Supplemental Table S1. Primers for SYBRGreen quantitative RT-PCR assays.

Gene	Accession	Primer	Sequence	Length	Start	Stop	Tm	GC%
GAPDH	NM_002046.3	GAPDH F	TCCTGTTCGACAGTCAGCCGCA	22	39	60	60.43	59.09
		GAPDH R	GCGCCCAATACGACCAAATCCGT	23	150	128	60.12	56.52
		Exon junction	131/132 (reverse primer) on template NM_002046.3					
DNAH6	NM_001370.1	DNAH6 F	GGGCCTGGTGCTGCTTTGATGA	22	4690	4711	59.66	59.09%
		DNAH6 R	TAGAGAGCTTTGCCGCTTTGGCG	23	4797	4775	60.06	56.52%
		Exon junction	4790/4791 (reverse primer) on template NM_001370.1					
DNAH7	NM_018897.2	DNAH7 F	TGCTGCATGAGCGGGCGATTA	21	9973	9993	59.25	57.14%
		DNAH7 R	AGGAAGCCATGTACAAAGGTTGGCA	25	10073	10049	58.85	48.00%
		Exon junction	9989/9990 (forward primer) on template NM_018897.2					
DNAI1	NM_012144.2	DNAI1 F	AACAGATGTGCCTGCAGCTGGG	22	673	694	59.67	59.09
		DNAI1 R	TCTCGATCCCGGACAGGGTTGT	22	822	801	59.07	59.09
		Exon junction	814/815 (reverse primer) on template NM_012144.2					
RPGRIP1L	NM_015272.2	RPGRIP1L F	TCCCAAGGTTTCACAAGAAGGCAGT	25	3118	3142	58.5	48.00%
		RPGRIP1L R	TGCCAAGCTTTGTTCTGCAAGCTGA	25	3238	3214	60.06	48.00%
		Exon junction	3124/3125 (forward primer) on template NM_015272.2					

Supplemental Table S2. Transcripts that differentiate IPF/UIP from controls at 5%FDR

Transcript Cluster ID	RefSeq	Gene Symbol	gene_assignment	p-value (Age)	p-value (Gender)	p-value (Smoking)	p-value (IPF/UIP vs. C)	Fold-Change (IPF/UIP vs. C)
8070632	NM_001178008	CBS	NM_001178008 // CBS // cystathionine-beta-synthase // 21q22.3 // 875 /// NM_0000	0.456642	0.314761	0.418564	4.83E-36	-2.23
8103254	NM_003013	SFRP2	NM_003013 // SFRP2 // secreted frizzled-related protein 2 // 4q31.3 // 6423 ///	0.625595	0.078456	0.339615	1.42E-30	6.96
8076137	NM_015374	SUN2	NM_015374 // SUN2 // Sad1 and UNC84 domain containing 2 // 22q13.1 // 25777 ///	0.74974	0.011049	0.67162	1.40E-29	-1.82
8109333	NM_002084	GPX3	NM_002084 // GPX3 // glutathione peroxidase 3 (plasma) // 5q23 // 2878 /// ENST0	0.430133	0.002053	0.643244	1.22E-28	-2.74
8083447	NM_002563	P2RY1	NM_002563 // P2RY1 // purinergic receptor P2Y, G-protein coupled, 1 // 3q25.2 //	0.615801	0.950295	0.365474	6.16E-27	-2.86
7996819	NM_001793	CDH3	NM_001793 // CDH3 // cadherin 3, type 1, P-cadherin (placental) // 16q22.1 // 10	0.009559	0.448395	0.411104	3.75E-26	3.58
8147244	NM_022351	NECAB1	NM_022351 // NECAB1 // N-terminal EF-hand calcium binding protein 1 // 8q21.3 //	0.685413	0.332522	0.739776	7.05E-25	-3.59
7939665	NM_001012334	MDK	NM_001012334 // MDK // midkine (neurite growth-promoting factor 2) // 11p11.2 //	0.27205	0.650887	0.781016	7.21E-25	1.93
8070961	NM_002340	LSS	NM_002340 // LSS // lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase) /	0.737654	0.182236	0.844486	1.36E-24	-1.94

8148070	NM_021110	COL14A1	NM_021110 // COL14A1 // collagen, type XIV, alpha 1 // 8q23 // 7373 /// ENST0000	0.354378	0.460841	0.952138	1.77E-24	4.09
8149885	NM_000680	ADRA1A	NM_000680 // ADRA1A // adrenergic, alpha-1A-, receptor // 8p21.2 // 148 /// NM_0	0.014366	0.115339	0.623063	2.75E-24	-2.22
8136662	NM_004668	MGAM	NM_004668 // MGAM // maltase-glucoamylase (alpha-glucosidase) // 7q34 // 8972 //	0.163269	0.921797	0.789496	3.02E-24	-4.16
7946641	NM_198516	GALNTL4	NM_198516 // GALNTL4 // UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylg	0.260153	0.750474	0.90351	3.66E-24	-2.18
8130739	NM_021135	RPS6KA2	NM_021135 // RPS6KA2 // ribosomal protein S6 kinase, 90kDa, polypeptide 2 // 6q2	0.462264	0.094697	0.938204	1.41E-23	-1.82
7903214	NM_014839	LPPR4	NM_014839 // LPPR4 // lipid phosphate phosphatase-related protein type 4 // 1p21	0.526718	0.622418	0.134065	6.25E-23	2.45
8162394	NM_017680	ASPN	NM_017680 // ASPN // asporin // 9q22 // 54829 /// NM_001193335 // ASPN // aspori	0.008958	0.91816	0.0741792	6.94E-23	5.16
7914042	NM_004672	MAP3K6	NM_004672 // MAP3K6 // mitogen-activated protein kinase kinase kinase 6 // 1p36.	0.343731	0.916583	0.821909	1.40E-22	-1.88
8149555	NM_015310	PSD3	NM_015310 // PSD3 // pleckstrin and Sec7 domain containing 3 // 8p21.3 // 23362	0.132732	0.580459	0.238988	1.42E-22	1.93
8123104	NM_032532	FNDC1	NM_032532 // FNDC1 // fibronectin type III domain containing 1 // 6q25 // 84624	0.824688	0.538236	0.390894	2.08E-22	2.96
7904293	NM_020440	PTGFRN	NM_020440 // PTGFRN // prostaglandin F2 receptor negative regulator // 1p13.1 //	0.712214	0.131824	0.2651	7.52E-22	2.14

7952268	NM_006288	THY1	NM_006288 // THY1 // Thy-1 cell surface antigen // 11q23.3 // 7070 /// ENST00000	0.177	0.186278	0.398847	3.78E-21	3.55
7980485	NM_013989	DIO2	NM_013989 // DIO2 // deiodinase, iodothyronine, type II // 14q24.2-q24.3 // 1734	0.41374	0.001194	0.136475	3.81E-21	2.54
7953021	NM_024551	ADIPOR2	NM_024551 // ADIPOR2 // adiponectin receptor 2 // 12p13.31 // 79602 /// ENST0000	0.615955	0.085916	0.372758	3.82E-21	-1.82
8019357	NM_016286	DCXR	NM_016286 // DCXR // dicarbonyl/L-xylulose reductase // 17q25.3 // 51181 /// NM_	0.0145	0.432558	0.847005	4.55E-21	-1.67
8174654	NM_033495	KLHL13	NM_033495 // KLHL13 // kelch-like 13 (Drosophila) // Xq23-q24 // 90293 /// NM_00	0.39826	0.263702	0.991129	5.64E-21	2.51
7908204	NM_031935	HMCN1	NM_031935 // HMCN1 // hemicentin 1 // 1q25.3-q31.1 // 83872 /// ENST00000271588	0.007176	0.964079	0.763295	7.13E-21	2.42
7950810	NM_206927	SYTL2	NM_206927 // SYTL2 // synaptotagmin-like 2 // 11q14 // 54843 /// NM_206928 // SY	0.037707	0.342637	0.783203	8.41E-21	1.97
7972745	NM_003749	IRS2	NM_003749 // IRS2 // insulin receptor substrate 2 // 13q34 // 8660 /// ENST00000	0.952433	0.097443	0.249027	9.40E-21	-1.88
7955578	NM_181711	GRASP	NM_181711 // GRASP // GRP1 (general receptor for phosphoinositides 1)-associated	0.309603	0.262771	0.634118	9.96E-21	-2.50
7920238	NM_005621	S100A12	NM_005621 // S100A12 // S100 calcium binding protein A12 // 1q21 // 6283 /// ENS	0.050753	0.718753	0.402793	1.08E-20	-3.83
7904761	NM_003637	ITGA10	NM_003637 // ITGA10 // integrin, alpha 10 // 1q21 // 8515 /// ENST00000369304 //	0.396106	0.127081	0.212834	1.25E-20	-2.37

8088979	NM_016206	VGLL3	NM_016206 // VGLL3 // vestigial like 3 (Drosophila) // 3p12.1 // 389136 /// ENST	0.002928	0.010553	0.256786	1.35E-20	-2.10
8171313	NM_013427	ARHGAP6	NM_013427 // ARHGAP6 // Rho GTPase activating protein 6 // Xp22.3 // 395 /// NM_	0.001126	0.701491	0.870062	2.06E-20	-2.01
8114249	NM_004887	CXCL14	NM_004887 // CXCL14 // chemokine (C-X-C motif) ligand 14 // 5q31 // 9547 /// ENS	0.115706	0.827791	0.463199	2.37E-20	2.45
7926152	NM_024693	ECHDC3	NM_024693 // ECHDC3 // enoyl CoA hydratase domain containing 3 // 10p14 // 79746	0.723514	0.130592	0.694849	2.75E-20	-1.73
8023727	NM_032160	DSEL	NM_032160 // DSEL // dermatan sulfate epimerase-like // 18q22.1 // 92126 /// ENS	0.024499	0.100221	0.564341	2.99E-20	-1.92
8080964	NM_001080393	GXYLT2	NM_001080393 // GXYLT2 // glucoside xylosyltransferase 2 // 3p13 // 727936 /// E	0.890374	0.505058	0.549978	3.11E-20	2.49
7905606	NM_000906	NPR1	NM_000906 // NPR1 // natriuretic peptide receptor A/guanylate cyclase A (atriona	0.221305	0.043182	0.712389	3.50E-20	-2.44
8116537	NM_024850	BTNL8	NM_024850 // BTNL8 // butyrophilin-like 8 // 5q35.3 // 79908 /// NM_001040462 //	0.43025	0.197733	0.405111	4.14E-20	-1.71
8080578	NM_018398	CACNA2D3	NM_018398 // CACNA2D3 // calcium channel, voltage-dependent, alpha 2/delta subun	0.060511	0.243001	0.0082213	4.59E-20	-1.67
8045776	NM_052917	GALNT13	NM_052917 // GALNT13 // UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylg	0.017951	0.09348	0.157563	6.66E-20	-2.15
8039096	NM_144687	NLRP12	NM_144687 // NLRP12 // NLR family, pyrin domain containing 12 // 19q13.42 // 916	0.057388	0.661991	0.929529	8.52E-20	-1.76

8061564	NM_181353	ID1	NM_181353 // ID1 // inhibitor of DNA binding 1, dominant negative helix-loop-hel	0.516844	0.227374	0.163939	9.08E-20	-2.52
7902425	NM_152996	ST6GALNAC3	NM_152996 // ST6GALNAC3 // ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,	0.15897	0.288073	0.832047	9.43E-20	-2.05
7954481	NM_005086	SSPN	NM_005086 // SSPN // sarcospan (Kras oncogene-associated gene) // 12p11.2 // 808	0.010514	0.743244	0.565015	9.75E-20	1.78
8149551	NM_015310	PSD3	NM_015310 // PSD3 // pleckstrin and Sec7 domain containing 3 // 8p21.3 // 23362	0.013523	0.927144	0.156792	1.18E-19	2.15
7901316	NM_001135181	SLC5A9	NM_001135181 // SLC5A9 // solute carrier family 5 (sodium/glucose cotransporter)	0.011155	0.424205	0.0183648	1.38E-19	-2.01
8135218	NM_005824	LRRC17	NM_005824 // LRRC17 // leucine rich repeat containing 17 // 7q22.1 // 10234 ///	0.79711	0.013604	0.737823	1.40E-19	2.79
7914950	NM_156039	CSF3R	NM_156039 // CSF3R // colony stimulating factor 3 receptor (granulocyte) // 1p35	0.118326	0.288053	0.690138	1.55E-19	-2.49
7966839	NM_019086	VSIG10	NM_019086 // VSIG10 // V-set and immunoglobulin domain containing 10 // 12q24.23	0.041268	0.010701	0.733545	1.69E-19	-1.61
8122222	NM_018945	PDE7B	NM_018945 // PDE7B // phosphodiesterase 7B // 6q23-q24 // 27115 /// ENST00000308	0.491208	0.809038	0.311159	1.79E-19	2.18
8063923	NM_016354	SLCO4A1	NM_016354 // SLCO4A1 // solute carrier organic anion transporter family, member	0.169865	0.646993	0.136994	2.26E-19	-3.33
7939052	NM_203371	FIBIN	NM_203371 // FIBIN // fin bud initiation factor homolog (zebrafish) // 11p14.2 /	0.010942	0.001672	0.176034	2.36E-19	-2.75

8171172	NM_015419	MXRA5	NM_015419 // MXRA5 // matrix-remodelling associated 5 // Xp22.33 // 25878 /// EN	0.870662	0.666444	0.375889	2.38E-19	2.50
8109462	NM_004779	CNOT8	NM_004779 // CNOT8 // CCR4-NOT transcription complex, subunit 8 // 5q31-q33 // 9	0.89724	0.05076	0.570686	2.56E-19	-1.56
7970954	NM_004734	DCLK1	NM_004734 // DCLK1 // doublecortin-like kinase 1 // 13q13 // 9201 /// NM_0011954	0.668455	0.2099	0.93869	3.19E-19	2.82
8092230	NM_022470	ZMAT3	NM_022470 // ZMAT3 // zinc finger, matrin-type 3 // 3q26.32 // 64393 /// NM_1522	0.008593	0.448582	0.458734	3.46E-19	1.59
7929438	NM_018063	HELLS	NM_018063 // HELLS // helicase, lymphoid-specific // 10q24.2 // 3070 /// ENST000	0.069776	0.020052	0.0825495	3.53E-19	1.96
8029784	NM_152794	HIF3A	NM_152794 // HIF3A // hypoxia inducible factor 3, alpha subunit // 19q13.32 // 6	0.010044	0.964829	0.559156	3.61E-19	-2.18
8126839	NM_014452	TNFRSF21	NM_014452 // TNFRSF21 // tumor necrosis factor receptor superfamily, member 21 /	0.000313	0.383397	0.277082	5.05E-19	1.90
8156783	NM_001855	COL15A1	NM_001855 // COL15A1 // collagen, type XV, alpha 1 // 9q21-q22 // 1306 /// ENST0	0.483959	0.368165	0.215703	5.30E-19	2.60
8110631	NM_152547	BTNL9	NM_152547 // BTNL9 // butyrophilin-like 9 // 5q35.3 // 153579 /// ENST0000032770	0.019168	0.112721	0.636179	5.76E-19	-3.67
8087611	NM_007312	HYAL1	NM_007312 // HYAL1 // hyaluronoglucosaminidase 1 // 3p21.3-p21.2 // 3373 /// NM_	0.107282	0.006393	0.481952	6.57E-19	-1.81
7928944	NM_004670	PAPSS2	NM_004670 // PAPSS2 // 3'-phosphoadenosine 5'-phosphosulfate synthase 2 // 10q24	0.97042	0.081389	0.112692	8.81E-19	-2.31

8088919	NM_133631	ROBO1	NM_133631 // ROBO1 // roundabout, axon guidance receptor, homolog 1 (Drosophila)	0.575316	0.364383	0.455859	9.00E-19	1.68
8001547	NM_015993	PLLP	NM_015993 // PLLP // plasmolipin // 16q13 // 51090 /// ENST00000219207 // PLLP /	0.640897	0.002863	0.453267	9.19E-19	-2.23
8129861	NM_000416	IFNGR1	NM_000416 // IFNGR1 // interferon gamma receptor 1 // 6q23.3 // 3459 /// ENST000	0.844723	0.479514	0.602843	1.00E-18	-1.57
7921702	NM_080878	ITLN2	NM_080878 // ITLN2 // intelectin 2 // 1q22-q23 // 142683 /// ENST00000368029 //	0.006581	0.244348	0.616338	1.33E-18	-2.40
8110606	NM_024850	BTNL8	NM_024850 // BTNL8 // butyrophilin-like 8 // 5q35.3 // 79908 /// NM_001159708 //	0.392574	0.074119	0.406711	1.46E-18	-1.56
8174598	NM_000640	IL13RA2	NM_000640 // IL13RA2 // interleukin 13 receptor, alpha 2 // Xq13.1-q28 // 3598 /	0.060767	0.265732	0.658137	1.51E-18	3.41
7951217	NM_002423	MMP7	NM_002423 // MMP7 // matrix metallopeptidase 7 (matrilysin, uterine) // 11q21-q2	0.41145	0.303077	0.331552	1.58E-18	7.90
7930915	---		---	0.000138	0.297063	0.0646605	1.73E-18	-2.13
7964872	NM_001109754	PTPRB	NM_001109754 // PTPRB // protein tyrosine phosphatase, receptor type, B // 12q15	0.010319	0.055922	0.389175	1.98E-18	-2.78
8104570	NM_019018	FAM105A	NM_019018 // FAM105A // family with sequence similarity 105, member A // 5p15.2	0.141728	0.07371	0.409452	2.72E-18	-2.14
8015846	NM_001932	MPP3	NM_001932 // MPP3 // membrane protein, palmitoylated 3 (MAGUK p55 subfamily memb	0.925762	0.472714	0.326949	2.87E-18	-1.80
7909877	NM_022746	MOSC1	NM_022746 // MOSC1 // MOCO sulphurase C-terminal domain containing 1 // 1q41 //	0.288696	0.020882	0.0903863	3.00E-18	-1.61

8092328	NM_020166	MCCC1	NM_020166 // MCCC1 // methylcrotonoyl-CoA carboxylase 1 (alpha) // 3q27 // 56922	0.073364	0.740539	0.861487	3.34E-18	-1.80
7968015	NM_148957	TNFRSF19	NM_148957 // TNFRSF19 // tumor necrosis factor receptor superfamily, member 19 /	0.172881	0.514649	0.0507224	3.95E-18	1.90
8132092	NM_006774	INMT	NM_006774 // INMT // indolethylamine N-methyltransferase // 7p15.1 // 11185 ///	0.010017	0.014986	0.192167	4.00E-18	-3.12
8168028	NM_001142503	STARD8	NM_001142503 // STARD8 // StAR-related lipid transfer (START) domain containing	0.364058	0.149786	0.689923	4.25E-18	-1.90
8016044	NM_000419	ITGA2B	NM_000419 // ITGA2B // integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa	0.122684	0.461	0.164512	4.96E-18	-1.82
8016646	NM_000088	COL1A1	NM_000088 // COL1A1 // collagen, type I, alpha 1 // 17q21.33 // 1277 /// ENST000	0.131306	0.057385	0.867915	5.36E-18	3.64
8042079	NM_001080433	CCDC85A	NM_001080433 // CCDC85A // coiled-coil domain containing 85A // 2p16.1 // 114800	0.033665	0.743682	0.91516	5.39E-18	-1.76
7933194	NM_000609	CXCL12	NM_000609 // CXCL12 // chemokine (C-X-C motif) ligand 12 // 10q11.1 // 6387 ///	0.976126	0.55277	0.941894	6.12E-18	1.97
8060940	NM_012261	C20orf103	NM_012261 // C20orf103 // chromosome 20 open reading frame 103 // 20p12 // 24141	0.244385	0.681808	0.558254	7.35E-18	2.19
8038202	NM_001190	BCAT2	NM_001190 // BCAT2 // branched chain amino-acid transaminase 2, mitochondrial //	0.148921	0.174949	0.809489	7.49E-18	-1.59
7932584	NM_020200	PRTFDC1	NM_020200 // PRTFDC1 // phosphoribosyl transferase domain containing 1 // 10p12.	0.820983	0.282108	0.326384	7.52E-18	1.77

7919314	NM_001461	FMO5	NM_001461 // FMO5 // flavin containing monooxygenase 5 // 1q21.1 // 2330 /// NM_	0.219695	0.614358	0.678079	7.82E-18	-3.26
8063437	NM_173485	TSHZ2	NM_173485 // TSHZ2 // teashirt zinc finger homeobox 2 // 20q13.2 // 128553 /// N	0.412868	0.545757	0.554472	1.09E-17	1.81
7910915	NM_000740	CHRM3	NM_000740 // CHRM3 // cholinergic receptor, muscarinic 3 // 1q43 // 1131 /// ENS	0.553211	0.110108	0.532102	1.68E-17	-1.71
7935535	NM_018058	CRTAC1	NM_018058 // CRTAC1 // cartilage acidic protein 1 // 10q22 // 55118 /// ENST0000	0.444776	0.043385	0.0983701	1.81E-17	-2.76
8013947	NM_032854	CORO6	NM_032854 // CORO6 // coronin 6 // 17q11.2 // 84940 /// ENST00000388767 // CORO6	0.19671	0.288659	0.622899	1.98E-17	-1.61
7977409	NM_001311	CRIP1	NM_001311 // CRIP1 // cysteine-rich protein 1 (intestinal) // 14q32.33 // 1396 /	0.791362	0.137612	0.122818	2.00E-17	1.85
7914075	NM_003665	FCN3	NM_003665 // FCN3 // ficolin (collagen/fibrinogen domain containing) 3 (Hakata a	0.500535	0.023979	0.110046	2.06E-17	-5.25
8162117	NM_016548	GOLM1	NM_016548 // GOLM1 // golgi membrane protein 1 // 9q21.33 // 51280 /// NM_177937	0.369403	0.021218	0.58186	2.19E-17	2.35
7984174	NM_024798	SNX22	NM_024798 // SNX22 // sorting nexin 22 // 15q22.31 // 79856 /// NM_000942 // PPI	0.03266	0.015761	0.54846	2.52E-17	-1.56
7942697	NM_004055	CAPN5	NM_004055 // CAPN5 // calpain 5 // 11q14 // 726 /// ENST00000278559 // CAPN5 //	0.272567	0.770501	0.659925	2.55E-17	1.44
8151686	NM_005941	MMP16	NM_005941 // MMP16 // matrix metallopeptidase 16 (membrane-inserted) // 8q21.3 /	0.621747	0.838032	0.24748	2.78E-17	1.96

8088866	NM_020872	CNTN3	NM_020872 // CNTN3 // contactin 3 (plasmacytoma associated) // 3p26 // 5067 ///	0.709837	0.09567	0.814023	2.87E-17	2.21
8046488	NM_031942	CDCA7	NM_031942 // CDCA7 // cell division cycle associated 7 // 2q31 // 83879 /// NM_1	0.271562	0.678385	0.388896	2.91E-17	1.64
7961983	NM_016551	TM7SF3	NM_016551 // TM7SF3 // transmembrane 7 superfamily member 3 // 12q11-q12 // 5176	0.346758	0.200018	0.0624282	2.96E-17	1.50
7965606	NM_002108	HAL	NM_002108 // HAL // histidine ammonia-lyase // 12q22-q24.1 // 3034 /// ENST00000	0.189227	0.829546	0.34979	2.97E-17	-1.57
8177222	NM_013230	CD24	NM_013230 // CD24 // CD24 molecule // 6q21 // 100133941 /// BC064619 // CD24 //	0.2313	0.152439	0.154109	3.14E-17	3.71
8038163	NM_017805	RASIP1	NM_017805 // RASIP1 // Ras interacting protein 1 // 19q13.33 // 54922 /// ENST00	0.93179	0.034869	0.38226	3.42E-17	-1.76
8148476	NM_014957	DENND3	NM_014957 // DENND3 // DENN/MADD domain containing 3 // 8q24.3 // 22898 /// ENST	0.572993	0.314506	0.747021	3.53E-17	-1.95
8002020	NM_016140	TPPP3	NM_016140 // TPPP3 // tubulin polymerization-promoting protein family member 3 /	0.481944	0.54707	0.537027	3.83E-17	2.49
8085556	NM_004844	SH3BP5	NM_004844 // SH3BP5 // SH3-domain binding protein 5 (BTK-associated) // 3p24.3 /	0.219916	0.015771	0.310957	4.16E-17	-1.60
7958253	NM_001145199	C12orf75	NM_001145199 // C12orf75 // chromosome 12 open reading frame 75 // 12q23.3 // 38	0.157218	0.773873	0.755695	4.28E-17	2.12
8092726	NM_021101	CLDN1	NM_021101 // CLDN1 // claudin 1 // 3q28-q29 // 9076 /// ENST00000295522 // CLDN1	0.006579	0.89756	0.112624	4.47E-17	3.56

8122058	NM_000045	ARG1	NM_000045 // ARG1 // arginase, liver // 6q23 // 383 /// ENST00000368087 // ARG1	0.415719	0.145448	0.294948	4.72E-17	-1.97
7959834	NM_144669	GLT1D1	NM_144669 // GLT1D1 // glycosyltransferase 1 domain containing 1 // 12q24.33 //	0.03467	0.382788	0.372378	5.19E-17	-1.95
8163086	NM_032012	C9orf5	NM_032012 // C9orf5 // chromosome 9 open reading frame 5 // 9q31 // 23731 /// EN	0.078108	0.026648	0.284908	6.99E-17	-1.52
8019392	NM_004104	FASN	NM_004104 // FASN // fatty acid synthase // 17q25 // 2194 /// ENST00000306749 //	0.414206	0.517238	0.940627	7.17E-17	-2.82
8054254	NM_002285	AFF3	NM_002285 // AFF3 // AF4/FMR2 family, member 3 // 2q11.2-q12 // 3899 /// NM_0010	0.079629	0.380787	0.541904	7.54E-17	-2.64
7995525	NM_033119	NKD1	NM_033119 // NKD1 // naked cuticle homolog 1 (Drosophila) // 16q12 // 85407 ///	0.015642	0.057565	0.362737	8.86E-17	-1.82
8149324	NM_053279	FAM167A	NM_053279 // FAM167A // family with sequence similarity 167, member A // 8p23-p2	0.5799	0.032415	0.150795	8.97E-17	-1.64
7919856	NM_181746	LASS2	NM_181746 // LASS2 // LAG1 homolog, ceramide synthase 2 // 1q21.3 // 29956 /// N	0.728943	0.115169	0.150099	9.43E-17	-1.44
7940530	NM_001127392	C11orf9	NM_001127392 // C11orf9 // chromosome 11 open reading frame 9 // 11q12-q13.1 //	0.13136	0.039184	0.771103	1.24E-16	-1.90
8043981	NM_004633	IL1R2	NM_004633 // IL1R2 // interleukin 1 receptor, type II // 2q12 // 7850 /// NM_173	0.048629	0.463992	0.207857	1.34E-16	-4.78
8097335	NM_014278	HSPA4L	NM_014278 // HSPA4L // heat shock 70kDa protein 4-like // 4q28 // 22824 /// ENST	0.858285	0.114139	0.669724	1.42E-16	3.15

8116980	NM_001165032	RNF182	NM_001165032 // RNF182 // ring finger protein 182 // 6p23 // 221687 /// NM_15273	0.007582	0.773416	0.174838	1.53E-16	-1.94
7924619	NM_001008493	ENAH	NM_001008493 // ENAH // enabled homolog (Drosophila) // 1q42.12 // 55740 /// NM_	0.773491	0.585948	0.94096	1.62E-16	1.75
7936144	NM_000494	COL17A1	NM_000494 // COL17A1 // collagen, type XVII, alpha 1 // 10q24.3 // 1308 /// ENST	0.273684	0.618873	0.792419	1.64E-16	2.45
8166925	NM_000240	MAOA	NM_000240 // MAOA // monoamine oxidase A // Xp11.3 // 4128 /// ENST00000338702 /	0.429533	0.495484	0.180113	1.69E-16	-2.05
8076344	NM_001018050	POLR3H	NM_001018050 // POLR3H // polymerase (RNA) III (DNA directed) polypeptide H (22.	0.162519	0.159159	0.676744	1.95E-16	-1.46
7957126	NM_014505	KCNMB4	NM_014505 // KCNMB4 // potassium large conductance calcium-activated channel, su	0.114684	0.223808	0.407056	2.45E-16	-1.86
8035517	NM_000095	COMP	NM_000095 // COMP // cartilage oligomeric matrix protein // 19p13.1 // 1311 ///	0.464452	0.411721	0.842376	2.70E-16	2.29
8008113	NM_005831	CALCOCO2	NM_005831 // CALCOCO2 // calcium binding and coiled-coil domain 2 // 17q21.32 //	0.008388	0.354475	0.849381	2.84E-16	-1.53
7977497	NM_021178	CCNB1IP1	NM_021178 // CCNB1IP1 // cyclin B1 interacting protein 1 // 14q11.2 // 57820 ///	0.2411	0.452958	0.374584	2.86E-16	-1.43
8058498	NM_003468	FZD5	NM_003468 // FZD5 // frizzled homolog 5 (Drosophila) // 2q33.3 // 7855 /// ENST0	0.148739	0.200304	0.923482	3.53E-16	-1.65
8109283	NM_001543	NDST1	NM_001543 // NDST1 // N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	0.018627	0.028018	0.699355	3.93E-16	-1.50

8112615	NM_003633	ENC1	NM_003633 // ENC1 // ectodermal-neural cortex 1 (with BTB-like domain) // 5q13 /	0.130411	0.49206	0.267906	4.88E-16	1.65
7920244	NM_002964	S100A8	NM_002964 // S100A8 // S100 calcium binding protein A8 // 1q21 // 6279 /// ENST0	0.003807	0.951589	0.688267	5.02E-16	-2.86
8056457	NM_001165963	SCN1A	NM_001165963 // SCN1A // sodium channel, voltage-gated, type I, alpha subunit //	0.257502	0.92069	0.387386	5.06E-16	-2.51
8019280	NM_001184917	PCYT2	NM_001184917 // PCYT2 // phosphate cytidylyltransferase 2, ethanolamine // 17q25	0.504472	0.745366	0.821963	5.08E-16	-1.57
8113504	NM_004772	C5orf13	NM_004772 // C5orf13 // chromosome 5 open reading frame 13 // 5q22.1 // 9315 ///	0.774622	0.450205	0.667408	5.99E-16	1.65
8122637	NM_015278	SASH1	NM_015278 // SASH1 // SAM and SH3 domain containing 1 // 6q24.3 // 23328 /// ENS	0.70892	0.04728	0.473627	6.29E-16	-1.91
7996100	NM_170776	GPR97	NM_170776 // GPR97 // G protein-coupled receptor 97 // 16q21 // 222487 /// ENST0	0.038609	0.877425	0.800688	6.52E-16	-2.00
8020308	NM_181481	C18orf1	NM_181481 // C18orf1 // chromosome 18 open reading frame 1 // 18p11.2 // 753 ///	0.321546	0.127284	0.239352	6.88E-16	1.46
8046922	NM_000090	COL3A1	NM_000090 // COL3A1 // collagen, type III, alpha 1 // 2q31 // 1281 /// ENST00000	0.122769	0.062236	0.683391	6.93E-16	3.14
7908459	NM_000186	CFH	NM_000186 // CFH // complement factor H // 1q32 // 3075 /// NM_001014975 // CFH	0.083555	0.19109	0.0400911	7.12E-16	1.96
7903393	NM_001400	S1PR1	NM_001400 // S1PR1 // sphingosine-1-phosphate receptor 1 // 1p21 // 1901 /// ENS	0.813324	0.046036	0.859098	7.20E-16	-2.01

7918323	NM_002959	SORT1	NM_002959 // SORT1 // sortilin 1 // 1p13.3|1p21.3-p13.1 // 6272 /// ENST00000256	0.784569	0.341185	0.0149576	7.37E-16	-1.65
7954653	NM_001080509	TSPAN11	NM_001080509 // TSPAN11 // tetraspanin 11 // 12p11.21 // 441631 /// ENST00000261	0.264651	0.264632	0.478922	8.44E-16	2.12
8019778	NM_001184917	PCYT2	NM_001184917 // PCYT2 // phosphate cytidylyltransferase 2, ethanolamine // 17q25	0.482792	0.713027	0.752846	8.62E-16	-1.53
8044049	NM_003853	IL18RAP	NM_003853 // IL18RAP // interleukin 18 receptor accessory protein // 2q12 // 880	0.207082	0.316467	0.286372	8.87E-16	-2.74
7905571	NM_002965	S100A9	NM_002965 // S100A9 // S100 calcium binding protein A9 // 1q21 // 6280 /// ENST0	3.61E-05	0.742114	0.953924	9.49E-16	-2.22
8044035	NM_003855	IL18R1	NM_003855 // IL18R1 // interleukin 18 receptor 1 // 2q12 // 8809 /// ENST0000040	0.968176	0.683667	0.338576	9.92E-16	-2.57
7996219	NM_020465	NDRG4	NM_020465 // NDRG4 // NDRG family member 4 // 16q21-q22.1 // 65009 /// NM_001130	0.085095	0.056422	0.537647	1.02E-15	-1.72
8068522	NM_003316	TTC3	NM_003316 // TTC3 // tetratricopeptide repeat domain 3 // 21q22.2 // 7267 /// NM	0.054871	0.507641	0.245929	1.05E-15	1.57
8118963	NM_021922	FANCE	NM_021922 // FANCE // Fanconi anemia, complementation group E // 6p22-p21 // 217	0.632163	0.006275	0.759166	1.06E-15	-1.38
8096959	NM_001148	ANK2	NM_001148 // ANK2 // ankyrin 2, neuronal // 4q25-q27 // 287 /// NM_001127493 //	0.678367	0.438708	0.688856	1.09E-15	1.94
7920506	NM_001010846	SHE	NM_001010846 // SHE // Src homology 2 domain containing E // 1q21.3 // 126669 //	0.069989	0.088028	0.365618	1.10E-15	-1.64

8062041	NM_018677	ACSS2	NM_018677 // ACSS2 // acyl-CoA synthetase short-chain family member 2 // 20q11.2	0.504274	0.145806	0.23499	1.24E-15	-1.83
8110265	NM_213647	FGFR4	NM_213647 // FGFR4 // fibroblast growth factor receptor 4 // 5q35.1-qter // 2264	0.219533	0.017084	0.328633	1.24E-15	-1.87
7917649	NM_003243	TGFBR3	NM_003243 // TGFBR3 // transforming growth factor, beta receptor III // 1p33-p32	0.106274	0.019046	0.467669	1.28E-15	-1.92
8026631	NM_003950	F2RL3	NM_003950 // F2RL3 // coagulation factor II (thrombin) receptor-like 3 // 19p12	0.162588	0.191826	0.868543	1.29E-15	-2.25
8147777	NM_138455	CTHRC1	NM_138455 // CTHRC1 // collagen triple helix repeat containing 1 // 8q22.3 // 11	0.204685	0.073993	0.732393	1.37E-15	1.93
8088813	NM_001126128	PROK2	NM_001126128 // PROK2 // prokineticin 2 // 3p13 // 60675 /// NM_021935 // PROK2	0.049125	0.74033	0.611844	1.39E-15	-2.34
8006900	NM_002686	PNMT	NM_002686 // PNMT // phenylethanolamine N-methyltransferase // 17q // 5409 /// E	0.310042	0.407132	0.44768	1.40E-15	-1.73
8040238	NM_134421	HPCAL1	NM_134421 // HPCAL1 // hippocalcin-like 1 // 2p25.1 // 3241 /// NM_002149 // HPC	0.46481	0.060303	0.518242	1.64E-15	-1.73
8008900	NM_000717	CA4	NM_000717 // CA4 // carbonic anhydrase IV // 17q23 // 762 /// ENST00000300900 //	0.670179	0.005491	0.770147	1.71E-15	-1.88
8170364	NM_002025	AFF2	NM_002025 // AFF2 // AF4/FMR2 family, member 2 // Xq28 // 2334 /// NM_001169123	0.738056	0.437962	0.214515	1.77E-15	-1.77
8018379	NM_020753	CASKIN2	NM_020753 // CASKIN2 // CASK interacting protein 2 // 17q25.1 // 57513 /// NM_00	0.556971	0.131331	0.175796	1.88E-15	-1.77

8019842	NM_001071	TYMS	NM_001071 // TYMS // thymidylate synthetase // 18p11.32 // 7298 /// ENST00000323	0.000299	0.715196	0.28432	2.02E-15	2.23
7940191	NM_004177	STX3	NM_004177 // STX3 // syntaxin 3 // 11q12.1 // 6809 /// NM_001178040 // STX3 // s	0.409008	0.046481	0.293839	2.20E-15	-1.42
7902290	NM_001902	CTH	NM_001902 // CTH // cystathionase (cystathionine gamma-lyase) // 1p31.1 // 1491	0.746777	0.310447	0.506933	2.25E-15	-1.91
8056518	NM_002976	SCN7A	NM_002976 // SCN7A // sodium channel, voltage-gated, type VII, alpha // 2q21-q23	0.001565	0.081116	0.18672	2.91E-15	-2.51
7940643	NM_001083926	ASRGL1	NM_001083926 // ASRGL1 // asparaginase like 1 // 11q12.3 // 80150 /// NM_025080	0.568474	0.255348	0.212375	3.12E-15	-1.82
7931031	NM_206862	TACC2	NM_206862 // TACC2 // transforming, acidic coiled-coil containing protein 2 // 1	0.164322	0.349299	0.941253	3.15E-15	-1.94
8145555	NM_016240	SCARA3	NM_016240 // SCARA3 // scavenger receptor class A, member 3 // 8p21 // 51435 ///	0.612065	0.941937	0.042055	3.16E-15	1.61
8041781	NM_001430	EPAS1	NM_001430 // EPAS1 // endothelial PAS domain protein 1 // 2p21-p16 // 2034 /// E	0.154582	0.029569	0.189044	3.17E-15	-1.98
8072626	NM_000362	TIMP3	NM_000362 // TIMP3 // TIMP metallopeptidase inhibitor 3 // 22q12.1-q13.2|22q12.3	0.042435	0.101684	0.413614	3.46E-15	-1.62
8142554	NM_005763	AASS	NM_005763 // AASS // aminoadipate-semialdehyde synthase // 7q31.3 // 10157 /// E	0.531348	0.178246	0.540684	3.69E-15	-1.94
8126853	NM_001013732	C6orf138	NM_001013732 // C6orf138 // chromosome 6 open reading frame 138 // 6p12.3 // 442	0.001216	0.054779	0.0745829	3.76E-15	2.46

8123976	NM_018988	GFOD1	NM_018988 // GFOD1 // glucose-fructose oxidoreductase domain containing 1 // 6pt	0.252302	0.047464	0.748191	4.17E-15	-1.80
8102643	NM_001237	CCNA2	NM_001237 // CCNA2 // cyclin A2 // 4q25-q31 // 890 /// ENST00000274026 // CCNA2	0.006007	0.831515	0.248305	4.18E-15	1.65
8179221	NM_080870	DPCR1	NM_080870 // DPCR1 // diffuse panbronchiolitis critical region 1 // 6p21.33 // 1	0.05655	0.683143	0.201641	4.21E-15	-2.02
7980098	NM_005589	ALDH6A1	NM_005589 // ALDH6A1 // aldehyde dehydrogenase 6 family, member A1 // 14q24.3 //	0.49959	0.69136	0.0949309	4.23E-15	-1.73
7928107	NM_018649	H2AFY2	NM_018649 // H2AFY2 // H2A histone family, member Y2 // 10q22 // 55506 /// ENST0	0.154924	0.105097	0.611565	4.62E-15	1.48
8011062	NM_130766	INPP5K	NM_130766 // INPP5K // inositol polyphosphate-5-phosphatase K // 17p13.3 // 5176	0.635046	0.020157	0.45234	4.78E-15	-1.61
7955663	NM_170754	TENC1	NM_170754 // TENC1 // tensin like C1 domain containing phosphatase (tensin 2) //	0.058432	0.618323	0.458246	4.80E-15	-1.82
7958174	NM_003330	TXNRD1	NM_003330 // TXNRD1 // thioredoxin reductase 1 // 12q23-q24.1 // 7296 /// NM_001	0.306529	0.864036	0.668611	4.93E-15	-1.62
7955562	NM_000020	ACVRL1	NM_000020 // ACVRL1 // activin A receptor type II-like 1 // 12q11-q14 // 94 ///	0.806513	0.371156	0.293876	5.10E-15	-2.05
8077366	NM_020873	LRRN1	NM_020873 // LRRN1 // leucine rich repeat neuronal 1 // 3p26.2 // 57633 /// ENST	0.651246	0.936766	0.484772	5.14E-15	2.49
8057599	NM_006287	TFPI	NM_006287 // TFPI // tissue factor pathway inhibitor (lipoprotein-associated coa	0.285982	0.903681	0.321164	5.16E-15	-1.72

