.2	chr11:64911169:64917619	64911308	c	AK074850	2	CDS	83786	FKSG44	FKSG44 gene
Hs.363137.1.5	chr6:160158630:160159953	160158764	c	NM_005891	3	CDS	39	ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)
Hs.363140.1.3	chr19:46323380:46325645	46323564	c	NM_000774	9	CDS	1572	CYP2F1	cytochrome P450, family 2, subfamily F, polypeptide 1
Hs.363492.1.20	chr2:118299406:118300074	118299789	c	NM_006773	10	CDS	8886	DDX18	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18
Hs.366053.1.4	chr2:234633393:234636499	234633633	c	NM_024080	6	CDS	79054	TRPM8	transient receptor potential cation channel, subfamily M, member 8
Hs.367182.1.4	chr17:41744313:41732809	41742649	c	BC000924	2	3UTR	440444	LOC440444	similar to FALZ protein
Hs.367182.1.6	chr17:41772632:41744418	41772521	c	BC000924	1	CDS	440444	LOC440444	similar to FALZ protein
Hs.368006.1.3	chr19:63241387:63243629	63241567	c	NM_182572	3	CDS	284312	ZSCAN1	zinc finger and SCAN domain containing 1
Hs.368006.1.4	chr19:63241387:63243629	63241620	c	NM_182572	3	CDS	284312	ZSCAN1	zinc finger and SCAN domain containing 1
Hs.368084.1.65	chr2:44112396:44102497	44112395	c	NM_133259	11	CDS	10128	LRPPRC	leucine-rich PPR-motif containing
Hs.368104.1.2	chr8:125140209:125129116	125139924	c	NM_182525	3	3UTR	157376	FLJ32770	hypothetical protein FLJ32770
Hs.368171.1.19	chr2:73159022:73140363	73158870	c	NM_144579	6	CDS	94097	SFXN5	sideroflexin 5

Hs.368254.1.8	chr3_random:48878:50603	49317	c	NM_000187	5	CDS	3081	HGD	homogentisate 1,2-dioxygenase (homogentisate oxidase)
Hs.368255.1.36	chr9:111216947:111215874	111216751	c	BC021127	3	CDS	23392	KIAA0368	KIAA0368
Hs.368264.1.28	chr14:101442620:101445678	101442737	c	NM_002719	10	CDS	5527	PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform
Hs.368264.1.30	chr14:101445781:101448490	101445800	c	NM_002719	11	CDS	5527	PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform
Hs.368266.1.23	chr22:17570985:17570376	17570804	c	NM_001835	21	CDS	8218	CLTCL1	clathrin, heavy polypeptide-like 1
Hs.368281.1.29	chr2:210400485:210415938	210400809	c	NM_002374	12	CDS	4133	MAP2	microtubule-associated protein 2
Hs.368282.1.39	chr13:41337871:41305668	41337727	c	NM_001009814	12	CDS	23078	KIAA0564	KIAA0564 protein
Hs.368322.1.13	chr16:60318498:60305364	60317921	c	NM_001796	9	CDS	1006	CDH8	cadherin 8, type 2
Hs.368353.1.12	chr1:243137381:243149541	243137570	c	NM_152609	9	CDS	163882	C1orf71	chromosome 1 open reading frame 71
Hs.368375.1.9	chr19:39950060:39948387	39949719	c	BC092428	3	CDS	148103	ZNF599	zinc finger protein 599
Hs.368376.1.31	chr11:125643107:125642818	125642908	c	NM_003139	2	CDS	6734	SRPR	signal recognition particle receptor ('docking protein')
Hs.368404.1.24	chr11:44176145:44184918	44176244	c	NM_000401	11	CDS	2132	EXT2	exostososes (multiple) 2
Hs.368431.1.21	chr8:93092405:93086702	93091840	c	NM_004349	4	CDS	862	RUNX1T1	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)
Hs.368433.1.21	chr8:81128071:81126419	81127828	c	NM_005079	3	CDS	7163	TPD52	tumor protein D52
Hs.368434.1.10	chr3:58714535:58703340	58714483	c	NM_198463	15	CDS	200844	FLJ42117	FLJ42117 protein
Hs.368507.1.12	chr22:42437628:42432405	42437452	c	NM_022785	9	CDS	64800	FLJ23588	CAP-binding protein complex interacting protein 1
Hs.368554.1.4	chr11:71371610:71375697	71371864	c	NM_018320	4	CDS	55298	RNF121	ring finger protein 121
Hs.36859.1.14	chr14:101745953:101758919	101746330	c	NM_181291	3	CDS	91833	WDR20	WD repeat domain 20
Hs.368592.1.27	chr11:120946190:120950159	120946469	c	NM_003105	23	CDS	6653	SORL1	sortilin-related receptor, L (DLR class) A repeats-containing likely ortholog of mouse immediate early response, erythropoietin 4
Hs.368598.1.14	chr2:187196075:187196945	187196117	c	NM_018471	8	CDS	55854	LEREPO4	erythropoietin 4
Hs.368639.1.2	chr6:125408290:125420786	125408604	c	NM_152553	4	CDS	154214	IBRDC1	IBR domain containing 1
Hs.368642.1.8	chr15:41285819:41282766	41285482	c	NM_000119	10	CDS	2038	EPB42	erythrocyte membrane protein band 4.2
Hs.368647.1.13	chr14:35847048:35839781	35847000	c	NM_016586	7	CDS	51562	MBIP	MAP3K12 binding inhibitory protein 1
Hs.368783.1.2	chr20:19951125:19954320	19951182	c	NM_016100	2	CDS	51126	NAT5	N-acetyltransferase 5 (ARD1 homolog, S. cerevisiae)
Hs.368851.1.19	chr5:893609:890596	892557	c	NM_024786	5	CDS	79844	ZDHHC11	zinc finger, DHHC-type containing 11
Hs.368853.1.24	chr5:1541505:1536602	1541434	c	NM_024830	5	CDS	79888	FLJ12443	hypothetical protein FLJ12443
Hs.368853.1.3	chr5:1514954:1514513	1514816	c	AK090444	12	3UTR	79888	FLJ12443	hypothetical protein FLJ12443
Hs.368878.1.8	chr17:23711998:23712305	23712257	c	NM_152464	5	CDS	147007	C17orf32	chromosome 17 open reading frame 32
Hs.368921.1.10	chr1:31790007:31789553	31789666	c	NM_001856	67	CDS	1307	COL16A1	collagen, type XVI, alpha 1
Hs.368928.1.10	chr14:50519847:50519434	50519750	c	AK055388	9	CDS	114088	TRIM9	tripartite motif-containing 9
Hs.368935.2.11	chr17:18832284:18823712	18832045	c	AK123558	2	5UTR	NA	NA	NA
Hs.369039.1.5	chr13:48990289:48993030	48990315	c	NM_016119	4	CDS	51131	PHF11	PHD finger protein 11
Hs.369056.1.14	chr2:231140476:231115481	231140618	c	NM_003113	8	CDS	6672	SP100	nuclear antigen Sp100
Hs.369056.1.25	chr2:231160319:231163543	231160577	c	NM_003113	15	CDS	6672	SP100	nuclear antigen Sp100
Hs.369056.1.27	chr2:231160319:231163543	231160744	c	NM_003113	15	CDS	6672	SP100	nuclear antigen Sp100
Hs.369056.1.34	chr2:231198252:231201344	231198364	c	NM_003113	23	CDS	6672	SP100	nuclear antigen Sp100
Hs.369089.1.14	chrX:107675725:107704705	107675930	c	NM_000495	36	CDS	1287	COL4A5	collagen, type IV, alpha 5 (Alport syndrome)
Hs.369089.1.15	chrX:107675725:107704705	107676175	c	NM_000495	36	CDS	1287	COL4A5	collagen, type IV, alpha 5 (Alport syndrome)
Hs.369089.1.16	chrX:107675725:107704705	107676641	c	NM_000495	36	CDS	1287	COL4A5	collagen, type IV, alpha 5 (Alport syndrome)
Hs.369168.1.16	chr14:30192546:30209212	30192793	c	NM_016106	10	CDS	23256	SCFD1	sec1 family domain containing 1
Hs.369232.1.24	chr2:120601658:120605423	120601894	c	NM_020909	17	CDS	57669	EPB41L5	erythrocyte membrane protein band 4.1 like 5
Hs.369263.1.13	chr13:32160707:32166359	32163405	c	NM_015032	13	CDS	23047	APRIN	androgen-induced proliferation inhibitor
Hs.369263.1.3	chr13:32121018:32123940	32122754	c	NM_015032	2	CDS	23047	APRIN	androgen-induced proliferation inhibitor
Hs.369279.1.17	chr19:60189496:60193201	60189572	c	NM_017852	8	CDS	55655	NALP2	NACHT, leucine rich repeat and PYD containing 2

Hs.369284.1.17	chr20:13657024:13647632	13657022	c	NM_016649	11	CDS	51575	C20orf6	chromosome 20 open reading frame 6
Hs.369285.1.15	chr1:208514347:208508443	208514308	c	BC020523	17	CDS	25896	C1orf73	chromosome 1 open reading frame 73
Hs.369285.1.16	chr1:208528166:208514439	208527859	c	NM_015434	16	CDS	25896	C1orf73	chromosome 1 open reading frame 73
Hs.369356.1.35	chr7:104325713:104335822	104326006	c	NM_018682	14	CDS	55904	MLL5	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)
Hs.369356.1.43	chr7:104336593:104339836	104336884	c	NM_018682	16	CDS	55904	MLL5	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)
Hs.369356.1.44	chr7:104336593:104339836	104337047	c	NM_018682	16	CDS	55904	MLL5	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)
Hs.369368.1.15	chr11:32953466:32954455	32953752	c	NM_024774	13	3UTR	79832	FLJ21924	hypothetical protein FLJ21924
Hs.369368.1.22	chr11:32954576:32962280	32955125	c	NM_024774	14	3UTR	79832	FLJ21924	hypothetical protein FLJ21924
Hs.369397.1.16	chr5:135411009:135413026	135411361	c	NM_000358	6	CDS	7045	TGFBI	transforming growth factor, beta-induced, 68kDa
Hs.369430.1.27	chr5:102324833:102353874	102325035	c	NM_138821	13	CDS	5066	PAM	peptidylglycine alpha-amidating monooxygenase
Hs.369448.1.12	chr4:79616151:79641845	79616370	c	NM_025074	19	CDS	80144	FRAS1	Fraser syndrome 1
Hs.369448.1.17	chr4:79724046:79725059	79724966	c	NM_025074	41	CDS	80144	FRAS1	Fraser syndrome 1
Hs.369448.1.21	chr4:79767414:79775137	79767491	c	NM_025074	58	CDS	80144	FRAS1	Fraser syndrome 1
Hs.369520.1.32	chr11:85106173:85103199	85105925	c	NM_032943	10	CDS	54843	SYTL2	synaptotagmin-like 2
Hs.369520.1.34	chr11:85112722:85109651	85112502	c	NM_206927	1	CDS	54843	SYTL2	synaptotagmin-like 2
Hs.369581.1.10	chr5:50127009:50128572	50127235	c	NM_024615	12	CDS	79668	PARP8	poly (ADP-ribose) polymerase family, member 8
Hs.369592.1.24	chr2:43482911:43459331	43481798	c	NM_022065	30	CDS	63892	THADA	thyroid adenoma associated
Hs.369592.1.35	chr2:43687999:43680107	43687864	c	NM_022065	20	CDS	63892	THADA	thyroid adenoma associated
Hs.369592.1.39	chr2:43695134:43691130	43694883	c	NM_022065	17	CDS	63892	THADA	thyroid adenoma associated
Hs.369646.1.8	chr3:196967343:196965520	196966311	c	NM_004532	22	CDS	4585	MUC4	mucin 4, tracheobronchial
Hs.369675.1.13	chr8:108366085:108345756	108365409	c	NM_001146	7	CDS	284	ANGPT1	angiopoietin 1
Hs.369849.1.13	chr12:67504699:67508817	67504805	c	NM_002392	7	CDS	4193	MDM2	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse)
Hs.369920.1.8	chr12:67336497:67337147	67336684	c	NM_001010942	6	CDS	5908	RAP1B	RAP1B, member of RAS oncogene family
Hs.369924.1.8	chr10:115626726:115629322	115626879	c	NM_198514	3	CDS	374354	NHLRC2	NHL repeat containing 2
Hs.369998.1.23	chr17:40181360:40183488	40183133	c	NM_145663	13	CDS	80174	DRF1	Dbf4-related factor 1
Hs.370017.1.13	chr2:99396935:99394781	99396531	c	NM_005783	4	CDS	10190	TXNDC9	thioredoxin domain containing 9
Hs.370017.1.16	chr2:99396935:99394781	99396716	c	NM_005783	4	CDS	10190	TXNDC9	thioredoxin domain containing 9
Hs.370024.1.43	chr4:84141649:84140905	84141543	c	NM_014933	12	CDS	22872	SEC31L1	SEC31-like 1 (S. cerevisiae)
Hs.370140.1.17	chr17:62533746:62513660	62533613	c	NM_014877	31	CDS	9931	HELZ	helicase with zinc finger
Hs.370145.1.11	chr11:74239780:74237156	74239563	c	BC064584	11	CDS	143570	XRRA1	X-ray radiation resistance associated 1
Hs.370255.1.24	chr17:71244371:71244997	71244552	c	NM_000213	16	CDS	3691	ITGB4	integrin, beta 4
Hs.370267.1.8	chr8:9605141:9615293	9605329	c	NM_003747	11	CDS	8658	TNKS	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase
Hs.370287.1.14	chr2:207286393:207300139	207286668	c	NM_003812	24	CDS	8745	ADAM23	a disintegrin and metalloproteinase domain 23
Hs.370292.1.18	chr10:127519890:127531683	127520176	c	NM_016567	7	CDS	56647	BCCIP	BRCA2 and CDKN1A interacting protein
Hs.370292.1.22	chr10:127519890:127531683	127521358	c	NM_016567	7	CDS	56647	BCCIP	BRCA2 and CDKN1A interacting protein
Hs.370379.1.8	chr9:106816110:106826021	106816805	c	NM_021224	9	CDS	58499	ZNF462	zinc finger protein 462
Hs.370392.1.59	chr15:57311192:57307082	57310928	c	NM_004998	6	CDS	4643	MYO1E	myosin IE
Hs.370392.1.66	chr15:57351796:57341001	57351602	c	NM_004998	2	CDS	4643	MYO1E	myosin IE
Hs.37048.1.12	chr4:71047460:71048665	71047516	c	NM_001009181	4	3UTR	6779	STATH	statherin
Hs.370515.1.12	chr11:5643461:5643202	5643226	c	NM_033034	7	CDS	85363	TRIM5	tripartite motif-containing 5
Hs.370522.1.1	chr6:26531967:26534448	26532006	c	AK056871	3	3UTR	54718	BTN2A3	butyrophilin, subfamily 2, member A3
Hs.370555.1.2	chr9:136970783:136972952	136971038	c	NM_032874	2	CDS	84960	KIAA1984	KIAA1984
Hs.370605.1.25	chr1:229577493:229555448	229577265	c	NM_014801	16	3UTR	80003	PCNXL2	pecanex-like 2 (Drosophila)
Hs.370661.1.6	chr4:120779927:120777497	120779581	c	NM_001083	20	CDS	8654	PDE5A	phosphodiesterase 5A, cGMP-specific
Hs.370661.1.7	chr4:120779927:120777497	120779801	c	NM_001083	20	CDS	8654	PDE5A	phosphodiesterase 5A, cGMP-specific
Hs.370725.1.30	chr18:20030086:20015242	20025626	c	NM_018030	4	CDS	114876	OSBPL1A	oxysterol binding protein-like 1A

Hs.370781.1.26	chr16:15030325:15031308	15031163	c	NM_015027	15	CDS	23042	KIAA0251	KIAA0251 protein
Hs.370854.1.14	chr9:132815511:132812312	132814748	c	NM_000368	12	CDS	7248	TSC1	tuberous sclerosis 1
Hs.370885.1.7	chr22:35804834:35795821	35804480	c	NM_153609	10	CDS	164656	TMPRSS6	transmembrane protease, serine 6
Hs.370937.1.10	chr6:33379709:33377527	33379392	c	NM_003190	7	CDS	6892	TAPBP	TAP binding protein (tapasin)
Hs.371372.1.16	chr5:64135970:64217025	64136490	c	NM_005869	10	CDS	10283	SDCCAG10	serologically defined colon cancer antigen 10
Hs.371594.1.26	chr1:46758221:46754347	46758135	c	NM_003684	4	CDS	8569	MKNK1	MAP kinase interacting serine/threonine kinase 1
Hs.371597.1.13	chr2:43933434:43934679	43933914	c	NM_001012665	6	CDS	51626	D2LIC	dynein 2 light intermediate chain
Hs.371597.1.14	chr2:43933434:43934679	43933962	c	NM_001012665	6	CDS	51626	D2LIC	dynein 2 light intermediate chain
Hs.371597.1.29	chr2:43944037:43948494	43944343	c	NM_016008	12	CDS	51626	D2LIC	dynein 2 light intermediate chain
Hs.371681.1.32	chr3:69443103:69434277	69442491	c	AB023230	3	CDS	23150	FRMD4B	FERM domain containing 4B
Hs.371718.1.78	chr16:27416458:27414315	27416449	c	NM_001520	15	CDS	2975	GTF3C1	general transcription factor IIIC, polypeptide 1, alpha 220kDa
Hs.371718.1.88	chr16:27425668:27424939	27425413	c	NM_001520	10	CDS	2975	GTF3C1	general transcription factor IIIC, polypeptide 1, alpha 220kDa
Hs.371720.1.34	chr9:90720791:90729585	90720985	c	NM_003177	11	CDS	6850	SYK	spleen tyrosine kinase
Hs.371979.1.43	chr20:39535375:39519483	39535077	c	NM_032221	17	CDS	84181	CHD6	chromodomain helicase DNA binding protein 6
Hs.371979.1.59	chr20:39560221:39559556	39560156	c	NM_032221	7	CDS	84181	CHD6	chromodomain helicase DNA binding protein 6
Hs.372003.1.23	chr9:93371418:93373991	93373243	c	NM_014612	9	CDS	23196	C9orf10	chromosome 9 open reading frame 10
Hs.372003.1.28	chr9:93374167:93385058	93374421	c	NM_014612	10	CDS	23196	C9orf10	chromosome 9 open reading frame 10
Hs.372099.1.24	chr11:47770913:47770119	47770837	c	NM_015231	28	CDS	23279	NUP160	nucleoporin 160kDa
Hs.372099.1.61	chr11:47817970:47815752	47817632	c	NM_015231	4	CDS	23279	NUP160	nucleoporin 160kDa
Hs.372286.1.19	chr2:225193186:225190710	225192895	c	NM_003590	10	CDS	8452	CUL3	cullin 3
Hs.372295.1.47	chr11:67023769:67023049	67023686	c	NM_004910	7	CDS	9600	PITPNM1	phosphatidylinositol transfer protein, membrane-associated 1
Hs.372309.1.20	chr10:120084897:120084716	120084760	c	NM_022063	5	CDS	63877	C10orf84	chromosome 10 open reading frame 84
Hs.372492.1.5	chr8:142291484:142290979	142291209	c	AK128212	7	CDS	57210	KIAA1126	KIAA1126 protein
Hs.372658.1.3	chr1:109112932:109113048	109112904	c	AY312144	2	3UTR	NA	NA	NA
Hs.372938.1.17	chr11:64184379:64177771	64184048	c	NM_015080	12	CDS	9379	NRXN2	neurexin 2
Hs.372939.1.4	chr22:31173923:31167882	31173875	c	NM_174932	2	CDS	254240	BPIL2	bactericidal/permeability-increasing protein-like 2
Hs.373606.1.15	chr9:127908423:127905734	127908019	c	NM_197956	1	CDS	203245	C9orf90	chromosome 9 open reading frame 90
Hs.373778.1.3	chr8:31008976:30973756	31007899	c	NM_001015508	1	CDS	29942	PURG	purine-rich element binding protein G
Hs.373947.1.16	chr3:47291818:47290153	47291722	c	NM_022342	3	CDS	64147	KIF9	kinesin family member 9
Hs.374201.1.25	chr12:38010310:38006394	38010121	c	NM_017641	23	CDS	55605	KIF21A	kinesin family member 21A
Hs.374262.1.15	chr9:131844321:131798934	131842867	c	NM_004269	4	CDS	9442	CRSP8	cofactor required for Sp1 transcriptional activation, subunit 8, 34kDa
Hs.374774.1.19	chr18:19483044:19480250	19482373	c	NM_173505	2	CDS	147463	ANKRD29	ankyrin repeat domain 29
Hs.37482.1.6	chr17:43464520:43461542	43464013	c	NM_016429	6	CDS	51226	COPZ2	coatamer protein complex, subunit zeta 2
Hs.375001.1.100	chr9:35710808:35710507	35710621	c	NM_006289	11	CDS	7094	TLN1	talin 1
Hs.375001.1.105	chr9:35712115:35711801	35712115	c	NM_006289	9	CDS	7094	TLN1	talin 1
Hs.375001.1.107	chr9:35713948:35712919	35713104	c	NM_006289	7	CDS	7094	TLN1	talin 1
Hs.375186.1.5	chr20:31051540:31049155	31051324	c	NM_080675	5	CDS	140732	SPAG4L	sperm associated antigen 4-like
Hs.375837.1.4	chr10:134601045:134600550	134600609	c	NM_173572	6	CDS	255352	C10orf93	chromosome 10 open reading frame 93
Hs.376064.1.31	chr20:2585542:2585726	2585662	c	NM_006392	10	CDS	10528	NOL5A	nucleolar protein 5A (56kDa with KKE/D repeat)
Hs.377257.1.1	chr2:178803081:178806495	178804154	c	NM_152945	1	CDS	129831	DRB1	developmentally regulated RNA-binding protein 1
Hs.379912.1.9	chr6:170511638:170510750	170511555	c	NM_005618	8	CDS	28514	DLL1	delta-like 1 (Drosophila)
Hs.380250.1.22	chr1:155832463:155834541	155832657	c	NM_005531	8	CDS	3428	IFI16	interferon, gamma-inducible protein 16
Hs.380271.1.15	chr3:9773501:9782492	9773660	c	NM_016821	6	CDS	4968	OGG1	8-oxoguanine DNA glycosylase
Hs.380325.1.22	chr11:49170920:49164898	49170885	c	NM_004476	4	CDS	2346	FOLH1	folate hydrolase (prostate-specific membrane antigen) 1
Hs.380710.1.12	chr17:31130004:31124522	31129622	c	NM_024302	3	CDS	79148	MMP28	matrix metalloproteinase 28

Hs.380740.1.3	chr8:37911748:37911163	37911665	c	NM_152413	8	CDS	137362	MGC33309	hypothetical protein MGC33309
Hs.380923.1.23	chr19:52611720:52610171	52610965	c	NM_001009813	4	CDS	56917	MEIS3	Meis1, myeloid ecotropic viral integration site 1 homolog 3 (mouse)
Hs.380953.1.6	chr17:69711925:69716920	69712327	c	NM_000999	3	CDS	6169	RPL38	ribosomal protein L38
Hs.381219.1.5	chr3:23935742:23938092	23936144	c	BC081565	4	CDS	6138	RPL15	ribosomal protein L15
Hs.381225.1.10	chr19:11119493:11118966	11119277	c	NM_182513	4	CDS	147841	SPBC24	spindle pole body component 24 homolog (S. cerevisiae)
Hs.381225.1.12	chr19:11119493:11118966	11119409	c	NM_182513	4	CDS	147841	SPBC24	spindle pole body component 24 homolog (S. cerevisiae)
Hs.381870.1.6	chr11:65391907:65391127	65391709	c	NM_016938	10	CDS	30008	EFEMP2	EGF-containing fibulin-like extracellular matrix protein 2
Hs.382168.1.1	chr20:45564171:45645333	45566609	c	NM_006534	1	5UTR	8202	NCOA3	nuclear receptor coactivator 3
Hs.382176.1.16	chr13:40724780:40712570	40724418	c	NM_004294	5	CDS	9617	MTRF1	mitochondrial translational release factor 1
Hs.383396.1.29	chr11:4104640:4104840	4104753	c	NM_001033	13	CDS	6240	RPM1	ribonucleotide reductase M1 polypeptide
Hs.385861.1.18	chr7:22956885:22964925	22957359	c	NM_018846	7	CDS	55975	KLHL7	kelch-like 7 (Drosophila)
Hs.385861.1.8	chr7:22938032:22953627	22938061	c	NM_018846	5	CDS	55975	KLHL7	kelch-like 7 (Drosophila)
Hs.386225.1.17	chr19:54165614:54164925	54165352	c	NM_002103	14	CDS	2997	GYS1	glycogen synthase 1 (muscle)
Hs.386324.1.15	chr7:98740989:98736906	98740369	c	NM_032164	2	CDS	84124	ZNF394	zinc finger protein 394
Hs.386324.1.17	chr7:98740989:98736906	98740758	c	NM_032164	2	CDS	84124	ZNF394	zinc finger protein 394
Hs.386390.1.4	chr3:9800711:9797234	9799812	c	NM_006354	8	CDS	10474	TADA3L	transcriptional adaptor 3 (NGG1 homolog, yeast)-like
Hs.386434.1.7	chr10:74808674:74805982	74808263	c	NM_001156	12	CDS	310	ANXA7	annexin A7
Hs.386684.1.14	chr6:135681349:135665649	135681265	c	AK024085	13	CDS	54806	AHI1	Abelson helper integration site
Hs.386684.1.18	chr6:135757606:135750865	135757488	c	AJ459825	22	CDS	54806	AHI1	Abelson helper integration site
Hs.386684.1.46	chr6:135853453:135830466	135853291	c	NM_017651	4	CDS	54806	AHI1	Abelson helper integration site
Hs.386866.1.1	chr3:61709697:61950338	61711752	c	NM_002841	2	CDS	5793	PTPRG	protein tyrosine phosphatase, receptor type, G
Hs.386866.1.12	chr3:62164665:62179564	62164969	c	NM_002841	12	CDS	5793	PTPRG	protein tyrosine phosphatase, receptor type, G
Hs.387207.1.9	chr5:156117294:156118805	156117644	c	NM_000337	8	CDS	6444	SGCD	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)
Hs.387255.1.34	chr16:4811381:4807700	4811206	c	NM_032569	9	CDS	84656	N-PAC	cytokine-like nuclear factor n-pac
Hs.387336.1.7	chr12:98935841:98934002	98935655	c	NM_015054	20	CDS	23074	KIAA0701	KIAA0701 protein
Hs.387381.1.18	chr12:47710329:47709527	47709894	c	NM_003482	42	CDS	8085	MLL2	myeloid/lymphoid or mixed-lineage leukemia 2
Hs.387755.1.2	chr6:5053784:5049184	5053660	c	AF258559	1	CDS	57128	C6orf149	chromosome 6 open reading frame 149
Hs.387804.1.7	chr8:101785700:101784764	101785518	c	NM_002568	14	3UTR	26986	PABPC1	poly(A) binding protein, cytoplasmic 1
Hs.387804.1.8	chr8:101785700:101784764	101785631	c	NM_002568	14	3UTR	26986	PABPC1	poly(A) binding protein, cytoplasmic 1
Hs.388170.1.32	chr17:2183600:2183169	2183434	c	NM_018128	6	CDS	55720	FLJ10534	hypothetical protein FLJ10534
Hs.388245.1.3	chr4:174822893:174821259	174822488	c	NM_021973	2	3UTR	9464	HAND2	heart and neural crest derivatives expressed 2
Hs.388297.1.11	chr8:126263681:126438642	126263996	c	NM_173685	5	CDS	286053	C8orf36	chromosome 8 open reading frame 36
Hs.388297.1.9	chr8:126263681:126438642	126263789	c	NM_173685	5	CDS	286053	C8orf36	chromosome 8 open reading frame 36
Hs.3887.1.33	chr2:231829070:231836458	231829289	c	NM_002807	17	CDS	5707	PSMD1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1
Hs.389037.1.32	chr21:46495870:46491229	46495857	c	NM_003906	20	CDS	8888	MCM3AP	MCM3 minichromosome maintenance deficient 3 (S. cerevisiae) associated protein
Hs.389181.1.10	chr15:41719813:41719289	41719490	c	NM_054020	5	CDS	117155	CATSPER2	cation channel, sperm associated 2
Hs.389181.1.11	chr15:41719813:41719289	41719716	c	NM_054020	5	CDS	117155	CATSPER2	cation channel, sperm associated 2
Hs.389181.1.18	chr15:41727406:41726958	41727259	c	NM_054020	2	CDS	117155	CATSPER2	cation channel, sperm associated 2
Hs.389374.1.3	chr1:157831851:157831219	157831653	c	NM_181720	12	CDS	257106	ARHGAP30	Rho GTPase activating protein 30
Hs.389438.1.34	chr16:1547936:1516799	1547830	c	NM_014714	17	CDS	9742	WDTC2	WD and tetra-tryptophan repeats 2
Hs.390171.1.16	chr6:33262381:33261534	33262203	c	NM_080680	5	CDS	1302	COL11A2	collagen, type XI, alpha 2
Hs.390395.1.15	chr8:82777758:82777656	82777705	c	NM_024699	7	CDS	79752	ZFAND1	zinc finger, AN1-type domain 1
Hs.395482.1.61	chr8:141958751:141943681	141958447	c	NM_005607	4	CDS	5747	PTK2	PTK2 protein tyrosine kinase 2
Hs.396358.1.8	chr7:12043305:12043927	12043373	c	NM_018374	7	CDS	54664	FLJ11273	hypothetical protein FLJ11273
Hs.396530.1.22	chr7:81026086:81019088	81024867	c	NM_000601	5	CDS	3082	HGF	hepatocyte growth factor (hepapoietin A; scatter factor)

Hs.397073.1.8	chr7:73761744:73766333	73761771	c	NM_174930	5	CDS	5383	PMS2L5	postmeiotic segregation increased 2-like 5
Hs.397465.1.7	chr7:138725817:138717290	138725524	c	NM_022740	11	CDS	28996	HIPK2	homeodomain interacting protein kinase 2
Hs.397978.1.21	chr18:17498076:17493303	17497924	c	NM_138340	5	CDS	171586	ABHD3	abhydrolase domain containing 3
Hs.397978.1.22	chr18:17498076:17493303	17497952	c	NM_138340	5	CDS	171586	ABHD3	abhydrolase domain containing 3
Hs.398091.1.1	chr19:44530870:44534296	44531226	c	NM_018028	2	5UTR	55095	FLJ10211	hypothetical protein FLJ10211
Hs.4.1.28	chr4:100592155:100589992	100591840	c	NM_000668	6	CDS	125	ADH1B	alcohol dehydrogenase IB (class I), beta polypeptide
Hs.400295.1.6	chr8:99126346:99124180	99125800	c	NM_000989	3	CDS	6156	RPL30	ribosomal protein L30
Hs.400740.1.12	chr9:128979526:128984277	128979944	c	NM_021131	9	CDS	5524	PPP2R4	protein phosphatase 2A, regulatory subunit B' (PR 53)
Hs.400802.1.10	chr14:64059874:64068331	64060427	c	NM_014950	2	CDS	22890	ZBTB1	zinc finger and BTB domain containing 1
Hs.400802.1.9	chr14:64059874:64068331	64060369	c	NM_014950	2	CDS	22890	ZBTB1	zinc finger and BTB domain containing 1
Hs.401013.1.7	chr6:346778:350017	347623	c	NM_002460	7	CDS	3662	IRF4	interferon regulatory factor 4
Hs.402752.1.2	chr17:31160694:31168832	31162648	c	NM_003487	1	CDS	8148	TAF15	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa
Hs.402752.1.3	chr17:31160694:31168832	31162701	c	NM_003487	1	CDS	8148	TAF15	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa
Hs.403171.1.30	chr6:52452545:52462896	52452896	c	NM_018100	9	CDS	114327	EFHC1	EF-hand domain (C-terminal) containing 1
Hs.403201.1.3	chr2:39329096:39326502	39329026	c	NM_001009565	5	CDS	344387	CDKL4	cyclin-dependent kinase-like 4
Hs.403594.1.6	chr8:16983621:16987115	16983847	c	NM_181723	5	CDS	286097	EFHA2	EF-hand domain family, member A2
Hs.404102.1.13	chr7:20541319:20551845	20542105	c	NM_178559	14	CDS	340273	ABCB5	ATP-binding cassette, sub-family B (MDR/TAP), member 5
Hs.404423.1.10	chr15:57138042:57146254	57138175	c	NM_017610	5	CDS	54778	RNF111	ring finger protein 111
Hs.404423.1.6	chr15:57111194:57131795	57111229	c	NM_017610	2	CDS	54778	RNF111	ring finger protein 111
Hs.4045.1.3	chr18:32719634:32793268	32720365	c	NM_020776	5	CDS	57536	KIAA1328	KIAA1328
Hs.404568.1.33	chr10:100179319:100177012	100178898	c	NM_000195	10	CDS	3257	HPS1	Hermansky-Pudlak syndrome 1
Hs.404568.1.34	chr10:100179319:100177012	100178968	c	NM_000195	10	CDS	3257	HPS1	Hermansky-Pudlak syndrome 1
Hs.404568.1.35	chr10:100179319:100177012	100179009	c	NM_000195	10	CDS	3257	HPS1	Hermansky-Pudlak syndrome 1
Hs.404914.1.14	chr2:9618512:9616972	9618228	c	NM_003183	5	CDS	6868	ADAM17	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)
Hs.405153.1.18	chr7:30269576:30268168	30269053	c	NM_006092	5	CDS	10392	CARD4	caspase recruitment domain family, member 4
Hs.405467.1.13	chr4:178647853:178649610	178648163	c	NM_018248	7	CDS	55247	NEIL3	nei endonuclease VIII-like 3 (E. coli)
Hs.405537.1.20	chr2:179133500:179131939	179133455	c	NM_003690	5	CDS	8575	PRKRA	protein kinase, interferon-inducible double stranded RNA dependent activator
Hs.405659.1.15	chr12:129380749:129380906	129380803	c	NM_004764	20	CDS	9271	PIWIL1	piwi-like 1 (Drosophila)
Hs.405755.1.4	chr19:54134771:54137508	54135089	c	NM_014475	4	CDS	27294	DHDH	dihydrodiol dehydrogenase (dimeric)
Hs.405809.1.7	chr15:82662625:82660633	82662511	c	NM_203426	6	3UTR	388152	LOC388152	hypothetical protein FLJ90297
Hs.406335.1.8	chr5:14743418:14745962	14743474	c	NM_138348	4	CDS	90268	LOC90268	hypothetical protein BC007706
Hs.406557.1.30	chr5:177982862:177978386	177981420	c	NM_020666	2	CDS	57396	CLK4	CDC-like kinase 4
Hs.406678.1.22	chr4:186064618:186063060	186064334	c	NM_001995	12	CDS	2180	ACSL1	acyl-CoA synthetase long-chain family member 1
Hs.406708.1.6	chr19:59539923:59537049	59539855	c	NM_012276	6	CDS	23547	LILRA4	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4
Hs.406787.1.12	chr11:33725251:33720207	33722809	c	NM_012175	10	CDS	26273	FBXO3	F-box protein 3
Hs.406787.1.14	chr11:33725251:33720207	33724882	c	NM_012175	10	CDS	26273	FBXO3	F-box protein 3
Hs.406890.1.24	chr9:98625789:98624411	98625406	c	NM_173551	4	CDS	203286	SAMD6	sterile alpha motif domain containing 6
Hs.406890.1.28	chr9:98631940:98626714	98631441	c	NM_173551	2	CDS	203286	SAMD6	sterile alpha motif domain containing 6
Hs.407368.1.23	chr19:39404484:39410109	39404524	c	NM_015578	9	CDS	26065	FAM61A	family with sequence similarity 61, member A
Hs.407580.1.22	chr2:159316310:159322646	159317024	c	NM_001005476	9	CDS	8502	PKP4	plakophilin 4
Hs.407580.1.52	chr2:159358887:159360599	159359149	c	NM_003628	20	CDS	8502	PKP4	plakophilin 4
Hs.407926.1.20	chr5:39017725:39014510	39016739	c	NM_152756	8	CDS	253260	AVO3	TORC2-specific protein AVO3
Hs.407955.1.1	chr17:70520563:70524767	70520917	c	NM_001545	1	CDS	3396	ICT1	immature colon carcinoma transcript 1
Hs.407955.1.2	chr17:70520563:70524767	70520987	c	NM_001545	1	CDS	3396	ICT1	immature colon carcinoma transcript 1

Hs.408241.1.12	chr7:23000006:23008697	23000251	c	NM_007342	3	CDS	11097	NUPL2	nucleoporin like 2
Hs.408241.1.20	chr7:23010090:23012316	23010143	c	BC005327	6	CDS	11097	NUPL2	nucleoporin like 2
Hs.408451.1.29	chr19:8518919:8516621	8518738	c	NM_012335	12	CDS	4542	MYO1F	myosin IF
Hs.408451.1.39	chr19:8524022:8523049	8523518	c	NM_012335	6	CDS	4542	MYO1F	myosin IF
Hs.408458.1.18	chr16:68500255:68509112	68501812	c	NM_007014	9	CDS	11060	WWP2	WW domain containing E3 ubiquitin protein ligase 2
Hs.408461.1.27	chr11:118161970:118157104	118161926	c	NM_004397	2	CDS	1656	DDX6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
Hs.408843.1.14	chr17:53640253:53639579	53639921	c	NM_017777	11	CDS	54903	FLJ20345	hypothetical protein FLJ20345
Hs.408903.1.10	chr6:32010056:32011678	32010814	c	NM_000063	6	CDS	717	C2	complement component 2
Hs.409137.1.9	chr14:74541357:74542321	74541397	c	NM_014239	4	CDS	8892	EIF2B2	eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa
Hs.409140.1.13	chr21:34209901:34208675	34209461	c	NM_001697	1	CDS	539	ATP5O	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)
Hs.409523.1.3	chr12:6754976:6756690	6755160	c	NM_002286	5	CDS	3902	LAG3	lymphocyte-activation gene 3
Hs.409662.1.11	chr8:121348304:121351454	121348412	c	NM_021110	25	CDS	7373	COL14A1	collagen, type XIV, alpha 1 (undulin)
Hs.409876.1.8	chr6:109908970:109904827	109908845	c	NM_014797	2	CDS	9841	ZBTB24	zinc finger and BTB domain containing 24
Hs.409960.1.12	chr3:143371864:143367311	143371772	c	NM_152776	16	3UTR	256356	MGC40579	hypothetical protein MGC40579
Hs.409960.1.2	chr3:143367177:143365363	143365452	c	NM_152776	17	3UTR	256356	MGC40579	hypothetical protein MGC40579
Hs.409960.1.6	chr3:143367177:143365363	143366228	c	NM_152776	17	3UTR	256356	MGC40579	hypothetical protein MGC40579
Hs.410104.1.18	chr12:50599167:50600809	50599393	c	NM_000020	9	CDS	94	ACVRL1	activin A receptor type II-like 1
Hs.410231.1.14	chr14:75709722:75712718	75710148	c	NM_017926	5	CDS	55668	C14orf118	chromosome 14 open reading frame 118
Hs.410231.1.20	chr14:75732069:75737786	75732525	c	NM_017926	9	CDS	55668	C14orf118	chromosome 14 open reading frame 118
Hs.410378.1.16	chr2:179168512:179167448	179168313	c	NM_016105	1	CDS	51661	FKBP7	FK506 binding protein 7
Hs.410388.1.10	chr15:61208903:61220531	61209079	c	NM_032857	5	CDS	114294	LACTB	lactamase, beta
Hs.410477.1.12	chr2:160628818:160627101	160628736	c	NM_007366	27	CDS	22925	PLA2R1	phospholipase A2 receptor 1, 180kDa
Hs.410477.1.23	chr2:160658085:160652231	160658058	c	NM_001007267	17	CDS	22925	PLA2R1	phospholipase A2 receptor 1, 180kDa
Hs.410477.1.9	chr2:160628818:160627101	160627833	c	NM_007366	27	CDS	22925	PLA2R1	phospholipase A2 receptor 1, 180kDa
Hs.410596.1.21	chr17:59020332:59025296	59020713	c	NM_001003725	7	3UTR	10238	WDR68	WD repeat domain 68
Hs.410596.1.22	chr17:59020332:59025296	59020782	c	NM_001003725	7	3UTR	10238	WDR68	WD repeat domain 68
Hs.410810.1.18	chr5:170602430:170625289	170602673	c	NM_022897	23	CDS	64901	RANBP17	RAN binding protein 17
Hs.410889.1.12	chr17:58830008:58836214	58830379	c	AJ278120	3	CDS	26115	DKFZP564D166	putative ankyrin-repeat containing protein
Hs.411300.1.16	chr13:40548374:40552781	40548374	c	NM_007187	8	CDS	11193	WBP4	WW domain binding protein 4 (formin binding protein 21)
Hs.411300.1.2	chr13:40534853:40537151	40535209	c	NM_007187	2	CDS	11193	WBP4	WW domain binding protein 4 (formin binding protein 21)
Hs.411312.1.8	chr17:39808484:39808006	39808241	c	NM_000419	26	CDS	3674	ITGA2B	integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41B)
Hs.412102.1.14	chr15:38053243:38055906	38054917	c	NM_001013703	11	CDS	440275	EIF2AK4	eukaryotic translation initiation factor 2 alpha kinase 4
Hs.412117.1.7	chr5:150463323:150461262	150463111	c	NM_001155	25	CDS	309	ANXA6	annexin A6
Hs.412136.1.2	chr10:17490250:17491325	17490286	c	AK127982	3	CDS	NA	NA	NA
Hs.412186.1.16	chr3:53880298:53879213	53880225	c	NM_022899	11	CDS	93973	ACTR8	ARP8 actin-related protein 8 homolog (yeast)
Hs.412355.1.3	chr19:18850738:18842429	18849725	c	NM_001492	6	5UTR	10715	LASS1	LAG1 longevity assurance homolog 1 (S. cerevisiae)
Hs.412462.1.12	chr2:136214035:136223019	136214041	c	NM_015361	7	CDS	23518	R3HDM	R3H domain (binds single-stranded nucleic acids) containing
Hs.412462.1.7	chr2:136196319:136212795	136196526	c	D21852	3	CDS	23518	R3HDM	R3H domain (binds single-stranded nucleic acids) containing
Hs.412484.1.17	chr12:10215867:10213042	10215074	c	NM_002543	1	CDS	4973	OLR1	oxidised low density lipoprotein (lectin-like) receptor 1
Hs.412586.1.40	chr3:137653572:137644945	137653469	c	NM_005862	14	CDS	10274	STAG1	stromal antigen 1
Hs.412587.1.6	chr17:54127550:54135555	54127589	c	NM_058217	2	CDS	5889	RAD51C	RAD51 homolog C (S. cerevisiae)
Hs.412587.1.7	chr17:54127550:54135555	54127693	c	NM_058217	2	CDS	5889	RAD51C	RAD51 homolog C (S. cerevisiae)

Hs.413045.1.17	chr1:176737882:176741929	176737897	c	NM_014810	17	CDS	9857	CAP350	centrosome-associated protein 350
Hs.413493.1.9	chr6:30405527:30406536	30405841	c	NM_021253	3	CDS	56658	TRIM39	tripartite motif-containing 39
Hs.413513.1.1	chr8:42248881:42265308	42249104	c	NM_001556	2	CDS	3551	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
Hs.413513.1.31	chr8:42305890:42307588	42305967	c	NM_001556	21	CDS	3551	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
Hs.413525.1.4	chr16:79714756:79712820	79714124	c	NM_052892	37	CDS	114780	PKD1L2	polycystic kidney disease 1-like 2
Hs.414332.1.11	chr12:111887834:111895820	111889330	c	NM_002535	2	CDS	4939	OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa
Hs.414332.1.26	chr12:111909766:111910898	111910630	c	NM_016817	11	CDS	4939	OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa
Hs.414614.1.12	chr16:23290706:23294559	23291005	c	NM_000336	7	CDS	6338	SCNN1B	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)
Hs.414614.1.8	chr16:23271897:23274120	23272066	c	NM_000336	3	CDS	6338	SCNN1B	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)
Hs.414952.1.27	chr2:63623388:63578657	63623138	c	NM_015910	6	CDS	51057	LOC51057	hypothetical protein LOC51057
Hs.415342.1.9	chr16:88479876:88481560	88480039	c	NM_014972	4	CDS	22980	KIAA1049	KIAA1049 protein
Hs.415414.1.16	chrX:55055634:55053330	55055354	c	NM_138362	3	CDS	90736	CXorf44	chromosome X open reading frame 44
Hs.415950.1.8	chr1:154307141:154304156	154306838	c	NM_031281	10	CDS	83416	FCRL5	Fc receptor-like 5
Hs.417022.1.14	chr6:52988839:52986740	52988305	c	NM_014920	8	CDS	22858	ICK	intestinal cell (MAK-like) kinase
Hs.417029.1.9	chr17:7098847:7100899	7098949	c	NM_015362	5	CDS	23587	DERP6	S-phase 2 protein
Hs.417549.1.1	chr20:48560535:48611306	48561176	c	NM_002827	1	CDS	5770	PTPN1	protein tyrosine phosphatase, non-receptor type 1
Hs.417549.1.14	chr20:48628574:48629111	48628731	c	NM_002827	6	CDS	5770	PTPN1	protein tyrosine phosphatase, non-receptor type 1
Hs.418291.1.1	chr21:33560690:33562568	33561015	c	NM_000628	1	CDS	3588	IL10RB	interleukin 10 receptor, beta
Hs.418581.1.6	chr2:191187952:191190246	191188227	c	NM_017694	5	CDS	54842	FLJ20160	FLJ20160 protein
Hs.420036.1.4	chr2:171511651:171512966	171511889	c	NM_000817	4	CDS	2571	GAD1	glutamate decarboxylase 1 (brain, 67kDa)
Hs.420076.1.22	chr8:56837747:56831525	56835886	c	NM_152417	3	CDS	137695	TMEM68	transmembrane protein 68
Hs.420076.1.23	chr8:56837747:56831525	56837317	c	NM_152417	3	CDS	137695	TMEM68	transmembrane protein 68
Hs.420076.1.25	chr8:56837747:56831525	56837441	c	NM_152417	3	CDS	137695	TMEM68	transmembrane protein 68
Hs.420272.1.12	chr5:134716534:134709647	134716191	c	NM_004893	6	CDS	9555	H2AFY	H2A histone family, member Y
Hs.420662.1.12	chr11:111446971:111446636	111446927	c	NM_138789	3	CDS	120379	LOC120379	hypothetical protein BC019238
Hs.420696.1.2	chr21:25883017:25881973	25882935	c	NM_080794	9	CDS	54148	MRPL39	mitochondrial ribosomal protein L39
Hs.420757.1.23	chr1:214181519:214175940	214181479	c	NM_018040	2	CDS	55105	GPATC2	G patch domain containing 2
Hs.421194.1.15	chr7:65261693:65265961	65262055	c	NM_003596	4	CDS	8460	TPST1	tyrosylprotein sulfotransferase 1
Hs.421340.1.2	chr9:132697574:132632476	132697302	c	NM_152572	11	CDS	158067	C9orf98	chromosome 9 open reading frame 98
Hs.421848.1.22	chr10:102736495:102733822	102736023	c	NM_176794	3	CDS	84545	MRPL43	mitochondrial ribosomal protein L43
Hs.422662.1.18	chr14:96396826:96412119	96397012	c	NM_003384	11	CDS	7443	VRK1	vaccinia related kinase 1
Hs.42400.1.13	chr13:26562019:26547526	26561575	c	NM_182488	7	CDS	219333	USP12	ubiquitin specific protease 12
Hs.424484.1.33	chr14:104793899:104789962	104793570	c	NM_001519	4	CDS	2972	BRF1	BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (S. cerevisiae)
Hs.424980.1.9	chr13:46367630:46364727	46367441	c	NM_000621	1	CDS	3356	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A
Hs.425104.1.23	chr2:175804924:175804344	175804728	c	NM_001880	8	CDS	1386	ATF2	activating transcription factor 2
Hs.425125.1.8	chr3:52004097:52003183	52003915	c	NM_000992	3	CDS	6159	RPL29	ribosomal protein L29
Hs.426296.1.4	chr10:73653821:73660129	73653918	c	NM_173473	2	CDS	119504	C10orf104	chromosome 10 open reading frame 104
Hs.42644.1.17	chr10:131867675:131868366	131867922	c	NM_006541	11	UTR	10539	TXNL2	thioredoxin-like 2
Hs.426734.1.8	chr7:34977691:34974947	34977206	c	BC066987	5	CDS	554236	DPY19L2P1	dpy-19-like 2 pseudogene 1 (C. elegans)
Hs.428147.1.8	chr6:110637120:110638602	110637212	c	NM_015891	5	CDS	51362	CDC40	cell division cycle 40 homolog (yeast)
Hs.429018.1.12	chr6:34137647:34134884	34137266	c	NM_000841	3	CDS	2914	GRM4	glutamate receptor, metabotropic 4
Hs.429294.1.29	chr9:104703514:104700535	104703274	c	NM_005502	6	CDS	19	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1
Hs.429596.1.19	chr3:166275020:166269686	166274915	c	NM_001041	3	CDS	6476	SI	sucrase-isomaltase (alpha-glucosidase)
Hs.430425.1.22	chr1:1788997:1781477	1788589	c	NM_002074	3	CDS	2782	GNB1	guanine nucleotide binding protein (G protein), beta polypeptide 1
Hs.430646.1.22	chr6:100113093:100106493	100112798	c	NM_001013399	5	CDS	892	CCNC	cyclin C

Hs.431009.1.2	chr8:106870329:106880127	106870431	c	NM_012082	6	CDS	23414	ZFPM2	zinc finger protein, multitype 2
Hs.431048.1.1	chr9:130619397:130759004	130619522	c	NM_007313	1	CDS	25	ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1
Hs.431081.1.1	chr4:120518662:120524094	120518856	c	NM_019050	1	CDS	54532	USP53	ubiquitin specific protease 53
Hs.431279.1.32	chr17:42146536:42159098	42146851	c	NM_006178	15	CDS	4905	NSF	N-ethylmaleimide-sensitive factor
Hs.431367.1.13	chr6:142561446:142566814	142561607	c	NM_016485	6	CDS	51534	C6orf55	chromosome 6 open reading frame 55
Hs.431400.1.1	chr5:34724111:34793329	34724145	c	AY317139	4	CDS	26064	RAI14	retinoic acid induced 14
Hs.431400.1.6	chr5:34793461:34831800	34793938	c	NM_015577	3	CDS	26064	RAI14	retinoic acid induced 14
Hs.431498.1.46	chr3:71431660:71330234	71431536	c	NM_001012505	5	5UTR	27086	FOXP1	forkhead box P1
Hs.431550.1.1	chr2:101773519:101865699	101773783	c	NM_004834	2	CDS	9448	MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4
Hs.431550.1.30	chr2:101942290:101944601	101942628	c	AY212247	19	CDS	9448	MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4
Hs.431550.1.53	chr2:101957666:101960166	101957780	c	NM_004834	25	CDS	9448	MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4
Hs.431850.1.20	chr22:20448037:20443084	20447883	c	Z11695	8	3UTR	5594	MAPK1	mitogen-activated protein kinase 1
Hs.43213.1.22	chr3:181809301:181810119	181809387	c	NM_133462	11	CDS	151613	TTC14	tetratricopeptide repeat domain 14
Hs.43213.1.28	chr3:181810494:181817869	181811466	c	AY358762	12	CDS	151613	TTC14	tetratricopeptide repeat domain 14
Hs.432364.1.12	chr9:95770702:95783290	95770954	c	NM_001010895	11	CDS	375748	LOC375748	RAD26L hypothetical protein
Hs.432453.1.10	chr10:30768210:30776716	30768405	c	NM_005204	3	CDS	1326	MAP3K8	mitogen-activated protein kinase kinase kinase 8
Hs.432453.1.7	chr10:30768210:30776716	30768225	c	NM_005204	3	CDS	1326	MAP3K8	mitogen-activated protein kinase kinase kinase 8
Hs.432491.1.7	chr13:46249591:46243633	46249239	c	NM_001984	9	CDS	2098	ESD	esterase D/formylglutathione hydrolase
Hs.432562.1.18	chr2:24355464:24352534	24354839	c	NM_006277	30	CDS	50618	ITSN2	intersectin 2
Hs.432674.1.33	chr5:145502627:145500018	145502538	c	NM_020117	20	CDS	51520	LARS	leucyl-tRNA synthetase
Hs.432674.1.38	chr5:145503167:145502841	145503000	c	NM_020117	19	CDS	51520	LARS	leucyl-tRNA synthetase
Hs.432706.1.12	chr2:197790045:197780263	197789899	c	NM_153697	10	CDS	91526	ANKRD44	ankyrin repeat domain 44
Hs.432706.1.8	chr2:197768932:197715498	197768042	c	NM_153697	16	CDS	91526	ANKRD44	ankyrin repeat domain 44
Hs.432948.1.13	chr7:103402871:103401284	103402575	c	NM_002553	9	CDS	5001	ORC5L	origin recognition complex, subunit 5-like (yeast)
Hs.433060.1.27	chr3:133558398:133569245	133559426	c	BC007460	10	CDS	55	ACPP	acid phosphatase, prostate
Hs.433060.1.31	chr3:133558398:133569245	133560302	c	BC007460	10	CDS	55	ACPP	acid phosphatase, prostate
Hs.433062.1.2	chr6:73990142:73983084	73989988	c	NM_030568	7	3UTR	80759	C6orf148	chromosome 6 open reading frame 148
Hs.433213.1.8	chr7:127722167:127727808	127722306	c	NM_018396	4	CDS	55798	METTL2	methyltransferase like 2
Hs.433222.1.5	chr14:74017157:74016745	74016942	c	NM_006432	4	CDS	10577	NPC2	Niemann-Pick disease, type C2
Hs.433332.1.2	chr4:101159542:101159306	101159433	c	NM_021970	7	3UTR	8649	MAP2K1IP1	mitogen-activated protein kinase kinase 1 interacting protein 1
Hs.433343.1.25	chr16:2750502:2751562	2750623	c	NM_016333	10	CDS	23524	SRRM2	serine/arginine repetitive matrix 2
Hs.433343.1.26	chr16:2750502:2751562	2750848	c	NM_016333	10	CDS	23524	SRRM2	serine/arginine repetitive matrix 2
Hs.433439.1.9	chr2:86349395:86351206	86349599	c	NM_145644	4	CDS	51318	MRPL35	mitochondrial ribosomal protein L35
Hs.433702.1.23	chr14:102875424:102875728	102875713	c	NM_001969	9	CDS	1983	EIF5	eukaryotic translation initiation factor 5
Hs.433732.1.22	chr2:201551466:201550445	201551278	c	NM_004071	3	CDS	1195	CLK1	CDC-like kinase 1
Hs.433738.1.11	chr20:32902245:32901525	32902092	c	NM_178026	14	3UTR	2686	GGTL3	gamma-glutamyltransferase-like 3
Hs.433738.1.9	chr20:32901424:32896956	32901160	c	NM_052830	14	CDS	2686	GGTL3	gamma-glutamyltransferase-like 3
Hs.433795.1.34	chr1:151755580:151754998	151755348	c	NM_003029	2	CDS	6464	SHC1	SHC (Src homology 2 domain containing) transforming protein 1
Hs.434251.1.14	chr10:99115854:99113651	99115637	c	NM_015179	29	CDS	23223	KIAA0690	KIAA0690
Hs.434253.1.5	chr9:94615006:94634601	94615092	c	NM_032823	3	CDS	84909	C9orf3	chromosome 9 open reading frame 3
Hs.434255.1.27	chr8:18769463:18706689	18769364	c	NM_015310	4	CDS	23362	PSD3	pleckstrin and Sec7 domain containing 3
Hs.434286.1.26	chr14:88948030:88886906	88947941	c	NM_005197	2	CDS	1112	CHES1	checkpoint suppressor 1
Hs.434289.1.17	chr5:102923642:102923069	102923114	c	NM_031438	2	CDS	83594	NUDT12	nudix (nucleoside diphosphate linked moiety X)-type motif 12
Hs.434367.1.10	chr12:103215301:103215714	103215301	c	NM_003330	6	CDS	7296	TXNRD1	thioredoxin reductase 1