8048995	NM_030926	ITM2C	NM_030926 // ITM2C // integral membrane protein 2C // 2q37 // 81618 /// NM_00101	0.243685	0.410419	0.778293	5.41E-15	1.78
8042439	NM_032208	ANTXR1	NM_032208 // ANTXR1 // anthrax toxin receptor 1 // 2p13.1 // 84168 /// NM_053034	0.159472	0.775299	0.367299	5.50E-15	1.64
8063716	NM_030773	TUBB1	NM_030773 // TUBB1 // tubulin, beta 1 // 20q13.32 // 81027 /// ENST00000217133 /	0.49555	0.479607	0.457336	5.83E-15	-1.90
8125780	NM_054111	IP6K3	NM_054111 // IP6K3 // inositol hexakisphosphate kinase 3 // 6p21.31 // 117283 //	0.952475	0.958096	0.465691	5.98E-15	-1.45
8097098	NM_019050	USP53	NM_019050 // USP53 // ubiquitin specific peptidase 53 // 4q26 // 54532 /// ENST0	0.396669	0.502408	0.364687	6.27E-15	-2.00
7997504	NM_001257	CDH13	NM_001257 // CDH13 // cadherin 13, H-cadherin (heart) // 16q23.3 // 1012 /// ENS	0.007768	0.848401	0.88262	6.39E-15	-2.33
8022674	NM_001792	CDH2	NM_001792 // CDH2 // cadherin 2, type 1, N-cadherin (neuronal) // 18q11.2 // 100	0.46148	0.289592	0.0335855	6.89E-15	2.33
7961626	NM_134431	SLCO1A2	NM_134431 // SLCO1A2 // solute carrier organic anion transporter family, member	0.010612	0.171772	0.056282	7.20E-15	-1.74
8083978	NM_207015	NAALADL2	NM_207015 // NAALADL2 // N-acetylated alpha-linked acidic dipeptidase-like 2 //	0.800125	0.09129	0.286712	7.59E-15	1.85
7900365	NM_001136493	MFSD2A	NM_001136493 // MFSD2A // major facilitator superfamily domain containing 2A //	0.025936	0.235247	0.570628	7.70E-15	-2.51
8068671	NM_012105	BACE2	NM_012105 // BACE2 // beta-site APP-cleaving enzyme 2 // 21q22.3 // 25825 /// NM	0.002356	0.474457	0.269822	7.89E-15	1.81

7989596	NM_014326	DAPK2	NM_014326 // DAPK2 // death-associated protein kinase 2 // 15q22.31 // 23604 ///	0.034389	0.014947	0.332309	7.93E-15	-1.97
8025741	NM_001005360	DNM2	NM_001005360 // DNM2 // dynamin 2 // 19p13.2 // 1785 /// NM_001005361 // DNM2 //	0.167273	0.122637	0.83323	8.19E-15	-1.42
7909510	NM_001170580	HHAT	NM_001170580 // HHAT // hedgehog acyltransferase // 1q32 // 55733 /// NM_018194	0.949581	0.772457	0.909101	8.81E-15	1.64
7912887	NM_002403	MFAP2	NM_002403 // MFAP2 // microfibrillar-associated protein 2 // 1p36.1-p35 // 4237	0.67188	0.279504	0.727799	9.33E-15	1.74
7905664	NM_024330	SLC27A3	NM_024330 // SLC27A3 // solute carrier family 27 (fatty acid transporter), membe	0.875337	0.251105	0.725961	9.71E-15	-1.79
8118061	NM_080870	DPCR1	NM_080870 // DPCR1 // diffuse panbronchiolitis critical region 1 // 6p21.33 // 1	0.028641	0.537397	0.192218	1.03E-14	-2.07
8150889	NM_138969	SDR16C5	NM_138969 // SDR16C5 // short chain dehydrogenase/reductase family 16C, member 5	0.002708	0.246704	0.676073	1.04E-14	-2.54
8100798	NM_014465	SULT1B1	NM_014465 // SULT1B1 // sulfotransferase family, cytosolic, 1B, member 1 // 4q13	0.798102	0.890512	0.396496	1.04E-14	-2.35
8103951	NM_001995	ACSL1	NM_001995 // ACSL1 // acyl-CoA synthetase long-chain family member 1 // 4q35 //	0.061896	0.789869	0.153478	1.12E-14	-2.06
8016841	NM_001099640	TMEM100	NM_001099640 // TMEM100 // transmembrane protein 100 // 17q22 // 55273 /// NM_01	0.021758	0.089011	0.295402	1.13E-14	-4.37
7980316	NM_003239	TGFB3	NM_003239 // TGFB3 // transforming growth factor, beta 3 // 14q24 // 7043 /// EN	0.087113	0.322016	0.52223	1.13E-14	2.16

7968789	NM_014059	C13orf15	NM_014059 // C13orf15 // chromosome 13 open reading frame 15 // 13q14.11 // 2898	0.890897	0.004169	0.278587	1.18E-14	-2.21
8091385	NM_000096	CP	NM_000096 // CP // ceruloplasmin (ferroxidase) // 3q23-q25 // 1356 /// ENST00000	0.713253	0.037292	0.942669	1.18E-14	6.43
8077499	AF086709	LOH3CR2A	AF086709 // LOH3CR2A // loss of heterozygosity, 3, chromosomal region 2, gene A	0.029132	0.09491	0.299332	1.20E-14	-2.77
8019988	NM_001105244	PTPRM	NM_001105244 // PTPRM // protein tyrosine phosphatase, receptor type, M // 18p11	0.038927	0.221062	0.694695	1.23E-14	-1.67
8097991	NM_005651	TDO2	NM_005651 // TDO2 // tryptophan 2,3-dioxygenase // 4q31-q32 // 6999 /// ENST0000	0.014915	0.022895	0.390169	1.24E-14	4.09
7950473	NM_004041	ARRB1	NM_004041 // ARRB1 // arrestin, beta 1 // 11q13 // 408 /// NM_020251 // ARRB1 //	0.035052	0.01273	0.687894	1.33E-14	-1.65
8052399	NM_022893	BCL11A	NM_022893 // BCL11A // B-cell CLL/lymphoma 11A (zinc finger protein) // 2p16.1 /	0.665492	0.061598	0.594035	1.34E-14	1.70
8136080	NM_005631	SMO	NM_005631 // SMO // smoothened homolog (Drosophila) // 7q32.3 // 6608 /// ENST00	0.822259	0.113453	0.427695	1.34E-14	1.37
7921099	NM_001878	CRABP2	NM_001878 // CRABP2 // cellular retinoic acid binding protein 2 // 1q21.3 // 138	0.316995	0.533264	0.716769	1.39E-14	1.82
8097841	NM_015271	TRIM2	NM_015271 // TRIM2 // tripartite motif-containing 2 // 4q31.3 // 23321 /// NM_00	0.794137	0.625703	0.729964	1.40E-14	2.01
8040430	NM_003385	VSNL1	NM_003385 // VSNL1 // visinin-like 1 // 2p24.3 // 7447 /// ENST00000295156 // VS	0.506964	0.118522	0.392392	1.53E-14	1.86

8095080	NM_006206	PDGFRA	NM_006206 // PDGFRA // platelet-derived growth factor receptor, alpha polypeptid	0.868165	0.353529	0.828566	1.54E-14	-2.08
7998940	NM_000243	MEFV	NM_000243 // MEFV // Mediterranean fever // 16p13.3 // 4210 /// NM_001198536 //	0.229482	0.84404	0.11155	1.64E-14	-1.79
8094520	NM_032456	PCDH7	NM_032456 // PCDH7 // protocadherin 7 // 4p15 // 5099 /// NM_002589 // PCDH7 //	0.185517	0.927286	0.511955	1.65E-14	1.87
8111153	NM_012334	MYO10	NM_012334 // MYO10 // myosin X // 5p15.1-p14.3 // 4651 /// ENST00000513610 // MY	0.813807	0.010919	0.549732	1.95E-14	-1.55
7901696	NM_174936	PCSK9	NM_174936 // PCSK9 // proprotein convertase subtilisin/kexin type 9 // 1p32.3 //	0.455765	0.211582	0.670935	1.95E-14	-1.63
8036890	NM_020956	PRX	NM_020956 // PRX // periaxin // 19q13.2 // 57716 /// NM_181882 // PRX // periaxi	0.535769	0.121545	0.788182	1.96E-14	-1.74
8165947	NM_015691	WWC3	NM_015691 // WWC3 // WWC family member 3 // Xp22.32 // 55841 /// ENST00000380861	0.521578	0.048151	0.0690799	2.13E-14	-1.47
7931479	NM_005539	INPP5A	NM_005539 // INPP5A // inositol polyphosphate-5-phosphatase, 40kDa // 10q26.3 //	0.365952	0.021944	0.434842	2.23E-14	-1.42
7929511	NM_001776	ENTPD1	NM_001776 // ENTPD1 // ectonucleoside triphosphate diphosphohydrolase 1 // 10q24	0.199904	0.039005	0.394154	2.28E-14	1.59
7965156	NM_004664	LIN7A	NM_004664 // LIN7A // lin-7 homolog A (C. elegans) // 12q21 // 8825 /// ENST0000	0.367916	0.343365	0.195878	2.35E-14	-1.53
8010139	NM_001143998	SEC14L1	NM_001143998 // SEC14L1 // SEC14-like 1 (S. cerevisiae) // 17q25.2 // 6397 /// N	0.463052	0.213503	0.950261	2.39E-14	-1.54

7970924	NM_178006	STARD13	NM_178006 // STARD13 // StAR-related lipid transfer (START) domain containing 13	0.149318	0.056005	0.760711	2.42E-14	-1.70
7961102	NM_016509	CLEC1B	NM_016509 // CLEC1B // C-type lectin domain family 1, member B // 12p13.2 // 512	0.430257	0.892541	0.726783	2.70E-14	-1.57
8063444	NM_173485	TSHZ2	NM_173485 // TSHZ2 // teashirt zinc finger homeobox 2 // 20q13.2 // 128553 /// N	0.398597	0.805477	0.361465	2.71E-14	1.74
8037614	NM_005282	GPR4	NM_005282 // GPR4 // G protein-coupled receptor 4 // 19q13.3 // 2828 /// ENST000	0.279341	0.209908	0.822967	2.87E-14	-2.13
7970763	NM_002019	FLT1	NM_002019 // FLT1 // fms-related tyrosine kinase 1 (vascular endothelial growth	0.75881	0.30406	0.916559	3.06E-14	-2.06
8163637	NM_002160	TNC	NM_002160 // TNC // tenascin C // 9q33 // 3371 /// ENST00000350763 // TNC // ten	0.010034	0.016104	0.216074	3.17E-14	3.38
8109383	NM_000827	GRIA1	NM_000827 // GRIA1 // glutamate receptor, ionotropic, AMPA 1 // 5q33|5q31.1 // 2	0.002747	0.007071	0.0706125	3.24E-14	-2.98
8083599	NM_001130002	C3orf55	NM_001130002 // C3orf55 // chromosome 3 open reading frame 55 // 3q25.32 // 1520	0.00173	0.97844	0.101719	3.27E-14	-1.87
8062864	NM_003881	WISP2	NM_003881 // WISP2 // WNT1 inducible signaling pathway protein 2 // 20q13.12 //	0.27672	0.807515	0.239222	3.31E-14	-1.53
8146863	NM_001128205	SULF1	NM_001128205 // SULF1 // sulfatase 1 // 8q13.1 // 23213 /// NM_015170 // SULF1 /	0.629003	0.160292	0.90913	3.43E-14	2.56
8044882	NM_020909	EPB41L5	NM_020909 // EPB41L5 // erythrocyte membrane protein band 4.1 like 5 // 2q14.2 /	0.030369	0.056097	0.311738	3.48E-14	-1.83

8043244	NM_032827	ATOH8	NM_032827 // ATOH8 // atonal homolog 8 (Drosophila) // 2p11.2 // 84913 /// ENST0	0.070714	0.195714	0.743732	3.57E-14	-1.66
8038177	NM_182575	IZUMO1	NM_182575 // IZUMO1 // izumo sperm-egg fusion 1 // 19q13.33 // 284359 /// BC0347	0.53789	0.118223	0.0597798	3.80E-14	-1.42
8010248	NM_001010982	AFMID	NM_001010982 // AFMID // arylformamidase // 17q25.3 // 125061 /// NM_001145526 /	0.660609	0.092734	0.392163	4.12E-14	-1.38
7936968	NM_003474	ADAM12	NM_003474 // ADAM12 // ADAM metallopeptidase domain 12 // 10q26.3 // 8038 /// NM	0.202789	0.02113	0.262573	4.18E-14	2.01
7983413	NM_017434	DUOX1	NM_017434 // DUOX1 // dual oxidase 1 // 15q15.3 // 53905 /// NM_175940 // DUOX1	0.83721	0.612342	0.98688	4.28E-14	-2.23
8038899	NM_001193306	FPR1	NM_001193306 // FPR1 // formyl peptide receptor 1 // 19q13.4 // 2357 /// NM_0020	0.132209	0.504141	0.488504	4.31E-14	-2.39
7958000	NM_020244	CHPT1	NM_020244 // CHPT1 // choline phosphotransferase 1 // 12q // 56994 /// ENST00000	0.113819	0.869924	0.0496649	4.35E-14	-1.58
7914112	NM_005248	FGR	NM_005248 // FGR // Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolo	0.302747	0.881489	0.172434	4.85E-14	-1.76
8056257	NM_004460	FAP	NM_004460 // FAP // fibroblast activation protein, alpha // 2q23 // 2191 /// ENS	0.158077	0.276678	0.802078	5.01E-14	2.97
7965403	NM_002345	LUM	NM_002345 // LUM // lumican // 12q21.3-q22 // 4060 /// ENST00000266718 // LUM //	0.31225	0.949024	0.976448	5.22E-14	2.02
8077879	NM_133625	SYN2	NM_133625 // SYN2 // synapsin II // 3p25 // 6854 /// NM_003178 // SYN2 // synaps	0.682552	0.09927	0.173008	5.44E-14	-1.51

8117165	NM_003107	SOX4	NM_003107 // SOX4 // SRY (sex determining region Y)-box 4 // 6p22.3 // 6659 ///	0.469776	0.806962	0.497455	5.56E-14	1.51
7973110	NM_002934	RNASE2	NM_002934 // RNASE2 // ribonuclease, RNase A family, 2 (liver, eosinophil-derive	0.028404	0.360431	0.699675	5.64E-14	-2.15
8079060	NM_004624	VIPR1	NM_004624 // VIPR1 // vasoactive intestinal peptide receptor 1 // 3p22 // 7433 /	0.126177	0.136686	0.344265	5.81E-14	-3.85
8059071	NM_024782	NHEJ1	NM_024782 // NHEJ1 // nonhomologous end-joining factor 1 // 2q35 // 79840 /// EN	0.223354	0.79862	0.771105	5.98E-14	-1.38
7951309	NM_002427	MMP13	NM_002427 // MMP13 // matrix metallopeptidase 13 (collagenase 3) // 11q22.3 // 4	0.161402	0.002372	0.495772	6.17E-14	3.41
8172722	NM_001098800	MAGED4	NM_001098800 // MAGED4 // melanoma antigen family D, 4 // Xp11.22 // 728239 ///	0.673133	0.65724	0.53097	6.18E-14	1.43
8167673	NM_001098800	MAGED4	NM_001098800 // MAGED4 // melanoma antigen family D, 4 // Xp11.22 // 728239 ///	0.673133	0.657241	0.530969	6.18E-14	1.43
7951077	NM_144665	SESN3	NM_144665 // SESN3 // sestrin 3 // 11q21 // 143686 /// ENST00000278499 // SESN3	0.227674	0.337072	0.18967	6.23E-14	1.74
8104079	NM_005245	FAT1	NM_005245 // FAT1 // FAT tumor suppressor homolog 1 (Drosophila) // 4q35 // 2195	0.480904	0.882416	0.500247	6.24E-14	1.79
8090469	NM_032638	GATA2	NM_032638 // GATA2 // GATA binding protein 2 // 3q21.3 // 2624 /// NM_001145661	0.135281	0.430694	0.746013	6.25E-14	-1.97
8057418	NM_152520	ZNF385B	NM_152520 // ZNF385B // zinc finger protein 385B // 2q31.2-q31.3 // 151126 /// N	0.622144	0.146863	0.461177	6.72E-14	-2.44

7986132	NM_006122	MAN2A2	NM_006122 // MAN2A2 // mannosidase, alpha, class 2A, member 2 // 15q26.1 // 4122	0.702721	0.508622	0.0424612	6.85E-14	-1.44
8046048	NM_001172173	CSRNP3	NM_001172173 // CSRNP3 // cysteine-serine-rich nuclear protein 3 // 2q24.3 // 80	0.255203	0.420444	0.984508	6.87E-14	1.61
7948612	NM_013402	FADS1	NM_013402 // FADS1 // fatty acid desaturase 1 // 11q12.2-q13.1 // 3992 /// ENST0	0.701203	0.957816	0.793642	8.00E-14	-1.91
8075106	NM_003595	TPST2	NM_003595 // TPST2 // tyrosylprotein sulfotransferase 2 // 22q12.1 // 8459 /// N	0.072496	0.069323	0.532777	8.23E-14	-1.37
8059538	NM_025243	SLC19A3	NM_025243 // SLC19A3 // solute carrier family 19, member 3 // 2q37 // 80704 ///	0.124086	0.21742	0.051302	8.98E-14	-2.42
8105146	NM_153361	MGC42105	NM_153361 // MGC42105 // serine/threonine-protein kinase NIM1 // 5p12 // 167359	0.184304	0.557039	0.512194	1.02E-13	-1.43
8171359	NM_001001995	GPM6B	NM_001001995 // GPM6B // glycoprotein M6B // Xp22.2 // 2824 /// NM_001001996 //	0.005032	0.204235	0.205493	1.03E-13	-1.63
8038192	NM_000148	FUT1	NM_000148 // FUT1 // fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransfer	0.196438	0.002933	0.199682	1.14E-13	-1.45
8089544	NM_199511	CCDC80	NM_199511 // CCDC80 // coiled-coil domain containing 80 // 3q13.2 // 151887 ///	0.51957	0.600835	0.561529	1.20E-13	3.55
7908488	NM_002113	CFHR1	NM_002113 // CFHR1 // complement factor H-related 1 // 1q32 // 3078 /// BC107771	0.483138	0.110187	0.0094399	1.27E-13	1.64
8067233	NM_020182	PMEPA1	NM_020182 // PMEPA1 // prostate transmembrane protein, androgen induced 1 // 20q	0.525324	0.093567	0.182525	1.32E-13	1.42

8013243	NM_004169	SHMT1	NM_004169 // SHMT1 // serine hydroxymethyltransferase 1 (soluble) // 17p11.2 //	0.196188	0.904924	0.301052	1.34E-13	-1.49
8168622	NM_019117	KLHL4	NM_019117 // KLHL4 // kelch-like 4 (Drosophila) // Xq21.3 // 56062 /// NM_057162	0.58391	0.590762	0.293096	1.35E-13	1.78
8081081	NM_005233	EPHA3	NM_005233 // EPHA3 // EPH receptor A3 // 3p11.2 // 2042 /// NM_182644 // EPHA3 /	0.054568	0.014852	0.831154	1.36E-13	2.16
7975136	NM_178155	FUT8	NM_178155 // FUT8 // fucosyltransferase 8 (alpha (1,6) fucosyltransferase) // 14	0.89432	0.320596	0.622632	1.53E-13	1.52
7915184	NM_017821	RHBDL2	NM_017821 // RHBDL2 // rhomboid, veinlet-like 2 (Drosophila) // 1p34.3 // 54933	0.294186	0.122713	0.646733	1.59E-13	1.71
7973108	NR_033909	ECRP	NR_033909 // ECRP // ribonuclease, RNase A family, 2 (liver, eosinophil-derived	0.032478	0.407438	0.0136022	1.75E-13	-1.79
7960900	NM_014358	CLEC4E	NM_014358 // CLEC4E // C-type lectin domain family 4, member E // 12p13.31 // 26	0.879167	0.642807	0.388324	1.78E-13	-3.16
8166243	NM_004726	REPS2	NM_004726 // REPS2 // RALBP1 associated Eps domain containing 2 // Xp22.2 // 918	0.054932	0.180518	0.316854	1.78E-13	-1.58
8004741	NM_001037144	CNTROB	NM_001037144 // CNTROB // centrobin, centrosomal BRCA2 interacting protein // 17	0.988541	0.228061	0.839817	1.80E-13	-1.48
8094301	NM_004787	SLIT2	NM_004787 // SLIT2 // slit homolog 2 (Drosophila) // 4p15.2 // 9353 /// ENST0000	0.001466	0.036372	0.175169	1.81E-13	-2.22
7948167	NM_005161	APLNR	NM_005161 // APLNR // apelin receptor // 11q12 // 187 /// NR_027991 // APLNR //	0.449918	0.409591	0.896097	1.93E-13	2.04

8117020	NM_013262	MYLIP	NM_013262 // MYLIP // myosin regulatory light chain interacting protein // 6p23-	0.009011	0.174524	0.300094	1.99E-13	-1.43
8017212	NM_032582	USP32	NM_032582 // USP32 // ubiquitin specific peptidase 32 // 17q23.3 // 84669 /// EN	0.832899	0.771607	0.266272	2.01E-13	-1.39
8071420	NM_000185	SERPIND1	NM_000185 // SERPIND1 // serpin peptidase inhibitor, clade D (heparin cofactor),	0.097422	0.608744	0.642825	2.02E-13	2.58
8100393	NM_002253	KDR	NM_002253 // KDR // kinase insert domain receptor (a type III receptor tyrosine	0.436783	0.180695	0.0126076	2.09E-13	-1.76
7997726	NM_001451	FOXF1	NM_001451 // FOXF1 // forkhead box F1 // 16q24 // 2294 /// U13219 // FOXF1 // fo	0.043754	0.074802	0.465826	2.09E-13	-1.71
8081488	NM_007072	HHLA2	NM_007072 // HHLA2 // HERV-H LTR-associating 2 // 3q13.13 // 11148 /// ENST00000	0.918802	0.109085	0.591986	2.30E-13	3.17
8014768	NM_020405	PLXDC1	NM_020405 // PLXDC1 // plexin domain containing 1 // 17q21.1 // 57125 /// ENST00	0.235479	0.855283	0.57318	2.42E-13	1.58
7954645	NM_001080509	TSPAN11	NM_001080509 // TSPAN11 // tetraspanin 11 // 12p11.21 // 441631 /// ENST00000261	0.667331	0.200868	0.954291	2.49E-13	1.66
7972487	NM_015296	DOCK9	NM_015296 // DOCK9 // dedicator of cytokinesis 9 // 13q32.3 // 23348 /// NM_0011	0.074805	0.164989	0.898401	2.53E-13	-1.71
8166266	NM_198270	NHS	NM_198270 // NHS // Nance-Horan syndrome (congenital cataracts and dental anomal	0.997235	0.396787	0.731489	2.69E-13	1.52
8123006	NM_003898	SYNJ2	NM_003898 // SYNJ2 // synaptojanin 2 // 6q25.3 // 8871 /// NM_001178088 // SYNJ2	0.030959	0.319934	0.278436	2.69E-13	1.54

7915919	NM_003189	TAL1	NM_003189 // TAL1 // T-cell acute lymphocytic leukemia 1 // 1p32 // 6886 /// ENS	0.231101	0.409456	0.478198	2.79E-13	-1.56
8136557	NM_001130966	TBXAS1	NM_001130966 // TBXAS1 // thromboxane A synthase 1 (platelet) // 7q34-q35 // 691	0.935682	0.808665	0.607555	2.85E-13	-1.61
8095021	NM_145263	SPATA18	NM_145263 // SPATA18 // spermatogenesis associated 18 homolog (rat) // 4q12 // 1	0.122113	0.144516	0.968697	2.93E-13	3.80
8136709	NR_003715	LOC93432	NR_003715 // LOC93432 // maltase-glucoamylase-like pseudogene // 7q34 // 93432	0.089685	0.87267	0.125365	3.03E-13	-1.31
7960464	NM_000552	VWF	NM_000552 // VWF // von Willebrand factor // 12p13.3 // 7450 /// ENST00000261405	0.015169	0.121029	0.47742	3.16E-13	-1.89
8006459	NM_005408	CCL13	NM_005408 // CCL13 // chemokine (C-C motif) ligand 13 // 17q11.2 // 6357 /// ENS	0.875525	0.0639	0.447027	3.42E-13	2.08
8126214	NM_005943	MOCS1	NM_005943 // MOCS1 // molybdenum cofactor synthesis 1 // 6p21.3 // 4337 /// NM_0	0.018234	0.696479	0.618363	3.53E-13	-1.46
8064904	NM_017671	FERMT1	NM_017671 // FERMT1 // fermitin family member 1 // 20p12.3 // 55612 /// ENST0000	0.517774	0.488063	0.573075	3.56E-13	1.95
8023575	NM_133459	CCBE1	NM_133459 // CCBE1 // collagen and calcium binding EGF domains 1 // 18q21.32 //	0.425958	0.027167	0.38363	3.57E-13	-1.91
7904226	NM_018420	SLC22A15	NM_018420 // SLC22A15 // solute carrier family 22, member 15 // 1p13.1 // 55356	0.278809	0.935832	0.0497253	3.59E-13	-1.62
8057394	NM_178123	SESTD1	NM_178123 // SESTD1 // SEC14 and spectrin domains 1 // 2q31.2 // 91404 /// ENST0	0.013164	0.05171	0.662223	3.74E-13	-1.43

8088415	NM_007177	FAM107A	NM_007177 // FAM107A // family with sequence similarity 107, member A // 3p21.1	0.219926	0.053065	0.445425	4.09E-13	-1.80
8036913	NM_000713	BLVRB	NM_000713 // BLVRB // biliverdin reductase B (flavin reductase (NADPH)) // 19q13	0.0074	0.069343	0.916348	4.13E-13	-1.38
8126855	NM_207499	C6orf138	NM_207499 // C6orf138 // chromosome 6 open reading frame 138 // 6p12.3 // 442213	0.242594	0.589476	0.0509956	4.20E-13	1.52
7927277	NM_014696	GPRIN2	NM_014696 // GPRIN2 // G protein regulated inducer of neurite outgrowth 2 // 10q	0.618057	0.254966	0.180395	4.25E-13	-1.59
8129071	NM_002031	FRK	NM_002031 // FRK // fyn-related kinase // 6q21-q22.3 // 2444 /// ENST00000368626	0.813486	0.05449	0.473421	4.45E-13	1.76
8154135	NM_004170	SLC1A1	NM_004170 // SLC1A1 // solute carrier family 1 (neuronal/epithelial high affinit	0.012323	0.10418	0.0199346	4.56E-13	-2.42
8125383	NM_004557	NOTCH4	NM_004557 // NOTCH4 // notch 4 // 6p21.3 // 4855 /// NM_022107 // GPSM3 // G-pro	0.221784	0.194257	0.348347	4.65E-13	-1.94
8022531	NM_000271	NPC1	NM_000271 // NPC1 // Niemann-Pick disease, type C1 // 18q11-q12 // 4864 /// ENST	0.674213	0.481834	0.0432682	4.76E-13	-1.61
7922756	NM_015039	NMNAT2	NM_015039 // NMNAT2 // nicotinamide nucleotide adenylyltransferase 2 // 1q25 //	0.747312	0.769673	0.776473	5.25E-13	1.51
8134460	AK054626	FLJ30064	AK054626 // FLJ30064 // hypothetical protein LOC644975 // 7q21.3 // 644975	0.045261	0.230375	0.650974	5.55E-13	-1.80
8151684	ENST00000286614	MMP16	ENST00000286614 // MMP16 // matrix metallopeptidase 16 (membrane-inserted) // 8q	0.836242	0.30161	0.344782	5.78E-13	2.20
8047763	---		---	0.881897	0.044733	0.130982	5.78E-13	1.99

8122071	NM_005021	ENPP3	NM_005021 // ENPP3 // ectonucleotide pyrophosphatase/phosphodiesterase 3 // 6q22	0.370842	0.446789	0.949589	5.81E-13	1.71
8074569	ENST00000443409	DGCR6L	ENST00000443409 // DGCR6L // DiGeorge syndrome critical region gene 6-like // 22	0.787384	0.000275	0.3024	5.85E-13	-1.58
7967034	NM_000928	PLA2G1B	NM_000928 // PLA2G1B // phospholipase A2, group IB (pancreas) // 12q23-q24.1 //	0.592742	0.049245	0.198533	6.01E-13	-3.27
8166797	NM_021242	MID1IP1	NM_021242 // MID1IP1 // MID1 interacting protein 1 (gastrulation specific G12 ho	0.167238	0.091086	0.464388	6.14E-13	-1.51
8117243	NM_017640	LRRC16A	NM_017640 // LRRC16A // leucine rich repeat containing 16A // 6p22.2 // 55604 //	0.250254	0.461575	0.868421	6.44E-13	-1.52
7978407	NM_002742	PRKD1	NM_002742 // PRKD1 // protein kinase D1 // 14q11 // 5587 /// ENST00000331968 //	0.027947	0.470862	0.511969	6.56E-13	-1.58
8159354	NM_016215	EGFL7	NM_016215 // EGFL7 // EGF-like-domain, multiple 7 // 9q34.3 // 51162 /// NM_2014	0.731058	0.210051	0.189762	6.88E-13	-1.50
8145227	NM_001160036	RHOBTB2	NM_001160036 // RHOBTB2 // Rho-related BTB domain containing 2 // 8p21.3 // 2322	0.055199	0.201734	0.378678	6.92E-13	-1.70
8061247	NM_018993	RIN2	NM_018993 // RIN2 // Ras and Rab interactor 2 // 20p11.22 // 54453 /// ENST00000	0.270075	0.162292	0.85086	7.01E-13	-1.39
7972650	NM_175929	FGF14	NM_175929 // FGF14 // fibroblast growth factor 14 // 13q34 // 2259 /// NM_004115	0.012253	0.324335	0.461267	7.40E-13	2.39
8043697	NM_025190	ANKRD36B	NM_025190 // ANKRD36B // ankyrin repeat domain 36B // 2q11.2 // 57730 /// NM_001	0.002027	0.110991	0.21482	7.54E-13	1.84

7905428	NM_020127	TUFT1	NM_020127 // TUFT1 // tuftelin 1 // 1q21 // 7286 /// NM_001126337 // TUFT1 // tu	0.666271	0.04074	0.002506	7.59E-13	-1.53
7934185	NM_022153	C10orf54	NM_022153 // C10orf54 // chromosome 10 open reading frame 54 // 10q22.1 // 64115	0.120004	0.079639	0.795302	7.73E-13	-1.40
8104422	NM_002454	MTRR	NM_002454 // MTRR // 5-methyltetrahydrofolate-homocysteine methyltransferase red	0.160793	0.368819	0.300668	7.77E-13	-1.47
7919699	NM_020205	OTUD7B	NM_020205 // OTUD7B // OTU domain containing 7B // 1q21.2 // 56957 /// ENST00000	0.148736	0.227108	0.790613	8.41E-13	-1.44
8098060	NM_021634	RXFP1	NM_021634 // RXFP1 // relaxin/insulin-like family peptide receptor 1 // 4q32.1 /	0.078933	0.1916	0.200606	8.43E-13	-2.57
7940333	NM_001098835	MS4A15	NM_001098835 // MS4A15 // membrane-spanning 4-domains, subfamily A, member 15 //	0.030144	0.074682	0.358065	9.18E-13	-2.77
8084766	NM_003722	TP63	NM_003722 // TP63 // tumor protein p63 // 3q28 // 8626 /// NM_001114978 // TP63	0.774225	0.585081	0.855383	9.75E-13	2.66
8060963	NM_003081	SNAP25	NM_003081 // SNAP25 // synaptosomal-associated protein, 25kDa // 20p12-p11.2 //	0.406856	0.495753	0.672582	1.06E-12	1.60
8162404	NM_001197296	ECM2	NM_001197296 // ECM2 // extracellular matrix protein 2, female organ and adipocy	0.001786	0.985788	0.337991	1.08E-12	2.00
7915500	NM_182517	C1orf210	NM_182517 // C1orf210 // chromosome 1 open reading frame 210 // 1p34.2 // 149466	0.245292	0.155208	0.326601	1.11E-12	-1.48
7926334	NM_018324	OLAH	NM_018324 // OLAH // oleoyl-ACP hydrolase // 10p13 // 55301 /// NM_001039702 //	0.381666	0.533229	0.267196	1.11E-12	-1.70

8099721	NM_015187	SEL1L3	NM_015187 // SEL1L3 // sel-1 suppressor of lin-12-like 3 (C. elegans) // 4p15.2	0.450498	0.82396	0.416604	1.11E-12	1.68
8050537	NM_002381	MATN3	NM_002381 // MATN3 // matrilin 3 // 2p24-p23 // 4148 /// ENST00000407540 // MATN	0.313556	0.08164	0.80765	1.13E-12	-1.98
8088491	NM_003716	CADPS	NM_003716 // CADPS // Ca++-dependent secretion activator // 3p14.2 // 8618 /// N	0.043373	0.038577	0.886666	1.18E-12	1.40
7980908	NM_006329	FBLN5	NM_006329 // FBLN5 // fibulin 5 // 14q32.1 // 10516 /// ENST00000342058 // FBLN5	0.123625	0.067904	0.0923017	1.18E-12	-1.68
7952436	NM_138961	ESAM	NM_138961 // ESAM // endothelial cell adhesion molecule // 11q24.2 // 90952 ///	0.643446	0.10152	0.572118	1.21E-12	-1.82
8146967	NM_031461	CRISPLD1	NM_031461 // CRISPLD1 // cysteine-rich secretory protein LCCL domain containing	0.226801	0.152202	0.90749	1.22E-12	2.21
7979085	NM_002863	PYGL	NM_002863 // PYGL // phosphorylase, glycogen, liver // 14q21-q22 // 5836 /// NM_	0.018411	0.76429	0.208042	1.28E-12	-1.47
7928705	NM_030927	TSPAN14	NM_030927 // TSPAN14 // tetraspanin 14 // 10q23.1 // 81619 /// NM_001128309 // T	0.057444	0.577691	0.737711	1.32E-12	-1.38
7954559	NM_003622	PPFIBP1	NM_003622 // PPFIBP1 // PTPRF interacting protein, binding protein 1 (liprin bet	0.003641	0.11784	0.462007	1.34E-12	-1.62
8104234	NM_004237	TRIP13	NM_004237 // TRIP13 // thyroid hormone receptor interactor 13 // 5p15.33 // 9319	0.004841	0.044362	0.455893	1.38E-12	1.50
7992293	NM_024600	TMEM204	NM_024600 // TMEM204 // transmembrane protein 204 // 16p13.3 // 79652 /// ENST00	0.247894	0.453364	0.906782	1.44E-12	-1.70

8107594	NM_005460	SNCAIP	NM_005460 // SNCAIP // synuclein, alpha interacting protein // 5q23.2 // 9627 //	0.82798	0.119322	0.922512	1.49E-12	1.58
8153002	NM_001135242	NDRG1	NM_001135242 // NDRG1 // N-myc downstream regulated 1 // 8q24.3 // 10397 /// NM_	0.361025	0.001801	0.508065	1.53E-12	-1.38
7996341	NM_020786	PDP2	NM_020786 // PDP2 // pyruvate dehyrogenase phosphatase catalytic subunit 2 // 16	0.251363	0.660282	0.725348	1.56E-12	-1.46
8105828	NM_031966	CCNB1	NM_031966 // CCNB1 // cyclin B1 // 5q12 // 891 /// ENST00000256442 // CCNB1 // c	0.02333	0.237276	0.273105	1.58E-12	1.75
7992811	NM_022468	MMP25	NM_022468 // MMP25 // matrix metallopeptidase 25 // 16p13.3 // 64386 /// ENST000	0.062382	0.898803	0.0889712	1.59E-12	-1.50
7918857	NM_005725	TSPAN2	NM_005725 // TSPAN2 // tetraspanin 2 // 1p13.2 // 10100 /// ENST00000369516 // T	0.11251	0.160167	0.218268	1.62E-12	1.65
7999319	NM_014316	CARHSP1	NM_014316 // CARHSP1 // calcium regulated heat stable protein 1, 24kDa // 16p13.	0.879619	0.002878	0.707062	1.64E-12	-1.35
8105121	NM_000163	GHR	NM_000163 // GHR // growth hormone receptor // 5p13-p12 // 2690 /// ENST00000230	0.023671	0.385767	0.472189	1.75E-12	-1.61
8030999	NM_018555	ZNF331	NM_018555 // ZNF331 // zinc finger protein 331 // 19q13.42 // 55422 /// NM_00107	0.536408	0.052346	0.359616	1.96E-12	-1.57
8018439	NM_005324	H3F3B	NM_005324 // H3F3B // H3 histone, family 3B (H3.3B) // 17q25 // 3021 /// BX53737	0.390836	0.594509	0.236067	2.08E-12	-1.37
8131666	NM_002214	ITGB8	NM_002214 // ITGB8 // integrin, beta 8 // 7p21.1 // 3696 /// ENST00000222573 //	0.246252	0.263522	0.608421	2.17E-12	2.10

8154692	NM_000459	TEK	NM_000459 // TEK // TEK tyrosine kinase, endothelial // 9p21 // 7010 /// BC03551	0.021586	0.216318	0.0725323	2.24E-12	-2.26
8005839	NM_014573	TMEM97	NM_014573 // TMEM97 // transmembrane protein 97 // 17q11.2 // 27346 /// ENST0000	0.477146	0.406316	0.216919	2.24E-12	-1.55
7988093	NM_001141980	TP53BP1	NM_001141980 // TP53BP1 // tumor protein p53 binding protein 1 // 15q15-q21 // 7	0.362366	0.173069	0.886096	2.28E-12	1.44
8102468	NM_003619	PRSS12	NM_003619 // PRSS12 // protease, serine, 12 (neurotrypsin, motopsin) // 4q28.1 /	0.013748	0.269025	0.785135	2.30E-12	2.68
8083494	NM_007288	MME	NM_007288 // MME // membrane metallo-endopeptidase // 3q25.1-q25.2 // 4311 /// N	0.020592	0.137892	0.0642235	2.34E-12	-2.53
8077970	NM_001004019	FBLN2	NM_001004019 // FBLN2 // fibulin 2 // 3p25.1 // 2199 /// NM_001998 // FBLN2 // f	0.68643	0.269456	0.6915	2.35E-12	1.74
7979400	AK292513	C14orf37	AK292513 // C14orf37 // chromosome 14 open reading frame 37 // 14q23.1 // 145407	0.2145	0.282692	0.503303	2.40E-12	1.37
8162373	NM_033014	OGN	NM_033014 // OGN // osteoglycin // 9q22 // 4969 /// NM_014057 // OGN // osteogly	0.181578	0.602668	0.764074	2.44E-12	2.23
8090343	NM_014079	KLF15	NM_014079 // KLF15 // Kruppel-like factor 15 // 3q13-q21 // 28999 /// ENST000002	0.294303	0.183902	0.936679	2.45E-12	-1.68
8112376	NM_022145	CENPK	NM_022145 // CENPK // centromere protein K // 5p15.2-q12.3 // 64105 /// ENST0000	0.381616	0.004907	0.203404	2.49E-12	1.79
7986446	NM_000693	ALDH1A3	NM_000693 // ALDH1A3 // aldehyde dehydrogenase 1 family, member A3 // 15q26.3 //	0.053637	0.074421	0.823801	2.56E-12	1.88

8149116	NM_005217	DEFA3	NM_005217 // DEFA3 // defensin, alpha 3, neutrophil-specific // 8p23.1 // 1668 /	0.640018	0.468114	0.289564	2.58E-12	-3.80
8149126	NM_005217	DEFA3	NM_005217 // DEFA3 // defensin, alpha 3, neutrophil-specific // 8p23.1 // 1668 /	0.640018	0.468114	0.289564	2.58E-12	-3.80
8073068	NM_014508	APOBEC3C	NM_014508 // APOBEC3C // apolipoprotein B mRNA editing enzyme, catalytic polypep	0.208623	0.423589	0.216488	2.63E-12	1.47
7932326	NM_001081	CUBN	NM_001081 // CUBN // cubilin (intrinsic factor-cobalamin receptor) // 10p12.31 /	0.095636	0.352437	0.118703	2.66E-12	1.57
7909866	NM_017898	MOSC2	NM_017898 // MOSC2 // MOCO sulphurase C-terminal domain containing 2 // 1q41 //	0.122089	0.153877	0.846011	2.75E-12	-1.44
8140371	NM_031925	TMEM120A	NM_031925 // TMEM120A // transmembrane protein 120A // 7q11.23 // 83862 /// BC02	0.069943	0.209052	0.562099	2.77E-12	-1.33
8123137	NM_005891	ACAT2	NM_005891 // ACAT2 // acetyl-CoA acetyltransferase 2 // 6q25.3 // 39 /// ENST000	0.47733	0.708689	0.351023	2.81E-12	-1.87
8164252	NM_170600	SH2D3C	NM_170600 // SH2D3C // SH2 domain containing 3C // 9q34.11 // 10044 /// NM_00548	0.227066	0.219503	0.408971	2.89E-12	-1.67
8013965	NM_033389	SSH2	NM_033389 // SSH2 // slingshot homolog 2 (Drosophila) // 17q11.2 // 85464 /// EN	0.83734	0.822675	0.5684	2.93E-12	-1.66
7950555	NM_001128922	LRRC32	NM_001128922 // LRRC32 // leucine rich repeat containing 32 // 11q13.5-q14 // 26	0.998412	0.610329	0.136649	2.94E-12	-1.94
8123936	NM_001142393	NEDD9	NM_001142393 // NEDD9 // neural precursor cell expressed, developmentally down-r	0.93803	0.035044	0.984628	2.95E-12	-1.77

7935613	NM_021828	HPSE2	NM_021828 // HPSE2 // heparanase 2 // 10q23-q24 // 60495 /// NM_001166246 // HPS	0.366092	0.711706	0.0070627	3.03E-12	2.03
8020551	NM_198129	LAMA3	NM_198129 // LAMA3 // laminin, alpha 3 // 18q11.2 // 3909 /// NM_001127717 // LA	0.194723	0.047285	0.502957	3.06E-12	-2.00
8105348	NM_001008397	GPX8	NM_001008397 // GPX8 // glutathione peroxidase 8 (putative) // 5q11.2 // 493869	0.947694	0.135564	0.585984	3.08E-12	2.04
7954527	NM_020183	ARNTL2	NM_020183 // ARNTL2 // aryl hydrocarbon receptor nuclear translocator-like 2 //	0.001498	0.015104	0.396554	3.21E-12	1.82
8100507	NM_001145460	HOPX	NM_001145460 // HOPX // HOP homeobox // 4q12 // 84525 /// NM_032495 // HOPX // H	0.728696	0.019148	0.218661	3.29E-12	-1.69
8081838	NM_020754	ARHGAP31	NM_020754 // ARHGAP31 // Rho GTPase activating protein 31 // 3q13.33 // 57514 //	0.283898	0.50912	0.41401	3.32E-12	-1.72
7923332	NM_000364	TNNT2	NM_000364 // TNNT2 // troponin T type 2 (cardiac) // 1q32 // 7139 /// NM_0010014	0.005246	0.634931	0.445726	3.32E-12	-1.51
7988380	NM_144565	DUOXA1	NM_144565 // DUOXA1 // dual oxidase maturation factor 1 // 15q21.1 // 90527 ///	0.89433	0.578172	0.495787	3.34E-12	-1.65
7968556	NM_004795	KL	NM_004795 // KL // klotho // 13q12 // 9365 /// ENST00000380099 // KL // klotho /	0.155751	0.173538	0.391641	3.46E-12	-1.67
7953200	NM_001759	CCND2	NM_001759 // CCND2 // cyclin D2 // 12p13 // 894 /// ENST00000261254 // CCND2 //	0.91119	0.817482	0.0915709	3.49E-12	1.48
8014974	NM_001067	TOP2A	NM_001067 // TOP2A // topoisomerase (DNA) II alpha 170kDa // 17q21-q22 // 7153 /	0.00212	0.869764	0.45444	3.52E-12	2.02

7984353	NR_027654	SMAD6	NR_027654 // SMAD6 // SMAD family member 6 // 15q21-q22 // 4091 /// NM_005585 //	0.159776	0.479763	0.291765	3.56E-12	-2.55
7917370	NM_152890	COL24A1	NM_152890 // COL24A1 // collagen, type XXIV, alpha 1 // 1p22.3 // 255631 /// ENS	0.163424	0.341465	0.605141	3.61E-12	1.37
8020164	NM_182978	GNAL	NM_182978 // GNAL // guanine nucleotide binding protein (G protein), alpha activ	0.307337	0.298657	0.576933	3.63E-12	1.90
8023710	NM_021153	CDH19	NM_021153 // CDH19 // cadherin 19, type 2 // 18q22.1 // 28513 /// ENST0000026215	0.370562	0.11259	0.116695	3.63E-12	-1.57
7963427	NM_000424	KRT5	NM_000424 // KRT5 // keratin 5 // 12q // 3852 /// ENST00000252242 // KRT5 // ker	0.879529	0.422422	0.986608	3.67E-12	5.78
8149137	NM_005217	DEFA3	NM_005217 // DEFA3 // defensin, alpha 3, neutrophil-specific // 8p23.1 // 1668 /	0.614266	0.38986	0.288829	3.95E-12	-3.44
8074131	NM_001080420	SHANK3	NM_001080420 // SHANK3 // SH3 and multiple ankyrin repeat domains 3 // 22q13.3 /	0.324015	0.31282	0.0439146	4.06E-12	-1.59
7941236	NM_006779	CDC42EP2	NM_006779 // CDC42EP2 // CDC42 effector protein (Rho GTPase binding) 2 // 11q13	0.28206	0.204927	0.740006	4.11E-12	-1.44
7922807	NM_015101	GLT25D2	NM_015101 // GLT25D2 // glycosyltransferase 25 domain containing 2 // 1q25 // 23	0.0017	0.589092	0.0258101	4.15E-12	-1.58
8139891	NM_016038	SBDS	NM_016038 // SBDS // Shwachman-Bodian-Diamond syndrome // 7q11.21 // 51119 /// E	0.240702	0.089726	0.369085	4.24E-12	-1.47
8075529	NM_014338	PISD	NM_014338 // PISD // phosphatidylserine decarboxylase // 22q12.2 // 23761 /// EN	0.010271	0.856755	0.729234	4.38E-12	-1.31

7983228	NM_002373	MAP1A	NM_002373 // MAP1A // microtubule-associated protein 1A // 15q15.3 // 4130 /// E	0.717149	0.06842	0.654069	4.50E-12	2.04
7974835	NM_006255	PRKCH	NM_006255 // PRKCH // protein kinase C, eta // 14q23.1 // 5583 /// ENST000003329	0.222465	0.009368	0.571953	4.62E-12	-1.38
8058905	NM_000634	CXCR1	NM_000634 // CXCR1 // chemokine (C-X-C motif) receptor 1 // 2q35 // 3577 /// ENS	0.165556	0.504156	0.993887	4.85E-12	-1.80
7985268	NM_000137	FAH	NM_000137 // FAH // fumarylacetoacetate hydrolase (fumarylacetoacetase) // 15q23	0.002326	0.571505	0.939896	4.90E-12	-1.43
8175195	NM_001077188	HS6ST2	NM_001077188 // HS6ST2 // heparan sulfate 6-O-sulfotransferase 2 // Xq26.2 // 90	0.28279	0.473869	0.57842	4.95E-12	1.51
8004057	NM_006612	KIF1C	NM_006612 // KIF1C // kinesin family member 1C // 17p13.2 // 10749 /// ENST00000	0.721191	0.010036	0.482063	5.30E-12	-1.40
7950671	NM_080491	GAB2	NM_080491 // GAB2 // GRB2-associated binding protein 2 // 11q14.1 // 9846 /// NM	0.275657	0.076055	0.74443	5.50E-12	-1.51
7978712	NM_175060	CLEC14A	NM_175060 // CLEC14A // C-type lectin domain family 14, member A // 14q21.1 // 1	0.296013	0.031917	0.409791	5.97E-12	-1.81
7957665	NM_005230	ELK3	NM_005230 // ELK3 // ELK3, ETS-domain protein (SRF accessory protein 2) // 12q23	0.008529	0.212315	0.474481	6.05E-12	1.36
8141328	NR_033807	CYP3A5	NR_033807 // CYP3A5 // cytochrome P450, family 3, subfamily A, polypeptide 5 //	0.010094	0.425634	0.652937	6.38E-12	-2.15
8107532	NM_000414	HSD17B4	NM_000414 // HSD17B4 // hydroxysteroid (17-beta) dehydrogenase 4 // 5q21 // 3295	0.22522	0.999497	0.52216	6.65E-12	-1.45

8134263	NM_000089	COL1A2	NM_000089 // COL1A2 // collagen, type I, alpha 2 // 7q22.1 // 1278 /// ENST00000	0.347242	0.306125	0.447507	6.72E-12	2.05
7931097	NM_002775	HTRA1	NM_002775 // HTRA1 // HtrA serine peptidase 1 // 10q26.3 // 5654 /// ENST0000036	0.077737	0.963015	0.434032	6.75E-12	1.43
7953873	BX647938	OVOS	BX647938 // OVOS // ovostatin // 12p13 // 408186 /// BC039117 // OVOS2 // ovosta	0.559955	0.748913	0.119729	6.86E-12	2.07
7982366	NM_001144757	SCG5	NM_001144757 // SCG5 // secretogranin V (7B2 protein) // 15q13-q14 // 6447 /// N	0.036959	0.108345	0.0800265	7.03E-12	1.41
8054377	NM_201555	FHL2	NM_201555 // FHL2 // four and a half LIM domains 2 // 2q12.2 // 2274 /// NM_0014	0.356173	0.936408	0.922377	7.44E-12	1.60
7966690	NM_016569	TBX3	NM_016569 // TBX3 // T-box 3 // 12q24.1 // 6926 /// NM_005996 // TBX3 // T-box 3	0.21728	0.187807	0.336911	7.61E-12	-1.96
8138504	NM_012294	RAPGEF5	NM_012294 // RAPGEF5 // Rap guanine nucleotide exchange factor (GEF) 5 // 7p15.3	0.19414	0.217379	0.273903	7.79E-12	-2.14
7912496	NM_005957	MTHFR	NM_005957 // MTHFR // methylenetetrahydrofolate reductase (NAD(P)H) // 1p36.3 //	0.577002	0.030905	0.423673	7.84E-12	-1.34
7961026	BX647938	OVOS	BX647938 // OVOS // ovostatin // 12p13 // 408186 /// BC039117 // OVOS2 // ovosta	0.596922	0.828906	0.104792	7.96E-12	2.13
8018449	NM_199242	UNC13D	NM_199242 // UNC13D // unc-13 homolog D (C. elegans) // 17q25.1 // 201294 /// EN	0.555071	0.157282	0.951052	7.98E-12	-1.49
8148591	NM_178172	GPIHBP1	NM_178172 // GPIHBP1 // glycosylphosphatidylinositol anchored high density lipop	0.792144	0.167857	0.452334	8.23E-12	-1.72

7930894	NM_005308	GRK5	NM_005308 // GRK5 // G protein-coupled receptor kinase 5 // 10q26.11 // 2869 ///	0.014437	0.09254	0.162505	8.33E-12	-1.78
7924686	NM_152608	C1orf55	NM_152608 // C1orf55 // chromosome 1 open reading frame 55 // 1q42.12 // 163859	0.315083	0.628074	0.443855	8.60E-12	-1.49
8082667	NR_033268	NUDT16	NR_033268 // NUDT16 // nudix (nucleoside diphosphate linked moiety X)-type motif	0.014943	0.150555	0.345339	8.67E-12	-1.42
8032926	NM_002850	PTPRS	NM_002850 // PTPRS // protein tyrosine phosphatase, receptor type, S // 19p13.3	0.014928	0.086911	0.480237	9.04E-12	-1.50
7978376	NM_014178	STXBP6	NM_014178 // STXBP6 // syntaxin binding protein 6 (amisyn) // 14q12 // 29091 ///	0.527967	0.043522	0.241758	9.17E-12	-2.23
7947512	NM_015430	PAMR1	NM_015430 // PAMR1 // peptidase domain containing associated with muscle regener	0.592354	0.353737	0.363404	9.49E-12	2.04
8059955	NM_022449	RAB17	NM_022449 // RAB17 // RAB17, member RAS oncogene family // 2q37.3 // 64284 /// N	0.982247	0.061016	0.845885	9.50E-12	-1.49
7952752	NM_007037	ADAMTS8	NM_007037 // ADAMTS8 // ADAM metallopeptidase with thrombospondin type 1 motif,	0.608663	0.411931	0.370447	9.96E-12	-1.63
8077490	NM_014583	LMCD1	NM_014583 // LMCD1 // LIM and cysteine-rich domains 1 // 3p26-p24 // 29995 /// E	0.294638	0.019195	0.261613	1.00E-11	-1.71
8090823	NM_005630	SLCO2A1	NM_005630 // SLCO2A1 // solute carrier organic anion transporter family, member	0.333865	0.597337	0.579561	1.01E-11	-2.35
8134051	NM_001039706	C7orf63	NM_001039706 // C7orf63 // chromosome 7 open reading frame 63 // 7q21.13 // 7984	0.276405	0.133466	0.809628	1.07E-11	2.25

8132318	NM_018685	ANLN	NM_018685 // ANLN // anillin, actin binding protein // 7p15-p14 // 54443 /// ENS	0.005829	0.380518	0.327084	1.07E-11	2.00
8007420	NM_003734	AOC3	NM_003734 // AOC3 // amine oxidase, copper containing 3 (vascular adhesion prote	0.054481	0.379835	0.381901	1.08E-11	-1.63
8083471	NM_015595	ARHGEF26	NM_015595 // ARHGEF26 // Rho guanine nucleotide exchange factor (GEF) 26 // 3q25	0.047423	0.139717	0.788186	1.08E-11	-1.97
7951271	NM_002421	MMP1	NM_002421 // MMP1 // matrix metallopeptidase 1 (interstitial collagenase) // 11q	0.078438	0.266318	0.349474	1.12E-11	7.66
8103025	NM_178835	ZNF827	NM_178835 // ZNF827 // zinc finger protein 827 // 4q31.22 // 152485 /// BC117407	0.333076	0.351965	0.905043	1.17E-11	1.43
8010915	NM_182705	FAM101B	NM_182705 // FAM101B // family with sequence similarity 101, member B // 17p13 /	0.162231	0.319628	0.913009	1.21E-11	-1.52
8055038	NM_017980	LIMS2	NM_017980 // LIMS2 // LIM and senescent cell antigen-like domains 2 // 2q14.3 //	0.076087	0.289685	0.0793655	1.21E-11	-1.54
8161701	NM_013390	TMEM2	NM_013390 // TMEM2 // transmembrane protein 2 // 9q13-q21 // 23670 /// NM_001135	0.144584	0.308845	0.256772	1.24E-11	-2.04
7950391	NM_173582	PGM2L1	NM_173582 // PGM2L1 // phosphoglucomutase 2-like 1 // 11q13.4 // 283209 /// ENST	0.63449	0.028516	0.411661	1.28E-11	1.89
8173299	NM_021783	EDA2R	NM_021783 // EDA2R // ectodysplasin A2 receptor // Xq12 // 60401 /// ENST0000037	0.002109	0.412138	0.465551	1.28E-11	1.44
8046428	NM_007023	RAPGEF4	NM_007023 // RAPGEF4 // Rap guanine nucleotide exchange factor (GEF) 4 // 2q31-q	0.45234	0.122821	0.353408	1.30E-11	-1.65

8059905	NM_004369	COL6A3	NM_004369 // COL6A3 // collagen, type VI, alpha 3 // 2q37 // 1293 /// NM_057167	0.224806	0.083998	0.592143	1.39E-11	2.15
8080810	NM_002841	PTPRG	NM_002841 // PTPRG // protein tyrosine phosphatase, receptor type, G // 3p21-p14	0.898934	0.369229	0.694997	1.39E-11	-1.63
7963760	NM_001136023	NFE2	NM_001136023 // NFE2 // nuclear factor (erythroid-derived 2), 45kDa // 12q13 //	0.505879	0.529081	0.447931	1.56E-11	-1.42
8062782	NM_032883	TOX2	NM_032883 // TOX2 // TOX high mobility group box family member 2 // 20q13.12 //	0.480007	0.724175	0.440109	1.58E-11	-1.43
8081503	NM_014648	DZIP3	NM_014648 // DZIP3 // DAZ interacting protein 3, zinc finger // 3q13.13 // 9666	0.055424	0.014334	0.862705	1.58E-11	2.34
7923453	NM_006618	KDM5B	NM_006618 // KDM5B // lysine (K)-specific demethylase 5B // 1q32.1 // 10765 ///	0.563065	0.470079	0.163773	1.61E-11	1.33
8157524	NR_024168	TLR4	NR_024168 // TLR4 // toll-like receptor 4 // 9q33.1 // 7099 /// NM_138554 // TLR	0.880472	0.850746	0.407496	1.62E-11	-1.58
8046895	NM_177454	FAM171B	NM_177454 // FAM171B // family with sequence similarity 171, member B // 2q32.1	0.765734	0.822476	0.741035	1.66E-11	1.66
8004221	NM_000697	ALOX12	NM_000697 // ALOX12 // arachidonate 12-lipoxygenase // 17p13.1 // 239 /// ENST00	0.313871	0.94331	0.0181174	1.68E-11	-1.33
8085774	NM_024697	ZNF385D	NM_024697 // ZNF385D // zinc finger protein 385D // 3p24.3 // 79750 /// ENST0000	0.662579	0.332641	0.0416397	1.69E-11	2.52
8006415	NM_015544	TMEM98	NM_015544 // TMEM98 // transmembrane protein 98 // 17q11.2 // 26022 /// NM_00103	0.198981	0.113231	0.602828	1.70E-11	1.35
8149725	NM_144962	PEBP4	NM_144962 // PEBP4 // phosphatidylethanolamine-binding protein 4 // 8p21.3 // 15	0.597146	0.009561	0.25601	1.72E-11	-3.00

8119000	NM_001315	MAPK14	NM_001315 // MAPK14 // mitogen-activated protein kinase 14 // 6p21.3-p21.2 // 14	0.814299	0.41257	0.709213	1.75E-11	-1.34
7933298	NM_031912	SYT15	NM_031912 // SYT15 // synaptotagmin XV // 10q11.1 // 83849 /// NM_181519 // SYT1	0.220531	0.182001	0.297352	1.77E-11	-1.70
8058670	NM_016260	IKZF2	NM_016260 // IKZF2 // IKAROS family zinc finger 2 (Helios) // 2q34 // 22807 ///	0.116478	0.222922	0.433691	1.88E-11	1.57
7950885	NM_012193	FZD4	NM_012193 // FZD4 // frizzled homolog 4 (Drosophila) // 11q14.2 // 8322 /// ENST	0.002334	0.006123	0.752053	1.89E-11	-1.58
8071069	NM_014339	IL17RA	NM_014339 // IL17RA // interleukin 17 receptor A // 22q11.1 // 23765 /// ENST000	0.095916	0.776803	0.403033	1.91E-11	-1.41
8165974	NM_001830	CLCN4	NM_001830 // CLCN4 // chloride channel 4 // Xp22.3 // 1183 /// ENST00000380833 /	0.421001	0.212808	0.23002	1.92E-11	-1.51
8090314	NM_012190	ALDH1L1	NM_012190 // ALDH1L1 // aldehyde dehydrogenase 1 family, member L1 // 3q21.3 //	0.380418	0.659321	0.261032	1.93E-11	-1.35
8049349	NM_000463	UGT1A1	NM_000463 // UGT1A1 // UDP glucuronosyltransferase 1 family, polypeptide A1 // 2	0.617006	0.702205	0.936825	1.97E-11	2.37
8071086	NM_031413	CECR2	NM_031413 // CECR2 // cat eye syndrome chromosome region, candidate 2 // 22q11.2	0.189624	0.075453	0.419361	1.98E-11	-1.68
8074473	NM_001130861	CLDN5	NM_001130861 // CLDN5 // claudin 5 // 22q11.21 // 7122 /// NM_003277 // CLDN5 //	0.077477	0.016227	0.348362	1.99E-11	-1.42
7974316	NM_001042481	FRMD6	NM_001042481 // FRMD6 // FERM domain containing 6 // 14q22.1 // 122786 /// NM_15	0.854501	0.85205	0.784879	2.00E-11	1.64

8004867	NM_001025579	NDEL1	NM_001025579 // NDEL1 // nudE nuclear distribution gene E homolog (A. nidulans)-	0.959905	0.257053	0.772298	2.06E-11	-1.39
8111941	NM_001098272	HMGCS1	NM_001098272 // HMGCS1 // 3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble) //	0.479971	0.64297	0.534466	2.10E-11	-2.16
8017619	---		---	0.095818	0.355691	0.157279	2.27E-11	-2.43
8069178	NR_027673	ADARB1	NR_027673 // ADARB1 // adenosine deaminase, RNA-specific, B1 // 21q22.3 // 104 /	0.000907	0.163724	0.323404	2.30E-11	-1.61
8008598	NM_021213	PCTP	NM_021213 // PCTP // phosphatidylcholine transfer protein // 17q21-q24 // 58488	0.578338	0.749679	0.304987	2.35E-11	-1.42
8106573	NM_003248	THBS4	NM_003248 // THBS4 // thrombospondin 4 // 5q13 // 7060 /// ENST00000428962 // TH	0.153355	0.966695	0.460356	2.37E-11	1.69
8151890	NM_033285	TP53INP1	NM_033285 // TP53INP1 // tumor protein p53 inducible nuclear protein 1 // 8q22 /	0.137815	0.275038	0.252943	2.37E-11	1.56
8079433	NM_000316	PTH1R	NM_000316 // PTH1R // parathyroid hormone 1 receptor // 3p22-p21.1 // 5745 /// N	0.166153	0.64752	0.313333	2.40E-11	-1.39
8075390	NM_174977	SEC14L4	NM_174977 // SEC14L4 // SEC14-like 4 (S. cerevisiae) // 22q12.2 // 284904 /// NM	0.012997	0.007039	0.670472	2.61E-11	-1.90
7941714	NM_024650	C11orf80	NM_024650 // C11orf80 // chromosome 11 open reading frame 80 // 11q13.2 // 79703	0.200974	0.865757	0.604661	2.82E-11	1.44
7943376	NM_020802	KIAA1377	NM_020802 // KIAA1377 // KIAA1377 // 11q22.1 // 57562 /// ENST00000263468 // KIA	0.006882	0.387413	0.849735	2.91E-11	2.33
8152617	NM_005328	HAS2	NM_005328 // HAS2 // hyaluronan synthase 2 // 8q24.12 // 3037 /// ENST0000030392	0.000992	0.537008	0.267528	2.96E-11	3.25

8047926	NM_002374	MAP2	NM_002374 // MAP2 // microtubule-associated protein 2 // 2q34-q35 // 4133 /// NM	0.042976	0.096822	0.493954	3.06E-11	-1.96
7955142	NM_000725	CACNB3	NM_000725 // CACNB3 // calcium channel, voltage-dependent, beta 3 subunit // 12q	0.907362	0.389628	0.842995	3.13E-11	1.36
7983828	NM_198524	TEX9	NM_198524 // TEX9 // testis expressed 9 // 15q21.3 // 374618 /// ENST00000352903	0.452108	0.127544	0.927374	3.20E-11	2.92
7931977	NM_030569	ITIH5	NM_030569 // ITIH5 // inter-alpha (globulin) inhibitor H5 // 10p14 // 80760 ///	0.014218	0.087097	0.313654	3.22E-11	1.62
8010271	NM_024419	PGS1	NM_024419 // PGS1 // phosphatidylglycerophosphate synthase 1 // 17q25.3 // 9489	0.033738	0.675477	0.806614	3.22E-11	-1.38
8048847	NM_001135187	AGFG1	NM_001135187 // AGFG1 // ArfGAP with FG repeats 1 // 2q36.3 // 3267 /// NM_00450	0.058946	0.384154	0.264284	3.34E-11	-1.31
7914015	NM_052943	FAM46B	NM_052943 // FAM46B // family with sequence similarity 46, member B // 1p36.11 /	0.449616	0.022472	0.767675	3.43E-11	-1.52
8098470	NM_024949	WWC2	NM_024949 // WWC2 // WW and C2 domain containing 2 // 4q35.1 // 80014 /// ENST00	0.038781	0.258433	0.308922	3.47E-11	-1.84
8013135	NM_001005291	SREBF1	NM_001005291 // SREBF1 // sterol regulatory element binding transcription factor	0.937654	0.991754	0.400591	3.61E-11	-1.41
8126860	NM_000255	MUT	NM_000255 // MUT // methylmalonyl CoA mutase // 6p12.3 // 4594 /// ENST000002748	0.024996	0.697141	0.493859	3.62E-11	-1.38
8152764	NM_014751	MTSS1	NM_014751 // MTSS1 // metastasis suppressor 1 // 8p22 // 9788 /// AF086645 // MT	0.249974	0.838747	0.92102	3.72E-11	-1.45

8116932	NM_030948	PHACTR1	NM_030948 // PHACTR1 // phosphatase and actin regulator 1 // 6p24.1 // 221692 //	0.824113	0.082652	0.0737019	3.83E-11	-1.56
8063497	NM_001164116	CASS4	NM_001164116 // CASS4 // Cas scaffolding protein family member 4 // 20q13.31 //	0.001157	0.067293	0.0247173	3.87E-11	-1.72
8175539	NM_012317	LDOC1	NM_012317 // LDOC1 // leucine zipper, down-regulated in cancer 1 // Xq27 // 2364	0.077996	0.467864	0.792867	3.96E-11	1.37
7965941	NM_031302	GLT8D2	NM_031302 // GLT8D2 // glycosyltransferase 8 domain containing 2 // 12q // 83468	0.134491	0.724265	0.388899	4.11E-11	1.78
8167305	NM_006579	EBP	NM_006579 // EBP // emopamil binding protein (sterol isomerase) // Xp11.23-p11.2	0.044365	0.438389	0.698673	4.24E-11	-1.43
7907222	NM_006902	PRRX1	NM_006902 // PRRX1 // paired related homeobox 1 // 1q24 // 5396 /// NM_022716 //	0.651744	0.376068	0.854697	4.41E-11	1.91
7968650	NM_203451	C13orf36	NM_203451 // C13orf36 // chromosome 13 open reading frame 36 // 13q13.3 // 40012	0.030633	0.005791	0.128947	4.44E-11	-1.64
8170420	NM_005491	MAMLD1	NM_005491 // MAMLD1 // mastermind-like domain containing 1 // Xq28 // 10046 ///	0.38407	0.317968	0.135175	4.49E-11	-1.40
8122457	NM_003764	STX11	NM_003764 // STX11 // syntaxin 11 // 6q24.2 // 8676 /// ENST00000367568 // STX11	0.594856	0.071907	0.0697815	4.62E-11	-1.89
8073072	NM_152426	APOBEC3D	NM_152426 // APOBEC3D // apolipoprotein B mRNA editing enzyme, catalytic polypep	0.216099	0.241266	0.419981	4.64E-11	1.51
7944164	NM_019894	TMPRSS4	NM_019894 // TMPRSS4 // transmembrane protease, serine 4 // 11q23.3 // 56649 ///	0.154469	0.219443	0.485892	4.70E-11	3.05

8022612	NM_015461	ZNF521	NM_015461 // ZNF521 // zinc finger protein 521 // 18q11.2 // 25925 /// ENST00000	0.142374	0.828389	0.39197	4.86E-11	1.79
7897620	NM_002631	PGD	NM_002631 // PGD // phosphogluconate dehydrogenase // 1p36.22 // 5226 /// ENST00	0.078218	0.990995	0.0421824	4.90E-11	-1.57
8091446	NM_053024	PFN2	NM_053024 // PFN2 // profilin 2 // 3q25.1 // 5217 /// NM_002628 // PFN2 // profi	0.943527	0.259601	0.879925	4.93E-11	2.07
8041763	NM_005400	PRKCE	NM_005400 // PRKCE // protein kinase C, epsilon // 2p21 // 5581 /// ENST00000306	0.687915	0.120841	0.235486	4.98E-11	-1.50
8163253	---		---	0.001643	0.031008	0.0086021	5.04E-11	-1.57
8112519	---		---	0.344214	0.29726	0.321508	5.09E-11	-2.16
8056102	NM_014880	CD302	NM_014880 // CD302 // CD302 molecule // 2q24.2 // 9936 /// ENST00000259053 // CD	0.117993	0.562953	0.0042678	5.14E-11	-1.60
8126798	NM_015234	GPR116	NM_015234 // GPR116 // G protein-coupled receptor 116 // 6p12.3 // 221395 /// NM	0.524807	0.085025	0.030171	5.19E-11	-1.64
8168589	NM_021998	ZNF711	NM_021998 // ZNF711 // zinc finger protein 711 // Xq21.1 // 7552 /// ENST0000037	0.003243	0.441953	0.685077	5.27E-11	1.47
8162086	NM_015239	AGTPBP1	NM_015239 // AGTPBP1 // ATP/GTP binding protein 1 // 9q21.33 // 23287 /// ENST00	0.824681	0.969911	0.926195	5.34E-11	-1.50
8105987	---		---	0.323378	0.32715	0.359411	5.51E-11	-2.16
7905801	NM_001098475	TDRD10	NM_001098475 // TDRD10 // tudor domain containing 10 // 1q21.3 // 126668 /// NM_	0.002513	0.285317	0.0497092	5.56E-11	-1.41
8079966	NM_004636	SEMA3B	NM_004636 // SEMA3B // sema domain, immunoglobulin domain (Ig), short basic doma	0.392902	0.000402	0.0302814	5.64E-11	-1.46

8151457	NM_012258	HEY1	NM_012258 // HEY1 // hairy/enhancer-of-split related with YRPW motif 1 // 8q21 /	0.07532	0.063928	0.801241	5.98E-11	-1.85
7972239	NM_032229	SLITRK6	NM_032229 // SLITRK6 // SLIT and NTRK-like family, member 6 // 13q31.1 // 84189	0.063348	0.501128	0.666015	6.15E-11	2.53
8044021	NM_016232	IL1RL1	NM_016232 // IL1RL1 // interleukin 1 receptor-like 1 // 2q12 // 9173 /// NM_0038	0.756733	0.775766	0.950668	6.23E-11	-2.95
8029437	NM_006505	PVR	NM_006505 // PVR // poliovirus receptor // 19q13.2 // 5817 /// NM_001135768 // P	0.239145	0.179765	0.849176	6.39E-11	-1.48
8073062	NM_004900	APOBEC3B	NM_004900 // APOBEC3B // apolipoprotein B mRNA editing enzyme, catalytic polypep	0.072797	0.640013	0.573794	6.41E-11	1.68
8104693	NM_178140	PDZD2	NM_178140 // PDZD2 // PDZ domain containing 2 // 5p13.3 // 23037 /// ENST0000043	0.103843	0.050838	0.171419	6.44E-11	-1.78
8171427	NM_004469	FIGF	NM_004469 // FIGF // c-fos induced growth factor (vascular endothelial growth fa	0.035302	0.042104	0.0546778	6.54E-11	-3.51
7913582	NM_001077195	ZNF436	NM_001077195 // ZNF436 // zinc finger protein 436 // 1p36 // 80818 /// NM_030634	0.915656	0.627491	0.460443	6.70E-11	1.45
7909586	NM_006243	PPP2R5A	NM_006243 // PPP2R5A // protein phosphatase 2, regulatory subunit B', alpha // 1	0.082624	0.126842	0.128928	6.78E-11	-1.48
7930106	NM_024789	TMEM180	NM_024789 // TMEM180 // transmembrane protein 180 // 10q24.32 // 79847 /// ENST0	0.468319	0.241671	0.62614	6.91E-11	-1.42
8091922	NM_178824	WDR49	NM_178824 // WDR49 // WD repeat domain 49 // 3q26.1 // 151790 /// ENST0000030837	0.122043	0.161177	0.964525	7.01E-11	3.67

7898585	NM_182744	NBL1	NM_182744 // NBL1 // neuroblastoma, suppression of tumorigenicity 1 // 1p36.13 /	0.942486	0.031018	0.758333	7.09E-11	1.36
8046726	NM_001130445	SSFA2	NM_001130445 // SSFA2 // sperm specific antigen 2 // 2q31.3 // 6744 /// NM_00675	0.142093	0.26047	0.259306	7.10E-11	-1.40
7953943	NM_031412	GABARAPL1	NM_031412 // GABARAPL1 // GABA(A) receptor-associated protein like 1 // 12p13.2	0.185155	0.015038	0.181649	7.13E-11	-1.41
8081288	NM_018004	TMEM45A	NM_018004 // TMEM45A // transmembrane protein 45A // 3q12.2 // 55076 /// ENST000	0.921991	0.037622	0.4339	7.21E-11	2.71
8140534	NM_006379	SEMA3C	NM_006379 // SEMA3C // sema domain, immunoglobulin domain (Ig), short basic doma	0.618035	0.98398	0.169633	7.22E-11	1.62
8158424	NM_001127244	LRRC8A	NM_001127244 // LRRC8A // leucine rich repeat containing 8 family, member A // 9	0.399696	0.447702	0.813313	7.37E-11	-1.43
8118863	NM_015245	ANKS1A	NM_015245 // ANKS1A // ankyrin repeat and sterile alpha motif domain containing	0.046661	0.282767	0.474904	7.50E-11	-1.35
8124280	NM_014722	FAM65B	NM_014722 // FAM65B // family with sequence similarity 65, member B // 6p22.3-p2	0.497468	0.889376	0.679706	7.59E-11	-1.77
8077550	NM_001077525	MTMR14	NM_001077525 // MTMR14 // myotubularin related protein 14 // 3p26 // 64419 /// N	0.359633	0.499675	0.299466	7.75E-11	-1.35
8063739	NM_080672	PHACTR3	NM_080672 // PHACTR3 // phosphatase and actin regulator 3 // 20q13.32-q13.33 //	0.952459	0.005155	0.73666	7.92E-11	-1.33
8101992	NM_022154	SLC39A8	NM_022154 // SLC39A8 // solute carrier family 39 (zinc transporter), member 8 //	0.420757	0.249136	0.252689	8.18E-11	-2.54

7905986	NM_002004	FDPS	NM_002004 // FDPS // farnesyl diphosphate synthase // 1q22 // 2224 /// NM_001135	0.374158	0.885818	0.91563	8.48E-11	-1.49
8145611	NM_017412	FZD3	NM_017412 // FZD3 // frizzled homolog 3 (Drosophila) // 8p21 // 7976 /// ENST000	0.832134	0.125103	0.622703	8.53E-11	1.80
7960794	NM_004244	CD163	NM_004244 // CD163 // CD163 molecule // 12p13.3 // 9332 /// NM_203416 // CD163 /	0.198677	0.606157	0.676928	8.97E-11	-2.31
7979510	NM_017420	SIX4	NM_017420 // SIX4 // SIX homeobox 4 // 14q23 // 51804 /// ENST00000216513 // SIX	0.600289	0.211946	0.955197	9.09E-11	2.12
8060897	NM_001172646	PLCB4	NM_001172646 // PLCB4 // phospholipase C, beta 4 // 20p12 // 5332 /// NM_000933	0.006508	0.646825	0.246821	9.12E-11	1.66
8179967	NM_001136	AGER	NM_001136 // AGER // advanced glycosylation end product-specific receptor // 6p2	0.252396	0.060185	0.194577	9.16E-11	-3.31
8063458	NM_018431	DOK5	NM_018431 // DOK5 // docking protein 5 // 20q13.2 // 55816 /// ENST00000262593 /	0.03902	0.924122	0.672378	9.23E-11	1.54
8166289	NM_001037343	CDKL5	NM_001037343 // CDKL5 // cyclin-dependent kinase-like 5 // Xp22 // 6792 /// NM_0	0.036839	0.384666	0.231313	9.27E-11	-1.48
7977161	NM_153046	TDRD9	NM_153046 // TDRD9 // tudor domain containing 9 // 14q32.33 // 122402 /// ENST00	0.308366	0.142952	0.838152	9.34E-11	-1.46
8123342	NM_007045	FGFR1OP	NM_007045 // FGFR1OP // FGFR1 oncogene partner // 6q27 // 11116 /// NM_194429 //	0.102498	0.018671	0.371819	9.46E-11	1.39
7935058	NM_013451	MYOF	NM_013451 // MYOF // myoferlin // 10q24 // 26509 /// NM_133337 // MYOF // myofer	0.694167	0.249101	0.281776	9.54E-11	1.44

8092418	NM_005688	ABCC5	NM_005688 // ABCC5 // ATP-binding cassette, sub-family C (CFTR/MRP), member 5 //	0.044667	0.37035	0.781849	9.64E-11	1.58
7936835	NM_198148	CPXM2	NM_198148 // CPXM2 // carboxypeptidase X (M14 family), member 2 // 10q26.13 // 1	0.229222	0.938745	0.134436	9.65E-11	1.76
8133938	NM_001143935	CROT	NM_001143935 // CROT // carnitine O-octanoyltransferase // 7q21.1 // 54677 /// N	0.079963	0.143106	0.531653	9.73E-11	1.59
7925089	NM_014801	PCNXL2	NM_014801 // PCNXL2 // pecanex-like 2 (Drosophila) // 1q42.2 // 80003 /// ENST00	0.021948	0.69399	0.699425	9.73E-11	1.38
7898623	NM_152376	UBXN10	NM_152376 // UBXN10 // UBX domain protein 10 // 1p36.12 // 127733 /// ENST000003	0.308217	0.431725	0.984375	9.73E-11	2.27
8122396	NM_016108	AIG1	NM_016108 // AIG1 // androgen-induced 1 // 6q24.2 // 51390 /// ENST00000357847 /	0.209667	0.03263	0.0896803	9.74E-11	1.35
7947110	NM_024680	E2F8	NM_024680 // E2F8 // E2F transcription factor 8 // 11p15.1 // 79733 /// ENST0000	0.034033	0.307155	0.714424	9.78E-11	1.36
8161056	NM_006289	TLN1	NM_006289 // TLN1 // talin 1 // 9p13 // 7094 /// ENST00000314888 // TLN1 // tali	0.793756	0.520755	0.582026	9.87E-11	-1.34
8112476	---		---	0.270574	0.365541	0.263404	1.04E-10	-1.95
8125341	NM_001136	AGER	NM_001136 // AGER // advanced glycosylation end product-specific receptor // 6p2	0.247211	0.052313	0.179268	1.04E-10	-3.49
8178771	NM_001136	AGER	NM_001136 // AGER // advanced glycosylation end product-specific receptor // 6p2	0.250453	0.053385	0.188918	1.06E-10	-3.50
8041995	NM_003128	SPTBN1	NM_003128 // SPTBN1 // spectrin, beta, non-erythrocytic 1 // 2p21 // 6711 /// NM	0.011273	0.008017	0.100837	1.07E-10	-1.43

8107897	NM_003687	PDLIM4	NM_003687 // PDLIM4 // PDZ and LIM domain 4 // 5q31.1 // 8572 /// NM_001131027 /	0.004535	0.774342	0.456361	1.08E-10	1.40
7946860	NM_000352	ABCC8	NM_000352 // ABCC8 // ATP-binding cassette, sub-family C (CFTR/MRP), member 8 //	0.348758	0.938277	0.805352	1.08E-10	-1.52
7906443	NM_002001	FCER1A	NM_002001 // FCER1A // Fc fragment of IgE, high affinity I, receptor for; alpha	0.128438	0.086196	0.0840106	1.10E-10	1.62
8064894	NM_152611	LRRN4	NM_152611 // LRRN4 // leucine rich repeat neuronal 4 // 20p12.3 // 164312 /// EN	0.229667	0.286507	0.172472	1.12E-10	-2.16
7908924	NM_002725	PRELP	NM_002725 // PRELP // proline/arginine-rich end leucine-rich repeat protein // 1	0.023658	0.009255	0.830857	1.12E-10	-1.82
7986977	NM_003257	TJP1	NM_003257 // TJP1 // tight junction protein 1 (zona occludens 1) // 15q13 // 708	0.017919	0.04265	0.0831177	1.14E-10	-1.44
8102328	NM_000204	CFI	NM_000204 // CFI // complement factor I // 4q25 // 3426 /// ENST00000394634 // C	0.670231	0.560084	0.296646	1.16E-10	1.53
8139087	NM_003014	SFRP4	NM_003014 // SFRP4 // secreted frizzled-related protein 4 // 7p14.1 // 6424 ///	0.456407	0.626699	0.625528	1.18E-10	2.56
8138613	NM_015550	OSBPL3	NM_015550 // OSBPL3 // oxysterol binding protein-like 3 // 7p15 // 26031 /// NM_	0.939871	0.359098	0.623615	1.19E-10	1.66
8161114	NM_020944	GBA2	NM_020944 // GBA2 // glucosidase, beta (bile acid) 2 // 9p13.3 // 57704 /// NM_0	0.71007	0.51884	0.458222	1.26E-10	-1.34
7946401	NM_005418	ST5	NM_005418 // ST5 // suppression of tumorigenicity 5 // 11p15 // 6764 /// NM_2136	0.972514	0.055337	0.549253	1.29E-10	1.35

8070269	NM_006052	DSCR3	NM_006052 // DSCR3 // Down syndrome critical region gene 3 // 21q22.2 // 10311 /	0.359555	0.968858	0.0142966	1.34E-10	-1.37
8081890	NM_015900	PLA1A	NM_015900 // PLA1A // phospholipase A1 member A // 3q13.13-q13.2 // 51365 /// EN	0.045952	0.804769	0.0508719	1.36E-10	-2.21
8129573	NM_015529	MOXD1	NM_015529 // MOXD1 // monooxygenase, DBH-like 1 // 6q23.2 // 26002 /// ENST00000	0.729843	0.793202	0.705762	1.36E-10	1.80
8173955	NM_080737	SYTL4	NM_080737 // SYTL4 // synaptotagmin-like 4 // Xq21.33 // 94121 /// NM_001129896	0.11386	0.812398	0.837304	1.38E-10	-1.43
8144281	NM_014629	ARHGEF10	NM_014629 // ARHGEF10 // Rho guanine nucleotide exchange factor (GEF) 10 // 8p23	0.138682	0.338736	0.227023	1.39E-10	-1.75
7965166	NM_003625	PPFIA2	NM_003625 // PPFIA2 // protein tyrosine phosphatase, receptor type, f polypeptid	0.055926	0.313855	0.875177	1.39E-10	1.55
8112649	NM_015566	FAM169A	NM_015566 // FAM169A // family with sequence similarity 169, member A // 5q13.3	0.112351	0.299725	0.281224	1.41E-10	1.48
8127743	NM_004242	HMGN3	NM_004242 // HMGN3 // high mobility group nucleosomal binding domain 3 // 6q14.1	0.371071	0.739944	0.235782	1.41E-10	1.40
7994280	NM_000418	IL4R	NM_000418 // IL4R // interleukin 4 receptor // 16p12.1-p11.2 // 3566 /// NM_0010	0.009698	0.330661	0.474512	1.42E-10	-1.47
8172333	NM_002621	CFP	NM_002621 // CFP // complement factor properdin // Xp11.4 // 5199 /// NM_0011452	0.147735	0.419308	0.538353	1.42E-10	-1.44
8158739	NM_006059	LAMC3	NM_006059 // LAMC3 // laminin, gamma 3 // 9q31-q34 // 10319 /// ENST00000361069	0.584944	0.41861	0.472221	1.43E-10	-1.73