Hs.434435.1.21	chr3:127354984:127352073	127352651	c	NM_012190	7	CDS	10840	ALDH1L1	aldehyde dehydrogenase 1 family, member L1
Hs.434494.1.11	chr6:158446470:158450697	158446872	c	NM_003898	6	CDS	8871	SYNJ2	synaptojanin 2
Hs.434494.1.17	chr6:158458077:158460087	158458231	c	NM_003898	12	CDS	8871	SYNJ2	synaptojanin 2
Hs.434878.1.43	chr20:61797652:61798556	61798042	c	NM_032957	35	CDS	51750	RTEL1	regulator of telomere elongation helicase 1
Hs.434966.1.34	chr8:38236823:38237274	38236929	c	NM_015214	17	3UTR	23259	DDHD2	DDHD domain containing 2
Hs.434980.1.22	chr21:26291545:26276662	26291374	c	NM_000484	8	CDS	351	APP	amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)
Hs.435004.1.18	chr10:121653780:121658542	121654161	c	NM_007190	4	CDS	11196	SEC23IP	SEC23 interacting protein
Hs.435004.1.45	chr10:121683290:121690087	121683340	c	NM_007190	18	3UTR	11196	SEC23IP	SEC23 interacting protein
Hs.435023.1.18	chr2:241212320:241188917	241212149	c	NM_016552	3	CDS	51281	ANKMY1	ankyrin repeat and MYND domain containing 1
Hs.435103.1.28	chr3:143620043:143618770	143619385	c	NM_019001	12	CDS	54464	XRN1	5'-3' exoribonuclease 1
Hs.435120.1.12	chr17:4847709:4847869	4847727	c	NM_006612	9	CDS	10749	KIF1C	kinesin family member 1C
Hs.435237.1.13	chr5:60235231:60234093	60234944	c	NM_000082	6	CDS	1161	ERCC8	excision repair cross-complementing rodent repair deficiency, complementation group 8
Hs.435237.1.15	chr5:60235231:60234093	60235164	c	NM_000082	6	CDS	1161	ERCC8	excision repair cross-complementing rodent repair deficiency, complementation group 8
Hs.435237.1.6	chr5:60222472:60219105	60222135	c	NM_000082	10	CDS	1161	ERCC8	excision repair cross-complementing rodent repair deficiency, complementation group 8
Hs.435302.1.15	chr7:99317408:99314487	99317103	c	NM_017715	3	CDS	7551	ZNF3	zinc finger protein 3 (A8-51)
Hs.435381.1.13	chr9:17356716:17378159	17356758	c	NM_017738	8	CDS	54875	C9orf39	chromosome 9 open reading frame 39
Hs.435398.1.5	chr16:88252331:88263194	88255417	c	NM_153025	2	CDS	124045	C16orf55	chromosome 16 open reading frame 55
Hs.435561.1.1	chr11:107600809:107603531	107601190	c	NM_000051	2	5UTR	472	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)
Hs.435561.1.23	chr11:107670997:107673223	107671938	c	NM_000051	33	CDS	472	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)
Hs.435561.1.5	chr11:107605261:107611606	107605301	c	NM_000051	5	CDS	472	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)
Hs.435561.1.9	chr11:107611772:107619889	107611914	c	NM_000051	6	CDS	472	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)
Hs.435611.1.4	chr19:12728110:12729464	12728520	c	NM_017682	8	CDS	54831	VMD2L1	vitelliform macular dystrophy 2-like 1
Hs.435655.1.18	chr9:92316460:92312619	92315951	c	NM_017680	2	CDS	54829	ASPEN	asporin (LRR class 1)
Hs.435700.1.5	chr1:151123094:151126402	151123395	c	NM_020452	12	CDS	57198	ATP8B2	ATPase, Class I, type 8B, member 2
Hs.435711.1.9	chr4:154554888:154571738	154555024	c	NM_015271	3	CDS	23321	TRIM2	tripartite motif-containing 2
Hs.435741.1.38	chr1:164746124:164764516	164746671	c	NM_001017977	14	CDS	55827	IQWD1	IQ motif and WD repeats 1
Hs.435742.1.11	chr5:34904876:34916042	34905711	c	NM_144725	8	CDS	153657	FLJ25439	hypothetical protein FLJ25439
Hs.435767.1.19	chr3:197457128:197454917	197456841	c	NM_005017	8	CDS	5130	PCYT1A	phosphate cytidyltransferase 1, choline, alpha isoform
Hs.435767.1.20	chr3:197457128:197454917	197456886	c	NM_005017	8	CDS	5130	PCYT1A	phosphate cytidyltransferase 1, choline, alpha isoform
Hs.435771.1.28	chr11:43314121:43320558	43314354	c	NM_006595	13	CDS	8539	API5	apoptosis inhibitor 5
Hs.435815.1.28	chr13:36496171:36494218	36495702	c	NM_001014286	19	CDS	55578	FAM48A	family with sequence similarity 48, member A
Hs.435845.1.5	chr14:76018856:76027542	76019214	c	NM_004452	7	CDS	2103	ESRRB	estrogen-related receptor beta
Hs.435947.1.1	chr1:110596933:110600971	110597354	c	AK022541	1	CDS	64783	RBM15	RNA binding motif protein 15
Hs.435981.1.6	chr19:50608774:50604824	50608534	c	NM_001983	9	CDS	2067	ERCC1	excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)
Hs.435991.1.14	chr4:113545477:113546903	113545592	c	NM_018569	9	CDS	55435	C4orf16	chromosome 4 open reading frame 16
Hs.436031.1.15	chr15:76552779:76555584	76553219	c	NM_004136	8	CDS	3658	IREB2	iron-responsive element binding protein 2
Hs.436040.1.20	chr16:82193701:82261895	82193824	c	NM_001257	8	CDS	1012	CDH13	cadherin 13, H-cadherin (heart)
Hs.436062.1.31	chr3:81774621:81725865	81774412	c	NM_000158	7	CDS	2632	GBE1	glucan (1,4-alpha-), branching enzyme 1 (glycogen branching enzyme, Andersen disease, glycogen storage disease type IV)
Hs.436113.1.15	chr14:103274768:103273951	103274554	c	NM_015316	14	CDS	23368	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B

Hs.436142.1.17	chr4:88037406:88041058	88037536	c	NM_006264	22	CDS	5783	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)
Hs.436142.1.4	chr4:87980134:87994861	87980213	c	NM_006264	7	CDS	5783	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)
Hs.436146.1.4	chr7:1388766:1397260	1388939	c	AB067495	3	5UTR	114796	KIAA1908	KIAA1908 protein
Hs.436186.1.25	chr5:96147247:96145541	96147147	c	NM_016442	13	CDS	51752	ARTS-1	type 1 tumor necrosis factor receptor shedding aminopeptidase regulator
Hs.436186.1.5	chr5:96137863:96124689	96135944	c	NM_016442	19	CDS	51752	ARTS-1	type 1 tumor necrosis factor receptor shedding aminopeptidase regulator
Hs.436186.1.6	chr5:96137863:96124689	96137503	c	NM_016442	19	CDS	51752	ARTS-1	type 1 tumor necrosis factor receptor shedding aminopeptidase regulator
Hs.436186.1.7	chr5:96137863:96124689	96137583	c	NM_016442	19	CDS	51752	ARTS-1	type 1 tumor necrosis factor receptor shedding aminopeptidase regulator
Hs.436299.1.1	chr9:127659177:127659591	127659563	c	AK057719	1	3UTR	NA	NA	NA
Hs.436306.1.4	chr2:228681220:228672082	228681053	c	NM_030623	10	CDS	80309	SKIP	SPHK1 (sphingosine kinase type 1) interacting protein
Hs.436367.1.21	chr18:19733418:19735088	19733658	c	NM_000227	10	CDS	3909	LAMA3	laminin, alpha 3
Hs.436367.1.45	chr18:19765164:19766121	19765500	c	NM_000227	28	CDS	3909	LAMA3	laminin, alpha 3
Hs.436380.1.12	chr14:46412997:46412545	46412872	c	NM_182830	13	CDS	161357	MAMDC1	MAM domain containing 1
Hs.436380.1.9	chr14:46412385:46394108	46412290	c	NM_182830	14	CDS	161357	MAMDC1	MAM domain containing 1
Hs.436385.1.10	chr6:160640658:160638742	160640609	c	NM_003058	4	CDS	6582	SLC22A2	solute carrier family 22 (organic cation transporter), member 2
Hs.436410.1.1	chr11:123998340:124000036	123998578	c	NM_032811	1	5UTR	84897	TBRG1	transforming growth factor beta regulator 1
Hs.436445.1.9	chr8:91002574:91005905	91002721	c	NM_004337	5	CDS	734	C8orf1	chromosome 8 open reading frame 1
Hs.436527.1.36	chr2:112347115:112346521	112346580	c	NM_022662	5	CDS	64682	ANAPC1	anaphase promoting complex subunit 1
Hs.436538.1.1	chr3:25445384:25477687	25445480	c	NM_000965	1	CDS	5915	RARB	retinoic acid receptor, beta
Hs.436590.1.3	chr6:39936772:39940186	39936922	c	NM_015345	3	CDS	23500	DAAM2	dishevelled associated activator of morphogenesis 2
Hs.436657.1.10	chr8:27513213:27512070	27512856	c	NM_001831	7	CDS	1191	CLU	clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J)
Hs.436680.1.5	chr17:58967162:58969157	58967306	c	NM_030779	6	CDS	81033	KCNH6	potassium voltage-gated channel, subfamily H (eag-related), member 6
Hs.436705.1.24	chr20:36594917:36597130	36594996	c	NM_020336	15	CDS	57148	KIAA1219	KIAA1219 protein
Hs.436975.1.7	chr4:56149526:56145633	56149373	c	NM_004898	21	CDS	9575	CLOCK	clock homolog (mouse)
Hs.436977.1.10	chr6:159143472:159148651	159143732	c	NM_001009991	11	CDS	94120	SYTL3	synaptotagmin-like 3
Hs.436980.1.12	chr17:70362427:70360346	70361260	c	NM_000835	2	CDS	2905	GRIN2C	glutamate receptor, ionotropic, N-methyl D-aspartate 2C
Hs.436980.1.5	chr17:70352009:70351288	70351766	c	NM_000835	12	CDS	2905	GRIN2C	glutamate receptor, ionotropic, N-methyl D-aspartate 2C
Hs.437153.1.15	chr12:121143415:121144650	121143574	c	NM_014938	8	CDS	22877	MONDOA	Mlx interactor
Hs.437179.1.15	chr8:38243941:38242987	38243657	c	NM_032483	5	CDS	84513	PPAPDC1B	phosphatidic acid phosphatase type 2 domain containing 1B
Hs.437241.1.14	chr4:47404021:47406525	47404135	c	NM_020453	14	CDS	57205	ATP10D	ATPase, Class V, type 10D
Hs.437241.1.9	chr4:47389808:47397670	47390509	c	NM_020453	10	CDS	57205	ATP10D	ATPase, Class V, type 10D
Hs.437249.1.3	chr17:63815448:63851339	63815899	c	NM_014960	1	CDS	22901	KIAA1001	Arylsulfatase G
Hs.437388.1.18	chr20:43483638:43486269	43483844	c	NM_015937	9	CDS	51604	PIGT	phosphatidylinositol glycan, class T
Hs.437388.1.21	chr20:43486634:43487627	43486792	c	NM_015937	11	CDS	51604	PIGT	phosphatidylinositol glycan, class T
Hs.437549.1.12	chr17:38545827:38550270	38545868	c	NM_005821	4	3UTR	10230	NBR2	neighbor of BRCA1 gene 2
Hs.437943.1.6	chr9:93943589:93946111	93944005	c	NM_152422	7	CDS	138639	PTPDC1	protein tyrosine phosphatase domain containing 1

Hs.438072.1.1	chr7:645480:651675	645630	c	NM_025154	1	CDS	23353	UNC84A	unc-84 homolog A (C. elegans)
Hs.438072.1.13	chr7:656399:662800	656690	c	NM_025154	5	CDS	23353	UNC84A	unc-84 homolog A (C. elegans)
Hs.438072.1.5	chr7:651865:654823	652050	c	NM_025154	2	CDS	23353	UNC84A	unc-84 homolog A (C. elegans)
Hs.438336.1.23	chr2:53953409:53953647	53953426	c	NM_015701	12	CDS	27248	C2orf30	chromosome 2 open reading frame 30
Hs.438489.1.4	chr14:49859188:49862076	49859363	c	NM_001003805	3	CDS	27109	ATP5S	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit s (factor B)
Hs.438489.1.9	chr14:49860585:49862076	49860759	c	NM_001003803	4	CDS	27109	ATP5S	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit s (factor B)
Hs.438587.1.3	chr22:20348806:20349408	20349123	c	NM_014337	2	CDS	23759	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2
Hs.438794.1.17	chr11:9763247:9762562	9763056	c	NM_030962	37	CDS	81846	SBF2	SET binding factor 2
Hs.438918.1.3	chr12:50656627:50661019	50656930	c	NM_004302	3	CDS	91	ACVR1B	activin A receptor, type IB
Hs.439127.1.13	chr5:80691477:80679506	80691427	c	NM_130767	5	CDS	134526	CACH-1	cytosolic acetyl-CoA hydrolase
Hs.439381.1.27	chr1:12343297:12343486	12343338	c	NM_015378	45	CDS	55187	VPS13D	vacuolar protein sorting 13D (yeast)
Hs.439480.1.19	chr3:50115604:50116684	50115688	c	NM_005778	7	CDS	10181	RBM5	RNA binding motif protein 5
Hs.439530.1.13	chr12:4592146:4592941	4592310	c	AF263541	11	CDS	8798	DYRK4	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4
Hs.439620.1.46	chr2:192106475:192114068	192106703	c	NM_012223	28	CDS	4430	MYO1B	myosin IB
Hs.439645.1.27	chr19:6714690:6711999	6714233	c	NM_005490	2	CDS	10045	SH2D3A	SH2 domain containing 3A
Hs.439726.1.12	chr3:49135140:49134808	49134869	c	NM_002292	27	CDS	3913	LAMB2	laminin, beta 2 (laminin S)
Hs.439777.1.5	chr22:49297908:49297655	49297666	c	NM_152246	19	3UTR	1375	CPT1B	carnitine palmitoyltransferase 1B (muscle)
Hs.440049.1.14	chr3:127661193:127643488	127660562	c	NM_025112	7	CDS	79364	ZXDC	ZXD family zinc finger C
Hs.440371.1.1	chr1:100310893:100314458	100311040	c	AK001149	1	CDS	54482	FLJ10287	hypothetical protein FLJ10287
Hs.440379.1.27	chr11:128361107:128357042	128360984	c	NM_014715	5	CDS	9743	RICS	Rho GTPase-activating protein
Hs.440379.1.33	chr11:128373423:128363231	128373400	c	NM_014715	2	CDS	9743	RICS	Rho GTPase-activating protein
Hs.440475.1.14	chr5:281449:283990	281514	c	NM_004168	6	CDS	6389	SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)
Hs.440475.1.30	chr5:304584:307507	304901	c	NM_004168	13	CDS	6389	SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)
Hs.440508.1.7	chr6:130538678:130517864	130538675	c	NM_001017373	8	CDS	154075	SAMD3	sterile alpha motif domain containing 3
Hs.440534.1.18	chr18:64509511:64505983	64509235	c	NM_019022	9	CDS	54495	TXNDC10	thioredoxin domain containing 10
Hs.440534.1.20	chr18:64515442:64509579	64515153	c	NM_019022	8	CDS	54495	TXNDC10	thioredoxin domain containing 10
Hs.440776.1.15	chr1:101191286:101179165	101191226	c	NM_015958	4	CDS	51611	DPH5	DPH5 homolog (S. cerevisiae)
Hs.440848.1.77	chr12:6074886:6054979	6074704	c	NM_000552	6	CDS	7450	VWF	von Willebrand factor
Hs.440955.1.17	chr2:182176226:182183557	182176588	c	NM_000885	10	CDS	3676	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
Hs.440961.1.23	chr5:96110074:96112046	96110177	c	NM_001750	17	CDS	831	CAST	calpastatin
Hs.440961.1.25	chr5:96112143:96115519	96112271	c	NM_001750	18	CDS	831	CAST	calpastatin
Hs.440961.1.47	chr5:96134348:96134727	96134513	c	NM_173061	18	3UTR	831	CAST	calpastatin
Hs.440968.1.39	chr15:41526855:41526081	41526645	c	NM_005657	13	CDS	7158	TP53BP1	tumor protein p53 binding protein, 1
Hs.44102.1.4	chr11:104475299:104468522	104474720	c	NM_001007232	2	CDS	440068	INCA	inhibitory caspase recruitment domain (CARD) protein
Hs.441378.1.26	chr3:133820175:133806748	133819792	c	NM_032169	11	CDS	84129	FLJ12592	putative acyl-CoA dehydrogenase
Hs.441378.1.27	chr3:133820175:133806748	133820010	c	NM_032169	11	CDS	84129	FLJ12592	putative acyl-CoA dehydrogenase
Hs.441550.1.18	chr20:25232185:25230983	25231899	c	NM_015600	12	CDS	26090	C20orf22	chromosome 20 open reading frame 22
Hs.441926.1.18	chr13:72326295:72365922	72326819	c	NM_006346	10	CDS	10464	C13orf24	chromosome 13 open reading frame 24
Hs.442138.1.44	chr19:15408616:15399345	15408286	c	AK131404	3	CDS	58525	WIZ	widely-interspaced zinc finger motifs
Hs.442182.1.12	chr16:16223006:16221306	16222551	c	NM_001171	2	CDS	368	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6
Hs.442291.1.3	chr4:3294554:3302580	3294986	c	NM_001012982	3	CDS	345222	LOC345222	hypothetical gene supported by BC043530
Hs.442291.1.5	chr4:3302758:3306455	3302809	c	NM_001012982	4	3UTR	345222	LOC345222	hypothetical gene supported by BC043530
Hs.442592.1.16	chr5:148865238:148856617	148864602	c	AF218004	9	CDS	1452	CSNK1A1	casein kinase 1, alpha 1
Hs.44269.1.12	chr2:201260122:201261278	201260371	c	NM_152524	6	CDS	151246	SGOL2	shugoshin-like 2 (S. pombe)
Hs.442707.1.11	chr8:74106923:74113904	74106924	c	NM_003218	7	CDS	7013	TERF1	telomeric repeat binding factor (NIMA-interacting) 1

Hs.44277.1.7	chr1:100335807:100333895	100335349	c	NM_144620	6	CDS	127495	LRRC39	leucine rich repeat containing 39
Hs.442782.1.9	chr14:22490603:22489460	22490556	c	NM_017815	5	CDS	54930	C14orf94	chromosome 14 open reading frame 94
Hs.442892.1.2	chrX:63334457:63331802	63334318	c	NM_017677	11	CDS	55613	MTMR8	myotubularin related protein 8
Hs.443031.1.32	chr3:33085315:33084787	33085034	c	NM_000404	3	CDS	2720	GLB1	galactosidase, beta 1
Hs.443061.1.19	chrX:110802204:110806960	110802539	c	NM_024810	10	CDS	79868	CXorf45	chromosome X open reading frame 45
Hs.443077.1.41	chr2:99513580:99510922	99513548	c	NM_016316	6	CDS	51455	REV1L	REV1-like (yeast)
Hs.443081.1.17	chr3:9397303:9399882	9397316	c	NM_015453	7	CDS	25917	THUMPD3	THUMP domain containing 3
Hs.443169.1.9	chr7:92482543:92471575	92482493	c	NM_198151	3	CDS	253012	LOC253012	hypothetical protein LOC253012
Hs.443428.1.32	chr14:23873539:23872035	23873257	c	NM_139247	1	CDS	196883	ADCY4	adenylate cyclase 4
Hs.443481.1.13	chr2:68273484:68270229	68272873	c	NM_138458	7	CDS	116143	LOC116143	hypothetical protein BC014022
Hs.443490.1.3	chrX:21621094:21622945	21621237	c	NM_015884	2	CDS	51360	MBTPS2	membrane-bound transcription factor protease, site 2
Hs.443551.1.5	chr1:166505040:166506802	166505185	c	NM_018186	6	CDS	55732	C1orf112	chromosome 1 open reading frame 112
Hs.443625.1.75	chr2:189698375:189699155	189698619	c	NM_000090	47	CDS	1281	COL3A1	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)
Hs.443681.1.12	chr5:82843972:82868581	82844505	c	X15998	6	CDS	1462	CSPG2	chondroitin sulfate proteoglycan 2 (versican)
Hs.443687.1.16	chr2:105461335:105448709	105460872	c	NM_001450	2	CDS	2274	FHL2	four and a half LIM domains 2
Hs.443789.1.16	chr6:119374172:119369473	119374041	c	NM_024581	6	CDS	79632	C6orf60	chromosome 6 open reading frame 60
Hs.443976.1.13	chr20:33521226:33523288	33521371	c	NM_007186	11	CDS	11190	CEP2	centrosomal protein 2
Hs.444028.1.14	chr13:51937602:51940413	51937943	c	NM_018204	6	CDS	26586	CKAP2	cytoskeleton associated protein 2
Hs.444157.1.15	chr12:41079064:41121383	41079494	c	NM_016488	9	CDS	51535	PPHLN1	periphrin 1
Hs.444157.1.23	chr12:41121499:41122709	41122025	c	NM_016488	10	CDS	51535	PPHLN1	periphrin 1
Hs.444200.1.1	chr17:63252916:63280517	63252321	c	NM_004459	1	CDS	2186	FALZ	fetal Alzheimer antigen
Hs.444200.1.67	chr17:63386454:63390789	63386641	c	NM_004459	26	CDS	2186	FALZ	fetal Alzheimer antigen
Hs.444200.1.69	chr17:63386454:63390789	63386953	c	NM_004459	26	CDS	2186	FALZ	fetal Alzheimer antigen
Hs.44424.1.13	chr12:83780105:83772855	83777095	c	NM_182767	5	CDS	55117	SLC6A15	solute carrier family 6, member 15
Hs.44424.1.15	chr12:83780105:83772855	83779906	c	NM_182767	5	CDS	55117	SLC6A15	solute carrier family 6, member 15
Hs.444240.1.5	chr12:81861992:81863165	81862214	c	NM_152588	6	CDS	160335	DKFZp762A217	hypothetical protein DKFZp762A217
Hs.444247.1.9	chrX:130928133:130930631	130928192	c	AF344883	5	CDS	51765	MASK	Mst3 and SOK1-related kinase
Hs.444292.1.12	chr6:97786022:97784001	97785655	c	NM_198468	13	CDS	253714	C6orf167	chromosome 6 open reading frame 167
Hs.444329.1.6	chr13:93280800:93477983	93280911	c	NM_005708	3	CDS	10082	GPC6	glypican 6
Hs.444362.1.18	chr3:189908884:18990602	189913332	c	NM_005578	7	CDS	4026	LPP	LIM domain containing preferred translocation partner in lipoma
Hs.444389.1.16	chr8:23347774:23346613	23347409	c	NM_004901	12	CDS	9583	ENTPD4	ectonucleoside triphosphate diphosphohydrolase 4
Hs.444403.1.8	chr1:199138810:199141490	199139027	c	NM_002481	10	CDS	4660	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B
Hs.444451.1.11	chr2:173900071:173907349	173903056	c	NM_016653	10	CDS	51776	ZAK	sterile alpha motif and leucine zipper containing kinase AZK
Hs.444459.1.1	chr9:69702448:69731307	69702649	c	NM_001010940	4	CDS	138255	LOC138255	OTTHUMP00000021439
Hs.444535.1.17	chr15:65452826:65464327	65453040	c	NM_022784	8	CDS	64799	FLJ12476	hypothetical protein FLJ12476
Hs.444552.1.15	chr11:60934985:60928753	60934629	c	NM_024811	9	3'UTR	79869	FLJ12529	pre-mRNA cleavage factor I, 59 kDa subunit
Hs.444552.1.17	chr11:60934985:60928753	60934923	c	NM_024811	9	3'UTR	79869	FLJ12529	pre-mRNA cleavage factor I, 59 kDa subunit
Hs.444558.1.4	chr8:136630326:136638872	136631407	c	NM_006558	4	CDS	10656	KHDRBS3	KH domain containing, RNA binding, signal transduction associated 3
Hs.444600.1.32	chr16:30213387:30213010	30213177	c	BC063703	7	3'UTR	81893	LAT1-3TM	LAT1-3TM protein
Hs.444673.1.11	chr5:1373730:1371569	1373466	c	NM_030782	16	CDS	81037	CRR9	cisplatin resistance related protein CRR9p
Hs.444767.1.19	chr8:29059813:29055740	29059294	c	NM_015254	18	CDS	23303	KIF13B	kinesin family member 13B
Hs.444842.1.1	chr6:70646272:70665560	70646408	c	NM_001858	2	CDS	1310	COL19A1	collagen, type XIX, alpha 1
Hs.444870.1.26	chr2:201648258:201647774	201648104	c	NM_006190	3	CDS	4999	ORC2L	origin recognition complex, subunit 2-like (yeast)
Hs.445030.1.28	chr5:95150319:95154518	95150843	c	NM_014899	11	CDS	22836	RHOBTB3	Rho-related BTB domain containing 3
Hs.445097.1.38	chr16:30643905:30647787	30644192	c	NM_006662	20	CDS	10847	SRCAP	Snf2-related CBP activator protein
Hs.445129.1.7	chr12:32030159:32031439	32030326	c	NM_018169	4	CDS	55196	FLJ10652	hypothetical protein FLJ10652

Hs.445192.1.16	chr4:104298359:104270474	104297984	c	NM_139173	1	5UTR	150159	LOC150159	CG10806-like
Hs.445192.1.17	chr4:104298359:104270474	104298081	c	NM_139173	1	5UTR	150159	LOC150159	CG10806-like
Hs.445272.1.2	chr3:121952538:121972264	121952593	c	NM_005513	1	CDS	2960	GTF2E1	general transcription factor IIE, polypeptide 1, alpha 56kDa
Hs.445402.1.5	chr1:202224411:202225016	202224629	c	NM_002596	3	CDS	5129	PCTK3	PCTAIRE protein kinase 3
Hs.445497.1.20	chr2:38720705:38716326	38719868	c	NM_138394	6	CDS	92906	HNRPLL	heterogeneous nuclear ribonucleoprotein L-like
Hs.445748.1.16	chr11:72231843:72231535	72231647	c	NM_014824	15	CDS	9873	FCHSD2	FCH and double SH3 domains 2
Hs.445827.1.55	chr2:189775950:189775446	189775576	c	NM_000393	10	CDS	1290	COL5A2	collagen, type V, alpha 2
Hs.445885.1.41	chr10:24873417:24873915	24873734	c	NM_019590	19	CDS	56243	KIAA1217	KIAA1217
Hs.445885.1.46	chr10:24874039:24874761	24874203	c	NM_019590	20	CDS	56243	KIAA1217	KIAA1217
Hs.446240.1.48	chr20:45338464:45324580	45338084	c	NM_012408	11	CDS	23613	PRKCBP1	protein kinase C binding protein 1
Hs.446240.1.68	chr20:45360879:45356931	45360295	c	NM_012408	4	CDS	23613	PRKCBP1	protein kinase C binding protein 1
Hs.446270.1.54	chr3:155515536:155512166	155515142	c	NM_020865	3	CDS	170506	DHX36	DEAH (Asp-Glu-Ala-His) box polypeptide 36
Hs.446352.1.41	chr17:35127260:35129565	35127422	c	NM_001005862	18	CDS	2064	ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
Hs.446425.1.4	chr2:114106752:114107959	114107702	c	NM_007082	3	CDS	11159	RABL2A	RAB, member of RAS oncogene family-like 2A
Hs.446425.1.7	chr2:114108040:114108857	114108418	c	NM_007082	4	CDS	11159	RABL2A	RAB, member of RAS oncogene family-like 2A
Hs.446438.1.23	chr17:69954733:69956556	69955325	c	AK000249	4	CDS	55890	GPRC5C	G protein-coupled receptor, family C, group 5, member C
Hs.446620.1.6	chr19:62566884:62571723	62568485	c	NM_173631	1	5UTR	284306	ZNF547	zinc finger protein 547
Hs.446747.1.24	chr16:28407412:28406564	28407146	c	NM_000086	4	CDS	1201	CLN3	ceroid-lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeier-Vogt disease)
Hs.447458.1.21	chr10:102709244:102711623	102709337	c	NM_018121	19	CDS	55719	C10orf6	chromosome 10 open reading frame 6
Hs.44766.1.1	chrX:46452892:46469164	46454321	c	NM_006915	1	CDS	6102	RP2	retinitis pigmentosa 2 (X-linked recessive)
Hs.44780.1.10	chr2:144598480:144562062	144597052	c	NM_001006636	7	CDS	79712	GTDC1	glycosyltransferase-like domain containing 1
Hs.44780.1.11	chr2:144598480:144562062	144598404	c	NM_001006636	7	CDS	79712	GTDC1	glycosyltransferase-like domain containing 1
Hs.448418.2.2	chrY:19323116:19281879	19322719	c	NM_001001877	1	CDS	159119	HSFY2	heat shock transcription factor, Y linked 2
Hs.448872.1.7	chr17:33961647:33961152	33961441	c	NM_025248	14	CDS	80725	SNIP	SNAP25-interacting protein
Hs.449278.1.13	chr5:923587:918697	923403	c	NM_001009877	12	CDS	65980	BRD9	bromodomain containing 9
Hs.44939.2.1	chr10:128112377:128113620	128112545	c	AK125527	2	5UTR	NA	NA	NA
Hs.449601.1.14	chr22:20986511:20987615	20986647	c	NM_080926	5	CDS	96610	LOC96610	hypothetical protein similar to KIAA0187 gene product
Hs.450105.1.1	chr4:141803040:141804178	141803040	c	NM_153702	1	5UTR	255520	ELMOD2	ELMO domain containing 2
Hs.45056.1.8	chr6:97669107:97682000	97669340	c	NM_052904	7	CDS	114792	KIAA1900	KIAA1900
Hs.450763.1.4	chr12:62723623:62742963	62723674	c	NM_020762	6	CDS	57522	SRGAP1	SLIT-ROBO Rho GTPase activating protein 1
Hs.451846.1.12	chr1:174647211:174645459	174646127	c	NM_033127	14	CDS	89866	LZTR2	leucine zipper transcription regulator 2
Hs.453441.1.3	chr6:66257207:66171982	66251099	c	NM_198283	4	CDS	346007	EGFL11	EGF-like-domain, multiple 11
Hs.453951.1.12	chr8:32719794:32731431	32720112	c	NM_013957	7	CDS	3084	NRG1	neuregulin 1
Hs.453951.1.14	chr8:32719794:32731431	32720285	c	NM_013957	7	CDS	3084	NRG1	neuregulin 1
Hs.453951.1.21	chr8:32737467:32740807	32738044	c	NM_013956	12	CDS	3084	NRG1	neuregulin 1
Hs.455089.1.6	chr4:10132697:10124433	10131116	c	NM_053042	2	5UTR	85460	KIAA1729	KIAA1729 protein
Hs.456557.1.14	chr1:44770928:44779462	44771128	c	NM_018150	8	CDS	55182	C1orf164	chromosome 1 open reading frame 164
Hs.456557.1.15	chr1:44770928:44779462	44771260	c	NM_018150	8	CDS	55182	C1orf164	chromosome 1 open reading frame 164
Hs.458275.2.5	chr7:73638420:73639776	73638420	c	BC002816	4	CDS	NA	NA	NA
Hs.458304.1.9	chr3:125181902:125178519	125180212	c	NM_017578	3	CDS	54763	ROPN1	ropporin, rhopilin associated protein 1
Hs.458312.1.5	chr2:149061763:149074410	149062412	c	NM_018328	4	CDS	55777	MBD5	methyl-CpG binding domain protein 5
Hs.458332.1.9	chr17:77484473:77484131	77484191	c	NM_153824	7	CDS	5831	PYCR1	pyrroline-5-carboxylate reductase 1
Hs.458713.1.13	chr8:33430275:33371316	33429847	c	AJ535839	3	CDS	84750	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase)
Hs.459035.1.6	chr15:77064403:77060097	77064158	c	NM_002891	24	CDS	5923	RASGRF1	Ras protein-specific guanine nucleotide-releasing factor 1
Hs.459088.1.17	chr15:79017376:79021244	79017590	c	NM_018689	24	CDS	57214	KIAA1199	KIAA1199

Hs.459095.1.17	chr15:79385942:79388000	79385944	c	NM_004513	7	CDS	3603	IL16	interleukin 16 (lymphocyte chemoattractant factor)
Hs.459095.1.5	chr15:79372296:79376323	79372340	c	NM_172217	14	CDS	3603	IL16	interleukin 16 (lymphocyte chemoattractant factor)
Hs.459117.1.2	chr15:80351199:80361514	80351490	c	NM_001008226	2	CDS	283726	DKFZp666G057	hypothetical protein DKFZp666G057
Hs.459211.1.8	chr15:83878116:83888006	83881233	c	NM_006738	4	CDS	11214	AKAP13	A kinase (PRKA) anchor protein 13
Hs.459573.1.23	chr15:100332080:100332738	100332244	c	NM_199163	8	3UTR	374666	FLJ25222	CXYorf1-related protein
Hs.459573.1.4	chr15:100323950:100330321	100325493	c	NM_199163	2	CDS	374666	FLJ25222	CXYorf1-related protein
Hs.459715.1.26	chr16:2930095:2938689	2930157	c	NM_032296	9	CDS	84256	FLYWCH1	FLYWCH-type zinc finger 1
Hs.459759.1.27	chr16:3729579:3728675	3729448	c	NM_004380	26	CDS	1387	CREBBP	CREB binding protein (Rubinstein-Taybi syndrome)
Hs.459759.1.55	chr16:3763752:3760989	3763638	c	NM_004380	14	CDS	1387	CREBBP	CREB binding protein (Rubinstein-Taybi syndrome)
Hs.459759.1.56	chr16:3763752:3760989	3763699	c	NM_004380	14	CDS	1387	CREBBP	CREB binding protein (Rubinstein-Taybi syndrome)
Hs.459779.1.6	chr16:4427488:4431376	4427657	c	NM_005147	3	CDS	9093	DNAJA3	DnaJ (Hsp40) homolog, subfamily A, member 3
Hs.459790.1.13	chr9:77182008:77183985	77183648	c	NM_001018037	46	CDS	23230	VPS13A	vacuolar protein sorting 13A (yeast)
Hs.459845.1.1	chr10:1196578:1198486	1196931	c	NM_001010910	2	CDS	399706	LOC399706	hypothetical LOC399706
Hs.460107.1.17	chr16:15698219:15725548	15698285	c	NM_017668	8	CDS	54820	NDE1	nudE nuclear distribution gene E homolog 1 (A. nidulans)
Hs.460124.1.11	chr9:120711676:120711163	120711410	c	NM_015651	5	CDS	26147	PHF19	PHD finger protein 19
Hs.460179.1.27	chr16:18760387:18758770	18760364	c	NM_015092	41	CDS	23049	SMG1	PI-3-kinase-related kinase SMG-1
Hs.460468.1.2	chr16:28036139:28031873	28035873	c	NM_015171	15	CDS	23214	XPO6	exportin 6
Hs.460574.1.6	chr16:29887077:29890229	29887416	c	NM_194280	4	CDS	124446	LOC124446	hypothetical protein BC017488
Hs.460857.1.14	chr16:54142516:54166043	54142746	c	NM_017839	11	CDS	54947	FLJ20481	hypothetical protein FLJ20481
Hs.460885.1.8	chr16:55796422:55799470	55796681	c	NM_133368	2	CDS	89970	KIAA1972	KIAA1972 protein
Hs.460923.1.14	chr16:57114774:57112723	57114681	c	NM_016284	47	CDS	23019	CNOT1	CCR4-NOT transcription complex, subunit 1
Hs.460923.1.43	chr16:57135011:57133974	57134737	c	NM_016284	31	CDS	23019	CNOT1	CCR4-NOT transcription complex, subunit 1
Hs.461247.1.3	chr10:17922812:17927294	17923065	c	NM_001009567	5	CDS	414308	MRC1L1	mannose receptor, C type 1-like 1
Hs.461510.1.6	chr16:80255456:80261247	80255734	c	NM_030629	7	CDS	80790	CMIP	c-Maf-inducing protein
Hs.461775.1.1	chr16:88171631:88177605	88171811	c	NM_153636	2	CDS	27132	CPNE7	copine VII
Hs.461988.1.5	chr10:86123552:86167506	86123741	c	NM_018999	2	CDS	54462	KIAA1128	KIAA1128
Hs.462278.1.7	chr17:13921099:13946159	13921360	c	NM_001303	3	CDS	1352	COX10	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)
Hs.462323.1.12	chr17:15883471:15878984	15883259	c	NM_006311	44	CDS	9611	NCOR1	nuclear receptor co-repressor 1
Hs.462323.1.17	chr17:15890989:15884534	15890931	c	NM_006311	42	CDS	9611	NCOR1	nuclear receptor co-repressor 1
Hs.462323.1.39	chr17:15906143:15905934	15906048	c	NM_006311	36	CDS	9611	NCOR1	nuclear receptor co-repressor 1
Hs.462390.1.4	chr17:18016456:18017819	18016630	c	AL713794	10	CDS	51168	MYO15A	myosin XVA
Hs.462606.1.15	chr17:24881764:24885261	24881882	c	NM_020791	18	CDS	57551	TAOK1	TAO kinase 1
Hs.462680.1.1	chr17:25832408:25835357	25832488	c	NM_004871	2	CDS	9527	GOSR1	golgi SNAP receptor complex member 1
Hs.462732.1.13	chr17:27339630:27344373	27339674	c	NM_015355	10	CDS	23512	SUZ12	suppressor of zeste 12 homolog (Drosophila)
Hs.462742.1.31	chr17:27559442:27560481	27559631	c	AY094972	18	CDS	55288	RHOT1	ras homolog gene family, member T1
Hs.462742.1.32	chr17:27560578:27562247	27560870	c	AY094972	19	CDS	55288	RHOT1	ras homolog gene family, member T1
Hs.462777.1.24	chr17:28010245:28005753	28009653	c	NM_015194	17	CDS	4642	MYO1D	myosin ID
Hs.462915.1.6	chr17:33746386:33745554	33746159	c	NM_001004334	4	CDS	440435	GPR158L1	GPR158-like 1
Hs.462956.1.7	chr17:34820359:34815088	34819722	c	BC060758	17	CDS	5469	PPARBP	PPAR binding protein
Hs.462956.1.8	chr17:34820359:34815088	34819931	c	BC060758	17	CDS	5469	PPARBP	PPAR binding protein
Hs.463010.1.31	chr17:36052232:36047351	36050352	c	NM_003079	4	CDS	6605	SMARCE1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1
Hs.463041.1.34	chr1:8358381:8357171	8358036	c	BC062342	15	CDS	473	RERE	arginine-glutamic acid dipeptide (RE) repeats

Hs.463059.1.53	chr17:37793822:37754084	37792483	c	NM_139276	1	5UTR	6774	STAT3	signal transducer and activator of transcription 3 (acute-phase response factor)
Hs.463264.1.2	chr17:41983202:41986081	41983237	c	NM_001006607	10	CDS	474170	LOC474170	c114 SLIT-like testicular protein
Hs.463278.1.21	chr17:42367535:42370963	42369187	c	NM_004287	5	CDS	9570	GOSR2	golgi SNAP receptor complex member 2
Hs.463278.1.23	chr17:42371070:42372919	42371153	c	NM_054022	6	CDS	9570	GOSR2	golgi SNAP receptor complex member 2
Hs.463278.1.24	chr17:42371070:42372919	42371362	c	NM_054022	6	CDS	9570	GOSR2	golgi SNAP receptor complex member 2
Hs.463278.1.29	chr17:42371070:42372919	42371752	c	NM_054022	6	CDS	9570	GOSR2	golgi SNAP receptor complex member 2
Hs.463295.1.18	chr17:42561757:42556326	42561667	c	NM_001256	16	CDS	996	CDC27	cell division cycle 27
Hs.463303.1.13	chr17:42847285:42862182	42847340	c	NM_152347	23	CDS	124989	FLJ40342	hypothetical protein FLJ40342
Hs.463303.1.8	chr17:42780317:42793742	42781635	c	NM_152347	9	CDS	124989	FLJ40342	hypothetical protein FLJ40342
Hs.463416.1.18	chr17:45789613:45790566	45790426	c	NM_022167	9	CDS	64132	XYLT2	xylosyltransferase II
Hs.463439.1.22	chr17:46409467:46408262	46408962	c	AY236487	13	CDS	9043	SPAG9	sperm associated antigen 9
Hs.463964.1.12	chr17:63933810:63929557	63933666	c	NM_017983	13	CDS	55062	WIPI49	WD40 repeat protein Interacting with phospholositides of 49kDa
Hs.464137.1.38	chr17:71481300:71465243	71480985	c	NM_007292	3	CDS	51	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl
Hs.464184.1.19	chr17:72702589:72703878	72702708	c	NM_003003	7	CDS	6397	SEC14L1	SEC14-like 1 (S. cerevisiae)
Hs.464333.1.47	chr17:77190789:77187727	77190715	c	NM_017921	4	CDS	55666	NPL4	nuclear protein localization 4
Hs.46440.1.4	chr12:21318669:21313969	21318143	c	NM_021094	13	CDS	6579	SLCO1A2	solute carrier organic anion transporter family, member 1A2
Hs.46440.1.7	chr12:21339797:21338312	21339795	c	NM_021094	9	CDS	6579	SLCO1A2	solute carrier organic anion transporter family, member 1A2
Hs.464442.1.5	chr18:1259687:1245216	1259161	c	NM_031416	6	3UTR	56651	C18orf2	chromosome 18 open reading frame 2
Hs.464442.1.6	chr18:1259687:1245216	1259527	c	NM_031416	6	3UTR	56651	C18orf2	chromosome 18 open reading frame 2
Hs.464896.1.11	chr18:31077256:31088193	31077342	c	AK027384	3	CDS	84307	ZNF397	zinc finger protein 397
Hs.464896.1.15	chr18:31077256:31088193	31078062	c	AK027384	3	CDS	84307	ZNF397	zinc finger protein 397
Hs.464912.1.8	chr18:31827062:31824557	31825817	c	BC000225	8	3UTR	55197	P15RS	hypothetical protein FLJ10656
Hs.465102.1.12	chr18:45362026:45362729	45362217	c	NM_006033	6	CDS	9388	LIPG	lipase, endothelial
Hs.465102.1.6	chr18:45347990:45349804	45348131	c	NM_006033	3	CDS	9388	LIPG	lipase, endothelial
Hs.465323.1.21	chr18:58093687:58098572	58093785	c	NM_020854	19	CDS	57614	KIAA1468	KIAA1468
Hs.465818.1.22	chr19:8566645:8563755	8566636	c	NM_030957	12	CDS	81794	ADAMTS10	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 10
Hs.466391.1.19	chr19:35195279:35197633	35195423	c	NM_003796	10	CDS	8725	C19orf2	chromosome 19 open reading frame 2
Hs.466435.1.26	chr19:38190759:38185747	38190512	c	NM_033103	7	CDS	85415	RHPN2	rhophilin, Rho GTPase binding protein 2
Hs.466848.1.63	chr19:48064092:48063143	48063198	c	BC058285	6	CDS	5669	PSG1	pregnancy specific beta-1-glycoprotein 1
Hs.466848.1.65	chr19:48064092:48063143	48063702	c	BC058285	6	CDS	5669	PSG1	pregnancy specific beta-1-glycoprotein 1
Hs.466929.1.9	chr19:50373190:50360293	50372855	c	NM_024108	1	CDS	79090	MGC2650	hypothetical protein MGC2650
Hs.466937.1.21	chr19:50586977:50581279	50586886	c	NM_006663	8	CDS	10848	PPP1R13L	protein phosphatase 1, regulatory (inhibitor) subunit 13 like
Hs.467288.1.23	chr19:59560348:59560041	59560062	c	NM_002287	5	CDS	3903	LAIR1	leukocyte-associated Ig-like receptor 1
Hs.467524.1.32	chr1:21800368:21795895	21799650	c	NM_032236	11	CDS	84196	USP48	ubiquitin specific protease 48
Hs.467733.1.9	chr2:11671557:11675884	11671989	c	NM_014668	7	CDS	9687	GREB1	GREB1 protein
Hs.467793.1.1	chr2:17856863:17862823	17856853	c	NM_182625	1	5UTR	348654	FLJ40869	hypothetical protein FLJ40869
Hs.467868.1.21	chr2:24318166:24324931	24318343	c	BC050462	5	CDS	375190	FLJ30851	FLJ30851 protein
Hs.468099.1.8	chr2:32429069:32434953	32429142	c	NM_032312	3	CDS	84272	YIPF4	Yip1 domain family, member 4
Hs.468186.1.31	chr2:37147404:37146099	37146132	c	NM_019024	28	CDS	54497	KIAA1414	KIAA1414 protein
Hs.468226.1.15	chr2:38945351:38941709	38945198	c	NM_145646	21	3UTR	90957	DHX57	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57
Hs.468226.1.38	chr2:38992846:38987196	38991838	c	NM_145646	8	3UTR	90957	DHX57	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57
Hs.468239.1.40	chr2:39495040:39482245	39494957	c	NM_003618	3	CDS	8491	MAP4K3	mitogen-activated protein kinase kinase kinase kinase 3
Hs.468490.1.5	chr2:48847737:48837591	48847560	c	NM_000233	9	CDS	3973	LHCGR	luteinizing hormone/choriogonadotropin receptor

Hs.46850.1.26	chr12:100664282:100662541	100664156	c	NM_024312	11	CDS	79158	MGC4170	MGC4170 protein
Hs.46850.1.30	chr12:100676397:100667404	100674539	c	NM_024312	7	CDS	79158	MGC4170	MGC4170 protein
Hs.468623.1.14	chr2:58270715:58273926	58270953	c	NM_006296	9	CDS	7444	VRK2	vaccinia related kinase 2
Hs.468663.1.53	chr2:61365852:61362083	61365574	c	NM_014709	60	CDS	9736	USP34	ubiquitin specific protease 34
Hs.468663.1.70	chr2:61404182:61398563	61404056	c	NM_014709	41	CDS	9736	USP34	ubiquitin specific protease 34
Hs.468688.1.21	chr10:127419761:127421616	127420224	c	NM_015608	16	CDS	26098	C10orf137	chromosome 10 open reading frame 137
Hs.468840.1.1	chr2:68504177:68519110	68504188	c	NM_002664	1	CDS	5341	PLEK	pleckstrin
Hs.469116.1.17	chr1:27116517:27113946	27116084	c	NM_003047	5	CDS	6548	SLC9A1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)
Hs.469331.1.31	chr2:96295756:96283162	96295626	c	NM_020151	1	CDS	56910	STARD7	START domain containing 7
Hs.469386.1.18	chr2:98652125:98662456	98652956	c	NM_004027	24	CDS	3631	INPP4A	inositol polyphosphate-4-phosphatase, type 1, 107kDa
Hs.469473.1.5	chr2:101081052:101081329	101081095	c	NM_000993	4	CDS	6160	RPL31	ribosomal protein L31
Hs.469521.1.1	chr2:102437697:102442802	102437894	c	NM_003855	1	CDS	8809	IL18R1	interleukin 18 receptor 1
Hs.469615.1.10	chr2:109661001:109659277	109660733	c	NM_144710	10	CDS	151011	SEPT10	septin 10
Hs.469630.1.6	chr2:109919084:109923125	109919097	c	NM_005054	4	CDS	84220	RANBP2L1	RAN binding protein 2-like 1
Hs.469723.1.13	chr1:28656030:28663852	28656761	c	NM_001269	3	5UTR	1104	RCC1	regulator of chromosome condensation 1
Hs.469723.1.15	chr1:28656030:28663852	28658020	c	NM_001269	3	5UTR	1104	RCC1	regulator of chromosome condensation 1
Hs.469809.1.16	chr2:120420381:120425778	120420476	c	NM_002830	18	CDS	5775	PTPN4	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)
Hs.469840.1.23	chr2:121875314:121872207	121875059	c	NM_015282	28	CDS	23332	CLASP1	cytoplasmic linker associated protein 1
Hs.469872.1.42	chr2:127767318:127766653	127767020	c	NM_000122	2	CDS	2071	ERCC3	excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing)
Hs.469879.1.10	chr2:127962984:127960471	127962337	c	NM_017969	12	CDS	55677	FLJ10006	hypothetical protein FLJ10006
Hs.469971.1.2	chr2:132313954:132341937	132314084	c	NM_013310	1	5UTR	29798	C2orf27	chromosome 2 open reading frame 27
Hs.469971.1.3	chr2:132313954:132341937	132314250	c	NM_013310	1	5UTR	29798	C2orf27	chromosome 2 open reading frame 27
Hs.470126.1.14	chr2:143549017:143551924	143549373	c	NM_003937	7	CDS	8942	KYNU	kynureninase (L-kynurenine hydrolase)
Hs.470174.1.17	chr2:148539351:148534824	148538976	c	NM_002552	9	CDS	5000	ORC4L	origin recognition complex, subunit 4-like (yeast)
Hs.470445.1.3	chr2:163105352:163082459	163105264	c	NM_033272	9	CDS	90134	KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7
Hs.470457.1.41	chr2:165425703:165412133	165425471	c	NM_014900	2	CDS	22837	COBL1	COBL-like 1
Hs.470538.1.28	chr2:169913730:169908606	169913396	c	NM_004525	31	CDS	4036	LRP2	low density lipoprotein-related protein 2
Hs.470538.1.30	chr2:169923004:169921793	169922801	c	NM_004525	25	CDS	4036	LRP2	low density lipoprotein-related protein 2
Hs.470544.1.19	chr2:170315265:170318108	170315575	c	NM_004792	12	CDS	9360	PPIG	peptidyl-prolyl isomerase G (cyclophilin G)
Hs.470646.1.17	chr2:173726928:173738834	173727030	c	NM_007023	29	CDS	11069	RAPGEF4	Rap guanine nucleotide exchange factor (GEF) 4
Hs.470996.1.21	chr2:197465345:197463384	197465219	c	NM_012086	13	CDS	9330	GTF3C3	general transcription factor IIIC, polypeptide 3, 102kDa
Hs.470996.1.32	chr2:197470788:197469298	197470319	c	NM_012086	9	CDS	9330	GTF3C3	general transcription factor IIIC, polypeptide 3, 102kDa
Hs.471096.1.14	chr2:202413271:202408440	202412219	c	NM_020919	23	CDS	57679	ALS2	amyotrophic lateral sclerosis 2 (juvenile)
Hs.471096.1.21	chr2:202431902:202428965	202431413	c	NM_020919	11	CDS	57679	ALS2	amyotrophic lateral sclerosis 2 (juvenile)
Hs.471096.1.27	chr2:202451109:202447989	202449686	c	NM_020919	4	CDS	57679	ALS2	amyotrophic lateral sclerosis 2 (juvenile)
Hs.471104.1.11	chr2:202974711:202977888	202974752	c	NM_015934	5	CDS	51602	NOP5/NOP58	nucleolar protein NOP5/NOP58
Hs.471145.1.5	chr2:203903883:203907481	203904042	c	NM_198945	27	CDS	65065	NBEAL1	neurobeachin-like 1
Hs.471162.1.16	chr2:204179812:204167386	204179727	c	NM_025252	4	CDS	65059	RAPH1	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1
Hs.471200.1.24	chr2:206433783:206435975	206433921	c	NM_003872	9	CDS	8828	NRP2	neuropilin 2
Hs.471200.1.5	chr2:206387952:206406422	206388140	c	NM_003872	2	CDS	8828	NRP2	neuropilin 2
Hs.471316.1.13	chr2:214007587:214030392	214008208	c	NM_024532	5	CDS	79582	SPAG16	sperm associated antigen 16

Hs.471316.1.20	chr2:214054376:214065239	214054519	c	NM_024532	8	CDS	79582	SPAG16	sperm associated antigen 16
Hs.471316.1.8	chr2:214007587:214030392	214007656	c	NM_024532	5	CDS	79582	SPAG16	sperm associated antigen 16
Hs.471461.1.43	chr2:223624911:223631719	223625448	c	NM_004457	16	CDS	2181	ACSL3	acyl-CoA synthetase long-chain family member 3
Hs.471582.1.8	chr2:231078854:231080138	231079006	c	NM_138402	9	CDS	93349	LOC93349	hypothetical protein BC004921
Hs.471610.1.16	chr2:231930260:231946803	231930375	c	NM_025139	9	CDS	80210	FLJ12584	melanoma/melanocyte specific protein KU-MEL-1
Hs.471610.1.6	chr2:231905220:231906855	231905498	c	NM_025139	4	CDS	80210	FLJ12584	melanoma/melanocyte specific protein KU-MEL-1
Hs.471637.1.12	chr2:232820935:232826686	232821097	c	NM_152383	7	CDS	129563	MGC42174	hypothetical protein MGC42174
Hs.471818.1.35	chr11:34075885:34077425	34076030	c	NM_005898	18	CDS	4076	M11S1	membrane component, chromosome 11, surface marker 1
Hs.471834.1.2	chr2:241699821:241707721	241700340	c	AK074062	7	CDS	25992	SNED1	sushi, nidogen and EGF-like domains 1
Hs.471933.1.8	chr20:1300719:1298717	1300379	c	NM_000801	4	3UTR	2280	FKBP1A	FK506 binding protein 1A, 12kDa
Hs.471933.1.9	chr20:1300719:1298717	1300426	c	NM_000801	4	3UTR	2280	FKBP1A	FK506 binding protein 1A, 12kDa
Hs.472038.1.13	chr1:38157575:38158309	38157575	c	NM_016037	7	CDS	51118	UTP11L	UTP11-like, U3 small nucleolar ribonucleoprotein, (yeast)
Hs.472040.1.17	chr20:5486590:5476497	5486497	c	NM_019593	19	CDS	56261	KIAA1434	hypothetical protein KIAA1434
Hs.472054.1.20	chr20:6036178:6026279	6036097	c	NM_017671	6	CDS	55612	C20orf42	chromosome 20 open reading frame 42
Hs.472101.1.19	chr20:9330238:9336563	9330349	c	NM_000933	19	CDS	5332	PLCB4	phospholipase C, beta 4
Hs.472213.1.60	chr20:17588624:17587335	17588521	c	NM_004587	2	CDS	6238	RRBP1	ribosome binding protein 1 homolog 180kDa (dog)
Hs.472225.1.8	chr20:18327166:18325191	18326988	c	NM_018152	13	CDS	55184	C20orf12	chromosome 20 open reading frame 12
Hs.472630.1.14	chr20:34959638:34954884	34959388	c	NM_015474	15	CDS	25939	SAMHD1	SAM domain and HD domain 1
Hs.472630.1.32	chr20:34988998:34981337	34988771	c	NM_015474	6	CDS	25939	SAMHD1	SAM domain and HD domain 1
Hs.472737.1.12	chr20:39159396:39160268	39159476	c	NM_003286	10	CDS	7150	TOP1	topoisomerase (DNA) I
Hs.472856.1.4	chr20:43999632:44001026	43999944	c	NM_022104	2	5UTR	63935	C20orf67	chromosome 20 open reading frame 67
Hs.472860.1.9	chr20:44188748:44190183	44189207	c	NM_001250	6	CDS	958	CD40	CD40 antigen (TNF receptor superfamily member 5)
Hs.47288.1.11	chr9:70628574:70606195	70628334	c	NM_001007471	7	CDS	80036	TRPM3	transient receptor potential cation channel, subfamily M, member 3
Hs.47288.1.20	chr9:70687472:70672489	70687393	c	NM_001007470	5	CDS	80036	TRPM3	transient receptor potential cation channel, subfamily M, member 3
Hs.473087.1.35	chr1:41145020:41146422	41145023	c	NM_001905	18	3UTR	1503	CTPS	CTP synthase
Hs.473163.1.12	chr20:55181662:55179572	55181459	c	NM_001719	6	CDS	655	BMP7	bone morphogenetic protein 7 (osteogenic protein 1)
Hs.473163.1.17	chr20:55192184:55183471	55191987	c	NM_001719	4	CDS	655	BMP7	bone morphogenetic protein 7 (osteogenic protein 1)
Hs.473254.1.18	chr20:60290331:60292496	60290544	c	NM_014835	9	CDS	9885	OSBPL2	oxysterol binding protein-like 2
Hs.473450.1.13	chr21:21726473:21760797	21726596	c	NM_004540	12	CDS	4685	NCAM2	neural cell adhesion molecule 2
Hs.473554.1.11	chr21:29893020:29890762	29892985	c	NM_000830	8	CDS	2897	GRIK1	glutamate receptor, ionotropic, kainate 1
Hs.473727.1.10	chr21:36337949:36336057	36337852	c	NM_001007258	10	CDS	54093	C21orf18	chromosome 21 open reading frame 18
Hs.473727.1.23	chr21:36347750:36342565	36347658	c	NM_001007258	7	CDS	54093	C21orf18	chromosome 21 open reading frame 18
Hs.473894.1.7	chr21:42194799:42192541	42194702	c	NM_199050	11	CDS	25966	C21orf25	chromosome 21 open reading frame 25
Hs.473918.1.15	chr21:42855348:42856993	42855388	c	NM_018964	13	CDS	54020	SLC37A1	solute carrier family 37 (glycerol-3-phosphate transporter), member 1
Hs.473918.1.7	chr21:42819037:42827876	42819217	c	NM_018964	4	CDS	54020	SLC37A1	solute carrier family 37 (glycerol-3-phosphate transporter), member 1
Hs.474185.1.3	chr22:17268793:17272238	17268956	c	NM_005675	2	CDS	8214	DGCR6	DiGeorge syndrome critical region gene 6
Hs.474441.1.11	chr22:25256807:25253266	25256442	c	NM_001008566	4	CDS	8459	TPST2	tyrosylprotein sulfotransferase 2
Hs.474536.1.11	chr22:28719401:28723422	28719533	c	NM_021090	8	CDS	8897	MTMR3	myotubularin related protein 3
Hs.474751.1.64	chr22:35032593:35029942	35032133	c	NM_002473	14	CDS	4627	MYH9	myosin, heavy polypeptide 9, non-muscle
Hs.474853.1.5	chr22:37799591:37801437	37800205	c	NM_021822	2	CDS	60489	APOBEC3G	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G

Hs.474905.1.26	chr22:39150109:39144886	39149855	c	NM_020831	7	CDS	57591	MKL1	megakaryoblastic leukemia (translocation) 1
Hs.474982.2.12	chr22:40236422:40238030	40236627	c	NM_001098	6	CDS	50	ACO2	aconitase 2, mitochondrial
Hs.474982.2.7	chr22:40232473:40235880	40232791	c	NM_001098	4	CDS	50	ACO2	aconitase 2, mitochondrial
Hs.475110.1.7	chr22:44138826:44142364	44139370	c	NM_015653	4	CDS	26150	RIBC2	RIB43A domain with coiled-coils 2
Hs.475392.1.10	chr3:9986402:9980882	9986262	c	NM_018447	7	CDS	55831	LOC55831	30 kDa protein
Hs.475392.1.8	chr3:9986402:9980882	9985336	c	NM_018447	7	CDS	55831	LOC55831	30 kDa protein
Hs.475392.1.9	chr3:9986402:9980882	9986211	c	NM_018447	7	CDS	55831	LOC55831	30 kDa protein
Hs.475401.1.17	chr3:10295748:10295904	10295849	c	NM_014760	7	3UTR	9797	TATDN2	TatD DNase domain containing 2
Hs.475629.1.36	chr3:17640344:17525102	17640211	c	NM_014744	2	5UTR	9779	TBC1D5	TBC1 domain family, member 5
Hs.475663.1.12	chr3:19994900:20000203	19994956	c	NM_004162	5	CDS	5868	RAB5A	RAB5A, member RAS oncogene family
Hs.475848.1.11	chr18:664160:663077	663914	c	X67098	14	3UTR	55556	ENOSF1	enolase superfamily member 1
Hs.475848.1.13	chr18:664160:663077	664001	c	X67098	14	3UTR	55556	ENOSF1	enolase superfamily member 1
Hs.475945.1.1	chr3:37433220:37451435	37433278	c	NM_178340	3	CDS	339883	APRG1	AP20 region protein
Hs.475945.1.3	chr3:37434245:37451435	37434869	c	NM_178338	6	3UTR	339883	APRG1	AP20 region protein
Hs.476093.1.23	chr3:45126968:45112065	45126740	c	NM_022842	4	CDS	64866	CDCP1	CUB domain containing protein 1
Hs.476164.1.40	chr1:52652524:52649796	52652406	c	NM_001009881	13	CDS	23318	ZCCHC11	zinc finger, CCHC domain containing 11
Hs.476280.1.2	chr1:52949468:52957545	52949638	c	NM_024646	3	CDS	79699	ZYG11B	zyg-11 homolog B (C. elegans)
Hs.476308.1.5	chr3:52208497:52211562	52208853	c	NM_000688	3	CDS	211	ALAS1	aminolevulinatase, delta-, synthase 1
Hs.476415.1.26	chr3:57269222:57269695	57269504	c	NM_012096	18	CDS	26060	APPL	adaptor protein containing pH domain, PTB domain and leucine zipper motif 1
Hs.476517.1.11	chr4:38739261:38746956	38739360	c	NM_138389	7	CDS	92689	LOC92689	hypothetical protein BC001096
Hs.476972.1.21	chr3:99155925:99153895	99155541	c	AY456380	4	5UTR	84864	MINA	MYC induced nuclear antigen
Hs.477114.1.15	chr3:113141168:113142071	113141168	c	NM_145753	5	CDS	90102	PHLDB2	pleckstrin homology-like domain, family B, member 2
Hs.477114.1.6	chr3:113086950:113114855	113087332	c	NM_145753	1	CDS	90102	PHLDB2	pleckstrin homology-like domain, family B, member 2
Hs.477162.1.14	chr3:115278480:115281442	115278567	c	NM_024638	7	CDS	79691	QTRTD1	queuine tRNA-ribosyltransferase domain containing 1
Hs.477375.1.9	chr3:124820175:124815887	124817889	c	NM_005965	17	CDS	4638	MYLK	myosin, light polypeptide kinase
Hs.477440.1.19	chr3:126753714:126749127	126753599	c	NM_022776	9	CDS	114885	OSBPL11	oxysterol binding protein-like 11
Hs.477440.1.31	chr3:126777722:126769130	126777686	c	NM_022776	5	CDS	114885	OSBPL11	oxysterol binding protein-like 11
Hs.477475.1.3	chr3:127809191:127774184	127809037	c	AB113648	2	5UTR	114112	TXNRD3	thioredoxin reductase 3
Hs.477495.1.4	chr1:58854618:58853274	58854465	c	AB067502	5	CDS	114803	MYSM1	myb-like, SWIRM and MPN domains 1
Hs.477898.1.14	chr3:150354134:150355591	150354619	c	NM_032383	7	CDS	84343	HPS3	Hermansky-Pudlak syndrome 3
Hs.478125.1.36	chr1:62291940:62294224	62292071	c	NM_170605	35	CDS	10207	INADL	InaD-like (Drosophila)
Hs.478125.1.40	chr1:62294912:62298873	62295086	c	NM_170605	37	CDS	10207	INADL	InaD-like (Drosophila)
Hs.478199.1.11	chr3:171475778:171480716	171476136	c	NM_002740	8	CDS	5584	PRKCI	protein kinase C, iota
Hs.478407.1.1	chr3:182115486:182133823	182115617	c	NM_001013439	2	5UTR	8087	FXR1	fragile X mental retardation, autosomal homolog 1
Hs.478429.1.33	chr3:184114485:184118512	184115095	c	NM_014616	29	CDS	23200	ATP11B	ATPase, Class VI, type 11B
Hs.478429.1.7	chr3:184036961:184037560	184037114	c	NM_014616	6	CDS	23200	ATP11B	ATPase, Class VI, type 11B
Hs.478459.1.6	chr3:184937320:184948161	184937451	c	NM_018023	8	CDS	55689	YEATS2	YEATS domain containing 2
Hs.478673.1.18	chr3:191829990:191844738	191830280	c	NM_002182	9	CDS	3556	IL1RAP	interleukin 1 receptor accessory protein
Hs.478673.1.21	chr3:191829990:191844738	191830776	c	NM_002182	9	CDS	3556	IL1RAP	interleukin 1 receptor accessory protein
Hs.478708.1.13	chr3:194844597:194846043	194844642	c	NM_015560	14	CDS	4976	OPA1	optic atrophy 1 (autosomal dominant)
Hs.479122.1.14	chr4:8493358:8490793	8493505	c	NM_003501	16	CDS	8310	ACOX3	acyl-Coenzyme A oxidase 3, pristanoyl
Hs.479264.1.7	chr4:17260286:17261374	17260966	c	NM_015907	4	CDS	51056	LAP3	leucine aminopeptidase 3
Hs.479298.1.7	chr4:20387666:20390679	20387728	c	NM_145048	5	CDS	133015	MGC29898	hypothetical protein MGC29898
Hs.479384.1.35	chr4:25456966:25454252	25456792	c	NM_015187	16	CDS	23231	KIAA0746	KIAA0746 protein
Hs.479396.1.20	chr4:26107945:26108309	26108081	c	NM_005349	10	CDS	3516	RBPSUH	recombining binding protein suppressor of hairless (Drosophila)
Hs.479403.1.1	chr4:26292345:26298503	26292428	c	NM_018317	3	CDS	55296	TBC1D19	TBC1 domain family, member 19
Hs.479491.1.34	chr1:68371658:68336952	68371548	c	NM_001002292	2	CDS	79971	C1orf139	chromosome 1 open reading frame 139

Hs.479634.1.21	chr4:41903192:41905930	41903471	c	NM_006345	10	CDS	10463	SLC30A9	solute carrier family 30 (zinc transporter), member 9
Hs.479693.1.17	chr1:70415257:70417142	70415258	c	NM_004768	7	CDS	9295	SFRS11	splicing factor, arginine/serine-rich 11
Hs.479808.1.8	chr4:57739519:57738431	57739353	c	NM_001553	4	CDS	3490	IGFBP7	insulin-like growth factor binding protein 7
Hs.479954.1.7	chr4:75390841:75405257	75391380	c	BC037529	2	5UTR	441024	MTHFD2L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2-like
Hs.480101.1.16	chr4:84731562:84727294	84731484	c	NM_133636	2	CDS	113510	HEL308	DNA helicase HEL308
Hs.480101.1.17	chr4:84731562:84727294	84731522	c	NM_133636	2	CDS	113510	HEL308	DNA helicase HEL308
Hs.480190.1.25	chr4:88403475:88404429	88403605	c	NM_005935	12	CDS	4299	AFF1	AF4/FMR2 family, member 1
Hs.480452.1.27	chr4:106725143:106716798	106724963	c	NM_176869	5	CDS	27068	PPA2	inorganic pyrophosphatase 2
Hs.480597.1.15	chr1:77889452:77879178	77889358	c	NM_015017	22	CDS	23032	USP33	ubiquitin specific protease 33
Hs.480672.1.7	chr4:124307156:124335146	124307256	c	NM_145207	11	CDS	166378	SPATA5	spermatogenesis associated 5
Hs.480694.1.9	chr4:125988759:125957666	125988696	c	NM_020337	1	CDS	57182	KIAA1223	KIAA1223 protein
Hs.480701.1.9	chr4:129200283:129199597	129200229	c	NM_152778	12	CDS	256471	MGC33302	hypothetical protein MGC33302
Hs.480712.1.26	chr4:129386074:129393329	129387660	c	NM_018078	9	CDS	55132	LARP2	La ribonucleoprotein domain family, member 2
Hs.480712.1.30	chr4:129400949:129440953	129401113	c	NM_018078	11	CDS	55132	LARP2	La ribonucleoprotein domain family, member 2
Hs.480712.1.43	chr4:129488754:129499114	129488828	c	BC062606	6	CDS	55132	LARP2	La ribonucleoprotein domain family, member 2
Hs.480712.1.49	chr4:129488754:129499114	129489894	c	BC062606	6	CDS	55132	LARP2	La ribonucleoprotein domain family, member 2
Hs.480792.1.14	chr4:140811923:140807980	140811341	c	NM_030648	3	CDS	80854	SET7	SET domain-containing protein 7
Hs.480848.1.17	chr4:144493702:144499052	144494323	c	NM_032557	9	CDS	84640	USP38	ubiquitin specific protease 38
Hs.480938.1.67	chr4:152293183:152207823	152291566	c	NM_006726	2	CDS	987	LRBA	LPS-responsive vesicle trafficking, beach and anchor containing
Hs.481133.1.13	chr4:168050388:168037941	168049967	c	NM_016950	8	CDS	50859	SPOCK3	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3
Hs.481133.1.14	chr4:168050388:168037941	168050021	c	NM_016950	8	CDS	50859	SPOCK3	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3
Hs.481133.1.15	chr4:168050388:168037941	168050295	c	NM_016950	8	CDS	50859	SPOCK3	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3
Hs.481181.1.22	chr4:170872808:170858078	170872485	c	NM_012224	11	CDS	4750	NEK1	NIMA (never in mitosis gene a)-related kinase 1
Hs.481186.1.27	chr4:171003148:171008959	171003538	c	NM_001829	11	CDS	1182	CLCN3	chloride channel 3
Hs.481342.1.43	chr4:186945769:186943086	186945241	c	NM_003603	10	CDS	8470	ARGBP2	Arg/Abl-interacting protein ArgBP2
Hs.481342.1.64	chr4:187071529:186986915	187070248	c	NM_003603	2	5UTR	8470	ARGBP2	Arg/Abl-interacting protein ArgBP2
Hs.481361.1.15	chr4:187463566:187468216	187463610	c	NM_001006655	13	CDS	25854	DKFZP564J102	DKFZP564J102 protein
Hs.481542.1.17	chr5:6803617:6804151	6803931	c	NM_006999	10	CDS	11044	POLS	polymerase (DNA directed) sigma
Hs.481569.1.15	chr5:10289589:10288374	10289273	c	NM_199133	2	CDS	134145	LOC134145	hypothetical protein LOC134145
Hs.481720.1.45	chr5:16736988:16735123	16736539	c	NM_012334	30	CDS	4651	MYO10	myosin X
Hs.481819.1.13	chr5:32095220:32096864	32095377	c	NM_015022	9	CDS	23037	PDZK3	PDZ domain containing 3
Hs.481865.1.9	chr5:33787265:33719918	33787184	c	NM_030955	3	CDS	81792	ADAMTS12	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 12
Hs.481918.1.4	chr5:36644464:36665308	36644729	c	NM_004172	2	CDS	6507	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 3
Hs.481918.1.6	chr5:36644464:36665308	36645158	c	NM_004172	2	CDS	6507	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 3
Hs.481927.1.59	chr5:37099838:37100385	37100050	c	NM_133433	46	CDS	25836	NIPBL	Nipped-B homolog (Drosophila)
Hs.481980.1.23	chr5:39418476:39417476	39418210	c	NM_001343	10	CDS	1601	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)
Hs.481992.1.33	chr5:41221928:41217419	41221812	c	NM_000065	6	CDS	729	C6	complement component 6
Hs.482363.1.9	chr5:68436300:68439931	68436323	c	NM_022902	4	CDS	64924	SLC30A5	solute carrier family 30 (zinc transporter), member 5
Hs.482497.1.42	chr5:72237029:72240291	72237125	c	NM_002270	24	3UTR	3842	TNPO1	transportin 1
Hs.482497.1.43	chr5:72237029:72240291	72237163	c	NM_002270	24	3UTR	3842	TNPO1	transportin 1
Hs.482521.1.34	chr5:73243157:73272424	73243278	c	AK025816	12	CDS	64283	RGNEF	Rho-guanine nucleotide exchange factor

Hs.482625.1.18	chr5:79094789:79120549	79094998	c	NM_153610	9	CDS	202333	CMYA5	cardiomyopathy associated 5
Hs.482660.1.13	chr5:79771608:79774697	79771951	c	NM_014733	4	CDS	9765	ZFYVE16	zinc finger, FYVE domain containing 16
Hs.482873.1.14	chr1:93333877:93332467	93333836	c	NM_016040	3	CDS	50999	TMED5	transmembrane emp24 protein transport domain containing 5
Hs.482910.1.28	chr5:96271225:96274096	96271246	c	NM_022350	14	CDS	64167	LRAP	leukocyte-derived arginine aminopeptidase
Hs.482910.1.8	chr5:96250766:96253758	96250948	c	NM_022350	4	CDS	64167	LRAP	leukocyte-derived arginine aminopeptidase
Hs.483238.1.21	chr1:94380120:94379435	94379472	c	NM_004815	11	CDS	9411	ARHGAP29	Rho GTPase activating protein 29
Hs.483329.1.17	chr5:131160421:131108283	131159200	c	NM_001008738	1	CDS	96459	KIAA1961	KIAA1961 gene
Hs.483329.1.7	chr5:131041294:131036517	131041189	c	NM_001008738	12	CDS	96459	KIAA1961	KIAA1961 gene
Hs.483419.1.19	chr5:133937352:133942085	133939334	c	NM_015288	10	CDS	23338	PHF15	PHD finger protein 15
Hs.483793.1.7	chr5:148671961:148675576	148672131	c	NM_152406	9	CDS	134265	FLJ36748	hypothetical protein FLJ36748
Hs.483877.1.3	chr5:150685039:150681970	150684905	c	NM_181776	8	CDS	153201	SLC36A2	solute carrier family 36 (proton/amino acid symporter), member 2
Hs.483877.1.6	chr5:150692977:150685207	150692722	c	NM_181776	7	CDS	153201	SLC36A2	solute carrier family 36 (proton/amino acid symporter), member 2
Hs.483921.1.40	chr5:154272651:154271652	154272651	c	NM_015465	14	CDS	25929	GEMIN5	gem (nuclear organelle) associated protein 5
Hs.483944.1.11	chr5:156849895:156848773	156849618	c	NM_023038	19	CDS	8728	ADAM19	a disintegrin and metalloproteinase domain 19 (meltrin beta)
Hs.484195.1.13	chr5:172451011:172468232	172451139	c	NM_153607	4	CDS	153222	LOC153222	adult retina protein
Hs.484289.1.41	chr5:176912774:176911739	176912500	c	NM_019057	1	5UTR	54540	FLJ10404	hypothetical protein FLJ10404
Hs.484782.1.13	chr1:10457380:10456026	10456791	c	NM_004401	5	CDS	1676	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide
Hs.484782.1.16	chr1:10457380:10456026	10457186	c	NM_004401	5	CDS	1676	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide
Hs.484918.1.17	chr6:25214565:25205409	25213953	c	D86324	7	CDS	8418	CMAH	cytidine monophosphate-N-acetylneuraminic acid hydroxylase (CMP-N-acetylneuraminate monooxygenase)
Hs.485070.1.4	chr6:30985296:30985687	30985423	c	NM_001517	3	CDS	2968	GTF2H4	general transcription factor IIH, polypeptide 4, 52kDa
Hs.485158.1.9	chr6:34619774:34616937	34619236	c	NM_012391	2	CDS	25803	SPDEF	SAM pointed domain containing ets transcription factor
Hs.485196.1.22	chr6:35500535:35501586	35501151	c	NM_006238	8	CDS	5467	PPARD	peroxisome proliferative activated receptor, delta
Hs.485426.1.3	chr6:42905889:42927807	42905926	c	NM_015349	5	CDS	23506	KIAA0240	KIAA0240
Hs.485438.1.11	chr6:43375783:43376850	43375904	c	NM_006672	4	CDS	10864	SLC22A7	solute carrier family 22 (organic anion transporter), member 7
Hs.485438.1.17	chr6:43379961:43380386	43380196	c	NM_006672	9	CDS	10864	SLC22A7	solute carrier family 22 (organic anion transporter), member 7
Hs.485471.1.13	chr6:44479743:44482037	44479743	c	NM_001253	6	CDS	988	CDC5L	CDC5 cell division cycle 5-like (S. pombe)
Hs.485518.1.11	chr6:47657761:47671555	47657968	c	NM_012120	11	CDS	23607	CD2AP	CD2-associated protein
Hs.485557.1.7	chr6:52955330:52951350	52955303	c	NM_001512	6	CDS	2941	GSTA4	glutathione S-transferase A4
Hs.485616.1.119	chr6:56597286:56593473	56597139	c	NM_001723	22	CDS	667	DST	dystonin
Hs.485628.1.29	chr6:57126805:57133840	57127063	c	NM_015555	12	CDS	26036	ZNF451	zinc finger protein 451
Hs.485640.1.7	chr6:57298803:57352657	57299120	c	NM_000947	5	CDS	5558	PRIM2A	primase, polypeptide 2A, 58kDa
Hs.485784.1.36	chr6:76445364:76462239	76445414	c	NM_015571	16	CDS	26054	SENP6	SUMO1/sentrin specific protease 6
Hs.485784.1.39	chr6:76445364:76462239	76446301	c	NM_015571	16	CDS	26054	SENP6	SUMO1/sentrin specific protease 6
Hs.485877.1.15	chr6:86381417:86379361	86380970	c	BC032643	11	CDS	10492	SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein
Hs.4859.1.32	chr3:158353526:158352733	158353368	c	NM_020307	4	CDS	57018	CCNL1	cyclin L1
Hs.485910.1.11	chr6:88286019:88285329	88285966	c	NM_020320	14	CDS	57038	RARSL	arginyl-tRNA synthetase-like
Hs.486063.1.17	chr6:106756539:106741245	106756314	c	NM_004849	7	CDS	9474	APG5L	APG5 autophagy 5-like (S. cerevisiae)
Hs.486228.1.32	chr6:112019153:112008286	112018817	c	NM_147200	3	CDS	10758	TRAF3IP2	TRAF3 interacting protein 2
Hs.486246.1.20	chr1:113960553:113959462	113960431	c	BC002447	13	CDS	10745	PHTF1	putative homeodomain transcription factor 1

Hs.486354.1.2	chr6:122948852:122996126	122948968	c	NM_181794	3	5UTR	5570	PKIB	protein kinase (cAMP-dependent, catalytic) inhibitor beta
Hs.486357.1.1	chr6:123152303:123158520	123153650	c	NM_006714	1	CDS	10924	SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A
Hs.486458.1.22	chr6:129974370:129970891	129974231	c	NM_033515	8	CDS	93663	ARHGAP18	Rho GTPase activating protein 18
Hs.486696.1.4	chr6:145990316:145988554	145989623	c	NM_001018041	4	CDS	7957	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)
Hs.486696.1.9	chr6:145998073:145990523	145997914	c	NM_001018041	3	CDS	7957	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)
Hs.486835.1.14	chr6:151849694:151846480	151849484	c	NM_017909	3	CDS	55005	C6orf96	chromosome 6 open reading frame 96
Hs.486835.1.17	chr6:151858556:151849804	151858285	c	NM_017909	2	CDS	55005	C6orf96	chromosome 6 open reading frame 96
Hs.487036.1.21	chr15:50330878:50328273	50330480	c	NM_018728	13	CDS	55930	MYO5C	myosin VC
Hs.487062.1.73	chr6:160481547:160487881	160481787	c	NM_000876	44	CDS	3482	IGF2R	insulin-like growth factor 2 receptor
Hs.487175.1.13	chr6:167408794:167410445	167409110	c	NM_007045	9	CDS	11116	FGFR1OP	FGFR1 oncogene partner
Hs.487325.1.1	chr1:84353512:84356880	84353676	c	BX647515	4	CDS	5567	PRKACB	protein kinase, cAMP-dependent, catalytic, beta
Hs.487648.1.38	chr7:17703225:17688654	17701019	c	NM_015132	5	CDS	23161	SNX13	sorting nexin 13
Hs.487925.1.80	chr1:142441244:142435787	142440808	c	NM_001002812	4	CDS	9659	PDE4DIP	phosphodiesterase 4D interacting protein (myomegalin)
Hs.487933.1.16	chr7:32830290:32828723	32830057	c	NM_016489	8	CDS	51251	NT5C3	5'-nucleotidase, cytosolic III
Hs.487994.1.10	chr7:35968052:36051833	35968514	c	NM_030636	2	CDS	80820	KIAA1706	KIAA1706 protein
Hs.487994.1.18	chr7:36110037:36111855	36110307	c	NM_030636	7	CDS	80820	KIAA1706	KIAA1706 protein
Hs.487994.1.9	chr7:35968052:36051833	35968262	c	NM_030636	2	CDS	80820	KIAA1706	KIAA1706 protein
Hs.488007.1.10	chr7:36353164:36345191	36353164	c	NM_001637	16	CDS	313	AOAH	acyloxyacyl hydrolase (neutrophil)
Hs.488051.1.11	chr20:18071564:18073876	18071813	c	NM_020536	2	CDS	57325	CSRP2BP	CSRP2 binding protein
Hs.488181.1.19	chr7:44488989:44494558	44489433	c	NM_002541	9	CDS	4967	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)
Hs.488181.1.3	chr7:44437405:44458165	44437917	c	NM_001003941	2	CDS	4967	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)
Hs.488293.1.17	chr7:54998735:54999564	54998853	c	NM_005228	10	CDS	1956	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)
Hs.488293.1.45	chr7:55044528:55047157	55044978	c	NM_005228	27	CDS	1956	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)
Hs.488478.1.16	chr7:65860273:65862362	65860472	c	NM_017994	5	CDS	55069	FLJ10099	hypothetical protein FLJ10099
Hs.488945.1.10	chr7:77529910:77475162	77529741	c	NM_012301	10	CDS	9863	MAGI2	membrane associated guanylate kinase, WW and PDZ domain containing 2
Hs.488945.1.11	chr7:77529910:77475162	77529766	c	NM_012301	10	CDS	9863	MAGI2	membrane associated guanylate kinase, WW and PDZ domain containing 2
Hs.489142.1.6	chr7:93675584:93678518	93675646	c	NM_000089	6	CDS	1278	COL1A2	collagen, type I, alpha 2
Hs.489353.1.34	chr1:109178879:109184364	109179023	c	NM_013296	14	CDS	29899	GPSM2	G-protein signalling modulator 2 (AGS3-like, C. elegans)
Hs.489603.1.3	chr7:104848259:104845002	104847872	c	AK097574	10	CDS	222255	ATXN7L4	ataxin 7-like 4
Hs.489603.1.8	chr7:104854597:104852496	104854501	c	BC003517	2	CDS	222255	ATXN7L4	ataxin 7-like 4
Hs.489615.1.19	chr7:105495984:105488902	105495898	c	NM_005746	8	CDS	10135	PBEF1	pre-B-cell colony enhancing factor 1
Hs.489646.1.15	chr7:107165751:107164016	107165725	c	NM_002291	29	CDS	3912	LAMB1	laminin, beta 1
Hs.489646.1.21	chr7:107169810:107166774	107169744	c	NM_002291	27	CDS	3912	LAMB1	laminin, beta 1
Hs.489786.1.1	chr7:116774352:116776020	116774714	c	NM_000492	8	CDS	1080	CFTR	cystic fibrosis transmembrane conductance regulator, ATP-binding cassette (sub-family C, member 7)
Hs.489786.1.10	chr7:116861776:116876442	116861912	c	NM_000492	22	CDS	1080	CFTR	cystic fibrosis transmembrane conductance regulator, ATP-binding cassette (sub-family C, member 7)

Hs.489786.1.11	chr7:116861776:116876442	116862069	c	NM_000492	22	CDS	1080	CFTR	cystic fibrosis transmembrane conductance regulator, ATP-binding cassette (sub-family C, member 7)
Hs.489988.1.9	chr7:128716839:128719370	128717423	c	NM_020704	20	CDS	57464	FAM40B	family with sequence similarity 40, member B
Hs.490181.1.18	chr7:133441529:133438474	133441316	c	NM_032826	8	CDS	84912	SLC35B4	solute carrier family 35, member B4
Hs.490203.1.18	chr7:134083244:134089513	134083685	c	NM_004342	6	CDS	800	CALD1	caldesmon 1
Hs.490224.1.18	chr7:134535924:134530902	134535639	c	NM_001008225	10	CDS	4850	CNOT4	CCR4-NOT transcription complex, subunit 4
Hs.490273.1.14	chr7:137054991:137050438	137054825	c	NM_194071	4	CDS	64764	CREB3L2	cAMP responsive element binding protein 3-like 2
Hs.490366.1.31	chr7:139987592:139961980	139987396	c	NM_004333	3	CDS	673	BRAF	v-raf murine sarcoma viral oncogene homolog B1
Hs.490454.1.18	chr7:143970300:143900693	143969874	c	NM_022445	2	CDS	27010	TPK1	thiamin pyrophosphokinase 1
Hs.490695.1.2	chr7:155058826:155066728	155059061	c	NM_001008408	3	CDS	155435	RBM33	RNA binding motif protein 33
Hs.490715.1.9	chr7:155946889:155949710	155947091	c	NM_030936	4	CDS	140545	RNF32	ring finger protein 32
Hs.490745.1.13	chr7:156677782:156701964	156678086	c	NM_058246	8	CDS	10049	DNAJB6	DnaJ (Hsp40) homolog, subfamily B, member 6
Hs.490789.1.23	chr7:156887405:156870309	156887273	c	NM_002847	17	CDS	5799	PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2
Hs.490795.1.21	chr7:158029214:158027776	158028766	c	NM_020728	19	CDS	57488	FAM62B	family with sequence similarity 62 (C2 domain containing) member B
Hs.490817.1.18	chr7:158389001:158350746	158388793	c	AK131406	1	CDS	7434	VIPR2	vasoactive intestinal peptide receptor 2
Hs.490892.1.16	chr8:6290477:6300071	6290537	c	NM_024596	5	CDS	79648	MCPH1	microcephaly, primary autosomal recessive 1
Hs.490892.1.18	chr8:6290477:6300071	6291496	c	NM_024596	5	CDS	79648	MCPH1	microcephaly, primary autosomal recessive 1
Hs.491143.1.17	chr8:17793469:17787361	17793012	c	NM_201552	2	5UTR	2267	FGL1	fibrinogen-like 1
Hs.491148.1.22	chr8:17857443:17858392	17857687	c	NM_006197	10	CDS	5108	PCM1	pericentriolar material 1
Hs.491148.1.23	chr8:17857443:17858392	17857739	c	NM_006197	10	CDS	5108	PCM1	pericentriolar material 1
Hs.491148.1.97	chr8:17916630:17927149	17916668	c	NM_006197	36	CDS	5108	PCM1	pericentriolar material 1
Hs.491223.1.2	chr8:22007976:22009793	22008345	c	NM_022749	2	5UTR	64760	RAI16	retinoic acid induced 16
Hs.491351.1.74	chr17:55122855:55125870	55122969	c	NM_004859	31	CDS	1213	CLTC	clathrin, heavy polypeptide (Hc)
Hs.49143.1.9	chr16:14241843:14246885	14242783	c	NM_014048	10	CDS	57496	MKL2	MKL/myocardin-like 2
Hs.491577.1.27	chr8:42025052:41964239	42024835	c	NM_006766	2	CDS	7994	MYST3	MYST histone acetyltransferase (monocytic leukemia) 3
Hs.491682.1.104	chr8:49002883:49002467	49002543	c	NM_006904	20	CDS	5591	PRKDC	protein kinase, DNA-activated, catalytic polypeptide
Hs.492236.1.16	chr1:157001186:157000572	157000786	c	NM_015726	13	CDS	50717	WDR42A	WD repeat domain 42A
Hs.492236.1.34	chr1:157022559:157021611	157022085	c	NM_015726	4	CDS	50717	WDR42A	WD repeat domain 42A
Hs.492445.1.29	chr8:103348350:103346683	103347925	c	NM_015902	52	CDS	51366	EDD1	E3 ubiquitin protein ligase, HECT domain containing, 1
Hs.492445.1.81	chr8:103385446:103381556	103385232	c	NM_015902	22	CDS	51366	EDD1	E3 ubiquitin protein ligase, HECT domain containing, 1
Hs.492925.1.6	chr1:159499365:159501190	159499590	c	NM_016371	4	CDS	51478	HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7
Hs.493516.1.29	chr9:15476003:15469686	15475772	c	NM_021144	5	CDS	11168	PSIP1	PC4 and SFRS1 interacting protein 1
Hs.493639.1.14	chr9:27551582:27550298	27550499	c	NM_018325	5	CDS	203228	C9orf72	chromosome 9 open reading frame 72
Hs.493767.1.1	chr9:34326340:34328710	34326387	c	NM_001161	2	5UTR	318	NUDT2	nudix (nucleoside diphosphate linked moiety X)-type motif 2
Hs.494146.1.22	chr9:71549064:71545295	71548887	c	NM_013390	18	CDS	23670	TMEM2	transmembrane protein 2
Hs.494186.1.23	chr9:74932477:74927621	74930954	c	NM_017881	1	5UTR	54981	C9orf95	chromosome 9 open reading frame 95
Hs.494186.1.25	chr9:74932477:74927621	74932045	c	NM_017881	1	5UTR	54981	C9orf95	chromosome 9 open reading frame 95
Hs.49421.1.13	chr1:67049073:67040007	67048950	c	NM_024763	6	CDS	79819	WDR78	WD repeat domain 78
Hs.49421.1.19	chr1:67082904:67071118	67082567	c	NM_024763	2	CDS	79819	WDR78	WD repeat domain 78
Hs.49421.1.7	chr1:67015413:67013482	67015307	c	NM_024763	10	CDS	79819	WDR78	WD repeat domain 78
Hs.494326.1.24	chr1:166088106:166096789	166088267	c	NM_003666	7	3UTR	8548	BLZF1	basic leucine zipper nuclear factor 1 (JEM-1)
Hs.494326.1.7	chr1:166077876:166079225	166078279	c	NM_003666	3	CDS	8548	BLZF1	basic leucine zipper nuclear factor 1 (JEM-1)
Hs.494552.1.4	chr9:95846539:95854061	95846700	c	NM_020207	3	CDS	56959	C9orf102	chromosome 9 open reading frame 102

Hs.494595.1.7	chr9:97446563:97444605	97445906	c	NM_139246	9	CDS	158427	C9orf97	chromosome 9 open reading frame 97
Hs.494700.1.28	chr9:105225196:105227257	105225260	c	NM_022109	14	CDS	23446	CDW92	CDW92 antigen
Hs.494751.1.9	chr1:168832086:168954369	168832086	c	NM_015569	14	CDS	26052	DNM3	dynamins 3
Hs.494892.1.3	chr9:114011298:114020124	114011857	c	NM_032888	3	CDS	85301	COL27A1	collagen, type XXVII, alpha 1
Hs.494928.1.29	chr9:116077471:116107689	116077862	c	NM_002581	7	CDS	5069	PAPPA	pregnancy-associated plasma protein A, pappalysin 1
Hs.495035.1.12	chr1:170435083:170452559	170435223	c	NM_014458	3	CDS	27252	KLHL20	kelch-like 20 (Drosophila)
Hs.495138.1.25	chr9:125401465:125385002	125400947	c	NM_001006617	6	CDS	79109	MAPKAP1	mitogen-activated protein kinase associated protein 1
Hs.495188.1.15	chr9:127320797:127321215	127320797	c	NM_001005373	12	CDS	90678	LRSAM1	leucine rich repeat and sterile alpha motif containing 1
Hs.495417.1.14	chr9:132958884:132959348	132959006	c	NM_012087	6	CDS	9328	GTF3C5	general transcription factor IIIC, polypeptide 5, 63kDa
Hs.495605.1.17	chrX:2644777:2649604	2645069	c	U82164	9	3UTR	4267	CD99	CD99 antigen
Hs.495728.1.12	chrX:15233627:15203771	15231395	c	NM_001018109	5	CDS	8544	PIR	pirin (iron-binding nuclear protein)
Hs.495755.1.7	chrX:16627023:16623719	16626771	c	NM_002893	10	CDS	5931	RBBP7	retinoblastoma binding protein 7
Hs.495834.1.1	chrX:21876927:21889241	21877138	c	NM_000444	9	CDS	5251	PHEX	phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets)
Hs.495880.1.8	chrX:24505711:24510143	24506403	c	NM_016937	15	CDS	5422	POLA	polymerase (DNA directed), alpha
Hs.495897.1.4	chr1:173569636:173565315	173569611	c	NM_004319	22	CDS	460	ASTN	astrotactin
Hs.495912.1.33	chrX:31507404:31457361	31507219	c	NM_000109	52	CDS	1756	DMD	dystrophin (muscular dystrophy, Duchenne and Becker types)
Hs.495912.1.50	chrX:32295781:32279617	32294370	c	NM_000109	18	CDS	1756	DMD	dystrophin (muscular dystrophy, Duchenne and Becker types)
Hs.495984.1.36	chrX:41275945:41252169	41275608	c	NM_003688	8	CDS	8573	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)
Hs.496068.1.31	chrX:46843123:46844219	46843337	c	NM_006201	14	CDS	5127	PCTK1	PCTAIRE protein kinase 1
Hs.496222.1.10	chr1:175565745:175554580	175565609	c	NM_004673	3	CDS	9068	ANGPTL1	angiopoietin-like 1
Hs.497039.1.16	chr1:179817696:179818111	179817778	c	NM_002293	8	CDS	3915	LAMC1	laminin, gamma 1 (formerly LAMB2)
Hs.497039.1.56	chr1:179838620:179841195	179838697	c	NM_002293	26	CDS	3915	LAMC1	laminin, gamma 1 (formerly LAMB2)
Hs.497123.1.12	chr1:179984786:179979422	179983665	c	NM_015039	7	CDS	23057	NMNAT2	nicotinamide nucleotide adenyltransferase 2
Hs.497183.1.34	chr1:182007802:182007415	182007539	c	NM_016389	7	CDS	10625	IVNS1ABP	influenza virus NS1A binding protein
Hs.497417.1.27	chr14:74207217:74206583	74207124	c	NM_014821	13	CDS	9870	KIAA0317	KIAA0317
Hs.497520.1.8	chr1:202320750:202319859	202320053	c	NM_001973	3	CDS	2005	ELK4	ELK4, ETS-domain protein (SRF accessory protein 1)
Hs.497520.1.9	chr1:202320750:202319859	202320486	c	NM_001973	3	CDS	2005	ELK4	ELK4, ETS-domain protein (SRF accessory protein 1)
Hs.497575.1.6	chr1:202968327:202977641	202968737	c	NM_015326	6	CDS	23380	SRGAP2	SLIT-ROBO Rho GTPase activating protein 2
Hs.497581.1.12	chr1:203157461:203155538	203157449	c	AF262403	11	CDS	1939	LGTN	ligatin
Hs.497599.1.10	chr14:99878487:99873293	99878140	c	NM_004184	9	CDS	7453	WARS	tryptophanyl-tRNA synthetase
Hs.497692.1.18	chr1:209344108:209301339	209343679	c	NM_015471	4	CDS	25936	C1orf48	chromosome 1 open reading frame 48
Hs.497806.1.3	chr1:217142856:217160067	217144631	c	NM_018650	3	CDS	4139	MARK1	MAP/microtubule affinity-regulating kinase 1
Hs.497893.1.29	chr1:222013634:222011744	222013481	c	NM_001008493	5	CDS	55740	ENAH	enabled homolog (Drosophila)
Hs.498543.1.14	chr10:5991264:5992906	5991447	c	NM_032807	6	CDS	84893	FBXO18	F-box protein, helicase, 18
Hs.498548.1.18	chr10:6194331:6195476	6194971	c	NM_032905	8	CDS	84991	RBM17	RNA binding motif protein 17
Hs.498740.1.13	chr10:13562904:13534665	13562891	c	NM_152751	6	CDS	222389	C10orf30	chromosome 10 open reading frame 30
Hs.499029.1.21	chr10:22936861:22920717	22936745	c	NM_005028	3	CDS	5305	PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alpha
Hs.499145.1.44	chr10:27474362:27471421	27474354	c	NM_014263	3	CDS	10730	YME1L1	YME1-like 1 (S. cerevisiae)
Hs.499158.1.6	chr22:36337505:36338954	36338345	c	NM_001001560	3	CDS	26088	GGA1	golgi associated, gamma adaptin ear containing, ARF binding protein 1
Hs.499222.1.16	chr16:54404315:54402424	54403616	c	S73751	10	CDS	1066	CES1	carboxylesterase 1 (monocyte/macrophage serine esterase 1)

Hs.499483.1.27	chr16:82722207:82721538	82722081	c	NM_031463	3	CDS	83693	HSDL1	hydroxysteroid dehydrogenase like 1
Hs.499643.1.15	chr10:52271627:52266079	52271590	c	NM_014576	5	CDS	29974	ACF	apobec-1 complementation factor
Hs.499705.1.13	chr10:60684113:60682765	60683483	c	NM_001001971	9	CDS	220965	FAM13C1	family with sequence similarity 13, member C1
Hs.499758.1.8	chr17:12773089:12785097	12773423	c	NM_014859	7	CDS	9912	KIAA0672	KIAA0672 gene product
Hs.499941.1.2	chr10:70913639:70914902	70913854	c	NM_012339	2	CDS	23555	TSPAN15	tetraspanin 15
Hs.49998.1.20	chr10:88475990:88482623	88476188	c	NM_007078	12	CDS	11155	LDB3	LIM domain binding 3
Hs.500066.1.19	chr17:32899759:32901670	32899868	c	NM_001488	11	CDS	6871	TADA2L	transcriptional adaptor 2 (ADA2 homolog, yeast)-like protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta)
Hs.500067.1.30	chr10:74897316:74884254	74896725	c	NM_021132	9	CDS	5532	PPP3CB	thyroid hormone receptor interactor 4
Hs.500340.1.21	chr15:62503408:62504791	62503618	c	NM_016213	10	CDS	9325	TRIP4	fer-1-like 3, myoferlin (C. elegans)
Hs.500572.1.75	chr10:95146993:95145972	95146929	c	NM_013451	15	CDS	26509	FER1L3	cyclin M2
Hs.500903.1.1	chr10:104669849:104799453	104669871	c	NM_017649	1	CDS	54805	CNNM2	NA
Hs.501048.1.4	chr18:31097474:31097203	31097258	c	AK131291	3	CDS	NA	NA	NA
Hs.501127.1.13	chr10:116921041:116965444	116921111	c	NM_207303	8	CDS	26033	ATRNL1	atractin-like 1
Hs.501203.1.9	chr10:121326581:121326253	121326479	c	NM_003252	10	CDS	7073	TIAL1	TIA1 cytotoxic granule-associated RNA binding protein-like 1
Hs.501252.1.2	chr10:123771520:123799942	123771736	c	NM_206861	2	CDS	10579	TACC2	transforming, acidic coiled-coil containing protein 2
Hs.501376.1.24	chr10:127485971:127476705	127485709	c	NM_000375	6	CDS	7390	UROS	uroporphyrinogen III synthase (congenital erythropoietic porphyria)
Hs.501928.1.22	chr11:12214369:12217558	12214738	c	NM_014632	16	CDS	9645	MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2
Hs.501991.1.15	chr11:13691157:13692631	13691207	c	NM_032228	8	CDS	84188	MLSTD2	male sterility domain containing 2
Hs.502235.1.12	chr11:31771561:31768985	31771329	c	NM_000280	11	CDS	5080	PAX6	paired box gene 6 (aniridia, keratitis)
Hs.502302.1.22	chr11:34446519:34449080	34446668	c	NM_001752	11	CDS	847	CAT	catalase
Hs.502328.1.11	chr11:35168189:35192974	35168218	c	NM_001001391	5	CDS	960	CD44	CD44 antigen (homing function and Indian blood group system)
Hs.502705.1.8	chr11:60421893:60415312	60421598	c	NM_014502	15	CDS	27339	PRPF19	PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae)
Hs.502745.1.24	chr11:61387835:61389199	61388277	c	NM_004265	10	CDS	9415	FADS2	fatty acid desaturase 2
Hs.503001.1.15	chr11:67691024:67683215	67690336	c	NM_017635	10	CDS	51111	SUV420H1	suppressor of variegation 4-20 homolog 1 (Drosophila)
Hs.503137.1.43	chr11:70887223:70889995	70887422	c	NM_018161	20	CDS	55191	NADSYN1	NAD synthetase 1
Hs.503178.1.103	chr2:54804877:54806391	54805027	c	NM_003128	33	CDS	6711	SPTBN1	spectrin, beta, non-erythrocytic 1
Hs.503178.1.91	chr2:54798788:54803240	54798971	c	NM_003128	31	CDS	6711	SPTBN1	spectrin, beta, non-erythrocytic 1
Hs.503222.1.20	chr11:73096112:73068414	73095947	c	NM_002869	6	CDS	5870	RAB6A	RAB6A, member RAS oncogene family
Hs.503368.1.16	chr11:77501343:77498276	77501078	c	NM_001007027	8	CDS	79053	ALG8	asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase)
Hs.503490.1.7	chr2:97206129:97210497	97206256	c	NM_198555	3	CDS	375248	ANKRD36	ankyrin repeat domain 36
Hs.503500.1.6	chr11:7466223:7487204	7466831	c	NM_198474	2	CDS	283298	OLFML1	olfactomedin-like 1
Hs.503560.1.7	chr11:89531055:89532054	89531573	c	NM_005467	7	CDS	10003	NAALAD2	N-acetylated alpha-linked acidic dipeptidase 2
Hs.503560.1.9	chr11:89541809:89542884	89542498	c	NM_005467	12	CDS	10003	NAALAD2	N-acetylated alpha-linked acidic dipeptidase 2
Hs.503776.1.6	chr2:135572122:135556219	135571494	c	NM_001018046	8	CDS	80122	YSK4	Yeast Sps1/Ste20-related kinase 4 (S. cerevisiae)
Hs.503776.1.7	chr2:135572122:135556219	135572016	c	NM_001018046	8	CDS	80122	YSK4	Yeast Sps1/Ste20-related kinase 4 (S. cerevisiae)
Hs.503891.1.21	chr11:113189816:113188437	113189687	c	NM_020886	15	CDS	57646	USP28	ubiquitin specific protease 28
Hs.504009.1.31	chr11:116785892:116786753	116786627	c	NM_014956	30	CDS	22897	Cep164	KIAA1052 protein
Hs.504062.1.11	chr11:118004577:118007133	118004793	c	NM_015157	7	CDS	23187	PHLDB1	pleckstrin homology-like domain, family B, member 1
Hs.504062.1.12	chr11:118004577:118007133	118004855	c	NM_015157	7	CDS	23187	PHLDB1	pleckstrin homology-like domain, family B, member 1

Hs.504091.1.28	chr11:118509140:118510003	118509530	c	NM_015517	10	CDS	25988	MIZF	MBD2 (methyl-CpG-binding protein)-interacting zinc finger protein
Hs.504096.1.6	chr11:118663867:118672837	118663987	c	NM_005188	12	CDS	867	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence
Hs.504317.1.3	chr2:230735965:230727753	230735889	c	NM_152527	4	CDS	151473	SLC16A14	solute carrier family 16 (monocarboxylic acid transporters), member 14
Hs.504352.1.11	chr11:131689808:131710149	131690174	c	NM_016522	6	CDS	50863	HNT	neurotrimin
Hs.504398.1.20	chr12:239277:223241	238432	c	NM_016615	2	CDS	6540	SLC6A13	solute carrier family 6 (neurotransmitter transporter, GABA), member 13
Hs.504432.1.5	chr12:806690:809429	806928	c	NM_018979	3	CDS	65125	WNK1	WNK lysine deficient protein kinase 1
Hs.504641.1.36	chr12:7542730:7540997	7542230	c	NM_004244	4	CDS	9332	CD163	CD163 antigen
Hs.50499.1.4	chr5:95020076:95018565	95019775	c	NM_031952	5	3UTR	83890	SPATA9	spermatogenesis associated 9
Hs.50499.1.6	chr5:95020076:95018565	95020061	c	NM_031952	5	3UTR	83890	SPATA9	spermatogenesis associated 9
Hs.505004.1.7	chr20:62165182:62168272	62165920	c	NM_003195	1	CDS	6919	TCEA2	transcription elongation factor A (SII), 2
Hs.505202.1.22	chr12:32382018:32382986	32382363	c	NM_001714	7	CDS	636	BICD1	bicaudal D homolog 1 (Drosophila)
Hs.505202.1.23	chr12:32382018:32382986	32382743	c	NM_001714	7	CDS	636	BICD1	bicaudal D homolog 1 (Drosophila)
Hs.505202.1.25	chr12:32411947:32421740	32412263	c	NM_001003398	8	3UTR	636	BICD1	bicaudal D homolog 1 (Drosophila)
Hs.505545.1.11	chr12:49668431:49661854	49667994	c	AF064484	16	CDS	4891	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2
Hs.505871.1.12	chr12:62902049:62896011	62901749	c	NM_152440	1	CDS	144577	FLJ32549	hypothetical protein FLJ32549
Hs.506222.1.7	chr12:81335039:81352973	81335334	c	NM_032230	8	CDS	84190	FLJ22789	hypothetical protein FLJ22789
Hs.506381.1.7	chr12:93982023:93980891	93981787	c	NM_018351	19	CDS	55785	FGD6	FYVE, RhoGEF and PH domain containing 6
Hs.506458.1.15	chr12:97669287:97647769	97669240	c	NM_020140	9	CDS	56899	EB-1	E2a-Pbx1-associated protein
Hs.50649.1.8	chr2:24215339:24214162	24215270	c	NM_004881	3	CDS	9540	TP53I3	tumor protein p53 inducible protein 3
Hs.506663.1.55	chr12:107457085:107445458	107456460	c	NM_014706	1	CDS	9733	SART3	squamous cell carcinoma antigen recognised by T cells 3
Hs.506720.1.5	chr3:127208654:127208106	127208357	c	NM_001008485	11	CDS	54946	SLC41A3	solute carrier family 41, member 3
Hs.506759.1.48	chr12:109246847:109250816	109247187	c	NM_001681	20	CDS	488	ATP2A2	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2
Hs.506759.1.51	chr12:109246847:109250816	109247311	c	NM_001681	20	CDS	488	ATP2A2	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2
Hs.506852.1.16	chr12:111387154:111388966	111387447	c	NM_002834	11	CDS	5781	PTPN11	protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)
Hs.506985.1.22	chr12:116935510:116934884	116935356	c	NM_018639	8	CDS	55884	WSB2	WD repeat and SOCS box-containing 2
Hs.507175.1.25	chr12:122212050:122211747	122211898	c	NM_022782	6	CDS	10198	MPHOSPH9	M-phase phosphoprotein 9
Hs.507307.1.10	chr12:131145732:131155851	131145787	c	NM_015409	12	CDS	57634	EP400	E1A binding protein p400
Hs.507307.1.38	chr12:131195087:131195445	131195327	c	NM_015409	35	CDS	57634	EP400	E1A binding protein p400
Hs.507333.1.24	chr12:132000242:131995486	131999888	c	AB027133	4	CDS	2802	GOLGA3	golgi autoantigen, golgin subfamily a, 3
Hs.507336.1.34	chr12:132074131:132064591	132073816	c	NM_018223	2	CDS	55743	CHFR	checkpoint with forkhead and ring finger domains
Hs.507433.1.25	chr13:19509050:19523572	19509205	c	NM_003453	13	CDS	7750	ZNF198	zinc finger protein 198
Hs.50749.1.16	chr7:99161282:99159054	99161012	c	NM_033017	1	CDS	89122	TRIM4	tripartite motif-containing 4
Hs.507621.1.57	chr13:27939039:27910483	27938600	c	NM_002019	3	CDS	2321	FLT1	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
Hs.507621.1.64	chr13:27966916:27939755	27965435	c	NM_002019	1	CDS	2321	FLT1	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
Hs.507669.1.36	chr13:31750686:31761769	31750709	c	NM_023037	58	CDS	10129	13CDNA73	hypothetical protein CG003
Hs.507669.1.38	chr13:31750686:31761769	31750976	c	NM_023037	58	CDS	10129	13CDNA73	hypothetical protein CG003
Hs.507704.1.17	chr13:32590201:32585069	32589685	c	NM_052851	8	CDS	90627	STARD13	START domain containing 13
Hs.507783.1.8	chr13:38516319:38519176	38516347	c	NM_001012754	5	CDS	387921	LOC387921	similar to RIKEN cDNA 8030451K01
Hs.507948.1.12	chr13:44965623:44968287	44966072	c	NM_031431	12	CDS	83548	COG3	component of oligomeric golgi complex 3
Hs.507991.1.9	chr4:145938596:145985287	145938613	c	NM_022475	4	CDS	64399	HHIP	hedgehog interacting protein

Hs.508010.1.4	chr13:48547502:48586791	48547563	c	AK056071	3	CDS	22862	FNDC3A	fibronectin type III domain containing 3A
Hs.508041.1.13	chr13:49521720:49516906	49521326	c	BC055417	4	CDS	8847	DLEU2	deleted in lymphocytic leukemia, 2
Hs.508148.1.29	chr10:27105999:27100025	27105561	c	NM_001012750	3	CDS	10006	ABI1	abl-interactor 1
Hs.508616.1.7	chr13:101319075:101177162	101319004	c	NM_004115	3	CDS	2259	FGF14	fibroblast growth factor 14
Hs.508623.1.7	chr13:102144719:102141316	102144225	c	NM_001010977	1	CDS	196541	LOC196541	OTTHUMP00000018663
Hs.508644.1.13	chr13:106009780:106007481	106009309	c	BC050434	2	CDS	55082	FLJ10154	hypothetical protein FLJ10154
Hs.508738.1.27	chr13:110731026:110733486	110731416	c	NM_003899	14	CDS	8874	ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7
Hs.508999.1.14	chr14:29169698:29168051	29169529	c	NM_002742	10	CDS	5587	PRKD1	protein kinase D1
Hs.509017.1.16	chr1:3768986:3766466	3768986	c	NM_014704	15	CDS	9731	GlyBP	glycine-, glutamate-, thienylcyclohexylpiperidine-binding protein
Hs.509017.1.22	chr1:3773582:3770944	3773392	c	NM_014704	12	CDS	9731	GlyBP	glycine-, glutamate-, thienylcyclohexylpiperidine-binding protein
Hs.509017.1.8	chr1:3756000:3755239	3755870	c	NM_014704	21	CDS	9731	GlyBP	glycine-, glutamate-, thienylcyclohexylpiperidine-binding protein
Hs.509083.1.15	chr14:32312851:32360358	32312958	c	NM_004274	12	CDS	9472	AKAP6	A kinase (PRKA) anchor protein 6
Hs.509140.1.15	chr14:34297660:34293872	34297523	c	NM_013448	25	CDS	11177	BAZ1A	bromodomain adjacent to zinc finger domain, 1A
Hs.509140.1.45	chr14:34319142:34315473	34319073	c	NM_013448	17	CDS	11177	BAZ1A	bromodomain adjacent to zinc finger domain, 1A
Hs.509163.1.11	chr5:172274448:172283613	172277944	c	BC012766	5	CDS	57222	KIAA1181	endoplasmic reticulum-golgi intermediate compartment 32 kDa protein
Hs.509343.1.9	chr14:52396040:52395019	52395774	c	NM_006832	14	CDS	10979	PLEKHC1	pleckstrin homology domain containing, family C (with FERM domain) member 1
Hs.509451.1.12	chr14:57760328:57766869	57760388	c	NM_018477	10	CDS	55860	ACTR10	actin-related protein 10 homolog (S. cerevisiae)
Hs.509451.1.4	chr14:57745579:57747762	57745654	c	NM_018477	4	CDS	55860	ACTR10	actin-related protein 10 homolog (S. cerevisiae)
Hs.509499.1.26	chr14:59662295:59670440	59662608	c	NM_022495	5	CDS	64430	C14orf135	chromosome 14 open reading frame 135
Hs.509545.1.15	chr6:32262996:32262657	32262731	c	NM_002586	6	CDS	5089	PBX2	pre-B-cell leukemia transcription factor 2
Hs.509622.1.9	chr6:33368770:33368300	33368661	c	NM_004761	16	CDS	5863	RGL2	ral guanine nucleotide dissociation stimulator-like 2
Hs.509699.1.11	chr14:66816008:66828980	66816397	c	NM_022474	3	CDS	64398	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)
Hs.509780.1.36	chr14:68655663:68654749	68655487	c	NM_003861	3	CDS	8816	WDR22	WD repeat domain 22
Hs.510225.1.14	chr14:90430509:90426776	90430071	c	NM_004755	13	CDS	9252	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5
Hs.510334.1.6	chr14:94124072:94126130	94124097	c	NM_000624	3	CDS	5104	SERPINA5	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5
Hs.510368.1.8	chr14:95204671:95205640	95205476	c	NM_020550	2	3UTR	27004	TCL6	T-cell leukemia/lymphoma 6
Hs.510368.1.9	chr14:95205708:95207420	95206502	c	NM_014418	2	3UTR	27004	TCL6	T-cell leukemia/lymphoma 6
Hs.510402.1.12	chr1:204328936:204329518	204329115	c	NM_153826	6	CDS	4179	MCP	membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen)
Hs.510407.1.31	chr14:98949040:98946306	98947369	c	NM_199123	8	CDS	84193	C14orf154	chromosome 14 open reading frame 154
Hs.510533.1.25	chr14:102479980:102476415	102479929	c	NM_006035	30	CDS	9578	CDC42BPB	CDC42 binding protein kinase beta (DMPK-like)
Hs.510745.1.9	chr7:44393931:44392468	44392736	c	NM_182547	4	CDS	222068	TMED4	transmembrane emp24 protein transport domain containing 4
Hs.510833.1.71	chr15:27880140:27852853	27879991	c	NM_003257	2	CDS	7082	TJP1	tight junction protein 1 (zona occludens 1)
Hs.510938.1.21	chr15:32243052:32234178	32242539	c	NM_024713	2	CDS	79768	C15orf29	chromosome 15 open reading frame 29
Hs.510938.1.23	chr15:32289443:32243184	32288027	c	NM_024713	1	5UTR	79768	C15orf29	chromosome 15 open reading frame 29
Hs.511069.1.7	chr15:38854520:38853927	38854383	c	NM_018163	8	CDS	55192	DNAJC17	DnaJ (Hsp40) homolog, subfamily C, member 17
Hs.511096.1.21	chr15:39557006:39558037	39557068	c	NM_015138	14	CDS	23168	RTF1	Rtf1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)

Hs.51143.1.55	chr15:40529260:40528196	40529148	c	NM_022473	2	CDS	64397	ZFP106	zinc finger protein 106 homolog (mouse)
Hs.511251.1.9	chr15:43753292:43755590	43753507	c	NM_021199	5	CDS	58472	SQRDL	sulfide quinone reductase-like (yeast)
Hs.511311.1.12	chr15:48059105:48052280	48058902	c	NM_024837	12	CDS	79895	ATP8B4	ATPase, Class I, type 8B, member 4
Hs.511311.1.6	chr15:47976780:47958949	47976672	c	NM_024837	23	CDS	79895	ATP8B4	ATPase, Class I, type 8B, member 4
Hs.511367.1.13	chr15:49291808:49290546	49291767	c	NM_000103	9	CDS	1588	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1
Hs.511367.1.17	chr15:49294558:49292051	49294523	c	NM_000103	8	CDS	1588	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1
Hs.511367.1.27	chr15:49301837:49298145	49300868	c	NM_000103	5	CDS	1588	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1
Hs.511386.1.23	chr15:49542867:49538285	49542569	c	NM_015263	33	CDS	23312	DMXL2	Dmx-like 2
Hs.511476.1.13	chr15:54474325:54491791	54477831	c	NM_198524	9	CDS	374618	TEX9	testis expressed sequence 9
Hs.511476.1.17	chr15:54507964:54525160	54508173	c	NM_198524	12	3UTR	374618	TEX9	testis expressed sequence 9
Hs.511477.1.18	chr15:54768530:54761968	54768279	c	NM_001002843	8	CDS	54816	SUHW4	suppressor of hairy wing homolog 4 (Drosophila)
Hs.511477.1.24	chr15:54780422:54772706	54777247	c	NM_001002843	5	CDS	54816	SUHW4	suppressor of hairy wing homolog 4 (Drosophila)
Hs.511477.1.25	chr15:54780422:54772706	54778850	c	NM_001002843	5	CDS	54816	SUHW4	suppressor of hairy wing homolog 4 (Drosophila)
Hs.511477.1.26	chr15:54780422:54772706	54779311	c	NM_001002843	5	CDS	54816	SUHW4	suppressor of hairy wing homolog 4 (Drosophila)
Hs.511477.1.9	chr15:54733687:54722488	54731978	c	NM_001002843	18	CDS	54816	SUHW4	suppressor of hairy wing homolog 4 (Drosophila)
Hs.511668.1.45	chr15:59991330:59989797	59991267	c	NM_017684	61	CDS	54832	VPS13C	vacuolar protein sorting 13C (yeast)
Hs.511686.1.32	chr15:60863143:60871892	60864090	c	NM_015059	43	CDS	83660	TLN2	talin 2
Hs.511790.1.2	chr15:72687821:72698590	72688118	c	NM_001292	1	5UTR	1198	CLK3	CDC-like kinase 3
Hs.511847.1.6	chr19:54594577:54601954	54594871	c	NM_144688	7	CDS	147872	FLJ32658	hypothetical protein FLJ32658
Hs.511916.1.12	chr1:147411190:147408409	147410576	c	NM_004436	3	CDS	2029	ENSA	endosulfine alpha
Hs.511916.1.23	chr1:147413015:147411358	147412602	c	NM_004436	2	CDS	2029	ENSA	endosulfine alpha
Hs.511951.1.10	chr12:121949537:121944859	121948878	c	NM_019624	8	CDS	23457	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9
Hs.511978.1.1	chr15:41880678:41881007	41880678	c	NM_016400	2	CDS	25764	HYPK	Huntingtin interacting protein K
Hs.512147.1.6	chr7:44346269:44345057	44346066	c	NM_013389	8	CDS	29881	NPC1L1	NPC1 (Niemann-Pick disease, type C1, gene)-like 1
Hs.512461.1.24	chr9:129970595:129976857	129971857	c	NM_020960	17	CDS	57720	GPR107	G protein-coupled receptor 107
Hs.512466.1.5	chr9:133290445:133295094	133290759	c	AK131545	9	5UTR	169436	C9orf96	chromosome 9 open reading frame 96
Hs.512564.1.2	chr9:137376599:137382790	137376791	c	NM_014434	2	CDS	27158	NDOR1	NADPH dependent diflavin oxidoreductase 1
Hs.512606.1.21	chr2:238781896:238784501	238782116	c	NM_016510	8	CDS	51540	SCLY	selenocysteine lyase
Hs.512606.1.22	chr2:238781896:238784501	238782164	c	NM_016510	8	CDS	51540	SCLY	selenocysteine lyase
Hs.512606.1.24	chr2:238781896:238784501	238782703	c	NM_016510	8	CDS	51540	SCLY	selenocysteine lyase
Hs.512606.1.29	chr2:238785164:238787441	238785490	c	NM_016510	10	CDS	51540	SCLY	selenocysteine lyase
Hs.512606.1.9	chr2:238760119:238772349	238760477	c	NM_016510	4	CDS	51540	SCLY	selenocysteine lyase
Hs.512627.1.16	chr8:19725836:19726593	19725856	c	NM_018142	7	CDS	55174	C8orf35	chromosome 8 open reading frame 35
Hs.512627.1.39	chr8:19747589:19753439	19747705	c	NM_018142	16	CDS	55174	C8orf35	chromosome 8 open reading frame 35
Hs.512660.1.5	chr21:10080031:10071493	10078517	c	NM_182481	3	CDS	85318	BAGE3	B melanoma antigen family, member 3
Hs.512691.1.3	chr14:58997442:58995476	58997235	c	NM_022571	3	3UTR	64582	GPR135	G protein-coupled receptor 135
Hs.512715.1.4	chr8:31053346:31057924	31053669	c	NM_000553	8	CDS	7486	WRN	Werner syndrome
Hs.512743.1.19	chr4:101201374:101187232	101201347	c	NM_024920	2	CDS	79982	DNAJB14	DnaJ (Hsp40) homolog, subfamily B, member 14
Hs.512744.1.2	chr2:71118129:71118445	71118233	c	NM_024933	2	CDS	79998	FLJ12056	hypothetical protein FLJ12056
Hs.512797.1.13	chr19:16126302:16129019	16126472	c	NM_032855	7	CDS	84941	HS2D	hematopoietic SH2 domain containing
Hs.512894.1.40	chr15:48684354:48678786	48683436	c	NM_017672	21	CDS	54822	TRPM7	transient receptor potential cation channel, subfamily M, member 7
Hs.512914.1.8	chr13:40830610:40830945	40830852	c	NM_024561	11	CDS	79612	NARG1L	NMDA receptor regulated 1-like