7917728	NM_001006605	FAM69A	NM_001006605 // FAM69A // family with sequence similarity 69, member A // 1p22.1	0.869929	0.092642	0.279663	1.46E-10	1.53
8078386	NM_015141	GPD1L	NM_015141 // GPD1L // glycerol-3-phosphate dehydrogenase 1-like // 3p22.3 // 231	0.014499	0.022877	0.0313583	1.50E-10	-1.58
7988260	NM_032892	FRMD5	NM_032892 // FRMD5 // FERM domain containing 5 // 15q15.3 // 84978 /// ENST00000	0.011142	0.758644	0.259127	1.50E-10	1.33
8059222	NM_012100	DNPEP	NM_012100 // DNPEP // aspartyl aminopeptidase // 2q35 // 23549 /// ENST000002730	0.807298	0.100043	0.220895	1.52E-10	-1.31
8005449	NM_000422	KRT17	NM_000422 // KRT17 // keratin 17 // 17q21.2 // 3872 /// ENST00000311208 // KRT17	0.15357	0.783583	0.617428	1.55E-10	1.89
8165217	NM_017617	NOTCH1	NM_017617 // NOTCH1 // notch 1 // 9q34.3 // 4851 /// ENST00000277541 // NOTCH1 /	0.822485	0.399408	0.947818	1.56E-10	-1.38
8114920	NM_001197294	DPYSL3	NM_001197294 // DPYSL3 // dihydropyrimidinase-like 3 // 5q32 // 1809 /// NM_0013	0.937945	0.23639	0.0774391	1.58E-10	1.58
8041582	NM_138370	PKDCC	NM_138370 // PKDCC // protein kinase domain containing, cytoplasmic homolog (mou	0.559106	0.230573	0.792658	1.59E-10	-1.52
8040587	NM_014971	EFR3B	NM_014971 // EFR3B // EFR3 homolog B (S. cerevisiae) // 2p23.3 // 22979 /// ENST	0.635843	0.253182	0.462033	1.60E-10	-1.49
7982377	NM_013372	GREM1	NM_013372 // GREM1 // gremlin 1 // 15q13.3 // 26585 /// NM_001191323 // GREM1 //	0.092042	0.005382	0.534539	1.62E-10	1.94
7948630	NM_021727	FADS3	NM_021727 // FADS3 // fatty acid desaturase 3 // 11q12-q13.1 // 3995 /// ENST000	0.182442	0.281241	0.810609	1.65E-10	-1.48

8161418	NM_015234	GPR116	NM_015234 // GPR116 // G protein-coupled receptor 116 // 6p12.3 // 221395 /// NM	0.613809	0.05447	0.047481	1.65E-10	-1.62
8113369	NM_180991	SLCO4C1	NM_180991 // SLCO4C1 // solute carrier organic anion transporter family, member	0.478117	0.377015	0.0838533	1.68E-10	-2.87
8111677	NM_002310	LIFR	NM_002310 // LIFR // leukemia inhibitory factor receptor alpha // 5p13-p12 // 39	0.004391	0.02375	0.677708	1.68E-10	-1.88
8017599	NM_000442	PECAM1	NM_000442 // PECAM1 // platelet/endothelial cell adhesion molecule // 17q23 // 5	0.177474	0.354826	0.32031	1.69E-10	-1.49
8046003	NM_012198	GCA	NM_012198 // GCA // grancalcin, EF-hand calcium binding protein // 2q24.2 // 258	0.444241	0.539652	0.646164	1.73E-10	-1.65
7909708	NM_016343	CENPF	NM_016343 // CENPF // centromere protein F, 350/400kDa (mitosin) // 1q32-q41 //	0.102986	0.525099	0.829784	1.74E-10	1.62
8105989	---		---	0.376868	0.405547	0.456453	1.77E-10	-2.11
8058869	NM_022648	TNS1	NM_022648 // TNS1 // tensin 1 // 2q35-q36 // 7145 /// ENST00000171887 // TNS1 //	0.005557	0.353986	0.595485	1.77E-10	-1.53
8041383	NM_206943	LTBP1	NM_206943 // LTBP1 // latent transforming growth factor beta binding protein 1 /	0.014039	0.543222	0.11248	1.78E-10	1.72
8047086	NM_005966	NAB1	NM_005966 // NAB1 // NGFI-A binding protein 1 (EGR1 binding protein 1) // 2q32.3	0.179267	0.012512	0.258323	1.79E-10	1.34
7912283	NM_020248	CTNNBIP1	NM_020248 // CTNNBIP1 // catenin, beta interacting protein 1 // 1p36.22 // 56998	0.771265	0.016837	0.588287	1.83E-10	-1.30
7906348	NM_001765	CD1C	NM_001765 // CD1C // CD1c molecule // 1q22-q23 // 911 /// ENST00000368170 // CD1	0.727691	0.341433	0.222673	1.93E-10	2.05

7947189	NM_030771	CCDC34	NM_030771 // CCDC34 // coiled-coil domain containing 34 // 11p14.1 // 91057 ///	0.652543	0.031147	0.500278	1.93E-10	1.49
8073148	NM_001675	ATF4	NM_001675 // ATF4 // activating transcription factor 4 (tax-responsive enhancer	0.040401	0.001506	0.691104	1.94E-10	-1.34
8167656	NM_001005333	MAGED1	NM_001005333 // MAGED1 // melanoma antigen family D, 1 // Xp11.23 // 9500 /// NM	0.072717	0.907565	0.482683	1.97E-10	1.38
7972336	NM_198968	DZIP1	NM_198968 // DZIP1 // DAZ interacting protein 1 // 13q32.1 // 22873 /// NM_01493	0.00253	0.020792	0.815204	1.98E-10	1.37
8000574	NM_001042483	NUPR1	NM_001042483 // NUPR1 // nuclear protein, transcriptional regulator, 1 // 16p11.	0.069898	0.738536	0.293885	2.00E-10	-1.32
8169263	NM_001170553	VSIG1	NM_001170553 // VSIG1 // V-set and immunoglobulin domain containing 1 // Xq22.3	0.231655	0.59101	0.565439	2.04E-10	4.16
7970441	NM_004004	GJB2	NM_004004 // GJB2 // gap junction protein, beta 2, 26kDa // 13q11-q12 // 2706 //	0.013085	0.828176	0.0718125	2.04E-10	1.37
7971444	NM_001872	CPB2	NM_001872 // CPB2 // carboxypeptidase B2 (plasma) // 13q14.11 // 1361 /// NM_016	0.024666	0.712726	0.0077309	2.11E-10	-4.19
8119689	NM_002821	PTK7	NM_002821 // PTK7 // PTK7 protein tyrosine kinase 7 // 6p21.1-p12.2 // 5754 ///	0.009737	0.030207	0.361343	2.12E-10	1.30
8052376	NM_001080433	CCDC85A	NM_001080433 // CCDC85A // coiled-coil domain containing 85A // 2p16.1 // 114800	0.359559	0.210556	0.6223	2.15E-10	-1.45
7947199	NM_018490	LGR4	NM_018490 // LGR4 // leucine-rich repeat-containing G protein-coupled receptor 4	0.918362	0.397056	0.168661	2.16E-10	1.63

8020630	NM_153211	TTC39C	NM_153211 // TTC39C // tetratricopeptide repeat domain 39C // 18q11.2 // 125488	0.3633	0.246954	0.561059	2.17E-10	1.42
7972157	NM_001122659	EDNRB	NM_001122659 // EDNRB // endothelin receptor type B // 13q22 // 1910 /// NM_0001	0.482455	0.586822	0.742116	2.17E-10	-1.97
8077668	NM_001193380	IL17RE	NM_001193380 // IL17RE // interleukin 17 receptor E // 3p25.3 // 132014 /// NM_1	0.10583	0.045738	0.270625	2.17E-10	-1.35
8126820	NM_153840	GPR110	NM_153840 // GPR110 // G protein-coupled receptor 110 // 6p12.3 // 266977 /// NM	0.000252	0.144833	0.036055	2.19E-10	2.48
7930837	NM_003054	SLC18A2	NM_003054 // SLC18A2 // solute carrier family 18 (vesicular monoamine), member 2	0.000307	0.531042	0.371613	2.26E-10	1.86
7980616	NM_007039	PTPN21	NM_007039 // PTPN21 // protein tyrosine phosphatase, non-receptor type 21 // 14q	0.004312	0.141902	0.226723	2.28E-10	-1.59
8105935	---		---	0.340429	0.346927	0.44636	2.32E-10	-2.12
7923792	NM_033102	SLC45A3	NM_033102 // SLC45A3 // solute carrier family 45, member 3 // 1q32.1 // 85414 //	0.609532	0.357485	0.197966	2.34E-10	1.31
8100827	NM_144646	IGJ	NM_144646 // IGJ // immunoglobulin J polypeptide, linker protein for immunoglobu	0.471305	0.082505	0.527559	2.35E-10	2.40
8032392	NM_199054	MKNK2	NM_199054 // MKNK2 // MAP kinase interacting serine/threonine kinase 2 // 19p13.	0.341747	0.071802	0.825335	2.38E-10	-1.39
8087624	NM_033158	HYAL2	NM_033158 // HYAL2 // hyaluronoglucosaminidase 2 // 3p21.3 // 8692 /// NM_003773	0.87129	0.030319	0.575325	2.43E-10	-1.46
8003332	NM_002461	MVD	NM_002461 // MVD // mevalonate (diphospho) decarboxylase // 16q24.3 // 4597 ///	0.105482	0.487053	0.939347	2.44E-10	-1.40

8063382	NM_005985	SNAI1	NM_005985 // SNAI1 // snail homolog 1 (Drosophila) // 20q13.2 // 6615 /// ENST00	0.778682	0.060089	0.180885	2.44E-10	-1.75
8152477	NM_006265	RAD21	NM_006265 // RAD21 // RAD21 homolog (S. pombe) // 8q24 // 5885 /// ENST000002973	0.198265	0.784316	0.0214552	2.53E-10	-1.32
8117054	NM_006366	CAP2	NM_006366 // CAP2 // CAP, adenylate cyclase-associated protein, 2 (yeast) // 6p2	0.012628	0.144043	0.240844	2.58E-10	1.75
8099685	NM_018176	LGI2	NM_018176 // LGI2 // leucine-rich repeat LGI family, member 2 // 4p15.2 // 55203	0.138747	0.067883	0.870736	2.59E-10	1.69
8104758	BC022250	C5orf23	BC022250 // C5orf23 // chromosome 5 open reading frame 23 // 5p13.3 // 79614 ///	0.007721	0.106447	0.467053	2.60E-10	-2.25
7949679	NM_006946	SPTBN2	NM_006946 // SPTBN2 // spectrin, beta, non-erythrocytic 2 // 11q13 // 6712 /// E	0.128667	0.803586	0.54984	2.62E-10	1.43
7904254	NM_000701	ATP1A1	NM_000701 // ATP1A1 // ATPase, Na+/K+ transporting, alpha 1 polypeptide // 1p21	0.051	0.970362	0.827059	2.63E-10	-1.37
8102232	NM_016269	LEF1	NM_016269 // LEF1 // lymphoid enhancer-binding factor 1 // 4q23-q25 // 51176 ///	0.475113	0.742489	0.318002	2.65E-10	1.49
8166784	NM_004615	TSPAN7	NM_004615 // TSPAN7 // tetraspanin 7 // Xp11.4 // 7102 /// ENST00000378482 // TS	0.014804	0.038823	0.220365	2.68E-10	-1.55
8013042	NM_000422	KRT17	NM_000422 // KRT17 // keratin 17 // 17q21.2 // 3872 /// ENST00000311208 // KRT17	0.105204	0.786828	0.55542	2.72E-10	1.79
8086330	NM_033027	CSRNP1	NM_033027 // CSRNP1 // cysteine-serine-rich nuclear protein 1 // 3p22 // 64651 /	0.295996	0.003062	0.517824	2.74E-10	-2.11

8082673	NM_001099	ACPP	NM_001099 // ACPP // acid phosphatase, prostate // 3q21-q23 // 55 /// NM_0011341	0.010035	0.475456	0.62496	2.76E-10	-1.54
8037835	NM_005628	SLC1A5	NM_005628 // SLC1A5 // solute carrier family 1 (neutral amino acid transporter),	0.004264	0.65288	0.645903	2.77E-10	-1.35
7924508	NM_017982	SUSD4	NM_017982 // SUSD4 // sushi domain containing 4 // 1q41 // 55061 /// NM_00103717	0.361946	0.276897	0.374044	2.82E-10	1.60
8061471	NM_021067	GINS1	NM_021067 // GINS1 // GINS complex subunit 1 (Psf1 homolog) // 20p11.21 // 9837	0.010348	0.843465	0.129006	2.82E-10	1.40
8043522	NM_001165978	PROM2	NM_001165978 // PROM2 // prominin 2 // 2q11.1 // 150696 /// NM_144707 // PROM2 /	0.875458	0.53216	0.734868	2.82E-10	1.82
8053797	ENST00000420871	LOC400986	ENST00000420871 // LOC400986 // ankyrin repeat domain-containing protein 36C //	0.070671	0.123401	0.259021	2.88E-10	2.00
8114797	NM_030964	SPRY4	NM_030964 // SPRY4 // sprouty homolog 4 (Drosophila) // 5q31.3 // 81848 /// NM_0	0.575326	0.011678	0.530348	2.89E-10	-2.06
8163202	NM_153366	SVEP1	NM_153366 // SVEP1 // sushi, von Willebrand factor type A, EGF and pentraxin dom	0.093189	0.0524	0.291684	2.94E-10	-2.28
8126760	NM_005822	RCAN2	NM_005822 // RCAN2 // regulator of calcineurin 2 // 6p12.3 // 10231 /// ENST0000	0.122804	0.195462	0.0418284	2.96E-10	1.46
7958692	NM_001173975	TCTN1	NM_001173975 // TCTN1 // tectonic family member 1 // 12q24.11 // 79600 /// NM_00	0.456609	0.082824	0.535106	2.97E-10	1.58
8154951	NM_002065	GLUL	NM_002065 // GLUL // glutamate-ammonia ligase // 1q31 // 2752 /// NM_001033044 /	0.73612	0.502006	0.190747	3.13E-10	-1.33

7917912	NM_000110	DPYD	NM_000110 // DPYD // dihydropyrimidine dehydrogenase // 1p22 // 1806 /// NM_0011	0.895407	0.431909	0.826506	3.14E-10	-1.36
7951485	NM_017515	SLC35F2	NM_017515 // SLC35F2 // solute carrier family 35, member F2 // 11q22.3 // 54733	0.337318	0.595922	0.790977	3.17E-10	1.46
8014248	NM_144682	SLFN13	NM_144682 // SLFN13 // schlafen family member 13 // 17q12 // 146857 /// ENST0000	0.219345	0.33792	0.629587	3.19E-10	1.94
8070194	NM_001001890	RUNX1	NM_001001890 // RUNX1 // runt-related transcription factor 1 // 21q22.3 // 861 /	0.042346	0.008061	0.121497	3.21E-10	1.33
8039236	NM_021250	LILRA5	NM_021250 // LILRA5 // leukocyte immunoglobulin-like receptor, subfamily A (with	4.18E-05	0.722238	0.914263	3.25E-10	-1.51
8096385	NM_014606	HERC3	NM_014606 // HERC3 // hect domain and RLD 3 // 4q21 // 8916 /// ENST00000402738	0.006697	0.78223	0.800488	3.26E-10	-1.49
8168146	NM_012310	KIF4A	NM_012310 // KIF4A // kinesin family member 4A // Xq13.1 // 24137 /// ENST000003	0.017466	0.293477	0.171526	3.34E-10	1.47
7943605	NM_000019	ACAT1	NM_000019 // ACAT1 // acetyl-CoA acetyltransferase 1 // 11q22.3 // 38 /// ENST00	0.045773	0.793725	0.740185	3.34E-10	-1.39
8137526	NM_005542	INSIG1	NM_005542 // INSIG1 // insulin induced gene 1 // 7q36 // 3638 /// NM_198337 // I	0.412204	0.163657	0.104836	3.40E-10	-1.56
8150751	NM_207413	FAM150A	NM_207413 // FAM150A // family with sequence similarity 150, member A // 8q11.23	0.351142	0.652279	0.503427	3.41E-10	1.55
8009951	NM_000213	ITGB4	NM_000213 // ITGB4 // integrin, beta 4 // 17q25 // 3691 /// NM_001005619 // ITGB	0.873469	0.694341	0.543185	3.45E-10	1.84

8104746	NM_000908	NPR3	NM_000908 // NPR3 // natriuretic peptide receptor C/guanylate cyclase C (atriona	0.004294	0.270889	0.359974	3.62E-10	-2.20
8038213	NM_016246	HSD17B14	NM_016246 // HSD17B14 // hydroxysteroid (17-beta) dehydrogenase 14 // 19q13.33 /	0.043745	0.622486	0.0312791	3.65E-10	-1.55
8117106	NM_182757	RNF144B	NM_182757 // RNF144B // ring finger protein 144B // 6p22.3 // 255488 /// ENST000	0.232603	0.126795	0.387606	3.68E-10	-1.50
8015387	NM_000422	KRT17	NM_000422 // KRT17 // keratin 17 // 17q21.2 // 3872 /// ENST00000311208 // KRT17	0.228711	0.619498	0.641827	3.77E-10	2.12
7969243	NM_018204	CKAP2	NM_018204 // CKAP2 // cytoskeleton associated protein 2 // 13q14 // 26586 /// NM	0.589954	0.532395	0.0878905	3.79E-10	1.59
8017262	NM_032043	BRIP1	NM_032043 // BRIP1 // BRCA1 interacting protein C-terminal helicase 1 // 17q22.2	0.006992	0.15111	0.874357	3.81E-10	1.48
8101587	NM_138982	MAPK10	NM_138982 // MAPK10 // mitogen-activated protein kinase 10 // 4q22.1-q23 // 5602	0.050475	0.281937	0.94448	3.83E-10	1.74
7944803	NM_001130142	VWA5A	NM_001130142 // VWA5A // von Willebrand factor A domain containing 5A // 11q23 /	0.010432	0.852223	0.535671	3.92E-10	1.48
8152453	NM_014112	TRPS1	NM_014112 // TRPS1 // trichorhinophalangeal syndrome I // 8q24.12 // 7227 /// EN	0.58915	0.009884	0.449184	4.02E-10	1.39
8015337	NM_002275	KRT15	NM_002275 // KRT15 // keratin 15 // 17q21.2 // 3866 /// ENST00000254043 // KRT15	0.550056	0.637972	0.804244	4.14E-10	3.10
8137257	NM_018384	GIMAP5	NM_018384 // GIMAP5 // GTPase, IMAP family member 5 // 7q36.1 // 55340 /// ENST0	0.977507	0.633758	0.550954	4.20E-10	-1.71

7967456	NM_145058	RILPL2	NM_145058 // RILPL2 // Rab interacting lysosomal protein-like 2 // 12q24.31 // 1	0.853442	0.408745	0.342683	4.20E-10	-1.35
8062571	NM_030919	FAM83D	NM_030919 // FAM83D // family with sequence similarity 83, member D // 20q11.22-	0.508339	0.059263	0.323836	4.22E-10	2.34
8155673	NM_003558	PIP5K1B	NM_003558 // PIP5K1B // phosphatidylinositol-4-phosphate 5-kinase, type I, beta	0.419216	0.490701	0.25783	4.24E-10	-1.74
8162870	NM_001701	BAAT	NM_001701 // BAAT // bile acid CoA: amino acid N-acyltransferase (glycine N-chol	0.386634	0.87855	0.913103	4.24E-10	1.78
8133258	NM_022479	WBSCR17	NM_022479 // WBSCR17 // Williams-Beuren syndrome chromosome region 17 // 7q11.23	0.919841	0.36081	0.418518	4.27E-10	-1.56
7969995	NM_015011	MYO16	NM_015011 // MYO16 // myosin XVI // 13q33.3 // 23026 /// ENST00000357550 // MYO1	0.01277	0.356447	0.545833	4.32E-10	1.46
8138466	NM_182762	MACC1	NM_182762 // MACC1 // metastasis associated in colon cancer 1 // 7p21.1 // 34638	0.588363	0.337136	0.200527	4.40E-10	1.86
8113577	NM_018700	TRIM36	NM_018700 // TRIM36 // tripartite motif-containing 36 // 5q22.3 // 55521 /// NM_	0.449402	0.514193	0.0996872	4.41E-10	1.41
8088106	NM_001135055	TKT	NM_001135055 // TKT // transketolase // 3p14.3 // 7086 /// NM_001064 // TKT // t	0.002513	0.046642	0.451573	4.52E-10	-1.45
8085360	NM_003256	TIMP4	NM_003256 // TIMP4 // TIMP metallopeptidase inhibitor 4 // 3p25 // 7079 /// ENST	0.444129	0.076779	0.62604	4.58E-10	-1.77
8066489	NM_080869	WFDC12	NM_080869 // WFDC12 // WAP four-disulfide core domain 12 // 20q12-q13.1 // 12848	0.006259	0.724719	0.397806	4.68E-10	-1.48

7926223	NM_153498	CAMK1D	NM_153498 // CAMK1D // calcium/calmodulin-dependent protein kinase ID // 10p13 /	0.886911	0.651161	0.0140548	4.79E-10	1.55
8092707	NM_018192	LEPREL1	NM_018192 // LEPREL1 // leprecan-like 1 // 3q28 // 55214 /// NM_001134418 // LEP	0.654459	0.263689	0.322482	4.94E-10	-2.33
8101002	NM_001729	BTC	NM_001729 // BTC // betacellulin // 4q13-q21 // 685 /// ENST00000395743 // BTC /	0.707721	0.360391	0.0841941	4.99E-10	1.39
7957673	ENST00000298953	C12orf55	ENST00000298953 // C12orf55 // chromosome 12 open reading frame 55 // 12q23.1 //	0.125912	0.108009	0.550907	5.04E-10	3.35
7971644	NM_020456	C13orf1	NM_020456 // C13orf1 // chromosome 13 open reading frame 1 // 13q14 // 57213 ///	0.114127	0.66608	0.295246	5.05E-10	-1.36
8133770	NM_020879	CCDC146	NM_020879 // CCDC146 // coiled-coil domain containing 146 // 7q11.23 // 57639 //	0.19136	0.234222	0.928958	5.18E-10	3.42
8043459	BC073763	IGKC	BC073763 // IGKC // immunoglobulin kappa constant // 2p12 // 3514 /// BC073763 /	0.196328	0.749822	0.430495	5.25E-10	2.22
8083779	NM_001122752	SERPINI1	NM_001122752 // SERPINI1 // serpin peptidase inhibitor, clade I (neuroserpin), m	0.143453	0.8461	0.476984	5.25E-10	1.56
7933933	NM_021800	DNAJC12	NM_021800 // DNAJC12 // DnaJ (Hsp40) homolog, subfamily C, member 12 // 10q22.1	0.539531	0.001566	0.734632	5.34E-10	1.71
7952290	NM_012101	TRIM29	NM_012101 // TRIM29 // tripartite motif-containing 29 // 11q22-q23 // 23650 ///	0.947911	0.286174	0.934219	5.37E-10	2.43
8160441	NM_058197	CDKN2A	NM_058197 // CDKN2A // cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhi	0.544911	0.212085	0.376235	5.43E-10	1.36

7946589	NM_130385	MRVI1	NM_130385 // MRVI1 // murine retrovirus integration site 1 homolog // 11p15 // 1	0.214505	0.110483	0.729292	5.47E-10	1.72
8103789	NM_005277	GPM6A	NM_005277 // GPM6A // glycoprotein M6A // 4q34 // 2823 /// NM_201591 // GPM6A //	0.105654	0.064285	0.243336	5.51E-10	-1.84
7907286	NM_002021	FMO1	NM_002021 // FMO1 // flavin containing monooxygenase 1 // 1q24.3 // 2326 /// ENS	0.802328	0.821202	0.851358	5.53E-10	1.73
8082643	NM_024800	NEK11	NM_024800 // NEK11 // NIMA (never in mitosis gene a)- related kinase 11 // 3q22.	0.150346	0.145994	0.949641	5.57E-10	2.27
7906613	NM_021181	SLAMF7	NM_021181 // SLAMF7 // SLAM family member 7 // 1q23.1-q24.1 // 57823 /// ENST000	0.575998	0.111516	0.944888	6.10E-10	2.59
8013384	NM_000691	ALDH3A1	NM_000691 // ALDH3A1 // aldehyde dehydrogenase 3 family, member A1 // 17p11.2 //	0.629124	0.45069	0.526668	6.37E-10	1.94
7960438	NM_020373	ANO2	NM_020373 // ANO2 // anoctamin 2 // 12p13.3 // 57101 /// ENST00000327087 // ANO2	0.002962	0.067025	0.170871	6.45E-10	-1.63
8031213	NM_006863	LILRA1	NM_006863 // LILRA1 // leukocyte immunoglobulin-like receptor, subfamily A (with	0.026496	0.073998	0.952808	6.51E-10	-1.65
8039859	NM_002255	KIR2DL4	NM_002255 // KIR2DL4 // killer cell immunoglobulin-like receptor, two domains, l	0.956724	0.442255	0.283586	6.52E-10	-1.41
8065427	NM_178311	GGTLC1	NM_178311 // GGTLC1 // gamma-glutamyltransferase light chain 1 // 20p11.1 // 920	0.36972	0.012746	0.450952	6.64E-10	-1.51
8135990	NM_001458	FLNC	NM_001458 // FLNC // filamin C, gamma // 7q32-q35 // 2318 /// NM_001127487 // FL	0.238164	0.224568	0.260109	6.70E-10	1.79

8109612	NM_000679	ADRA1B	NM_000679 // ADRA1B // adrenergic, alpha-1B-, receptor // 5q33.3 // 147 /// ENST	0.793882	0.219686	0.545725	6.71E-10	-1.33
8146357	NM_005914	MCM4	NM_005914 // MCM4 // minichromosome maintenance complex component 4 // 8q11.2 //	0.023012	0.163284	0.602318	7.06E-10	1.53
8026579	NM_024074	TMEM38A	NM_024074 // TMEM38A // transmembrane protein 38A // 19p13.11 // 79041 /// ENST0	0.154684	0.432986	0.719532	7.17E-10	-1.36
8122176	NM_003206	TCF21	NM_003206 // TCF21 // transcription factor 21 // 6pter-qter // 6943 /// NM_19839	0.00232	0.004304	0.305879	7.18E-10	-1.74
7931754	NM_004508	IDI1	NM_004508 // IDI1 // isopentenyl-diphosphate delta isomerase 1 // 10p15.3 // 342	0.805934	0.42678	0.027127	7.20E-10	-1.39
8042788	NM_001615	ACTG2	NM_001615 // ACTG2 // actin, gamma 2, smooth muscle, enteric // 2p13.1 // 72 ///	0.786856	0.136393	0.160325	7.57E-10	2.37
7940226	NM_000139	MS4A2	NM_000139 // MS4A2 // membrane-spanning 4-domains, subfamily A, member 2 (Fc fra	0.000333	0.372819	0.154577	7.76E-10	2.16
8120335	NM_001010872	FAM83B	NM_001010872 // FAM83B // family with sequence similarity 83, member B // 6p12.1	0.557653	0.162682	0.936001	7.83E-10	1.94
7965226	NM_005447	RASSF9	NM_005447 // RASSF9 // Ras association (RalGDS/AF-6) domain family (N-terminal)	0.011199	0.655563	0.443103	7.98E-10	1.83
8111443	NM_181435	C1QTNF3	NM_181435 // C1QTNF3 // C1q and tumor necrosis factor related protein 3 // 5p13	0.209447	0.899978	0.727752	8.15E-10	1.75
7940582	NM_004183	BEST1	NM_004183 // BEST1 // bestrophin 1 // 11q13 // 7439 /// NM_001139443 // BEST1 //	0.259763	0.221549	0.162976	8.20E-10	-1.34

8048283	NM_000578	SLC11A1	NM_000578 // SLC11A1 // solute carrier family 11 (proton-coupled divalent metal	0.218674	0.782997	0.0716124	8.20E-10	-1.88
8057797	NM_004657	SDPR	NM_004657 // SDPR // serum deprivation response // 2q32-q33 // 8436 /// ENST0000	0.011922	0.00058	0.542605	8.25E-10	-1.57
8018774	NM_018414	ST6GALNAC1	NM_018414 // ST6GALNAC1 // ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,	0.797676	0.848426	0.587218	8.34E-10	2.29
8122634	NM_001030060	SAMD5	NM_001030060 // SAMD5 // sterile alpha motif domain containing 5 // 6q24.3 // 38	0.043905	0.038747	0.39482	8.37E-10	-1.50
7904361	NM_017709	FAM46C	NM_017709 // FAM46C // family with sequence similarity 46, member C // 1p12 // 5	0.73751	0.440772	0.718145	8.52E-10	1.59
8043043	NM_001370	DNAH6	NM_001370 // DNAH6 // dynein, axonemal, heavy chain 6 // 2p11.2 // 1768 /// ENST	0.272221	0.178769	0.953451	8.52E-10	3.31
7988672	NM_002112	HDC	NM_002112 // HDC // histidine decarboxylase // 15q21-q22 // 3067 /// ENST0000026	0.06412	0.921256	0.800896	8.66E-10	1.98
8167027	NM_152869	RGN	NM_152869 // RGN // regucalcin (senescence marker protein-30) // Xp11.3 // 9104	0.001798	0.154451	0.422478	8.85E-10	-1.71
8151816	NM_005261	GEM	NM_005261 // GEM // GTP binding protein overexpressed in skeletal muscle // 8q13	0.335044	0.537207	0.259665	9.29E-10	2.11
7955297	NM_001651	AQP5	NM_001651 // AQP5 // aquaporin 5 // 12q13 // 362 /// ENST00000293599 // AQP5 //	0.963189	0.164027	0.503586	9.36E-10	1.76
8134435	NM_014916	LMTK2	NM_014916 // LMTK2 // lemur tyrosine kinase 2 // 7q21.3 // 22853 /// ENST0000029	0.893668	0.181284	0.758891	9.40E-10	-1.40

7909446	NM_005525	HSD11B1	NM_005525 // HSD11B1 // hydroxysteroid (11-beta) dehydrogenase 1 // 1q32-q41 //	0.975347	0.717302	0.618486	9.68E-10	-1.51
7897774	NM_001286	CLCN6	NM_001286 // CLCN6 // chloride channel 6 // 1p36 // 1185 /// NM_021736 // CLCN6	0.147454	0.804907	0.843274	9.86E-10	-1.37
7987815	NM_213600	PLA2G4F	NM_213600 // PLA2G4F // phospholipase A2, group IVF // 15q15.1 // 255189 /// NR_	0.879709	0.190806	0.541167	1.02E-09	-2.42
8081362	NM_024548	CEP97	NM_024548 // CEP97 // centrosomal protein 97kDa // 3q12.3 // 79598 /// ENST00000	0.145204	0.120309	0.926574	1.02E-09	1.49
7899361	NM_177424	STX12	NM_177424 // STX12 // syntaxin 12 // 1p35.3 // 23673 /// ENST00000373943 // STX1	0.384097	0.558241	0.570084	1.02E-09	-1.52
7983890	NM_001018100	GCOM1	NM_001018100 // GCOM1 // GRINL1A complex locus // 15q21.3 // 145781 /// NM_15245	0.217445	0.052866	0.324729	1.03E-09	-2.02
8061013	NM_080826	ISM1	NM_080826 // ISM1 // isthmin 1 homolog (zebrafish) // 20p12.1 // 140862 /// ENST	0.819583	0.808891	0.170894	1.06E-09	1.65
7907370	NM_015569	DNM3	NM_015569 // DNM3 // dynamin 3 // 1q24.3 // 26052 /// NM_001136127 // DNM3 // dy	0.000635	0.16521	0.124742	1.07E-09	-1.43
7925229	NM_152490	B3GALNT2	NM_152490 // B3GALNT2 // beta-1,3-N-acetylgalactosaminyltransferase 2 // 1q42.3	0.255515	0.574746	0.22701	1.07E-09	1.32
7981724	BC021276	IGHD	BC021276 // IGHD // immunoglobulin heavy constant delta // 14q32.33 // 3495 ///	0.35893	0.34634	0.432447	1.08E-09	2.47
8053801	NM_025190	ANKRD36B	NM_025190 // ANKRD36B // ankyrin repeat domain 36B // 2q11.2 // 57730 /// ENST00	0.004039	0.234247	0.361095	1.08E-09	1.76

7981718	BC020240	IGHM	BC020240 // IGHM // immunoglobulin heavy constant mu // 14q32.33 // 3507 /// BC0	0.27953	0.285652	0.454961	1.11E-09	2.30
8046099	NM_001039724	NOSTRIN	NM_001039724 // NOSTRIN // nitric oxide synthase trafficker // 2q31.1 // 115677	0.034824	0.068392	0.496955	1.11E-09	-1.87
7954729	NM_139241	FGD4	NM_139241 // FGD4 // FYVE, RhoGEF and PH domain containing 4 // 12p11.21 // 1215	0.086351	0.744933	0.241496	1.12E-09	-1.47
8003814	NM_000049	ASPA	NM_000049 // ASPA // aspartoacylase // 17p13.3 // 443 /// NM_001128085 // ASPA /	0.019055	0.877784	0.354286	1.13E-09	1.71
7948987	NM_007069	PLA2G16	NM_007069 // PLA2G16 // phospholipase A2, group XVI // 11q12.3 // 11145 /// NM_0	0.205015	0.024188	0.557328	1.14E-09	-1.46
8159142	NM_000093	COL5A1	NM_000093 // COL5A1 // collagen, type V, alpha 1 // 9q34.2-q34.3 // 1289 /// ENS	0.210977	0.280978	0.816639	1.14E-09	1.60
7909768	NM_138796	SPATA17	NM_138796 // SPATA17 // spermatogenesis associated 17 // 1q41 // 128153 /// ENST	0.438255	0.139143	0.933684	1.18E-09	2.87
8090852	NM_016201	AMOTL2	NM_016201 // AMOTL2 // angiomotin like 2 // 3q21-q22 // 51421 /// ENST0000024988	0.034304	0.007688	0.174555	1.18E-09	-1.43
7993341	NM_016561	BFAR	NM_016561 // BFAR // bifunctional apoptosis regulator // 16p13.12 // 51283 /// E	0.45673	0.365644	0.032322	1.20E-09	-1.47
8066848	NM_020820	PREX1	NM_020820 // PREX1 // phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exc	0.148443	0.391916	0.88988	1.22E-09	-1.71
8107591	NM_207317	ZNF474	NM_207317 // ZNF474 // zinc finger protein 474 // 5q23.2 // 133923 /// ENST00000	0.966263	0.229657	0.511893	1.23E-09	1.95

8001423	NM_015272	RPGRIP1L	NM_015272 // RPGRIP1L // RPGRIP1-like // 16q12.2 // 23322 /// NM_001127897 // RP	0.40325	0.019464	0.6982	1.27E-09	2.13
8127094	NM_001512	GSTA4	NM_001512 // GSTA4 // glutathione S-transferase alpha 4 // 6p12.1 // 2941 /// EN	0.332524	0.969351	0.413073	1.29E-09	-1.47
7949104	NM_001098671	RASGRP2	NM_001098671 // RASGRP2 // RAS guanyl releasing protein 2 (calcium and DAG-regul	0.073474	0.909055	0.748583	1.30E-09	-1.43
8079462	NM_015175	NBEAL2	NM_015175 // NBEAL2 // neurobeachin-like 2 // 3p21.31 // 23218 /// ENST000004500	0.159622	0.286434	0.436984	1.31E-09	-1.35
7959893	NM_198827	GPR133	NM_198827 // GPR133 // G protein-coupled receptor 133 // 12q24.33 // 283383 ///	0.423699	0.040619	0.903665	1.34E-09	-1.68
7998784	NM_001089	ABCA3	NM_001089 // ABCA3 // ATP-binding cassette, sub-family A (ABC1), member 3 // 16p	0.099164	0.155218	0.559455	1.34E-09	-2.80
7944955	NM_022062	PKNOX2	NM_022062 // PKNOX2 // PBX/knotted 1 homeobox 2 // 11q24.2 // 63876 /// ENST0000	0.095543	0.293018	0.76633	1.36E-09	-1.53
8097903	NM_003264	TLR2	NM_003264 // TLR2 // toll-like receptor 2 // 4q32 // 7097 /// ENST00000260010 //	0.146442	0.559071	0.208644	1.37E-09	-1.81
8011027	NM_001080779	MYO1C	NM_001080779 // MYO1C // myosin IC // 17p13 // 4641 /// NM_001080950 // MYO1C //	0.506932	0.027973	0.0410526	1.37E-09	-1.38
8154981	NM_006377	UNC13B	NM_006377 // UNC13B // unc-13 homolog B (C. elegans) // 9p13.3 // 10497 /// ENST	0.159467	0.071274	0.413597	1.37E-09	-1.63
8043474	---		---	0.227786	0.713922	0.513394	1.40E-09	2.78
7915926	NM_001048166	STIL	NM_001048166 // STIL // SCL/TAL1 interrupting locus // 1q32|1p32 // 6491 /// NM_	0.049453	0.048621	0.134766	1.43E-09	1.39

7986092	NM_002569	FURIN	NM_002569 // FURIN // furin (paired basic amino acid cleaving enzyme) // 15q26.1	0.004992	0.340182	0.468065	1.46E-09	-1.39
7981732	ENST00000390629	IGHV4-59	ENST00000390629 // IGHV4-59 // immunoglobulin heavy variable 4-59 // 14q32.33 //	0.30893	0.631423	0.567637	1.46E-09	3.46
8014794	NM_199247	CACNB1	NM_199247 // CACNB1 // calcium channel, voltage-dependent, beta 1 subunit // 17q	0.05688	0.875472	0.289182	1.47E-09	-1.32
8116051	NM_080881	DBN1	NM_080881 // DBN1 // drebrin 1 // 5q35.3 // 1627 /// NM_004395 // DBN1 // drebri	0.155004	0.326102	0.851868	1.48E-09	1.36
8132376	NM_032016	STARD3NL	NM_032016 // STARD3NL // STARD3 N-terminal like // 7p14-p13 // 83930 /// ENST000	0.179046	0.144237	0.953328	1.48E-09	-1.40
8099541	NM_000320	QDPR	NM_000320 // QDPR // quinoid dihydropteridine reductase // 4p15.31 // 5860 /// E	0.991635	0.070483	0.200225	1.54E-09	-1.37
8061579	NM_012112	TPX2	NM_012112 // TPX2 // TPX2, microtubule-associated, homolog (Xenopus laevis) // 2	0.003641	0.753501	0.630247	1.55E-09	1.62
7996264	NM_001795	CDH5	NM_001795 // CDH5 // cadherin 5, type 2 (vascular endothelium) // 16q22.1 // 100	0.235324	0.149331	0.367715	1.61E-09	-2.00
8177788	NM_005516	HLA-E	NM_005516 // HLA-E // major histocompatibility complex, class I, E // 6p21.3 //	0.186221	0.034526	0.361238	1.62E-09	-1.43
8179103	NM_005516	HLA-E	NM_005516 // HLA-E // major histocompatibility complex, class I, E // 6p21.3 //	0.186221	0.034526	0.361238	1.62E-09	-1.43
8103975	NR_003542	SLED1	NR_003542 // SLED1 // proteoglycan 3 pseudogene // 4q35.1 // 643036 /// AY358224	0.278942	0.271247	0.799256	1.63E-09	-1.75

7920664	NM_007112	THBS3	NM_007112 // THBS3 // thrombospondin 3 // 1q21 // 7059 /// ENST00000368378 // TH	0.842266	0.203924	0.0139683	1.64E-09	1.46
7913655	NM_002167	ID3	NM_002167 // ID3 // inhibitor of DNA binding 3, dominant negative helix-loop-hel	0.824276	0.017617	0.0753616	1.64E-09	-1.55
8031346	NM_002255	KIR2DL4	NM_002255 // KIR2DL4 // killer cell immunoglobulin-like receptor, two domains, l	0.839414	0.887742	0.0785289	1.66E-09	-1.32
8129273	NM_152730	C6orf170	NM_152730 // C6orf170 // chromosome 6 open reading frame 170 // 6q22.31 // 22132	0.057844	0.503008	0.841151	1.66E-09	1.49
8025672	NM_020428	SLC44A2	NM_020428 // SLC44A2 // solute carrier family 44, member 2 // 19p13.1 // 57153 /	0.121326	0.077949	0.169052	1.70E-09	-1.34
8019796	NM_002359	MAFG	NM_002359 // MAFG // v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (a	0.149039	0.438558	0.767745	1.73E-09	-1.31
7981728	---		---	0.400002	0.404178	0.394199	1.73E-09	2.59
7972003	NM_007249	KLF12	NM_007249 // KLF12 // Kruppel-like factor 12 // 13q22 // 11278 /// ENST000003776	0.00168	0.679009	0.841166	1.76E-09	1.36
8140709	NR_030672	KIAA1324L	NR_030672 // KIAA1324L // KIAA1324-like // 7q21.12 // 222223 /// NM_001142749 //	0.587723	0.698644	0.173628	1.77E-09	-1.93
8047677	NM_006139	CD28	NM_006139 // CD28 // CD28 molecule // 2q33 // 940 /// ENST00000324106 // CD28 //	0.509573	0.362944	0.741957	1.78E-09	1.54
8155214	NM_014791	MELK	NM_014791 // MELK // maternal embryonic leucine zipper kinase // 9p13.2 // 9833	0.003211	0.557581	0.612132	1.85E-09	1.63
7935521	NM_021732	AVPI1	NM_021732 // AVPI1 // arginine vasopressin-induced 1 // 10q24.2 // 60370 /// ENS	0.325104	0.019273	0.0519104	1.85E-09	-1.53