Hs.513008.1.10	chr15:70424840:70423536	70424630	c	NM_000520	13	CDS	3073	HEXA	hexosaminidase A (alpha polypeptide)
Hs.513039.1.57	chr15:73502040:73493706	73501754	c	NM_015477	3	CDS	25942	SIN3A	SIN3 homolog A, transcription regulator (yeast)
Hs.513195.1.13	chr15:97513875:97497196	97513091	c	NM_022905	11	CDS	64927	HCC-8	proto-oncogene 8
Hs.513207.1.4	chr15:99386961:99403708	99387271	c	NM_024652	6	CDS	79705	LRRK1	leucine-rich repeat kinase 1
Hs.513285.1.1	chr16:3022745:3024899	3022773	c	AK128093	2	5UTR	146439	LOC146439	hypothetical LOC146439
Hs.513292.1.7	chr16:3301950:3302677	3302366	c	NM_153028	2	5UTR	7627	ZNF75A	zinc finger protein 75a
Hs.513343.1.2	chr16:10387481:10430225	10389096	c	BC033891	1	5UTR	80063	ATF7IP2	activating transcription factor 7 interacting protein 2
Hs.513439.1.22	chr14:87499480:87486846	87499411	c	NM_000153	11	CDS	2581	GALC	galactosylceramidase (Krabbe disease)
Hs.513488.1.1	chr16:29739333:29749336	29741308	c	NM_005115	1	5UTR	9961	MVP	major vault protein
Hs.513498.1.23	chr16:30288049:30284417	30287736	c	NM_015527	1	CDS	26000	TBC1D10B	TBC1 domain family, member 10B
Hs.513726.1.11	chr1:89444660:89444293	89444295	c	NM_052942	6	CDS	115362	GBP5	guanylate binding protein 5
Hs.513779.1.24	chr16:83471692:83480336	83471832	c	NM_031476	13	CDS	83716	CRISPLD2	cysteine-rich secretory protein LCCL domain containing 2
Hs.513779.1.9	chr16:83437012:83440491	83437257	c	NM_031476	3	CDS	83716	CRISPLD2	cysteine-rich secretory protein LCCL domain containing 2
Hs.513902.1.20	chr17:5380894:5378033	5380702	c	NM_014922	8	CDS	22861	NALP1	NACHT, leucine rich repeat and PYD (pyrin domain) containing 1
Hs.513902.1.3	chr17:5345780:5343995	5345447	c	BC051787	16	3UTR	22861	NALP1	NACHT, leucine rich repeat and PYD (pyrin domain) containing 1
Hs.513954.1.19	chr15:81617170:81611118	81617107	c	NM_016073	4	CDS	50810	HDGFRP3	hepatoma-derived growth factor, related protein 3
Hs.513965.1.6	chr17:15588492:15590116	15588818	c	NM_178571	15	3UTR	353149	MGC51025	hypothetical protein MGC51025
Hs.513975.1.12	chr17:17065575:17063249	17065210	c	NM_144997	8	CDS	201163	FLCN	folliculin
Hs.513975.1.13	chr17:17065575:17063249	17065280	c	NM_144997	8	CDS	201163	FLCN	folliculin
Hs.513977.1.1	chr17:17147857:17150581	17148200	c	NM_020201	1	CDS	56953	NT5M	5',3'-nucleotidase, mitochondrial
Hs.514242.1.12	chr17:40886503:40883913	40886087	c	NM_014798	7	CDS	9842	PLEKHM1	pleckstrin homology domain containing, family M (with RUN domain) member 1
Hs.514303.1.12	chr17:44839119:44837566	44839114	c	NM_002634	6	CDS	5245	PHB	prohibitin
Hs.514412.1.42	chr17:59817353:59804981	59815292	c	NM_000442	2	CDS	5175	PECAM1	platelet/endothelial cell adhesion molecule (CD31 antigen)
Hs.514477.1.19	chr17:71072184:71076151	71072397	c	NM_004524	10	CDS	3993	LLGL2	lethal giant larvae homolog 2 (Drosophila)
Hs.514560.1.9	chr17:76586816:76587492	76587059	c	NM_024591	7	CDS	79643	CHMP6	chromatin modifying protein 6
Hs.514662.1.4	chr1:109092213:109085315	109091388	c	AK095517	8	CDS	254268	C1orf62	chromosome 1 open reading frame 62
Hs.514806.1.3	chr18:31497765:31511552	31498479	c	NM_020474	2	CDS	2589	GALNT1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAc-T1)
Hs.514846.1.17	chr18:42661919:42655034	42661719	c	NM_004671	11	CDS	9063	PIAS2	protein inhibitor of activated STAT, 2
Hs.514846.1.24	chr18:42670317:42663829	42670207	c	NM_004671	9	CDS	9063	PIAS2	protein inhibitor of activated STAT, 2
Hs.514913.1.10	chr18:59716059:59719953	59716660	c	NM_002575	5	CDS	5055	SERPINB2	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2
Hs.515046.1.8	chr19:2688045:2684484	2685526	c	NM_144564	2	CDS	29985	SLC39A3	solute carrier family 39 (zinc transporter), member 3
Hs.515081.1.36	chr19:4645672:4641970	4645341	c	NM_139159	13	CDS	91039	DPP9	dipeptidylpeptidase 9
Hs.515130.1.7	chr1:115918932:115937026	115919432	c	NM_138959	3	CDS	81839	VANGL1	vang-like 1 (van gogh, Drosophila)
Hs.515214.1.1	chr19:14571995:14581875	14572188	c	NM_207390	11	CDS	388512	FLJ45910	FLJ45910 protein
Hs.515271.1.7	chr19:18965456:18962959	18964895	c	BC020586	11	3UTR	10147	SFRS14	splicing factor, arginine/serine-rich 14
Hs.515474.1.14	chr19:50980691:50979814	50980354	c	NM_004943	3	CDS	1762	DMWD	dystrophia myotonica-containing WD repeat motif
Hs.515474.1.22	chr19:50986002:50981970	50985782	c	NM_004943	2	CDS	1762	DMWD	dystrophia myotonica-containing WD repeat motif
Hs.515607.1.41	chr19:60315646:60306749	60314555	c	NM_017607	3	CDS	54776	PPP1R12C	protein phosphatase 1, regulatory (inhibitor) subunit 12C

Hs.515837.1.12	chr1:143518665:143517833	143518482	c	NM_183372	12	CDS	200030	LOC200030	hypothetical protein LOC200030
Hs.515840.1.42	chr2:25416960:25410064	25415972	c	NM_022552	4	CDS	1788	DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha
Hs.515951.1.13	chr2:219965:214921	219894	c	BC008374	7	CDS	26751	SH3YL1	SH3 domain containing, Ysc84-like 1 (S. cerevisiae)
Hs.515985.1.10	chr2:48610158:48613472	48610240	c	NM_152994	11	CDS	129285	LOC129285	smooth muscle myosin heavy chain 11 isoform SM1-like
Hs.516075.1.35	chr2:70355668:70355283	70355455	c	NM_022037	7	CDS	7072	TIA1	TIA1 cytotoxic granule-associated RNA binding protein
Hs.516075.1.41	chr2:70363336:70355778	70363209	c	NM_022037	6	CDS	7072	TIA1	TIA1 cytotoxic granule-associated RNA binding protein
Hs.516114.1.10	chr2:74598832:74599002	74598957	c	NM_012477	3	CDS	23559	WBP1	WW domain binding protein 1
Hs.516179.1.16	chr2:88321855:88324331	88322238	c	NM_018271	7	CDS	55258	FLJ10916	hypothetical protein FLJ10916
Hs.516179.1.7	chr2:88314183:88317563	88315922	c	NM_018271	4	CDS	55258	FLJ10916	hypothetical protein FLJ10916
Hs.516182.1.61	chr2:55755930:55754294	55754942	c	NM_020463	1	CDS	57223	KIAA1387	KIAA1387 protein
Hs.516249.1.11	chr2:102240283:102241090	102240348	c	NM_000877	4	CDS	3554	IL1R1	interleukin 1 receptor, type I
Hs.516278.1.19	chr1:147730658:147732434	147730863	c	D31891	9	CDS	9869	SETDB1	SET domain, bifurcated 1
Hs.516278.1.53	chr1:147749291:147749543	147749400	c	D31891	20	CDS	9869	SETDB1	SET domain, bifurcated 1
Hs.516341.1.31	chr2:96691860:96690474	96691661	c	NM_017991	17	CDS	55683	FLJ10081	hypothetical protein FLJ10081
Hs.516390.1.7	chr2:130843994:130844359	130844223	c	NM_014369	8	CDS	26469	PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)
Hs.516490.1.2	chr2:161861780:161885504	161862103	c	NM_004180	2	CDS	10010	TANK	TRAF family member-associated NFKB activator
Hs.516490.1.8	chr2:161886812:161905932	161886997	c	NM_004180	4	CDS	10010	TANK	TRAF family member-associated NFKB activator
Hs.516539.1.5	chr2:177906424:177906737	177906602	c	NM_194247	4	CDS	220988	HNRPA3	heterogeneous nuclear ribonucleoprotein A3
Hs.516629.1.16	chr2:203509929:203507773	203509834	c	NM_138468	5	CDS	130026	ALS2CR15	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 15
Hs.516632.1.21	chr2:183422776:183430531	183422970	c	AY358577	10	CDS	54431	DNAJC10	DnaJ (Hsp40) homolog, subfamily C, member 10
Hs.516646.1.18	chr2:208267886:208287143	208268295	c	NM_004379	7	CDS	1385	CREB1	cAMP responsive element binding protein 1
Hs.516651.1.1	chr2:190367324:190379758	190367727	c	AK126073	2	CDS	150709	FLJ25415	hypothetical protein FLJ25415
Hs.516711.1.14	chr2:220231842:220231353	220231692	c	NM_024536	2	CDS	79586	CHPF	chondroitin polymerizing factor
Hs.516769.1.2	chr2:233353165:233362523	233353501	c	NM_025202	2	CDS	80303	EFHD1	EF-hand domain family, member D1
Hs.516775.1.21	chr1:152547863:152546429	152547648	c	AB046826	1	CDS	54856	FLJ20203	hypothetical protein FLJ20203
Hs.516790.1.52	chr1:152752019:152749752	152751067	c	NM_004723	2	CDS	9181	ARHGEF2	rho/rac guanine nucleotide exchange factor (GEF) 2
Hs.516802.1.13	chr2:241380320:241379334	241380030	c	NM_004321	43	CDS	547	KIF1A	kinesin family member 1A
Hs.516859.1.6	chr20:3836926:3839223	3837272	c	NM_024960	2	CDS	80025	PANK2	pantothenate kinase 2 (Hallervorden-Spatz syndrome)
Hs.516866.1.12	chr20:4798551:4796522	4798234	c	NM_005116	12	CDS	9962	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2
Hs.516989.1.5	chr20:31808790:31810182	31808951	c	NM_032819	6	CDS	84905	ZNF341	zinc finger protein 341
Hs.517033.1.19	chr20:36199928:36194317	36199863	c	NM_004613	10	CDS	7052	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)
Hs.517033.1.20	chr20:36199928:36194317	36199924	c	NM_004613	10	CDS	7052	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)
Hs.517034.1.2	chr20:32934454:32964559	32934460	c	NM_018677	2	CDS	55902	ACAS2	acetyl-Coenzyme A synthetase 2 (ADP forming)
Hs.517080.1.19	chr20:44417847:44417288	44417781	c	NM_015945	5	CDS	51006	SLC35C2	solute carrier family 35, member C2
Hs.517145.1.38	chr1:8864776:8862383	8864756	c	NM_001428	4	CDS	2023	ENO1	enolase 1, (alpha)
Hs.517168.1.9	chr1:156708312:156703401	156708257	c	NM_003564	1	5UTR	8407	TAGLN2	transgelin 2
Hs.517240.1.8	chr21:33721210:33726353	33721213	c	NM_005534	4	CDS	3460	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)
Hs.517262.1.39	chr21:33861444:33863146	33861643	c	NM_003103	8	CDS	6651	SON	SON DNA binding protein

Hs.517284.1.5	chr21:39716771:39714640	39715863	c	NM_152505	5	CDS	150082	C21orf13	chromosome 21 open reading frame 13
Hs.517366.1.2	chr21:46435407:46433164	46433472	c	NM_001001438	22	3UTR	4047	LSS	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)
Hs.517438.1.37	chr22:28542877:28536617	28542663	c	NM_032204	5	CDS	84164	ASCC2	activating signal cointegrator 1 complex subunit 2
Hs.517478.1.44	chr22:22812352:22816447	22812521	c	NM_012295	24	CDS	23523	CABIN1	calcineurin binding protein 1
Hs.517546.1.20	chr22:29614543:29626377	29614736	c	NM_030758	12	CDS	23762	OSBP2	oxysterol binding protein 2
Hs.517546.1.21	chr22:29614543:29626377	29615009	c	NM_030758	12	CDS	23762	OSBP2	oxysterol binding protein 2
Hs.517559.1.34	chr22:30174719:30170901	30174600	c	BC032941	9	CDS	56478	EIF4ENIF1	eukaryotic translation initiation factor 4E nuclear import factor 1
Hs.517786.1.5	chr3:9965441:9964686	9965264	c	NM_207351	3	CDS	285368	FLJ33674	hypothetical protein FLJ33674
Hs.517820.1.12	chr3:14672141:14675381	14672141	c	NM_016474	3	5UTR	51244	C3orf19	chromosome 3 open reading frame 19
Hs.517830.1.11	chr3:15658569:15660826	15658754	c	NM_000060	3	CDS	686	BTD	biotinidase
Hs.517948.1.26	chr3:47858232:47859599	47859178	c	NM_014966	9	CDS	22907	DHX30	DEAH (Asp-Glu-Ala-His) box polypeptide 30
Hs.518000.1.27	chr3:52829686:52829374	52829448	c	NM_002218	13	CDS	3700	ITI4	inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein)
Hs.518200.1.12	chr3:123737704:123730281	123733316	c	NM_031458	10	CDS	83666	PARP9	poly (ADP-ribose) polymerase family, member 9
Hs.518247.1.4	chr3:130172827:130170946	130172477	c	AK125726	1	5UTR	57501	KIAA1257	KIAA1257
Hs.518247.1.5	chr3:130172827:130170946	130172524	c	AK125726	1	5UTR	57501	KIAA1257	KIAA1257
Hs.518355.1.26	chr3:159882649:159885014	159882924	c	NM_024996	14	CDS	85476	GFM1	G elongation factor, mitochondrial 1
Hs.518403.1.7	chr3:198167001:198163867	198166765	c	NM_025163	2	CDS	80235	SMP3	SMP3 mannosyltransferase
Hs.518460.1.24	chr3:185383359:185383971	185383788	c	NM_004068	11	CDS	1173	AP2M1	adaptor-related protein complex 2, mu 1 subunit
Hs.518618.1.11	chr4:47523085:47521000	47522476	c	NM_006587	8	CDS	10699	CORIN	corin, serine protease
Hs.518618.1.15	chr4:47649847:47629871	47649804	c	NM_006587	2	CDS	10699	CORIN	corin, serine protease
Hs.518618.1.4	chr4:47486090:47484995	47485785	c	NM_006587	15	CDS	10699	CORIN	corin, serine protease
Hs.518662.1.16	chr1:181532637:181524534	181532203	c	NM_022083	6	CDS	116496	C1orf24	chromosome 1 open reading frame 24
Hs.518750.1.6	chr4:48691392:48692891	48691457	c	NM_017830	5	CDS	54940	OCIAD1	OCIA domain containing 1
Hs.518760.1.18	chr4:54135279:54149747	54135316	c	NM_030917	13	CDS	81608	FIP1L1	FIP1 like 1 (S. cerevisiae)
Hs.518892.1.7	chr4:100487002:100485917	100486747	c	NM_000672	6	CDS	130	ADH6	alcohol dehydrogenase 6 (class V)
Hs.51891.1.27	chr10:69396445:69388900	69396378	c	NM_022079	16	CDS	26091	HERC4	hect domain and RLD 4
Hs.518921.1.1	chr4:107206190:107215769	107206342	c	NM_198278	3	CDS	255743	NPNT	likely ortholog of mouse nephronectin
Hs.519294.1.49	chr5:127692286:127682593	127691892	c	NM_001999	34	CDS	2201	FBN2	fibrillin 2 (congenital contractural arachnodactyly)
Hs.519304.1.10	chr5:52197409:52213461	52197520	c	NM_181501	6	CDS	3672	ITGA1	integrin, alpha 1
Hs.519337.1.3	chr5:137504292:137503755	137504215	c	NM_139199	26	CDS	10902	BRD8	bromodomain containing 8
Hs.519346.1.17	chr5:65380366:65382366	65380435	c	NM_001006600	19	CDS	55914	ERBB2IP	erb2 interacting protein
Hs.519574.1.19	chr5:132188608:132188413	132188523	c	NM_133456	2	CDS	134549	APXL2	apical protein 2
Hs.519632.1.24	chr5:140987643:140986035	140987305	c	NM_003883	10	CDS	8841	HDAC3	histone deacetylase 3
Hs.519702.1.14	chr5:156663953:156667346	156664368	c	NM_014376	8	CDS	26999	CYFIP2	cytoplasmic FMR1 interacting protein 2
Hs.519756.1.33	chr5:171453020:171449972	171452236	c	NM_005990	9	CDS	6793	STK10	serine/threonine kinase 10
Hs.519866.1.6	chr6:6594910:6599775	6595112	c	NM_004271	4	CDS	9450	LY86	lymphocyte antigen 86
Hs.519972.1.16	chr6:29802761:29803712	29803052	c	AK125274	7	CDS	3134	HLA-F	major histocompatibility complex, class I, F
Hs.520087.1.4	chr6:34603244:34604396	34603469	c	NM_020804	3	CDS	29993	PACSN1	protein kinase C and casein kinase substrate in neurons 1
Hs.520106.1.6	chr6:38959211:38959629	38959545	c	NM_001371	53	CDS	1769	DNAH8	dynein, axonemal, heavy polypeptide 8
Hs.520136.1.47	chr6:43125122:43124286	43124821	c	NM_014780	7	CDS	9820	CUL7	cullin 7
Hs.520182.1.16	chr6:52488762:52482344	52488365	c	NM_012288	4	CDS	9697	TRAM2	translocation associated membrane protein 2
Hs.520205.1.14	chr7:5839599:5837674	5839575	c	NM_014413	14	CDS	27102	EIF2AK1	eukaryotic translation initiation factor 2-alpha kinase 1
Hs.520210.1.14	chr7:6287054:6282626	6286949	c	NM_006854	2	CDS	11014	KDELR2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2
Hs.520244.1.1	chr7:21241651:21242146	21241758	c	NM_003112	2	CDS	6671	SP4	Sp4 transcription factor

Hs.520287.1.34	chr6:99965337:99963942	99964957	c	NM_032870	3	CDS	25957	C6orf111	chromosome 6 open reading frame 111
Hs.520287.1.35	chr6:99965337:99963942	99965172	c	NM_032870	3	CDS	25957	C6orf111	chromosome 6 open reading frame 111
Hs.520321.1.4	chr6:111605562:111634487	111605628	c	NM_018593	3	CDS	117247	SLC16A10	solute carrier family 16 (monocarboxylic acid transporters), member 10
Hs.520459.1.32	chr7:73575922:73587774	73576037	c	NM_001518	10	CDS	2969	GTF2I	general transcription factor II, i
Hs.520459.1.76	chr7:73617837:73618528	73618093	c	NM_001518	32	3UTR	2969	GTF2I	general transcription factor II, i
Hs.520583.1.2	chr6:168006549:168004733	168006056	c	NM_014356	4	3UTR	26238	C6orf123	chromosome 6 open reading frame 123
Hs.520627.1.19	chr7:2420103:2422918	2420430	c	NM_152558	21	CDS	23288	IQCE	IQ motif containing E
Hs.520708.1.14	chr7:24515618:24512119	24515286	c	NM_004403	9	CDS	1687	DFNA5	deafness, autosomal dominant 5
Hs.520715.1.12	chr7:26309079:26309855	26309227	c	AK056484	6	3UTR	441204	LOC441204	LOC441204
Hs.520715.1.6	chr7:26307124:26307878	26307204	c	AK056484	4	3UTR	441204	LOC441204	LOC441204
Hs.520794.1.9	chr7:44021038:44023861	44021615	c	NM_006555	5	CDS	10652	YKT6	SNARE protein Ykt6
Hs.520814.1.16	chr7:47109919:47106667	47109817	c	NM_022748	24	CDS	64759	TNS3	tensin 3
Hs.520814.1.31	chr7:47241149:47237023	47240810	c	NM_022748	9	CDS	64759	TNS3	tensin 3
Hs.520819.1.9	chr7:154531049:154531610	154531540	c	NM_005542	3	CDS	3638	INSIG1	insulin induced gene 1
Hs.521083.1.13	chr7:99798010:99804532	99798641	c	NM_006076	6	CDS	3268	HRBL	HIV-1 Rev binding protein-like
Hs.521086.1.7	chr7:99855981:99857140	99856066	c	NM_023948	3	CDS	64598	MOSPD3	motile sperm domain containing 3
Hs.521296.1.15	chr7:149993785:149995236	149994139	c	NM_001091	3	CDS	26	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))
Hs.521419.1.22	chr8:17188308:17196866	17188487	c	NM_152415	11	CDS	137492	FLJ32642	hepatocellular carcinoma related protein 1
Hs.521487.1.16	chr8:30059904:30051114	30059791	c	NM_016127	1	CDS	51669	TMEM66	transmembrane protein 66
Hs.521693.1.33	chr8:95954882:95955955	95955152	c	NM_017864	22	CDS	55656	FLJ20530	hypothetical protein FLJ20530
Hs.521800.1.5	chr8:124307920:124301719	124307618	c	NM_032847	5	CDS	84933	FLJ14825	hypothetical protein FLJ14825
Hs.521989.1.6	chr9:5453122:5455498	5453238	c	NM_014143	4	CDS	29126	CD274	CD274 antigen
Hs.522019.1.11	chr9:18670515:18671809	18671481	c	NM_052866	11	CDS	92949	ADAMTSL1	ADAMTS-like 1
Hs.522019.1.12	chr9:18674799:18696744	18674955	c	NM_139238	13	CDS	92949	ADAMTSL1	ADAMTS-like 1
Hs.522019.1.3	chr9:18564265:18612240	18564525	c	NM_052866	4	CDS	92949	ADAMTSL1	ADAMTS-like 1
Hs.522114.1.17	chr9:36194177:36201599	36194239	c	NM_001833	4	CDS	1211	CLTA	clathrin, light polypeptide (Lca)
Hs.522147.1.2	chr9:40502765:40497903	40500695	c	BC031626	5	CDS	26149	ZNF658	zinc finger protein 658
Hs.522172.1.14	chrX:148391301:148387795	148391026	c	NM_032508	4	CDS	84548	FAM11A	family with sequence similarity 11, member A
Hs.522172.1.16	chrX:148391301:148387795	148391254	c	NM_032508	4	CDS	84548	FAM11A	family with sequence similarity 11, member A
Hs.522373.1.11	chr9:121152678:121154170	121152915	c	NM_000177	4	CDS	2934	GSN	gelsolin (amyloidosis, Finnish type)
Hs.522384.1.24	chr1:16366583:16328561	16364125	c	NM_018994	4	CDS	54455	FBXO42	F-box protein 42
Hs.522418.1.34	chr9:128381532:128382107	128381710	c	NM_001003722	14	CDS	2733	GLE1L	GLE1 RNA export mediator-like (yeast)
Hs.522484.1.20	chr9:135216297:135224539	135216733	c	NM_014279	4	CDS	10439	OLFM1	olfactomedin 1
Hs.522616.1.18	chrX:44694851:44698074	44694851	c	NM_021140	20	CDS	7403	UTX	ubiquitously transcribed tetratricopeptide repeat, X chromosome
Hs.522663.1.7	chrX:54356764:54355869	54356345	c	NM_004463	17	CDS	2245	FGD1	FYVE, RhoGEF and PH domain containing 1 (faciogenital dysplasia)
Hs.522672.1.8	chrX:56904176:56893933	56900287	c	NM_001010862	2	CDS	169981	SPIN3	spindlin family, member 3
Hs.522675.1.13	chrX:64523602:64521367	64523334	c	AK074087	10	3UTR	81887	LAS1L	LAS1-like (S. cerevisiae)
Hs.522805.1.20	chrX:149616484:149615335	149615942	c	NM_031462	8	CDS	83692	CD99L2	CD99 antigen-like 2
Hs.522895.1.15	chr10:44806524:44807358	44806768	c	NM_032023	9	CDS	83937	RASSF4	Ras association (RalGDS/AF-6) domain family 4
Hs.522988.1.13	chr10:70691057:70695346	70691260	c	NM_025130	16	CDS	80201	HKDC1	hexokinase domain containing 1
Hs.522988.1.14	chr10:70691057:70695346	70691399	c	NM_025130	16	CDS	80201	HKDC1	hexokinase domain containing 1
Hs.522988.1.8	chr10:70678491:70680051	70678715	c	NM_025130	10	CDS	80201	HKDC1	hexokinase domain containing 1
Hs.523145.1.13	chr1:20725425:20724771	20725297	c	NM_005216	8	CDS	1650	DDOST	dolichyl-diphosphooligosaccharide-protein glycosyltransferase
Hs.523230.1.24	chr10:103334348:103333429	103334097	c	NM_013274	5	CDS	27343	POLL	polymerase (DNA directed), lambda
Hs.523262.1.12	chr1:54223385:54221220	54223180	c	NM_004872	3	CDS	9528	TMEM59	transmembrane protein 59
Hs.523413.1.5	chr1:24137686:24135956	24137443	c	NM_152372	21	CDS	127294	MYOM3	myomesin family, member 3
Hs.523442.1.6	chr1:24491437:24511967	24491914	c	NM_020448	2	CDS	57185	NPAL3	NIPA-like domain containing 3
Hs.523446.1.27	chr1:103139442:103124534	103139322	c	NM_001854	41	CDS	1301	COL11A1	collagen, type XI, alpha 1

Hs.523446.1.41	chr1:103208692:103203910	103208478	c	NM_001854	5	CDS	1301	COL11A1	collagen, type XI, alpha 1
Hs.523446.1.42	chr1:103208692:103203910	103208521	c	NM_001854	5	CDS	1301	COL11A1	collagen, type XI, alpha 1
Hs.523457.1.6	chr11:6933590:6961935	6935644	c	BC014538	5	CDS	7762	ZNF215	zinc finger protein 215
Hs.523510.1.20	chr11:18326043:18330003	18326368	c	NM_005316	9	CDS	2965	GTF2H1	general transcription factor IIH, polypeptide 1, 62kDa
Hs.523510.1.7	chr11:18316398:18317686	18316446	c	NM_005316	4	CDS	2965	GTF2H1	general transcription factor IIH, polypeptide 1, 62kDa
Hs.523628.1.3	chr1:152499993:152504380	152500234	c	NM_004632	3	CDS	7818	DAP3	death associated protein 3
Hs.523628.1.6	chr1:152504483:152508245	152504595	c	NM_004632	4	CDS	7818	DAP3	death associated protein 3
Hs.523702.1.4	chr11:59697076:59696303	59696550	c	NM_152851	6	3UTR	64231	MS4A6A	membrane-spanning 4-domains, subfamily A, member 6A
Hs.523852.1.1	chr11:69165461:69166979	69165690	c	NM_053056	1	CDS	595	CCND1	cyclin D1 (PRAD1: parathyroid adenomatosis 1)
Hs.523854.1.19	chr11:69191843:69191537	69191563	c	NM_153451	4	CDS	220064	ORAOV1	oral cancer overexpressed 1
Hs.523854.1.24	chr11:69195697:69191962	69195327	c	NM_153451	3	CDS	220064	ORAOV1	oral cancer overexpressed 1
Hs.523968.1.16	chr1:220283444:220278752	220282995	c	NM_005426	17	CDS	7159	TP53BP2	tumor protein p53 binding protein, 2
Hs.524121.1.12	chr11:124261569:124260354	124261413	c	NM_019055	16	CDS	54538	ROBO4	roundabout homolog 4, magic roundabout (Drosophila)
Hs.524121.1.13	chr11:124261569:124260354	124261489	c	NM_019055	16	CDS	54538	ROBO4	roundabout homolog 4, magic roundabout (Drosophila)
Hs.524165.1.2	chr12:18872:18771	18841	c	AY341951	2	CDS	NA	NA	NA
Hs.524251.1.3	chr12:10355482:10357325	10355549	c	AF498040	4	CDS	3824	KLRD1	killer cell lectin-like receptor subfamily D, member 1
Hs.524341.1.11	chr12:38631325:38552031	38629559	c	NM_052885	4	CDS	114134	SLC2A13	solute carrier family 2 (facilitated glucose transporter), member 13
Hs.524496.1.10	chr1:36455904:36456417	36456041	c	NM_024676	9	3UTR	79729	C1orf113	chromosome 1 open reading frame 113
Hs.524523.1.23	chr12:56207278:56207556	56207521	c	NM_052897	7	CDS	114785	MBD6	methyl-CpG binding domain protein 6
Hs.524599.1.19	chr12:74729246:74728512	74728641	c	NM_004537	14	CDS	4673	NAP1L1	nucleosome assembly protein 1-like 1
Hs.524617.1.8	chr10:118433291:118431379	118432957	c	AB007877	7	CDS	259217	HSPA12A	heat shock 70kDa protein 12A
Hs.524750.1.50	chr11:3690369:3684434	3689641	c	NM_016320	20	CDS	4928	NUP98	nucleoporin 98kDa
Hs.524760.1.17	chr12:111818226:111819913	111818470	c	NM_016816	5	CDS	4938	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kDa
Hs.524760.1.7	chr12:111809350:111811575	111809542	c	NM_002534	2	CDS	4938	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kDa
Hs.524809.1.38	chr12:121370385:121364740	121370145	c	NM_002956	5	CDS	6249	RSN	restin (Reed-Steinberg cell-expressed intermediate filament-associated protein)
Hs.524815.1.20	chr12:121866643:121867528	121866757	c	NM_003959	18	CDS	9026	HIP1R	huntingtin interacting protein-1-related
Hs.524828.1.3	chr12:122983448:122997469	122984796	c	NM_152437	1	5UTR	144348	ZNF664	zinc finger protein 664
Hs.524874.1.42	chr12:131941610:131937786	131941221	c	BC043157	2	CDS	23141	KIAA0692	KIAA0692 protein
Hs.524936.1.8	chr11:62348213:62331715	62347971	c	BC002645	10	CDS	6811	STX5A	syntaxin 5A
Hs.525061.1.29	chr13:60007369:60039659	60007561	c	NM_030794	11	CDS	81550	TDRD3	tudor domain containing 3
Hs.525063.1.7	chr11:85022972:85024358	85023033	c	NM_018480	4	CDS	55863	HT007	uncharacterized hypothalamus protein HT007
Hs.525088.1.15	chr11:95756080:95746280	95754614	c	NM_024725	5	CDS	79780	FLJ23518	hypothetical protein FLJ23518
Hs.525135.1.30	chr13:97861079:97862155	97861478	c	NM_005766	15	CDS	10160	FARP1	FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived)
Hs.525135.1.47	chr13:97885962:97889058	97886356	c	NM_005766	19	CDS	10160	FARP1	FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived)
Hs.525163.1.13	chr13:110334045:110330461	110333543	c	NM_017664	5	CDS	55608	ANKRD10	ankyrin repeat domain 10
Hs.525163.1.14	chr13:110334045:110330461	110333720	c	NM_017664	5	CDS	55608	ANKRD10	ankyrin repeat domain 10
Hs.525163.1.16	chr13:110334045:110330461	110333856	c	NM_017664	5	CDS	55608	ANKRD10	ankyrin repeat domain 10
Hs.525163.1.20	chr13:110343375:110334142	110343054	c	NM_017664	4	CDS	55608	ANKRD10	ankyrin repeat domain 10
Hs.52526.1.1	chr3:151623606:151657560	151623803	c	NM_014779	2	CDS	9819	TSC2D2	TSC22 domain family, member 2
Hs.525264.1.15	chr12:7152122:7145960	7151480	c	NM_016546	2	CDS	51279	C1RL	complement component 1, r subcomponent-like
Hs.525391.1.19	chr1:53397953:53396617	53397780	c	NM_017887	2	CDS	54987	C1orf123	chromosome 1 open reading frame 123
Hs.525392.1.59	chr14:63658899:63661549	63658988	c	NM_015180	70	CDS	23224	SYNE2	spectrin repeat containing, nuclear envelope 2

Hs.525764.1.13	chr15:30715409:30715749	30715674	c	NM_014783	11	CDS	9824	ARHGAP11A	Rho GTPase activating protein 11A
Hs.526464.1.39	chr15:72122534:72123614	72122732	c	NM_033238	8	CDS	5371	PML	promyelocytic leukemia
Hs.526464.1.40	chr15:72122534:72123614	72122770	c	NM_033238	8	CDS	5371	PML	promyelocytic leukemia
Hs.526464.1.5	chr15:72077871:72102221	72078109	c	NM_002675	2	CDS	5371	PML	promyelocytic leukemia
Hs.526500.1.6	chr16:20938446:20922031	20937974	c	NM_017539	41	CDS	55567	DNAH3	dynein, axonemal, heavy polypeptide 3
Hs.526552.1.5	chr17:11463824:11473458	11463976	c	NM_001372	6	CDS	1770	DNAH9	dynein, axonemal, heavy polypeptide 9
Hs.526552.1.6	chr17:11549228:11563375	11549535	c	NM_001372	26	CDS	1770	DNAH9	dynein, axonemal, heavy polypeptide 9
Hs.526902.1.6	chr5:98143693:98156688	98144790	c	NM_001012761	4	CDS	285704	RGMB	RGM domain family, member B
Hs.527104.1.1	chr4:81861517:82148325	81861591	c	NM_152770	3	CDS	255119	MGC35043	hypothetical protein MGC35043
Hs.527348.1.63	chr7:91373835:91374820	91374270	c	NM_005751	44	CDS	10142	AKAP9	A kinase (PRKA) anchor protein (yotiao) 9
Hs.527348.1.7	chr7:91269766:91274812	91270017	c	NM_005751	7	CDS	10142	AKAP9	A kinase (PRKA) anchor protein (yotiao) 9
Hs.527748.1.12	chr10:126195831:126291822	126195935	c	NM_022126	6	CDS	64077	LHPP	phospholysine phosphohistidine inorganic pyrophosphate phosphatase
Hs.528006.1.18	chr19:53823347:53823749	53823468	c	NM_020126	6	CDS	56848	SPHK2	sphingosine kinase 2
Hs.528050.1.29	chr5:140042868:140039653	140042530	c	NM_002109	3	CDS	3035	HARS	histidyl-tRNA synthetase
Hs.528084.1.7	chr1:144346761:144345030	144346436	c	NM_016361	8	CDS	51205	ACP6	acid phosphatase 6, lysophosphatidic
Hs.528222.1.1	chr5:52892348:52935038	52892951	c	NM_002495	1	CDS	4724	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)
Hs.528300.1.32	chr10:3181812:3180484	3181657	c	NM_014889	16	CDS	10531	PITRM1	pitrilysin metalloproteinase 1
Hs.528300.1.36	chr10:3183438:3181946	3183368	c	NM_014889	15	CDS	10531	PITRM1	pitrilysin metalloproteinase 1
Hs.528304.1.13	chr8:24264769:24265444	24264994	c	NM_014265	20	CDS	10863	ADAM28	a disintegrin and metalloproteinase domain 28
Hs.528305.1.38	chr22:37215134:37214637	37214815	c	NM_006386	8	CDS	10521	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17
Hs.528385.1.7	chr14:23529409:23543385	23529643	c	AY943857	2	CDS	317749	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2
Hs.528385.1.8	chr14:23529409:23543385	23529739	c	AY943857	2	CDS	317749	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2
Hs.528543.1.3	chr3:196924806:196928020	196925013	c	NM_001013714	2	3UTR	440993	LOC440993	hypothetical gene supported by AK128346
Hs.528653.1.9	chr14:56811361:56816665	56811928	c	NM_018229	2	CDS	55745	C14orf108	chromosome 14 open reading frame 108
Hs.528660.1.18	chr3:109780817:109777884	109780701	c	NM_020890	7	CDS	57650	KIAA1524	KIAA1524
Hs.528673.1.16	chr8:11209984:11211591	11210104	c	NM_015458	7	CDS	66036	MTMR9	myotubularin related protein 9
Hs.528703.1.13	chr12:108919854:108924570	108919987	c	NM_033121	6	CDS	88455	ANKRD13	ankyrin repeat domain 13
Hs.528834.1.16	chr16:55038038:55031160	55037917	c	NM_007006	3	CDS	11051	NUDT21	nudix (nucleoside diphosphate linked moiety X)-type motif 21
Hs.529181.1.9	chr2:30876424:30872975	30875891	c	NM_144575	15	CDS	92291	CAPN13	calpain 13
Hs.529276.1.24	chr2:170242403:170239315	170242267	c	NM_024622	5	CDS	79675	FLJ21901	hypothetical protein FLJ21901
Hs.529280.1.11	chr12:109276590:109274859	109276007	c	NM_016238	10	CDS	51434	ANAPC7	anaphase promoting complex subunit 7
Hs.529280.1.32	chr12:109288263:109286995	109288068	c	NM_016238	5	CDS	51434	ANAPC7	anaphase promoting complex subunit 7
Hs.529369.1.17	chr4:7929411:7920452	7929237	c	NM_021638	8	CDS	60312	AFAP	actin filament associated protein
Hs.529408.1.10	chr21:41539861:41550954	41540053	c	NM_138991	6	CDS	25825	BACE2	beta-site APP-cleaving enzyme 2
Hs.529420.1.20	chr21:45046048:45032439	45044333	c	NM_003343	1	CDS	7327	UBE2G2	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)
Hs.529438.1.53	chr22:19406615:19406240	19406411	c	NM_002650	8	CDS	5297	PIK4CA	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide solute carrier family 6 (neurotransmitter transporter, taurine), member 6
Hs.529488.1.12	chr3:14464329:14474461	14464603	c	NM_003043	5	CDS	6533	SLC6A6	member 6
Hs.529509.1.24	chr3:42650232:42651108	42650232	c	NM_001012651	12	3UTR	4820	NKTR	natural killer-tumor recognition sequence
Hs.529551.1.18	chr3:102573541:102569546	102573387	c	NM_020654	6	CDS	57337	SEN7	SUMO1/sentrin specific protease 7
Hs.529551.1.19	chr3:102573541:102569546	102573445	c	NM_020654	6	CDS	57337	SEN7	SUMO1/sentrin specific protease 7
Hs.529677.1.7	chr4:74812568:74807484	74812303	c	NM_177532	8	CDS	166824	RASSF6	Ras association (RalGDS/AF-6) domain family 6
Hs.529782.1.35	chr9:35058247:35058061	35058154	c	NM_007126	2	CDS	7415	VCP	valosin-containing protein
Hs.529892.1.19	chr5:179184833:179192637	179184934	c	NM_003900	5	CDS	8878	SQSTM1	sequestosome 1
Hs.529892.1.26	chr5:179192853:179193192	179193019	c	NM_003900	6	CDS	8878	SQSTM1	sequestosome 1

Hs.529948.1.49	chr6:90442541:90442020	90442365	c	NM_014611	77	CDS	23195	MDN1	MDN1, midasin homolog (yeast)
Hs.529959.1.14	chr6:110171169:110171570	110171371	c	NM_014845	9	CDS	9896	KIAA0274	KIAA0274
Hs.529984.1.8	chr6:159430554:159429670	159430353	c	NM_054114	8	CDS	117289	TAGAP	T-cell activation GTPase activating protein
Hs.529989.1.14	chr6:167322793:167318036	167321898	c	NM_003730	6	CDS	8635	RNASET2	ribonuclease T2
Hs.530009.1.11	chr7:16610494:16607884	16610235	c	NM_006408	6	CDS	10551	AGR2	anterior gradient 2 homolog (Xenopus laevis)
Hs.530045.1.3	chr7:63720182:63735978	63720882	c	NM_006524	3	CDS	7697	ZNF138	zinc finger protein 138
Hs.530291.1.4	chr10:81907376:81905649	81906699	c	NM_001157	14	CDS	311	ANXA11	annexin A11
Hs.530331.1.13	chrX:19130949:19132265	19131129	c	NM_000284	5	CDS	5160	PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1
Hs.530402.1.33	chr1:50965692:50922469	50965642	c	NM_131917	4	CDS	11124	FAF1	Fas (TNFRSF6) associated factor 1
Hs.530712.1.15	chr14:34647095:34646332	34646605	c	NM_017917	5	CDS	55012	C14orf10	chromosome 14 open reading frame 10
Hs.530712.1.19	chr14:34649481:34648889	34649028	c	NM_017917	3	CDS	55012	C14orf10	chromosome 14 open reading frame 10
Hs.530733.1.7	chr11:59312997:59314567	59313250	c	NM_004177	4	CDS	6809	STX3A	syntaxin 3A
Hs.530735.1.9	chr11:59913646:59916733	59913788	c	NM_021201	5	CDS	58475	MS4A7	membrane-spanning 4-domains, subfamily A, member 7
Hs.530749.1.46	chr11:69901950:69905841	69902106	c	NM_003626	26	CDS	8500	PPFIA1	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1
Hs.530930.1.16	chr16:48322182:48230287	48321988	c	NM_015069	4	CDS	23090	ZNF423	zinc finger protein 423
Hs.531081.1.7	chr14:54676835:54679054	54676911	c	NM_002306	3	CDS	3958	LGALS3	lectin, galactoside-binding, soluble, 3 (galectin 3)
Hs.531106.1.17	chr14:72636212:72639652	72637640	c	NM_021239	9	CDS	58517	RBM25	RNA binding motif protein 25
Hs.531330.1.9	chr2:113917671:113918770	113917830	c	NM_018491	3	CDS	55871	CBWD1	COBW domain containing 1
Hs.531615.1.18	chr15:63106221:63103186	63106139	c	NM_139242	2	CDS	123263	MTFMT	mitochondrial methionyl-tRNA formyltransferase
Hs.531752.1.17	chr19:5872211:5869650	5871913	c	NM_003624	14	CDS	8498	RANBP3	RAN binding protein 3
Hs.531770.1.10	chr19:44127448:44125232	44127305	c	NM_024907	5	CDS	115290	FBXO17	F-box protein 17
Hs.531807.1.15	chr2:68958103:68961122	68958525	c	NM_001007231	9	CDS	9938	ARHGAP25	Rho GTPase activating protein 25
Hs.531807.1.21	chr2:68961656:68964769	68961961	c	NM_001007231	10	CDS	9938	ARHGAP25	Rho GTPase activating protein 25
Hs.531819.1.43	chr2:86630057:86630819	86630514	c	NM_018433	25	CDS	55818	JMJD1A	jumonji domain containing 1A
Hs.531906.1.20	chr22:22549611:22550512	22549693	c	NM_030807	10	CDS	66035	SLC2A11	solute carrier family 2 (facilitated glucose transporter), member 11
Hs.531906.1.9	chr22:22543913:22544461	22544028	c	NM_030807	6	CDS	66035	SLC2A11	solute carrier family 2 (facilitated glucose transporter), member 11
Hs.531962.1.10	chr3:139701649:139699651	139701473	c	NM_024491	16	CDS	80321	Cep70	p10-binding protein
Hs.531962.1.27	chr3:139738717:139734111	139738459	c	NM_024491	7	CDS	80321	Cep70	p10-binding protein
Hs.531962.1.9	chr3:139701649:139699651	139701424	c	NM_024491	16	CDS	80321	Cep70	p10-binding protein
Hs.532091.1.19	chr5:77420972:77370855	77420896	c	NM_003664	22	CDS	8546	AP3B1	adaptor-related protein complex 3, beta 1 subunit
Hs.532161.1.19	chr6:109588613:109590644	109588661	c	NM_173830	10	CDS	285753	C6orf182	chromosome 6 open reading frame 182
Hs.532253.1.7	chr8:28360606:28342840	28360546	c	NM_172366	7	CDS	157574	FBXO16	F-box protein 16
Hs.532277.1.12	chr8:146083028:146079026	146082783	c	NM_021061	5	CDS	58500	ZNF250	zinc finger protein 250
Hs.532316.1.17	chr9:119055750:119050774	119055452	c	NM_014618	6	CDS	1620	DBC1	deleted in bladder cancer 1
Hs.532411.1.21	chr1:232230762:232224001	232230683	c	NM_000081	31	CDS	1130	LYST	lysosomal trafficking regulator
Hs.532411.1.34	chr1:232276540:232271429	232276411	c	NM_000081	14	CDS	1130	LYST	lysosomal trafficking regulator
Hs.532437.1.13	chr10:49120209:49118542	49120095	c	NM_152428	3	CDS	143162	FRMPD2	FERM and PDZ domain containing 2
Hs.532891.1.20	chr22:40261202:40253250	40260993	c	NM_138338	3	CDS	171568	POLR3H	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)
Hs.533019.1.9	chr22:18448761:18449238	18448869	c	NM_022720	2	CDS	54487	DGCR8	DiGeorge syndrome critical region gene 8
Hs.533040.1.9	chr5:176847674:176843798	176847504	c	NM_005451	10	CDS	9260	PDLIM7	PDZ and LIM domain 7 (enigma)
Hs.533291.1.24	chr6:24531258:24531790	24531684	c	NM_020662	10	CDS	57380	MRS2L	MRS2-like, magnesium homeostasis factor (S. cerevisiae)
Hs.533291.1.9	chr6:24520603:24523239	24520865	c	NM_020662	5	CDS	57380	MRS2L	MRS2-like, magnesium homeostasis factor (S. cerevisiae)
Hs.533323.1.8	chr6:96141581:96151333	96141978	c	NM_024641	2	CDS	79694	MANEA	mannosidase, endo-alpha

Hs.533339.1.9	chr1:7798175:7803218	7798284	c	NM_016831	9	CDS	8863	PER3	period homolog 3 (Drosophila)
Hs.533444.1.16	chr1:23882531:23880120	23882096	c	NM_000191	6	CDS	3155	HMGCL	3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase (hydroxymethylglutaricaciduria)
Hs.533468.1.18	chr9:19050085:19049000	19049218	c	NM_017645	15	CDS	54801	FAM29A	family with sequence similarity 29, member A
Hs.533499.1.15	chr9:122695784:122693270	122695627	c	AL833177	19	3UTR	54542	MNAB	membrane associated DNA binding protein
Hs.533499.1.44	chr9:122732144:122725213	122732005	c	NM_018835	1	5UTR	54542	MNAB	membrane associated DNA binding protein
Hs.533514.1.17	chrX:1588244:1584563	1587949	c	NM_004192	9	CDS	8623	ASMTL	acetylserotonin O-methyltransferase-like
Hs.533514.1.25	chrX:1594988:1590842	1594622	c	NM_004192	7	CDS	8623	ASMTL	acetylserotonin O-methyltransferase-like
Hs.533549.1.10	chr1:45009442:44992573	45009298	c	NM_020365	11	CDS	8891	EIF2B3	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa
Hs.533582.1.10	chr1:100662029:100672394	100662311	c	NM_003672	11	CDS	8556	CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)
Hs.533582.1.5	chr1:100620574:100640227	100620691	c	BC038979	7	CDS	8556	CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)
Hs.533670.1.2	chr10:95508579:95527125	95508659	c	NM_005097	2	CDS	9211	LGI1	leucine-rich, glioma inactivated 1
Hs.533683.1.43	chr10:123314005:123300964	123313830	c	NM_000141	4	CDS	2263	FGFR2	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)
Hs.533701.1.17	chr11:33050776:33059236	33050965	c	AK021448	5	CDS	55346	FLJ11336	hypothetical protein FLJ11336
Hs.533701.1.19	chr11:33050776:33059236	33051454	c	AK021448	5	CDS	55346	FLJ11336	hypothetical protein FLJ11336
Hs.533712.1.11	chr11:66164171:66167496	66165239	c	NM_002896	2	CDS	5936	RBM4	RNA binding motif protein 4
Hs.533712.1.7	chr11:66164171:66167496	66164289	c	NM_002896	2	CDS	5936	RBM4	RNA binding motif protein 4
Hs.533717.1.4	chr14:100265157:100268131	100265324	c	NM_003836	3	CDS	8788	DLK1	delta-like 1 homolog (Drosophila)
Hs.533723.1.30	chr11:77313443:77311166	77313136	c	NM_033547	12	CDS	92105	MGC16733	hypothetical gene MGC16733 similar to CG12113
Hs.533855.1.1	chr13:114065705:114066413	114065847	c	NM_023011	2	CDS	65110	UPF3A	UPF3 regulator of nonsense transcripts homolog A (yeast)
Hs.533898.1.27	chr15:20423941:20424642	20424225	c	NM_052903	22	CDS	114791	TUBGCP5	tubulin, gamma complex associated protein 5
Hs.533934.1.47	chr2:27175474:27175762	27175716	c	NM_017727	18	3UTR	54867	FLJ20254	hypothetical protein FLJ20254
Hs.533956.1.11	chrX:152356062:152366282	152356262	c	NM_021949	20	CDS	492	ATP2B3	ATPase, Ca++ transporting, plasma membrane 3
Hs.533985.1.51	chr17:71608946:71605695	71608694	c	NM_001013839	4	CDS	23265	EXOC7	exocyst complex component 7
Hs.534074.1.18	chr18:75328571:75347235	75328983	c	NM_006162	8	CDS	4772	NFATC1	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
Hs.534101.1.4	chr2:171064130:171065089	171064783	c	NM_138995	10	CDS	140469	MYO3B	myosin IIIB
Hs.534261.1.14	chr15:86809821:86809112	86809739	c	NM_022163	2	CDS	26589	MRPL46	mitochondrial ribosomal protein L46
Hs.534284.1.10	chr1:89186650:89185557	89186638	c	NM_018284	10	CDS	2635	GBP3	guanylate binding protein 3
Hs.534284.1.9	chr1:89186650:89185557	89186548	c	NM_018284	10	CDS	2635	GBP3	guanylate binding protein 3
Hs.534293.1.10	chr14:94155559:94158430	94156061	c	NM_001085	3	CDS	12	SERPINA3	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3
Hs.534312.1.12	chr9:129660352:129660566	129660170	c	NM_000113	4	CDS	1861	TOR1A	torsin family 1, member A (torsin A)
Hs.534312.1.17	chr9:129664413:129660754	129663209	c	NM_000113	2	CDS	1861	TOR1A	torsin family 1, member A (torsin A)
Hs.534339.1.5	chr12:55411631:55411323	55411631	c	NM_000946	13	3UTR	5557	PRIM1	primase, polypeptide 1, 49kDa
Hs.534352.1.9	chr19:7611890:7612590	7612098	c	NM_006949	6	CDS	6813	STXBP2	syntaxin binding protein 2
Hs.534364.1.22	chr2:219121107:219122084	219121444	c	NM_007127	9	CDS	7429	VIL1	villin 1
Hs.534364.1.25	chr2:219123180:219124753	219123365	c	NM_007127	12	CDS	7429	VIL1	villin 1
Hs.534393.1.4	chr19:59802564:59803788	59802993	c	NM_006863	8	CDS	11024	LILRA1	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1
Hs.53454.1.14	chr3:134810076:134802936	134809697	c	NM_007027	27	CDS	11073	TOPBP1	topoisomerase (DNA) II binding protein 1
Hs.53454.1.33	chr3:134819754:134818869	134819677	c	NM_007027	21	CDS	11073	TOPBP1	topoisomerase (DNA) II binding protein 1
Hs.534937.1.8	chr19:4485026:4482835	4483366	c	NM_001013706	2	CDS	440503	LOC440503	similar to RIKEN cDNA 2310076L09