8160168	NM_144966	FREM1	NM_144966 // FREM1 // FRAS1 related extracellular matrix 1 // 9p22.3 // 158326 /	0.002746	0.642997	0.580959	1.86E-09	1.57
8109120	NM_152406	AFAP1L1	NM_152406 // AFAP1L1 // actin filament associated protein 1-like 1 // 5q32 // 13	0.382079	0.458915	0.535657	1.90E-09	-1.45
8102678	NM_001130698	TRPC3	NM_001130698 // TRPC3 // transient receptor potential cation channel, subfamily	0.126735	0.847544	0.676268	1.91E-09	-1.58
7902565	NM_012302	LPHN2	NM_012302 // LPHN2 // latrophilin 2 // 1p31.1 // 23266 /// ENST00000359929 // LP	0.336882	0.277962	0.514633	1.93E-09	-1.80
7951662	NM_001885	CRYAB	NM_001885 // CRYAB // crystallin, alpha B // 11q22.3-q23.1 // 1410 /// ENST00000	0.351871	0.122063	0.763043	1.94E-09	-1.65
8134036	NM_152999	STEAP2	NM_152999 // STEAP2 // six transmembrane epithelial antigen of the prostate 2 //	0.05268	0.541507	0.783967	1.95E-09	1.73
8093997	NM_020777	SORCS2	NM_020777 // SORCS2 // sortilin-related VPS10 domain containing receptor 2 // 4p	0.559287	0.396131	0.630103	1.95E-09	1.45
8141342	NM_000765	CYP3A7	NM_000765 // CYP3A7 // cytochrome P450, family 3, subfamily A, polypeptide 7 //	2.86E-05	0.064743	0.848074	2.03E-09	-1.74
8043449	BC030813	IGK@	BC030813 // IGK@ // immunoglobulin kappa locus // 2p12 // 50802 /// BC016380 //	0.248539	0.848233	0.563994	2.03E-09	3.12
7981730	AB001736	IGLJ3	AB001736 // IGLJ3 // immunoglobulin lambda joining 3 // 22q11.2 // 28831 /// ENS	0.47038	0.269893	0.441957	2.04E-09	2.41
8029914	NM_018485	GPR77	NM_018485 // GPR77 // G protein-coupled receptor 77 // 19q13.33 // 27202 /// ENS	0.01745	0.511181	0.531327	2.05E-09	-1.38

7981722	AK128476	IGHA1	AK128476 // IGHA1 // immunoglobulin heavy constant alpha 1 // 14q32.33 // 3493 /	0.464903	0.26924	0.409119	2.09E-09	2.40
8097080	NM_133477	SYNPO2	NM_133477 // SYNPO2 // synaptopodin 2 // 4q26 // 171024 /// NM_001128933 // SYNP	0.032101	0.944425	0.174504	2.16E-09	2.38
7972713	NM_004093	EFNB2	NM_004093 // EFNB2 // ephrin-B2 // 13q33 // 1948 /// ENST00000245323 // EFNB2 //	0.128727	0.013796	0.343251	2.18E-09	-1.73
8074944	NM_198440	DERL3	NM_198440 // DERL3 // Der1-like domain family, member 3 // 22q11.23 // 91319 ///	0.110565	0.404486	0.761266	2.18E-09	1.82
7911114	NM_018012	KIF26B	NM_018012 // KIF26B // kinesin family member 26B // 1q44 // 55083 /// ENST000004	0.020124	0.136392	0.530918	2.23E-09	1.47
8049990	NM_001002919	FAM150B	NM_001002919 // FAM150B // family with sequence similarity 150, member B // 2p25	0.81428	0.742754	0.551281	2.24E-09	-1.93
7992463	NM_001130012	SLC9A3R2	NM_001130012 // SLC9A3R2 // solute carrier family 9 (sodium/hydrogen exchanger),	0.320057	0.080077	0.200132	2.26E-09	-1.60
8058591	NM_001608	ACADL	NM_001608 // ACADL // acyl-CoA dehydrogenase, long chain // 2q34-q35 // 33 /// E	0.492176	0.37229	0.701913	2.29E-09	-2.33
8158627	NM_014286	NCS1	NM_014286 // NCS1 // neuronal calcium sensor 1 // 9q34 // 23413 /// NM_001128826	0.12386	0.274922	0.146041	2.30E-09	1.49
8158250	NM_016174	CERCAM	NM_016174 // CERCAM // cerebral endothelial cell adhesion molecule // 9q34.11 //	0.063375	0.383549	0.917456	2.35E-09	1.42
8130867	NM_003247	THBS2	NM_003247 // THBS2 // thrombospondin 2 // 6q27 // 7058 /// ENST00000366787 // TH	0.06553	0.342081	0.897269	2.40E-09	2.02

7982663	NM_001211	BUB1B	NM_001211 // BUB1B // budding uninhibited by benzimidazoles 1 homolog beta (yeas	0.002459	0.970479	0.331403	2.40E-09	1.38
8031207	NM_001130917	LILRA2	NM_001130917 // LILRA2 // leukocyte immunoglobulin-like receptor, subfamily A (w	0.403626	0.151348	0.821929	2.41E-09	-1.53
8122734	NM_030949	PPP1R14C	NM_030949 // PPP1R14C // protein phosphatase 1, regulatory (inhibitor) subunit 1	0.094508	0.694193	0.482883	2.45E-09	1.84
7989146	NM_018365	MNS1	NM_018365 // MNS1 // meiosis-specific nuclear structural 1 // 15q21.3 // 55329 /	0.412612	0.12077	0.990046	2.53E-09	2.65
8036503	NM_170604	RASGRP4	NM_170604 // RASGRP4 // RAS guanyl releasing protein 4 // 19q13.1 // 115727 ///	0.69106	0.564057	0.406992	2.54E-09	-1.37
8109086	NM_000024	ADRB2	NM_000024 // ADRB2 // adrenergic, beta-2-, receptor, surface // 5q31-q32 // 154	0.016461	0.000915	0.950172	2.55E-09	-1.32
8076355	NM_002676	PMM1	NM_002676 // PMM1 // phosphomannomutase 1 // 22q13.2 // 5372 /// ENST00000216259	0.975536	0.038085	0.716825	2.58E-09	-1.35
7950764	NM_001364	DLG2	NM_001364 // DLG2 // discs, large homolog 2 (Drosophila) // 11q14.1 // 1740 ///	0.583473	0.345687	0.370156	2.58E-09	1.69
7956878	NM_007199	IRAK3	NM_007199 // IRAK3 // interleukin-1 receptor-associated kinase 3 // 12q14.3 // 1	0.392167	0.03087	0.106815	2.64E-09	-1.66
8163775	NM_001080497	MEGF9	NM_001080497 // MEGF9 // multiple EGF-like-domains 9 // 9q32-q33.3 // 1955 /// E	0.115585	0.142075	0.600512	2.64E-09	-1.57
7981601	BX538077	IGHA2	BX538077 // IGHA2 // immunoglobulin heavy constant alpha 2 (A2m marker) // 14q32	0.198906	0.363484	0.734149	2.66E-09	2.37

8091910	NM_006217	SERPINI2	NM_006217 // SERPINI2 // serpin peptidase inhibitor, clade I (pancpin), member 2	0.149311	0.121643	0.636902	2.68E-09	2.14
8154233	NM_014143	CD274	NM_014143 // CD274 // CD274 molecule // 9p24 // 29126 /// ENST00000381577 // CD2	0.662542	0.874523	0.089042	2.76E-09	-2.30
8133788	NM_002835	PTPN12	NM_002835 // PTPN12 // protein tyrosine phosphatase, non-receptor type 12 // 7q1	0.253849	0.836113	0.120558	2.79E-09	-1.34
7951479	NM_003063	SLN	NM_003063 // SLN // sarcolipin // 11q22-q23 // 6588 /// ENST00000305991 // SLN /	0.967134	0.072249	0.0256693	2.85E-09	2.40
8091354	NM_003071	HLTF	NM_003071 // HLTF // helicase-like transcription factor // 3q25.1-q26.1 // 6596	0.078832	0.144403	0.914605	2.85E-09	1.41
7989073	NM_173814	PRTG	NM_173814 // PRTG // protogenin // 15q21.3 // 283659 /// ENST00000389286 // PRTG	0.098299	0.428437	0.989983	2.86E-09	-1.57
8015366	NM_000526	KRT14	NM_000526 // KRT14 // keratin 14 // 17q12-q21 // 3861 /// ENST00000167586 // KRT	0.005525	0.597755	0.916963	2.88E-09	1.54
7917850	NM_004815	ARHGAP29	NM_004815 // ARHGAP29 // Rho GTPase activating protein 29 // 1p22.1 // 9411 ///	0.00503	0.047723	0.423312	2.91E-09	-1.67
8157193	NM_133464	ZNF483	NM_133464 // ZNF483 // zinc finger protein 483 // 9q31.3 // 158399 /// NM_001007	0.004527	0.921571	0.181081	2.91E-09	1.35
8078461	NM_012157	FBXL2	NM_012157 // FBXL2 // F-box and leucine-rich repeat protein 2 // 3p22.3 // 25827	0.029818	0.227689	0.998751	3.03E-09	1.50
7989647	NM_014736	KIAA0101	NM_014736 // KIAA0101 // KIAA0101 // 15q22.31 // 9768 /// NM_001029989 // KIAA01	0.000184	0.30816	0.496034	3.04E-09	1.84

8045323	NM_013310	C2orf27A	NM_013310 // C2orf27A // chromosome 2 open reading frame 27A // 2q21.2 // 29798	0.012443	0.412511	0.394145	3.04E-09	1.40
8161964	NM_174938	FRMD3	NM_174938 // FRMD3 // FERM domain containing 3 // 9q21.32 // 257019 /// ENST0000	0.000124	0.071432	0.877053	3.05E-09	-1.35
7999387	NM_001424	EMP2	NM_001424 // EMP2 // epithelial membrane protein 2 // 16p13.2 // 2013 /// ENST00	0.197951	0.008775	0.164244	3.08E-09	-1.71
8084165	NM_003106	SOX2	NM_003106 // SOX2 // SRY (sex determining region Y)-box 2 // 3q26.3-q27 // 6657	0.652878	0.290406	0.972607	3.09E-09	2.78
8173745	NM_006639	CYSLTR1	NM_006639 // CYSLTR1 // cysteinyl leukotriene receptor 1 // Xq13.2-q21.1 // 1080	0.070009	0.379666	0.0059345	3.09E-09	1.68
8085062	NM_000564	IL5RA	NM_000564 // IL5RA // interleukin 5 receptor, alpha // 3p26-p24 // 3568 /// NM_1	0.063384	0.283552	0.99728	3.13E-09	2.47
7912257	NM_001009566	CLSTN1	NM_001009566 // CLSTN1 // calsyntenin 1 // 1p36.22 // 22883 /// NM_014944 // CLS	0.616096	0.860649	0.496375	3.15E-09	1.29
7971077	NM_006475	POSTN	NM_006475 // POSTN // periostin, osteoblast specific factor // 13q13.3 // 10631	0.63572	0.223909	0.723659	3.20E-09	2.74
8121087	NM_001010853	PM20D2	NM_001010853 // PM20D2 // peptidase M20 domain containing 2 // 6q15 // 135293 //	0.870552	0.006705	0.356647	3.22E-09	1.44
7977621	NM_201540	NDRG2	NM_201540 // NDRG2 // NDRG family member 2 // 14q11.2 // 57447 /// NM_201535 //	0.030483	0.082561	0.571536	3.26E-09	-1.44
7896822	NM_198576	AGRN	NM_198576 // AGRN // agrin // 1p36.33 // 375790 /// ENST00000379370 // AGRN // a	0.531789	0.034316	0.880304	3.27E-09	1.37

8142194	NM_002291	LAMB1	NM_002291 // LAMB1 // laminin, beta 1 // 7q22 // 3912 /// ENST00000222399 // LAM	0.513279	0.208863	0.418355	3.27E-09	-1.62
8085164	NM_014850	SRGAP3	NM_014850 // SRGAP3 // SLIT-ROBO Rho GTPase activating protein 3 // 3p25.3 // 99	0.201803	0.373565	0.992661	3.28E-09	1.70
8131091	NM_002360	MAFK	NM_002360 // MAFK // v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (a	0.101917	0.015331	0.22362	3.29E-09	-1.28
8073081	NM_145298	APOBEC3F	NM_145298 // APOBEC3F // apolipoprotein B mRNA editing enzyme, catalytic polypep	0.683435	0.245529	0.828266	3.30E-09	1.46
8057898	NM_020760	HECW2	NM_020760 // HECW2 // HECT, C2 and WW domain containing E3 ubiquitin protein lig	0.390688	0.078644	0.236344	3.32E-09	-2.60
7975412	NM_015351	TTC9	NM_015351 // TTC9 // tetratricopeptide repeat domain 9 // 14q24.2 // 23508 /// E	0.008214	0.819729	0.216408	3.36E-09	1.37
8171435	NM_003662	PIR	NM_003662 // PIR // pirin (iron-binding nuclear protein) // Xp22.2 // 8544 /// N	0.563023	0.759538	0.878644	3.38E-09	-1.46
8001102	---		---	0.196172	0.172094	0.500811	3.39E-09	2.08
7913858	NM_178422	PAQR7	NM_178422 // PAQR7 // progestin and adipoQ receptor family member VII // 1p36.11	0.707292	0.133157	0.0767287	3.47E-09	1.35
7953651	NM_001131023	PEX5	NM_001131023 // PEX5 // peroxisomal biogenesis factor 5 // 12p13.31 // 5830 ///	0.020105	0.161574	0.954915	3.49E-09	-1.29
8043476	ENST00000493819	LOC652493	ENST00000493819 // LOC652493 // ig kappa chain V-I region HK102-like // --- // 6	0.212186	0.652206	0.247452	3.52E-09	2.95
7924450	NM_007207	DUSP10	NM_007207 // DUSP10 // dual specificity phosphatase 10 // 1q41 // 11221 /// NM_1	0.891282	0.224101	0.790293	3.54E-09	1.46

8116874	NM_001040274	SYCP2L	NM_001040274 // SYCP2L // synaptonemal complex protein 2-like // 6p24.2 // 22171	0.205947	0.855911	0.0659028	3.56E-09	-1.33
7943984	NM_006006	ZBTB16	NM_006006 // ZBTB16 // zinc finger and BTB domain containing 16 // 11q23.1 // 77	0.565691	0.42188	0.873851	3.56E-09	-2.60
7981720	ENST00000390624	IGHV3-48	ENST00000390624 // IGHV3-48 // immunoglobulin heavy variable 3-48 // 14q32.33 //	0.306925	0.27175	0.325836	3.58E-09	2.16
7974047	NM_001049	SSTR1	NM_001049 // SSTR1 // somatostatin receptor 1 // 14q13 // 6751 /// ENST000002673	0.107525	0.577118	0.358578	3.63E-09	-1.33
8102560	NM_002358	MAD2L1	NM_002358 // MAD2L1 // MAD2 mitotic arrest deficient-like 1 (yeast) // 4q27 // 4	0.478783	0.367324	0.40856	3.66E-09	1.31
8091780	NM_001038628	B3GALNT1	NM_001038628 // B3GALNT1 // beta-1,3-N-acetylgalactosaminyltransferase 1 (globos	0.034613	0.486811	0.836156	3.70E-09	-1.66
7979204	NM_006832	FERMT2	NM_006832 // FERMT2 // fermitin family member 2 // 14q22.1 // 10979 /// NM_00113	0.846759	0.917027	0.236422	3.71E-09	-1.43
8066985	AK299337	FAM65C	AK299337 // FAM65C // family with sequence similarity 65, member C // 20q13.13 /	0.984735	0.333462	0.624951	3.75E-09	-1.33
8003656	NM_001165920	SERPINF2	NM_001165920 // SERPINF2 // serpin peptidase inhibitor, clade F (alpha-2 antipla	0.038435	0.109615	0.67625	3.83E-09	-1.43
8038407	NM_006270	RRAS	NM_006270 // RRAS // related RAS viral (r-ras) oncogene homolog // 19q13.3-qter	0.548031	0.099734	0.667844	3.88E-09	-1.49
8123315	NM_206855	QKI	NM_206855 // QKI // quaking homolog, KH domain RNA binding (mouse) // 6q26 // 94	0.270457	0.234748	0.710855	3.89E-09	-1.37

8094533	NM_001136536	DTHD1	NM_001136536 // DTHD1 // death domain containing 1 // 4p14 // 401124 /// NM_0011	0.138899	0.354655	0.992737	3.89E-09	3.77
7940717	NM_001012661	SLC3A2	NM_001012661 // SLC3A2 // solute carrier family 3 (activators of dibasic and neu	0.002598	0.604788	0.885482	3.90E-09	-1.31
8117890	NM_005516	HLA-E	NM_005516 // HLA-E // major histocompatibility complex, class I, E // 6p21.3 //	0.299716	0.046719	0.370363	3.91E-09	-1.37
8167763	NM_022117	TSPYL2	NM_022117 // TSPYL2 // TSPY-like 2 // Xp11.2 // 64061 /// ENST00000375442 // TSP	0.03778	0.235009	0.443417	3.92E-09	-1.52
7946504	NM_015012	TMEM41B	NM_015012 // TMEM41B // transmembrane protein 41B // 11p15.4 // 440026 /// NR_02	0.533309	0.310515	0.27719	3.98E-09	-1.39
8062794	---		---	0.263593	0.026439	0.0215077	3.99E-09	-1.39
8042942	NM_000189	HK2	NM_000189 // HK2 // hexokinase 2 // 2p13 // 3099 /// ENST00000290573 // HK2 // h	0.328116	0.53338	0.0106858	3.99E-09	-1.61
8048227	NM_001557	CXCR2	NM_001557 // CXCR2 // chemokine (C-X-C motif) receptor 2 // 2q35 // 3579 /// NM_	0.390795	0.762125	0.636228	4.07E-09	-1.92
8047381	NM_003879	CFLAR	NM_003879 // CFLAR // CASP8 and FADD-like apoptosis regulator // 2q33-q34 // 883	0.021239	0.895071	0.408663	4.08E-09	-1.34
8043431	AF113887	IGKC	AF113887 // IGKC // immunoglobulin kappa constant // 2p12 // 3514 /// AF113887 /	0.320113	0.808346	0.488711	4.14E-09	2.82
8043470	ENST00000483158	IGKV3D-11	ENST00000483158 // IGKV3D-11 // immunoglobulin kappa variable 3D-11 // 2p12 // 2	0.264651	0.816021	0.331813	4.16E-09	3.23
7928147	NM_139155	ADAMTS14	NM_139155 // ADAMTS14 // ADAM metallopeptidase with thrombospondin type 1 motif,	0.223183	0.064372	0.593116	4.18E-09	1.35

8158183	NM_004408	DNM1	NM_004408 // DNM1 // dynamin 1 // 9q34 // 1759 /// NM_001005336 // DNM1 // dynam	0.807543	0.596857	0.655254	4.27E-09	1.39
8060675	NM_021873	CDC25B	NM_021873 // CDC25B // cell division cycle 25 homolog B (S. pombe) // 20p13 // 9	0.384249	0.548435	0.252715	4.32E-09	-1.43
8151223	NM_030958	SLCO5A1	NM_030958 // SLCO5A1 // solute carrier organic anion transporter family, member	0.370579	0.308145	0.935196	4.33E-09	1.33
8106141	NM_138782	FCHO2	NM_138782 // FCHO2 // FCH domain only 2 // 5q13.2 // 115548 /// NM_001146032 //	0.072039	0.629539	0.329346	4.33E-09	-1.42
8136448	NM_001006630	CHRM2	NM_001006630 // CHRM2 // cholinergic receptor, muscarinic 2 // 7q31-q35 // 1129	0.283643	0.887144	0.368881	4.35E-09	-1.49
7925028	NM_198552	FAM89A	NM_198552 // FAM89A // family with sequence similarity 89, member A // 1q42.2 //	0.404607	0.119301	0.0671575	4.37E-09	-1.37
8122827	NM_025059	C6orf97	NM_025059 // C6orf97 // chromosome 6 open reading frame 97 // 6q25.1 // 80129 //	0.294668	0.177593	0.979241	4.45E-09	2.61
7910651	NM_001079515	TBCE	NM_001079515 // TBCE // tubulin folding cofactor E // 1q42.3 // 6905 /// NM_0031	0.866021	0.454442	0.811312	4.54E-09	-1.32
8043360	BC030813	IGK@	BC030813 // IGK@ // immunoglobulin kappa locus // 2p12 // 50802 /// ENST00000483	0.200909	0.645473	0.526224	4.57E-09	2.75
7932637	NM_014915	ANKRD26	NM_014915 // ANKRD26 // ankyrin repeat domain 26 // 10pter-q22.1 // 22852 /// EN	0.001695	0.070027	0.366014	4.60E-09	1.53
8146957	NM_015886	PI15	NM_015886 // PI15 // peptidase inhibitor 15 // 8q21.11 // 51050 /// ENST00000260	0.000384	0.021392	0.118221	4.67E-09	2.47

8110106	NM_001131055	HRH2	NM_001131055 // HRH2 // histamine receptor H2 // 5q35.2 // 3274 /// NM_022304 //	0.005173	0.271512	0.0877338	4.68E-09	-1.39
7960730	NM_005768	LPCAT3	NM_005768 // LPCAT3 // lysophosphatidylcholine acyltransferase 3 // 12p13 // 101	0.322783	0.712905	0.186569	4.68E-09	-1.45
8111101	NM_054027	ANKH	NM_054027 // ANKH // ankylosis, progressive homolog (mouse) // 5p15.1 // 56172 /	0.891665	0.700809	0.10654	4.71E-09	1.28
8131631	NM_178423	HDAC9	NM_178423 // HDAC9 // histone deacetylase 9 // 7p21.1 // 9734 /// NM_178425 // H	0.114018	0.525303	0.4513	4.73E-09	1.33
7983256	NM_001015001	CKMT1A	NM_001015001 // CKMT1A // creatine kinase, mitochondrial 1A // 15q15 // 548596 /	0.109939	0.177364	0.375787	4.73E-09	2.13
7966738	BC019843	C12orf49	BC019843 // C12orf49 // chromosome 12 open reading frame 49 // 12q24.22 // 79794	0.130143	0.039388	0.194227	4.75E-09	-1.36
7922994	NM_199051	FAM5C	NM_199051 // FAM5C // family with sequence similarity 5, member C // 1q31.1 // 3	0.35994	0.125891	0.42616	4.75E-09	1.67
8127072	NM_145740	GSTA1	NM_145740 // GSTA1 // glutathione S-transferase alpha 1 // 6p12.1 // 2938 /// EN	0.875818	0.14472	0.971436	4.78E-09	3.26
8041447	NM_016441	CRIM1	NM_016441 // CRIM1 // cysteine rich transmembrane BMP regulator 1 (chordin-like)	0.004709	0.032065	0.0950299	5.01E-09	-1.39
8151999	NM_015668	RGS22	NM_015668 // RGS22 // regulator of G-protein signaling 22 // 8q22.2 // 26166 ///	0.231198	0.076588	0.997766	5.08E-09	2.55
8133062	NM_021148	ZNF273	NM_021148 // ZNF273 // zinc finger protein 273 // 7q11.21 // 10793 /// NR_003099	0.055187	0.033413	0.23086	5.10E-09	1.62

8144121	NM_002847	PTPRN2	NM_002847 // PTPRN2 // protein tyrosine phosphatase, receptor type, N polypeptid	0.307005	0.564094	0.177709	5.10E-09	1.30
8023220	NM_005904	SMAD7	NM_005904 // SMAD7 // SMAD family member 7 // 18q21.1 // 4092 /// NM_001190821 /	0.530655	0.258344	0.731764	5.10E-09	-1.48
7983650	NM_003645	SLC27A2	NM_003645 // SLC27A2 // solute carrier family 27 (fatty acid transporter), membe	0.248063	0.07788	0.964455	5.29E-09	3.45
7986110	NM_002005	FES	NM_002005 // FES // feline sarcoma oncogene // 15q26.1 // 2242 /// NM_001143783	0.097958	0.159106	0.407496	5.30E-09	-1.28
8027566	NM_001806	CEBPG	NM_001806 // CEBPG // CCAAT/enhancer binding protein (C/EBP), gamma // 19q13.11	0.731602	0.562612	0.868301	5.40E-09	-1.29
7909285	NM_006212	PFKFB2	NM_006212 // PFKFB2 // 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 //	0.580189	0.987822	0.550015	5.41E-09	-1.67
8168045	NM_004429	EFNB1	NM_004429 // EFNB1 // ephrin-B1 // Xq12 // 1947 /// ENST00000204961 // EFNB1 //	0.359426	0.133013	0.385164	5.50E-09	-1.38
8002492	NM_032821	HYDIN	NM_032821 // HYDIN // hydrocephalus inducing homolog (mouse) // 16q22.2 // 54768	0.121374	0.121342	0.938641	5.73E-09	3.10
8172225	NM_025184	EFHC2	NM_025184 // EFHC2 // EF-hand domain (C-terminal) containing 2 // Xp11.3 // 8025	0.580812	0.874834	0.976398	5.87E-09	2.34
7975076	NM_021979	HSPA2	NM_021979 // HSPA2 // heat shock 70kDa protein 2 // 14q24.1 // 3306 /// ENST0000	0.041743	0.713879	0.0639785	5.91E-09	-1.43
8129637	NM_004665	VNN2	NM_004665 // VNN2 // vanin 2 // 6q23-q24 // 8875 /// NM_078488 // VNN2 // vanin	0.486574	0.829828	0.976792	5.96E-09	-2.19

8019090	NM_001080395	AATK	NM_001080395 // AATK // apoptosis-associated tyrosine kinase // 17q25.3 // 9625	0.865398	0.0372	0.916238	5.96E-09	-1.31
8014259	NM_001129820	SLFN14	NM_001129820 // SLFN14 // schlafen family member 14 // 17q12 // 342618 /// ENST0	0.861368	0.164389	0.0633442	5.96E-09	-1.29
8040223	NM_001165931	RRM2	NM_001165931 // RRM2 // ribonucleotide reductase M2 // 2p25-p24 // 6241 /// NM_0	0.002172	0.600714	0.445942	5.97E-09	1.40
7979307	NM_014750	DLGAP5	NM_014750 // DLGAP5 // discs, large (Drosophila) homolog-associated protein 5 //	0.002931	0.922268	0.68146	6.11E-09	1.57
8058708	NM_173076	ABCA12	NM_173076 // ABCA12 // ATP-binding cassette, sub-family A (ABC1), member 12 // 2	0.026573	0.223896	0.338026	6.13E-09	1.49
8152828	NM_031415	GSDMC	NM_031415 // GSDMC // gasdermin C // 8q24.21 // 56169 /// ENST00000276708 // GSD	0.008293	0.07551	0.322776	6.18E-09	1.39
8031297	NM_014218	KIR2DL1	NM_014218 // KIR2DL1 // killer cell immunoglobulin-like receptor, two domains, l	0.930255	0.069662	0.199894	6.20E-09	-1.60
8016932	NM_000250	MPO	NM_000250 // MPO // myeloperoxidase // 17q23.1 // 4353 /// ENST00000225275 // MP	0.659667	0.325448	0.634994	6.21E-09	-1.54
8053690	BC032451	IGK@	BC032451 // IGK@ // immunoglobulin kappa locus // 2p12 // 50802 /// BC030813 //	0.200399	0.622161	0.437588	6.49E-09	2.76
7903358	NM_001078	VCAM1	NM_001078 // VCAM1 // vascular cell adhesion molecule 1 // 1p32-p31 // 7412 ///	0.138814	0.304099	0.733229	6.58E-09	2.79
8035506	NM_004750	CRLF1	NM_004750 // CRLF1 // cytokine receptor-like factor 1 // 19p12 // 9244 /// ENST0	0.014938	0.620052	0.112655	6.77E-09	1.45

8068383	NM_053277	CLIC6	NM_053277 // CLIC6 // chloride intracellular channel 6 // 21q22.12 // 54102 ///	0.231958	0.301658	0.974105	7.00E-09	2.31
8042168	NM_001129993	KIAA1841	NM_001129993 // KIAA1841 // KIAA1841 // 2q14 // 84542 /// NM_032506 // KIAA1841	0.007161	0.154439	0.722097	7.03E-09	1.57
7978553	NM_138288	C14orf147	NM_138288 // C14orf147 // chromosome 14 open reading frame 147 // 14q13.1 // 171	0.122881	0.560179	0.943907	7.06E-09	-1.49
7984932	NM_001178111	SCAMP5	NM_001178111 // SCAMP5 // secretory carrier membrane protein 5 // 15q24.2 // 192	0.176058	0.812132	0.557774	7.08E-09	1.32
7937079	NM_004052	BNIP3	NM_004052 // BNIP3 // BCL2/adenovirus E1B 19kDa interacting protein 3 // 10q26.3	0.607275	0.792155	0.834281	7.15E-09	-1.45
8012349	NM_002616	PER1	NM_002616 // PER1 // period homolog 1 (Drosophila) // 17p13.1 // 5187 /// ENST00	0.647416	0.107191	0.973217	7.19E-09	-1.94
7897044	NM_002744	PRKCZ	NM_002744 // PRKCZ // protein kinase C, zeta // 1p36.33-p36.2 // 5590 /// NM_001	0.715197	0.016841	0.460973	7.56E-09	-1.45
7962058	NM_175861	TMTC1	NM_175861 // TMTC1 // transmembrane and tetratricopeptide repeat containing 1 //	0.053648	0.574019	0.591376	7.64E-09	-1.77
8009227	NM_002805	PSMC5	NM_002805 // PSMC5 // proteasome (prosome, macropain) 26S subunit, ATPase, 5 //	0.196276	0.35484	0.240117	7.67E-09	-1.27
7955063	NM_001143842	TMEM106C	NM_001143842 // TMEM106C // transmembrane protein 106C // 12q13.1 // 79022 /// N	0.772408	0.395845	0.874564	7.71E-09	-1.43
7940028	NM_000062	SERPING1	NM_000062 // SERPING1 // serpin peptidase inhibitor, clade G (C1 inhibitor), mem	0.027857	0.182379	0.732114	7.72E-09	-1.34

8030630	NM_007121	NR1H2	NM_007121 // NR1H2 // nuclear receptor subfamily 1, group H, member 2 // 19q13.3	0.55423	0.017783	0.473297	7.74E-09	-1.26
8163716	NM_014618	DBC1	NM_014618 // DBC1 // deleted in bladder cancer 1 // 9q32-q33 // 1620 /// ENST000	0.030349	0.647056	0.904762	7.75E-09	-1.59
8143790	NM_014020	TMEM176B	NM_014020 // TMEM176B // transmembrane protein 176B // 7q36.1 // 28959 /// NM_00	0.088022	0.27843	0.134357	7.81E-09	1.43
8155707	NM_004817	TJP2	NM_004817 // TJP2 // tight junction protein 2 (zona occludens 2) // 9q13-q21 //	0.263008	0.541617	0.544408	7.85E-09	-1.30
8043456	---		---	0.176486	0.249581	0.531652	7.87E-09	2.08
7968866	NM_182508	C13orf30	NM_182508 // C13orf30 // chromosome 13 open reading frame 30 // 13q14.11 // 1448	0.221435	0.36528	0.991805	7.89E-09	4.34
7972217	NM_005842	SPRY2	NM_005842 // SPRY2 // sprouty homolog 2 (Drosophila) // 13q31.1 // 10253 /// ENS	0.578326	6.86E-05	0.646457	7.93E-09	-1.38
8017547	NM_001099786	ICAM2	NM_001099786 // ICAM2 // intercellular adhesion molecule 2 // 17q23-q25 // 3384	0.174252	0.001221	0.394993	7.95E-09	-1.61
8053715	---		---	0.141579	0.337719	0.541153	7.95E-09	2.05
7956261	NM_002898	RBMS2	NM_002898 // RBMS2 // RNA binding motif, single stranded interacting protein 2 /	0.542204	0.211268	0.737623	8.04E-09	-1.40
8067140	NM_000782	CYP24A1	NM_000782 // CYP24A1 // cytochrome P450, family 24, subfamily A, polypeptide 1 /	0.201801	0.292089	0.617709	8.05E-09	3.16
7920552	NM_002249	KCNN3	NM_002249 // KCNN3 // potassium intermediate/small conductance calcium-activated	0.284768	0.346184	0.794669	8.07E-09	1.49
8146788	---		---	0.041491	0.047141	0.280513	8.45E-09	1.92

7945232	NM_139055	ADAMTS15	NM_139055 // ADAMTS15 // ADAM metallopeptidase with thrombospondin type 1 motif,	0.153733	0.852521	0.720154	8.56E-09	-1.52
8007290	NM_170607	MLX	NM_170607 // MLX // MAX-like protein X // 17q21.1 // 6945 /// NM_198204 // MLX /	0.484021	0.575574	0.0347273	8.63E-09	-1.29
7938295	NM_000990	RPL27A	NM_000990 // RPL27A // ribosomal protein L27a // 11p15 // 6157 /// ENST000003141	0.13681	0.133671	0.582467	8.64E-09	-1.46
8007427	NM_003734	AOC3	NM_003734 // AOC3 // amine oxidase, copper containing 3 (vascular adhesion prote	0.742954	0.097181	0.453667	8.75E-09	-1.36
7923086	NM_018136	ASPM	NM_018136 // ASPM // asp (abnormal spindle) homolog, microcephaly associated (Dr	0.047087	0.711678	0.870283	8.76E-09	1.56
8173924	---		---	0.024752	0.002542	0.765102	8.82E-09	-2.37
7995263	ENST00000390624	IGHV3-48	ENST00000390624 // IGHV3-48 // immunoglobulin heavy variable 3-48 // 14q32.33 //	0.360007	0.32544	0.495932	8.99E-09	2.62
7947274	NM_001584	MPPED2	NM_001584 // MPPED2 // metallophosphoesterase domain containing 2 // 11p13 // 74	0.693623	0.353343	0.559121	9.04E-09	1.41
8018114	NM_001144952	SDK2	NM_001144952 // SDK2 // sidekick homolog 2 (chicken) // 17q25.1 // 54549 /// ENS	0.430894	0.751542	0.768349	9.05E-09	1.30
7902808	NR_026989	LOC339524	NR_026989 // LOC339524 // hypothetical LOC339524 // 1p22.3 // 339524 /// ENST000	0.497923	0.928202	0.548184	9.21E-09	1.74
8113666	NM_020796	SEMA6A	NM_020796 // SEMA6A // sema domain, transmembrane domain (TM), and cytoplasmic d	0.326044	0.043084	0.708351	9.22E-09	-1.98
8084788	NM_006580	CLDN16	NM_006580 // CLDN16 // claudin 16 // 3q28 // 10686 /// ENST00000264734 // CLDN16	0.969146	0.407963	0.974331	9.25E-09	1.89

7970716	NM_153371	LNX2	NM_153371 // LNX2 // ligand of numb-protein X 2 // 13q12.2 // 222484 /// ENST000	0.459983	0.25197	0.303082	9.30E-09	-1.43
7967358	NM_020845	PITPNM2	NM_020845 // PITPNM2 // phosphatidylinositol transfer protein, membrane-associat	0.811884	0.2546	0.983271	9.32E-09	-1.38
7948249	NM_003627	SLC43A1	NM_003627 // SLC43A1 // solute carrier family 43, member 1 // 11p11.2-p11.1 // 8	0.453145	0.335991	0.362212	9.41E-09	-1.32
7900540	NM_173642	RIMKLA	NM_173642 // RIMKLA // ribosomal modification protein rimK-like family member A	0.286515	0.009863	0.75415	9.71E-09	-1.33
7917433	NM_020729	ODF2L	NM_020729 // ODF2L // outer dense fiber of sperm tails 2-like // 1p22.3 // 57489	0.022581	0.01877	0.27074	9.71E-09	1.71
8095986	NM_005139	ANXA3	NM_005139 // ANXA3 // annexin A3 // 4q21.21 // 306 /// ENST00000264908 // ANXA3	0.331236	0.028324	0.316995	9.82E-09	-2.10
8091757	NM_173084	TRIM59	NM_173084 // TRIM59 // tripartite motif-containing 59 // 3q25.33 // 286827 /// E	0.393811	0.311529	0.812398	9.85E-09	1.39
8001104	---		---	0.310014	0.331428	0.38934	9.86E-09	2.41
8038824	NM_033130	SIGLEC10	NM_033130 // SIGLEC10 // sialic acid binding Ig-like lectin 10 // 19q13.3 // 897	0.0041	0.222221	0.171276	9.88E-09	-1.58
7950374	NM_182904	P4HA3	NM_182904 // P4HA3 // prolyl 4-hydroxylase, alpha polypeptide III // 11q13.4 //	0.147494	0.160226	0.641208	9.91E-09	1.40
7899192	NM_002953	RPS6KA1	NM_002953 // RPS6KA1 // ribosomal protein S6 kinase, 90kDa, polypeptide 1 // 1p	0.400688	0.303831	0.258038	9.98E-09	-1.34
7983239	NM_001015001	CKMT1A	NM_001015001 // CKMT1A // creatine kinase, mitochondrial 1A // 15q15 // 548596 /	0.093376	0.148284	0.384318	1.02E-08	2.01

8013989	NM_001045	SLC6A4	NM_001045 // SLC6A4 // solute carrier family 6 (neurotransmitter transporter, se	0.385541	0.041142	0.118514	1.03E-08	-5.47
8002347	NM_001605	AARS	NM_001605 // AARS // alanyl-tRNA synthetase // 16q22 // 16 /// ENST00000261772 /	0.259021	0.998822	0.749812	1.06E-08	-1.31
7901175	NM_005727	TSPAN1	NM_005727 // TSPAN1 // tetraspanin 1 // 1p34.1 // 10103 /// ENST00000372003 // T	0.545801	0.846807	0.851835	1.07E-08	3.52
8097628	NM_022475	HHIP	NM_022475 // HHIP // hedgehog interacting protein // 4q28-q32 // 64399 /// ENST0	0.241573	0.068495	0.13725	1.07E-08	-2.55
8154823	ENST00000290943	ANKRD18B	ENST00000290943 // ANKRD18B // ankyrin repeat domain 18B // 9p13.3 // 441459 ///	0.799268	0.154609	0.405427	1.08E-08	2.14
8133721	NM_001540	HSPB1	NM_001540 // HSPB1 // heat shock 27kDa protein 1 // 7q11.23 // 3315 /// ENST0000	0.539393	0.966259	0.145425	1.09E-08	1.43
8089659	AK302488	KIAA1407	AK302488 // KIAA1407 // KIAA1407 // 3q13.31 // 57577 /// NM_020817 // KIAA1407 /	0.027922	0.209036	0.737523	1.10E-08	1.83
7908496	NM_005666	CFHR2	NM_005666 // CFHR2 // complement factor H-related 2 // 1q31.3 // 3080 /// ENST00	0.488002	0.061152	0.0010564	1.11E-08	1.34
8048205	NM_000597	IGFBP2	NM_000597 // IGFBP2 // insulin-like growth factor binding protein 2, 36kDa // 2q	0.209895	0.765698	0.982887	1.11E-08	1.53
8125919	NM_001145775	FKBP5	NM_001145775 // FKBP5 // FK506 binding protein 5 // 6p21.31 // 2289 /// NM_00411	0.837351	0.123281	0.636175	1.13E-08	-2.40
7952453	NM_019055	ROBO4	NM_019055 // ROBO4 // roundabout homolog 4, magic roundabout (Drosophila) // 11q	0.723458	0.522183	0.352958	1.13E-08	-1.72

8116910	NM_002114	HIVEP1	NM_002114 // HIVEP1 // human immunodeficiency virus type I enhancer binding prot	0.739483	0.091834	0.869476	1.14E-08	1.42
7933733	NM_198215	FAM13C	NM_198215 // FAM13C // family with sequence similarity 13, member C // 10q21.1 /	0.000119	0.658519	0.113778	1.19E-08	1.63
7907657	NM_152663	RALGPS2	NM_152663 // RALGPS2 // Ral GEF with PH domain and SH3 binding motif 2 // 1q25.2	0.751706	0.104062	0.870536	1.19E-08	1.88
7914648	NM_198040	PHC2	NM_198040 // PHC2 // polyhomeotic homolog 2 (Drosophila) // 1p34.3 // 1912 /// N	0.025914	0.541896	0.189298	1.20E-08	-1.26
7905789	NM_000565	IL6R	NM_000565 // IL6R // interleukin 6 receptor // 1q21 // 3570 /// NM_181359 // IL6	0.050583	0.512281	0.373084	1.20E-08	-1.32
7981740	BC073771	IGHA1	BC073771 // IGHA1 // immunoglobulin heavy constant alpha 1 // 14q32.33 // 3493 /	0.53886	0.364135	0.475589	1.21E-08	2.38
8083240	NM_031850	AGTR1	NM_031850 // AGTR1 // angiotensin II receptor, type 1 // 3q24 // 185 /// NM_0006	0.175359	0.252665	0.999233	1.24E-08	-1.59
7897263	NM_207396	RNF207	NM_207396 // RNF207 // ring finger protein 207 // 1p36.31 // 388591 /// AK056658	0.238477	0.581715	0.0994147	1.24E-08	1.31
8120043	NM_001024630	RUNX2	NM_001024630 // RUNX2 // runt-related transcription factor 2 // 6p21 // 860 ///	0.584265	0.036792	0.217522	1.25E-08	1.44
7943892	NM_181351	NCAM1	NM_181351 // NCAM1 // neural cell adhesion molecule 1 // 11q23.1 // 4684 /// NM_	0.660802	0.107434	0.286974	1.26E-08	1.46
7987869	NM_015497	TMEM87A	NM_015497 // TMEM87A // transmembrane protein 87A // 15q15.1 // 25963 /// NM_001	0.321595	0.295061	0.603534	1.26E-08	-1.35

7898448	NM_012387	PADI4	NM_012387 // PADI4 // peptidyl arginine deiminase, type IV // 1p36.13 // 23569 /	0.111414	0.384861	0.611724	1.26E-08	-1.40
8030860	NM_001462	FPR2	NM_001462 // FPR2 // formyl peptide receptor 2 // 19q13.3-q13.4 // 2358 /// NM_0	0.369415	0.688446	0.730838	1.26E-08	-2.14
7983145	NM_020759	STARD9	NM_020759 // STARD9 // StAR-related lipid transfer (START) domain containing 9 /	0.000517	0.024471	0.156336	1.27E-08	-1.49
8037037	NM_001167867	ATP5SL	NM_001167867 // ATP5SL // ATP5S-like // 19q13.2 // 55101 /// NM_018035 // ATP5SL	0.377086	0.187069	0.663607	1.28E-08	-1.30
7966234	NM_021625	TRPV4	NM_021625 // TRPV4 // transient receptor potential cation channel, subfamily V,	0.693987	0.193961	0.374898	1.29E-08	1.62
8135341	NM_152750	CDHR3	NM_152750 // CDHR3 // cadherin-related family member 3 // 7q22.3 // 222256 /// E	0.150609	0.147458	0.913756	1.33E-08	4.17
8089911	NM_005335	HCLS1	NM_005335 // HCLS1 // hematopoietic cell-specific Lyn substrate 1 // 3q13 // 305	0.31318	0.836424	0.885078	1.33E-08	-1.57
8051998	NM_139279	MCFD2	NM_139279 // MCFD2 // multiple coagulation factor deficiency 2 // 2p21 // 90411	0.342405	0.673031	0.605144	1.34E-08	-1.33
8053834	NM_025190	ANKRD36B	NM_025190 // ANKRD36B // ankyrin repeat domain 36B // 2q11.2 // 57730 /// NM_001	0.003218	0.423843	0.0825882	1.34E-08	1.55
8120239	NM_014051	TMEM14A	NM_014051 // TMEM14A // transmembrane protein 14A // 6p12.2 // 28978 /// ENST000	0.129787	0.493855	0.995096	1.36E-08	1.33
8138602	NM_004403	DFNA5	NM_004403 // DFNA5 // deafness, autosomal dominant 5 // 7p15 // 1687 /// NM_0011	0.408012	0.310807	0.495861	1.37E-08	1.71

7919815	NM_000396	CTSK	NM_000396 // CTSK // cathepsin K // 1q21 // 1513 /// ENST00000271651 // CTSK //	0.227509	0.602957	0.729709	1.37E-08	1.96
8059744	NR_028501	ECEL1P2	NR_028501 // ECEL1P2 // endothelin converting enzyme-like 1, pseudogene 2 // 2q3	0.660488	0.000411	0.624199	1.38E-08	-1.29
7916024	NM_001144832	TTC39A	NM_001144832 // TTC39A // tetratricopeptide repeat domain 39A // 1p32.3 // 22996	0.247647	0.684879	0.481133	1.43E-08	-1.41
8067157	NM_080617	CBLN4	NM_080617 // CBLN4 // cerebellin 4 precursor // 20q13 // 140689 /// ENST00000064	0.742206	0.564939	0.807765	1.45E-08	1.78
8064613	NM_032034	SLC4A11	NM_032034 // SLC4A11 // solute carrier family 4, sodium borate transporter, memb	0.713293	0.122006	0.579426	1.48E-08	1.76
8161520	NR_002836	PGM5P2	NR_002836 // PGM5P2 // phosphoglucomutase 5 pseudogene 2 // 9q12 // 595135 /// N	0.002656	0.572187	0.124625	1.48E-08	1.72
7938348	NM_003390	WEE1	NM_003390 // WEE1 // WEE1 homolog (S. pombe) // 11p15.3-p15.1 // 7465 /// NM_001	0.827311	0.859845	0.785026	1.49E-08	1.58
7975787	NM_001135049	JDP2	NM_001135049 // JDP2 // Jun dimerization protein 2 // 14q24.3 // 122953 /// NM_1	0.943002	0.240633	0.56008	1.51E-08	-1.31
8120967	NM_002526	NT5E	NM_002526 // NT5E // 5'-nucleotidase, ecto (CD73) // 6q14-q21 // 4907 /// ENST00	0.572154	0.320253	0.707857	1.51E-08	1.69
8140443	NR_003262	FDPSL2A	NR_003262 // FDPSL2A // MGC44478 // 7q11.23 // 619190 /// NR_003262 // FDPSL2A /	0.123671	0.72008	0.512391	1.52E-08	-1.31
7986639	---		---	0.189858	0.580165	0.675074	1.55E-08	3.00
8172520	NM_006521	TFE3	NM_006521 // TFE3 // transcription factor binding to IGHM enhancer 3 // Xp11.22	0.114489	0.881154	0.769463	1.55E-08	-1.32

8161865	NM_015225	PRUNE2	NM_015225 // PRUNE2 // prune homolog 2 (Drosophila) // 9q21.2 // 158471 /// AB05	0.080627	0.127832	0.565524	1.56E-08	1.88
7954589	NM_001029874	REP15	NM_001029874 // REP15 // RAB15 effector protein // 12p11.22 // 387849 /// ENST00	0.095602	0.283949	0.938858	1.58E-08	-1.46
8039829	NM_014219	KIR2DL2	NM_014219 // KIR2DL2 // killer cell immunoglobulin-like receptor, two domains, l	0.774141	0.138174	0.109945	1.59E-08	-1.45
8040440	NM_182625	GEN1	NM_182625 // GEN1 // Gen homolog 1, endonuclease (Drosophila) // 2p24.2 // 34865	0.910119	0.022741	0.662335	1.62E-08	1.52
7920285	NM_005978	S100A2	NM_005978 // S100A2 // S100 calcium binding protein A2 // 1q21 // 6273 /// ENST0	0.352072	0.069472	0.248226	1.64E-08	1.77
8057821	NM_018897	DNAH7	NM_018897 // DNAH7 // dynein, axonemal, heavy chain 7 // 2q32.3 // 56171 /// ENS	0.184825	0.176938	0.962774	1.65E-08	2.77
7999754	NM_022166	XYLT1	NM_022166 // XYLT1 // xylosyltransferase I // 16p12.3 // 64131 /// ENST000002613	0.474129	0.537942	0.305513	1.65E-08	-1.30
8033605	NM_012335	MYO1F	NM_012335 // MYO1F // myosin IF // 19p13.3-p13.2 // 4542 /// ENST00000446661 //	0.500344	0.796733	0.802813	1.66E-08	-1.52
8122202	NM_001130173	MYB	NM_001130173 // MYB // v-myb myeloblastosis viral oncogene homolog (avian) // 6q	0.027844	0.221409	0.847605	1.71E-08	1.97
7903920	NM_001025199	CHI3L2	NM_001025199 // CHI3L2 // chitinase 3-like 2 // 1p13.3 // 1117 /// NM_004000 //	0.000866	0.642345	0.911153	1.71E-08	-2.21
8138091	NM_139179	DAGLB	NM_139179 // DAGLB // diacylglycerol lipase, beta // 7p22.1 // 221955 /// NM_001	0.815702	0.051861	0.799016	1.72E-08	-1.31

8061894	NM_033197	C20orf114	NM_033197 // C20orf114 // chromosome 20 open reading frame 114 // 20q11.21 // 92	0.634528	0.161861	0.609498	1.75E-08	10.05
8164580	NM_004878	PTGES	NM_004878 // PTGES // prostaglandin E synthase // 9q34.3 // 9536 /// ENST0000034	0.001244	0.381143	0.696722	1.78E-08	1.35
7935230	NM_002860	ALDH18A1	NM_002860 // ALDH18A1 // aldehyde dehydrogenase 18 family, member A1 // 10q24.3	0.051781	0.135031	0.890394	1.80E-08	1.47
8173310	NM_002547	OPHN1	NM_002547 // OPHN1 // oligophrenin 1 // Xq12 // 4983 /// ENST00000355520 // OPHN	0.004158	0.347217	0.413431	1.81E-08	-1.45
8067040	NM_012340	NFATC2	NM_012340 // NFATC2 // nuclear factor of activated T-cells, cytoplasmic, calcine	0.769545	0.768717	0.980996	1.83E-08	1.58
8108301	NM_005733	KIF20A	NM_005733 // KIF20A // kinesin family member 20A // 5q31 // 10112 /// NM_004661	0.001226	0.980208	0.785835	1.83E-08	1.38
7994308	NM_015202	KIAA0556	NM_015202 // KIAA0556 // KIAA0556 // 16p12.1 // 23247 /// ENST00000261588 // KIA	0.184189	0.034905	0.717515	1.85E-08	1.37
8150225	NM_001002814	RAB11FIP1	NM_001002814 // RAB11FIP1 // RAB11 family interacting protein 1 (class I) // 8p1	0.497163	0.040125	0.335029	1.86E-08	-1.44
8154491	NM_001040272	ADAMTSL1	NM_001040272 // ADAMTSL1 // ADAMTS-like 1 // 9p21.3 // 92949 /// NM_052866 // AD	0.834444	0.766842	0.557018	1.86E-08	1.69
8103646	NM_012224	NEK1	NM_012224 // NEK1 // NIMA (never in mitosis gene a)-related kinase 1 // 4q33 //	0.005899	0.095096	0.94771	1.87E-08	1.40
8091515	NM_023915	GPR87	NM_023915 // GPR87 // G protein-coupled receptor 87 // 3q24 // 53836 /// ENST000	0.415395	0.467528	0.564933	1.88E-08	1.92

8090938	NM_173543	DZIP1L	NM_173543 // DZIP1L // DAZ interacting protein 1-like // 3q22.3 // 199221 /// NM	0.110619	0.234305	0.472203	1.89E-08	1.53
8056611	NM_004525	LRP2	NM_004525 // LRP2 // low density lipoprotein receptor-related protein 2 // 2q24-	0.699942	0.500819	0.611227	1.89E-08	-2.37
8173941	NM_003270	TSPAN6	NM_003270 // TSPAN6 // tetraspanin 6 // Xq22 // 7105 /// ENST00000373020 // TSPA	0.402199	0.98895	0.693349	1.90E-08	1.73
8169210	NM_020384	CLDN2	NM_020384 // CLDN2 // claudin 2 // Xq22.3-q23 // 9075 /// NM_001171092 // CLDN2	0.357818	0.819979	0.245459	1.91E-08	1.55
8063211	NM_181659	NCOA3	NM_181659 // NCOA3 // nuclear receptor coactivator 3 // 20q12 // 8202 /// NM_006	0.103817	0.833064	0.960808	1.96E-08	-1.32
7902660	NM_145172	WDR63	NM_145172 // WDR63 // WD repeat domain 63 // 1p22.3 // 126820 /// ENST0000029466	0.409376	0.109989	0.99592	1.97E-08	2.56
8097679	NM_007080	LSM6	NM_007080 // LSM6 // LSM6 homolog, U6 small nuclear RNA associated (S. cerevisia	0.29076	0.793637	0.958499	1.98E-08	-1.37
7955217	NM_023071	SPATS2	NM_023071 // SPATS2 // spermatogenesis associated, serine-rich 2 // 12q13.12 //	0.781041	0.165425	0.73545	2.01E-08	1.45
7956989	NM_002392	MDM2	NM_002392 // MDM2 // Mdm2 p53 binding protein homolog (mouse) // 12q14.3-q15 //	0.877353	0.423436	0.0029067	2.02E-08	1.37
7960771	NM_174941	CD163L1	NM_174941 // CD163L1 // CD163 molecule-like 1 // 12p13.3 // 283316 /// ENST00000	0.578444	0.487203	0.231024	2.03E-08	1.61
7968577	NM_015678	NBEA	NM_015678 // NBEA // neurobeachin // 13q13 // 26960 /// ENST00000400445 // NBEA	0.086868	0.427377	0.705624	2.04E-08	1.80

8031374	NM_002000	FCAR	NM_002000 // FCAR // Fc fragment of IgA, receptor for // 19q13.2-q13.4 // 2204 /	0.187359	0.575076	0.233847	2.06E-08	-1.43
8124855	NM_205854	SFTA2	NM_205854 // SFTA2 // surfactant associated 2 // 6p21.33 // 389376 /// ENST00000	0.010086	0.04874	0.401342	2.06E-08	-1.87
8171418	NM_002641	PIGA	NM_002641 // PIGA // phosphatidylinositol glycan anchor biosynthesis, class A //	0.932659	0.073919	0.141936	2.09E-08	-1.61
7950804	NM_152723	CCDC89	NM_152723 // CCDC89 // coiled-coil domain containing 89 // 11q14.1 // 220388 ///	0.481528	0.229126	0.21957	2.10E-08	1.34
8161513	NR_002836	PGM5P2	NR_002836 // PGM5P2 // phosphoglucomutase 5 pseudogene 2 // 9q12 // 595135 /// N	0.005774	0.591903	0.115822	2.11E-08	1.68
7936242	NM_033397	ITPRIP	NM_033397 // ITPRIP // inositol 1,4,5-triphosphate receptor interacting protein	0.46826	0.112664	0.459101	2.12E-08	-1.42
7980535	NM_001037494	DYNLL1	NM_001037494 // DYNLL1 // dynein, light chain, LC8-type 1 // 12q24.23 // 8655 //	0.969488	0.039183	0.424574	2.13E-08	1.45
7938390	NM_001124	ADM	NM_001124 // ADM // adrenomedullin // 11p15.4 // 133 /// ENST00000278175 // ADM	0.051209	0.601365	0.37008	2.13E-08	-2.02
7950067	NM_001360	DHCR7	NM_001360 // DHCR7 // 7-dehydrocholesterol reductase // 11q13.4 // 1717 /// NM_0	0.126758	0.445292	0.544594	2.13E-08	-1.75
7957688	ENST00000342887	C12orf63	ENST00000342887 // C12orf63 // chromosome 12 open reading frame 63 // 12q23.1 //	0.1624	0.15412	0.947642	2.15E-08	2.93
8179709	NM_205854	SFTA2	NM_205854 // SFTA2 // surfactant associated 2 // 6p21.33 // 389376 /// ENST00000	0.009076	0.036961	0.398709	2.18E-08	-1.89

8058509	NM_001080475	PLEKHM3	NM_001080475 // PLEKHM3 // pleckstrin homology domain containing, family M, memb	0.000554	0.25684	0.544613	2.20E-08	-1.45
7899939	NM_002060	GJA4	NM_002060 // GJA4 // gap junction protein, alpha 4, 37kDa // 1p35.1 // 2701 ///	0.125855	0.036084	0.212109	2.22E-08	-1.37
8113726	NM_000943	PPIC	NM_000943 // PPIC // peptidylprolyl isomerase C (cyclophilin C) // 5q23.2 // 548	0.853535	0.507483	0.504844	2.24E-08	1.42
7909503	NM_019605	SERTAD4	NM_019605 // SERTAD4 // SERTA domain containing 4 // 1q32.1-q41 // 56256 /// ENS	0.365926	0.298363	0.506674	2.27E-08	1.42
7989094	NM_006154	NEDD4	NM_006154 // NEDD4 // neural precursor cell expressed, developmentally down-regu	0.012795	0.912238	0.407019	2.27E-08	-1.42
8162610	NM_033331	CDC14B	NM_033331 // CDC14B // CDC14 cell division cycle 14 homolog B (S. cerevisiae) //	0.01896	0.886074	0.374187	2.31E-08	1.35
7896748	---		---	0.160405	0.808877	0.155985	2.32E-08	-2.89
8014361	NM_005064	CCL23	NM_005064 // CCL23 // chemokine (C-C motif) ligand 23 // 17q12 // 6368 /// NM_14	0.456836	0.937065	0.822552	2.33E-08	-1.45
8068593	NM_005239	ETS2	NM_005239 // ETS2 // v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)	0.591151	0.078222	0.587745	2.33E-08	-1.39
8043438	ENST00000453166	IGKV1-5	ENST00000453166 // IGKV1-5 // immunoglobulin kappa variable 1-5 // 2p12 // 28299	0.167475	0.187981	0.438807	2.34E-08	3.46
7983969	NM_004701	CCNB2	NM_004701 // CCNB2 // cyclin B2 // 15q22.2 // 9133 /// ENST00000288207 // CCNB2	0.0021	0.844046	0.167606	2.39E-08	1.54
7976128	NM_144596	TTC8	NM_144596 // TTC8 // tetratricopeptide repeat domain 8 // 14q31.3 // 123016 ///	0.085956	0.168794	0.810272	2.44E-08	1.31

7934215	NM_014767	SPOCK2	NM_014767 // SPOCK2 // sparc/osteonectin, cwcv and kazal-like domains proteoglyc	0.192015	0.093077	0.196312	2.44E-08	-2.10
8109639	NM_004219	PTTG1	NM_004219 // PTTG1 // pituitary tumor-transforming 1 // 5q35.1 // 9232 /// NM_00	5.28E-05	0.641445	0.265171	2.45E-08	1.33
8029065	NM_000709	BCKDHA	NM_000709 // BCKDHA // branched chain keto acid dehydrogenase E1, alpha polypept	0.478714	0.589795	0.820133	2.45E-08	-1.30
8043059	NM_001370	DNAH6	NM_001370 // DNAH6 // dynein, axonemal, heavy chain 6 // 2p11.2 // 1768 /// ENST	0.303225	0.184267	0.927976	2.52E-08	3.34
8111584	BC144069	C5orf42	BC144069 // C5orf42 // chromosome 5 open reading frame 42 // 5p13.2 // 65250 ///	0.007578	0.562784	0.974633	2.52E-08	1.45
8166079	NM_015507	EGFL6	NM_015507 // EGFL6 // EGF-like-domain, multiple 6 // Xp22 // 25975 /// NM_001167	0.454248	0.619659	0.567635	2.55E-08	1.74
8054329	NM_173647	RNF149	NM_173647 // RNF149 // ring finger protein 149 // 2q11.2 // 284996 /// ENST00000	0.916608	0.901396	0.372186	2.61E-08	-1.44
8172043	NM_006307	SRPX	NM_006307 // SRPX // sushi-repeat-containing protein, X-linked // Xp21.1 // 8406	0.699675	0.232534	0.299666	2.64E-08	-1.66
8049317	NM_152879	DGKD	NM_152879 // DGKD // diacylglycerol kinase, delta 130kDa // 2q37.1 // 8527 /// N	0.120522	0.072408	0.63301	2.68E-08	-1.38
8083260	NM_001870	CPA3	NM_001870 // CPA3 // carboxypeptidase A3 (mast cell) // 3q21-q25 // 1359 /// ENS	0.001017	0.19816	0.218138	2.70E-08	2.10
7931899	NM_002189	IL15RA	NM_002189 // IL15RA // interleukin 15 receptor, alpha // 10p15.1 // 3601 /// NR_	0.158176	0.555083	0.0852774	2.71E-08	-1.32

8031999	NM_003712	PPAP2C	NM_003712 // PPAP2C // phosphatidic acid phosphatase type 2C // 19p13 // 8612 //	0.92024	0.65278	0.815932	2.71E-08	1.97
8179028	AK128290	LOC554223	AK128290 // LOC554223 // hypothetical LOC554223 // 6p21.3 // 554223	0.075151	0.432744	0.932391	2.71E-08	-1.40
8150002	NM_172366	FBXO16	NM_172366 // FBXO16 // F-box protein 16 // 8p21.1 // 157574 /// ENST00000380254	0.914047	0.016137	0.978762	2.81E-08	1.39
7922474	NM_014656	KIAA0040	NM_014656 // KIAA0040 // KIAA0040 // 1q24-q25 // 9674 /// NM_001162893 // KIAA00	0.215385	0.096527	0.86838	2.83E-08	-1.41
8149927	NM_001831	CLU	NM_001831 // CLU // clusterin // 8p21-p12 // 1191 /// NM_203339 // CLU // cluste	0.551484	0.808986	0.0524061	2.83E-08	1.37
8046147	NM_152384	BBS5	NM_152384 // BBS5 // Bardet-Biedl syndrome 5 // 2q31.1 // 129880 /// ENST0000029	0.326826	0.096245	0.880713	2.86E-08	1.59
7938816	NM_019028	ZDHHC13	NM_019028 // ZDHHC13 // zinc finger, DHHC-type containing 13 // 11p15.1 // 54503	0.596877	0.075676	0.544426	2.86E-08	1.59
7933750	NM_194298	SLC16A9	NM_194298 // SLC16A9 // solute carrier family 16, member 9 (monocarboxylic acid	0.052714	0.058336	0.640959	2.89E-08	1.39
7973105	NM_002935	RNASE3	NM_002935 // RNASE3 // ribonuclease, RNase A family, 3 // 14q24-q31 // 6037 ///	0.660806	0.681839	0.0321662	2.91E-08	-1.43
8141625	NM_004444	EPHB4	NM_004444 // EPHB4 // EPH receptor B4 // 7q22 // 2050 /// ENST00000358173 // EPH	0.915174	0.18746	0.748989	2.93E-08	-1.32
8163002	NM_004235	KLF4	NM_004235 // KLF4 // Kruppel-like factor 4 (gut) // 9q31 // 9314 /// ENST0000037	0.337587	0.003023	0.582023	2.99E-08	-1.98

8005048	NM_001146312	MYOCD	NM_001146312 // MYOCD // myocardin // 17p11.2 // 93649 /// NM_153604 // MYOCD //	0.387853	0.397935	0.27724	2.99E-08	2.00
7929334	NM_018131	CEP55	NM_018131 // CEP55 // centrosomal protein 55kDa // 10q23.33 // 55165 /// NM_0011	0.005829	0.969783	0.912805	3.00E-08	1.49
8075635	NM_000362	TIMP3	NM_000362 // TIMP3 // TIMP metallopeptidase inhibitor 3 // 22q12.1-q13.2|22q12.3	0.51818	0.596097	0.660129	3.03E-08	-1.97
8094190	NM_001080522	CC2D2A	NM_001080522 // CC2D2A // coiled-coil and C2 domain containing 2A // 4p15.32 //	0.069309	0.117539	0.84484	3.04E-08	1.76
8048081	NM_024532	SPAG16	NM_024532 // SPAG16 // sperm associated antigen 16 // 2q34 // 79582 /// NM_00102	0.44442	0.162942	0.672408	3.05E-08	1.62
8126163	NM_031460	KCNK17	NM_031460 // KCNK17 // potassium channel, subfamily K, member 17 // 6p21.1 // 89	0.650785	0.038769	0.281698	3.05E-08	-1.48
7909841	NM_018650	MARK1	NM_018650 // MARK1 // MAP/microtubule affinity-regulating kinase 1 // 1q41 // 41	0.44184	0.773196	0.872085	3.06E-08	1.48
8108981	NM_001112724	STK32A	NM_001112724 // STK32A // serine/threonine kinase 32A // 5q32 // 202374 /// NM_1	0.088213	0.306738	0.909657	3.11E-08	1.46
7916356	NM_016126	HSPB11	NM_016126 // HSPB11 // heat shock protein family B (small), member 11 // 1p32 //	0.116331	0.034173	0.250026	3.13E-08	1.39
7925876	NM_002627	PFKP	NM_002627 // PFKP // phosphofructokinase, platelet // 10p15.3-p15.2 // 5214 ///	0.342263	0.054139	0.240849	3.14E-08	1.46
8044094	NM_144632	TMEM182	NM_144632 // TMEM182 // transmembrane protein 182 // 2q12.1 // 130827 /// ENST00	0.194136	0.033631	0.576861	3.21E-08	1.25

8018189	NM_181449	CD300E	NM_181449 // CD300E // CD300e molecule // 17q25.1 // 342510 /// ENST00000328630	0.067293	0.130031	0.992068	3.26E-08	-1.69
8079896	NM_004186	SEMA3F	NM_004186 // SEMA3F // sema domain, immunoglobulin domain (Ig), short basic doma	0.026928	0.195363	0.480413	3.29E-08	-1.30
7927710	NM_001786	CDK1	NM_001786 // CDK1 // cyclin-dependent kinase 1 // 10q21.1 // 983 /// NM_033379 /	0.004131	0.796596	0.473899	3.30E-08	1.54
8054054	NM_025190	ANKRD36B	NM_025190 // ANKRD36B // ankyrin repeat domain 36B // 2q11.2 // 57730 /// NM_001	0.000951	0.094902	0.0942566	3.30E-08	1.59
8178295	NM_006398	UBD	NM_006398 // UBD // ubiquitin D // 6p21.3 // 10537 /// ENST00000377050 // UBD //	0.805511	0.665284	0.889165	3.32E-08	1.82
8088820	NM_012234	RYBP	NM_012234 // RYBP // RING1 and YY1 binding protein // 3p13 // 23429 /// ENST0000	0.831825	0.236451	0.359911	3.34E-08	-1.31
7994362	NM_138414	CCDC101	NM_138414 // CCDC101 // coiled-coil domain containing 101 // 16p11.2 // 112869 /	0.190642	0.148052	0.480267	3.37E-08	-1.29
8025918	NM_001299	CNN1	NM_001299 // CNN1 // calponin 1, basic, smooth muscle // 19p13.2-p13.1 // 1264 /	0.949847	0.361823	0.172324	3.38E-08	1.76
7900654	NM_144626	TMEM125	NM_144626 // TMEM125 // transmembrane protein 125 // 1p34.2 // 128218 /// BC0723	0.071719	0.00411	0.341419	3.41E-08	-1.62
8046160	NM_006063	KBTBD10	NM_006063 // KBTBD10 // kelch repeat and BTB (POZ) domain containing 10 // 2q31.	0.868337	0.606686	0.688765	3.47E-08	1.34
8079140	NM_017719	SNRK	NM_017719 // SNRK // SNF related kinase // 3p22.1 // 54861 /// NM_001100594 // S	0.263108	0.146324	0.573992	3.58E-08	-1.29

8161648	NM_001206	KLF9	NM_001206 // KLF9 // Kruppel-like factor 9 // 9q13 // 687 /// ENST00000377126 //	0.455149	0.30731	0.719889	3.60E-08	-1.66
8017019	NM_004687	MTMR4	NM_004687 // MTMR4 // myotubularin related protein 4 // 17q22-q23 // 9110 /// EN	0.197421	0.145175	0.934382	3.60E-08	-1.31
7992147	NM_021098	CACNA1H	NM_021098 // CACNA1H // calcium channel, voltage-dependent, T type, alpha 1H sub	0.293645	0.917046	0.134738	3.65E-08	-1.30
7995739	NM_020988	GNAO1	NM_020988 // GNAO1 // guanine nucleotide binding protein (G protein), alpha acti	0.129199	0.025903	0.534333	3.68E-08	1.27
8138392	NM_176813	AGR3	NM_176813 // AGR3 // anterior gradient homolog 3 (Xenopus laevis) // 7p21.1 // 1	0.393966	0.827901	0.43582	3.80E-08	2.03
8109712	NM_001142556	HMMR	NM_001142556 // HMMR // hyaluronan-mediated motility receptor (RHAMM) // 5q33.2-	0.016817	0.702121	0.271312	3.80E-08	1.31
7910111	NM_000120	EPHX1	NM_000120 // EPHX1 // epoxide hydrolase 1, microsomal (xenobiotic) // 1q42.1 //	0.71689	0.0796	0.133534	3.83E-08	1.38
8090690	NM_130808	CPNE4	NM_130808 // CPNE4 // copine IV // 3q22.1 // 131034 /// ENST00000512055 // CPNE4	0.175916	0.929442	0.203624	3.84E-08	1.29
8124650	NM_006398	UBD	NM_006398 // UBD // ubiquitin D // 6p21.3 // 10537 /// ENST00000377050 // UBD //	0.489613	0.724778	0.650682	3.88E-08	1.71
8071597	NM_001178126	IGLL5	NM_001178126 // IGLL5 // immunoglobulin lambda-like polypeptide 5 // 22q11.22 //	0.056453	0.653777	0.760106	3.90E-08	1.93
8004699	NM_001005273	CHD3	NM_001005273 // CHD3 // chromodomain helicase DNA binding protein 3 // 17p13.1 /	0.067796	0.834355	0.443791	3.97E-08	1.26

7983704	NM_181789	GLDN	NM_181789 // GLDN // gliomedin // 15q21.2 // 342035 /// ENST00000335449 // GLDN	0.232708	0.851587	0.0859638	4.01E-08	-2.34
8036324	NM_001012756	ZNF260	NM_001012756 // ZNF260 // zinc finger protein 260 // 19q13.12 // 339324 /// NM_0	0.250019	0.180617	0.372346	4.06E-08	1.36
8123658	NM_015482	SLC22A23	NM_015482 // SLC22A23 // solute carrier family 22, member 23 // 6p25.2 // 63027	0.389961	0.779813	0.656553	4.08E-08	1.47
7924996	NM_032800	C1orf198	NM_032800 // C1orf198 // chromosome 1 open reading frame 198 // 1q42.2 // 84886	0.080682	0.000139	0.0032355	4.15E-08	-1.43
7927876	NM_030625	TET1	NM_030625 // TET1 // tet oncogene 1 // 10q21 // 80312 /// ENST00000373644 // TET	0.011661	0.889477	0.885368	4.22E-08	1.48
7908041	NM_002293	LAMC1	NM_002293 // LAMC1 // laminin, gamma 1 (formerly LAMB2) // 1q31 // 3915 /// ENST	0.34735	0.913175	0.62376	4.25E-08	-1.40
7898881	NM_003198	TCEB3	NM_003198 // TCEB3 // transcription elongation factor B (SIII), polypeptide 3 (1	0.513803	0.917124	0.002556	4.29E-08	-1.32
8145293	NM_014265	ADAM28	NM_014265 // ADAM28 // ADAM metallopeptidase domain 28 // 8p21.2 // 10863 /// NM	0.465425	0.191071	0.482787	4.32E-08	2.02
8123864	NM_003220	TFAP2A	NM_003220 // TFAP2A // transcription factor AP-2 alpha (activating enhancer bind	0.653623	0.343279	0.967242	4.33E-08	1.51
7944656	NM_006918	SC5DL	NM_006918 // SC5DL // sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S.	0.40051	0.920251	0.0057638	4.35E-08	-1.41
8165658	ENST00000361453	ND2	ENST00000361453 // ND2 // MTND2 // --- // 4536	0.098793	0.822669	0.234057	4.35E-08	-1.68

7926622	NM_012443	SPAG6	NM_012443 // SPAG6 // sperm associated antigen 6 // 10p12.2 // 9576 /// NM_17224	0.305447	0.450197	0.977513	4.35E-08	3.91
8070665	NM_173354	SIK1	NM_173354 // SIK1 // salt-inducible kinase 1 // 21q22.3 // 150094 /// ENST000002	0.850092	0.008841	0.586203	4.36E-08	-1.93
7929258	NM_004523	KIF11	NM_004523 // KIF11 // kinesin family member 11 // 10q24.1 // 3832 /// ENST000002	0.12653	0.445839	0.719877	4.39E-08	1.46
8123562	NM_001500	GMDS	NM_001500 // GMDS // GDP-mannose 4,6-dehydratase // 6p25 // 2762 /// ENST0000038	0.051307	0.219377	0.313582	4.40E-08	1.31
8136954	NM_001130025	FAM115C	NM_001130025 // FAM115C // family with sequence similarity 115, member C // 7q35	0.139589	0.130896	0.0271595	4.42E-08	-1.33
7953333	NM_001242	CD27	NM_001242 // CD27 // CD27 molecule // 12p13 // 939 /// ENST00000266557 // CD27 /	0.601912	0.936773	0.513208	4.44E-08	1.77
7980496	NM_152446	C14orf145	NM_152446 // C14orf145 // chromosome 14 open reading frame 145 // 14q31.1 // 145	0.015027	0.151875	0.890771	4.45E-08	1.46
7930917	AK097099	GRK5	AK097099 // GRK5 // G protein-coupled receptor kinase 5 // 10q26.11 // 2869	0.208505	0.144272	0.80713	4.52E-08	-1.53
7926445	NM_001098844	FAM23A	NM_001098844 // FAM23A // family with sequence similarity 23, member A // 10p12.	0.867292	0.398678	0.439597	4.54E-08	-1.27
8043468	---		---	0.232042	0.610776	0.456293	4.58E-08	3.17
8105778	NM_181523	PIK3R1	NM_181523 // PIK3R1 // phosphoinositide-3-kinase, regulatory subunit 1 (alpha) /	0.000786	0.893308	0.825213	4.61E-08	-1.43
8022338	NM_145290	GPR125	NM_145290 // GPR125 // G protein-coupled receptor 125 // 4p15.2 // 166647 /// EN	0.080487	0.119662	0.402991	4.63E-08	1.42

8145281	NM_016612	SLC25A37	NM_016612 // SLC25A37 // solute carrier family 25, member 37 // 8p21.2 // 51312	0.014519	0.45155	0.0966985	4.66E-08	-1.32
8043055	NM_001370	DNAH6	NM_001370 // DNAH6 // dynein, axonemal, heavy chain 6 // 2p11.2 // 1768 /// ENST	0.206252	0.09497	0.954185	4.71E-08	2.46
8029969	NM_003009	SEPW1	NM_003009 // SEPW1 // selenoprotein W, 1 // 19q13.3 // 6415 /// ENST00000509570	0.108439	0.009388	0.481864	4.72E-08	1.28
8117773	AK128290	LOC554223	AK128290 // LOC554223 // hypothetical LOC554223 // 6p21.3 // 554223	0.175384	0.719859	0.796085	4.74E-08	-1.31
8019857	NM_006101	NDC80	NM_006101 // NDC80 // NDC80 homolog, kinetochore complex component (S. cerevisia	0.003699	0.465182	0.671243	4.74E-08	1.33
8137232	NM_175571	GIMAP8	NM_175571 // GIMAP8 // GTPase, IMAP family member 8 // 7q36.1 // 155038 /// ENST	0.173248	0.637058	0.787789	4.75E-08	-1.53
7978586	NM_021914	CFL2	NM_021914 // CFL2 // cofilin 2 (muscle) // 14q12 // 1073 /// NM_138638 // CFL2 /	0.164056	0.778803	0.171827	4.80E-08	-1.31
8037408	NM_002250	KCNN4	NM_002250 // KCNN4 // potassium intermediate/small conductance calcium-activated	0.111211	0.715872	0.557545	4.84E-08	1.32
7979505	NM_005982	SIX1	NM_005982 // SIX1 // SIX homeobox 1 // 14q23.1 // 6495 /// ENST00000247182 // SI	0.672411	0.346173	0.933544	4.84E-08	2.09
8112439	NM_176816	CCDC125	NM_176816 // CCDC125 // coiled-coil domain containing 125 // 5q13.2 // 202243 //	0.580881	0.140571	0.901893	4.95E-08	1.52
7985147	NM_018602	DNAJA4	NM_018602 // DNAJA4 // DnaJ (Hsp40) homolog, subfamily A, member 4 // 15q25.1 //	0.736275	0.082418	0.87557	5.17E-08	2.10

8179987	NM_022107	GPSM3	NM_022107 // GPSM3 // G-protein signaling modulator 3 // 6p21.3 // 63940 /// NM_	0.471118	0.95901	0.715321	5.18E-08	-1.28
7926037	NM_004566	PFKFB3	NM_004566 // PFKFB3 // 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 //	0.066427	0.231654	0.401392	5.24E-08	-1.50
8022666	NM_031422	CHST9	NM_031422 // CHST9 // carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase	0.600525	0.444578	0.870642	5.28E-08	2.63
7957433	NM_032165	LRRIQ1	NM_032165 // LRRIQ1 // leucine-rich repeats and IQ motif containing 1 // 12q21.3	0.21629	0.129399	0.982298	5.30E-08	3.21
7944751	NM_024806	C11orf63	NM_024806 // C11orf63 // chromosome 11 open reading frame 63 // 11q24.1 // 79864	0.053685	0.162904	0.200437	5.37E-08	1.39
8169717	NM_007325	GRIA3	NM_007325 // GRIA3 // glutamate receptor, ionotrophic, AMPA 3 // Xq25 // 2892 //	0.09874	0.97381	0.740214	5.45E-08	1.28
7950578	NM_001128620	PAK1	NM_001128620 // PAK1 // p21 protein (Cdc42/Rac)-activated kinase 1 // 11q13-q14	0.859915	0.032528	0.838836	5.45E-08	1.37
8007537	NM_145273	CD300LG	NM_145273 // CD300LG // CD300 molecule-like family member g // 17q21.31 // 14689	0.022126	0.014848	0.0027223	5.45E-08	-1.41
8093096	NM_152773	TCTEX1D2	NM_152773 // TCTEX1D2 // Tctex1 domain containing 2 // 3q29 // 255758 /// ENST00	0.722147	0.089333	0.795747	5.48E-08	1.71
8170468	NM_005342	HMGB3	NM_005342 // HMGB3 // high-mobility group box 3 // Xq28 // 3149 /// ENST00000325	0.4285	0.63882	0.526776	5.52E-08	1.56
7996051	NM_032940	POLR2C	NM_032940 // POLR2C // polymerase (RNA) II (DNA directed) polypeptide C, 33kDa /	0.0627	0.183234	0.238993	5.56E-08	-1.28

8076113	NM_001013647	LOC646851	NM_001013647 // LOC646851 // similar to OTTHUMP00000028720 // 22q13.1 // 646851	0.124327	0.118009	0.549498	5.66E-08	2.33
7930593	NM_001193434	C10orf81	NM_001193434 // C10orf81 // chromosome 10 open reading frame 81 // 10q25.3 // 79	0.723232	0.035343	0.850256	5.68E-08	3.73
7905929	NM_004428	EFNA1	NM_004428 // EFNA1 // ephrin-A1 // 1q21-q22 // 1942 /// NM_182685 // EFNA1 // ep	0.595516	0.015682	0.885028	5.70E-08	-1.37
8075322	NM_001037666	GATSL3	NM_001037666 // GATSL3 // GATS protein-like 3 // 22q12 // 652968 /// ENST0000040	0.314346	0.65324	0.798294	5.74E-08	-1.35
7910600	NM_032435	KIAA1804	NM_032435 // KIAA1804 // mixed lineage kinase 4 // 1q42 // 84451 /// ENST0000036	0.954779	0.490471	0.234529	5.79E-08	-1.41
8160889	NM_002989	CCL21	NM_002989 // CCL21 // chemokine (C-C motif) ligand 21 // 9p13 // 6366 /// ENST00	0.094084	0.334798	0.612579	5.88E-08	1.82
8001410	NM_001012398	AKTIP	NM_001012398 // AKTIP // AKT interacting protein // 16q12.2 // 64400 /// NM_0224	0.00476	0.887949	0.209122	5.88E-08	-1.32
8139500	NM_022748	TNS3	NM_022748 // TNS3 // tensin 3 // 7p12.3 // 64759 /// ENST00000398879 // TNS3 //	0.21125	0.331906	0.480186	5.93E-08	-1.35
8129562	NM_001901	CTGF	NM_001901 // CTGF // connective tissue growth factor // 6q23.1 // 1490 /// ENST0	0.019992	0.000632	0.45269	5.96E-08	-1.78
8069208	NM_030582	COL18A1	NM_030582 // COL18A1 // collagen, type XVIII, alpha 1 // 21q22.3 // 80781 /// NM	0.272645	0.985214	0.542863	5.96E-08	1.31
7897339	NM_015215	CAMTA1	NM_015215 // CAMTA1 // calmodulin binding transcription activator 1 // 1p36.31-p	0.28427	0.921149	0.185467	5.97E-08	-1.26

8047272	NM_015535	SPATS2L	NM_015535 // SPATS2L // spermatogenesis associated, serine-rich 2-like // 2q33.1	0.524126	0.108449	0.49394	6.06E-08	1.30
8145083	---		---	0.044639	0.035067	0.836637	6.08E-08	-2.10
8144917	NM_000237	LPL	NM_000237 // LPL // lipoprotein lipase // 8p22 // 4023 /// ENST00000311322 // LP	0.965796	0.872305	0.0640131	6.13E-08	-1.91
7999253	NM_002705	PPL	NM_002705 // PPL // periplakin // 16p13.3 // 5493 /// ENST00000345988 // PPL //	0.25493	0.098502	0.324415	6.28E-08	-1.40
7996571	NM_024519	FAM65A	NM_024519 // FAM65A // family with sequence similarity 65, member A // 16q22.1 /	0.201857	0.156553	0.638015	6.32E-08	-1.33
8094278	NM_022346	NCAPG	NM_022346 // NCAPG // non-SMC condensin I complex, subunit G // 4p15.33 // 64151	0.023887	0.440909	0.62632	6.63E-08	1.64
7953626	NM_014718	CLSTN3	NM_014718 // CLSTN3 // calsyntenin 3 // 12p13.31 // 9746 /// ENST00000266546 //	0.472596	0.391194	0.787339	6.66E-08	1.33
8145636	NM_024567	HMBOX1	NM_024567 // HMBOX1 // homeobox containing 1 // 8p21.1 // 79618 /// NM_001135726	0.035844	0.715601	0.291404	6.73E-08	-1.32
8165817	NM_001079855	GYG2	NM_001079855 // GYG2 // glycogenin 2 // Xp22.3 // 8908 /// NM_003918 // GYG2 //	0.284174	0.242038	0.223508	6.74E-08	1.31
8172471	NM_006875	PIM2	NM_006875 // PIM2 // pim-2 oncogene // Xp11.23 // 11040 /// ENST00000376509 // P	0.178788	0.550591	0.931392	6.78E-08	1.85
8046861	NM_002210	ITGAV	NM_002210 // ITGAV // integrin, alpha V (vitronectin receptor, alpha polypeptide	0.816271	0.111371	0.838232	6.86E-08	1.31
7950641	NM_023930	KCTD14	NM_023930 // KCTD14 // potassium channel tetramerisation domain containing 14 //	0.227873	0.428232	0.706855	6.93E-08	-1.29