Hs.535557.1.5	chr19:11876703:11885223	11876893	c	NM_021915	4	CDS	7620	ZNF69	zinc finger protein 69 (Cos5)
Hs.535591.1.11	chr2:97659924:97655550	97659495	c	BC071771	3	CDS	375251	LOC375251	similar to KIAA1641 protein
Hs.535711.1.14	chr3:42211438:42215672	42211644	c	NM_014965	9	CDS	22906	OIP106	OGT(O-Glc-NAc transferase)-interacting protein 106 KDa
Hs.535760.1.18	chr4:109349422:109343145	109349418	c	NM_016269	9	CDS	51176	LEF1	lymphoid enhancer-binding factor 1
Hs.536490.1.7	chr18:70761637:70904093	70762002	c	AB051490	7	CDS	55628	ZNF407	zinc finger protein 407
Hs.537121.1.10	chr10:4879492:4879679	4879537	c	NM_031436	9	3UTR	83592	AKR1CL2	aldo-keto reductase family 1, member C-like 2
Hs.537121.1.9	chr10:4879423:4879679	4879473	c	AF263242	9	CDS	83592	AKR1CL2	aldo-keto reductase family 1, member C-like 2
Hs.537126.1.12	chr11:125668161:125668772	125668341	c	NM_052887	5	CDS	114609	TIRAP	toll-interleukin 1 receptor (TIR) domain containing adaptor protein
Hs.537438.1.2	chr18:51878332:51874889	51878057	c	AK127645	4	CDS	NA	NA	NA
Hs.541209.1.22	chrX:2788710:2792453	2788845	c	NM_003918	11	CDS	8908	GYG2	glycogenin 2
Hs.545578.1.3	chr5:69470709:69461860	69470445	c	NM_207331	11	3UTR	153561	LOC153561	hypothetical protein LOC153561
Hs.5462.1.11	chr4:72703723:72717699	72704071	c	NM_003759	11	CDS	8671	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4
Hs.546244.1.23	chr15:91293311:91297590	91293464	c	NM_001271	13	CDS	1106	CHD2	chromodomain helicase DNA binding protein 2
Hs.546268.1.60	chr15:70031171:70018323	70031039	c	NM_006901	15	CDS	4649	MYO9A	myosin IXA
Hs.546268.1.62	chr15:70039295:70031292	70037907	c	NM_006901	14	CDS	4649	MYO9A	myosin IXA
Hs.546309.1.109	chr8:134195030:134198034	134195138	c	NM_003235	44	CDS	7038	TG	thyroglobulin
Hs.546334.1.17	chr15:88238116:88233377	88237315	c	NM_005829	1	CDS	10239	AP3S2	adaptor-related protein complex 3, sigma 2 subunit
Hs.546346.1.16	chr15:28990311:28993352	28991130	c	NM_014967	4	CDS	22909	KIAA1018	KIAA1018 protein
Hs.546358.1.7	chr7:141084703:141083203	141084492	c	NM_013252	6	CDS	23601	CLEC5A	C-type lectin domain family 5, member A
Hs.546364.1.3	chr6:136471646:136510181	136472162	c	NM_018945	3	CDS	27115	PDE7B	phosphodiesterase 7B
Hs.546364.1.8	chr6:136518590:136536627	136518922	c	NM_018945	8	CDS	27115	PDE7B	phosphodiesterase 7B
Hs.546381.1.8	chr17:71207547:71210154	71207934	c	NM_013260	5	CDS	29115	HCNGP	transcriptional regulator protein
Hs.546403.1.4	chr9:83686705:83681955	83685918	c	NM_017576	17	CDS	55582	KIF27	kinesin family member 27
Hs.546403.1.7	chr9:83724765:83715102	83724587	c	NM_017576	11	CDS	55582	KIF27	kinesin family member 27
Hs.546412.1.9	chr16:19500477:19510612	19500908	c	NM_020314	7	CDS	57020	MGC16824	esophageal cancer associated protein
Hs.546419.1.19	chr4:44532921:44533661	44533087	c	NM_021927	11	CDS	60558	FLJ13220	hypothetical protein FLJ13220
Hs.546421.1.11	chr10:73076381:73104874	73076543	c	NM_022124	14	CDS	64072	CDH23	cadherin-like 23
Hs.546421.1.21	chr10:73136813:73138860	73137273	c	NM_022124	26	CDS	64072	CDH23	cadherin-like 23
Hs.546441.1.25	chr3:171371862:171349735	171371222	c	AJ320486	4	CDS	80012	PHC3	polyhomeotic like 3 (Drosophila)
Hs.546441.1.4	chr3:171302968:171297875	171302828	c	AJ320486	14	CDS	80012	PHC3	polyhomeotic like 3 (Drosophila)
Hs.546441.1.7	chr3:171317715:171314010	171317612	c	NM_024947	10	CDS	80012	PHC3	polyhomeotic like 3 (Drosophila)
Hs.546468.1.6	chr16:21719528:21718657	21719336	c	NM_145237	3	CDS	94431	LOC94431	similar to RNA polymerase I transcription factor RRN3
Hs.546487.1.6	chr15:41443404:41441432	41443245	c	NM_152455	4	CDS	146050	ZNF690	zinc finger protein 690
Hs.546500.1.8	chr2:97177719:97173810	97177195	c	NM_199336	3	CDS	151313	DKFZp434N062	hypothetical protein DKFZp434N062
Hs.546502.1.5	chr5:180409976:180412805	180410069	c	NM_152547	4	CDS	153579	BTNL9	butyrophilin-like 9
Hs.546502.1.9	chr5:180415622:180417957	180416101	c	NM_152547	9	CDS	153579	BTNL9	butyrophilin-like 9
Hs.546510.1.9	chr17:30610835:30612102	30610952	c	NM_144975	2	CDS	162394	MGC19764	hypothetical protein MGC19764
Hs.546519.1.2	chr9:68092180:68093275	68092330	c	NM_201453	3	CDS	445571	CBWD3	COBW domain containing 3
Hs.546519.2.20	chr9:67992861:67991767	67992712	c	BC067803	3	CDS	NA	NA	NA
Hs.546538.1.6	chr9:123219509:123221795	123220586	c	AK126775	8	3UTR	286204	CRB2	crumbs homolog 2 (Drosophila)
Hs.54673.1.11	chr17:7404859:7405039	7404974	c	NM_172088	6	CDS	8741	TNFSF13	tumor necrosis factor (ligand) superfamily, member 13
Hs.546961.1.2	chr2:159361264:159348101	159360675	c	AK126351	2	5UTR	NA	NA	NA
Hs.54697.1.24	chrX:62757204:62727613	62757185	c	NM_015185	1	CDS	23229	ARHGGEF9	Cdc42 guanine nucleotide exchange factor (GEF) 9
Hs.547177.1.15	chr2:114070637:114071292	114070796	c	NM_182905	3	CDS	375260	MGC52000	CXYorf1-related protein
Hs.54725.1.3	chr21:33082884:33091118	33083188	c	NM_001006116	3	CDS	54067	C21orf49	chromosome 21 open reading frame 49
Hs.54838.1.9	chr18:17286177:17288324	17286392	c	NM_024935	14	CDS	80000	KIAA1772	KIAA1772

Hs.549055.1.14	chr6:168130726:168133403	168131400	c	NM_005936	14	CDS	4301	MLLT4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4
Hs.549055.1.23	chr6:168142196:168144240	168142442	c	NM_005936	20	CDS	4301	MLLT4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4
Hs.549056.1.25	chr1:120190136:120183878	120189778	c	NM_024408	22	CDS	4853	NOTCH2	Notch homolog 2 (Drosophila)
Hs.549083.1.4	chr8:17204033:17202105	17203534	c	NM_004686	13	CDS	9108	MTMR7	myotubularin related protein 7
Hs.549084.1.12	chr6:150096328:150093708	150096169	c	NM_004690	4	CDS	9113	LATS1	LATS, large tumor suppressor, homolog 1 (Drosophila)
Hs.549084.1.13	chr6:150096328:150093708	150096294	c	NM_004690	4	CDS	9113	LATS1	LATS, large tumor suppressor, homolog 1 (Drosophila)
Hs.549092.1.7	chr8:53201164:53193555	53200997	c	NM_014682	23	CDS	9705	ST18	suppression of tumorigenicity 18 (breast carcinoma) (zinc finger protein)
Hs.549094.1.8	chr9:97929278:97926304	97928654	c	NM_033219	6	3UTR	9830	TRIM14	tripartite motif-containing 14
Hs.549097.1.40	chr7:86468796:86468997	86468859	c	NM_021145	19	CDS	9988	DMTF1	cyclin D binding myb-like transcription factor 1
Hs.549121.1.25	chr3:56642111:56637683	56642092	c	NM_015224	11	CDS	23272	RAP140	retinoblastoma-associated protein 140
Hs.549149.1.9	chr10:68196027:68051549	68195919	c	NM_013266	9	CDS	29119	CTNNA3	catenin (cadherin-associated protein), alpha 3
Hs.549157.1.8	chr9:128164981:128166975	128165411	c	NM_016035	2	CDS	51117	COQ4	coenzyme Q4 homolog (yeast)
Hs.549163.1.1	chr16:76691284:76699820	76691592	c	NM_016373	1	CDS	51741	WWOX	WW domain containing oxidoreductase
Hs.549166.1.13	chr13:19122401:19131134	19122552	c	NM_017520	5	CDS	54737	HSMPP8	M-phase phosphoprotein, mpp8
Hs.549171.1.1	chr1:147834402:147835986	147834558	c	NM_017860	1	CDS	54964	C1orf56	chromosome 1 open reading frame 56
Hs.549173.1.15	chr1:175586004:175586760	175586413	c	NM_152663	12	CDS	55103	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2
Hs.549177.1.4	chr10:69775464:69771052	69773753	c	NM_017987	18	3UTR	55680	RUFY2	RUN and FYVE domain containing 2
Hs.549177.1.7	chr10:69775464:69771052	69775115	c	NM_017987	18	3UTR	55680	RUFY2	RUN and FYVE domain containing 2
Hs.549220.1.8	chr10:20493503:20505933	20493730	c	NM_032812	7	CDS	84898	PLXDC2	plexin domain containing 2
Hs.549235.1.28	chr17:71720039:71681467	71719560	c	NM_052916	2	CDS	114804	RNF157	ring finger protein 157
Hs.549238.1.12	chr1:225784580:225770041	225783712	c	BC060777	2	CDS	126731	C1orf96	chromosome 1 open reading frame 96
Hs.549244.1.4	chrX:102580442:102578599	102580256	c	NM_080879	1	5UTR	142684	RAB40A	RAB40A, member RAS oncogene family
Hs.549247.1.11	chr15:40856520:40855214	40856408	c	NM_173500	15	CDS	146057	TTBK2	tau tubulin kinase 2
Hs.549248.1.5	chr16:22002691:22004029	22002938	c	NM_173501	4	3UTR	146174	C16orf52	chromosome 16 open reading frame 52
Hs.549269.1.17	chr12:111071640:111070977	111071264	c	AB014514	41	CDS	196515	FLJ30092	AF-1 specific protein phosphatase
Hs.549269.1.50	chr12:111127166:111120014	111126977	c	AK054654	2	CDS	196515	FLJ30092	AF-1 specific protein phosphatase
Hs.549281.1.13	chr6:41146848:41145852	41146765	c	NM_145063	3	CDS	221443	C6orf130	chromosome 6 open reading frame 130
Hs.549281.1.16	chr6:41147312:41146994	41147216	c	NM_145063	2	CDS	221443	C6orf130	chromosome 6 open reading frame 130
Hs.549285.1.12	chr11:65997973:65999644	65998698	c	NM_145065	7	CDS	246330	PELI3	pellino 3 alpha
Hs.549345.1.3	chr10:127385959:127385760	127385798	c	AK094354	4	CDS	399821	FLJ37035	FLJ37035 protein
Hs.549345.1.4	chr10:127385959:127385760	127385861	c	AK094354	4	CDS	399821	FLJ37035	FLJ37035 protein
Hs.54941.1.11	chrX:18671978:18671431	18671883	c	NM_000292	32	CDS	5256	PHKA2	phosphorylase kinase, alpha 2 (liver)
Hs.55041.1.16	chr6:43133780:43132162	43133656	c	NM_015950	2	CDS	51069	MRPL2	mitochondrial ribosomal protein L2
Hs.550478.1.50	chr1:21907338:21906745	21907208	c	NM_005529	76	CDS	3339	HSPG2	heparan sulfate proteoglycan 2 (perlecan)
Hs.550488.1.20	chr6:31237762:31238232	31237985	c	BC033086	3	CDS	6941	TCF19	transcription factor 19 (SC1)
Hs.550499.1.16	chr12:32766835:32775214	32766971	c	AB209070	10	CDS	10059	DNM1L	dynamain 1-like
Hs.550502.1.3	chr4:39287792:39289231	39288000	c	NM_006859	4	CDS	11019	LIAS	lipoic acid synthetase
Hs.550507.1.4	chr11:63643222:63643629	63643236	c	NM_013280	2	3UTR	23769	FLRT1	fibronectin leucine rich transmembrane protein 1
Hs.550520.1.7	chr10:126652958:126660267	126653108	c	NM_017580	5	CDS	54764	ZRANB1	zinc finger, RAN-binding domain containing 1
Hs.550529.1.7	chr17:75786986:75790137	75787318	c	NM_024110	13	CDS	79092	CARD14	caspase recruitment domain family, member 14
Hs.550529.1.8	chr17:75790815:75792215	75791025	c	NM_024110	15	CDS	79092	CARD14	caspase recruitment domain family, member 14
Hs.550535.1.17	chr1:2351839:2351131	2351609	c	NM_024848	3	CDS	79906	FLJ13941	hypothetical protein FLJ13941
Hs.550536.1.72	chr15:42712994:42708879	42712960	c	NM_025137	8	CDS	80208	FLJ21439	hypothetical protein FLJ21439

Hs.550538.1.5	chr17:5266874:5270014	5267014	c	NM_032308	3	CDS	84268	RIP	RPA interacting protein
Hs.550540.1.20	chr5:177582458:177582188	177582332	c	NM_153373	7	CDS	85007	MGC15875	hypothetical protein MGC15875
Hs.550567.1.11	chr7:99455320:99454269	99454307	c	NM_178831	6	3UTR	352954	GATS	opposite strand transcription unit to STAG3
Hs.551505.1.45	chr1:65037808:65035484	65037346	c	NM_002227	8	CDS	3716	JAK1	Janus kinase 1 (a protein tyrosine kinase)
Hs.551508.1.115	chr2:152372748:152370419	152371220	c	NM_004543	24	CDS	4703	NEB	nebulin
Hs.551527.1.13	chr20:61007683:61007399	61007445	c	BC000770	5	CDS	11083	DATF1	death associated transcription factor 1
Hs.551527.1.6	chr20:61007683:60998794	61006803	c	NM_080797	6	CDS	11083	DATF1	death associated transcription factor 1
Hs.551562.1.19	chr4:175614969:175627362	175616207	c	NM_030633	13	3UTR	80817	KIAA1712	KIAA1712
Hs.551565.1.29	chr16:46939703:46942992	46939884	c	NM_031490	14	CDS	83752	LONP	peroxisomal lon protease
Hs.551584.1.3	chr10:25313670:25313312	25313335	c	NM_145010	5	CDS	219670	C10orf63	chromosome 10 open reading frame 63
Hs.551584.1.9	chr10:25344794:25328482	25344681	c	NM_145010	1	CDS	219670	C10orf63	chromosome 10 open reading frame 63
Hs.552571.1.15	chr4:5933962:5938009	5934104	c	NM_014556	21	3UTR	2121	EVC	Ellis van Creveld syndrome
Hs.552571.1.17	chr4:5938054:5943415	5938088	c	NM_014556	22	3UTR	2121	EVC	Ellis van Creveld syndrome
Hs.552580.1.6	chr2:242067021:242070437	242067382	c	NM_014808	5	CDS	9855	FARP2	FERM, RhoGEF and pleckstrin domain protein 2
Hs.552601.1.9	chr7:156255346:156256074	156255515	c	NM_138400	6	CDS	64434	NOM1	nucleolar protein with MIF4G domain 1
Hs.552608.1.1	chr1:219274680:219277420	219275642	c	NM_144695	1	5UTR	148362	C1orf58	chromosome 1 open reading frame 58
Hs.552614.1.4	chr6:31201596:31205324	31201666	c	NM_014068	2	5UTR	170679	PSORS1C1	psoriasis susceptibility 1 candidate 1
Hs.552618.1.1	chr7:134131317:134135498	134131693	c	NM_178563	3	CDS	340351	AGBL3	ATP/GTP binding protein-like 3
Hs.552621.1.5	chr3:139505046:139503245	139504811	c	AF196568	10	CDS	347736	TXNDC6	thioredoxin domain containing 6
Hs.552621.1.8	chr3:139521017:139519760	139520751	c	NM_178130	5	CDS	347736	TXNDC6	thioredoxin domain containing 6
Hs.552625.1.12	chr2:238525067:238532481	238525080	c	AK130316	5	3UTR	375316	FLJ40411	FLJ40411 protein
Hs.55279.1.9	chr18:59311309:59317332	59311922	c	NM_002639	5	CDS	5268	SERPINB5	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5
Hs.553501.1.29	chr5:86708614:86709968	86708978	c	NM_002890	17	CDS	5921	RASA1	RAS p21 protein activator (GTPase activating protein) 1
Hs.553512.1.19	chr12:6957763:6957169	6957535	c	BC065194	9	CDS	10162	C3F	putative protein similar to nussy (Drosophila)
Hs.553528.1.10	chr8:121552359:121569579	121555371	c	NM_022045	11	CDS	27085	MTBP	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse) binding protein, 104kDa
Hs.553528.1.8	chr8:121538092:121540635	121538182	c	NM_022045	7	CDS	27085	MTBP	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse) binding protein, 104kDa
Hs.553547.1.24	chr2:47952023:47949217	47951639	c	NM_025133	18	CDS	80204	FBXO11	F-box protein 11
Hs.553547.1.25	chr2:47952023:47949217	47951709	c	NM_025133	18	CDS	80204	FBXO11	F-box protein 11
Hs.553611.1.13	chr1:231954993:231948136	231954254	c	NM_152490	7	CDS	148789	B3GALNT2	UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, polypeptide 2
Hs.55378.1.2	chr5:55239997:55242116	55240729	c	NM_139017	11	CDS	133396	IL31RA	interleukin 31 receptor A
Hs.554732.1.4	chr14:22657630:22656872	22657118	c	NM_001805	1	CDS	1053	CEBPE	CCAAT/enhancer binding protein (C/EBP), epsilon
Hs.554733.1.3	chr22:49307608:49306508	49307538	c	NM_152253	8	3UTR	1120	CHKB	choline kinase beta
Hs.554736.1.21	chr3:150376734:150374216	150376470	c	NM_000096	18	CDS	1356	CP	ceruloplasmin (ferroxidase)
Hs.554736.1.34	chr3:150383950:150382619	150383812	c	NM_000096	13	CDS	1356	CP	ceruloplasmin (ferroxidase)
Hs.554736.1.44	chr3:150388536:150387218	150388404	c	NM_000096	10	CDS	1356	CP	ceruloplasmin (ferroxidase)
Hs.554742.1.48	chr8:38404595:38402921	38404421	c	NM_000604	5	CDS	2260	FGFR1	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)
Hs.554766.1.50	chr1:52017918:52015314	52017519	c	NM_002525	2	CDS	4898	NRD1	nardilysin (N-arginine dibasic convertase)
Hs.554767.1.25	chr17:5235604:5233005	5235519	c	NM_002532	10	CDS	4927	NUP88	nucleoporin 88kDa
Hs.554784.1.2	chr5:140750033:140854557	140750448	c	NM_003736	1	CDS	8641	PCDHGB4	protocadherin gamma subfamily B, 4
Hs.554789.1.2	chr18:3492490:3489393	3492143	c	NM_001003809	9	CDS	9229	DLGAP1	discs, large (Drosophila) homolog-associated protein 1
Hs.554789.1.3	chr18:3492490:3489393	3492216	c	NM_001003809	9	CDS	9229	DLGAP1	discs, large (Drosophila) homolog-associated protein 1

Hs.554798.1.13	chr22:37201970:37203000	37202140	c	NM_006855	4	CDS	11015	KDELR3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3
Hs.554802.1.13	chr3:184500494:184497658	184500259	c	NM_015078	11	CDS	23101	MCF2L2	MCF.2 cell line derived transforming sequence-like 2
Hs.554802.1.4	chr3:184393488:184380650	184393139	c	NM_015078	27	CDS	23101	MCF2L2	MCF.2 cell line derived transforming sequence-like 2
Hs.554802.1.5	chr3:184424587:184423929	184424153	c	NM_015078	19	CDS	23101	MCF2L2	MCF.2 cell line derived transforming sequence-like 2
Hs.554802.1.6	chr3:184428786:184424681	184428616	c	NM_015078	18	CDS	23101	MCF2L2	MCF.2 cell line derived transforming sequence-like 2
Hs.554814.1.19	chr15:46233280:46231774	46231796	c	NM_016132	10	CDS	50804	MYEF2	myelin expression factor 2
Hs.554822.1.1	chr2:234382467:234384444	234382993	c	NM_205862	1	5UTR	54578	UGT1A6	UDP glucuronosyltransferase 1 family, polypeptide A6
Hs.554831.1.45	chr2:128238631:128236964	128238274	c	NM_001006623	6	CDS	55339	WDR33	WD repeat domain 33
Hs.554847.1.1	chr5:140717373:140854557	140717481	c	NM_018917	1	CDS	56111	PCDHGA4	protocadherin gamma subfamily A, 4
Hs.554883.1.6	chr10:14978983:14981543	14979336	c	BC029360	3	CDS	79723	SUV39H2	suppressor of variegation 3-9 homolog 2 (Drosophila)
Hs.554891.1.1	chrY:4912008:4943307	4913503	c	NM_032971	1	5UTR	83259	PCDH11Y	protocadherin 11 Y-linked
Hs.554892.1.7	chr1:227794053:227795090	227794065	c	NM_032018	4	CDS	83932	C1orf124	chromosome 1 open reading frame 124
Hs.554892.1.8	chr1:227794053:227795090	227794443	c	NM_032018	4	CDS	83932	C1orf124	chromosome 1 open reading frame 124
Hs.554905.1.3	chr16:70220899:70231793	70221078	c	NM_001017967	2	CDS	91862	MARVELD3	MARVEL domain containing 3
Hs.554913.1.2	chr3:197538924:197531413	197538730	c	NM_138461	5	3UTR	116211	TM4SF19	transmembrane 4 L six family member 19
Hs.554913.1.5	chr3:197538924:197531413	197538896	c	NM_138461	5	3UTR	116211	TM4SF19	transmembrane 4 L six family member 19
Hs.554926.1.8	chr1:194436372:194415862	194434796	c	NM_144977	3	CDS	163486	FAM31B	family with sequence similarity 31, member B
Hs.554933.1.5	chr7:102089174:102067373	102089079	c	NM_145032	17	CDS	222235	FBXL13	F-box and leucine-rich repeat protein 13
Hs.554955.1.2	chr10:21475276:21455059	21475116	c	NM_001010896	1	CDS	387638	C10orf113	chromosome 10 open reading frame 113
Hs.554988.3.12	chr15:26702954:26707564	26703125	c	BC047911	4	CDS	NA	NA	NA
Hs.55682.1.6	chr22:35237024:35233150	35236899	c	NM_003753	12	CDS	8664	EIF3S7	eukaryotic translation initiation factor 3, subunit 7 zeta, 66/67kDa
Hs.56.1.7	chrX:106690376:106691740	106690499	c	NM_002764	3	CDS	5631	PRPS1	phosphoribosyl pyrophosphate synthetase 1
Hs.5741.1.9	chr6:84685893:84687519	84685918	c	NM_016230	7	CDS	51167	CYB5R4	cytochrome b5 reductase 4
Hs.57718.1.4	chr8:27376412:27375189	27376248	c	NM_000742	6	CDS	1135	CHRNA2	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)
Hs.57988.1.24	chr16:51117:50538	50859	c	NM_022450	10	CDS	64285	RHBDF1	rhomoid family 1 (Drosophila)
Hs.58559.1.10	chr10:63669412:63666029	63669192	c	NM_145307	5	CDS	219790	PLEKHK1	pleckstrin homology domain containing, family K member 1
Hs.58559.1.13	chr10:63669412:63666029	63669368	c	NM_145307	5	CDS	219790	PLEKHK1	pleckstrin homology domain containing, family K member 1
Hs.58559.1.3	chr10:63628047:63614153	63622963	c	AK096671	8	CDS	219790	PLEKHK1	pleckstrin homology domain containing, family K member 1
Hs.58559.1.8	chr10:63669412:63666029	63667922	c	NM_145307	5	CDS	219790	PLEKHK1	pleckstrin homology domain containing, family K member 1
Hs.58668.1.10	chr21:46535805:46540503	46536539	c	NM_058181	3	CDS	54059	C21orf57	chromosome 21 open reading frame 57
Hs.58668.1.9	chr21:46535805:46540503	46536279	c	NM_058181	3	CDS	54059	C21orf57	chromosome 21 open reading frame 57
Hs.58831.1.23	chr1:203475498:203474783	203475128	c	NM_005449	2	CDS	9214	FAIM3	Fas apoptotic inhibitory molecule 3
Hs.58877.1.1	chr1:182678771:182681766	182678934	c	NM_031935	16	CDS	83872	HMCN1	hemicentin 1
Hs.58877.1.4	chr1:182694099:182695603	182694226	c	NM_031935	23	CDS	83872	HMCN1	hemicentin 1
Hs.58974.1.10	chr4:123106905:123104754	123106487	c	NM_176824	18	CDS	55212	BBS7	Bardet-Biedl syndrome 7
Hs.58974.1.27	chr4:123140263:123137939	123140252	c	NM_018190	4	CDS	55212	BBS7	Bardet-Biedl syndrome 7
Hs.59236.1.33	chr19:37822101:37814241	37820039	c	NM_032139	12	CDS	84079	ANKRD27	ankyrin repeat domain 27 (VPS9 domain)
Hs.59425.1.14	chr1:6526788:6526406	6526555	c	NM_024654	8	CDS	79707	FLJ23323	hypothetical protein FLJ23323
Hs.59504.1.5	chr9:124813202:124794787	124813091	c	NM_173690	18	CDS	286205	C9orf126	chromosome 9 open reading frame 126
Hs.59719.1.11	chr14:59689409:59686659	59689195	c	NM_016029	4	CDS	51635	DHRS7	dehydrogenase/reductase (SDR family) member 7

Hs.59804.1.10	chr9:89173356:89177376	89174901	c	NM_024077	5	CDS	79048	SECISBP2	SECIS binding protein 2
Hs.59804.1.16	chr9:89184423:89185815	89184430	c	NM_024077	9	CDS	79048	SECISBP2	SECIS binding protein 2
Hs.60377.1.9	chr12:107688527:107685487	107688166	c	NM_018984	14	CDS	54434	SSH1	slingshot homolog 1 (Drosophila)
Hs.61184.1.6	chrX:129271035:129271869	129271042	c	NM_016024	4	CDS	51634	RBMX2	RNA binding motif protein, X-linked 2
Hs.61271.1.10	chr4:156647342:156640899	156646923	c	NM_024826	5	CDS	79884	FLJ21159	ASAP
Hs.61590.1.19	chr2:159901380:159901709	159901519	c	NM_033394	21	CDS	85461	TANC	TPR domain, ankyrin-repeat and coiled-coil-containing
Hs.62209.1.13	chr22:30295933:30298921	30296196	c	NM_001007467	10	CDS	9814	SFI1	Sfi1 homolog, spindle assembly associated (yeast)
Hs.62595.1.1	chr9:132789033:132792309	132789249	c	NM_018956	2	CDS	11092	C9orf9	chromosome 9 open reading frame 9
Hs.62661.1.26	chr1:89235695:89234839	89235243	c	NM_002053	6	CDS	2633	GBP1	guanylate binding protein 1, interferon-inducible, 67kDa
Hs.62771.1.11	chr16:88553065:88554839	88553274	c	NM_207514	6	CDS	54849	FLJ20186	hypothetical protein FLJ20186
Hs.62880.1.3	chr22:48849135:48849542	48849261	c	NM_018995	4	CDS	54456	MOV10L1	Mov10l1, Moloney leukemia virus 10-like 1, homolog (mouse)
Hs.63335.1.15	chr16:67958210:67952894	67957597	c	NM_005652	7	CDS	7014	TERF2	telomeric repeat binding factor 2
Hs.63335.1.16	chr16:67958210:67952894	67957844	c	NM_005652	7	CDS	7014	TERF2	telomeric repeat binding factor 2
Hs.63795.1.21	chr1:26287394:26287768	26287627	c	AK024038	13	CDS	64793	CCDC21	coiled-coil domain containing 21
Hs.65256.1.19	chr19:40314129:40309762	40313828	c	NM_139284	7	CDS	163175	LGI4	leucine-rich repeat LGI family, member 4
Hs.65256.1.20	chr19:40314129:40309762	40313944	c	NM_139284	7	CDS	163175	LGI4	leucine-rich repeat LGI family, member 4
Hs.656.1.24	chr5:137689402:137682963	137689379	c	NM_001790	6	CDS	995	CDC25C	cell division cycle 25C
Hs.65735.1.8	chr16:30679105:30678547	30678859	c	NM_001014979	3	CDS	90835	LOC90835	hypothetical protein LOC90835
Hs.65758.1.102	chr6:33769461:33770678	33770061	c	NM_002224	56	CDS	3710	ITPR3	inositol 1,4,5-triphosphate receptor, type 3
Hs.66.1.15	chr2:102418394:102422922	102418731	c	NM_016232	8	CDS	9173	IL1RL1	interleukin 1 receptor-like 1
Hs.66.1.16	chr2:102418394:102422922	102418785	c	NM_016232	8	CDS	9173	IL1RL1	interleukin 1 receptor-like 1
Hs.66.1.18	chr2:102418394:102422922	102419701	c	NM_016232	8	CDS	9173	IL1RL1	interleukin 1 receptor-like 1
Hs.6651.1.4	chr1:168405183:168402882	168404747	c	NM_201994	8	3UTR	8674	VAMP4	vesicle-associated membrane protein 4
Hs.6734.1.12	chr15:88247451:88246040	88247110	c	NM_182616	5	CDS	348110	MGC61550	hypothetical protein MGC61550
Hs.6764.1.14	chrX:48421363:48422688	48421616	c	NM_006044	8	CDS	10013	HDAC6	histone deacetylase 6
Hs.6764.1.7	chrX:48420328:48421023	48420511	c	NM_006044	6	CDS	10013	HDAC6	histone deacetylase 6
Hs.6834.1.14	chr11:47701103:47698215	47701078	c	NM_015308	15	CDS	23360	FNBP4	formin binding protein 4
Hs.6834.1.15	chr11:47701103:47698215	47701103	c	NM_015308	15	CDS	23360	FNBP4	formin binding protein 4
Hs.6834.1.41	chr11:47722080:47714869	47722041	c	NM_015308	8	CDS	23360	FNBP4	formin binding protein 4
Hs.69594.1.20	chr15:75558719:75562366	75559001	c	NM_018200	10	3UTR	10363	HMG20A	high-mobility group 20A
Hs.69771.1.35	chr6:32025314:32025805	32025349	c	NM_001710	10	CDS	629	BF	B-factor, properdin
Hs.70903.1.6	chr20:9967296:9971769	9967620	c	NM_022096	3	CDS	63926	ANKRD5	ankyrin repeat domain 5
Hs.7099.1.15	chr4:505731:507247	506625	c	NM_017733	8	CDS	54872	GPI7	GPI7 protein
Hs.7099.1.24	chr4:511020:514224	511330	c	NM_017733	10	CDS	54872	GPI7	GPI7 protein
Hs.71941.1.16	chr19:41195762:41194207	41195409	c	NM_032878	3	CDS	84964	MGC15677	hypothetical protein MGC15677
Hs.72026.1.3	chr16:2808972:2810956	2809258	c	NM_006799	4	CDS	10942	PRSS21	protease, serine, 21 (testisin)
Hs.7296.1.2	chr17:54643954:54644483	54644187	c	NM_018149	1	CDS	55181	FLJ10587	hypothetical protein FLJ10587
Hs.73793.1.2	chr6:43847028:43850055	43847139	c	NM_003376	1	CDS	7422	VEGF	vascular endothelial growth factor
Hs.73923.1.9	chr10:118342044:118344231	118342690	c	NM_006229	3	CDS	5407	PNLIPRP1	pancreatic lipase-related protein 1
Hs.73962.1.13	chr6:94176939:94124851	94176093	c	NM_004440	3	CDS	2045	EPHA7	EPH receptor A7
Hs.75243.1.8	chr6:33048683:33050216	33049180	c	NM_005104	2	CDS	6046	BRD2	bromodomain containing 2
Hs.75249.1.11	chr16:18717523:18716868	18717462	c	NM_015161	2	CDS	23204	ARL6IP	ADP-ribosylation factor-like 6 interacting protein
Hs.75516.1.8	chr19:10324109:10322839	10323733	c	NM_003331	23	CDS	7297	TYK2	tyrosine kinase 2
Hs.75535.1.9	chr12:109819627:109816315	109819353	c	NM_000432	1	CDS	4633	MYL2	myosin, light polypeptide 2, regulatory, cardiac, slow
Hs.75573.1.17	chr4:104395337:104393314	104395125	c	Z15005	46	CDS	1062	CENPE	centromere protein E, 312kDa
Hs.75667.1.24	chrX:48811797:48810670	48811398	c	NM_003179	2	CDS	6855	SYP	synaptophysin
Hs.75694.1.12	chr15:72972715:72975545	72973180	c	NM_002435	5	CDS	4351	MPI	mannose phosphate isomerase
Hs.75694.1.16	chr15:72975720:72976404	72976091	c	NM_002435	6	CDS	4351	MPI	mannose phosphate isomerase

Hs.75812.1.17	chr14:23639263:23641801	23639611	c	NM_004563	7	CDS	5106	PCK2	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
Hs.76253.1.17	chr12:110356552:110354370	110356400	c	NM_002973	23	CDS	6311	ATXN2	ataxin 2
Hs.76494.1.12	chr1:200184943:200187490	200185054	c	NM_002725	2	CDS	5549	PRELP	proline/arginine-rich end leucine-rich repeat protein
Hs.7720.1.69	chr14:101553595:101554540	101553705	c	NM_001376	40	CDS	1778	DNCH1	dynein, cytoplasmic, heavy polypeptide 1
Hs.77498.1.10	chr17:71820545:71819377	71820466	c	NM_002766	10	CDS	5635	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1
Hs.77558.1.3	chr6:79968752:79968163	79968330	c	NM_138730	5	CDS	9324	HMGN3	high mobility group nucleosomal binding domain 3
Hs.77719.1.32	chr2:85697697:85697387	85697508	c	NM_000821	3	CDS	2677	GGCX	gamma-glutamyl carboxylase
Hs.77770.1.13	chr8:42142236:42144340	42142457	c	BC056257	5	CDS	10947	AP3M2	adaptor-related protein complex 3, mu 2 subunit
Hs.77770.1.14	chr8:42142236:42144340	42142558	c	BC056257	5	CDS	10947	AP3M2	adaptor-related protein complex 3, mu 2 subunit
Hs.78061.1.6	chr6:134254642:134255985	134254926	c	NM_198392	2	3UTR	6943	TCF21	transcription factor 21
Hs.78061.1.7	chr6:134254642:134255985	134255088	c	NM_198392	2	3UTR	6943	TCF21	transcription factor 21
Hs.7884.1.10	chr11:74558458:74561071	74558697	c	NM_007256	6	CDS	11309	SLCO2B1	solute carrier organic anion transporter family, member 2B1
Hs.7886.1.23	chr2:64243485:64239285	64243288	c	NM_020651	2	CDS	57162	PEL1	pellino homolog 1 (Drosophila)
Hs.79015.1.11	chr3:113551357:113563079	113551506	c	NM_001004196	6	CDS	4345	CD200	CD200 antigen
Hs.79081.1.12	chr12:109622659:109621691	109622333	c	NM_002710	6	CDS	5501	PPP1CC	protein phosphatase 1, catalytic subunit, gamma isoform
Hs.79081.1.14	chr12:109622659:109621691	109622433	c	NM_002710	6	CDS	5501	PPP1CC	protein phosphatase 1, catalytic subunit, gamma isoform
Hs.79101.1.7	chr5:162800916:162801469	162801026	c	NM_004060	3	CDS	900	CCNG1	cyclin G1
Hs.79136.1.13	chr18:31945019:31943707	31944961	c	NM_012319	11	CDS	25800	SLC39A6	solute carrier family 39 (zinc transporter), member 6
Hs.8004.1.13	chr3:125596881:125600233	125597068	c	NM_003947	12	CDS	8997	KALRN	kalirin, RhoGEF kinase
Hs.80343.1.7	chr16:56632104:56633021	56632272	c	NM_002428	5	CDS	4324	MMP15	matrix metalloproteinase 15 (membrane-inserted)
Hs.80741.1.35	chr13:99965823:99977929	99969291	c	NM_000282	22	CDS	5095	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide
Hs.8118.1.10	chr18:2718595:2719272	2718828	c	AK126324	8	5UTR	23347	SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1
Hs.8118.1.3	chr18:2696469:2697560	2696499	c	AK126324	1	5UTR	23347	SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1
Hs.82201.1.14	chr16:56755458:56749759	56755416	c	NM_001896	11	3UTR	1459	CSNK2A2	casein kinase 2, alpha prime polypeptide
Hs.82407.1.9	chr17:4584626:4584524	4584567	c	NM_022059	5	3UTR	58191	CXCL16	chemokine (C-X-C motif) ligand 16
Hs.83147.1.7	chr6:30622451:30622070	30622241	c	NM_005275	11	CDS	2794	GNL1	guanine nucleotide binding protein-like 1
Hs.83313.1.3	chr7:39383467:39385115	39383553	c	NM_020192	2	CDS	57002	C7orf36	chromosome 7 open reading frame 36
Hs.83734.1.9	chr16:30953359:30953791	30953696	c	NM_004604	4	CDS	6810	STX4A	syntaxin 4A (placental)
Hs.8417.1.5	chr17:3715950:3712327	3715200	c	NM_032294	15	CDS	84254	CAMKK1	calcium/calmodulin-dependent protein kinase kinase 1, alpha
Hs.8517.1.13	chr19:53670019:53673137	53670217	c	NM_004228	8	CDS	9266	PSCD2	pleckstrin homology, Sec7 and coiled-coil domains 2 (cytohesin-2)
Hs.85603.1.27	chr7:22791127:22790281	22791023	c	NM_032581	4	CDS	84668	DRCTNNB1A	down-regulated by Ctnnb1, a
Hs.8578.1.19	chr12:46426909:46424119	46424503	c	BC068477	15	3UTR	10411	RAPGEF3	Rap guanine nucleotide exchange factor (GEF) 3
Hs.85863.1.4	chr19:63266722:63269920	63266973	c	NM_003436	4	CDS	7694	ZNF135	zinc finger protein 135 (clone pHZ-17)
Hs.86392.1.11	chr7:150370347:150371141	150370865	c	NM_019015	2	CDS	54480	CSG1c-A	chondroitin sulfate glucuronyltransferase
Hs.87128.1.33	chr9:5813895:5803036	5813774	c	NM_024896	4	CDS	79956	KIAA1815	KIAA1815
Hs.8752.1.12	chr12:54994901:54991466	54994549	c	NM_014255	3	CDS	10330	TMEM4	transmembrane protein 4
Hs.87889.1.19	chr14:94631914:94630247	94631436	c	NM_030621	24	CDS	23405	DICER1	Dicer1, Dcr-1 homolog (Drosophila)

Hs.8878.1.16	chr10:94371211:94378544	94371330	c	NM_004523	10	CDS	3832	KIF11	kinesin family member 11
Hs.88977.1.13	chr6:8035417:8025263	8035195	c	NM_004280	3	CDS	9521	EEF1E1	eukaryotic translation elongation factor 1 epsilon 1
Hs.89029.1.7	chr10:45433593:45432026	45433232	c	NM_174890	9	CDS	93550	ANUBL1	AN1, ubiquitin-like, homolog (Xenopus laevis)
Hs.89497.1.14	chr5:126182734:126184500	126182825	c	NM_005573	6	CDS	4001	LMNB1	lamin B1
Hs.89626.1.7	chr12:28007547:28002769	28006528	c	NM_198965	4	CDS	5744	PTH1H	parathyroid hormone-like hormone
Hs.89771.1.7	chr2:27657113:27657786	27657289	c	NM_001486	18	CDS	2646	GCKR	glucokinase (hexokinase 4) regulator
Hs.89983.1.16	chr3:188457153:188453806	188456796	c	NM_001879	5	CDS	5648	MASP1	mannan-binding lectin serine protease 1 (C4/C2 activating component of Ra-reactive factor)
Hs.9003.1.31	chr16:31418123:31415773	31417997	c	NM_022744	5	CDS	64755	FLJ13868	hypothetical protein FLJ13868
Hs.90093.1.1	chr5:132415949:132428570	132416560	c	NM_002154	1	CDS	3308	HSPA4	heat shock 70kDa protein 4
Hs.90280.1.21	chr2:216037171:216039322	216037469	c	NM_004044	14	CDS	471	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase
Hs.90527.1.12	chr12:81253206:81250842	81253184	c	NM_014167	2	CDS	29080	HSPC128	HSPC128 protein
Hs.90572.1.25	chr6:43208404:43217383	43209437	c	NM_152881	7	CDS	5754	PTK7	PTK7 protein tyrosine kinase 7
Hs.90572.1.47	chr6:43221149:43222333	43221532	c	NM_002821	16	CDS	5754	PTK7	PTK7 protein tyrosine kinase 7
Hs.90572.1.6	chr6:43204981:43205442	43205164	c	NM_002821	2	CDS	5754	PTK7	PTK7 protein tyrosine kinase 7
Hs.90753.1.5	chr11:20345404:20354701	20345777	c	NM_006410	3	CDS	10553	HTATIP2	HIV-1 Tat interactive protein 2, 30kDa
Hs.91085.1.9	chr3:57591187:57589653	57591116	c	NM_152678	18	CDS	201627	FLJ34969	hypothetical protein FLJ34969
Hs.91531.1.31	chr17:34130527:34131656	34130935	c	NM_005937	16	CDS	4302	MLLT6	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6
Hs.91608.1.5	chr2:26607037:26605670	26606851	c	NM_004802	13	CDS	9381	OTOF	otoferlin
Hs.91816.1.4	chr11:113775920:113767598	113775011	c	BC071695	1	CDS	54494	FLJ20010	hypothetical protein FLJ20010
Hs.9196.1.6	chr9:97751796:97746830	97751421	c	NM_016481	4	CDS	51531	C9orf156	chromosome 9 open reading frame 156
Hs.92858.1.4	chr6:42238812:42249048	42239131	c	NM_000409	2	5UTR	2978	GUCA1A	guanylate cyclase activator 1A (retina)
Hs.93485.1.6	chr2:165992613:165994041	165992762	c	NM_021007	7	CDS	6326	SCN2A2	sodium channel, voltage-gated, type II, alpha 2
Hs.93534.1.17	chr6:147702214:147716151	147703525	c	AK090549	11	CDS	134957	STXBP5	syntaxin binding protein 5 (tomosyn)
Hs.93534.1.3	chr6:147568898:147598078	147569330	c	NM_139244	3	CDS	134957	STXBP5	syntaxin binding protein 5 (tomosyn)
Hs.936.1.7	chr5:176756682:176757389	176756912	c	NM_003052	12	CDS	6569	SLC34A1	solute carrier family 34 (sodium phosphate), member 1
Hs.93667.1.2	chr10:105872835:105873461	105873306	c	NM_001002759	2	CDS	119392	C10orf78	chromosome 10 open reading frame 78
Hs.93842.1.10	chr5:110864598:110863704	110863744	c	NM_139164	5	CDS	134429	STARD4	START domain containing 4, sterol regulated
Hs.94070.1.11	chr9:92266038:92259412	92266038	c	NM_005014	1	5UTR	4958	OMD	osteomodulin
Hs.94229.1.48	chr19:14134417:14133439	14134274	c	NM_001008701	6	CDS	22859	LPHN1	latrophilin 1
Hs.9527.1.3	chr2:27347818:27349839	27347952	c	NM_016085	2	CDS	51374	C2orf28	chromosome 2 open reading frame 28
Hs.95612.1.15	chr18:26902857:26902309	26902558	c	NM_004949	15	CDS	1824	DSC2	desmocollin 2
Hs.96094.1.3	chr8:42706850:42710783	42706951	c	NM_000749	5	CDS	1142	CHRNB3	cholinergic receptor, nicotinic, beta polypeptide 3
Hs.96247.1.8	chr1:227985093:228003608	227985330	c	NM_005999	4	CDS	7257	TSNAX	translin-associated factor X
Hs.96513.1.19	chr2:234184070:234181908	234183312	c	NM_018218	23	CDS	55230	USP40	ubiquitin specific protease 40
Hs.96852.1.8	chr15:72714802:72712341	72714575	c	NM_025083	6	CDS	80153	FLJ21128	hypothetical protein FLJ21128
Hs.97316.1.19	chr2:233584970:233583266	233584817	c	NM_019850	6	CDS	25791	NGEF	neuronal guanine nucleotide exchange factor
Hs.97432.1.21	chr2:46225153:46283882	46225214	c	NM_005400	11	CDS	5581	PRKCE	protein kinase C, epsilon
Hs.9754.1.8	chr19:55126098:55127490	55126196	c	NM_012068	2	CDS	22809	ATF5	activating transcription factor 5
Hs.97627.1.9	chr7:106810989:106811708	106811161	c	NM_181581	7	CDS	11062	DUS4L	dihydropyridine synthase 4-like (S. cerevisiae)
Hs.97997.1.29	chr5:31500099:31487505	31499952	c	NM_013235	19	CDS	29102	RNASEN	ribonuclease III, nuclear
Hs.97997.1.48	chr5:31561942:31557080	31561590	c	NM_013235	4	CDS	29102	RNASEN	ribonuclease III, nuclear
Hs.98041.1.10	chr14:67287521:67285110	67286943	c	NM_015346	41	CDS	23503	ZFYVE26	zinc finger, FYVE domain containing 26
Hs.98117.1.26	chr13:45844076:45840952	45843451	c	NM_025113	2	CDS	80183	C13orf18	chromosome 13 open reading frame 18
Hs.98255.1.4	chr9:91568377:91566945	91568284	c	NM_004560	8	CDS	4920	ROR2	receptor tyrosine kinase-like orphan receptor 2
Hs.98262.1.11	chr6:102444432:102479168	102444700	c	NM_021956	11	CDS	2898	GRIK2	glutamate receptor, ionotropic, kainate 2

Hs.98328.1.7	chr11:101451987:101457155	101452052	c	NM_032930	4	CDS	85016	MGC13040	hypothetical protein MGC13040
Hs.98594.1.14	chr8:1839025:1841143	1839123	c	NM_014629	16	CDS	9639	ARHGEF10	Rho guanine nucleotide exchange factor (GEF) 10
Hs.98704.1.23	chr3:114482691:114484947	114482891	c	NM_033254	15	CDS	91653	BOC	brother of CDO
Hs.98704.1.9	chr3:114452371:114469835	114453122	c	NM_033254	4	CDS	91653	BOC	brother of CDO
Hs.99120.1.1	chrY:13459450:13461881	13459738	c	NM_004660	3	CDS	8653	DDX3Y	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked
Hs.99120.1.11	chrY:13464693:13464926	13464925	c	NM_004660	8	CDS	8653	DDX3Y	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked
Hs.99195.1.19	chr4:22070436:22067076	22069954	c	NM_145290	17	CDS	166647	GPR125	G protein-coupled receptor 125
Hs.99195.1.31	chr4:22098777:22091707	22097930	c	NM_145290	12	CDS	166647	GPR125	G protein-coupled receptor 125
Hs.99480.1.11	chr8:27690606:27693609	27691953	c	NM_001017420	3	CDS	157570	ESCO2	establishment of cohesion 1 homolog 2 (<i>S. cerevisiae</i>)
Hs.100914.1.50	chr18:13106503:13107583	13107527	s	NM_018069	37	3UTR	55125	Cep192	centrosomal protein 192 kDa
Hs.102471.1.5	chr6:144116743:144123230	144118329	s	NM_014721	4	CDS	9749	PHACTR2	phosphatase and actin regulator 2
Hs.103183.1.11	chrX:146719829:146723574	146720752	s	M67468	9	CDS	2332	FMR1	fragile X mental retardation 1
Hs.106513.1.3	chr4:167304189:167318095	167309716	s	NM_012464	9	CDS	7092	TLL1	tolloid-like 1
Hs.107101.1.11	chr1:2157239:2153383	2155520	s	NM_182533	3	CDS	199990	C1orf86	chromosome 1 open reading frame 86
Hs.107196.1.15	chr15:33617766:33534314	33599766	s	NM_080650	3	CDS	89978	MGC14798	similar to RIKEN cDNA 5730421E18 gene
Hs.108301.1.9	chr12:93927592:93924769	93926653	s	NM_003297	10	CDS	7181	NR2C1	nuclear receptor subfamily 2, group C, member 1
Hs.108530.1.15	chr6:76025215:76022732	76024533	s	NM_018247	6	CDS	55754	TMEM30A	transmembrane protein 30A
Hs.108614.1.48	chr3:33619447:33613231	33618939	s	NM_015097	18	CDS	23122	CLASP2	cytoplasmic linker associated protein 2
Hs.109929.1.29	chrX:48595638:48594533	48594722	s	NM_020137	17	CDS	56850	GRIPAP1	GRIP1 associated protein 1
Hs.111286.1.7	chr15:86812260:86819344	86816855	s	NM_176805	2	CDS	64963	MRPS11	mitochondrial ribosomal protein S11
Hs.111749.1.11	chr2:190495987:190508248	190497078	s	NM_000534	4	CDS	5378	PMS1	PMS1 postmeiotic segregation increased 1 (<i>S. cerevisiae</i>)
Hs.112556.1.20	chr11:123116034:123106904	123114543	s	NM_003455	3	5UTR	7753	ZNF202	zinc finger protein 202
Hs.112743.1.7	chr1:115115473:115129168	115117772	s	NM_003176	8	CDS	6847	SYCP1	synaptonemal complex protein 1
Hs.112783.1.15	chr6:143528014:143646939	143553432	s	NM_016108	3	CDS	51390	AIG1	androgen-induced 1
Hs.113874.1.34	chr17:26600264:26609487	26603948	s	NM_000267	30	CDS	4763	NF1	neurofibromin 1 (neurofibromatosis, von Recklinghausen disease, Watson disease)
Hs.114198.1.9	chr15:65710320:65725622	65720881	s	NM_002757	9	CDS	5607	MAP2K5	mitogen-activated protein kinase kinase 5
Hs.115099.1.17	chr22:34919875:34915984	34918001	s	NM_030643	4	CDS	80832	APOL4	apolipoprotein L, 4
Hs.115277.1.12	chrY:13873565:13856262	13873045	s	NM_007125	19	CDS	7404	UTY	ubiquitously transcribed tetratricopeptide repeat gene, Y-linked
Hs.115461.1.4	chr18:28808508:28772054	28791969	s	NM_198995	22	CDS	374864	C18orf34	chromosome 18 open reading frame 34
Hs.115474.1.25	chr13:33307355:33438223	33309172	s	NM_181558	8	3UTR	5983	RFC3	replication factor C (activator 1) 3, 38kDa
Hs.115474.1.26	chr13:33307355:33438223	33309633	s	NM_181558	8	3UTR	5983	RFC3	replication factor C (activator 1) 3, 38kDa
Hs.116029.1.6	chr14:103110261:103123363	103110822	s	NM_032374	3	CDS	84334	C14orf153	chromosome 14 open reading frame 153
Hs.116448.1.27	chr2:191621870:191643796	191623265	s	NM_014905	14	CDS	2744	GLS	glutaminase
Hs.116448.1.28	chr2:191621870:191643796	191623344	s	NM_014905	14	CDS	2744	GLS	glutaminase
Hs.116470.1.4	chr6:25558919:25574079	25560804	s	NM_017640	8	CDS	55604	LRRRC16	leucine rich repeat containing 16
Hs.117545.1.20	chr5:58512177:58370556	58488675	s	NM_006203	5	CDS	5144	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, <i>Drosophila</i>)
Hs.117545.1.23	chr5:58512177:58488947	58505933	s	BC008390	5	CDS	5144	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, <i>Drosophila</i>)
Hs.118722.1.20	chr14:65205952:65269701	65258442	s	NM_178157	1	CDS	2530	FUT8	fucosyltransferase 8 (alpha (1,6) fucosyltransferase)
Hs.118918.1.5	chr17:8134884:8134028	8134527	s	NM_201520	4	CDS	399512	SLC25A35	solute carrier family 25, member 35
Hs.119316.1.26	chr4:1530037528:152998296	153000712	s	NM_004564	2	CDS	5188	PET112L	PET112-like (yeast)
Hs.119897.1.18	chr10:134015248:134019283	134016890	s	NM_030626	7	CDS	80313	LRRRC27	leucine rich repeat containing 27

Hs.119897.1.23	chr10:134029045:134038559	134030495	s	NM_030626	10	CDS	80313	LRRC27	leucine rich repeat containing 27
Hs.120330.1.10	chr5:178511748:178499643	178510495	s	NM_014244	10	CDS	9509	ADAMTS2	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 2
Hs.120658.1.21	chr5:38954922:38957473	38955416	s	NM_003999	11	CDS	9180	OSMR	oncostatin M receptor
Hs.120759.1.29	chr2:21159456:21158217	21158694	s	NM_000384	16	CDS	338	APOB	apolipoprotein B (including Ag(x) antigen)
Hs.120963.1.17	chr17:3674102:3672096	3672549	s	NM_018553	2	5UTR	55421	HSA277841	ELG protein
Hs.121335.1.11	chr3:9743871:9746190	9744134	s	NM_153635	19	CDS	151835	LOC151835	copine family member
Hs.122082.1.9	chr5:78355849:78336987	78352256	s	NM_013391	14	CDS	29958	DMGDH	dimethylglycine dehydrogenase
Hs.122926.1.13	chr5:142642325:142639170	142641569	s	NM_001020825	8	CDS	2908	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)
Hs.122927.1.3	chr2:29266763:29268171	29267387	s	NM_024692	4	CDS	79745	RSNL2	restin-like 2
Hs.123116.1.4	chr15:46300486:46305964	46300928	s	BC040138	3	CDS	6557	SLC12A1	solute carrier family 12 (sodium/potassium/chloride transporters), member 1
Hs.123116.1.9	chr15:46314494:46321003	46316838	s	NM_000338	8	CDS	6557	SLC12A1	solute carrier family 12 (sodium/potassium/chloride transporters), member 1
Hs.123352.1.14	chr18:12791968:12775844	12784038	s	NM_080423	8	CDS	5771	PTPN2	protein tyrosine phosphatase, non-receptor type 2
Hs.12381.1.2	chr12:127936580:127954750	127939886	s	BC043528	7	3UTR	144423	FLJ31978	hypothetical protein FLJ31978
Hs.12451.1.5	chr14:99414710:99427288	99422195	s	NM_001008707	5	CDS	2009	EML1	echinoderm microtubule associated protein like 1
Hs.124519.1.11	chr13:35662082:35647007	35654129	s	NM_017826	6	CDS	54937	FLJ20449	hypothetical protein FLJ20449
Hs.125849.1.15	chr8:37721373:37726234	37722508	s	NM_007175	6	CDS	11160	SPFH2	SPFH domain family, member 2
Hs.125849.1.16	chr8:37721373:37726234	37722570	s	NM_007175	6	CDS	11160	SPFH2	SPFH domain family, member 2
Hs.125849.1.18	chr8:37721373:37726234	37723224	s	NM_007175	6	CDS	11160	SPFH2	SPFH domain family, member 2
Hs.126221.1.12	chr21:44303524:44307846	44304564	s	NM_003274	6	CDS	7109	TMEM1	transmembrane protein 1
Hs.12646.1.16	chr7:139187218:139181673	139186826	s	NM_022750	8	CDS	64761	PARP12	poly (ADP-ribose) polymerase family, member 12
Hs.127013.1.38	chr3:62606436:62553464	62585945	s	NM_003716	6	CDS	8618	CADPS	Ca ²⁺ -dependent secretion activator
Hs.127401.1.10	chr2:27580262:27579968	27580131	s	NM_015662	45	CDS	26160	SLB	selective LIM binding factor, rat homolog
Hs.127401.1.21	chr2:27587901:27584615	27587655	s	NM_015662	35	CDS	26160	SLB	selective LIM binding factor, rat homolog
Hs.127657.1.15	chr3:158660671:158628980	158660113	s	NM_024621	4	CDS	79674	VEPH1	ventricular zone expressed PH domain homolog 1 (zebrafish)
Hs.127657.1.16	chr3:158660671:158628980	158660185	s	NM_024621	4	CDS	79674	VEPH1	ventricular zone expressed PH domain homolog 1 (zebrafish)
Hs.127951.1.11	chrX:19802725:19794101	19799123	s	NM_152780	9	CDS	256714	FLJ14503	hypothetical protein FLJ14503
Hs.128002.1.1	chr17:9027012:9065209	9027718	s	NM_004822	5	CDS	9423	NTN1	netrin 1
Hs.128065.1.19	chr11:87707752:87685371	87698907	s	NM_001814	2	CDS	1075	CTSC	cathepsin C
Hs.128067.1.31	chr2:175265438:175262682	175264965	s	NM_003387	4	CDS	7456	WASPIP	Wiskott-Aldrich syndrome protein interacting protein
Hs.128146.1.4	chr3:57484349:57471747	57483196	s	NM_198564	4	CDS	375347	FLJ44290	FLJ44290 protein
Hs.128279.1.6	chr18:6036726:5959562	6019386	s	AK093255	17	CDS	91133	L3MBTL4	l(3)mbt-like 4 (Drosophila)
Hs.12851.1.2	chr11:450289:463894	450879	s	NM_030783	2	CDS	81490	PTDSS2	phosphatidyserine synthase 2
Hs.128548.1.12	chr4:9755196:9753378	9754801	s	NM_005112	11	CDS	9948	WDR1	WD repeat domain 1
Hs.128594.1.11	chr3:54761745:54773284	54762678	s	NM_018398	12	CDS	55799	CACNA2D3	calcium channel, voltage-dependent, alpha 2/delta 3 subunit
Hs.128696.1.26	chr5:55043036:55029578	55035869	s	NM_173514	2	5UTR	153129	FLJ90709	hypothetical protein FLJ90709
Hs.129165.1.11	chr19:42530615:42544850	42542518	s	NM_181786	5	CDS	284459	HKR1	GLI-Kruppel family member HKR1
Hs.129195.1.9	chr10:126360165:126302164	126345749	s	NM_014661	4	CDS	9679	FAM53B	family with sequence similarity 53, member B
Hs.129702.1.16	chr20:17437533:17427686	17435473	s	NM_001195	5	CDS	631	BFSP1	beaded filament structural protein 1, filensin
Hs.130262.1.7	chr16:1389375:1387298	1388307	s	NM_024023	7	CDS	64718	UNKL	unkempt-like (Drosophila)
Hs.130535.1.6	chr4_random:915541:900450	913902	s	NM_001004347	3	3UTR	441058	MGC39584	hypothetical gene supported by BC029568