7909164	NM_001910	CTSE	NM_001910 // CTSE // cathepsin E // 1q31 // 1510 /// NM_148964 // CTSE // cathep	0.281301	0.710586	0.789724	6.98E-08	1.90
8088322	NM_198564	DNAH12	NM_198564 // DNAH12 // dynein, axonemal, heavy chain 12 // 3p14.3 // 201625 ///	0.130474	0.187639	0.942986	6.98E-08	2.92
8022692	NM_024423	DSC3	NM_024423 // DSC3 // desmocollin 3 // 18q12.1 // 1825 /// NM_001941 // DSC3 // d	0.651395	0.032573	0.545804	7.05E-08	3.15
7964646	NM_020700	PPM1H	NM_020700 // PPM1H // protein phosphatase, Mg2+/Mn2+ dependent, 1H // 12q14.1 //	0.072004	0.970592	0.213471	7.08E-08	1.29
8071642	ENST00000390285	IGLV6-57	ENST00000390285 // IGLV6-57 // immunoglobulin lambda variable 6-57 // 22q11.2 //	0.037032	0.833195	0.859445	7.14E-08	2.16
8088299	NM_178504	DNAH12	NM_178504 // DNAH12 // dynein, axonemal, heavy chain 12 // 3p14.3 // 201625 ///	0.15709	0.315781	0.94066	7.14E-08	3.89
8031311	NM_013289	KIR3DL1	NM_013289 // KIR3DL1 // killer cell immunoglobulin-like receptor, three domains,	0.795944	0.180648	0.403669	7.14E-08	-1.47
7927681	NM_001080512	BICC1	NM_001080512 // BICC1 // bicaudal C homolog 1 (Drosophila) // 10q21.1 // 80114 /	0.357973	0.320235	0.720129	7.27E-08	1.60
8094476	NM_018317	TBC1D19	NM_018317 // TBC1D19 // TBC1 domain family, member 19 // 4p15.2 // 55296 /// ENS	0.012717	0.434115	0.0991693	7.34E-08	1.34
8113491	NM_139164	STARD4	NM_139164 // STARD4 // StAR-related lipid transfer (START) domain containing 4 /	0.972997	0.568619	0.0895903	7.35E-08	-1.62
7936201	NM_025145	C10orf79	NM_025145 // C10orf79 // chromosome 10 open reading frame 79 // 10q25.1 // 80217	0.146523	0.194061	0.972325	7.40E-08	3.96

8045009	NM_002101	GYPC	NM_002101 // GYPC // glycophorin C (Gerbich blood group) // 2q14-q21 // 2995 ///	0.484875	0.030066	0.846265	7.51E-08	-1.42
8143663	NM_004456	EZH2	NM_004456 // EZH2 // enhancer of zeste homolog 2 (Drosophila) // 7q35-q36 // 214	0.105701	0.407315	0.276767	7.53E-08	1.35
8106950	NM_152548	FAM81B	NM_152548 // FAM81B // family with sequence similarity 81, member B // 5q15 // 1	0.517396	0.20472	0.987722	7.64E-08	2.68
7957221	NM_013381	TRHDE	NM_013381 // TRHDE // thyrotropin-releasing hormone degrading enzyme // 12q15-q2	0.017018	0.036134	0.0393744	7.70E-08	-1.71
7897441	NM_004285	H6PD	NM_004285 // H6PD // hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	0.670763	0.029349	0.411179	7.80E-08	-1.26
7962455	NM_006159	NELL2	NM_006159 // NELL2 // NEL-like 2 (chicken) // 12q12 // 4753 /// NM_001145108 //	0.01503	0.357295	0.998673	7.86E-08	2.24
7933982	NM_022129	PBLD	NM_022129 // PBLD // phenazine biosynthesis-like protein domain containing // 10	0.23012	0.547692	0.461926	7.90E-08	1.25
7977786	NM_003982	SLC7A7	NM_003982 // SLC7A7 // solute carrier family 7 (cationic amino acid transporter,	0.445009	0.304002	0.274218	7.97E-08	-1.58
8110090	NM_022754	SFXN1	NM_022754 // SFXN1 // sideroflexin 1 // --- // 94081 /// ENST00000321442 // SFXN	0.410587	0.026009	0.467281	7.98E-08	1.34
8113483	NM_001039763	TMEM232	NM_001039763 // TMEM232 // transmembrane protein 232 // 5q22.1 // 642987 /// AK2	0.202856	0.077385	0.966742	8.14E-08	3.30
7942613	NM_032564	DGAT2	NM_032564 // DGAT2 // diacylglycerol O-acyltransferase 2 // 11q13.5 // 84649 ///	0.023751	0.25537	0.675099	8.18E-08	-1.33

7950524	NM_207577	MAP6	NM_207577 // MAP6 // microtubule-associated protein 6 // 11q13.5 // 4135 /// NM_	0.569396	0.212433	0.901008	8.18E-08	1.62
7980970	NM_014216	ITPK1	NM_014216 // ITPK1 // inositol 1,3,4-triphosphate 5/6 kinase // 14q31 // 3705 //	0.554403	0.873966	0.0519712	8.19E-08	-1.27
8112584	NM_152625	ZNF366	NM_152625 // ZNF366 // zinc finger protein 366 // 5q13.2|5q13.2 // 167465 /// EN	0.184689	0.229381	0.755824	8.22E-08	-1.42
8043071	NM_001370	DNAH6	NM_001370 // DNAH6 // dynein, axonemal, heavy chain 6 // 2p11.2 // 1768 /// ENST	0.323993	0.193977	0.970638	8.22E-08	2.85
8031328	NM_006737	KIR3DL2	NM_006737 // KIR3DL2 // killer cell immunoglobulin-like receptor, three domains,	0.314528	0.143167	0.0456163	8.23E-08	-1.44
7915982	NM_024603	BEND5	NM_024603 // BEND5 // BEN domain containing 5 // 1p33 // 79656 /// ENST000003718	0.151942	0.451782	0.940718	8.35E-08	1.28
8027002	NM_004864	GDF15	NM_004864 // GDF15 // growth differentiation factor 15 // 19p13.11 // 9518 /// E	0.123722	0.001713	0.129336	8.48E-08	1.83
8094789	NM_014988	LIMCH1	NM_014988 // LIMCH1 // LIM and calponin homology domains 1 // 4p13 // 22998 ///	0.000354	0.014518	0.170243	8.54E-08	-1.50
8004880	NM_004822	NTN1	NM_004822 // NTN1 // netrin 1 // 17p13-p12 // 9423 /// ENST00000173229 // NTN1 /	0.960011	0.393833	0.582418	8.54E-08	1.30
7997904	AK295122	ZNF778	AK295122 // ZNF778 // zinc finger protein 778 // 16q24.3 // 197320	0.346115	0.828303	0.126026	8.57E-08	-1.41
8125373	NM_022107	GPSM3	NM_022107 // GPSM3 // G-protein signaling modulator 3 // 6p21.3 // 63940 /// NM_	0.417473	0.936713	0.675271	8.70E-08	-1.26

8155883	NM_012383	OSTF1	NM_012383 // OSTF1 // osteoclast stimulating factor 1 // 9q13-q21.2 // 26578 ///	0.524562	0.425485	0.159224	8.80E-08	-1.30
8121588	NM_013352	DSE	NM_013352 // DSE // dermatan sulfate epimerase // 6q22 // 29940 /// NM_001080976	0.714009	0.106553	0.423452	8.89E-08	-1.29
8044143	NM_032411	C2orf40	NM_032411 // C2orf40 // chromosome 2 open reading frame 40 // 2q12.2 // 84417 //	0.147658	0.519543	0.699297	8.92E-08	1.55
8002481	NM_032821	HYDIN	NM_032821 // HYDIN // hydrocephalus inducing homolog (mouse) // 16q22.2 // 54768	0.16855	0.203818	0.98087	9.11E-08	2.52
8017582	NM_018469	TEX2	NM_018469 // TEX2 // testis expressed 2 // 17q23.3 // 55852 /// ENST00000258991	0.236479	0.153078	0.0365873	9.21E-08	-1.26
7940323	NM_031457	MS4A8B	NM_031457 // MS4A8B // membrane-spanning 4-domains, subfamily A, member 8B // 11	0.360397	0.508321	0.973655	9.22E-08	4.23
8048541	NM_001927	DES	NM_001927 // DES // desmin // 2q35 // 1674 /// ENST00000373960 // DES // desmin	0.425745	0.369807	0.180796	9.28E-08	2.08
8028991	NM_030622	CYP2S1	NM_030622 // CYP2S1 // cytochrome P450, family 2, subfamily S, polypeptide 1 //	0.819779	0.315914	0.544384	9.32E-08	1.36
7985398	AK304339	FAM154B	AK304339 // FAM154B // family with sequence similarity 154, member B // 15q25.2	0.251132	0.188726	0.957979	9.48E-08	3.17
8081710	NM_017699	SIDT1	NM_017699 // SIDT1 // SID1 transmembrane family, member 1 // 3q13.2 // 54847 ///	0.912409	0.013415	0.658466	9.53E-08	1.57
7975815	NM_015072	TTLL5	NM_015072 // TTLL5 // tubulin tyrosine ligase-like family, member 5 // 14q24.3 /	0.4615	0.023487	0.429332	9.53E-08	1.33

7937465	NM_006755	TALDO1	NM_006755 // TALDO1 // transaldolase 1 // 11p15.5-p15.4 // 6888 /// ENST00000319	0.036069	0.956412	0.587628	9.54E-08	-1.37
8141459	NM_024637	GAL3ST4	NM_024637 // GAL3ST4 // galactose-3-O-sulfotransferase 4 // 7q22.1 // 79690 ///	0.370349	0.168703	0.918274	9.56E-08	1.28
8096602	NM_014395	DAPP1	NM_014395 // DAPP1 // dual adaptor of phosphotyrosine and 3-phosphoinositides //	0.104993	0.132276	0.710663	1.01E-07	1.52
8160670	NM_004925	AQP3	NM_004925 // AQP3 // aquaporin 3 (Gill blood group) // 9p13 // 360 /// ENST00000	0.016635	0.123653	0.174836	1.02E-07	1.60
8146391	---		---	0.158013	0.022397	0.942111	1.02E-07	-1.29
8074806	NM_014634	PPM1F	NM_014634 // PPM1F // protein phosphatase, Mg2+/Mn2+ dependent, 1F // 22q11.22 /	0.686384	0.349962	0.523188	1.03E-07	-1.30
8143296	NM_198508	KLRG2	NM_198508 // KLRG2 // killer cell lectin-like receptor subfamily G, member 2 //	0.718683	0.157101	0.853886	1.04E-07	-1.28
8036473	NM_033256	PPP1R14A	NM_033256 // PPP1R14A // protein phosphatase 1, regulatory (inhibitor) subunit 1	0.575616	0.268071	0.889497	1.05E-07	-1.44
7970737	NM_004119	FLT3	NM_004119 // FLT3 // fms-related tyrosine kinase 3 // 13q12 // 2322 /// ENST0000	0.836376	0.966986	0.866597	1.05E-07	-1.50
8114354	NM_003551	NME5	NM_003551 // NME5 // non-metastatic cells 5, protein expressed in (nucleoside-di	0.569091	0.074941	0.827954	1.06E-07	2.21
7960512	---		---	0.047395	0.720439	0.0171033	1.07E-07	-1.39
7925320	NM_002508	NID1	NM_002508 // NID1 // nidogen 1 // 1q43 // 4811 /// ENST00000264187 // NID1 // ni	0.60117	0.287182	0.806905	1.07E-07	-1.68
7956271	NM_003725	HSD17B6	NM_003725 // HSD17B6 // hydroxysteroid (17-beta) dehydrogenase 6 homolog (mouse)	0.206396	0.029763	0.31042	1.08E-07	-2.19

8099612	NM_145290	GPR125	NM_145290 // GPR125 // G protein-coupled receptor 125 // 4p15.2 // 166647 /// EN	0.183869	0.837159	0.702059	1.08E-07	1.34
8114900	NM_004576	PPP2R2B	NM_004576 // PPP2R2B // protein phosphatase 2, regulatory subunit B, beta // 5q3	0.066026	0.98591	0.401079	1.08E-07	1.24
7995787	NM_176870	MT1M	NM_176870 // MT1M // metallothionein 1M // 16q13 // 4499 /// ENST00000379818 //	0.093209	0.089764	0.683291	1.09E-07	-2.79
8144802	NM_006207	PDGFRL	NM_006207 // PDGFRL // platelet-derived growth factor receptor-like // 8p22-p21.	0.205067	0.430501	0.487648	1.11E-07	1.81
7957514	NM_001004330	PLEKHG7	NM_001004330 // PLEKHG7 // pleckstrin homology domain containing, family G (with	0.522385	0.209274	0.938621	1.11E-07	2.10
7908397	NM_002927	RGS13	NM_002927 // RGS13 // regulator of G-protein signaling 13 // 1q31.2 // 6003 ///	0.089391	0.760861	0.221349	1.11E-07	1.77
7915032	NM_001038633	RSPO1	NM_001038633 // RSPO1 // R-spondin homolog (Xenopus laevis) // 1p34.3 // 284654	0.120025	0.039662	0.780064	1.12E-07	-1.30
8035958	NM_032816	CCDC123	NM_032816 // CCDC123 // coiled-coil domain containing 123 // 19q13.11 // 84902 /	0.094559	0.062823	0.943238	1.12E-07	1.27
7987892	NM_022473	ZFP106	NM_022473 // ZFP106 // zinc finger protein 106 homolog (mouse) // 15q15.1 // 643	0.030502	0.670104	0.0306769	1.13E-07	-1.29
7934050	NM_152707	SLC25A16	NM_152707 // SLC25A16 // solute carrier family 25 (mitochondrial carrier; Graves	0.115888	0.847484	0.60063	1.14E-07	-1.28
7898057	NM_006474	PDPN	NM_006474 // PDPN // podoplanin // 1p36.21 // 10630 /// NM_198389 // PDPN // pod	0.107582	0.269984	0.0507175	1.15E-07	-1.34

7958644	NM_170665	ATP2A2	NM_170665 // ATP2A2 // ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	0.210821	0.039681	0.47401	1.16E-07	1.37
7971526	NM_000621	HTR2A	NM_000621 // HTR2A // 5-hydroxytryptamine (serotonin) receptor 2A // 13q14-q21 /	0.892472	0.409445	0.300896	1.17E-07	1.47
7982757	NM_170589	CASC5	NM_170589 // CASC5 // cancer susceptibility candidate 5 // 15q14 // 57082 /// NM	0.009077	0.600749	0.815983	1.17E-07	1.44
7965873	NM_001111283	IGF1	NM_001111283 // IGF1 // insulin-like growth factor 1 (somatomedin C) // 12q23.2	0.177857	0.053143	0.0738912	1.17E-07	2.40
7931281	NM_145235	FANK1	NM_145235 // FANK1 // fibronectin type III and ankyrin repeat domains 1 // 10q26	0.170753	0.218245	0.899677	1.18E-07	2.49
7917019	NM_001002912	C1orf173	NM_001002912 // C1orf173 // chromosome 1 open reading frame 173 // 1p31.1 // 127	0.261156	0.214688	0.991108	1.19E-07	3.02
7900159	NM_003462	DNALI1	NM_003462 // DNALI1 // dynein, axonemal, light intermediate chain 1 // 1p35.1 //	0.724751	0.217237	0.846515	1.20E-07	1.95
7953749	NM_080387	CLEC4D	NM_080387 // CLEC4D // C-type lectin domain family 4, member D // 12p13.31 // 33	0.085371	0.78811	0.759623	1.20E-07	-1.80
8080562	NM_018725	IL17RB	NM_018725 // IL17RB // interleukin 17 receptor B // 3p21.1 // 55540 /// ENST0000	0.055867	0.256196	0.171871	1.20E-07	-1.45
8019954	NR_024101	FLJ35776	NR_024101 // FLJ35776 // hypothetical LOC649446 // 18p11.31 // 649446 /// ENST00	0.571714	0.114231	0.0514914	1.20E-07	1.34
7995655	NM_001080432	FTO	NM_001080432 // FTO // fat mass and obesity associated // 16q12.2 // 79068 /// E	0.006539	0.345357	0.465508	1.20E-07	1.31

8096301	NM_001040058	SPP1	NM_001040058 // SPP1 // secreted phosphoprotein 1 // 4q22.1 // 6696 /// NM_00058	0.031183	0.013325	0.863561	1.21E-07	5.05
8155026	NR_003581	ATP8B5P	NR_003581 // ATP8B5P // ATPase, class I, type 8B, member 5, pseudogene // 9p13.3	0.712407	0.856236	0.904417	1.23E-07	-1.32
8107563	NM_016644	PRR16	NM_016644 // PRR16 // proline rich 16 // 5q23.1 // 51334 /// ENST00000379551 //	0.854728	0.445137	0.22102	1.24E-07	-1.26
8113358	NM_005668	ST8SIA4	NM_005668 // ST8SIA4 // ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransfera	0.889652	0.152031	0.237623	1.24E-07	1.49
8064322	BC134417	C20orf96	BC134417 // C20orf96 // chromosome 20 open reading frame 96 // 20p13 // 140680 /	0.468721	0.117716	0.942336	1.25E-07	1.62
8158167	NM_005564	LCN2	NM_005564 // LCN2 // lipocalin 2 // 9q34 // 3934 /// ENST00000277480 // LCN2 //	0.009992	0.066633	0.237036	1.25E-07	2.32
8081686	NM_033254	BOC	NM_033254 // BOC // Boc homolog (mouse) // 3q13.2 // 91653 /// ENST00000355385 /	0.985983	0.853897	0.357557	1.26E-07	1.51
8157058	NM_207647	FSD1L	NM_207647 // FSD1L // fibronectin type III and SPRY domain containing 1-like //	0.268025	0.023831	0.527123	1.29E-07	1.50
7906930	NM_145697	NUF2	NM_145697 // NUF2 // NUF2, NDC80 kinetochore complex component, homolog (S. cere	0.009412	0.780984	0.769541	1.30E-07	1.42
8177628	NM_176816	CCDC125	NM_176816 // CCDC125 // coiled-coil domain containing 125 // 5q13.2 // 202243 //	0.30799	0.216782	0.884962	1.31E-07	1.61
7906264	NM_001080471	PEAR1	NM_001080471 // PEAR1 // platelet endothelial aggregation receptor 1 // 1q23.1 /	0.575042	0.255924	0.300184	1.32E-07	-1.38

8021584	NM_002639	SERPINB5	NM_002639 // SERPINB5 // serpin peptidase inhibitor, clade B (ovalbumin), member	0.309874	0.095587	0.735994	1.32E-07	2.18
8126428	NM_033502	TRERF1	NM_033502 // TRERF1 // transcriptional regulating factor 1 // 6p21.1-p12.1 // 55	0.004089	0.46665	0.908205	1.33E-07	1.50
7908376	NM_130782	RGS18	NM_130782 // RGS18 // regulator of G-protein signaling 18 // 1q31.2 // 64407 ///	0.925536	0.70278	0.685507	1.33E-07	-1.73
8091887	NM_024687	ZBBX	NM_024687 // ZBBX // zinc finger, B-box domain containing // 3q26.1 // 79740 ///	0.135324	0.234799	0.961235	1.34E-07	4.24
8093839	NM_014392	D4S234E	NM_014392 // D4S234E // DNA segment on chromosome 4 (unique) 234 expressed seque	0.1209	0.646059	0.615298	1.35E-07	1.26
7899615	NM_178865	SERINC2	NM_178865 // SERINC2 // serine incorporator 2 // 1p35.1 // 347735 /// ENST000003	0.039023	0.976423	0.30265	1.35E-07	1.40
8042503	NM_002357	MXD1	NM_002357 // MXD1 // MAX dimerization protein 1 // 2p13-p12 // 4084 /// ENST0000	0.122522	0.480427	0.277839	1.35E-07	-1.56
7951752	NM_020886	USP28	NM_020886 // USP28 // ubiquitin specific peptidase 28 // 11q23 // 57646 /// ENST	0.147635	0.30147	0.437217	1.35E-07	1.32
7971653	NR_002612	DLEU2	NR_002612 // DLEU2 // deleted in lymphocytic leukemia 2 (non-protein coding) //	0.012777	0.19321	0.0546938	1.36E-07	1.58
7916789	NM_024763	WDR78	NM_024763 // WDR78 // WD repeat domain 78 // 1p31.3 // 79819 /// NM_207014 // WD	0.182703	0.141306	0.964284	1.37E-07	2.74
8049487	NM_024101	MLPH	NM_024101 // MLPH // melanophilin // 2q37.3 // 79083 /// NM_001042467 // MLPH //	0.240714	0.972242	0.662141	1.38E-07	-1.55
8053713	---		---	0.194752	0.161972	0.42379	1.40E-07	2.70

8101031	NM_003948	CDKL2	NM_003948 // CDKL2 // cyclin-dependent kinase-like 2 (CDC2-related kinase) // 4q	0.953398	0.897759	0.508803	1.45E-07	-1.63
8043441	---		---	0.545041	0.348988	0.822695	1.45E-07	3.70
7921916	NM_003617	RGS5	NM_003617 // RGS5 // regulator of G-protein signaling 5 // 1q23.1 // 8490 /// NM	0.005048	0.86477	0.455087	1.46E-07	1.63
7984524	NM_001104554	PAQR5	NM_001104554 // PAQR5 // progestin and adipoQ receptor family member V // 15q23	0.608361	0.055339	0.0226747	1.48E-07	-1.58
7976812	NR_003232	SNORD113-4	NR_003232 // SNORD113-4 // small nucleolar RNA, C/D box 113-4 // 14q32.31 // 767	0.2325	0.26341	0.44464	1.48E-07	1.90
7902441	NM_030965	ST6GALNAC5	NM_030965 // ST6GALNAC5 // ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,	0.086488	0.395412	0.163524	1.49E-07	-1.59
8088315	NM_178504	DNAH12	NM_178504 // DNAH12 // dynein, axonemal, heavy chain 12 // 3p14.3 // 201625 ///	0.19722	0.220088	0.80968	1.49E-07	3.30
8137709	NM_182491	ZFAND2A	NM_182491 // ZFAND2A // zinc finger, AN1-type domain 2A // 7p22.3 // 90637 /// E	0.159913	0.172834	0.949696	1.50E-07	-1.37
8091715	NM_020169	LXN	NM_020169 // LXN // latexin // 3q25.32 // 56925 /// ENST00000264265 // LXN // la	0.552706	0.05594	0.840885	1.52E-07	1.71
8133818	NM_001127358	PHTF2	NM_001127358 // PHTF2 // putative homeodomain transcription factor 2 // 7q11.23-	0.205369	0.541456	0.792017	1.52E-07	1.31
8128472	NM_006828	ASCC3	NM_006828 // ASCC3 // activating signal cointegrator 1 complex subunit 3 // 6q16	0.560363	0.043661	0.480937	1.54E-07	1.37
8040211	NM_003597	KLF11	NM_003597 // KLF11 // Kruppel-like factor 11 // 2p25 // 8462 /// NM_001177716 //	0.073233	0.001352	0.21842	1.54E-07	-1.29

7954293	NM_000921	PDE3A	NM_000921 // PDE3A // phosphodiesterase 3A, cGMP-inhibited // 12p12 // 5139 ///	0.64277	0.703012	0.431058	1.55E-07	1.69
7977397	NM_001312	CRIP2	NM_001312 // CRIP2 // cysteine-rich protein 2 // 14q32.3 // 1397 /// ENST0000032	0.747739	0.280975	0.218354	1.55E-07	1.31
8053449	NM_001031738	TMEM150A	NM_001031738 // TMEM150A // transmembrane protein 150A // 2p11.2 // 129303 /// N	0.080481	0.195202	0.834152	1.58E-07	-1.26
7897089	NM_014638	PLCH2	NM_014638 // PLCH2 // phospholipase C, eta 2 // 1p36.32 // 9651 /// ENST00000378	0.281119	0.967669	0.910013	1.58E-07	1.30
8120222	NR_033327	EFHC1	NR_033327 // EFHC1 // EF-hand domain (C-terminal) containing 1 // 6p12.3 // 1143	0.039929	0.236462	0.865157	1.59E-07	2.01
7926638	NM_173081	ARMC3	NM_173081 // ARMC3 // armadillo repeat containing 3 // 10p12.31 // 219681 /// EN	0.398221	0.244827	0.976771	1.60E-07	3.24
7916862	NM_024911	WLS	NM_024911 // WLS // wntless homolog (Drosophila) // 1p31.3 // 79971 /// NM_00100	0.174913	0.660658	0.247219	1.60E-07	1.30
8071662	NM_199127	GGTLC2	NM_199127 // GGTLC2 // gamma-glutamyltransferase light chain 2 // 22q11.22 // 91	0.281492	0.013206	0.761078	1.60E-07	-1.29
8121370	NM_032131	ARMC2	NM_032131 // ARMC2 // armadillo repeat containing 2 // 6q21 // 84071 /// ENST000	0.021667	0.192751	0.890598	1.60E-07	1.83
8008454	NM_003786	ABCC3	NM_003786 // ABCC3 // ATP-binding cassette, sub-family C (CFTR/MRP), member 3 //	0.776772	0.285704	0.434038	1.61E-07	1.47
7945420	NM_002939	RNH1	NM_002939 // RNH1 // ribonuclease/angiogenin inhibitor 1 // 11p15.5 // 6050 ///	0.25797	0.023666	0.711263	1.61E-07	-1.34
8053735	---		---	0.21202	0.378875	0.120467	1.61E-07	1.95

8128043	NM_016083	CNR1	NM_016083 // CNR1 // cannabinoid receptor 1 (brain) // 6q14-q15 // 1268 /// NM_0	0.810937	0.405907	0.711091	1.62E-07	-1.51
7945132	NM_002017	FLI1	NM_002017 // FLI1 // Friend leukemia virus integration 1 // 11q24.1-q24.3 // 231	0.829693	0.339969	0.319894	1.64E-07	-1.34
8000748	NM_003609	HIRIP3	NM_003609 // HIRIP3 // HIRA interacting protein 3 // 16p11.2 // 8479 /// ENST000	0.029198	0.836853	0.399318	1.64E-07	-1.25
8154416	AY422473	C9orf93	AY422473 // C9orf93 // chromosome 9 open reading frame 93 // 9p22.3 // 203238 //	0.010161	0.911866	0.975664	1.65E-07	1.41
8122860	NM_025107	MYCT1	NM_025107 // MYCT1 // myc target 1 // 6q25.2 // 80177 /// ENST00000367245 // MYC	0.240723	0.084979	0.902773	1.65E-07	-1.50
8063601	NM_178456	C20orf85	NM_178456 // C20orf85 // chromosome 20 open reading frame 85 // 20q13.32 // 1286	0.220121	0.356987	0.991595	1.67E-07	3.10
7981737	---		---	0.248027	0.530899	0.482578	1.70E-07	2.74
7909954	NM_032890	DISP1	NM_032890 // DISP1 // dispatched homolog 1 (Drosophila) // 1q41 // 84976 /// ENS	0.007466	0.128502	0.452694	1.70E-07	-1.90
8099476	NM_006017	PROM1	NM_006017 // PROM1 // prominin 1 // 4p15.32 // 8842 /// NM_001145847 // PROM1 //	0.842976	0.111304	0.844321	1.72E-07	4.24
8043423	ENST00000390243	IGKV4-1	ENST00000390243 // IGKV4-1 // immunoglobulin kappa variable 4-1 // 2p12 // 28908	0.400511	0.350227	0.613529	1.72E-07	2.00
8094240	NM_001775	CD38	NM_001775 // CD38 // CD38 molecule // 4p15 // 952 /// ENST00000226279 // CD38 //	0.516848	0.459924	0.529631	1.74E-07	1.67
7918973	NM_206996	SPAG17	NM_206996 // SPAG17 // sperm associated antigen 17 // 1p12 // 200162 /// ENST000	0.31969	0.260215	0.964966	1.76E-07	2.92

8104901	NM_002185	IL7R	NM_002185 // IL7R // interleukin 7 receptor // 5p13 // 3575 /// ENST00000303115	0.652858	0.398475	0.287566	1.82E-07	-2.29
8056151	NM_007366	PLA2R1	NM_007366 // PLA2R1 // phospholipase A2 receptor 1, 180kDa // 2q23-q24 // 22925	0.002448	0.939856	0.52922	1.83E-07	1.40
7996198	NM_014157	CCDC113	NM_014157 // CCDC113 // coiled-coil domain containing 113 // 16q21 // 29070 ///	0.372286	0.185209	0.953545	1.84E-07	2.51
8173287	NM_001184830	VSIG4	NM_001184830 // VSIG4 // V-set and immunoglobulin domain containing 4 // Xq12-q1	0.845626	0.415652	0.299469	1.85E-07	-1.85
8084717	NM_173216	ST6GAL1	NM_173216 // ST6GAL1 // ST6 beta-galactosamide alpha-2,6-sialyltranferase 1 // 3	0.530849	0.274665	0.298592	1.85E-07	1.46
8097657	NM_005900	SMAD1	NM_005900 // SMAD1 // SMAD family member 1 // 4q31 // 4086 /// NM_001003688 // S	0.477664	0.336661	0.390271	1.87E-07	1.35
8146986	NM_004133	HNF4G	NM_004133 // HNF4G // hepatocyte nuclear factor 4, gamma // 8q21.11 // 3174 ///	0.658694	0.107728	0.969651	1.89E-07	1.47
7944869	NM_017425	SPA17	NM_017425 // SPA17 // sperm autoantigenic protein 17 // 11q24.2 // 53340 /// ENS	0.920627	0.208607	0.746316	1.90E-07	2.11
7953218	NM_001130862	RAD51AP1	NM_001130862 // RAD51AP1 // RAD51 associated protein 1 // 12p13.2-p13.1 // 10635	0.11744	0.013215	0.949032	1.92E-07	1.42
8136863	NM_153345	TMEM139	NM_153345 // TMEM139 // transmembrane protein 139 // 7q34 // 135932 /// ENST0000	0.010909	0.064857	0.194486	1.93E-07	-1.43
8109194	NM_000112	SLC26A2	NM_000112 // SLC26A2 // solute carrier family 26 (sulfate transporter), member 2	0.803999	0.210504	0.53056	1.95E-07	-1.31
8143788	---		---	0.961644	0.908039	0.348876	1.97E-07	-1.26

8001981	NM_013241	FHOD1	NM_013241 // FHOD1 // formin homology 2 domain containing 1 // 16q22 // 29109 //	0.464814	0.887456	0.599898	2.00E-07	-1.34
8120838	NM_003318	TTK	NM_003318 // TTK // TTK protein kinase // 6q13-q21 // 7272 /// NM_001166691 // T	0.038455	0.369757	0.407829	2.01E-07	1.31
8065280	NM_020343	RALGAPA2	NM_020343 // RALGAPA2 // Ral GTPase activating protein, alpha subunit 2 (catalyt	0.343102	0.248189	0.404743	2.01E-07	-1.33
8144669	NM_004462	FDFT1	NM_004462 // FDFT1 // farnesyl-diphosphate farnesyltransferase 1 // 8p23.1-p22 /	0.365232	0.142476	0.29416	2.03E-07	-1.31
7994109	NM_005030	PLK1	NM_005030 // PLK1 // polo-like kinase 1 // 16p12.2 // 5347 /// ENST00000300093 /	0.000678	0.459366	0.684629	2.07E-07	1.31
8002470	NM_032821	HYDIN	NM_032821 // HYDIN // hydrocephalus inducing homolog (mouse) // 16q22.2 // 54768	0.173216	0.167127	0.999354	2.08E-07	2.52
8153876	NM_025251	ARHGAP39	NM_025251 // ARHGAP39 // Rho GTPase activating protein 39 // 8q24.3 // 80728 ///	0.310238	0.451351	0.211263	2.08E-07	1.29
8098195	NM_006745	SC4MOL	NM_006745 // SC4MOL // sterol-C4-methyl oxidase-like // 4q32-q34 // 6307 /// NM_	0.393903	0.685192	0.246017	2.08E-07	-1.85
7921088	NM_006617	NES	NM_006617 // NES // nestin // 1q23.1 // 10763 /// ENST00000368223 // NES // nest	0.923466	0.87651	0.31518	2.10E-07	-1.51
7925929	NM_003739	AKR1C3	NM_003739 // AKR1C3 // aldo-keto reductase family 1, member C3 (3-alpha hydroxys	0.48065	0.167334	0.0803511	2.10E-07	-1.46
8082974	NM_031913	ESYT3	NM_031913 // ESYT3 // extended synaptotagmin-like protein 3 // 3q22.3 // 83850 /	0.457513	0.10143	0.418941	2.11E-07	-1.67

7918794	NM_000036	AMPD1	NM_000036 // AMPD1 // adenosine monophosphate deaminase 1 // 1p13 // 270 /// NM_	0.736891	0.21642	0.596269	2.11E-07	2.19
7965486	NM_016122	CCDC41	NM_016122 // CCDC41 // coiled-coil domain containing 41 // 12q22 // 51134 /// NM	0.109851	0.042752	0.47545	2.14E-07	1.49
8154367	NM_000550	TYRP1	NM_000550 // TYRP1 // tyrosinase-related protein 1 // 9p23 // 7306 /// ENST00000	0.873718	0.655801	0.0528983	2.18E-07	1.48
8043446	---		---	0.214212	0.344239	0.379736	2.18E-07	2.96
7976160	NM_018319	TDP1	NM_018319 // TDP1 // tyrosyl-DNA phosphodiesterase 1 // 14q32.11 // 55775 /// NM	0.552618	0.221648	0.823245	2.20E-07	1.28
7923426	NM_014176	UBE2T	NM_014176 // UBE2T // ubiquitin-conjugating enzyme E2T (putative) // 1q32.1 // 2	0.00814	0.677835	0.752449	2.20E-07	1.34
7979710	NM_016445	PLEK2	NM_016445 // PLEK2 // pleckstrin 2 // 14q23.3 // 26499 /// ENST00000216446 // PL	0.057397	0.461937	0.310127	2.25E-07	1.23
7939087	BC047775	C11orf46	BC047775 // C11orf46 // chromosome 11 open reading frame 46 // 11p14.1 // 120534	0.606553	0.189541	0.985639	2.26E-07	1.28
8137264	NM_018487	TMEM176A	NM_018487 // TMEM176A // transmembrane protein 176A // 7q36.1 // 55365 /// ENST0	0.083102	0.938935	0.417507	2.27E-07	1.56
8056545	NM_013233	STK39	NM_013233 // STK39 // serine threonine kinase 39 // 2q24.3 // 27347 /// ENST0000	0.489022	0.25454	0.30855	2.27E-07	1.33
7961514	NM_001190839	MGP	NM_001190839 // MGP // matrix Gla protein // 12p12.3 // 4256 /// NM_000900 // MG	0.097346	0.115601	0.690001	2.28E-07	1.45
8015821	NM_004527	MEOX1	NM_004527 // MEOX1 // mesenchyme homeobox 1 // 17q21 // 4222 /// NM_013999 // ME	0.838196	0.945216	0.757898	2.29E-07	1.51

7909890	NM_021958	HLX	NM_021958 // HLX // H2.0-like homeobox // 1q41 // 3142 /// ENST00000366903 // HL	0.730005	0.001128	0.355538	2.30E-07	-1.33
8019924	NM_006471	MYL12A	NM_006471 // MYL12A // myosin, light chain 12A, regulatory, non-sarcomeric // 18	0.201971	0.820551	0.022705	2.31E-07	-1.23
7914282	NM_014654	SDC3	NM_014654 // SDC3 // syndecan 3 // 1pter-p22.3 // 9672 /// ENST00000339394 // SD	0.01219	0.75466	0.582438	2.32E-07	1.28
8054064	NM_025190	ANKRD36B	NM_025190 // ANKRD36B // ankyrin repeat domain 36B // 2q11.2 // 57730 /// ENST00	0.003279	0.294145	0.0175291	2.33E-07	1.63
8115302	NM_001447	FAT2	NM_001447 // FAT2 // FAT tumor suppressor homolog 2 (Drosophila) // 5q33.1 // 21	0.637652	0.035622	0.83019	2.35E-07	2.00
7918936	NM_024626	VTCN1	NM_024626 // VTCN1 // V-set domain containing T cell activation inhibitor 1 // 1	0.692752	0.122683	0.55639	2.35E-07	2.03
8058221	NM_015049	TRAK2	NM_015049 // TRAK2 // trafficking protein, kinesin binding 2 // 2q33 // 66008 //	0.142385	0.364308	0.050856	2.36E-07	-1.27
7962312	NM_005164	ABCD2	NM_005164 // ABCD2 // ATP-binding cassette, sub-family D (ALD), member 2 // 12q1	0.00821	0.079948	0.620044	2.36E-07	1.61
8080863	NM_001080537	SNTN	NM_001080537 // SNTN // sentan, cilia apical structure protein // 3p14.2 // 1322	0.238855	0.483022	0.971701	2.36E-07	4.09
7976496	NM_001085	SERPINA3	NM_001085 // SERPINA3 // serpin peptidase inhibitor, clade A (alpha-1 antiprotei	0.159405	0.416207	0.324897	2.38E-07	-2.14
8057056	NM_133378	TTN	NM_133378 // TTN // titin // 2q31 // 7273 /// NM_133437 // TTN // titin // 2q31	0.402046	0.460993	0.974184	2.41E-07	-2.31

8105487	NM_138453	RAB3C	NM_138453 // RAB3C // RAB3C, member RAS oncogene family // 5q13 // 115827 /// EN	0.818894	0.133574	0.312117	2.45E-07	1.34
8043433	BC110394	IGKC	BC110394 // IGKC // immunoglobulin kappa constant // 2p12 // 3514	0.159635	0.394985	0.599654	2.46E-07	2.66
8043480	---		---	0.198554	0.416781	0.111768	2.47E-07	1.94
8104321	NM_139056	ADAMTS16	NM_139056 // ADAMTS16 // ADAM metallopeptidase with thrombospondin type 1 motif,	0.16236	0.508121	0.737958	2.49E-07	1.43
8163328	NM_001146108	PTGR1	NM_001146108 // PTGR1 // prostaglandin reductase 1 // 9q31.3 // 22949 /// NM_012	0.217126	0.048414	0.185617	2.49E-07	1.46
7946306	NM_198185	OVCH2	NM_198185 // OVCH2 // ovochymase 2 (gene/pseudogene) // 11p15.4 // 341277 /// EN	0.003133	0.266658	0.47883	2.50E-07	-1.39
8030782	NM_014441	SIGLEC9	NM_014441 // SIGLEC9 // sialic acid binding Ig-like lectin 9 // 19q13.41 // 2718	0.06986	0.138717	0.304612	2.52E-07	-1.49
8034873	NM_013447	EMR2	NM_013447 // EMR2 // egf-like module containing, mucin-like, hormone receptor-li	0.022407	0.065178	0.670849	2.55E-07	-1.48
7996022	NM_002990	CCL22	NM_002990 // CCL22 // chemokine (C-C motif) ligand 22 // 16q13 // 6367 /// ENST0	0.696872	0.690261	0.135964	2.58E-07	1.55
8049752	NM_001080437	SNED1	NM_001080437 // SNED1 // sushi, nidogen and EGF-like domains 1 // 2q37.3 // 2599	0.850931	0.088304	0.275071	2.58E-07	1.37
7953150	NM_003213	TEAD4	NM_003213 // TEAD4 // TEA domain family member 4 // 12p13.3-p13.2 // 7004 /// NM	0.002929	0.29464	0.625462	2.65E-07	-1.28
8131067	NM_138445	GPR146	NM_138445 // GPR146 // G protein-coupled receptor 146 // 7p22.3 // 115330 /// EN	0.171556	0.57247	0.877954	2.66E-07	-1.63