Hs.130690.1.20	chr13:99341693:99355524	99342821	s	NM_138280	8	3UTR	171425	CLYBL	citrate lyase beta like
Hs.130979.1.3	chr15:79223217:79227253	79226833	s	BC062471	5	CDS	161502	C15orf26	chromosome 15 open reading frame 26
Hs.131704.1.14	chr10:33526583:33521353	33523309	s	BX648250	12	CDS	8829	NRP1	neuropilin 1
Hs.131704.1.15	chr10:33526583:33521353	33524358	s	BX648250	12	CDS	8829	NRP1	neuropilin 1
Hs.131704.1.21	chr10:33536505:33531930	33534381	s	BX648250	10	CDS	8829	NRP1	neuropilin 1
Hs.131903.1.17	chr6:169876003:169869737	169875490	s	NM_182552	13	CDS	253769	WDR27	WD repeat domain 27
Hs.131903.1.3	chr6:169790146:169675362	169776053	s	NM_182552	25	CDS	253769	WDR27	WD repeat domain 27
Hs.132310.1.2	chr11:59568824:59570992	59570940	s	NM_173801	3	CDS	219990	FLJ36198	hypothetical protein FLJ36198
Hs.132439.1.23	chr7:102756419:102753915	102754658	s	NM_005045	48	CDS	5649	RELN	reelin
Hs.132441.1.16	chr5:126278520:126241986	126262464	s	NM_178450	3	CDS	115123	MARCH3	membrane-associated ring finger (C3HC4) 3
Hs.132513.1.8	chr11:43732248:43776445	43733656	s	NM_016142	3	CDS	51144	HSD17B12	hydroxysteroid (17-beta) dehydrogenase 12
Hs.132593.1.15	chr4:122132177:122100106	122116764	s	NM_018699	3	CDS	11107	PRDM5	PR domain containing 5
Hs.13291.1.24	chr4:78442812:78457287	78445108	s	BC032518	7	CDS	901	CCNG2	cyclin G2
Hs.132954.1.4	chr6:161940296:161778321	161936555	s	NM_004562	9	CDS	5071	PARK2	Parkinson disease (autosomal recessive, juvenile) 2, parkin
Hs.133062.1.3	chr4:5451193:5518005	5465254	s	NM_018401	4	CDS	55351	STK32B	serine/threonine kinase 32B
Hs.13318.1.7	chr1:228260999:228401308	228309168	s	NM_001012957	9	CDS	27185	DISC1	disrupted in schizophrenia 1
Hs.133205.1.12	chr9:130843476:130834988	130842958	s	NM_032843	1	CDS	84929	FIBCD1	fibrinogen C domain containing 1
Hs.133321.1.11	chrX:154300262:154285861	154285900	s	NM_018196	6	CDS	55217	TMLHE	trimethyllysine hydroxylase, epsilon
Hs.133352.1.18	chrX:53853587:53849971	53852072	s	NM_015107	20	CDS	23133	PHF8	PHD finger protein 8
Hs.133352.1.21	chrX:53853587:53849971	53852710	s	NM_015107	20	CDS	23133	PHF8	PHD finger protein 8
Hs.13349.1.19	chr1:201682806:201688202	201685110	s	NM_001005388	21	CDS	23114	NFASC	neurofascin
Hs.133982.1.8	chr17:59491560:59489086	59489182	s	NM_001433	11	CDS	2081	ERN1	endoplasmic reticulum to nucleus signalling 1
Hs.134035.1.2	chr1:154616054:154610488	154613777	s	AY358494	5	CDS	922	CD5L	CD5 antigen-like (scavenger receptor cysteine rich family)
Hs.134470.1.10	chr17:52694553:52833738	52797381	s	NM_138962	5	CDS	124540	MSI2	musashi homolog 2 (Drosophila)
Hs.134470.1.26	chr17:53059664:53084458	53065262	s	NM_138962	10	CDS	124540	MSI2	musashi homolog 2 (Drosophila)
Hs.134470.1.8	chr17:52694553:52833738	52706835	s	NM_138962	5	CDS	124540	MSI2	musashi homolog 2 (Drosophila)
Hs.134585.1.14	chr2:215801825:215754449	215765721	s	NM_173076	2	CDS	26154	ABCA12	ATP-binding cassette, sub-family A (ABC1), member 12
Hs.134857.1.4	chr1:241573032:241576587	241576304	s	NM_032328	6	CDS	84288	EFCAB2	EF-hand calcium binding domain 2
Hs.135087.1.7	chr1:151221660:151233673	151223634	s	NM_000565	6	CDS	3570	IL6R	interleukin 6 receptor
Hs.135665.1.4	chr11:22663912:22704413	22680752	s	NM_005256	2	CDS	2620	GAS2	growth arrest-specific 2
Hs.135763.1.20	chr4:26695876:26700409	26697405	s	NM_020860	11	CDS	57620	STIM2	stromal interaction molecule 2
Hs.136102.1.49	chr13:45475274:45461234	45473299	s	NM_015070	8	CDS	23091	KIAA0853	KIAA0853
Hs.136829.1.17	chr9:3320258:3291621	3313962	s	NM_002919	5	CDS	5991	RFX3	regulatory factor X, 3 (influences HLA class II expression)
Hs.136829.1.21	chr9:3336666:3320518	3334732	s	NM_002919	4	CDS	5991	RFX3	regulatory factor X, 3 (influences HLA class II expression)
Hs.136829.1.6	chr9:3238031:3218890	3237506	s	NM_134428	16	CDS	5991	RFX3	regulatory factor X, 3 (influences HLA class II expression)
Hs.137270.1.9	chr10:23310636:23327082	23318965	s	NM_173081	10	CDS	219681	ARMC3	armadillo repeat containing 3
Hs.137415.1.13	chr2:36926071:36940094	36926848	s	NM_053276	12	CDS	5212	VIT	vitrin
Hs.137459.1.1	chr4:77834096:77988487	77837908	s	NM_020859	2	CDS	57619	SHRM	shroom
Hs.137459.1.5	chr4:77834096:77988487	77923977	s	NM_020859	2	CDS	57619	SHRM	shroom
Hs.137556.1.19	chr10:85963085:85968814	85967102	s	BC038799	16	CDS	92211	PCDH21	protocadherin 21
Hs.137570.1.4	chr9:88882461:88858045	88881833	s	NM_016848	11	CDS	53358	SHC3	SHC (Src homology 2 domain containing) transforming protein 3
Hs.142442.1.39	chr1:20848395:20845410	20847454	s	NM_016287	3	CDS	50809	HP1BP3	heterochromatin protein 1, binding protein 3
Hs.1430.1.12	chr4:187576884:187580394	187578372	s	NM_000128	10	CDS	2160	F11	coagulation factor XI (plasma thromboplastin antecedent)
Hs.143845.1.5	chr14:93544683:93546969	93544962	s	AK097741	8	3UTR	256369	C14orf48	chromosome 14 open reading frame 48
Hs.143929.1.9	chr12:10171612:10169315	10171189	s	NM_022570	2	CDS	64581	CLEC7A	C-type lectin domain family 7, member A
Hs.144496.1.15	chr6:1875335:1687820	1872787	s	NM_001500	7	CDS	2762	GMDS	GDP-mannose 4,6-dehydratase

Hs.144795.1.32	chr10:78441730:78399832	78403757	s	NM_001014797	19	CDS	3778	KCNMA1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1
Hs.144795.1.35	chr10:78441730:78399832	78425051	s	NM_001014797	19	CDS	3778	KCNMA1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1
Hs.144795.1.36	chr10:78441730:78399832	78425234	s	NM_001014797	19	CDS	3778	KCNMA1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1
Hs.144795.1.39	chr10:78448776:78441808	78441963	s	NM_001014797	18	CDS	3778	KCNMA1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1
Hs.145251.1.10	chr14:37039095:37085860	37046746	s	NM_138731	13	CDS	145282	MIPOL1	mirror-image polydactyly 1
Hs.145251.1.4	chr14:36809482:36824273	36817828	s	NM_138731	7	CDS	145282	MIPOL1	mirror-image polydactyly 1
Hs.145469.1.10	chr1:189721883:189717183	189719393	s	NM_015984	10	CDS	51377	UCHL5	ubiquitin carboxyl-terminal hydrolase L5
Hs.145469.1.9	chr1:189721883:189717183	189719192	s	NM_015984	10	CDS	51377	UCHL5	ubiquitin carboxyl-terminal hydrolase L5
Hs.145586.1.35	chrX:107360122:107270750	107317017	s	NM_001847	3	CDS	1288	COL4A6	collagen, type IV, alpha 6
Hs.145956.1.12	chr19:49368946:49371490	49371242	s	NM_016444	6	CDS	7769	ZNF226	zinc finger protein 226
Hs.146070.1.34	chr1:150976734:150961798	150972809	s	BC008425	2	CDS	7170	TPM3	tropomyosin 3
Hs.14611.1.20	chr2:73912581:73908108	73912035	s	NM_003584	4	CDS	8446	DUSP11	dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)
Hs.146162.1.19	chr4:147795794:147788807	147792659	s	NM_032128	2	CDS	84068	C4orf13	chromosome 4 open reading frame 13
Hs.146406.1.17	chr1:157903096:157907003	157903928	s	BC046149	6	CDS	4817	NIT1	nitrilase 1
Hs.146406.1.18	chr1:157903096:157907003	157904057	s	BC046149	6	CDS	4817	NIT1	nitrilase 1
Hs.146542.1.15	chr1:71875711:71788851	71857340	s	BX538014	4	CDS	257194	NEGR1	neuronal growth regulator 1
Hs.1466.1.2	chrX:30455227:30468896	30455888	s	NM_000167	4	CDS	2710	GK	glycerol kinase
Hs.147064.1.2	chr9:110168009:110146368	110164296	s	NM_001003936	4	CDS	255220	TXNDC8	thioredoxin domain containing 8
Hs.14791.1.10	chr11:133634850:133636147	133635267	s	NM_014384	6	CDS	27034	ACAD8	acyl-Coenzyme A dehydrogenase family, member 8
Hs.14791.1.23	chr11:133637727:133640011	133638204	s	NM_014384	10	CDS	27034	ACAD8	acyl-Coenzyme A dehydrogenase family, member 8
Hs.148741.1.2	chr6:18507910:18535790	18510309	s	NM_182757	2	CDS	255488	IBRDC2	IBR domain containing 2
Hs.148767.1.16	chr2:219282936:219284335	219284073	s	NM_005444	7	CDS	9125	RQCD1	RCD1 required for cell differentiation1 homolog (S. pombe)
Hs.148768.1.7	chr7:102489179:102477445	102488343	s	NM_182634	9	CDS	349152	FLJ36166	hypothetical protein FLJ36166
Hs.148841.1.6	chr9:115147830:115218474	115173161	s	NM_017418	4	5UTR	50514	DEC1	deleted in esophageal cancer 1
Hs.148909.1.2	chr3:261376:336365	265284	s	NM_006614	2	5UTR	10752	CHL1	cell adhesion molecule with homology to L1CAM (close homolog of L1)
Hs.149103.1.10	chr5:78170934:78113554	78147296	s	NM_000046	6	CDS	411	ARSB	arylsulfatase B
Hs.149261.1.11	chr21:35128576:35093630	35115446	s	NM_001001890	4	CDS	861	RUNX1	runt-related transcription factor 1 (acute myeloid leukemia 1; aml1 oncogene)
Hs.149360.1.6	chr1:86530562:86526583	86527798	s	NM_001007022	15	CDS	57489	KIAA1229	KIAA1229 protein
Hs.149360.1.7	chr1:86530562:86526583	86529610	s	NM_001007022	15	CDS	57489	KIAA1229	KIAA1229 protein
Hs.149809.1.25	chr6:71047235:71041197	71046186	s	NM_001851	10	CDS	1297	COL9A1	collagen, type IX, alpha 1
Hs.149849.1.5	chr10:90064202:90024770	90034987	s	NM_018363	6	CDS	55328	C10orf59	chromosome 10 open reading frame 59
Hs.149849.1.6	chr10:90064202:90024770	90035077	s	NM_018363	6	CDS	55328	C10orf59	chromosome 10 open reading frame 59
Hs.150122.1.27	chr3:31846535:31764617	31838624	s	NM_017784	5	CDS	114884	OSBPL10	oxysterol binding protein-like 10
Hs.150816.1.3	chr2:208598743:208551493	208590271	s	AK123204	4	CDS	389072	LOC389072	hypothetical protein LOC389072
Hs.150878.1.12	chr11:60232831:60239069	60236076	s	NM_031457	5	CDS	83661	MS4A8B	membrane-spanning 4-domains, subfamily A, member 8B
Hs.152803.1.5	chr10:686383:697965	688595	s	AK096013	1	CDS	414235	C10orf108	chromosome 10 open reading frame 108
Hs.153629.1.18	chr19:19152494:19122574	19148715	s	NM_005919	5	5UTR	4207	MEF2B	MADS box transcription enhancer factor 2, polypeptide B (myocyte enhancer factor 2B)

Hs.153863.1.3	chr15:64795891:64860388	64796929	s	NM_005585	3	CDS	4091	SMAD6	SMAD, mothers against DPP homolog 6 (Drosophila)
Hs.153952.1.16	chr6:86257095:86258413	86257679	s	NM_002526	7	CDS	4907	NT5E	5'-nucleotidase, ecto (CD73)
Hs.153952.1.17	chr6:86257095:86258413	86257762	s	NM_002526	7	CDS	4907	NT5E	5'-nucleotidase, ecto (CD73)
Hs.1544.1.11	chr10:86004180:86008243	86005176	s	NM_001012722	5	CDS	5995	RGR	retinal G protein coupled receptor
Hs.155204.1.6	chr16:3394650:3398321	3395044	s	NM_003450	2	CDS	7727	ZNF174	zinc finger protein 174
Hs.155218.1.11	chr19:46476922:46478907	46478873	s	NM_007040	6	CDS	11100	HNRPUL1	heterogeneous nuclear ribonucleoprotein U-like 1
Hs.155348.1.4	chr7:15178378:15014225	15119100	s	NM_001004320	12	CDS	392636	FLJ16237	FLJ16237 protein
Hs.155959.1.4	chr7:3634457:3763795	3637290	s	NM_152744	5	CDS	221935	SDK1	sidekick homolog 1 (chicken)
Hs.155959.1.8	chr7:3764794:3771803	3771157	s	NM_152744	7	CDS	221935	SDK1	sidekick homolog 1 (chicken)
Hs.156316.1.18	chr12:90074586:90060963	90065879	s	NM_001920	2	CDS	1634	DCN	decorin
Hs.156727.1.17	chr5:14794935:14769945	14794342	s	NM_054027	8	CDS	56172	ANKH	ankylosis, progressive homolog (mouse)
Hs.157277.1.9	chr1:243797817:243790620	243796429	s	NM_032752	8	CDS	84838	ZNF496	zinc finger protein 496
Hs.157818.1.4	chr3:157660363:157664192	157661176	s	NM_003471	5	CDS	7881	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1
Hs.159430.1.6	chr3:173334039:173427362	173387785	s	NM_022763	2	CDS	64778	FNDC3B	fibronectin type III domain containing 3B
Hs.159918.1.41	chr7:10874953:10924216	10916522	s	NM_001007157	16	CDS	9678	PHF14	PHD finger protein 14
Hs.160324.1.75	chr21:34130807:34150909	34132577	s	NM_003024	29	CDS	6453	ITSN1	intersectin 1 (SH3 domain protein)
Hs.160324.1.77	chr21:34130807:34150909	34132669	s	NM_003024	29	CDS	6453	ITSN1	intersectin 1 (SH3 domain protein)
Hs.160411.1.11	chr14:80644550:80675775	80645037	s	NM_000369	8	CDS	7253	TSHR	thyroid stimulating hormone receptor
Hs.160556.1.60	chr17:32761225:32720544	32760014	s	NM_000664	3	CDS	31	ACACA	acetyl-Coenzyme A carboxylase alpha
Hs.160556.1.62	chr17:32796496:32776453	32791261	s	NM_198839	4	5UTR	31	ACACA	acetyl-Coenzyme A carboxylase alpha
Hs.160562.1.10	chr12:101315753:101298812	101313736	s	NM_000618	3	CDS	3479	IGF1	insulin-like growth factor 1 (somatomedin C)
Hs.161429.1.14	chr4:107008261:107101714	107091995	s	NM_024751	5	CDS	79807	FLJ13273	hypothetical protein FLJ13273
Hs.162129.1.9	chr5:80418529:80424375	80420141	s	NM_006909	9	CDS	5924	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2
Hs.162757.1.4	chr12:55825541:55834257	55830103	s	NM_002332	6	CDS	4035	LRP1	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)
Hs.162996.1.26	chr18:45112231:45066985	45101493	s	NM_017653	8	CDS	54808	DYM	dymeclin
Hs.164453.1.10	chr7:43292584:43304913	43297454	s	NM_015052	14	CDS	23072	HECW1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1
Hs.16529.1.19	chr7:120090702:120074115	120089116	s	NM_012338	2	CDS	23554	TSPAN12	tetraspanin 12
Hs.165859.1.16	chr2:69263427:69290951	69273952	s	NM_032208	12	CDS	84168	ANTXR1	anthrax toxin receptor 1
Hs.165859.1.23	chr2:69263427:69290951	69285139	s	NM_032208	12	CDS	84168	ANTXR1	anthrax toxin receptor 1
Hs.165859.1.24	chr2:69263427:69290951	69285185	s	NM_032208	12	CDS	84168	ANTXR1	anthrax toxin receptor 1
Hs.165859.1.28	chr2:69309073:69320568	69311341	s	NM_032208	14	CDS	84168	ANTXR1	anthrax toxin receptor 1
Hs.166068.1.10	chr2:219164857:219156405	219161921	s	NM_020935	20	CDS	57695	USP37	ubiquitin specific protease 37
Hs.166068.1.16	chr2:219220183:219200369	219218499	s	NM_020935	10	CDS	57695	USP37	ubiquitin specific protease 37
Hs.166539.1.10	chr1:63631609:63625307	63627150	s	U37139	7	CDS	23421	ITGB3BP	integrin beta 3 binding protein (beta3-endonexin)
Hs.166556.1.19	chr19:54534483:54535319	54535096	s	NM_001774	7	CDS	951	CD37	CD37 antigen
Hs.169998.1.12	chr4:15400827:15409631	15401558	s	NM_004334	8	CDS	683	BST1	bone marrow stromal cell antigen 1
Hs.170009.1.4	chr2:70592004:70588409	70588960	s	AF149097	5	CDS	7039	TGFA	transforming growth factor, alpha
Hs.170422.1.23	chr13:112792044:112796828	112792498	s	AB002360	26	CDS	23263	MCF2L	MCF.2 cell line derived transforming sequence-like
Hs.170422.1.5	chr13:112747677:112762907	112749170	s	NM_024979	4	CDS	23263	MCF2L	MCF.2 cell line derived transforming sequence-like
Hs.170835.1.18	chrX:152248914:152243534	152247863	s	NM_017518	4	CDS	55559	UIP1	26S proteasome-associated UCH interacting protein 1
Hs.171190.1.15	chr5:82590253:82684705	82642644	s	NM_003401	7	CDS	7518	XRCC4	X-ray repair complementing defective repair in Chinese hamster cells 4
Hs.171265.1.25	chr12:67011153:67007069	67007237	s	NM_017440	2	CDS	56890	MDM1	Mdm4, transformed 3T3 cell double minute 1, p53 binding protein (mouse)

Hs.171909.1.2	chrX:15577734:15581467	15579729	s	NM_005089	3	CDS	8233	U2AF1L2	U2(RNU2) small nuclear RNA auxiliary factor 1-like 2
Hs.172028.1.35	chr15:56744587:56725696	56734741	s	NM_001110	5	CDS	102	ADAM10	a disintegrin and metalloproteinase domain 10
Hs.172562.1.17	chr18:49196525:49215511	49196809	s	NM_005215	21	CDS	1630	DCC	deleted in colorectal carcinoma
Hs.172587.1.25	chr14:68004721:68130954	68034253	s	NM_133509	10	CDS	5890	RAD51L1	RAD51-like 1 (S. cerevisiae)
Hs.172587.1.26	chr14:68004721:68130954	68034351	s	NM_133509	10	CDS	5890	RAD51L1	RAD51-like 1 (S. cerevisiae)
Hs.173001.1.21	chr1:91159887:91095733	91116778	s	NM_016620	2	CDS	84146	ZNF644	zinc finger protein 644
Hs.173894.1.10	chr1:110179867:110183515	110180985	s	NM_000757	8	3UTR	1435	CSF1	colony stimulating factor 1 (macrophage)
Hs.173984.1.8	chr22:18128080:18144989	18129411	s	NM_005992	8	CDS	6899	TBX1	T-box 1
Hs.173984.1.9	chr22:18128080:18144989	18141623	s	NM_005992	8	CDS	6899	TBX1	T-box 1
Hs.175534.1.15	chr11:31660200:31741534	31693018	s	NM_019040	10	CDS	26610	ELP4	elongation protein 4 homolog (S. cerevisiae)
Hs.176013.1.21	chr20:20191775:20205809	20194261	s	NM_015585	21	CDS	26074	C20orf26	chromosome 20 open reading frame 26
Hs.178499.1.18	chr11:129612114:129608488	129609292	s	BC050723	4	CDS	29068	BTBD15	BTB (POZ) domain containing 15
Hs.179238.1.8	chr8:133691589:133665205	133689835	s	NM_012472	10	CDS	23639	LRRC6	leucine rich repeat containing 6
Hs.180346.1.11	chr10:99351738:99361256	99351987	s	NM_138413	6	CDS	112817	C10orf65	chromosome 10 open reading frame 65
Hs.183114.1.24	chr18:6886626:6889958	6888720	s	NM_001010000	15	CDS	79822	ARHGAP28	Rho GTPase activating protein 28
Hs.184727.1.10	chr3:198236584:198232472	198234134	s	NM_005929	6	CDS	4241	MF12	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5
Hs.185597.1.24	chr16:88126546:88138556	88131630	s	NM_003119	9	CDS	6687	SPG7	spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)
Hs.185774.1.3	chr1:27989026:27985200	27987926	s	NM_001990	17	CDS	2140	EYA3	eyes absent homolog 3 (Drosophila)
Hs.18616.1.9	chr7:157936456:157923886	157931964	s	BC043404	27	CDS	54892	LUZP5	leucine zipper protein 5
Hs.187763.1.32	chr19:15225962:15216574	15221034	s	NM_058243	11	CDS	23476	BRD4	bromodomain containing 4
Hs.187763.1.33	chr19:15225962:15221102	15224806	s	NM_014299	11	CDS	23476	BRD4	bromodomain containing 4
Hs.187898.1.28	chr22:28403623:28415294	28404705	s	NM_181832	16	3UTR	4771	NF2	neurofibromin 2 (bilateral acoustic neuroma)
Hs.187946.1.17	chr2:113126607:113130929	113127163	s	NM_005415	5	CDS	6574	SLC20A1	solute carrier family 20 (phosphate transporter), member 1
Hs.188591.1.6	chr11:86546097:86625327	86568014	s	NM_022918	5	CDS	65084	FLJ22104	hypothetical protein FLJ22104
Hs.188614.1.26	chr12:19335899:19364762	19359328	s	AB051473	14	CDS	54477	PLEKHA5	pleckstrin homology domain containing, family A member 5
Hs.188614.1.4	chr12:19176652:19298140	19245857	s	NM_019012	3	CDS	54477	PLEKHA5	pleckstrin homology domain containing, family A member 5
Hs.188614.1.5	chr12:19176652:19298140	19246204	s	NM_019012	3	CDS	54477	PLEKHA5	pleckstrin homology domain containing, family A member 5
Hs.18925.1.28	chr3:3189459:3184478	3188871	s	NM_016302	4	CDS	51185	CRBN	cereblon
Hs.189445.1.44	chr8:99115064:99117060	99115714	s	NM_002380	18	CDS	4147	MATN2	matrilin 2
Hs.189652.1.23	chr7:120478344:120500231	120495801	s	NM_024913	18	CDS	79974	FLJ21986	hypothetical protein FLJ21986
Hs.189652.1.24	chr7:120478344:120500231	120495904	s	NM_024913	18	CDS	79974	FLJ21986	hypothetical protein FLJ21986
Hs.189915.1.38	chr6:18095263:18006391	18058624	s	NM_022113	2	CDS	63971	KIF13A	kinesin family member 13A
Hs.190394.1.5	chr19:58597257:58618126	58607071	s	NM_138372	2	CDS	91661	LOC91661	hypothetical protein BC001610
Hs.190544.1.29	chr3:58373731:58385518	58381503	s	NM_017771	17	CDS	54899	PXK	PX domain containing serine/threonine kinase
Hs.191186.1.55	chr11:43422336:43426127	43424845	s	NM_018259	18	CDS	55761	TTC17	tetratricopeptide repeat domain 17
Hs.191186.1.62	chr11:43429392:43468364	43446490	s	NM_018259	21	CDS	55761	TTC17	tetratricopeptide repeat domain 17
Hs.191540.1.17	chr8:100274462:100355601	100291191	s	NM_017890	17	CDS	157680	VPS13B	vacuolar protein sorting 13B (yeast)
Hs.192215.1.9	chr7:45475054:45490707	45477511	s	NM_021116	8	CDS	107	ADCY1	adenylate cyclase 1 (brain)
Hs.192619.1.21	chr10:116611084:116649238	116613652	s	BC037207	16	CDS	57700	KIAA1600	KIAA1600
Hs.193226.1.27	chr13:95434058:95422927	95433778	s	NM_020121	10	CDS	55757	UGCGL2	UDP-glucose ceramide glucosyltransferase-like 2
Hs.193226.1.29	chr13:95436587:95434120	95435159	s	NM_020121	9	CDS	55757	UGCGL2	UDP-glucose ceramide glucosyltransferase-like 2
Hs.193226.1.34	chr13:95446317:95440329	95440395	s	NM_020121	7	CDS	55757	UGCGL2	UDP-glucose ceramide glucosyltransferase-like 2
Hs.193584.1.11	chr19:19777839:19767470	19770597	s	AL136548	3	CDS	91115	ZNF506	zinc finger protein 506
Hs.193584.1.6	chr19:19765642:19764294	19764520	s	AL136548	4	3UTR	91115	ZNF506	zinc finger protein 506

Hs.193613.1.7	chr7:128191228:128189391	128189557	s	NM_012470	22	3UTR	23534	TNPO3	transportin 3
Hs.194554.1.7	chr10:114197216:114210272	114200474	s	NM_145206	1	CDS	143187	VT11A	vesicle transport through interaction with t-SNAREs homolog 1A (yeast)
Hs.194692.1.31	chr20:33747712:33741902	33745915	s	NM_021100	4	CDS	9054	NFS1	NFS1 nitrogen fixation 1 (S. cerevisiae)
Hs.195313.1.6	chr6:110836229:110750769	110820076	s	AK127146	2	5UTR	8528	DDO	D-aspartate oxidase
Hs.196534.1.8	chr2:29356860:29355353	29355387	s	NM_004304	22	CDS	238	ALK	anaplastic lymphoma kinase (Ki-1)
Hs.197320.1.19	chr9:81454688:81437744	81444334	s	NM_005077	13	CDS	7088	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)
Hs.198003.1.19	chr9:133613613:133612132	133612998	s	NM_007101	7	CDS	1757	SARDH	sarcosine dehydrogenase
Hs.198003.1.21	chr9:133624440:133613719	133619797	s	NM_007101	6	CDS	1757	SARDH	sarcosine dehydrogenase
Hs.200747.1.12	chr14:75243804:75253956	75245373	s	NM_015072	9	CDS	23093	TTL5	tubulin tyrosine ligase-like family, member 5
Hs.200747.1.51	chr14:75418999:75438237	75423403	s	NM_015072	30	CDS	23093	TTL5	tubulin tyrosine ligase-like family, member 5
Hs.200813.1.16	chr3:132372430:132430069	132376672	s	NM_024800	14	CDS	79858	NEK11	NIMA (never in mitosis gene a)- related kinase 11
Hs.200813.1.17	chr3:132372430:132430069	132386315	s	NM_024800	14	CDS	79858	NEK11	NIMA (never in mitosis gene a)- related kinase 11
Hs.20107.1.34	chr14:103215636:103236744	103221986	s	L04733	13	CDS	3831	KNS2	kinesin 2 60/70kDa
Hs.20107.1.50	chr14:103236822:103238163	103237634	s	NM_182923	15	3UTR	3831	KNS2	kinesin 2 60/70kDa
Hs.201709.1.2	chr9:132404542:132442541	132418347	s	NM_207417	4	CDS	389799	FLJ46082	FLJ46082 protein
Hs.202166.1.21	chr5:178978875:178977931	178977948	s	NM_005520	5	CDS	3187	HNRPH1	heterogeneous nuclear ribonucleoprotein H1 (H)
Hs.202207.1.19	chr1:36566495:36558161	36563000	s	NM_145047	5	CDS	127700	C1orf102	chromosome 1 open reading frame 102
Hs.202542.1.5	chr17:75654001:75655898	75655164	s	AK000760	10	CDS	55036	FLJ20753	hypothetical protein FLJ20753
Hs.203717.1.16	chr2:216063550:216062530	216062568	s	NM_212475	39	CDS	2335	FN1	fibronectin 1
Hs.207459.1.7	chr3:188239364:188251738	188243504	s	NM_173217	3	5UTR	6480	ST6GAL1	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1
Hs.20797.1.17	chr22:3967020:39628090	39609194	s	NM_022098	4	CDS	63929	LOC63929	hypothetical protein LOC63929
Hs.208206.1.5	chr4:122417383:122411423	122416209	s	NM_024873	10	CDS	79931	TNIP3	TNFAIP3 interacting protein 3
Hs.208358.1.1	chr21:32707193:32747490	32727463	s	NM_058187	1	CDS	59271	C21orf63	chromosome 21 open reading frame 63
Hs.208388.1.9	chr3:10056530:10058306	10057370	s	NM_001018115	9	CDS	2177	FANCD2	Fanconi anemia, complementation group D2
Hs.208673.1.15	chr3:140839502:140780596	140835900	s	NM_178177	2	5UTR	349565	NMNAT3	nicotinamide nucleotide adenyltransferase 3
Hs.208765.1.28	chr14:66705507:66716047	66707714	s	BC030016	21	CDS	10243	GPHN	gephyrin
Hs.208846.1.1	chr14:71065841:71124040	71111563	s	NM_015556	1	5UTR	26037	SIPA1L1	signal-induced proliferation-associated 1 like 1
Hs.208961.1.8	chr5:176495638:176551490	176497011	s	NM_022455	2	CDS	64324	NSD1	nuclear receptor binding SET domain protein 1
Hs.209095.1.12	chr5:94229793:94160594	94228605	s	NM_001002796	17	CDS	79772	MCTP1	multiple C2-domains with two transmembrane regions 1
Hs.210377.1.4	chr12:94832718:94815223	94829431	s	NM_182496	2	CDS	120935	FLJ40089	hypothetical protein FLJ40089
Hs.212046.1.17	chr5:102511636:102512754	102511903	s	NM_015216	6	CDS	23262	KIAA0433	KIAA0433 protein
Hs.213198.1.7	chr13:19149863:19147125	19147530	s	BC014184	7	3UTR	55269	PSPC1	paraspeckle component 1
Hs.213861.1.67	chr6:112613131:112606128	112607630	s	NM_002290	9	CDS	3910	LAMA4	laminin, alpha 4
Hs.216226.1.13	chr22:38096703:38102200	38098882	s	NM_004711	3	CDS	9145	SYNGR1	synaptogyrin 1
Hs.21631.1.5	chr7:69044209:69345388	69200254	s	NM_015570	4	CDS	26053	AUTS2	autism susceptibility candidate 2
Hs.217297.1.2	chr9:18879747:18895779	18880788	s	NM_152702	4	CDS	206938	C9orf94	chromosome 9 open reading frame 94
Hs.221127.1.14	chr17:68244383:68157003	68220473	s	NM_139177	7	CDS	201266	SLC39A11	solute carrier family 39 (metal ion transporter), member 11
Hs.221127.1.18	chr17:68357367:68244454	68329339	s	NM_139177	6	CDS	201266	SLC39A11	solute carrier family 39 (metal ion transporter), member 11
Hs.221889.1.13	chr12:10757076:10753981	10754217	s	NM_003651	5	CDS	8531	CSDA	cold shock domain protein A
Hs.222282.1.26	chr7:92585236:92597573	92595021	s	NM_017667	20	CDS	55610	FLJ20097	hypothetical protein FLJ20097
Hs.222494.1.23	chr2:10735043:10698036	10724850	s	NM_024894	12	CDS	79954	FLJ14075	hypothetical LOC79954
Hs.222855.1.6	chrX:13446160:13458264	13448016	s	AK097032	3	3UTR	170082	MGC17403	hypothetical protein MGC17403
Hs.223894.1.8	chr19:18043921:18041524	18042372	s	NM_005535	9	CDS	3594	IL12RB1	interleukin 12 receptor, beta 1
Hs.224152.1.13	chr13:112201359:112192013	112201122	s	NM_006322	20	CDS	10426	TUBGCP3	tubulin, gamma complex associated protein 3
Hs.224152.1.33	chr13:112249934:112248181	112248797	s	NM_006322	10	CDS	10426	TUBGCP3	tubulin, gamma complex associated protein 3

Hs.224171.1.12	chr17:4797887:4799115	4798261	s	NM_001976	6	CDS	2027	ENO3	enolase 3 (beta, muscle)
Hs.22500.1.4	chr12:18358266:18365162	18358839	s	NM_004570	6	CDS	5288	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide
Hs.225014.1.11	chr12:129444158:129437763	129441072	s	NM_015347	11	CDS	23504	KIAA0318	RIM binding protein 2
Hs.226483.1.25	chrX:96490890:96660396	96530975	s	NM_006729	26	CDS	1730	DIAPH2	diaphanous homolog 2 (Drosophila)
Hs.22653.1.11	chr10:63889563:64052868	63910054	s	NM_199451	4	CDS	22891	ZNF365	zinc finger protein 365
Hs.227948.1.7	chr18:59475044:59456338	59473797	s	AF428135	6	CDS	6317	SERPINB3	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3
Hs.232092.1.3	chr1:1952112:1950637	1951563	s	AK127388	4	CDS	85452	KIAA1751	KIAA1751
Hs.232375.1.7	chr11:107511180:107514834	107512876	s	NM_000019	5	CDS	38	ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)
Hs.233404.1.10	chr4:8127856:8112726	8126827	s	AJ748601	15	CDS	84448	ABLIM2	actin binding LIM protein family, member 2
Hs.233495.1.13	chr7:29886989:29942121	29903600	s	BC053990	13	CDS	84725	PLEKHA8	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8
Hs.233495.1.15	chr7:29886989:29942121	29931186	s	BC053990	13	CDS	84725	PLEKHA8	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8
Hs.234786.1.17	chr1:54785763:54808427	54786884	s	NM_015547	15	CDS	26027	THEA	thioesterase, adipose associated
Hs.234786.1.21	chr1:54785763:54808427	54788023	s	NM_015547	15	CDS	26027	THEA	thioesterase, adipose associated
Hs.235782.1.32	chr20:60770876:60773546	60772019	s	NM_016354	11	CDS	28231	SLCO4A1	solute carrier organic anion transporter family, member 4A1
Hs.239818.1.41	chr3:139957293:139944322	139954420	s	NM_006219	2	CDS	5291	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide
Hs.240056.1.10	chr12:22688224:22703214	22688616	s	NM_018638	2	CDS	55500	ETNK1	ethanolamine kinase 1
Hs.24119.1.9	chr1:194953968:194963361	194957318	s	NM_133494	2	CDS	140609	NEK7	NIMA (never in mitosis gene a)-related kinase 7
Hs.242635.1.20	chr5:131955626:131958459	131956773	s	NM_005732	11	CDS	10111	RAD50	RAD50 homolog (S. cerevisiae)
Hs.245869.1.17	chr3:135377150:135360916	135375896	s	NM_001005861	13	CDS	6259	RYK	RYK receptor-like tyrosine kinase
Hs.24601.1.32	chr22:44267033:44290927	44282105	s	NM_006486	14	CDS	2192	FBLN1	fibulin 1
Hs.246046.1.9	chr12:7172102:7168601	7171376	s	NM_031491	2	CDS	83758	RBP5	retinol binding protein 5, cellular
Hs.246344.1.40	chr9:121002135:121006774	121003337	s	BX640927	5	UTR	11064	CEP1	centrosomal protein 1
Hs.247280.1.9	chr20:338670:346169	339406	s	NM_031228	2	CDS	10616	C20orf18	chromosome 20 open reading frame 18
Hs.248202.1.5	chr17:9706133:9714788	9711019	s	NM_004246	9	CDS	9340	GLP2R	glucagon-like peptide 2 receptor
Hs.248941.1.13	chr5:68698085:68687537	68696453	s	NM_001015891	2	CDS	6880	TAF9	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa
Hs.250281.1.25	chr20:44672491:44662084	44670755	s	NM_001011554	4	CDS	64849	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3
Hs.25121.1.9	chr14:99258157:99261480	99259222	s	NM_006668	12	CDS	10858	CYP46A1	cytochrome P450, family 46, subfamily A, polypeptide 1
Hs.252387.1.33	chr22:45180122:45155828	45179196	s	NM_014246	2	CDS	9620	CELSR1	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)
Hs.252543.1.12	chr12:97530541:97510587	97520498	s	NM_201612	2	CDS	121457	IKIP	IKK interacting protein
Hs.252713.1.40	chr2:5020988:5026773	5021623	s	AK094181	12	CDS	51112	TTC15	tetratricopeptide repeat domain 15
Hs.253320.1.8	chr2:111315214:111382596	111361825	s	NM_018308	4	CDS	55289	ACOXL	acyl-Coenzyme A oxidase-like
Hs.253576.1.4	chr10:106129969:106141980	106132108	s	NM_001008723	9	CDS	159686	C10orf80	chromosome 10 open reading frame 80
Hs.254335.1.5	chr15:62259599:62245333	62250396	s	AF223357	10	CDS	53944	CSNK1G1	casein kinase 1, gamma 1
Hs.254699.1.3	chr5:36001244:35993279	35996615	s	NM_152404	4	CDS	133688	UGT3A1	UDP glycosyltransferase 3 family, polypeptide A1
Hs.255008.1.1	chr7:149821824:149827050	149824432	s	NM_015660	2	CDS	26157	GIMAP2	GTPase, IMAP family member 2
Hs.255462.1.6	chr10:51225843:51232276	51226840	s	NM_138634	2	CDS	4477	MSMB	microseminoprotein, beta-
Hs.256526.1.5	chr17:78011238:78019928	78015594	s	BC016440	2	CDS	26502	NARF	nuclear prelamin A recognition factor
Hs.258326.1.17	chr16:19143662:19185702	19168901	s	NM_016524	7	CDS	51760	SYT17	synaptotagmin XVII
Hs.258798.1.9	chr10:123712742:123711023	123711262	s	NM_017615	6	CDS	54780	C10orf86	chromosome 10 open reading frame 86

Hs.259461.1.5	chr9:109773864:109857788	109787122	s	NM_007203	6	CDS	445815	PALM2-AKAP2	PALM2-AKAP2 protein
Hs.2637.1.5	chr1:193489186:193490831	193490809	s	NM_021023	4	CDS	10878	CFHL3	complement factor H-related 3
Hs.266728.1.4	chr13:51243957:51241431	51242921	s	NM_024705	7	CDS	79758	FLJ13639	hypothetical protein FLJ13639
Hs.268698.1.10	chr6:151301232:151318899	151312250	s	NM_015440	7	CDS	25902	MTHFD1L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like
Hs.268707.1.5	chr11:99378079:99437153	99379923	s	NM_014361	9	CDS	53942	CNTN5	contactin 5
Hs.269004.1.7	chr5:150839244:150847736	150839898	s	NM_078483	10	CDS	206358	SLC36A1	solute carrier family 36 (proton/amino acid symporter), member 1
Hs.269127.1.7	chrX:133674400:133688775	133681509	s	NM_138819	2	CDS	159091	RP3-473B4.1	hypothetical protein BC017868
Hs.269180.1.10	chr9:109085452:109058981	109083277	s	NM_019114	15	CDS	54566	EPB41L4B	erythrocyte membrane protein band 4.1 like 4B
Hs.269180.1.7	chr9:109085452:109058981	109081993	s	NM_019114	15	CDS	54566	EPB41L4B	erythrocyte membrane protein band 4.1 like 4B
Hs.269665.1.14	chr4:56579053:56585010	56582312	s	NM_018261	8	CDS	55763	SEC3L1	SEC3-like 1 (S. cerevisiae)
Hs.269665.1.18	chr4:56585161:56590916	56587670	s	NM_018261	9	CDS	55763	SEC3L1	SEC3-like 1 (S. cerevisiae)
Hs.269977.1.9	chr2:98303314:98305030	98303942	s	NM_144992	16	CDS	200403	MGC26733	hypothetical protein MGC26733
Hs.271224.1.2	chr3:49003352:49013874	49012219	s	NM_017732	2	CDS	54681	PH-4	hypoxia-inducible factor prolyl 4-hydroxylase
Hs.271896.1.4	chr14:50425372:50438296	50430038	s	NM_181533	8	CDS	145447	C14orf29	chromosome 14 open reading frame 29
Hs.274539.1.23	chr3:198761541:198748743	198753880	s	NM_004051	2	CDS	622	BDH	3-hydroxybutyrate dehydrogenase (heart, mitochondrial)
Hs.276252.1.32	chr20:3532910:3553157	3544711	s	NM_139321	24	CDS	8455	ATRN	attractin
Hs.276252.1.33	chr20:3553220:3562957	3557941	s	NM_139321	25	CDS	8455	ATRN	attractin
Hs.27695.1.13	chrX:10247472:10237584	10246841	s	NM_000381	7	CDS	4281	MID1	midline 1 (Opitz/BBB syndrome)
Hs.279522.1.4	chr9:99675292:99686485	99678902	s	NM_006981	5	CDS	8013	NR4A3	nuclear receptor subfamily 4, group A, member 3
Hs.279562.1.4	chr20:62291958:62300658	62293681	s	NM_004535	2	5UTR	4661	MYT1	myelin transcription factor 1
Hs.280741.1.7	chr19:43489907:43487988	43489329	s	NM_033557	6	CDS	90522	YIF1B	Yip1 interacting factor homolog B (S. cerevisiae)
Hs.282151.1.14	chr7:81334394:81312203	81324303	s	NM_000722	10	CDS	781	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1
Hs.282331.1.16	chr6:13709161:13720000	13713950	s	NM_012241	9	CDS	23408	SIRT5	sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)
Hs.282702.1.17	chr1:203633314:203640693	203637309	s	NM_001018053	14	CDS	5208	PFKFB2	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2
Hs.282901.1.43	chr20:33790303:33785594	33786149	s	NM_184237	3	5UTR	9584	RNPC2	RNA-binding region (RNP1, RRM) containing 2
Hs.28326.1.4	chr10:101466094:101463227	101463264	s	NM_004376	8	CDS	1355	COX15	COX15 homolog, cytochrome c oxidase assembly protein (yeast)
Hs.284491.1.4	chr21:43978433:43985975	43983168	s	NM_003681	2	CDS	8566	PDXK	pyridoxal (pyridoxine, vitamin B6) kinase
Hs.285354.1.10	chr14:64614383:64613135	64613764	s	NM_002382	4	CDS	4149	MAX	MYC associated factor X
Hs.285354.1.15	chr14:64630178:64614508	64620215	s	NM_002382	3	CDS	4149	MAX	MYC associated factor X
Hs.286173.1.16	chr12:122626031:122627184	122626993	s	NM_020936	10	CDS	57696	DDX55	DEAD (Asp-Glu-Ala-Asp) box polypeptide 55
Hs.287692.1.4	chr18:41674205:41676068	41675057	s	NM_213602	5	CDS	284266	CD33L3	CD33 antigen-like 3
Hs.287735.1.14	chr1:151965484:151967400	151966165	s	NM_025058	8	CDS	80128	TRIM46	tripartite motif-containing 46
Hs.287830.1.16	chr10:124176538:124179129	124178059	s	NM_001001974	11	CDS	59338	PLEKHA1	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1
Hs.288772.1.34	chr11:112744396:112749055	112747473	s	NM_017868	21	3UTR	54970	TTC12	tetratricopeptide repeat domain 12
Hs.291235.1.9	chr1:54365345:54361960	54363847	s	NM_201546	4	5UTR	200008	LOC200008	hypothetical protein LOC200008
Hs.291587.1.25	chr6:157597683:157602888	157599867	s	NM_017519	13	CDS	57492	ARID1B	AT rich interactive domain 1B (SWI1-like)
Hs.292056.1.7	chr4:2304662:2289230	2299211	s	NM_020972	6	CDS	57732	ZFYVE28	zinc finger, FYVE domain containing 28
Hs.292580.1.3	chr14:49528723:49518773	49528029	s	NM_001012706	3	3UTR	283551	LOC283551	hypothetical protein LOC283551
Hs.293689.1.8	chr2:47046599:47044385	47044607	s	NM_139279	3	CDS	90411	MCFD2	multiple coagulation factor deficiency 2
Hs.294147.1.28	chr9:137717118:137714105	137715927	s	NM_152286	3	CDS	375775	C9orf111	chromosome 9 open reading frame 111
Hs.29700.1.13	chr5:132386431:132370512	132382631	s	BC022443	2	CDS	54819	ZCCHC10	zinc finger, CCHC domain containing 10
Hs.298198.1.6	chr16:65201408:65204012	65202465	s	NM_144601	5	CDS	123920	CKLFSF3	chemokine-like factor super family 3
Hs.301048.1.22	chr18:12974190:12976860	12975494	s	NM_001013437	8	CDS	81929	SEH1L	SEH1-like (S. cerevisiae)

Hs.30141.1.8	chr15:29026624:29022568	29025705	s	BC063296	13	3UTR	54893	MTMR10	myotubularin related protein 10
Hs.302037.1.11	chr6:30133870:30111740	30130357	s	AK126001	2	5UTR	80862	C6orf12	chromosome 6 open reading frame 12
Hs.302714.1.3	chr10:62843222:62840511	62842657	s	NM_178505	5	CDS	219623	TMEM26	transmembrane protein 26
Hs.303025.1.16	chr11:67792097:67787911	67791145	s	NM_022338	2	5UTR	53838	C11orf24	chromosome 11 open reading frame 24
Hs.303154.1.18	chrX:148277603:148274389	148274428	s	NM_000202	9	CDS	3423	IDS	iduronate 2-sulfatase (Hunter syndrome)
Hs.303154.1.20	chrX:148277603:148274389	148274547	s	NM_000202	9	CDS	3423	IDS	iduronate 2-sulfatase (Hunter syndrome)
Hs.303197.1.2	chr16:30807681:30753971	30770068	s	BC058863	5	CDS	9274	BCL7C	B-cell CLL/lymphoma 7C
Hs.303787.1.22	chr7:106848129:106852723	106850961	s	NM_001008405	8	CDS	55973	BCAP29	B-cell receptor-associated protein 29
Hs.303787.1.30	chr7:106847829:106863217	106853055	s	NM_001008407	7	CDS	55973	BCAP29	B-cell receptor-associated protein 29
Hs.303787.1.36	chr7:106847829:106863217	106854868	s	NM_001008407	7	CDS	55973	BCAP29	B-cell receptor-associated protein 29
Hs.303787.1.41	chr7:106847829:106863217	106856266	s	NM_001008407	7	CDS	55973	BCAP29	B-cell receptor-associated protein 29
Hs.303787.1.43	chr7:106847829:106863217	106857711	s	NM_001008407	7	CDS	55973	BCAP29	B-cell receptor-associated protein 29
Hs.303820.1.6	chr4:15158721:15180320	15160152	s	AB037766	2	CDS	57545	KIAA1345	KIAA1345 protein
Hs.30385.1.6	chr10:21867848:21915228	21886117	s	NM_001009569	2	CDS	8028	MLLT10	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 10
Hs.30561.1.28	chr8:95539671:95492720	95513350	s	NM_012415	3	CDS	25788	RAD54B	RAD54 homolog B (S. cerevisiae)
Hs.306230.1.10	chr19:59447728:59446609	59447440	s	NM_006840	12	CDS	10990	LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5
Hs.306242.1.33	chr6:13766990:13765488	13765629	s	NM_005493	3	CDS	10048	RANBP9	RAN binding protein 9
Hs.306809.1.17	chr19:16489153:16491904	16490430	s	NM_032207	8	3UTR	84167	FLJ21742	hypothetical protein FLJ21742
Hs.307835.1.7	chr9:68309679:68323887	68311025	s	NM_021965	7	CDS	5239	PGM5	phosphoglucomutase 5
Hs.308122.1.11	chr14:92482428:92474625	92477505	s	BC003622	10	CDS	3705	ITPK1	inositol 1,3,4-triphosphate 5/6 kinase
Hs.309288.1.4	chr10:11299477:11331121	11300331	s	NM_006561	3	CDS	10659	CUGBP2	CUG triplet repeat, RNA binding protein 2
Hs.309489.1.11	chr8:99303882:99293906	99298599	s	NM_024759	5	CDS	79815	NPAL2	NIPA-like domain containing 2
Hs.309849.1.12	chr14:90703476:90706099	90703818	s	NM_024952	4	CDS	80017	C14orf159	chromosome 14 open reading frame 159
Hs.310429.1.47	chr14:50329179:50315273	50328514	s	NM_016350	4	CDS	51199	NIN	ninein (GSK3B interacting protein)
Hs.310536.1.14	chrX:71491803:71467603	71476287	s	NM_018486	7	CDS	55869	HDAC8	histone deacetylase 8
Hs.310536.1.30	chrX:71570759:71498140	71565093	s	NM_018486	4	CDS	55869	HDAC8	histone deacetylase 8
Hs.310537.1.24	chr20:8718909:8810268	8721437	s	NM_015192	31	CDS	23236	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)
Hs.31082.1.14	chr4:41792331:41797014	41796966	s	NM_018126	6	CDS	55161	TMEM33	transmembrane protein 33
Hs.318547.1.22	chr11:48108845:48114166	48109758	s	NM_002843	8	CDS	5795	PTPRJ	protein tyrosine phosphatase, receptor type, J
Hs.3192.1.3	chr10:72314914:72312249	72313756	s	NM_001001939	3	CDS	5092	PCBD1	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)
Hs.32099.1.16	chr8:38295569:38292718	38294004	s	NM_023034	9	CDS	54904	WHSC1L1	Wolf-Hirschhorn syndrome candidate 1-like 1
Hs.322473.1.3	chr19:8295332:8293807	8294199	s	NM_198471	10	CDS	256949	ANKRD47	ankyrin repeat domain 47
Hs.323562.1.18	chrX:76932449:76919140	76929750	s	NM_032121	3	CDS	84061	DKFZp564K142	implantation-associated protein
Hs.325528.1.17	chr5:169200435:169342649	169235459	s	NM_004946	27	CDS	1794	DOCK2	dedicator of cytokinesis 2
Hs.325528.1.18	chr5:169200435:169342649	169294453	s	NM_004946	27	CDS	1794	DOCK2	dedicator of cytokinesis 2
Hs.32567.1.6	chr5:69358099:69373106	69364279	s	NM_021967	2	CDS	8293	SERF1A	small EDRK-rich factor 1A (telomeric)
Hs.32826.1.12	chr6:125663382:125655755	125661567	s	BC001671	2	CDS	51020	C6orf74	chromosome 6 open reading frame 74
Hs.331141.1.30	chr12:110649870:110654295	110651778	s	NM_025247	18	CDS	80724	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10
Hs.332422.1.41	chr8:62708795:62694133	62701180	s	NM_004318	14	CDS	444	ASPH	aspartate beta-hydroxylase
Hs.332422.1.42	chr8:62708795:62694133	62701228	s	NM_004318	14	CDS	444	ASPH	aspartate beta-hydroxylase
Hs.332422.1.58	chr8:62756080:62728774	62736786	s	NM_004318	4	CDS	444	ASPH	aspartate beta-hydroxylase
Hs.332706.1.16	chr10:13204494:13206000	13205204	s	NM_001008211	9	CDS	10133	OPTN	optineurin
Hs.333181.1.3	chr3:184691857:184691102	184691500	s	NM_130446	7	3UTR	89857	KLHL6	kelch-like 6 (Drosophila)
Hs.33368.1.8	chr15:92746253:92784408	92747498	s	NM_018349	16	CDS	55784	MCTP2	multiple C2-domains with two transmembrane regions 2

Hs.334306.1.20	chr12:8918876:8924386	8920634	s	NM_144670	6	3UTR	144568	CPAMD9	C3 and PZP-like, alpha-2-macroglobulin domain containing 9
Hs.334587.1.12	chr8:30521684:30535945	30524575	s	NM_001008710	6	CDS	11030	RBPMS	RNA binding protein with multiple splicing
Hs.334637.1.2	chr12:109550692:109528702	109549308	s	AY359054	7	CDS	84329	MGC15619	hypothetical protein MGC15619
Hs.334772.1.19	chr4:84760485:84755012	84757142	s	NM_139076	2	5UTR	84142	FLJ13614	hypothetical protein FLJ13614
Hs.334846.1.9	chr11:119051078:119041218	119050309	s	NM_002855	5	CDS	5818	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin)
Hs.335003.1.40	chr16:87899114:87885093	87892784	s	NM_013275	4	CDS	29123	ANKRD11	ankyrin repeat domain 11
Hs.335003.1.51	chr16:88012192:87910988	87955435	s	NM_013275	2	5UTR	29123	ANKRD11	ankyrin repeat domain 11
Hs.335034.1.31	chr1:97899086:97877125	97898052	s	NM_000110	5	CDS	1806	DPYD	dihydropyrimidine dehydrogenase
Hs.335205.1.13	chr17:25027963:25023274	25025058	s	NM_033389	7	CDS	85464	SSH2	slingshot homolog 2 (Drosophila)
Hs.335513.1.20	chr6:6167264:6142559	6151643	s	NM_000129	8	CDS	2162	F13A1	coagulation factor XIII, A1 polypeptide
Hs.336994.1.26	chr8:125780947:125672658	125779458	s	NM_014751	3	CDS	9788	MTSS1	metastasis suppressor 1
Hs.337667.1.3	chr22:37763596:37765445	37764928	s	NM_145298	2	CDS	200316	APOBEC3F	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F
Hs.338851.1.11	chr3:190415875:190439223	190420156	s	NM_198485	3	CDS	285386	FAM79B	family with sequence similarity 79, member B
Hs.338851.1.13	chr3:190415875:190439223	190420360	s	NM_198485	3	CDS	285386	FAM79B	family with sequence similarity 79, member B
Hs.338851.1.15	chr3:190511031:190521116	190516184	s	NM_198485	5	CDS	285386	FAM79B	family with sequence similarity 79, member B
Hs.339396.1.5	chr22:37270429:37259918	37266271	s	NM_007068	8	CDS	11144	DMC1	DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast)
Hs.339735.1.15	chr13:112931835:112935491	112932529	s	NM_001008895	5	CDS	8451	CUL4A	cullin 4A
Hs.34024.1.36	chr3:172570110:172428713	172547425	s	NM_015028	2	CDS	23043	TNIK	TRAF2 and NCK interacting kinase
Hs.340636.1.20	chr20:60207709:60209133	60208717	s	NM_015666	5	CDS	26164	GTPBP5	GTP binding protein 5 (putative)
Hs.343244.1.21	chr14:23102428:23101643	23102145	s	NM_003917	14	CDS	8906	AP1G2	adaptor-related protein complex 1, gamma 2 subunit
Hs.343627.1.13	chr16:85132803:85123589	85131827	s	NM_022764	7	CDS	64779	FLJ12998	hypothetical protein FLJ12998
Hs.343627.1.15	chr16:85132803:85123589	85132152	s	NM_022764	7	CDS	64779	FLJ12998	hypothetical protein FLJ12998
Hs.34421.1.13	chr5:153763965:153769293	153765992	s	NM_017540	1	CDS	55568	GALNT10	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10)
Hs.347187.1.8	chrX:149571771:149575634	149574724	s	NM_003828	9	CDS	8776	MTMR1	myotubularin related protein 1
Hs.348387.1.24	chr1:109913775:109919674	109916366	s	NM_147148	7	CDS	2948	GSTM4	glutathione S-transferase M4
Hs.348615.1.2	chr10:114051882:114053010	114052228	s	NM_058222	9	CDS	6975	TECTB	tectorin beta
Hs.34871.1.34	chr2:145108576:145021326	145102688	s	NM_014795	2	CDS	9839	ZFX1B	zinc finger homeobox 1b
Hs.348711.1.10	chr2:202570397:202581013	202579681	s	NM_139158	12	CDS	65061	ALS2CR7	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 7
Hs.350756.1.39	chr8:74747895:74692241	74727054	s	NM_014393	5	CDS	27067	STAU2	staufen, RNA binding protein, homolog 2 (Drosophila)
Hs.350899.1.37	chr1:220266677:220269270	220267147	s	NM_001748	19	CDS	824	CAPN2	calpain 2, (m/II) large subunit
Hs.351099.1.11	chr19:46631281:46630154	46630824	s	CR602095	3	CDS	55101	FLJ10241	hypothetical protein FLJ10241
Hs.351344.1.20	chr11:117910281:117922043	117911755	s	AK027305	8	CDS	84866	TMEM25	transmembrane protein 25
Hs.351798.1.6	chrX:105897679:105899399	105899116	s	NM_017752	11	CDS	54885	FLJ20298	FLJ20298 protein
Hs.351798.1.7	chrX:105897679:105899399	105899208	s	NM_017752	11	CDS	54885	FLJ20298	FLJ20298 protein
Hs.352240.1.40	chr17:76869003:76865529	76868094	s	NM_138570	6	CDS	124565	MGC15523	hypothetical protein MGC15523
Hs.352671.1.14	chr21:33889906:33885384	33889465	s	NM_005111	11	CDS	9946	CRYZL1	crystallin, zeta (quinone reductase)-like 1
Hs.352671.1.16	chr21:33889906:33885384	33889731	s	NM_005111	11	CDS	9946	CRYZL1	crystallin, zeta (quinone reductase)-like 1
Hs.352671.1.30	chr21:33910881:33907783	33910463	s	NM_005111	5	CDS	9946	CRYZL1	crystallin, zeta (quinone reductase)-like 1
Hs.353454.1.18	chr1:32510955:32503245	32510204	s	NM_018045	8	CDS	55108	BSDC1	BSD domain containing 1
Hs.354013.1.15	chr8:92475444:92476465	92475796	s	NM_052832	18	CDS	115111	SLC26A7	solute carrier family 26, member 7
Hs.355888.1.30	chr15:38381449:38378722	38380162	s	NM_004573	7	CDS	5330	PLCB2	phospholipase C, beta 2
Hs.355888.1.33	chr15:38381449:38378722	38380923	s	NM_004573	7	CDS	5330	PLCB2	phospholipase C, beta 2
Hs.355935.1.1	chr14:22369304:22373220	22372510	s	NM_181307	3	CDS	122704	MRPL52	mitochondrial ribosomal protein L52

Hs.356399.1.1	chr1:207821902:207832968	207822939	s	NM_018254	1	CDS	55758	RCOR3	REST corepressor 3
Hs.357128.1.3	chr6:39985556:39980017	39981072	s	BC036839	9	CDS	4337	MOCS1	molybdenum cofactor synthesis 1
Hs.357567.1.2	chr2:149842858:149887274	149869657	s	NM_177964	3	CDS	130576	LOC130576	hypothetical protein LOC130576
Hs.357637.1.20	chr1:101066329:101055481	101063175	s	NM_001439	2	CDS	2135	EXTL2	exostoses (multiple)-like 2
Hs.359698.1.11	chr7:50337256:50321771	50334554	s	NM_000790	9	CDS	1644	DDC	dopa decarboxylase (aromatic L-amino acid decarboxylase)
Hs.363396.1.31	chr1:193391027:193414521	193402352	s	NM_000186	9	CDS	3075	CFH	complement factor H
Hs.367639.1.3	chr4:106469267:106512657	106481307	s	NM_017628	2	5UTR	54790	FLJ20032	hypothetical protein FLJ20032
Hs.367900.1.15	chr6:170805576:170804438	170805209	s	NM_002598	5	CDS	5134	PDCD2	programmed cell death 2
Hs.367900.1.21	chr6:170809776:170806826	170808468	s	NM_002598	3	CDS	5134	PDCD2	programmed cell death 2
Hs.367992.1.9	chr18:12004373:12018041	12008284	s	NM_014214	5	CDS	3613	IMPA2	inositol(myo)-1(or 4)-monophosphatase 2
Hs.368022.1.10	chr4:186699796:186696782	186698573	s	NM_018359	11	CDS	55325	FLJ11200	hypothetical protein FLJ11200
Hs.368077.1.9	chr18:59803460:59805087	59804867	s	NM_002640	6	CDS	5271	SERPINB8	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8
Hs.368084.1.60	chr2:44099330:44096242	44097776	s	NM_133259	13	CDS	10128	LRPPRC	leucine-rich PPR-motif containing
Hs.368131.1.22	chr7:116456068:116463766	116457909	s	NM_018412	14	CDS	7982	ST7	suppression of tumorigenicity 7
Hs.368171.1.12	chr2:73127041:73110470	73111965	s	NM_144579	10	CDS	94097	SFXN5	sideroflexin 5
Hs.368254.1.13	chr3_random:63015:68139	68130	s	NM_000187	12	CDS	3081	HGD	homogentisate 1,2-dioxygenase (homogentisate oxidase)
Hs.368281.1.18	chr2:210371058:210390506	210385582	s	NM_031845	6	CDS	4133	MAP2	microtubule-associated protein 2
Hs.368305.1.3	chr4:80193542:80184495	80190211	s	BC031256	10	3UTR	152559	PAQR3	progesterin and adipoQ receptor family member III
Hs.368375.1.3	chr19:39950060:39943305	39945619	s	NM_001007247	4	CDS	148103	ZNF599	zinc finger protein 599
Hs.368527.1.25	chr11:1287271:1273601	1275952	s	NM_019009	1	CDS	54472	TOLLIP	toll interacting protein
Hs.368563.1.64	chr3:185214753:185189874	185201153	s	NM_001023587	2	CDS	10057	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
Hs.368587.1.7	chr5:35104074:35085271	35099991	s	AF416618	7	CDS	5618	PRLR	prolactin receptor
Hs.368783.1.8	chr20:19955564:19961745	19961197	s	NM_181528	4	CDS	51126	NAT5	N-acetyltransferase 5 (ARD1 homolog, S. cerevisiae)
Hs.368935.1.2	chr17:18804691:18813089	18806228	s	NM_152351	5	CDS	125206	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10
Hs.369056.1.36	chr2:231201387:231229486	231206747	s	AF255565	24	CDS	6672	SP100	nuclear antigen Sp100
Hs.369168.1.18	chr14:30192546:30209212	30197314	s	NM_016106	10	CDS	23256	SCFD1	sec1 family domain containing 1
Hs.369385.1.12	chr1:26458294:26468423	26459198	s	NM_024887	6	CDS	79947	DHDDS	dehydrodolichyl diphosphate synthase
Hs.369438.1.26	chr11:127931395:127865682	127911517	s	BX640634	3	CDS	2113	ETS1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)
Hs.369448.1.11	chr4:79597320:79611604	79597986	s	NM_020875	17	CDS	80144	FRAS1	Fraser syndrome 1
Hs.369607.1.64	chr4:881650:880168	880204	s	NM_005255	6	CDS	2580	GAK	cyclin G associated kinase
Hs.369682.1.33	chr22:43928373:43922331	43927752	s	NM_001009880	2	CDS	23313	C22orf9	chromosome 22 open reading frame 9
Hs.369819.1.17	chr17:75533301:75530601	75532252	s	NM_019020	10	CDS	125058	TBC1D16	TBC1 domain family, member 16
Hs.370247.1.9	chr11:129485767:129501804	129496844	s	BC004371	3	CDS	334	APLP2	amyloid beta (A4) precursor-like protein 2
Hs.370262.1.15	chr17:70327578:70346620	70346211	s	AK000262	9	CDS	54868	FLJ20255	hypothetical protein FLJ20255
Hs.370365.1.4	chr10:70725443:70773588	70726253	s	NM_033497	4	CDS	3098	HK1	hexokinase 1
Hs.370421.1.7	chr11:76573409:76578036	76573689	s	NM_000260	27	CDS	4647	MYO7A	myosin VIIA (Usher syndrome 1B (autosomal recessive, severe))
Hs.370498.1.3	chr2:178013473:178001564	178011847	s	NM_182585	6	5UTR	285023	DKFZp451M2119	hypothetical protein DKFZp451M2119
Hs.370605.1.21	chr1:229577493:229508143	229538138	s	NM_024938	16	3UTR	80003	PCNXL2	pecanex-like 2 (Drosophila)
Hs.370725.1.44	chr18:20200853:20175621	20191087	s	NM_080597	4	CDS	114876	OSBPL1A	oxysterol binding protein-like 1A
Hs.370931.1.2	chr8:143354048:143308848	143349753	s	NM_145003	12	CDS	203062	FLJ31164	hypothetical protein FLJ31164
Hs.370984.1.11	chr19:48821069:48820235	48820827	s	NM_145296	7	CDS	199731	IGSF4C	immunoglobulin superfamily, member 4C
Hs.371013.1.28	chr19:5089082:5094977	5092514	s	NM_015015	18	CDS	23030	JMJD2B	jumonji domain containing 2B
Hs.371036.1.14	chr11:88863273:88824712	88861669	s	NM_016931	2	CDS	50507	NOX4	NADPH oxidase 4
Hs.371240.1.7	chr6:151719153:151761959	151738041	s	NM_005100	2	CDS	9590	AKAP12	A kinase (PRKA) anchor protein (gravin) 12
Hs.37138.1.3	chr19:20909694:20923389	20918623	s	NM_003429	3	CDS	7639	ZNF85	zinc finger protein 85 (HPF4, HTF1)

Hs.371903.1.9	chr4:145155503:145151011	145154073	s	NM_198682	3	3UTR	2996	GYPE	glycophorin E
Hs.372123.1.17	chr17:8304204:8310972	8305412	s	NM_030808	8	CDS	81565	NDEL1	nudE nuclear distribution gene E homolog like 1 (A. nidulans)
Hs.372360.1.10	chr7:33086809:33149292	33127423	s	NM_014451	9	CDS	27241	B1	parathyroid hormone-responsive B1 gene
Hs.373741.1.28	chr20:29613201:29617673	29614135	s	NM_030789	10	CDS	81502	HM13	histocompatibility (minor) 13
Hs.374043.1.4	chr20:30423339:30479591	30424017	s	BC064984	4	3UTR	171023	ASXL1	additional sex combs like 1 (Drosophila)
Hs.374067.1.16	chr12:108390530:108391569	108391164	s	NM_130466	8	CDS	89910	UBE3B	ubiquitin protein ligase E3B
Hs.374067.1.17	chr12:108390530:108391569	108391247	s	NM_130466	8	CDS	89910	UBE3B	ubiquitin protein ligase E3B
Hs.374262.1.21	chr9:131982382:131919409	131978292	s	NM_004269	2	CDS	9442	CRSP8	cofactor required for Sp1 transcriptional activation, subunit 8, 34kDa
Hs.374477.1.21	chr22:28009330:28012107	28011227	s	BC011048	7	CDS	2130	EWSR1	Ewing sarcoma breakpoint region 1
Hs.375957.1.40	chr21:45154626:45151439	45152330	s	NM_000211	3	CDS	3689	ITGB2	integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit)
Hs.376617.1.3	chr7:1249618:1241669	1247244	s	AK091986	2	3UTR	79778	MICAL-L2	MICAL-like 2
Hs.37982.1.29	chr6:11321499:11301912	11308592	s	NM_006403	2	CDS	4739	NEDD9	neural precursor cell expressed, developmentally down-regulated 9
Hs.37982.1.37	chr6:11321499:11301912	11309144	s	NM_006403	2	CDS	4739	NEDD9	neural precursor cell expressed, developmentally down-regulated 9
Hs.380138.1.21	chr2:175537114:175514754	175527348	s	NM_001822	7	CDS	1123	CHN1	chimerin (chimaerin) 1
Hs.380277.1.20	chr9:87502597:87513065	87512516	s	NM_004938	18	CDS	1612	DAPK1	death-associated protein kinase 1
Hs.38032.1.25	chr3:11443401:11571284	11463410	s	NM_006395	17	CDS	10533	APG7L	APG7 autophagy 7-like (S. cerevisiae)
Hs.38034.1.9	chr11:125380863:125379182	125380498	s	NM_016952	9	CDS	50937	CDON	cell adhesion molecule-related/down-regulated by oncogenes
Hs.382683.1.2	chr9:101027395:101111716	101029863	s	NM_017753	2	CDS	54886	PRG-3	plasticity related gene 3
Hs.385861.1.12	chr7:22938032:22953627	22938904	s	NM_018846	5	CDS	55975	KLHL7	kelch-like 7 (Drosophila)
Hs.386000.1.3	chr15:38125563:38144713	38136493	s	AK127696	2	5UTR	NA	NA	NA
Hs.38621.1.17	chr10:97104628:97096200	97100973	s	NM_006434	14	CDS	10580	SORBS1	sorbin and SH3 domain containing 1
Hs.386215.1.27	chr10:51890438:51863323	51889707	s	NM_147156	5	5UTR	259230	TMEM23	transmembrane protein 23
Hs.386283.1.17	chr10:127721598:127717989	127719905	s	NM_003474	18	CDS	8038	ADAM12	a disintegrin and metalloproteinase domain 12 (meltrin alpha)
Hs.386684.1.17	chr6:135757606:135721019	135750615	s	NM_017651	22	CDS	54806	AHI1	Abelson helper integration site
Hs.387057.1.11	chr15:69844593:69850456	69847044	s	NM_024817	8	CDS	79875	FLJ13710	hypothetical protein FLJ13710
Hs.387336.1.19	chr12:98968917:98956290	98966154	s	NM_015054	12	CDS	23074	KIAA0701	KIAA0701 protein
Hs.387623.1.5	chr9:94134907:94141651	94137683	s	NM_194320	3	CDS	169841	ZNF169	zinc finger protein 169
Hs.388841.1.14	chr7:49898630:49874999	49896911	s	NM_007009	3	CDS	11055	ZBPB	zona pellucida binding protein
Hs.388918.1.14	chr9:36073560:36077690	36076181	s	NM_021111	8	CDS	8434	RECK	reversion-inducing-cysteine-rich protein with kazal motifs
Hs.388918.1.15	chr9:36073560:36077690	36076263	s	NM_021111	8	CDS	8434	RECK	reversion-inducing-cysteine-rich protein with kazal motifs
Hs.389678.1.23	chr17:76018227:76024527	76018766	s	NM_173627	9	CDS	284131	FLJ35220	hypothetical protein FLJ35220
Hs.389724.1.15	chr1:78807622:78813042	78807893	s	AL832618	2	3UTR	10964	IFI44L	interferon-induced protein 44-like
Hs.390568.1.15	chr19:42352580:42339098	42348127	s	BC063820	2	CDS	199704	ZNF585A	zinc finger protein 585A
Hs.390568.1.6	chr19:42338606:42333622	42333752	s	BC026081	4	CDS	199704	ZNF585A	zinc finger protein 585A
Hs.390736.1.14	chr2:201826337:201830585	201826819	s	NM_003879	4	CDS	8837	CFLAR	CASP8 and FADD-like apoptosis regulator
Hs.390736.1.24	chr2:201830669:201839982	201831727	s	AF009616	5	CDS	8837	CFLAR	CASP8 and FADD-like apoptosis regulator
Hs.396530.1.16	chr7:81017319:81003747	81016673	s	NM_000601	7	CDS	3082	HGF	hepatocyte growth factor (hepapoietin A; scatter factor)
Hs.397705.1.4	chr1:6819537:7085629	6866285	s	NM_015215	3	CDS	23261	CAMTA1	calmodulin binding transcription activator 1
Hs.397978.1.25	chr18:17517878:17498190	17516859	s	NM_138340	4	CDS	171586	ABHD3	abhydrolase domain containing 3
Hs.399810.1.8	chr19:63772455:63766684	63770997	s	NM_003422	5	CDS	7593	ZNF42	zinc finger protein 42 (myeloid-specific retinoic acid-responsive)
Hs.399891.1.19	chr6:74559247:74569663	74563881	s	NM_133493	23	CDS	135228	CD109	CD109 antigen (Gov platelet alloantigens)
Hs.401045.1.1	chr3:44748057:44750692	44748761	s	NM_145044	2	5UTR	115560	ZNF501	zinc finger protein 501

Hs.403150.1.1	chr12:91641836:91650333	91645967	s	NM_001004330	5	CDS	440107	FLJ46688	FLJ46688 protein
Hs.403171.1.32	chr6:52452545:52462896	52455752	s	NM_018100	9	CDS	114327	EFHC1	EF-hand domain (C-terminal) containing 1
Hs.403933.1.18	chr8:124613318:124595755	124608420	s	NM_058229	4	CDS	114907	FBXO32	F-box protein 32
Hs.404000.1.17	chr4:130322154:130317857	130317953	s	NM_144643	4	CDS	132320	FLJ30655	hypothetical protein FLJ30655
Hs.404089.1.15	chr10:104367176:104376921	104369210	s	NM_016169	10	CDS	51684	SUFU	suppressor of fused homolog (Drosophila)
Hs.404102.1.12	chr7:20471540:20494367	20473257	s	NM_178559	5	CDS	340273	ABCB5	ATP-binding cassette, sub-family B (MDR/TAP), member 5
Hs.404137.1.9	chr18:42857831:42879611	42879318	s	NM_031303	12	CDS	83473	KATNAL2	katanin p60 subunit A-like 2
Hs.404706.1.10	chrX:133641370:133630905	133631447	s	AK124940	8	CDS	159090	LOC159090	similar to hypothetical protein MGC17347
Hs.404706.1.7	chrX:133641370:133630905	133631187	s	AK124940	8	CDS	159090	LOC159090	similar to hypothetical protein MGC17347
Hs.404914.1.16	chr2:9626560:9618682	9620215	s	NM_003183	4	CDS	6868	ADAM17	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)
Hs.405610.1.13	chr18:46053044:46050187	46051416	s	NM_015845	13	CDS	4152	MBD1	methyl-CpG binding domain protein 1
Hs.405619.1.21	chr10:25266118:25200999	25237236	s	NM_020200	3	CDS	56952	PRTFDC1	phosphoribosyl transferase domain containing 1
Hs.405667.1.3	chr2:86983702:86961156	86980367	s	NM_172101	5	CDS	926	CD8B1	CD8 antigen, beta polypeptide 1 (p37)
Hs.406135.1.8	chr22:49513866:49527226	49517745	s	NM_203302	2	5UTR	284942	MGC70863	similar to RPL23AP7 protein
Hs.406156.1.47	chr1:62764198:62760947	62761797	s	NM_033407	15	CDS	85440	DOCK7	dedicator of cytokinesis 7
Hs.406234.1.6	chr15:39350109:39358256	39351864	s	NM_007236	5	CDS	11261	CHP	calcium binding protein P22
Hs.406758.1.12	chr7:27355825:27351277	27352740	s	NM_152740	5	CDS	11112	HIBADH	3-hydroxyisobutyrate dehydrogenase
Hs.407162.2.1	chr19:19888465:19904990	19904747	s	AK096342	3	CDS	NA	NA	NA
Hs.407162.2.2	chr19:19888465:19904990	19904806	s	AK096342	3	CDS	NA	NA	NA
Hs.408451.1.21	chr19:8512789:8510913	8511203	s	NM_012335	15	CDS	4542	MYO1F	myosin IF
Hs.408456.1.46	chr19:5224452:5216208	5224075	s	NM_002850	3	CDS	5802	PTPRS	protein tyrosine phosphatase, receptor type, S
Hs.408528.1.2	chr13:47779544:47814735	47805353	s	NM_000321	2	CDS	5925	RB1	retinoblastoma 1 (including osteosarcoma)
Hs.408557.1.8	chr6:11108305:11103398	11107962	s	NM_017770	4	CDS	54898	ELOVL2	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2
Hs.408658.1.14	chr8:95966470:95964297	95965123	s	NM_004702	7	CDS	9134	CCNE2	cyclin E2
Hs.408702.1.8	chr16:56601518:56605677	56604960	s	NM_024598	3	CDS	79650	FLJ13154	hypothetical protein FLJ13154
Hs.410810.1.15	chr5:170388599:170529738	170388809	s	AJ288954	15	3UTR	64901	RANBP17	RAN binding protein 17
Hs.410969.1.7	chr15:86277246:86273670	86275312	s	NM_001012338	15	CDS	4916	NTRK3	neurotrophic tyrosine kinase, receptor, type 3
Hs.411433.1.27	chr2:58360727:58343013	58352293	s	NM_018062	5	CDS	55120	FANCL	Fanconi anemia, complementation group L
Hs.412102.1.2	chr15:38022979:38028608	38026388	s	NM_001013703	3	CDS	440275	EIF2AK4	eukaryotic translation initiation factor 2 alpha kinase 4
Hs.412939.1.17	chr4:111477006:111384389	111476327	s	NM_024090	1	CDS	79071	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)
Hs.413047.1.8	chr17:70618297:70636366	70622513	s	NM_024585	2	CDS	79637	ARMC7	armadillo repeat containing 7
Hs.413482.1.16	chr21:44384653:44387514	44385725	s	NM_004649	5	CDS	8209	C21orf33	chromosome 21 open reading frame 33
Hs.413525.1.6	chr16:79762048:79759208	79761395	s	NM_052892	17	CDS	114780	PKD1L2	polycystic kidney disease 1-like 2
Hs.415048.1.6	chr5:179968573:179962997	179967359	s	NM_182925	29	CDS	2324	FLT4	fms-related tyrosine kinase 4
Hs.416061.1.11	chr2:182876124:182858524	182873545	s	NM_001003683	14	CDS	5136	PDE1A	phosphodiesterase 1A, calmodulin-dependent
Hs.416262.1.4	chr16:526144:536817	529859	s	NM_005632	3	5UTR	6650	SOLH	small optic lobes homolog (Drosophila)
Hs.416707.1.31	chr1:94238113:94234400	94237046	s	NM_000350	14	CDS	24	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4
Hs.416922.1.7	chr3:176672249:176776530	176688139	s	NM_207015	9	CDS	254827	NAALADL2	N-acetylated alpha-linked acidic dipeptidase 2
Hs.417795.1.21	chr19:40688459:40685629	40686048	s	NM_033317	9	CDS	93099	ZD52F10	dermokine
Hs.418533.1.11	chr10:124912335:124914552	124913399	s	NM_001007793	7	CDS	9184	BUB3	BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast)
Hs.418533.1.13	chr10:124912335:124914552	124913520	s	NM_001007793	7	CDS	9184	BUB3	BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast)
Hs.418533.1.15	chr10:124912335:124914552	124913685	s	NM_001007793	7	CDS	9184	BUB3	BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast)

Hs.419763.1.3	chr19:21961857:21949450	21961370	s	NM_007153	2	CDS	7757	ZNF208	zinc finger protein 208
Hs.420036.1.10	chr2:171518901:171526061	171524772	s	NM_000817	6	CDS	2571	GAD1	glutamate decarboxylase 1 (brain, 67kDa)
Hs.420269.1.53	chr21:46370884:46376295	46374142	s	NM_001849	27	CDS	1292	COL6A2	collagen, type VI, alpha 2
Hs.420272.1.16	chr5:134724085:134716635	134723067	s	NM_004893	5	CDS	9555	H2AFY	H2A histone family, member Y
Hs.420272.1.20	chr5:134724085:134716635	134723433	s	NM_004893	5	CDS	9555	H2AFY	H2A histone family, member Y
Hs.420757.1.15	chr1:214172057:214076627	214169930	s	NM_018040	5	CDS	55105	GPATC2	G patch domain containing 2
Hs.42146.1.9	chr2:222984390:222922508	222983859	s	NM_181457	4	CDS	5077	PAX3	paired box gene 3 (Waardenburg syndrome 1)
Hs.421848.1.11	chr10:102733501:102729120	102731127	s	NM_176792	4	CDS	84545	MRPL43	mitochondrial ribosomal protein L43
Hs.422569.1.1	chr15:43595383:43634979	43599158	s	NM_001005269	3	5UTR	283651	C15orf21	chromosome 15 open reading frame 21
Hs.424589.1.2	chr1:52820696:52837093	52834758	s	NM_182621	3	3UTR	348378	MGC52498	hypothetical protein MGC52498
Hs.425023.1.4	chr20:13088780:13093400	13093118	s	AK075271	3	CDS	140911	SPTLC2L	serine palmitoyltransferase, long chain base subunit 2-like (aminotransferase 2)
Hs.426324.1.16	chr8:15632610:15645417	15635525	s	NM_006765	7	CDS	7991	TUSC3	tumor suppressor candidate 3
Hs.426324.1.23	chr8:15659736:15666082	15660077	s	NM_006765	10	3UTR	7991	TUSC3	tumor suppressor candidate 3
Hs.426324.1.25	chr8:15659736:15666082	15660157	s	NM_006765	10	3UTR	7991	TUSC3	tumor suppressor candidate 3
Hs.42771.1.5	chr18:62353202:62348184	62350556	s	NM_021153	8	CDS	28513	CDH19	cadherin 19, type 2
Hs.431498.1.39	chr3:71330042:71244479	71329727	s	NM_032682	6	CDS	27086	FOXP1	forkhead box P1
Hs.432397.1.12	chr10:362945:346033	360579	s	NM_014974	31	CDS	22982	KIAA0934	KIAA0934
Hs.432397.1.19	chr10:402214:400523	400902	s	NM_014974	19	CDS	22982	KIAA0934	KIAA0934
Hs.432690.1.6	chr14:68960673:68978538	68965946	s	NM_018375	2	CDS	55334	SLC39A9	solute carrier family 39 (zinc transporter), member 9
Hs.432760.1.14	chr1:19450339:19429364	19445978	s	NM_004930	3	CDS	832	CAPZB	capping protein (actin filament) muscle Z-line, beta
Hs.432842.1.21	chr9:127016616:127036923	127020259	s	NM_014636	11	CDS	9649	RALGSP1	Ral GEF with PH domain and SH3 binding motif 1
Hs.432842.1.30	chr9:127056676:127060572	127059177	s	NM_014636	18	CDS	9649	RALGSP1	Ral GEF with PH domain and SH3 binding motif 1
Hs.432842.1.7	chr9:126819579:126876263	126832056	s	NM_014636	4	CDS	9649	RALGSP1	Ral GEF with PH domain and SH3 binding motif 1
Hs.433062.1.4	chr6:74008498:73991866	74007764	s	NM_030568	4	CDS	80759	C6orf148	chromosome 6 open reading frame 148
Hs.43322.1.26	chr5:40805274:40803550	40804244	s	NM_006251	5	CDS	5562	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit
Hs.433728.1.9	chr18:46444873:46495446	46486507	s	NM_002747	1	CDS	5596	MAPK4	mitogen-activated protein kinase 4
Hs.434133.1.11	chr19:17521337:17525121	17523833	s	NM_173544	15	CDS	199786	BCNP1	B-cell novel protein 1
Hs.434219.1.26	chr5:139824546:139842348	139832242	s	NM_017747	10	CDS	54882	ANKHD1	ankyrin repeat and KH domain containing 1
Hs.434255.1.15	chr8:18667238:18557476	18664675	s	NM_015310	9	3UTR	23362	PSD3	pleckstrin and Sec7 domain containing 3
Hs.434255.1.32	chr8:18837823:18774524	18826323	s	NM_015310	2	CDS	23362	PSD3	pleckstrin and Sec7 domain containing 3
Hs.434286.1.20	chr14:88817046:88726547	88766825	s	U68723	4	CDS	1112	CHES1	checkpoint suppressor 1
Hs.434296.1.11	chr6:39660651:39653914	39658929	s	NM_145027	9	CDS	221458	C6orf102	chromosome 6 open reading frame 102
Hs.434385.1.2	chr1:40624390:40629685	40625921	s	NM_198494	5	CDS	339559	ZNF642	zinc finger protein 642
Hs.434401.1.23	chr2:71519351:71534925	71527366	s	NM_001014972	10	CDS	27332	ZNF638	zinc finger protein 638
Hs.434406.1.3	chr19:24081286:24100895	24081994	s	NM_004876	3	CDS	9534	ZNF254	zinc finger protein 254
Hs.434418.1.7	chr2:1860607:1825773	1857946	s	NM_015025	18	CDS	23040	MYT1L	myelin transcription factor 1-like
Hs.434864.1.4	chr16:29915683:29919579	29916765	s	NM_173618	3	CDS	283899	FLJ90652	hypothetical protein FLJ90652
Hs.434900.1.13	chr3:73734194:73536237	73539899	s	NM_015009	3	CDS	23024	PDZRN3	PDZ domain containing RING finger 3
Hs.434961.1.14	chr6:16861442:16766112	16845061	s	NM_000332	3	5UTR	6310	ATXN1	ataxin 1
Hs.434961.1.15	chr6:16861442:16766112	16846688	s	NM_000332	3	5UTR	6310	ATXN1	ataxin 1
Hs.434996.1.12	chr12:108851736:108839773	108848590	s	NM_057170	14	CDS	9815	GIT2	G protein-coupled receptor kinase interactor 2
Hs.435022.1.20	chr22:30535753:30539561	30536528	s	NM_014662	21	CDS	9681	DEPDC5	DEP domain containing 5
Hs.435023.1.4	chr2:241179768:241172350	241179162	s	NM_016552	8	CDS	51281	ANKMY1	ankyrin repeat and MYND domain containing 1
Hs.435039.1.9	chr2:236497976:236573988	236543846	s	NM_014914	9	CDS	116987	CENTG2	centaurin, gamma 2
Hs.435044.1.15	chr22:45628604:45690704	45630207	s	NM_014346	8	CDS	25771	TBC1D22A	TBC1 domain family, member 22A
Hs.435064.1.11	chr9:123282192:123245324	123255104	s	NM_020946	19	CDS	57706	KIAA1608	KIAA1608
Hs.435064.1.6	chr9:123245234:123225747	123243384	s	NM_020946	20	CDS	57706	KIAA1608	KIAA1608

Hs.435064.1.7	chr9:123245234:123225747	123243424	s	NM_020946	20	CDS	57706	KIAA1608	KIAA1608
Hs.435168.1.2	chr12:129981006:129991308	129982784	s	NM_198827	4	CDS	283383	GPR133	G protein-coupled receptor 133
Hs.435237.1.18	chr5:60249848:60236458	60241198	s	NM_000082	4	CDS	1161	ERCC8	excision repair cross-complementing rodent repair deficiency, complementation group 8
Hs.435302.1.13	chr7:99317408:99307187	99314218	s	AF193057	5	CDS	7551	ZNF3	zinc finger protein 3 (A8-51)
Hs.435309.1.12	chr9:16572980:16542764	16569794	s	NM_017637	2	CDS	54796	BNC2	basonuclin 2
Hs.435458.1.2	chr18:40703247:40783843	40711377	s	NM_015559	2	CDS	26040	SETBP1	SET binding protein 1
Hs.435561.1.42	chr11:107711899:107719158	107712345	s	NM_000051	57	CDS	472	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)
Hs.435610.1.16	chr10:28919768:28937120	28924975	s	NM_100486	6	CDS	51322	WAC	WW domain containing adaptor with coiled-coil
Hs.435661.1.15	chr14:77088191:77057678	77071696	s	NM_004863	9	CDS	9517	SPTLC2	serine palmitoyltransferase, long chain base subunit 2
Hs.435774.1.7	chr10:38346321:38383311	38369509	s	NM_006974	2	CDS	7581	ZNF33A	zinc finger protein 33A
Hs.435841.1.12	chr2:233425454:233437829	233426756	s	NM_015575	5	CDS	26058	TNRC15	trinucleotide repeat containing 15
Hs.435841.1.13	chr2:233425454:233437829	233426860	s	NM_015575	5	CDS	26058	TNRC15	trinucleotide repeat containing 15
Hs.435941.1.3	chr16:23561846:23577328	23569969	s	NM_032486	2	CDS	84516	MGC3248	dynactin 4
Hs.435948.1.17	chr10:89517409:89509525	89516043	s	BC073998	7	CDS	84896	ATAD1	ATPase family, AAA domain containing 1
Hs.436040.1.12	chr16:81716608:81808450	81772131	s	NM_001257	4	CDS	1012	CDH13	cadherin 13, H-cadherin (heart)
Hs.436040.1.13	chr16:81716608:81808450	81772200	s	NM_001257	4	CDS	1012	CDH13	cadherin 13, H-cadherin (heart)
Hs.436197.1.2	chr12:95653835:95660396	95658814	s	NM_198520	25	CDS	374467	FLJ44112	FLJ44112 protein
Hs.436237.1.5	chr17:77949360:77945709	77947710	s	NM_175902	8	CDS	79701	FLJ22222	hypothetical protein FLJ22222
Hs.436242.1.8	chr10:32820932:32846878	32828315	s	NM_145023	10	CDS	221016	CCDC7	coiled-coil domain containing 7
Hs.436367.1.7	chr18:19618120:19644327	19630110	s	NM_198129	12	CDS	3909	LAMA3	laminin, alpha 3
Hs.436625.1.1	chr11:92705103:92728184	92725321	s	NM_181645	2	CDS	159989	FLJ25393	hypothetical protein FLJ25393
Hs.436721.1.22	chr1:15434529:15437628	15436119	s	AK093883	5	CDS	114827	FHAD1	forkhead-associated (FHA) phosphopeptide binding domain 1
Hs.436873.1.7	chr2:187326441:187327297	187326922	s	NM_002210	7	CDS	3685	ITGAV	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)
Hs.436896.1.12	chr10:79409904:79399820	79407209	s	BC014399	7	CDS	11128	POLR3A	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa
Hs.436896.1.3	chr10:79409904:79399820	79406191	s	BC014399	7	CDS	11128	POLR3A	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa
Hs.43697.1.24	chr3:187305795:187281667	187295613	s	NM_004454	5	CDS	2119	ETV5	ets variant gene 5 (ets-related molecule)
Hs.437179.1.9	chr8:38242815:38241280	38241414	s	BC033025	6	CDS	84513	PPAPDC1B	phosphatidic acid phosphatase type 2 domain containing 1B
Hs.437256.1.24	chr15:55791679:55814956	55794400	s	AK074767	3	CDS	81488	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A
Hs.437256.1.30	chr15:55791679:55814956	55797043	s	AK074767	3	CDS	81488	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A
Hs.438236.1.26	chr10:116201372:116197770	116199829	s	NM_001003407	14	CDS	3983	ABLIM1	actin binding LIM protein 1
Hs.438250.1.3	chr15:63985476:63978327	63981164	s	NM_032445	19	CDS	84465	MEGF11	MEGF11 protein
Hs.438250.1.5	chr15:63985476:63981930	63985129	s	AY358226	5	3UTR	84465	MEGF11	MEGF11 protein
Hs.438550.1.58	chr11:133598966:133595831	133598204	s	NM_015261	1	CDS	23310	hCAP-D3	KIAA0056 protein
Hs.438709.1.9	chr5:126786364:126796953	126788195	s	NM_032446	14	CDS	84466	MEGF10	MEGF10 protein
Hs.438720.1.20	chr7:99341926:99338248	99341413	s	AF279900	1	CDS	4176	MCM7	MCM7 minichromosome maintenance deficient 7 (S. cerevisiae)
Hs.438906.1.4	chr22:30408695:30397559	30405574	s	NM_173566	5	CDS	253143	MGC50372	hypothetical protein MGC50372
Hs.438994.1.13	chr19:63449973:63464028	63454885	s	NM_014480	5	CDS	27300	ZNF544	zinc finger protein 544
Hs.439199.1.5	chrY:15273281:15374198	15283553	s	NM_014893	3	CDS	22829	NLGN4Y	neuroligin 4, Y-linked
Hs.440049.1.13	chr3:127661193:127643488	127660451	s	NM_025112	7	CDS	79364	ZXDC	ZXD family zinc finger C
Hs.440384.1.12	chr7:98722062:98726303	98724596	s	NM_213603	3	CDS	285989	LOC285989	hypothetical protein LOC285989
Hs.440508.1.8	chr6:130546940:130538847	130545826	s	NM_001017373	7	CDS	154075	SAMD3	sterile alpha motif domain containing 3
Hs.440955.1.10	chr2:182165522:182168989	182166451	s	NM_000885	4	CDS	3676	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)

Hs.440961.1.5	chr5:96088991:96091071	96090642	s	BX648397	3	CDS	831	CAST	calpastatin
Hs.441145.1.12	chr3:40440459:40443766	40441494	s	NM_001248	10	CDS	956	ENTPD3	ectonucleoside triphosphate diphosphohydrolase 3
Hs.442578.1.3	chr1:194618785:194620758	194619553	s	NM_001014434	2	CDS	56956	LHX9	LIM homeobox 9
Hs.442592.1.39	chr5:148909830:148884928	148909084	s	NM_001892	2	CDS	1452	CSNK1A1	casein kinase 1, alpha 1
Hs.442657.1.8	chr2:101086430:101086007	101086020	s	NM_007063	16	CDS	11138	TBC1D8	TBC1 domain family, member 8 (with GRAM domain)
Hs.442707.1.12	chr8:74106923:74113904	74113587	s	NM_003218	7	CDS	7013	TERF1	telomeric repeat binding factor (NIMA-interacting) 1
Hs.443139.1.15	chr8:145327433:145347490	145340356	s	AK092861	1	5UTR	377711	KIAA1833	hypothetical protein KIAA1833
Hs.443330.1.14	chr19:55183440:55176083	55176774	s	NM_016440	12	CDS	51231	VRK3	vaccinia related kinase 3
Hs.443330.1.19	chr19:55183440:55176083	55181368	s	NM_016440	12	CDS	51231	VRK3	vaccinia related kinase 3
Hs.443430.1.20	chr22:18257483:18245539	18257093	s	NM_006440	11	CDS	10587	TXNRD2	thioredoxin reductase 2
Hs.443481.1.12	chr2:68273484:68270229	68270543	s	NM_138458	7	CDS	116143	LOC116143	hypothetical protein BC014022
Hs.443490.1.12	chrX:21631279:21646241	21635368	s	NM_015884	5	CDS	51360	MBTPS2	membrane-bound transcription factor protease, site 2
Hs.443529.1.2	chr8:67752744:67754509	67753084	s	NM_019607	3	CDS	56260	C8orf44	chromosome 8 open reading frame 44
Hs.443744.1.5	chr7:128136780:128128298	128134635	s	NM_199349	8	CDS	375616	CRIM2	cysteine rich BMP regulator 2 (chordin-like)
Hs.443875.1.19	chr5:112367674:112374351	112371594	s	BC064593	8	CDS	167227	DCP2	DCP2 decapping enzyme homolog (S. cerevisiae)
Hs.444024.1.24	chr11:130281057:130278490	130280770	s	NM_014758	7	CDS	399979	SNX19	sorting nexin 19
Hs.444229.1.12	chr4:87253294:87255901	87254093	s	NM_031305	4	CDS	83478	ARHGAP24	Rho GTPase activating protein 24
Hs.444292.1.14	chr6:97801224:97788578	97800576	s	NM_198468	11	CDS	253714	C6orf167	chromosome 6 open reading frame 167
Hs.444292.1.16	chr6:97817931:97809331	97813260	s	NM_198468	9	CDS	253714	C6orf167	chromosome 6 open reading frame 167
Hs.444362.1.19	chr3:189908884:189960602	189947108	s	NM_005578	7	CDS	4026	LPP	LIM domain containing preferred translocation partner in lipoma
Hs.444389.1.4	chr8:23347774:23299504	23342620	s	BC034477	12	CDS	9583	ENTPD4	ectonucleoside triphosphate diphosphohydrolase 4
Hs.444451.1.20	chr2:173907486:173919923	173911813	s	NM_016653	11	CDS	51776	ZAK	sterile alpha motif and leucine zipper containing kinase AZK solute carrier family 2 (facilitated glucose transporter), member 9
Hs.444612.1.16	chr4:9674673:9663687	9673562	s	NM_001001290	4	CDS	56606	SLC2A9	sterile alpha motif and leucine zipper containing kinase AZK solute carrier family 2 (facilitated glucose transporter), member 9
Hs.444724.1.22	chr3:28348863:28343446	28348187	s	NM_022461	6	CDS	64343	AZI2	5-azacytidine induced 2
Hs.444842.1.6	chr6:70896837:70904297	70897816	s	NM_001858	18	CDS	1310	COL19A1	collagen, type XIX, alpha 1
Hs.445061.1.18	chr16:69322898:69290216	69322682	s	NM_018052	14	CDS	55697	VAC14	Vac14 homolog (S. cerevisiae)
Hs.445244.1.3	chr6:107934325:107961355	107942972	s	NM_018013	3	CDS	55084	FLJ10159	hypothetical protein FLJ10159
Hs.445356.1.2	chr9:12766027:12811384	12767577	s	NM_203403	1	CDS	286343	C9orf150	chromosome 9 open reading frame 150
Hs.445748.1.32	chr11:72372780:72310644	72372458	s	NM_014824	7	CDS	9873	FCHSD2	FCH and double SH3 domains 2
Hs.445775.1.29	chr15:73596654:73588424	73592587	s	NM_002833	5	CDS	5780	PTPN9	protein tyrosine phosphatase, non-receptor type 9
Hs.445814.1.8	chr12:42411774:42410773	42410820	s	NM_031292	8	CDS	83448	DKFZP434G1415	hypothetical protein DKFZp434G1415
Hs.445892.1.15	chr3:42574073:42565154	42569401	s	AY359041	5	CDS	9117	SEC22L3	SEC22 vesicle trafficking protein-like 3 (S. cerevisiae)
Hs.446083.1.42	chr9:8518590:8517354	8518152	s	NM_002839	5	CDS	5789	PTPRD	protein tyrosine phosphatase, receptor type, D
Hs.446146.1.33	chr19:53436030:53429613	53433404	s	NM_014959	2	5UTR	22900	CARD8	caspase recruitment domain family, member 8
Hs.446164.1.9	chr18:28575888:28529514	28568080	s	NM_020805	3	CDS	57565	KLHL14	kelch-like 14 (Drosophila)
Hs.446291.1.7	chr8:16045437:16022487	16022769	s	NM_138715	8	CDS	4481	MSR1	macrophage scavenger receptor 1
Hs.448012.1.10	chr17:18466536:18454331	18464124	s	NM_182568	2	CDS	284047	FLJ36492	hypothetical protein FLJ36492
Hs.448012.1.9	chr17:18451934:18450658	18450701	s	NM_182568	4	CDS	284047	FLJ36492	hypothetical protein FLJ36492
Hs.453723.1.2	chr7:34591418:34640252	34592692	s	AY310331	3	CDS	387129	GPR154	G protein-coupled receptor 154
Hs.454808.1.5	chr1:23162988:23160853	23162226	s	NM_033631	4	CDS	7798	LUZP1	leucine zipper protein 1
Hs.455089.1.4	chr4:10132697:10124433	10128780	s	NM_053042	2	5UTR	85460	KIAA1729	KIAA1729 protein
Hs.458609.1.43	chr15:63591685:63586747	63591359	s	NM_017743	2	CDS	54878	DPP8	dipeptidylpeptidase 8

Hs.459187.1.6	chr15:83239359:83248331	83240272	s	NM_004213	6	CDS	9154	SLC28A1	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1
Hs.459345.1.6	chr15:88937992:88946559	88943771	s	NM_022769	3	CDS	64784	TORC3	transducer of regulated cAMP response element-binding protein (CREB) 3
Hs.459538.1.4	chr15:99245441:99250237	99250062	s	NM_000693	3	CDS	220	ALDH1A3	aldehyde dehydrogenase 1 family, member A3
Hs.459691.1.20	chr16:2573588:2576677	2573989	s	NM_002613	10	CDS	5170	PDPK1	3-phosphoinositide dependent protein kinase-1
Hs.460107.1.13	chr16:15695615:15698066	15696988	s	NM_017668	7	CDS	54820	NDE1	nudE nuclear distribution gene E homolog 1 (A. nidulans)
Hs.460355.1.34	chr16:24110053:24138782	24134828	s	NM_212535	16	CDS	5579	PRKCB1	protein kinase C, beta 1
Hs.460558.1.10	chr16:29376838:29380203	29377041	s	NM_001017389	3	5UTR	445329	SULT1A4	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4
Hs.461229.1.10	chr16:69658693:69656245	69657984	s	NM_017558	15	CDS	54768	HYDIN	hydrocephalus inducing
Hs.461389.1.2	chr16:75018998:75039409	75023945	s	NM_033401	3	CDS	85445	CNTNAP4	contactin associated protein-like 4
Hs.461727.1.20	chr16:87714823:87727044	87716741	s	NM_174917	7	CDS	197322	LOC197322	hypothetical protein LOC197322
Hs.461819.1.21	chr17:451784:436355	450872	s	NM_018289	11	CDS	55275	FLJ10979	hypothetical protein FLJ10979
Hs.461860.1.60	chr9:131106659:131120152	131116626	s	NM_005085	30	CDS	8021	NUP214	nucleoporin 214kDa
Hs.462348.1.20	chr1:5881611:5874566	5880821	s	NM_015102	18	CDS	261734	NPHP4	nephronophthisis 4
Hs.462445.1.11	chr17:19191174:19187764	19190856	s	NM_015681	5	CDS	27077	EPPB9	B9 protein
Hs.462589.1.75	chr17:24488159:24473398	24484905	s	AY703984	2	5UTR	399687	MYO18A	myosin XVIIIa
Hs.462680.1.7	chr17:25835915:25841269	25838711	s	NM_001007024	4	CDS	9527	GOSR1	golgi SNAP receptor complex member 1
Hs.462777.1.14	chr17:27956217:27846047	27945322	s	NM_015194	21	CDS	4642	MYO1D	myosin ID
Hs.462777.1.15	chr17:27956217:27846047	27945502	s	NM_015194	21	CDS	4642	MYO1D	myosin ID
Hs.463024.1.2	chr17:36821263:36833131	36822371	s	AK123843	3	5UTR	NA	NA	NA
Hs.463439.1.70	chr17:46473860:46453726	46463818	s	NM_003971	5	CDS	9043	SPAG9	sperm associated antigen 9
Hs.464243.1.18	chr17:74306584:74306229	74306230	s	NM_025090	19	CDS	57602	USP36	ubiquitin specific protease 36
Hs.464243.1.8	chr17:74306076:74295336	74304565	s	AK022913	21	3UTR	57602	USP36	ubiquitin specific protease 36
Hs.464585.1.15	chr18:9211998:9244208	9225808	s	NM_015208	8	CDS	23253	ANKRD12	ankyrin repeat domain 12
Hs.465554.1.22	chr19:2165596:2167279	2166861	s	NM_032482	19	CDS	84444	DOT1L	DOT1-like, histone H3 methyltransferase (S. cerevisiae)
Hs.465744.1.24	chr19:7114042:7103939	7110438	s	NM_000208	9	CDS	3643	INSR	insulin receptor
Hs.466891.1.2	chr19:49462955:49468891	49464206	s	NM_181756	4	CDS	353355	ZNF233	zinc finger protein 233
Hs.467084.1.51	chr1:21013289:20976771	21013043	s	NM_003760	9	CDS	8672	EIF4G3	eukaryotic translation initiation factor 4 gamma, 3
Hs.467236.1.14	chr19:58269204:58265328	58267958	s	NM_033288	5	CDS	90338	ZNF160	zinc finger protein 160
Hs.467288.1.25	chr19:59563440:59560388	59561427	s	NM_002287	4	CDS	3903	LAIR1	leukocyte-associated Ig-like receptor 1
Hs.467554.1.3	chr2:1419164:1436472	1422178	s	NM_000547	5	CDS	7173	TPO	thyroid peroxidase
Hs.467662.1.18	chr2:9476086:9479020	9476864	s	NM_003887	21	CDS	8853	DDEF2	development and differentiation enhancing factor 2
Hs.467751.1.11	chr2:12814277:12831049	12815539	s	NM_021643	2	CDS	28951	TRIB2	tribbles homolog 2 (Drosophila)
Hs.467751.1.12	chr2:12814277:12831049	12815596	s	NM_021643	2	CDS	28951	TRIB2	tribbles homolog 2 (Drosophila)
Hs.467759.1.4	chr2:15269709:15258046	15268671	s	NM_015909	51	CDS	51594	NAG	neuroblastoma-amplified protein
Hs.467759.1.55	chr2:15484948:15474040	15484361	s	NM_015909	28	CDS	51594	NAG	neuroblastoma-amplified protein
Hs.467960.1.1	chr2:26169256:26233181	26228370	s	NM_016131	1	CDS	10890	RAB10	RAB10, member RAS oncogene family
Hs.468125.1.18	chr2:32839639:32870545	32841717	s	NM_017735	10	CDS	55622	FLJ20272	hypothetical protein FLJ20272
Hs.468349.1.4	chr2:44529096:44843072	44530868	s	NM_024766	3	CDS	79823	C2orf34	chromosome 2 open reading frame 34
Hs.468653.1.10	chr2:61222101:61226944	61225173	s	NM_032506	8	CDS	84542	KIAA1841	KIAA1841 protein
Hs.469045.1.24	chr2:74688150:74675711	74686723	s	NM_032603	4	CDS	84695	LOXL3	lysyl oxidase-like 3
Hs.469630.1.12	chr2:109946405:109949948	109947971	s	NM_005054	18	CDS	84220	RANBP2L1	RAN binding protein 2-like 1
Hs.469798.1.10	chr7:99716547:99709875	99716043	s	NM_030935	3	CDS	81628	TSC22D4	TSC22 domain family, member 4
Hs.470126.1.10	chr2:143519043:143546110	143538722	s	NM_003937	4	CDS	8942	KYNU	kynureninase (L-kynurenine hydrolase)
Hs.470126.1.16	chr2:143552072:143576384	143556045	s	NM_003937	8	CDS	8942	KYNU	kynureninase (L-kynurenine hydrolase)
Hs.470126.1.17	chr2:143552072:143576384	143558795	s	NM_003937	8	CDS	8942	KYNU	kynureninase (L-kynurenine hydrolase)
Hs.470126.1.18	chr2:143552072:143576384	143562694	s	NM_003937	8	CDS	8942	KYNU	kynureninase (L-kynurenine hydrolase)
Hs.470553.1.4	chr2:170494473:170492362	170493778	s	NM_014168	7	3UTR	29081	METTL5	methyltransferase like 5

Hs.470675.1.16	chr2:175069157:175041961	175048408	s	NM_004882	7	CDS	9541	CIR	CBF1 interacting corepressor
Hs.470791.1.15	chr2:180173504:180137004	180171064	s	NM_152520	6	CDS	151126	ZNF533	zinc finger protein 533
Hs.470907.1.19	chr1:33156060:33149289	33154383	s	NM_001625	4	CDS	204	AK2	adenylate kinase 2
Hs.471011.1.49	chr2:198110657:198108819	198109026	s	NM_012433	4	CDS	23451	SF3B1	splicing factor 3b, subunit 1, 155kDa
Hs.471162.1.7	chr2:204135096:204131643	204131698	s	NM_213589	13	CDS	65059	RAPH1	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1
Hs.471200.1.42	chr2:206457049:206482464	206467382	s	NM_201266	15	CDS	8828	NRP2	neuropilin 2
Hs.471381.1.25	chr2:218571126:218539317	218549458	s	NM_022648	16	CDS	7145	TNS1	tensin 1
Hs.471381.1.26	chr2:218571126:218549931	218569528	s	BC051304	13	CDS	7145	TNS1	tensin 1
Hs.471576.1.13	chr2:230936161:230939104	230938234	s	U63420	7	CDS	11262	SP140	SP140 nuclear body protein
Hs.471576.1.8	chr2:230928602:230931623	230929292	s	NM_007237	3	CDS	11262	SP140	SP140 nuclear body protein
Hs.471834.1.3	chr2:241699821:241707721	241700769	s	AK074062	7	CDS	25992	SNED1	sushi, nidogen and EGF-like domains 1
Hs.471876.1.10	chr2:242382677:242384393	242383439	s	NM_032329	7	CDS	84289	ING5	inhibitor of growth family, member 5
Hs.472409.1.13	chr20:30268186:30279726	30269387	s	NM_015352	4	CDS	23509	POFUT1	protein O-fucosyltransferase 1
Hs.472558.1.6	chr20:33594105:33598576	33595071	s	NM_015966	4	CDS	51614	C20orf47	chromosome 20 open reading frame 47
Hs.47288.1.10	chr9:70628574:70606195	70618558	s	NM_001007471	7	CDS	80036	TRPM3	transient receptor potential cation channel, subfamily M, member 3
Hs.473082.1.18	chr20:50210068:50148534	50201228	s	NM_199427	5	CDS	55734	ZFP64	zinc finger protein 64 homolog (mouse)
Hs.473082.1.19	chr20:50210068:50148534	50201503	s	NM_199427	5	CDS	55734	ZFP64	zinc finger protein 64 homolog (mouse)
Hs.473087.1.22	chr1:41137942:41140815	41139015	s	NM_001905	12	CDS	1503	CTPS	CTP synthase
Hs.473163.1.16	chr20:55192184:55183471	55186159	s	NM_001719	4	CDS	655	BMP7	bone morphogenetic protein 7 (osteogenic protein 1)
Hs.473243.1.21	chr20:60011610:60009173	60011100	s	NM_003185	9	CDS	6874	TAF4	TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135kDa
Hs.473254.1.13	chr20:60287801:60289508	60288669	s	AK124174	1	CDS	9885	OSBPL2	oxysterol binding protein-like 2
Hs.473256.1.103	chr20:60354268:60347060	60350336	s	NM_005560	11	CDS	3911	LAMA5	laminin, alpha 5
Hs.473317.1.12	chr20:62369808:62389475	62377450	s	BC032332	5	CDS	55251	C20orf36	chromosome 20 open reading frame 36
Hs.473635.1.16	chr21:33037429:33032502	33035521	s	NM_016631	15	CDS	94104	C21orf66	chromosome 21 open reading frame 66
Hs.473788.1.5	chr11:63512801:63520577	63514677	s	NM_017670	3	CDS	55611	OTUB1	OTU domain, ubiquitin aldehyde binding 1
Hs.473894.1.6	chr21:42192230:42182523	42186877	s	NM_199050	12	CDS	25966	C21orf25	chromosome 21 open reading frame 25
Hs.474049.1.12	chr21:46161972:46174261	46163820	s	BC012061	8	CDS	54039	PCBP3	poly(rC) binding protein 3
Hs.474083.1.18	chr1:44120387:44125062	44122529	s	NM_001005417	6	CDS	8704	B4GALT2	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 2
Hs.474596.1.44	chr22:29995849:29998836	29998178	s	NM_005569	15	CDS	3985	LIMK2	LIM domain kinase 2
Hs.474751.1.84	chr22:35047112:35043067	35044832	s	NM_002473	5	CDS	4627	MYH9	myosin, heavy polypeptide 9, non-muscle
Hs.474751.1.85	chr22:35047112:35043067	35045578	s	NM_002473	5	CDS	4627	MYH9	myosin, heavy polypeptide 9, non-muscle
Hs.474982.2.20	chr22:40240781:40243333	40242091	s	NM_001098	9	CDS	50	ACO2	aconitase 2, mitochondrial
Hs.475125.1.22	chr22:44523440:44559407	44539694	s	NM_013236	10	CDS	25814	ATXN10	ataxin 10
Hs.475506.1.4	chr3:12919272:12915934	12917076	s	NM_014869	13	CDS	9922	IQSEC1	IQ motif and Sec7 domain 1
Hs.475848.1.10	chr18:664160:663077	663712	s	X67098	14	3UTR	55556	ENOSF1	enolase superfamily member 1
Hs.475896.1.13	chr3:33843077:33845348	33843760	s	NM_013374	6	CDS	10015	PDCD6IP	programmed cell death 6 interacting protein
Hs.475902.1.13	chr3:35700312:35704234	35701287	s	NM_016300	5	CDS	10777	ARPP-21	cyclic AMP-regulated phosphoprotein, 21 kD
Hs.475963.1.7	chr3:37984378:37987901	37984927	s	NM_001008392	5	CDS	10217	CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like
Hs.476365.1.18	chr1:53165830:53192582	53171925	s	NM_002979	11	CDS	6342	SCP2	sterol carrier protein 2
Hs.477166.1.21	chr3:115701888:115590643	115620590	s	NM_015642	6	5UTR	26137	ZBTB20	zinc finger and BTB domain containing 20
Hs.477375.1.23	chr3:124850507:124842026	124848497	s	NM_053029	26	CDS	4638	MYLK	myosin, light polypeptide kinase
Hs.478048.1.8	chr3:158121186:158127919	158125747	s	NM_001004316	4	5UTR	389170	FLJ16641	FLJ16641 protein
Hs.478095.1.20	chr3:161501372:161486359	161499588	s	NM_020800	12	CDS	57560	WDR56	WD repeat domain 56
Hs.478125.1.29	chr1:62168058:62195548	62169467	s	NM_005799	28	CDS	10207	INADL	InaD-like (Drosophila)
Hs.478230.1.9	chr3:172812770:172805909	172811958	s	NM_002662	24	CDS	5337	PLD1	phospholipase D1, phosphatidylcholine-specific
Hs.478459.1.28	chr3:184991471:184998412	184993973	s	NM_018023	21	CDS	55689	YEATS2	YEATS domain containing 2

Hs.478553.1.27	chr3:187988374:187989615	187988918	s	NM_001967	10	CDS	1974	EIF4A2	eukaryotic translation initiation factor 4A, isoform 2
Hs.479116.1.3	chr4:8325165:8329545	8325921	s	NM_018986	2	CDS	54436	SH3TC1	SH3 domain and tetrapeptide repeats 1
Hs.479491.1.4	chr1:68315483:68276458	68303062	s	NM_001002292	11	CDS	79971	C1orf139	chromosome 1 open reading frame 139
Hs.479602.1.24	chr4:40733308:40673523	40711901	s	NM_173075	11	CDS	323	APBB2	amyloid beta (A4) precursor protein-binding, family B, member 2 (Fe65-like)
Hs.479612.1.7	chr4:40604247:40617209	40605163	s	NM_024677	4	CDS	79730	FLJ14001	hypothetical protein FLJ14001
Hs.479954.1.12	chr4:75390841:75405257	75393005	s	BC037529	2	5UTR	441024	MTHFD2L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2-like
Hs.480188.1.5	chr1:75389173:75381540	75384301	s	AK093170	23	CDS	204962	MGC34032	hypothetical protein MGC34032
Hs.480311.1.10	chr4:95802205:95851679	95828306	s	NM_001011513	3	CDS	10611	PDLIM5	PDZ and LIM domain 5
Hs.480311.1.31	chr4:95864774:95896332	95866548	s	NM_001011513	7	CDS	10611	PDLIM5	PDZ and LIM domain 5
Hs.480311.1.5	chr4:95733714:95802052	95735513	s	NM_001011513	2	CDS	10611	PDLIM5	PDZ and LIM domain 5
Hs.480452.1.33	chr4:106735441:106703084	106732372	s	NM_176866	2	CDS	27068	PPA2	inorganic pyrophosphatase 2
Hs.480694.1.8	chr4:125988759:125957666	125986418	s	NM_020337	1	CDS	57182	KIAA1223	KIAA1223 protein
Hs.480837.1.38	chr4:143707930:143684083	143705242	s	NM_003866	2	CDS	8821	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa
Hs.480876.1.11	chr4:146343328:146274361	146332436	s	NM_014885	5	CDS	10393	ANAPC10	anaphase promoting complex subunit 10
Hs.480938.1.54	chr4:152122856:152110734	152119297	s	NM_006726	28	CDS	987	LRBA	LPS-responsive vesicle trafficking, beach and anchor containing
Hs.481551.1.20	chr5:7946027:7948846	7946763	s	NM_002454	11	CDS	4552	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase
Hs.481720.1.72	chr5:16834813:16833851	16834795	s	NM_012334	6	CDS	4651	MYO10	myosin X
Hs.481720.1.76	chr5:16871117:16847943	16867628	s	NM_012334	3	CDS	4651	MYO10	myosin X
Hs.481927.1.19	chr5:37031664:37036231	37032863	s	NM_015384	11	CDS	25836	NIPBL	Nipped-B homolog (Drosophila)
Hs.481927.1.37	chr5:37074598:37080205	37076539	s	NM_015384	34	CDS	25836	NIPBL	Nipped-B homolog (Drosophila)
Hs.481936.1.12	chr5:37161102:37158348	37160730	s	NM_023073	32	CDS	65250	FLJ13231	hypothetical protein FLJ13231
Hs.481936.1.13	chr5:37174578:37158348	37161190	s	AK096581	8	CDS	65250	FLJ13231	hypothetical protein FLJ13231
Hs.481980.1.32	chr5:39424163:39419131	39421031	s	NM_001343	9	CDS	1601	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)
Hs.482329.1.4	chr5:66248603:66318027	66262545	s	NM_198828	5	CDS	375449	LOC375449	similar to microtubule associated testis specific serine/threonine protein kinase
Hs.483104.1.12	chr5:112412688:112407227	112412159	s	NM_002387	14	CDS	4163	MCC	mutated in colorectal cancers
Hs.483200.1.1	chr5:122209288:122300327	122210828	s	NM_014035	1	CDS	28966	SNX24	sorting nexin 24
Hs.483239.1.24	chr5:125931849:125924716	125928034	s	NM_001182	9	CDS	501	ALDH7A1	aldehyde dehydrogenase 7 family, member A1
Hs.483329.2.14	chr5:130803172:130797251	130799456	s	NM_016340	24	CDS	51735	RAPGEF6	Rap guanine nucleotide exchange factor (GEF) 6
Hs.483390.1.15	chr5:132676244:132613168	132676008	s	NM_015082	6	CDS	23105	FSTL4	folistatin-like 4
Hs.484844.1.4	chr6:20656916:20757502	20667882	s	NM_017774	4	CDS	54901	CDKAL1	CDK5 regulatory subunit associated protein 1-like 1
Hs.484918.1.35	chr6:25245826:25223308	25235049	s	D86324	1	5UTR	8418	CMAH	cytidine monophosphate-N-acetylneuraminic acid hydroxylase (CMP-N-acetylneuraminic acid monooxygenase)
Hs.485130.1.15	chr6:33161645:33204819	33162529	s	M57466	3	CDS	3115	HLA-DPB1	major histocompatibility complex, class II, DP beta 1
Hs.485489.1.16	chr6:45989942:45978971	45987338	s	NM_016929	6	CDS	53405	CLIC5	chloride intracellular channel 5
Hs.485528.1.5	chr6:49630830:49637375	49636606	s	NM_153344	4	3UTR	135398	C6orf141	chromosome 6 open reading frame 141
Hs.485588.1.14	chr6:54174991:54230064	54190841	s	BC009010	5	CDS	90523	C6orf142	chromosome 6 open reading frame 142
Hs.485606.1.23	chr1:111380890:111379546	111380042	s	NM_178454	4	CDS	128338	MGC54289	hypothetical protein MGC54289
Hs.485640.1.22	chr6:57506277:57575038	57561373	s	NM_000947	10	CDS	5558	PRIM2A	primase, polypeptide 2A, 58kDa
Hs.485717.1.8	chr6:71539850:71565080	71558193	s	NM_021940	4	CDS	60682	SMAP1	stromal membrane-associated protein 1
Hs.485865.1.23	chr6:84960045:84953061	84958943	s	NM_014895	10	CDS	22832	C6orf84	chromosome 6 open reading frame 84
Hs.485892.1.4	chr6:87922197:87982339	87936801	s	AK123473	1	CDS	23036	ZNF292	zinc finger protein 292
Hs.486095.1.13	chr6:107701925:107673517	107692083	s	NM_020381	3	CDS	57107	C6orf210	chromosome 6 open reading frame 210

Hs.486109.1.8	chr6:108148599:108135909	108146851	s	AK093571	5	CDS	256380	SCML4	sex comb on midleg-like 4 (Drosophila)
Hs.487062.1.74	chr6:160481547:160487881	160482196	s	NM_000876	44	CDS	3482	IGF2R	insulin-like growth factor 2 receptor
Hs.487200.1.20	chr6:168882424:168884732	168883536	s	NM_022138	12	CDS	64094	SMOC2	SPARC related modular calcium binding 2
Hs.487294.1.20	chr19:50556621:50552798	50553857	s	NM_000400	12	CDS	2068	ERCC2	excision repair cross-complementing rodent repair deficiency, complementation group 2 (xeroderma pigmentosum D)
Hs.487325.1.16	chr1:84380510:84391856	84383001	s	NM_002731	8	CDS	5567	PRKACB	protein kinase, cAMP-dependent, catalytic, beta
Hs.487325.1.17	chr1:84380510:84391856	84383143	s	NM_002731	8	CDS	5567	PRKACB	protein kinase, cAMP-dependent, catalytic, beta
Hs.487458.1.41	chr7:5565717:5554517	5554621	s	NM_207116	3	CDS	54476	TRIAD3	TRIAD3 protein
Hs.487536.1.24	chr4_random:536885:482585	489208	s	AK092792	2	CDS	441057	FLJ44253	hypothetical gene supported by AK096952; AK126241; BC068588
Hs.487562.1.32	chr4_random:313034:255920	262910	s	BC073934	2	CDS	285458	LOC285458	hypothetical protein LOC285458
Hs.487925.1.75	chr1:142435668:142412866	142431224	s	NM_001002812	5	CDS	9659	PDE4DIP	phosphodiesterase 4D interacting protein (myomegalin)
Hs.487925.1.93	chr1:142504903:142483746	142502874	s	NM_022359	3	CDS	9659	PDE4DIP	phosphodiesterase 4D interacting protein (myomegalin)
Hs.488189.1.19	chr7:44648367:44643003	44647148	s	NM_138635	4	CDS	94239	H2AFV	H2A histone family, member V
Hs.489603.1.25	chr7:105023000:104899687	104994772	s	AK097574	3	UTR	222255	ATXN7L4	ataxin 7-like 4
Hs.489603.1.27	chr7:105023000:104899687	104995347	s	AK097574	3	UTR	222255	ATXN7L4	ataxin 7-like 4
Hs.489603.1.35	chr7:105110208:105023106	105109490	s	NM_152749	2	CDS	222255	ATXN7L4	ataxin 7-like 4
Hs.489646.1.43	chr7:107185621:107174755	107176832	s	NM_002291	24	CDS	3912	LAMB1	laminin, beta 1
Hs.489811.1.15	chr7:120189630:120200630	120190983	s	NM_198266	4	CDS	54556	ING3	inhibitor of growth family, member 3
Hs.489849.1.6	chr7:122381163:122368535	122371037	s	NM_022444	7	CDS	6561	SLC13A1	solute carrier family 13 (sodium/sulfate symporters), member 1
Hs.490224.1.12	chr7:134535924:134505194	134530017	s	NM_013316	10	CDS	4850	CNOT4	CCR4-NOT transcription complex, subunit 4
Hs.490224.1.16	chr7:134535924:134505194	134530669	s	NM_013316	10	CDS	4850	CNOT4	CCR4-NOT transcription complex, subunit 4
Hs.490555.1.23	chr7:150171385:150175002	150172289	s	NM_007188	9	CDS	11194	ABCB8	ATP-binding cassette, sub-family B (MDR/TAP), member 8
Hs.490684.1.1	chr7:153701650:153867178	153817989	s	NM_001936	5	CDS	1804	DPP6	dipeptidylpeptidase 6
Hs.490715.1.16	chr7:155950741:155967865	155952520	s	NM_030936	7	CDS	140545	RNF32	ring finger protein 32
Hs.490874.1.17	chr1:151995432:152016183	151996687	s	NM_002455	5	CDS	4580	MTX1	metaxin 1
Hs.490981.1.9	chr8:10214910:10323067	10232743	s	NM_012331	5	CDS	4482	MSRA	methionine sulfoxide reductase A
Hs.491351.1.72	chr17:55117952:55122778	55119290	s	NM_004859	30	CDS	1213	CLTC	clathrin, heavy polypeptide (Hc)
Hs.49143.1.10	chr16:14241843:14246885	14242826	s	NM_014048	10	CDS	57496	MKL2	MKL/myocardin-like 2
Hs.491558.1.9	chr8:41640333:41632430	41637664	s	NM_020480	2	CDS	286	ANK1	ankyrin 1, erythrocytic
Hs.492716.1.12	chr8:124182429:124186708	124185622	s	NM_145647	7	CDS	93594	WDR67	WD repeat domain 67
Hs.493218.1.16	chr8:146033697:146042167	146039406	s	AK096025	4	CDS	7553	ZNF7	zinc finger protein 7 (KOX 4, clone HF.16)
Hs.494146.1.18	chr9:71545111:71542675	71543662	s	NM_013390	19	CDS	23670	TMEM2	transmembrane protein 2
Hs.49421.1.11	chr1:67039850:67025383	67025628	s	NM_024763	7	CDS	79819	WDR78	WD repeat domain 78
Hs.494312.1.29	chr9:84596555:84711171	84655349	s	NM_001018064	14	CDS	4915	NTRK2	neurotrophic tyrosine kinase, receptor, type 2
Hs.494312.1.30	chr9:84596555:84711171	84655479	s	NM_001018064	14	CDS	4915	NTRK2	neurotrophic tyrosine kinase, receptor, type 2
Hs.494529.1.8	chr9:94953299:94949107	94952342	s	NM_000136	13	CDS	2176	FANCC	Fanconi anemia, complementation group C
Hs.494875.1.13	chr9:113378753:113425283	113383925	s	NM_130795	10	CDS	5998	RGS3	regulator of G-protein signalling 3
Hs.494892.1.4	chr9:114052861:114061624	114060413	s	NM_032888	12	CDS	85301	COL27A1	collagen, type XXVII, alpha 1
Hs.495138.1.19	chr9:125384891:125348251	125363301	s	NM_001006617	7	CDS	79109	MAPKAP1	mitogen-activated protein kinase associated protein 1
Hs.495391.1.19	chr1:171094941:171338169	171249356	s	NM_014857	13	CDS	9910	RABGAP1L	RAB GTPase activating protein 1-like
Hs.495410.1.17	chr9:132563611:132557434	132563028	s	NM_022779	6	CDS	64794	DDX31	DEAD (Asp-Glu-Ala-Asp) box polypeptide 31
Hs.495419.1.14	chr9:133066407:133061007	133065989	s	NM_021996	3	CDS	26301	GBGT1	globoside alpha-1,3-N-acetylgalactosaminyltransferase 1
Hs.495511.1.28	chr9:137952687:137961136	137954679	s	NM_024757	14	CDS	79813	EHMT1	euchromatic histone-lysine N-methyltransferase 1

Hs.495553.1.11	chr9:137536781:137526658	137536434	s	NM_017820	7	CDS	54932	FLJ20433	hypothetical protein FLJ20433
Hs.495553.1.20	chr9:137565591:137553667	137562094	s	NM_017820	2	CDS	54932	FLJ20433	hypothetical protein FLJ20433
Hs.495656.1.2	chrX:9418137:9431990	9423171	s	BC032708	4	5UTR	6907	TBL1X	transducin (beta)-like 1X-linked
Hs.495710.1.10	chrX:13554013:13550807	13551730	s	NM_001001995	7	CDS	2824	GPM6B	glycoprotein M6B
Hs.495912.1.41	chrX:32120907:32120057	32120405	s	NM_000109	40	CDS	1756	DMD	dystrophin (muscular dystrophy, Duchenne and Becker types)
Hs.496530.1.7	chrX:103025341:103037445	103026698	s	NM_194324	2	CDS	286527	MGC39900	hypothetical protein MGC39900
Hs.497183.1.41	chr1:182009588:182008452	182008469	s	NM_016389	5	CDS	10625	IVNS1ABP	influenza virus NS1A binding protein
Hs.497332.1.2	chr1:197349223:197325833	197341592	s	NM_031306	7	CDS	83479	DDX59	DEAD (Asp-Glu-Ala-Asp) box polypeptide 59
Hs.497384.1.4	chr1:198549380:198552888	198551601	s	NM_018085	4	CDS	55705	IPO9	importin 9
Hs.498292.1.10	chr1:240001666:239989130	239993234	s	NM_181690	12	CDS	10000	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)
Hs.498494.1.23	chr15:99723923:99705506	99722602	s	NM_138323	13	CDS	5046	PCSK6	proprotein convertase subtilisin/kexin type 6
Hs.49853.1.37	chr10:70202863:70215898	70204887	s	NM_018237	19	CDS	55749	CCAR1	cell division cycle and apoptosis regulator 1
Hs.498586.1.18	chr10:7655110:7651754	7653686	s	NM_030569	11	CDS	80760	ITIH5	inter-alpha (globulin) inhibitor H5
Hs.498661.1.25	chr10:11679635:11609573	11646132	s	BC042943	2	CDS	9712	USP6NL	USP6 N-terminal like
Hs.498740.1.10	chr10:13529271:13523757	13527378	s	BC031618	7	CDS	222389	C10orf30	chromosome 10 open reading frame 30
Hs.498740.1.5	chr10:13529271:13521504	13523361	s	NM_152751	8	CDS	222389	C10orf30	chromosome 10 open reading frame 30
Hs.499209.1.51	chr10:29841669:29828199	29836970	s	NM_003174	15	CDS	6840	SVIL	supervillin
Hs.499209.1.76	chr10:30015487:29987004	30013187	s	NM_003174	2	5UTR	6840	SVIL	supervillin
Hs.499705.1.15	chr10:60698318:60684210	60693648	s	NM_001001971	8	CDS	220965	FAM13C1	family with sequence similarity 13, member C1
Hs.499705.1.16	chr10:60698318:60684210	60693686	s	NM_001001971	8	CDS	220965	FAM13C1	family with sequence similarity 13, member C1
Hs.499984.1.1	chr10:72246643:72274235	72250246	s	NM_003901	2	CDS	8879	SGPL1	sphingosine-1-phosphate lyase 1
Hs.500245.1.26	chr10:79246314:79242142	79245790	s	NM_004747	19	CDS	9231	DLG5	discs, large homolog 5 (Drosophila)
Hs.500340.1.25	chr15:62524361:62534248	62530238	s	NM_016213	12	CDS	9325	TRIP4	thyroid hormone receptor interactor 4
Hs.500512.1.10	chr10:92972721:92990220	92977683	s	NM_032373	2	CDS	84333	PCGF5	polycomb group ring finger 5
Hs.500741.1.8	chr10:99629995:99615462	99628142	s	NM_018058	14	CDS	55118	CRTAC1	cartilage acidic protein 1
Hs.501140.1.32	chr10:118728756:118718214	118723873	s	NM_018330	2	CDS	57698	KIAA1598	KIAA1598
Hs.50123.1.3	chr9:101241848:101249765	101246758	s	NM_003452	2	CDS	7743	ZNF189	zinc finger protein 189
Hs.50158.1.9	chr19:20620329:20600297	20619830	s	CR749233	3	CDS	199777	ZNF626	zinc finger protein 626
Hs.502.1.6	chr6:32905154:32898074	32904244	s	NM_018833	11	CDS	6891	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
Hs.502145.1.15	chr11:21349071:21538310	21482318	s	BC096100	15	CDS	4745	NELL1	NEL-like 1 (chicken)
Hs.502328.1.28	chr11:35182764:35184234	35184170	s	NM_000610	10	CDS	960	CD44	CD44 antigen (homing function and Indian blood group system)
Hs.502618.1.2	chr11:56992140:57000210	56992933	s	NM_178570	1	CDS	349667	RTN4RL2	reticulin 4 receptor-like 2
Hs.502814.1.14	chr11:63539299:63524392	63533061	s	NM_014067	4	CDS	28992	LRP16	LRP16 protein
Hs.503022.1.60	chr11:68134068:68138675	68138636	s	AF264780	21	CDS	55291	C11orf23	chromosome 11 open reading frame 23
Hs.503178.1.97	chr2:54798788:54803240	54800049	s	NM_003128	31	CDS	6711	SPTBN1	spectrin, beta, non-erythrocytic 1
Hs.503297.1.34	chr11:74878929:74868182	74873998	s	BC018771	2	5UTR	81544	GDPD5	glycerophosphodiester phosphodiesterase domain containing 5
Hs.503438.1.4	chr11:82600121:82613544	82603890	s	NM_182603	5	CDS	338699	ANKRD42	ankyrin repeat domain 42
Hs.503776.1.9	chr2:135582838:135575128	135579472	s	NM_001018046	6	CDS	80122	YSK4	Yeast Sps1/Ste20-related kinase 4 (S. cerevisiae)
Hs.505033.1.19	chr12:25289474:25271614	25278035	s	NM_004985	2	CDS	3845	KRAS	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
Hs.505802.1.12	chr22:41312458:41308077	41311700	s	NM_032311	7	CDS	84271	POLDIP3	polymerase (DNA-directed), delta interacting protein 3
Hs.505924.1.3	chr12:64518617:64631429	64537567	s	NM_003483	3	CDS	8091	HMGA2	high mobility group AT-hook 2
Hs.505924.1.5	chr12:64561938:64631429	64595574	s	NM_001015886	4	3UTR	8091	HMGA2	high mobility group AT-hook 2
Hs.506382.1.6	chr3:3145873:3153943	3147376	s	NM_016000	1	CDS	51095	TRNT1	tRNA nucleotidyl transferase, CCA-adding, 1
Hs.50678.1.12	chr6:100042796:100030828	100036859	s	AL713747	5	CDS	85015	USP45	ubiquitin specific protease 45
Hs.50678.1.8	chr6:100019200:100001061	100017195	s	AL832030	6	CDS	85015	USP45	ubiquitin specific protease 45
Hs.507025.1.3	chr3:170975052:170979373	170979328	s	AF155508	2	CDS	55892	MYNN	myoneurin

Hs.507125.1.21	chr12:120868796:120875869	120870592	s	NM_144668	18	CDS	144406	WDR66	WD repeat domain 66
Hs.507125.1.22	chr12:120868796:120875869	120872374	s	NM_144668	18	CDS	144406	WDR66	WD repeat domain 66
Hs.507185.1.7	chr16:87108430:87120722	87110538	s	NM_153813	4	CDS	161882	ZFPM1	zinc finger protein, multitype 1
Hs.50749.1.9	chr7:99145491:99135021	99143433	s	NM_033017	6	CDS	89122	TRIM4	tripartite motif-containing 4
Hs.507621.1.26	chr13:27857021:27829823	27849569	s	NM_002019	14	CDS	2321	FLT1	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
Hs.507681.1.31	chr22:38148689:38156994	38152381	s	NM_153497	10	CDS	10454	MAP3K7IP1	mitogen-activated protein kinase kinase kinase 7 interacting protein 1
Hs.507805.1.29	chr13:39199686:39260471	39223640	s	AB032960	18	CDS	57511	COG6	component of oligomeric golgi complex 6
Hs.507805.1.31	chr13:39199686:39260471	39224635	s	AB032960	18	CDS	57511	COG6	component of oligomeric golgi complex 6
Hs.507945.1.4	chr13:44871074:44869474	44870022	s	NM_001010875	8	CDS	253512	SLC25A30	solute carrier family 25, member 30
Hs.508021.1.13	chr13:49021594:49017001	49018631	s	NM_018191	9	CDS	55213	RCBTB1	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 1
Hs.50823.1.3	chr5:325888:357291	330055	s	NM_013232	2	CDS	10016	PDCD6	programmed cell death 6
Hs.508423.1.21	chr13:94566176:94533546	94546199	s	NM_005845	20	CDS	10257	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4
Hs.508514.1.13	chr13:97907422:97903465	97906237	s	NM_003576	10	CDS	8428	STK24	serine/threonine kinase 24 (STE20 homolog, yeast)
Hs.508725.1.20	chr13:110113798:110101449	110103437	s	NM_024537	9	CDS	79587	FLJ12118	hypothetical protein FLJ12118
Hs.508725.1.21	chr13:110113798:110101449	110113192	s	NM_024537	9	CDS	79587	FLJ12118	hypothetical protein FLJ12118
Hs.508725.1.6	chr13:110094732:110092870	110094101	s	NM_024537	13	CDS	79587	FLJ12118	hypothetical protein FLJ12118
Hs.509113.1.3	chr14:33099168:33215167	33151544	s	NM_022123	4	CDS	64067	NPAS3	neuronal PAS domain protein 3
Hs.509113.1.4	chr14:33215343:33274170	33219999	s	NM_022123	5	CDS	64067	NPAS3	neuronal PAS domain protein 3
Hs.509200.1.41	chr14:38887933:38925839	38890148	s	AF338234	23	CDS	4253	CTAGE5	CTAGE family, member 5
Hs.509414.1.53	chr14:55198084:55203711	55199667	s	L25616	31	CDS	3895	KTN1	kinectin 1 (kinesin receptor)
Hs.509780.1.23	chr14:68628143:68611882	68625674	s	NM_003861	6	CDS	8816	WDR22	WD repeat domain 22
Hs.509909.1.19	chr14:72818819:72815886	72817880	s	NM_001005743	11	CDS	8650	NUMB	numb homolog (Drosophila)
Hs.510368.1.11	chr14:95207578:95226825	95209542	s	AB035341	5	3UTR	27004	TCL6	T-cell leukemia/lymphoma 6
Hs.510368.1.12	chr14:95207578:95226825	95213223	s	AB035341	5	3UTR	27004	TCL6	T-cell leukemia/lymphoma 6
Hs.510368.1.13	chr14:95207578:95226825	95214185	s	AB035341	5	3UTR	27004	TCL6	T-cell leukemia/lymphoma 6
Hs.510373.1.17	chr14:96023147:96024394	96024365	s	NM_152327	17	CDS	122481	AK7	adenylate kinase 7
Hs.510407.1.24	chr14:98949040:98942681	98945905	s	NM_032233	8	CDS	84193	C14orf154	chromosome 14 open reading frame 154
Hs.510989.1.24	chr15:35163263:35116453	35145796	s	NM_002399	7	CDS	4212	MEIS2	Meis1, myeloid ecotropic viral integration site 1 homolog 2 (mouse)
Hs.511010.1.8	chr15:36578286:36570182	36573918	s	AY858556	14	CDS	10125	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG-regulated)
Hs.511138.1.31	chr15:40340447:40323658	40337433	s	NM_015497	6	CDS	25963	DKFZP564G2022	DKFZP564G2022 protein
Hs.511603.1.7	chr7:150137041:150141162	150138671	s	NM_000603	14	CDS	4846	NOS3	nitric oxide synthase 3 (endothelial cell)
Hs.512603.1.17	chr6:24461775:24410252	24461439	s	NM_016356	2	CDS	51473	DCDC2	doublecortin domain containing 2
Hs.512606.1.15	chr2:238772851:238773888	238773887	s	NM_016510	6	CDS	51540	SCLY	selenocysteine lyase
Hs.512690.1.9	chr2:85800234:85797637	85797645	s	NM_198843	10	3UTR	6439	SFTPB	surfactant, pulmonary-associated protein B
Hs.512714.1.11	chr22:44647514:44639753	44643899	s	NM_058238	2	CDS	7477	WNT7B	wingless-type MMTV integration site family, member 7B
Hs.512743.1.21	chr4:101203094:101201521	101202023	s	NM_024920	1	CDS	79982	DNAJB14	DnaJ (Hsp40) homolog, subfamily B, member 14
Hs.512932.1.58	chr15:56996425:56992102	56993108	s	NM_017968	3	CDS	79811	FLJ13213	modulator of estrogen induced transcription
Hs.513100.1.6	chr15:82948569:82964836	82951120	s	NM_181877	2	CDS	54993	ZSCAN2	zinc finger and SCAN domain containing 2
Hs.513100.1.7	chr15:82948569:82964836	82960845	s	NM_181877	2	CDS	54993	ZSCAN2	zinc finger and SCAN domain containing 2
Hs.513102.1.13	chr15:82982713:82985389	82984989	s	NM_033634	4	3UTR	54581	SCAND2	SCAN domain containing 2
Hs.513262.1.11	chr1:74548098:74613784	74553553	s	NM_015978	17	CDS	51086	TNNI3K	TNNI3 interacting kinase
Hs.513262.1.13	chr1:74548098:74613784	74596063	s	NM_015978	17	CDS	51086	TNNI3K	TNNI3 interacting kinase
Hs.513578.1.27	chr16:48901059:48902098	48901934	s	NM_001114	17	CDS	113	ADCY7	adenylate cyclase 7
Hs.513734.1.10	chr15:49862318:49877685	49864469	s	NM_014548	7	CDS	29767	TMOD2	tropomodulin 2 (neuronal)

Hs.513807.1.26	chr16:87313482:87311525	87311624	s	BC008073	2	5UTR	9780	FAM38A	family with sequence similarity 38, member A
Hs.514276.1.16	chr17:43349496:43355326	43351230	s	NM_003110	2	CDS	6668	SP2	Sp2 transcription factor
Hs.514480.1.33	chr17:71158860:71139344	71158043	s	NM_004259	8	CDS	9400	RECQL5	RecQ protein-like 5
Hs.514662.1.3	chr1:109078033:109071842	109077724	s	AK095517	12	CDS	254268	C1orf62	chromosome 1 open reading frame 62
Hs.514802.1.11	chr18:31173790:31171733	31172848	s	NM_006965	3	CDS	7572	ZNF24	zinc finger protein 24 (KOX 17)
Hs.514819.1.36	chr17:31008924:31022885	31011243	s	NM_001282	14	CDS	163	AP2B1	adaptor-related protein complex 2, beta 1 subunit
Hs.515009.1.7	chr17:59940939:59943302	59942663	s	NM_138363	4	CDS	90799	LOC90799	hypothetical protein BC009518
Hs.515215.1.15	chr19:14689546:14702986	14691547	s	BC048107	11	CDS	84449	ZNF333	zinc finger protein 333
Hs.515215.1.16	chr19:14689546:14702986	14692765	s	BC048107	11	CDS	84449	ZNF333	zinc finger protein 333
Hs.515215.1.17	chr19:14689546:14702986	14693707	s	BC048107	11	CDS	84449	ZNF333	zinc finger protein 333
Hs.515271.1.11	chr19:18966174:18963363	18965352	s	AL832488	11	CDS	10147	SFRS14	splicing factor, arginine/serine-rich 14
Hs.515634.1.2	chr19:62397182:62408576	62398036	s	NM_003417	2	CDS	9422	ZNF264	zinc finger protein 264
Hs.515634.1.3	chr19:62397182:62408576	62398124	s	NM_003417	2	CDS	9422	ZNF264	zinc finger protein 264
Hs.515951.1.28	chr2:232797:224273	229556	s	NM_015677	6	CDS	26751	SH3YL1	SH3 domain containing, Ysc84-like 1 (S. cerevisiae)
Hs.515985.1.13	chr2:48618807:48625420	48623031	s	NM_152994	13	CDS	129285	LOC129285	smooth muscle myosin heavy chain 11 isoform SM1-like
Hs.516182.1.52	chr2:55754237:55742864	55753339	s	NM_020463	2	CDS	57223	KIAA1387	KIAA1387 protein
Hs.516341.1.14	chr2:96689253:96683243	96687216	s	NM_017991	20	CDS	55683	FLJ10081	hypothetical protein FLJ10081
Hs.516341.1.29	chr2:96691860:96690474	96691327	s	NM_017991	17	CDS	55683	FLJ10081	hypothetical protein FLJ10081
Hs.516578.1.12	chr2:188174356:188158166	188168818	s	NM_006287	6	CDS	7035	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)
Hs.516697.1.4	chr2:218961778:219030010	218963171	s	NM_015488	2	CDS	25953	MR-1	myofibrillogenesis regulator 1
Hs.516846.1.9	chr20:2421344:2413303	2420487	s	NM_024325	5	CDS	79175	ZNF343	zinc finger protein 343
Hs.516977.1.15	chr20:30526064:30507860	30516248	s	NM_080616	1	CDS	140688	C20orf112	chromosome 20 open reading frame 112
Hs.517134.1.8	chr20:54492653:54521777	54512950	s	NM_016407	5	CDS	51507	C20orf43	chromosome 20 open reading frame 43
Hs.517717.1.26	chr3:18431606:18413787	18427296	s	NM_002971	5	CDS	6304	SATB1	special AT-rich sequence binding protein 1 (binds to nuclear matrix/scaffold-associating DNA's)
Hs.517898.1.6	chr3:38637337:38630330	38630523	s	NM_000335	5	CDS	6331	SCN5A	sodium channel, voltage-gated, type V, alpha (long QT syndrome 3)
Hs.517948.1.3	chr3:47827206:47834515	47832676	s	NM_014966	3	5UTR	22907	DHX30	DEAH (Asp-Glu-Ala-His) box polypeptide 30
Hs.517948.1.6	chr3:47827206:47834515	47833466	s	NM_014966	3	5UTR	22907	DHX30	DEAH (Asp-Glu-Ala-His) box polypeptide 30
Hs.518203.1.22	chr3:123921926:123929348	123922505	s	NM_017554	10	CDS	54625	PARP14	poly (ADP-ribose) polymerase family, member 14
Hs.518265.1.10	chr3:134788265:134789437	134788875	s	NM_017548	4	CDS	55573	H41	hypothetical protein H41
Hs.51891.1.47	chr10:69502645:69474327	69498768	s	NM_015601	3	CDS	26091	HERC4	hect domain and RLD 4
Hs.519294.1.76	chr5:127810072:127772392	127805590	s	NM_001999	7	CDS	2201	FBN2	fibrillin 2 (congenital contractural arachnodactyly)
Hs.519313.1.36	chr5:132267958:132266079	132267452	s	NM_014423	6	CDS	27125	AFF4	AF4/FMR2 family, member 4
Hs.519337.1.49	chr5:137532809:137531667	137531950	s	NM_139199	8	CDS	10902	BRD8	bromodomain containing 8
Hs.519514.1.24	chr5:114543570:114527349	114543698	s	NM_018700	1	CDS	55521	TRIM36	tripartite motif-containing 36
Hs.519602.1.12	chr5:137492066:137482525	137491030	s	NM_003551	4	CDS	8382	NME5	non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase)
Hs.519672.1.41	chr5:149739489:149747657	149744005	s	NM_000356	16	CDS	6949	TCOF1	Treacher Collins-Franceschetti syndrome 1
Hs.519794.1.8	chr6:62500545:62465118	62468123	s	NM_152688	7	CDS	202559	KHDRBS2	KH domain containing, RNA binding, signal transduction associated 2
Hs.519880.1.13	chr6:10510710:10508809	10508933	s	NM_003220	5	CDS	7020	TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)
Hs.519972.1.14	chr6:29801800:29802638	29802273	s	BC009260	6	CDS	3134	HLA-F	major histocompatibility complex, class I, F
Hs.520189.1.25	chr6:53268398:53264721	53266859	s	NM_021814	2	CDS	60481	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)

Hs.520334.1.12	chr7:43694497:43692100	43693970	s	NM_017920	4	CDS	55665	URG4	up-regulated gene 4
Hs.520708.1.20	chr7:24520985:24519236	24520138	s	NM_004403	7	CDS	1687	DFNA5	deafness, autosomal dominant 5
Hs.520757.1.2	chr7:138940410:139025217	138950469	s	BC014117	3	5UTR	6916	TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)
Hs.520757.1.8	chr7:139064305:139089173	139066636	s	NM_001061	4	CDS	6916	TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)
Hs.520814.1.28	chr7:47224564:47218397	47224053	s	BC071791	13	CDS	64759	TNS3	tensin 3
Hs.520819.1.6	chr7:154528056:154532106	154530979	s	NM_198337	2	CDS	3638	INSIG1	insulin induced gene 1
Hs.520955.1.19	chr7:73916286:73914833	73915271	s	NM_030798	8	CDS	81554	WBSCR16	Williams-Beuren syndrome chromosome region 16
Hs.521064.1.12	chr7:98802970:98814518	98806547	s	NM_001009960	2	CDS	79027	ZNF655	zinc finger protein 655
Hs.521087.1.25	chr7:100105101:100107991	100107808	s	NM_020246	13	CDS	56996	SLC12A9	solute carrier family 12 (potassium/chloride transporters), member 9
Hs.521869.1.15	chrX:8346008:8331876	8343583	s	NM_000216	8	CDS	3730	KAL1	Kallmann syndrome 1 sequence
Hs.523329.1.12	chr1:22954283:22964682	22963065	s	NM_004442	6	CDS	2048	EPHB2	EPH receptor B2
Hs.523360.1.19	chr10:134413340:134429266	134417466	s	NM_005539	11	CDS	3632	INPP5A	inositol polyphosphate-5-phosphatase, 40kDa
Hs.523442.1.18	chr1:24525301:24527933	24526620	s	NM_020448	7	CDS	57185	NPAL3	NIPA-like domain containing 3
Hs.523442.1.28	chr1:24535917:24540781	24538134	s	NM_020448	11	CDS	57185	NPAL3	NIPA-like domain containing 3
Hs.523446.1.33	chr1:103179501:103175941	103178591	s	NM_001854	24	CDS	1301	COL11A1	collagen, type XI, alpha 1
Hs.523772.1.17	chr1:175795010:175798619	175796252	s	AJ299441	5	CDS	64222	TOR3A	torsin family 3, member A
Hs.523873.1.68	chr1:71458535:71451381	71453893	s	Z11584	2	5UTR	4926	NUMA1	nuclear mitotic apparatus protein 1
Hs.524195.1.41	chr10:24958930:24951698	24958459	s	NM_020824	7	CDS	57584	ARHGAP21	Rho GTPase activating protein 21
Hs.524271.1.23	chr1:33489094:33468987	33487907	s	NM_198040	8	CDS	1912	PHC2	polyhomeotic-like 2 (Drosophila)
Hs.524513.1.2	chr12:55443466:55453884	55446324	s	NM_003725	1	5UTR	8630	HSD17B6	hydroxysteroid (17-beta) dehydrogenase 6
Hs.524517.1.43	chr1:36614126:36610368	36611698	s	NM_000760	3	CDS	1441	CSF3R	colony stimulating factor 3 receptor (granulocyte)
Hs.524800.1.32	chr12:120421507:120413926	120416912	s	NM_001005366	9	CDS	84678	FBXL10	F-box and leucine-rich repeat protein 10
Hs.524809.1.34	chr12:121362152:121356907	121360455	s	NM_002956	8	CDS	6249	RSN	restin (Reed-Steinberg cell-expressed intermediate filament-associated protein)
Hs.524874.1.20	chr12:131921320:131917207	131920865	s	BC043157	10	CDS	23141	KIAA0692	KIAA0692 protein
Hs.525091.1.12	chr1:45556489:45520726	45533498	s	AK027573	3	CDS	10420	TESK2	testis-specific kinase 2
Hs.525135.1.7	chr13:97663669:97794016	97695559	s	NM_005766	2	CDS	10160	FARP1	FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived)
Hs.525146.1.21	chr13:100827051:100795773	100818893	s	NM_052867	6	CDS	259232	VGCNL1	voltage gated channel like 1
Hs.525264.1.8	chr12:7143423:7140902	7142034	s	NM_016546	5	CDS	51279	C1RL	complement component 1, r subcomponent-like
Hs.525392.1.10	chr14:63491387:63497995	63497372	s	NM_015180	8	CDS	23224	SYNE2	spectrin repeat containing, nuclear envelope 2
Hs.525549.1.19	chr14:92829956:92800093	92823727	s	NM_001002860	3	CDS	55727	BTBD7	BTB (POZ) domain containing 7
Hs.525589.1.22	chr14:100381624:100396780	100382711	s	AK127864	3	3UTR	55384	MEG3	maternally expressed 3
Hs.525700.1.6	chr15:22764323:22770550	22765061	s	NM_003097	3	5UTR	6638	SNRPN	small nuclear ribonucleoprotein polypeptide N
Hs.526464.1.36	chr15:72113925:72122382	72115788	s	NM_002675	7	CDS	5371	PML	promyelocytic leukemia
Hs.526500.1.12	chr16:21040766:21039677	21040407	s	NM_017539	10	CDS	55567	DNAH3	dynein, axonemal, heavy polypeptide 3
Hs.526552.1.4	chr17:11455823:11461452	11456876	s	NM_001372	4	CDS	1770	DNAH9	dynein, axonemal, heavy polypeptide 9
Hs.527061.1.29	chr4:3466866:3469102	3467298	s	NM_198587	14	CDS	6002	RGS12	regulator of G-protein signalling 12
Hs.527412.1.20	chr8:17969008:17966321	17968557	s	NM_004315	6	CDS	427	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1
Hs.527412.1.22	chr8:17969008:17966321	17968676	s	NM_004315	6	CDS	427	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1
Hs.527653.1.18	chr1:203901158:203921285	203902506	s	NM_000574	9	CDS	1604	DAF	decay accelerating factor for complement (CD55, Cromer blood group system)
Hs.527748.1.9	chr10:126176688:126195738	126177073	s	NM_022126	5	CDS	64077	LHPP	phospholysine phosphohistidine inorganic pyrophosphate phosphatase
Hs.527862.3.69	chr16:16345503:16389019	16385217	s	AK124516	22	3UTR	NA	NA	NA

Hs.528382.1.19	chr12:109063591:109080946	109069707	s	NM_014055	11	CDS	28981	CDV1	carnitine deficiency-associated, expressed in ventricle 1
Hs.528385.1.10	chr14:23534183:23543385	23539130	s	AY616183	3	CDS	317749	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2
Hs.528412.1.2	chr7:102611205:102587325	102608605	s	NM_206883	19	CDS	375611	PRES	prestin (motor protein)
Hs.528836.1.37	chr16:55653115:55656624	55653414	s	NM_032206	30	CDS	84166	NOD27	nucleotide-binding oligomerization domains 27
Hs.528889.1.8	chr17:17851187:17860102	17851867	s	NM_031294	12	CDS	83450	LRRC48	leucine rich repeat containing 48
Hs.529181.1.3	chr2:30865246:30857754	30860941	s	NM_144575	22	3UTR	92291	CAPN13	calpain 13
Hs.529340.1.5	chr20:5701690:5791669	5702089	s	NM_152504	2	CDS	149840	FLJ25067	hypothetical protein FLJ25067
Hs.529509.1.17	chr3:42647813:42649096	42647828	s	NM_001012651	10	3UTR	4820	NKTR	natural killer-tumor recognition sequence
Hs.529512.1.11	chr3:44584930:44599467	44588651	s	NM_025169	5	CDS	55888	ZNF167	zinc finger protein 167
Hs.529680.1.6	chr4:77657621:77649869	77653509	s	NM_178555	8	CDS	339965	FLJ25770	hypothetical protein FLJ25770
Hs.530049.1.11	chr11:5232097:5226294	5231008	s	BC020719	2	CDS	3047	HBG1	hemoglobin, gamma A
Hs.530084.1.7	chr7:99581164:99588138	99583602	s	NM_013440	3	5UTR	29990	PILRB	paired immunoglobulin-like type 2 receptor beta
Hs.530315.1.12	chr12:122532921:122508964	122526742	s	NM_178314	3	CDS	353116	FLJ39378	hypothetical protein FLJ39378
Hs.530438.1.3	chr11:30856666:30837182	30843065	s	NM_198462	28	3UTR	196296	FLJ46154	FLJ46154 protein
Hs.530727.1.14	chr11:47450318:47447020	47448494	s	NM_006560	13	3UTR	10658	CUGBP1	CUG triplet repeat, RNA binding protein 1
Hs.531642.1.8	chr16:486861:493004	487443	s	NM_014700	6	CDS	9727	RAB11FIP3	RAB11 family interacting protein 3 (class II)
Hs.531876.1.6	chr20:32577810:32586092	32582686	s	NM_014183	2	CDS	83658	DNCL2A	dynein, cytoplasmic, light polypeptide 2A
Hs.532161.1.14	chr6:109583774:109586920	109584693	s	NM_173830	7	CDS	285753	C6orf182	chromosome 6 open reading frame 182
Hs.532699.1.29	chr19:12869678:12871513	12870197	s	NM_013976	11	CDS	2639	GCDH	glutaryl-Coenzyme A dehydrogenase
Hs.532699.1.32	chr19:12869678:12871513	12871508	s	NM_013976	11	CDS	2639	GCDH	glutaryl-Coenzyme A dehydrogenase
Hs.532799.1.12	chr17:57175155:57148207	57171200	s	NM_032043	16	CDS	83990	BRIP1	BRCA1 interacting protein C-terminal helicase 1
Hs.533040.1.30	chr5:176852011:176851028	176851425	s	NM_203352	4	CDS	9260	PDLIM7	PDZ and LIM domain 7 (enigma)
Hs.533222.1.11	chr5:61723754:61722567	61723301	s	NM_014473	10	CDS	27292	HSA9761	dimethyladenosine transferase
Hs.533499.1.37	chr9:122719303:122707491	122715619	s	NM_018835	6	CDS	54542	MNAB	membrane associated DNA binding protein
Hs.534339.1.2	chr12:55411631:55411323	55411333	s	NM_000946	13	3UTR	5557	PRIM1	primase, polypeptide 1, 49kDa
Hs.534501.1.4	chr1:175222057:175226162	175222604	s	AK097518	8	CDS	84066	C1orf49	chromosome 1 open reading frame 49
Hs.534501.1.5	chr1:175222057:175226162	175223441	s	AK097518	8	CDS	84066	C1orf49	chromosome 1 open reading frame 49
Hs.534501.1.7	chr1:175222057:175226162	175224223	s	AK097518	8	CDS	84066	C1orf49	chromosome 1 open reading frame 49
Hs.534564.1.2	chr1:43539315:43549845	43541658	s	NM_001012960	4	CDS	149469	C1orf84	chromosome 1 open reading frame 84
Hs.535229.1.3	chr1:170571944:170586430	170574428	s	AK057310	3	CDS	84614	ZBTB37	zinc finger and BTB domain containing 37
Hs.5353.1.13	chr2:201886178:201898303	201890958	s	NM_001230	5	CDS	843	CASP10	caspase 10, apoptosis-related cysteine protease
Hs.5353.1.21	chr2:201899792:201919161	201910241	s	NM_032974	9	CDS	843	CASP10	caspase 10, apoptosis-related cysteine protease
Hs.535845.1.2	chr6:45404500:45498307	45447763	s	NM_001015051	2	CDS	860	RUNX2	runt-related transcription factor 2
Hs.536490.1.4	chr18:70622447:70718140	70645571	s	NM_017757	3	CDS	55628	ZNF407	zinc finger protein 407
Hs.546311.1.4	chr4:328220:356452	342339	s	NM_003441	3	CDS	7700	ZNF141	zinc finger protein 141 (clone pHZ-44)
Hs.546327.1.32	chr14:91569288:91561518	91566477	s	NM_004239	2	CDS	9321	TRIP11	thyroid hormone receptor interactor 11
Hs.546342.1.7	chr10:12252721:12249817	12251727	s	NM_014142	9	CDS	11164	NUDT5	nudix (nucleoside diphosphate linked moiety X)-type motif 5
Hs.546344.1.13	chrX:21387393:21426605	21420505	s	NM_014927	20	CDS	22866	CNKSR2	connector enhancer of kinase suppressor of Ras 2
Hs.546385.1.4	chr7:114213788:114249692	114214090	s	NM_199072	4	CDS	29969	MDFIC	MyoD family inhibitor domain containing
Hs.546404.1.24	chr11:46471733:46421725	46469124	s	NM_017749	12	CDS	55626	FLJ20294	hypothetical protein FLJ20294
Hs.546421.1.14	chr10:73076381:73104874	73077667	s	NM_022124	14	CDS	64072	CDH23	cadherin-like 23
Hs.546501.1.6	chr3:27272790:27219053	27232101	s	NM_152534	6	CDS	152110	NEK10	NIMA (never in mitosis gene a)- related kinase 10
Hs.546501.1.7	chr3:27272790:27232376	27271607	s	AK123061	24	CDS	152110	NEK10	NIMA (never in mitosis gene a)- related kinase 10
Hs.546509.1.10	chrX:100572188:100592775	100578086	s	NM_152583	11	3UTR	158947	ARMCX4	armadillo repeat containing, X-linked 4
Hs.546537.1.10	chr8:95821195:95837439	95826382	s	NM_181787	6	CDS	286148	DPY19L4	dpy-19-like 4 (C. elegans)

Hs.546537.1.11	chr8:95821195:95837439	95826488	s	NM_181787	6	CDS	286148	DPY19L4	dpy-19-like 4 (C. elegans)
Hs.549027.1.13	chr12:39639304:39660977	39652502	s	NM_001843	15	CDS	1272	CNTN1	contactin 1
Hs.549042.1.18	chr21:33554903:33556967	33556932	s	NM_207585	8	CDS	3455	IFNAR2	interferon (alpha, beta and omega) receptor 2
Hs.549079.1.4	chr7:71886910:72190310	71888325	s	NM_003602	4	CDS	8468	FKBP6	FK506 binding protein 6, 36kDa
Hs.549092.1.19	chr8:53484440:53305191	53478814	s	NM_014682	2	5UTR	9705	ST18	suppression of tumorigenicity 18 (breast carcinoma) (zinc finger protein)
Hs.549101.1.22	chr6:123893349:123879051	123891527	s	NM_006073	5	CDS	10345	TRDN	triadin
Hs.549154.1.11	chr9:37773910:37770878	37771972	s	NM_001002269	2	CDS	51010	EXOSC3	exosome component 3
Hs.549159.1.6	chr17:42003440:41949916	41986721	s	NM_016632	3	CDS	51326	LOC51326	ADP-ribosylation factor-like
Hs.549159.1.8	chr17:42003440:41949916	41989935	s	NM_016632	3	CDS	51326	LOC51326	ADP-ribosylation factor-like
Hs.549163.1.10	chr16:76755688:77803005	76870096	s	NM_130788	5	CDS	51741	WVVOX	WW domain containing oxidoreductase
Hs.549169.1.16	chr6:34947681:34955763	34948467	s	NM_017754	20	CDS	54887	C6orf107	chromosome 6 open reading frame 107
Hs.549178.1.15	chr9:137002660:137006030	137004522	s	NM_024718	7	CDS	55684	C9orf86	chromosome 9 open reading frame 86
Hs.549178.1.17	chr9:137002660:137006030	137004631	s	NM_024718	7	CDS	55684	C9orf86	chromosome 9 open reading frame 86
Hs.549184.1.6	chr3:64482881:64477838	64482197	s	NM_182920	39	3UTR	56999	ADAMTS9	a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif, 9
Hs.549215.1.20	chr11:125937939:125901793	125924388	s	NM_032531	2	CDS	84623	KIRREL3	kin of IRRE like 3 (Drosophila)
Hs.549215.1.22	chr11:125937939:125901793	125924644	s	NM_032531	2	CDS	84623	KIRREL3	kin of IRRE like 3 (Drosophila)
Hs.549231.1.6	chr10:135257735:135256714	135257375	s	NM_130784	12	CDS	93426	C10orf94	chromosome 10 open reading frame 94
Hs.550535.1.2	chr1:2321032:2300452	2318776	s	NM_024848	10	CDS	79906	FLJ13941	hypothetical protein FLJ13941
Hs.550535.1.9	chr1:2348578:2338159	2342596	s	NM_024848	6	CDS	79906	FLJ13941	hypothetical protein FLJ13941
Hs.550589.1.33	chr17:38711330:38717445	38717402	s	NM_031858	20	CDS	4077	NBR1	neighbor of BRCA1 gene 1
Hs.550590.1.3	chr10:89115543:89117070	89116932	s	NM_001009610	6	CDS	283008	FAM22A	family with sequence similarity 22, member A
Hs.55131.1.18	chr3:44374373:44377860	44376296	s	NM_173826	3	CDS	285343	C3orf23	chromosome 3 open reading frame 23
Hs.551518.1.9	chr17:5179364:5182037	5180709	s	NM_004703	4	CDS	9135	RABEP1	rabaptin, RAB GTPase binding effector protein 1
Hs.551583.1.7	chr5:54504172:54478442	54500626	s	NM_152623	2	CDS	166979	FLJ37927	CDC20-like protein
Hs.552571.1.7	chr4:5876162:5903350	5878110	s	NM_014556	11	CDS	2121	EVC	Ellis van Creveld syndrome
Hs.552580.1.22	chr2:242123386:242127544	242125433	s	NM_014808	17	CDS	9855	FARP2	FERM, RhoGEF and pleckstrin domain protein 2 similar to hepatocellular carcinoma-associated antigen HCA557b
Hs.552610.1.13	chr2:208312035:208272391	208302973	s	BC009462	3	CDS	151194	LOC151194	thioredoxin domain containing 6
Hs.552621.1.3	chr3:139505046:139464127	139502741	s	NM_178130	11	CDS	347736	TXNDC6	thioredoxin domain containing 6
Hs.553496.1.14	chr6:83936742:83935762	83935959	s	NM_015599	12	CDS	5238	PGM3	phosphoglucomutase 3
Hs.553523.1.10	chr19:11283899:11298469	11287642	s	NM_012466	6	CDS	26526	TSPAN16	tetraspanin 16
Hs.553529.1.3	chr9:99968387:100067898	99972740	s	NM_014425	3	CDS	27130	INVS	inversin
Hs.553530.1.9	chr22:21800766:21730866	21797918	s	NM_014433	4	CDS	27156	RTDR1	rhabdoid tumor deletion region gene 1
Hs.553542.1.4	chr5:111532334:111522039	111528597	s	AK096057	11	CDS	64097	EPB41L4A	erythrocyte membrane protein band 4.1 like 4A
Hs.553617.1.6	chr15:47587699:47450889	47502004	s	NM_152647	11	CDS	196951	FLJ32800	hypothetical protein FLJ32800
Hs.553938.1.3	chr21:39903379:39891787	39899396	s	NM_153754	2	CDS	114041	C21orf88	chromosome 21 open reading frame 88
Hs.553981.1.1	chr8_random:825059:859263	842296	s	AK097091	5	CDS	11042	SMA5	SMA5
Hs.554734.1.13	chrX:85039915:85025203	85030244	s	NM_000390	4	CDS	1121	CHM	choroideremia (Rab escort protein 1)
Hs.554734.1.14	chrX:85039915:85025203	85030800	s	NM_000390	4	CDS	1121	CHM	choroideremia (Rab escort protein 1)
Hs.554747.1.26	chr15:40390337:40401274	40394323	s	NM_198141	10	CDS	2595	GANC	glucosidase, alpha; neutral C
Hs.554769.1.14	chr11:111117986:111113504	111117312	s	NM_181699	15	CDS	5519	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform
Hs.554769.1.15	chr11:111117986:111113504	111117349	s	NM_181699	15	CDS	5519	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform
Hs.554769.1.9	chr11:111117986:111113504	111117026	s	NM_181699	15	CDS	5519	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform
Hs.554787.1.13	chr15:22764323:22770550	22765061	s	NM_005678	3	3UTR	8926	SNURF	SNRPN upstream reading frame
Hs.554789.1.13	chr18:3719134:3572247	3698346	s	NM_001003809	4	CDS	9229	DLGAP1	discs, large (Drosophila) homolog-associated protein 1

Hs.554818.1.2	chr21:44753509:44749193	44752818	s	NM_144991	10	CDS	54084	C21orf29	chromosome 21 open reading frame 29
Hs.554831.1.41	chr2:128236865:128200582	128209224	s	NM_018383	7	CDS	55339	WDR33	WD repeat domain 33
Hs.554897.1.11	chr15:34789455:34887816	34826734	s	NM_032499	11	CDS	84529	HH114	hypothetical protein HH114
Hs.554916.1.2	chr17:73698737:73710174	73705236	s	NM_001010982	2	CDS	125061	AFMID	arylformamidase
Hs.554922.1.12	chr2:61150550:61147802	61148634	s	NM_144709	2	CDS	150962	FLJ32312	hypothetical protein FLJ32312
Hs.554929.1.3	chr13:27120591:27137822	27123681	s	NM_152705	2	CDS	219404	MGC9850	hypothetical protein MGC9850
Hs.554940.1.9	chr6:42961800:42961971	42961965	s	NM_198486	4	CDS	285855	RPL7L1	ribosomal protein L7-like 1
Hs.554968.1.1	chr19:24081286:24100895	24081994	s	NM_203282	4	CDS	399655	ZNF539	zinc finger protein 539
Hs.59504.1.13	chr9:124897708:124871573	124894050	s	NM_173690	4	CDS	286205	C9orf126	chromosome 9 open reading frame 126
Hs.59506.1.4	chr9:1043825:1046215	1045872	s	NM_181872	2	CDS	10655	DMRT2	doublesex and mab-3 related transcription factor 2
Hs.61307.1.4	chr4:141648068:141572183	141639441	s	AK095554	2	CDS	NA	NA	NA
Hs.61307.1.5	chr4:141648068:141572183	141639582	s	AK095554	2	CDS	NA	NA	NA
Hs.61438.1.14	chrX:37914425:37912923	37913801	s	AJ238395	10	CDS	6103	RPGR	retinitis pigmentosa GTPase regulator
Hs.62022.1.5	chr7:107263438:107258575	107260966	s	NM_007356	33	CDS	22798	LAMB4	laminin, beta 4
Hs.65551.1.26	chr20:31358455:31361174	31359440	s	NM_033197	15	CDS	92747	C20orf114	chromosome 20 open reading frame 114
Hs.65756.1.12	chr16:262862:261570	261827	s	NM_003834	9	CDS	8786	RGS11	regulator of G-protein signalling 11
Hs.68876.1.3	chr3:3108907:3093312	3106868	s	NM_000564	10	CDS	3568	IL5RA	interleukin 5 receptor, alpha
Hs.74615.1.26	chr4:54987578:54992465	54989070	s	NM_006206	16	CDS	5156	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide
Hs.76781.1.10	chr1:94655893:94658040	94656300	s	NM_002858	8	CDS	5825	ABCD3	ATP-binding cassette, sub-family D (ALD), member 3
Hs.77348.1.17	chr4:175791428:175787976	175789106	s	X82460	5	CDS	3248	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)
Hs.78060.1.28	chr16:46202333:46232446	46210841	s	NM_000293	14	CDS	5257	PHKB	phosphorylase kinase, beta
Hs.78065.1.37	chr5:41015769:41017250	41016213	s	NM_000587	17	CDS	730	C7	complement component 7
Hs.79353.1.1	chr13:113288166:113313311	113288480	s	NM_007111	2	CDS	7027	TFDP1	transcription factor Dp-1
Hs.8004.1.31	chr3:125697951:125719936	125701793	s	NM_003947	33	CDS	8997	KALRN	kalirin, RhoGEF kinase
Hs.80305.1.5	chr10:98978893:98914638	98975129	s	AY336750	11	CDS	84986	ARHGAP19	Rho GTPase activating protein 19
Hs.80642.1.20	chr2:191836844:191766558	191821723	s	NM_003151	3	CDS	6775	STAT4	signal transducer and activator of transcription 4
Hs.80741.1.32	chr13:99899561:99965681	99942072	s	NM_000282	21	CDS	5095	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide
Hs.8086.1.20	chr18:13744147:13752037	13750279	s	AB022605	10	CDS	8731	RNMT	RNA (guanine-7-) methyltransferase
Hs.81337.1.5	chr17:22991927:22993390	22992176	s	NM_002308	3	CDS	3965	LGALS9	lectin, galactoside-binding, soluble, 9 (galectin 9)
Hs.82002.1.7	chr13:77371994:77368695	77370196	s	NM_003991	6	CDS	1910	EDNRB	endothelin receptor type B
Hs.82002.1.9	chr13:77371994:77368695	77370331	s	NM_003991	6	CDS	1910	EDNRB	endothelin receptor type B
Hs.85962.1.9	chr16:67704947:67709758	67709057	s	NM_138612	3	CDS	3038	HAS3	hyaluronan synthase 3
Hs.86970.1.10	chr8:117851787:117867922	117853360	s	AK055279	2	CDS	84294	MGC14595	hypothetical protein MGC14595
Hs.8752.1.10	chr12:54994901:54991466	54992642	s	NM_014255	3	CDS	10330	TMEM4	transmembrane protein 4
Hs.88663.1.2	chr6:49548531:49556622	49554021	s	NM_018132	5	CDS	55166	C6orf139	chromosome 6 open reading frame 139
Hs.89387.1.10	chr10:119801698:119956023	119849635	s	NM_201377	3	5UTR	255082	CASC2	cancer susceptibility candidate 2
Hs.89387.1.3	chr10:119801698:119956023	119847861	s	NM_201377	3	5UTR	255082	CASC2	cancer susceptibility candidate 2
Hs.89387.1.9	chr10:119801698:119956023	119849359	s	NM_201377	3	5UTR	255082	CASC2	cancer susceptibility candidate 2
Hs.8944.1.26	chr3:144049756:144044589	144048205	s	NM_013363	3	CDS	26577	PCOLCE2	procollagen C-endopeptidase enhancer 2
Hs.89605.1.4	chr15:76680649:76672589	76674706	s	BC006114	5	CDS	1136	CHRNA3	cholinergic receptor, nicotinic, alpha polypeptide 3
Hs.89655.1.45	chr2:219997670:219994059	219997245	s	NM_002846	3	CDS	5798	PTPRN	protein tyrosine phosphatase, receptor type, N
Hs.89771.1.1	chr2:27635748:27638031	27636348	s	NM_001486	8	CDS	2646	GCKR	glucokinase (hexokinase 4) regulator
Hs.89890.1.31	chr11:66387820:66377431	66384477	s	NM_000920	11	CDS	5091	PC	pyruvate carboxylase
Hs.89983.1.8	chr3:188450740:188444112	188447308	s	NM_001879	8	CDS	5648	MASP1	mannan-binding lectin serine protease 1 (C4/C2 activating component of Ra-reactive factor)

Hs.9029.1.17	chr17:36341150:36338386	36339454	s	NM_173213	2	5UTR	25984	KRT23	keratin 23 (histone deacetylase inducible)
Hs.90458.1.29	chr9:91921852:91909936	91920901	s	NM_006415	5	CDS	10558	SPTLC1	serine palmitoyltransferase, long chain base subunit 1
Hs.90458.1.32	chr9:91921852:91909936	91921206	s	NM_006415	5	CDS	10558	SPTLC1	serine palmitoyltransferase, long chain base subunit 1
Hs.94542.1.18	chr14:77230833:77216067	77221122	s	NM_006020	3	CDS	8846	ALKBH	alkB, alkylation repair homolog (E. coli)
Hs.9597.1.11	chr9:131434068:131430919	131433885	s	BC015547	4	CDS	83549	UCK1	uridine-cytidine kinase 1
Hs.96513.1.16	chr2:234178884:234176624	234178332	s	NM_018218	26	CDS	55230	USP40	ubiquitin specific protease 40
Hs.96530.1.9	chr17:50395665:50395276	50395281	s	NM_004375	3	CDS	1353	COX11	COX11 homolog, cytochrome c oxidase assembly protein (yeast)
Hs.97432.1.19	chr2:46149308:46224997	46149710	s	NM_005400	10	CDS	5581	PRKCE	protein kinase C, epsilon
Hs.97432.1.9	chr2:45981854:46115218	45984547	s	NM_005400	2	CDS	5581	PRKCE	protein kinase C, epsilon
Hs.98188.1.2	chr12:118329288:118372518	118334159	s	NM_178499	2	CDS	160777	MGC39827	hypothetical protein MGC39827
Hs.98262.1.7	chr6:102240922:102354215	102299711	s	NM_021956	6	CDS	2898	GRIK2	glutamate receptor, ionotropic, kainate 2
Hs.99141.1.18	chr7:50927071:50885599	50912734	s	NM_015198	7	CDS	23242	COBL	cordon-bleu homolog (mouse)
Hs.99195.1.30	chr4:22098777:22091707	22092086	s	NM_145290	12	CDS	166647	GPR125	G protein-coupled receptor 125