8168205	NM_005938	FOXO4	NM_005938 // FOXO4 // forkhead box O4 // Xq13.1 // 4303 /// NM_001170931 // FOXO	0.019014	0.285888	0.304237	2.69E-07	-1.28
8088264	NM_017563	IL17RD	NM_017563 // IL17RD // interleukin 17 receptor D // 3p14.3 // 54756 /// ENST0000	0.438077	0.241758	0.0729714	2.72E-07	1.28
8149955	NM_018492	PBK	NM_018492 // PBK // PDZ binding kinase // 8p21.2 // 55872 /// ENST00000301905 //	0.000701	0.590531	0.35464	2.76E-07	1.42
8133114	NM_173517	VKORC1L1	NM_173517 // VKORC1L1 // vitamin K epoxide reductase complex, subunit 1-like 1 /	0.981686	0.264269	0.0667637	2.78E-07	-1.31
8059111	NM_005689	ABCB6	NM_005689 // ABCB6 // ATP-binding cassette, sub-family B (MDR/TAP), member 6 //	0.694607	0.242415	0.0641593	2.78E-07	-1.28
8004957	NM_001372	DNAH9	NM_001372 // DNAH9 // dynein, axonemal, heavy chain 9 // 17p12 // 1770 /// NM_00	0.268483	0.214715	0.968776	2.79E-07	2.85
8085867	NM_199347	NEK10	NM_199347 // NEK10 // NIMA (never in mitosis gene a)- related kinase 10 // 3p24.	0.227773	0.229685	0.915776	2.79E-07	2.59
7946815	NM_002645	PIK3C2A	NM_002645 // PIK3C2A // phosphoinositide-3-kinase, class 2, alpha polypeptide //	0.22095	0.931002	0.945557	2.84E-07	-1.33
8161265	NM_001007563	IGFBPL1	NM_001007563 // IGFBPL1 // insulin-like growth factor binding protein-like 1 //	0.038643	0.476211	0.821663	2.85E-07	1.33
7969166	NM_173605	KCNRG	NM_173605 // KCNRG // potassium channel regulator // 13q14.2 // 283518 /// NM_19	0.112449	0.060486	0.74118	2.87E-07	2.01
7927732	NM_032199	ARID5B	NM_032199 // ARID5B // AT rich interactive domain 5B (MRF1-like) // 10q21.2 // 8	0.257663	0.68205	0.233329	2.91E-07	1.38

7959408	NM_014708	KNTC1	NM_014708 // KNTC1 // kinetochore associated 1 // 12q24.31 // 9735 /// ENST00000	0.769526	0.098859	0.939528	2.91E-07	1.40
8089112	NM_182909	FILIP1L	NM_182909 // FILIP1L // filamin A interacting protein 1-like // 3q12.1 // 11259	0.48539	0.385404	0.0462463	2.92E-07	1.25
7968212	NM_006646	WASF3	NM_006646 // WASF3 // WAS protein family, member 3 // 13q12 // 10810 /// ENST000	0.620559	0.120099	0.651066	2.93E-07	-1.33
8124531	NM_003533	HIST1H3I	NM_003533 // HIST1H3I // histone cluster 1, H3i // 6p22.1 // 8354 /// BC066884 /	0.003252	0.93433	0.969182	2.96E-07	1.81
7914940	NM_031280	MRPS15	NM_031280 // MRPS15 // mitochondrial ribosomal protein S15 // 1p34.3 // 64960 //	0.023562	0.897807	0.582176	2.96E-07	-1.35
8057620	NM_000393	COL5A2	NM_000393 // COL5A2 // collagen, type V, alpha 2 // 2q14-q32 // 1290 /// ENST000	0.25456	0.152614	0.992895	2.99E-07	1.76
8020527	NM_013326	C18orf8	NM_013326 // C18orf8 // chromosome 18 open reading frame 8 // 18q11.2 // 29919 /	0.66101	0.842876	0.840624	3.00E-07	-1.26
8029147	NM_199002	ARHGEF1	NM_199002 // ARHGEF1 // Rho guanine nucleotide exchange factor (GEF) 1 // 19q13.	0.353585	0.142401	0.6076	3.06E-07	-1.25
8126371	NM_001760	CCND3	NM_001760 // CCND3 // cyclin D3 // 6p21 // 896 /// NM_001136125 // CCND3 // cycl	0.166004	0.023575	0.530362	3.08E-07	-1.35
7973974	NM_006194	PAX9	NM_006194 // PAX9 // paired box 9 // 14q13.3 // 5083 /// ENST00000402703 // PAX9	0.566071	0.144109	0.905158	3.08E-07	1.75
8150691	NM_024593	EFCAB1	NM_024593 // EFCAB1 // EF-hand calcium binding domain 1 // 8q11.21 // 79645 ///	0.202259	0.214959	0.957512	3.13E-07	3.69

8088436	NM_198463	C3orf67	NM_198463 // C3orf67 // chromosome 3 open reading frame 67 // 3p14.2 // 200844 /	0.945702	0.295093	0.931041	3.16E-07	1.48
7952526	NM_016952	CDON	NM_016952 // CDON // Cdon homolog (mouse) // 11q23-q24 // 50937 /// ENST00000263	0.399323	0.399583	0.317128	3.22E-07	1.55
7954985	NM_032256	TMEM117	NM_032256 // TMEM117 // transmembrane protein 117 // 12q12 // 84216 /// ENST0000	0.541024	0.010029	0.555429	3.24E-07	1.28
8002897	NM_001077419	TMEM231	NM_001077419 // TMEM231 // transmembrane protein 231 // 16q23.1 // 79583 /// NM_	0.375484	0.281666	0.814678	3.24E-07	1.84
8143307	NM_022740	HIPK2	NM_022740 // HIPK2 // homeodomain interacting protein kinase 2 // 7q32-q34 // 28	0.892583	0.662456	0.299086	3.27E-07	-1.30
8136940	NM_001130026	FAM115C	NM_001130026 // FAM115C // family with sequence similarity 115, member C // 7q35	0.181386	0.166908	0.108799	3.29E-07	-1.26
8165258	NM_006412	AGPAT2	NM_006412 // AGPAT2 // 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosp	0.822072	0.054264	0.660896	3.29E-07	-1.31
8140864	NM_000786	CYP51A1	NM_000786 // CYP51A1 // cytochrome P450, family 51, subfamily A, polypeptide 1 /	0.160709	0.140738	0.0190337	3.30E-07	-1.51
8075828	NM_001177701	IFT27	NM_001177701 // IFT27 // intraflagellar transport 27 homolog (Chlamydomonas) //	0.848198	0.577745	0.369094	3.30E-07	1.44
8132118	NM_198098	AQP1	NM_198098 // AQP1 // aquaporin 1 (Colton blood group) // 7p14 // 358 /// NM_0011	0.967897	0.190012	0.472662	3.30E-07	-1.44
7955469	NM_001039960	SLC4A8	NM_001039960 // SLC4A8 // solute carrier family 4, sodium bicarbonate cotranspor	0.476279	0.12286	0.987893	3.34E-07	1.53

8063187	NM_005244	EYA2	NM_005244 // EYA2 // eyes absent homolog 2 (Drosophila) // 20q13.1 // 2139 /// N	0.488022	0.179422	0.936127	3.37E-07	1.50
8046646	NM_032523	OSBPL6	NM_032523 // OSBPL6 // oxysterol binding protein-like 6 // 2q32.1 // 114880 ///	0.009283	0.311095	0.90342	3.39E-07	1.68
8070603	NM_080860	RSPH1	NM_080860 // RSPH1 // radial spoke head 1 homolog (Chlamydomonas) // 21q22.3 //	0.41288	0.356584	0.985473	3.40E-07	2.60
8058477	NM_003709	KLF7	NM_003709 // KLF7 // Kruppel-like factor 7 (ubiquitous) // 2q32 // 8609 /// ENST	0.154447	0.37862	0.974216	3.42E-07	-1.33
8100378	NR_027153	RPL21P44	NR_027153 // RPL21P44 // ribosomal protein L21 pseudogene 44 // 4q12 // 402176	0.07758	0.489288	0.608268	3.42E-07	-1.32
8135514	NM_001550	IFRD1	NM_001550 // IFRD1 // interferon-related developmental regulator 1 // 7q31.1 //	0.801908	0.165665	0.580127	3.44E-07	-1.29
7902594	NM_182948	PRKACB	NM_182948 // PRKACB // protein kinase, cAMP-dependent, catalytic, beta // 1p36.1	0.082155	0.469676	0.0658919	3.45E-07	1.32
8028254	NM_001013659	ZNF793	NM_001013659 // ZNF793 // zinc finger protein 793 // 19q13.12 // 390927 /// ENST	0.055175	0.595944	0.777934	3.45E-07	1.24
8135638	NM_018412	ST7	NM_018412 // ST7 // suppression of tumorigenicity 7 // 7q31.2 // 7982 /// NM_021	0.266058	0.432287	0.222827	3.51E-07	-1.29
8123678	NM_183373	C6orf145	NM_183373 // C6orf145 // chromosome 6 open reading frame 145 // 6p25.2 // 221749	0.122586	0.173853	0.242767	3.52E-07	-1.41
7908993	NM_005686	SOX13	NM_005686 // SOX13 // SRY (sex determining region Y)-box 13 // 1q32 // 9580 ///	0.184952	0.845735	0.62367	3.52E-07	-1.27

8089372	NM_020890	KIAA1524	NM_020890 // KIAA1524 // KIAA1524 // 3q13.13 // 57650 /// ENST00000295746 // KIA	0.246266	0.161218	0.92325	3.57E-07	1.38
8127756	NM_181714	LCA5	NM_181714 // LCA5 // Leber congenital amaurosis 5 // 6q14.1 // 167691 /// NM_001	0.137639	0.385064	0.700208	3.62E-07	1.48
8072744	NM_013416	NCF4	NM_013416 // NCF4 // neutrophil cytosolic factor 4, 40kDa // 22q13.1 // 4689 ///	0.004658	0.403555	0.232061	3.64E-07	-1.41
8138776	NM_152740	HIBADH	NM_152740 // HIBADH // 3-hydroxyisobutyrate dehydrogenase // 7p15.2 // 11112 ///	0.241741	0.641244	0.326472	3.64E-07	1.25
7979241	NM_001202	BMP4	NM_001202 // BMP4 // bone morphogenetic protein 4 // 14q22-q23 // 652 /// NM_130	0.105506	0.104565	0.166705	3.65E-07	1.43
8026915	NM_015683	ARRDC2	NM_015683 // ARRDC2 // arrestin domain containing 2 // 19p13.11 // 27106 /// NM_	0.526942	0.066836	0.408911	3.66E-07	-1.61
7898809	NM_017449	EPHB2	NM_017449 // EPHB2 // EPH receptor B2 // 1p36.1-p35 // 2048 /// NM_004442 // EPH	0.089865	0.989176	0.395376	3.66E-07	1.27
8002446	NM_032821	HYDIN	NM_032821 // HYDIN // hydrocephalus inducing homolog (mouse) // 16q22.2 // 54768	0.319345	0.2357	0.987913	3.72E-07	2.54
7956978	NM_018656	SLC35E3	NM_018656 // SLC35E3 // solute carrier family 35, member E3 // 12q15 // 55508 //	0.006532	0.201298	0.007103	3.76E-07	-1.25
8141882	NR_027768	DPY19L2P2	NR_027768 // DPY19L2P2 // dpy-19-like 2 pseudogene 2 (C. elegans) // 7q22.1 // 3	0.11293	0.131958	0.494678	3.79E-07	2.07
8004889	NM_145054	WDR16	NM_145054 // WDR16 // WD repeat domain 16 // 17p13.1 // 146845 /// NM_001080556	0.149761	0.497668	0.933141	3.81E-07	2.52

8170850	NM_000117	EMD	NM_000117 // EMD // emerin // Xq28 // 2010 /// ENST00000369842 // EMD // emerin	0.028941	0.510166	0.573055	3.81E-07	-1.28
8169294	NM_000495	COL4A5	NM_000495 // COL4A5 // collagen, type IV, alpha 5 // Xq22 // 1287 /// NM_033380	0.020221	0.35188	0.711245	3.82E-07	1.34
7951596	NM_006235	POU2AF1	NM_006235 // POU2AF1 // POU class 2 associating factor 1 // 11q23.1 // 5450 ///	0.031953	0.106555	0.951858	3.82E-07	1.52
8142930	NM_018718	TSGA14	NM_018718 // TSGA14 // testis specific, 14 // 7q32 // 95681 /// ENST00000223208	0.507177	0.021757	0.678433	3.83E-07	1.40
8006594	NM_002988	CCL18	NM_002988 // CCL18 // chemokine (C-C motif) ligand 18 (pulmonary and activation-	0.89041	0.825881	0.220761	3.83E-07	2.16
7963567	NM_002273	KRT8	NM_002273 // KRT8 // keratin 8 // 12q13 // 3856 /// ENST00000293308 // KRT8 // k	0.008089	0.730505	0.57675	3.83E-07	1.65
8124166	NM_001080480	MBOAT1	NM_001080480 // MBOAT1 // membrane bound O-acyltransferase domain containing 1 /	0.072037	0.142432	0.593247	3.84E-07	1.37
8021131	NM_031303	KATNAL2	NM_031303 // KATNAL2 // katanin p60 subunit A-like 2 // 18q21.1 // 83473 /// ENS	0.219324	0.042376	0.572125	3.85E-07	1.48
7981346	NM_014226	RAGE	NM_014226 // RAGE // renal tumor antigen // 14q32 // 5891 /// ENST00000361847 //	0.221974	0.046824	0.638324	3.87E-07	1.62
8090433	NM_007283	MGLL	NM_007283 // MGLL // monoglyceride lipase // 3q21.3 // 11343 /// NM_001003794 //	0.85884	0.276408	0.154295	3.88E-07	-1.25
8151942	NM_005836	HRSP12	NM_005836 // HRSP12 // heat-responsive protein 12 // 8q22 // 10247 /// ENST00000	0.893068	0.809137	0.5455	3.88E-07	-1.44

8001457	NM_001025195	CES1	NM_001025195 // CES1 // carboxylesterase 1 // 16q22.2 // 1066 /// NM_001025194 /	0.084707	0.003514	0.730103	3.90E-07	-1.40
8176655	NR_028319	NLGN4Y	NR_028319 // NLGN4Y // neuroligin 4, Y-linked // Yq11.221 // 22829 /// NM_001164	0.374536	0	0.70513	3.90E-07	1.35
7981142	NM_024734	CLMN	NM_024734 // CLMN // calmin (calponin-like, transmembrane) // 14q32.13 // 79789	0.867589	0.002242	0.341602	3.91E-07	1.55
8101659	NM_001128310	SPARCL1	NM_001128310 // SPARCL1 // SPARC-like 1 (hevin) // 4q22.1 // 8404 /// NM_004684	0.032182	0.672503	0.0923675	3.92E-07	-1.44
8176193	NM_000132	F8	NM_000132 // F8 // coagulation factor VIII, procoagulant component // Xq28 // 21	5.11E-05	0.370003	0.37879	3.93E-07	-2.14
8052845	NM_022173	TIA1	NM_022173 // TIA1 // TIA1 cytotoxic granule-associated RNA binding protein // 2p	4.69E-05	0.237045	0.86386	3.94E-07	1.30
8078665	NM_015873	VILL	NM_015873 // VILL // villin-like // 3p21.3 // 50853 /// ENST00000383759 // VILL	0.584152	0.190249	0.984695	3.97E-07	1.29
8103166	NM_001009555	SH3D19	NM_001009555 // SH3D19 // SH3 domain containing 19 // 4q31.3 // 152503 /// NM_00	0.000399	0.212577	0.579446	4.06E-07	-1.43
7902850	NM_198460	GBP6	NM_198460 // GBP6 // guanylate binding protein family, member 6 // 1p22.2 // 163	0.669802	0.027419	0.700931	4.08E-07	1.72
8081799	NM_173799	TIGIT	NM_173799 // TIGIT // T cell immunoreceptor with Ig and ITIM domains // 3q13.31	0.59413	0.443672	0.640911	4.08E-07	1.42
7928126	NM_014431	KIAA1274	NM_014431 // KIAA1274 // KIAA1274 // 10q22.1 // 27143 /// ENST00000263563 // KIA	0.386453	0.112804	0.467316	4.11E-07	-1.34

8169640	NM_001152	SLC25A5	NM_001152 // SLC25A5 // solute carrier family 25 (mitochondrial carrier; adenine	0.000302	0.208116	0.479925	4.13E-07	-1.24
8155169	NM_021111	RECK	NM_021111 // RECK // reversion-inducing-cysteine-rich protein with kazal motifs	0.067483	0.342754	0.164789	4.14E-07	-1.38
8145291	AF495725	SLC25A37	AF495725 // SLC25A37 // solute carrier family 25, member 37 // 8p21.2 // 51312	0.147002	0.518032	0.254555	4.15E-07	-1.35
8147221	NM_004337	OSGIN2	NM_004337 // OSGIN2 // oxidative stress induced growth inhibitor family member 2	0.639178	0.028422	0.215757	4.18E-07	-1.31
7921862	NM_001013625	C1orf192	NM_001013625 // C1orf192 // chromosome 1 open reading frame 192 // 1q23.3 // 257	0.360787	0.250559	0.983274	4.21E-07	2.72
8107133	NM_000919	PAM	NM_000919 // PAM // peptidylglycine alpha-amidating monooxygenase // 5q14-q21 //	0.891337	0.683333	0.0278584	4.23E-07	1.25
8064451	NM_001122962	SIRPB2	NM_001122962 // SIRPB2 // signal-regulatory protein beta 2 // 20p13 // 284759 //	0.597904	0.629801	0.464546	4.24E-07	-1.40
8121015	NM_001031743	C6orf165	NM_001031743 // C6orf165 // chromosome 6 open reading frame 165 // 6q15 // 15431	0.282545	0.154267	0.991803	4.24E-07	2.64
8057463	NM_201548	CERKL	NM_201548 // CERKL // ceramide kinase-like // 2q31.3 // 375298 /// NM_001030311	0.58629	0.184047	0.975568	4.24E-07	2.11
8022559	NM_173505	ANKRD29	NM_173505 // ANKRD29 // ankyrin repeat domain 29 // 18q11.2 // 147463 /// ENST00	0.025043	0.039885	0.672563	4.26E-07	-1.63
8011945	NM_014804	KIAA0753	NM_014804 // KIAA0753 // KIAA0753 // 17p13.1 // 9851 /// ENST00000361413 // KIAA	0.176043	0.005432	0.726896	4.26E-07	1.31

8071676	NM_004914	RAB36	NM_004914 // RAB36 // RAB36, member RAS oncogene family // 22q11.22 // 9609 ///	0.89158	0.259148	0.668086	4.28E-07	1.54
8084895	NM_152673	MUC20	NM_152673 // MUC20 // mucin 20, cell surface associated // 3q29 // 200958 /// NM	0.910651	0.916879	0.892608	4.33E-07	1.74
7936322	NM_020918	GPAM	NM_020918 // GPAM // glycerol-3-phosphate acyltransferase, mitochondrial // 10q2	0.001623	0.791416	0.132874	4.33E-07	-1.55
8093258	NM_032263	IQCG	NM_032263 // IQCG // IQ motif containing G // 3q29 // 84223 /// NM_001134435 //	0.182528	0.109527	0.796719	4.34E-07	1.98
8115831	NM_004417	DUSP1	NM_004417 // DUSP1 // dual specificity phosphatase 1 // 5q34 // 1843 /// ENST000	0.320642	0.005311	0.278202	4.35E-07	-1.94
8084607	NM_021627	SENP2	NM_021627 // SENP2 // SUMO1/sentrin/SMT3 specific peptidase 2 // 3q27.2 // 59343	0.125632	0.542717	0.977379	4.41E-07	-1.26
8062444	NM_001725	BPI	NM_001725 // BPI // bactericidal/permeability-increasing protein // 20q11.23 //	0.367865	0.384259	0.501637	4.45E-07	-1.38
7980309	NM_007176	C14orf1	NM_007176 // C14orf1 // chromosome 14 open reading frame 1 // 14q24.3 // 11161 /	0.251134	0.636376	0.0897665	4.47E-07	-1.31
8054486	NM_000272	NPHP1	NM_000272 // NPHP1 // nephronophthisis 1 (juvenile) // 2q13 // 4867 /// NM_20718	0.206357	0.093449	0.843458	4.53E-07	1.80
7929816	NM_005063	SCD	NM_005063 // SCD // stearoyl-CoA desaturase (delta-9-desaturase) // 10q24.31 //	0.97985	0.316423	0.341617	4.56E-07	-2.10
7912145	NM_001561	TNFRSF9	NM_001561 // TNFRSF9 // tumor necrosis factor receptor superfamily, member 9 //	0.016799	0.137537	0.45775	4.60E-07	1.54

8100298	NM_001014446	OCIAD2	NM_001014446 // OCIAD2 // OCIA domain containing 2 // 4p11 // 132299 /// NM_1523	0.217793	0.628302	0.642169	4.62E-07	1.42
7931810	NM_001300	KLF6	NM_001300 // KLF6 // Kruppel-like factor 6 // 10p15 // 1316 /// NR_027653 // KLF	0.463888	0.006619	0.651675	4.63E-07	-1.47
8175444	NM_004114	FGF13	NM_004114 // FGF13 // fibroblast growth factor 13 // Xq26.3 // 2258 /// NM_03364	0.006636	0.468117	0.702413	4.67E-07	1.30
7983393	NM_003104	SORD	NM_003104 // SORD // sorbitol dehydrogenase // 15q15.3 // 6652 /// NR_034039 //	0.136641	0.009449	0.935373	4.71E-07	1.52
8119918	NM_153246	C6orf223	NM_153246 // C6orf223 // chromosome 6 open reading frame 223 // 6p21.1 // 221416	0.827324	0.502595	0.700859	4.78E-07	-1.31
8052916	NM_015717	CD207	NM_015717 // CD207 // CD207 molecule, langerin // 2p13 // 50489 /// ENST00000410	0.45925	0.505742	0.864941	4.80E-07	1.48
8128956	NM_002037	FYN	NM_002037 // FYN // FYN oncogene related to SRC, FGR, YES // 6q21 // 2534 /// NM	0.110441	0.210231	0.97945	4.81E-07	-1.34
7901969	NM_005012	ROR1	NM_005012 // ROR1 // receptor tyrosine kinase-like orphan receptor 1 // 1p32-p31	0.598749	0.084313	0.925884	4.83E-07	-1.33
8023995	NM_005860	FSTL3	NM_005860 // FSTL3 // follistatin-like 3 (secreted glycoprotein) // 19p13 // 102	0.152355	0.091949	0.613344	4.86E-07	-1.43
7954469	NM_007211	RASSF8	NM_007211 // RASSF8 // Ras association (RalGDS/AF-6) domain family (N-terminal)	0.564211	0.058095	0.393127	4.90E-07	-1.27
8062490	NR_002986	SNORA60	NR_002986 // SNORA60 // small nucleolar RNA, H/ACA box 60 // 20q11.23 // 677837	0.338981	0.626159	0.150095	4.91E-07	1.47

8098177	NM_007246	KLHL2	NM_007246 // KLHL2 // kelch-like 2, Mayven (Drosophila) // 4q21.2 // 11275 /// N	0.260431	0.101894	0.637801	4.92E-07	-1.29
7973918	NM_173607	FAM177A1	NM_173607 // FAM177A1 // family with sequence similarity 177, member A1 // 14q13	0.279644	0.969213	0.410045	4.93E-07	-1.47
7975292	NM_002877	RAD51L1	NM_002877 // RAD51L1 // RAD51-like 1 (S. cerevisiae) // 14q23-q24.2 // 5890 ///	0.014271	0.323423	0.681571	4.97E-07	1.29
7937892	NR_027015	PGAP2	NR_027015 // PGAP2 // post-GPI attachment to proteins 2 // 11p15.5 // 27315 ///	0.475776	0.057633	0.0151797	4.99E-07	-1.26
7905220	NM_004425	ECM1	NM_004425 // ECM1 // extracellular matrix protein 1 // 1q21 // 1893 /// NM_02266	0.014224	0.386691	0.552357	4.99E-07	1.29
7918294	NM_001122961	C1orf194	NM_001122961 // C1orf194 // chromosome 1 open reading frame 194 // 1p13.3 // 127	0.44469	0.499594	0.97103	5.02E-07	3.63
8097356	NM_014264	PLK4	NM_014264 // PLK4 // polo-like kinase 4 // 4q28 // 10733 /// NM_001190799 // PLK	0.392764	0.386149	0.774272	5.02E-07	1.36
7901931	NM_032437	EFCAB7	NM_032437 // EFCAB7 // EF-hand calcium binding domain 7 // 1p31.3 // 84455 /// E	0.029464	0.034615	0.734254	5.03E-07	1.42
8054166	NM_025244	TSGA10	NM_025244 // TSGA10 // testis specific, 10 // 2q11.2 // 80705 /// NM_182911 // T	0.438105	0.405639	0.9087	5.08E-07	2.13
7919637	NM_003528	HIST2H2BE	NM_003528 // HIST2H2BE // histone cluster 2, H2be // 1q21.2 // 8349 /// ENST0000	0.330564	0.452064	0.385944	5.09E-07	-1.39
8061653	NM_080625	C20orf160	NM_080625 // C20orf160 // chromosome 20 open reading frame 160 // 20q11.2 // 140	0.009262	0.053525	0.236042	5.10E-07	-1.33

8130664	NM_144980	C6orf118	NM_144980 // C6orf118 // chromosome 6 open reading frame 118 // 6q27 // 168090 /	0.381976	0.241344	0.906604	5.11E-07	2.49
8044611	---		---	0.410834	0.982326	0.664478	5.31E-07	1.62
8062427	NM_080607	VSTM2L	NM_080607 // VSTM2L // V-set and transmembrane domain containing 2 like // 20q11	0.070902	0.484408	0.628662	5.36E-07	1.43
8100541	NM_001553	IGFBP7	NM_001553 // IGFBP7 // insulin-like growth factor binding protein 7 // 4q12 // 3	0.886872	0.687456	0.185496	5.37E-07	1.37
7910694	NM_080738	EDARADD	NM_080738 // EDARADD // EDAR-associated death domain // 1q42.3 // 128178 /// NM_	0.556108	0.517451	0.955894	5.38E-07	1.26
7946365	NM_030906	STK33	NM_030906 // STK33 // serine/threonine kinase 33 // 11p15.3 // 65975 /// ENST000	0.162227	0.088724	0.82101	5.45E-07	2.15
8104394	NM_020546	ADCY2	NM_020546 // ADCY2 // adenylate cyclase 2 (brain) // 5p15.3 // 108 /// ENST00000	0.986112	0.270625	0.904431	5.46E-07	1.29
8121729	NM_002667	PLN	NM_002667 // PLN // phospholamban // 6q22.1 // 5350 /// ENST00000357525 // PLN /	0.029544	0.183081	0.206049	5.47E-07	1.84
8113641	NM_001801	CDO1	NM_001801 // CDO1 // cysteine dioxygenase, type I // 5q23.2 // 1036 /// ENST0000	0.024641	0.333559	0.189131	5.50E-07	-1.49
8023314	NM_145020	CCDC11	NM_145020 // CCDC11 // coiled-coil domain containing 11 // 18q21.1 // 220136 ///	0.221217	0.289571	0.986866	5.51E-07	2.73
8161884	NM_015225	PRUNE2	NM_015225 // PRUNE2 // prune homolog 2 (Drosophila) // 9q21.2 // 158471 /// AB53	0.147593	0.340528	0.184824	5.53E-07	1.81
8052598	NM_015910	C2orf86	NM_015910 // C2orf86 // chromosome 2 open reading frame 86 // 2p15 // 51057 ///	0.011114	0.051481	0.787242	5.53E-07	1.36

8001133	NM_024745	SHCBP1	NM_024745 // SHCBP1 // SHC SH2-domain binding protein 1 // 16q11.2 // 79801 ///	0.005555	0.439361	0.908132	5.54E-07	1.50
8043504	NM_002371	MAL	NM_002371 // MAL // mal, T-cell differentiation protein // 2cen-q13 // 4118 ///	0.273684	0.045526	0.349827	5.56E-07	-1.39
8007008	NM_003250	THRA	NM_003250 // THRA // thyroid hormone receptor, alpha (erythroblastic leukemia vi	0.112571	0.023632	0.231508	5.57E-07	-1.27
8102342	NM_024090	ELOVL6	NM_024090 // ELOVL6 // ELOVL family member 6, elongation of long chain fatty aci	0.814639	0.267604	0.914818	5.60E-07	-1.40
8106280	NM_000859	HMGCR	NM_000859 // HMGCR // 3-hydroxy-3-methylglutaryl-CoA reductase // 5q13.3-q14 //	0.780164	0.607379	0.0433324	5.64E-07	-1.51
8075728	NM_002473	MYH9	NM_002473 // MYH9 // myosin, heavy chain 9, non-muscle // 22q13.1 // 4627 /// EN	0.608259	0.612419	0.424695	5.66E-07	-1.29
7900555	NM_001080850	CCDC30	NM_001080850 // CCDC30 // coiled-coil domain containing 30 // 1p34.2 // 728621 /	0.049641	0.180718	0.948984	5.75E-07	1.82
8040698	NM_017877	C2orf18	NM_017877 // C2orf18 // chromosome 2 open reading frame 18 // 2p23.3 // 54978 //	0.293367	0.737474	0.31172	5.77E-07	-1.23
8146687	NM_144650	ADHFE1	NM_144650 // ADHFE1 // alcohol dehydrogenase, iron containing, 1 // 8q13.1 // 13	0.000318	0.864706	0.710062	5.78E-07	-1.68
8117594	NM_003521	HIST1H2BM	NM_003521 // HIST1H2BM // histone cluster 1, H2bm // 6p22.1 // 8342 /// ENST0000	0.001609	0.536073	0.189141	5.79E-07	1.60
8045470	NM_001080427	THSD7B	NM_001080427 // THSD7B // thrombospondin, type I, domain containing 7B // 2q22.1	0.574703	0.696293	0.571633	5.83E-07	1.32

8002882	NM_021615	CHST6	NM_021615 // CHST6 // carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6	0.489193	0.042942	0.835331	5.92E-07	1.83
7937612	NM_002458	MUC5B	NM_002458 // MUC5B // mucin 5B, oligomeric mucus/gel-forming // 11p15.5 // 72789	0.922899	0.043654	0.344285	5.94E-07	3.05
7899627	NM_022164	TINAGL1	NM_022164 // TINAGL1 // tubulointerstitial nephritis antigen-like 1 // 1p35.2 //	0.685515	0.145583	0.237659	5.94E-07	-1.30
7964602	NM_153377	LRIG3	NM_153377 // LRIG3 // leucine-rich repeats and immunoglobulin-like domains 3 //	0.090223	0.453856	0.440936	5.96E-07	1.50
7945014	NM_001274	CHEK1	NM_001274 // CHEK1 // CHK1 checkpoint homolog (S. pombe) // 11q24.2 // 1111 ///	0.015644	0.050318	0.685817	5.99E-07	1.36
8099524	NM_001130834	LDB2	NM_001130834 // LDB2 // LIM domain binding 2 // 4p16 // 9079 /// NM_001290 // LD	0.032399	0.025641	0.0253548	6.00E-07	-1.52
8073129	NM_002409	MGAT3	NM_002409 // MGAT3 // mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosa	0.073766	0.022358	0.321436	6.08E-07	-1.24
7964997	NM_032606	CAPS2	NM_032606 // CAPS2 // calcyphosine 2 // 12q14.1 // 84698 /// ENST00000409445 //	0.002216	0.058623	0.998358	6.11E-07	1.79
8064464	NM_178460	SIRPD	NM_178460 // SIRPD // signal-regulatory protein delta // 20p13 // 128646 /// ENS	0.377129	0.836276	0.995081	6.11E-07	-1.40
8078066	NM_152536	FGD5	NM_152536 // FGD5 // FYVE, RhoGEF and PH domain containing 5 // 3p25.1 // 152273	0.098152	0.053997	0.38744	6.15E-07	-1.45
8058350	NM_138468	ICA1L	NM_138468 // ICA1L // islet cell autoantigen 1,69kDa-like // 2q33.2 // 130026 //	0.039866	0.141172	0.835013	6.24E-07	1.40

8114572	NM_001945	HBEGF	NM_001945 // HBEGF // heparin-binding EGF-like growth factor // 5q23 // 1839 ///	0.584575	0.035289	0.114341	6.25E-07	-2.11
7974816	NM_001172702	SLC38A6	NM_001172702 // SLC38A6 // solute carrier family 38, member 6 // 14q23.1 // 1453	0.281775	0.009482	0.220249	6.26E-07	1.39
7992337	NM_144570	HN1L	NM_144570 // HN1L // hematological and neurological expressed 1-like // 16p13.3	0.800592	0.232587	0.77098	6.31E-07	1.45
7986563	---		---	0.037131	0.561073	0.584062	6.34E-07	1.42
7947947	NM_024783	AGBL2	NM_024783 // AGBL2 // ATP/GTP binding protein-like 2 // 11p11.2 // 79841 /// ENS	0.302391	0.154514	0.786002	6.34E-07	2.18
7931930	NM_006257	PRKCQ	NM_006257 // PRKCQ // protein kinase C, theta // 10p15 // 5588 /// ENST000002631	0.664069	0.349696	0.206979	6.35E-07	-1.44
8111506	NM_144647	CAPSL	NM_144647 // CAPSL // calcyphosine-like // 5p13.2 // 133690 /// NM_001042625 //	0.645983	0.222545	0.973681	6.36E-07	2.34
8047069	NM_001128928	INPP1	NM_001128928 // INPP1 // inositol polyphosphate-1-phosphatase // 2q32 // 3628 //	0.642832	0.449049	0.26057	6.36E-07	-1.32
7959681	NM_207437	DNAH10	NM_207437 // DNAH10 // dynein, axonemal, heavy chain 10 // 12q24.31 // 196385 //	0.200541	0.356257	0.984401	6.38E-07	2.98
7961844	NM_018272	CASC1	NM_018272 // CASC1 // cancer susceptibility candidate 1 // 12p12.1 // 55259 ///	0.266421	0.220974	0.994532	6.44E-07	2.26
7958620	NM_014055	IFT81	NM_014055 // IFT81 // intraflagellar transport 81 homolog (Chlamydomonas) // 12q	0.079242	0.13484	0.795963	6.46E-07	1.59
7949808	NM_004910	PITPNM1	NM_004910 // PITPNM1 // phosphatidylinositol transfer protein, membrane-associat	0.113918	0.345475	0.358682	6.47E-07	1.31

7962274	NM_001173464	KIF21A	NM_001173464 // KIF21A // kinesin family member 21A // 12q12 // 55605 /// NM_017	0.387043	0.392631	0.982462	6.53E-07	1.85
8142646	NM_178827	IQUB	NM_178827 // IQUB // IQ motif and ubiquitin domain containing // 7q31.32 // 1548	0.291611	0.165425	0.980418	6.53E-07	2.44
7983867	NM_032866	CGNL1	NM_032866 // CGNL1 // cingulin-like 1 // 15q21.3 // 84952 /// ENST00000281282 //	0.008846	0.109748	0.192122	6.53E-07	-1.56
8056710	NM_001085447	C2orf77	NM_001085447 // C2orf77 // chromosome 2 open reading frame 77 // 2q31.1 // 12988	0.322647	0.209208	0.928885	6.63E-07	2.50
8051361	NM_000348	SRD5A2	NM_000348 // SRD5A2 // steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 a	0.746154	0.103285	0.804958	6.68E-07	1.98
8031277	NM_015868	KIR2DL3	NM_015868 // KIR2DL3 // killer cell immunoglobulin-like receptor, two domains, l	0.793847	0.238025	0.0392834	6.68E-07	-1.27
8087691	NM_001005505	CACNA2D2	NM_001005505 // CACNA2D2 // calcium channel, voltage-dependent, alpha 2/delta su	0.514187	0.031153	0.204593	6.72E-07	-2.09
8054766	NM_001097	ACR	NM_001097 // ACR // acrosin // 22q13-qter|22q13.33 // 49 /// ENST00000216139 //	0.68207	0.363393	0.0699833	6.73E-07	-1.31
8025828	NM_000527	LDLR	NM_000527 // LDLR // low density lipoprotein receptor // 19p13.3 // 3949 /// NM_	0.068398	0.012545	0.0731341	6.73E-07	-1.60
7968962	ENST00000446175	LRRC63	ENST00000446175 // LRRC63 // leucine rich repeat containing 63 // 13q14.13 // 22	0.157463	0.068652	0.72845	6.77E-07	1.36
8176574	XM_003120332	LOC652811	XM_003120332 // LOC652811 // matrix-remodeling-associated protein 5-like // ---	0.527985	0.197549	0.973916	6.78E-07	1.37

7980152	NM_000428	LTBP2	NM_000428 // LTBP2 // latent transforming growth factor beta binding protein 2 /	0.144045	0.003215	0.849979	6.81E-07	1.57
8123303	NM_152410	PACRG	NM_152410 // PACRG // PARK2 co-regulated // 6q26 // 135138 /// NM_001080378 // P	0.352435	0.270859	0.947949	6.83E-07	2.10
8097829	NM_033393	FHDC1	NM_033393 // FHDC1 // FH2 domain containing 1 // 4q31.3 // 85462 /// ENST0000026	0.469605	0.283068	0.275358	6.92E-07	-1.65
8126402	NM_033502	TRERF1	NM_033502 // TRERF1 // transcriptional regulating factor 1 // 6p21.1-p12.1 // 55	0.017515	0.525319	0.938227	6.97E-07	1.28
8155747	NM_001010940	C9orf135	NM_001010940 // C9orf135 // chromosome 9 open reading frame 135 // 9q21.12 // 13	0.497457	0.294777	0.989569	6.98E-07	2.56
8059413	NM_014689	DOCK10	NM_014689 // DOCK10 // dedicator of cytokinesis 10 // 2q36.2 // 55619 /// ENST00	0.885331	0.563723	0.374683	6.98E-07	1.46
8039196	NM_001081450	LILRB3	NM_001081450 // LILRB3 // leukocyte immunoglobulin-like receptor, subfamily B (w	0.023614	0.11751	0.597596	7.01E-07	-1.47
7976795	NR_003530	MEG3	NR_003530 // MEG3 // maternally expressed 3 (non-protein coding) // 14q32 // 553	0.644325	0.55023	0.729549	7.08E-07	1.55
8166671	NM_152632	CXorf22	NM_152632 // CXorf22 // chromosome X open reading frame 22 // Xp21.1 // 170063 /	0.169979	0.319987	0.92582	7.09E-07	2.54
7932744	NM_018076	ARMC4	NM_018076 // ARMC4 // armadillo repeat containing 4 // 10p12.1-p11.23 // 55130 /	0.191853	0.235147	0.989339	7.13E-07	2.57
8019563	NR_003682	MGC70870	NR_003682 // MGC70870 // C-terminal binding protein 2 pseudogene // --- // 40334	0.280973	0.469237	0.979295	7.14E-07	1.48

8174271	NM_016370	RAB9B	NM_016370 // RAB9B // RAB9B, member RAS oncogene family // Xq22.1-q22.3 // 51209	0.870436	0.331222	0.140736	7.18E-07	1.27
7922382	NM_198493	ANKRD45	NM_198493 // ANKRD45 // ankyrin repeat domain 45 // 1q25.1 // 339416 /// ENST000	0.60816	0.257414	0.797108	7.22E-07	1.76
8008350	NM_032133	MYCBPAP	NM_032133 // MYCBPAP // MYCBP associated protein // 17q21.33 // 84073 /// ENST00	0.644419	0.265713	0.792413	7.25E-07	1.52
8092978	NM_018406	MUC4	NM_018406 // MUC4 // mucin 4, cell surface associated // 3q29 // 4585 /// NM_004	0.572227	0.190652	0.842596	7.25E-07	2.37
8000117	NM_001888	CRYM	NM_001888 // CRYM // crystallin, mu // 16p // 1428 /// NM_001014444 // CRYM // c	0.952654	0.716206	0.14521	7.27E-07	1.30
7953518	NR_033796	DSTNP2	NR_033796 // DSTNP2 // destrin (actin depolymerizing factor) pseudogene 2 // 12p	0.112837	0.672208	0.76686	7.32E-07	-1.30
7985695	NM_006738	AKAP13	NM_006738 // AKAP13 // A kinase (PRKA) anchor protein 13 // 15q24-q25 // 11214 /	0.876177	0.491126	0.307079	7.34E-07	-1.30
7934442	NM_001114133	SYNPO2L	NM_001114133 // SYNPO2L // synaptopodin 2-like // 10q22.2 // 79933 /// NM_024875	0.008184	0.082954	0.0093933	7.41E-07	-1.27
8044278	NM_144978	CCDC138	NM_144978 // CCDC138 // coiled-coil domain containing 138 // 2q12.3 // 165055 //	0.757416	0.534197	0.932175	7.42E-07	1.59
7947282	NM_020869	DCDC5	NM_020869 // DCDC5 // doublecortin domain containing 5 // 11p14.1 // 196296 ///	0.382117	0.180067	0.881534	7.43E-07	1.93
7989985	NM_001004439	ITGA11	NM_001004439 // ITGA11 // integrin, alpha 11 // 15q23 // 22801 /// ENST000003157	0.607838	0.57498	0.768134	7.48E-07	1.38

8133983	NM_021723	ADAM22	NM_021723 // ADAM22 // ADAM metallopeptidase domain 22 // 7q21 // 53616 /// NM_0	0.00943	0.412611	0.823382	7.50E-07	1.33
8060660	NM_052970	HSPA12B	NM_052970 // HSPA12B // heat shock 70kD protein 12B // 20p13 // 116835 /// NM_00	0.504865	0.0143	0.155399	7.51E-07	-1.38
7906339	NM_001763	CD1A	NM_001763 // CD1A // CD1a molecule // 1q22-q23 // 909 /// ENST00000289429 // CD1	0.716894	0.471664	0.157166	7.52E-07	1.54
7968035	NM_001166271	SPATA13	NM_001166271 // SPATA13 // spermatogenesis associated 13 // 13q12.12 // 221178 /	0.025691	0.317305	0.0640957	7.61E-07	-1.32
8145532	NM_001979	EPHX2	NM_001979 // EPHX2 // epoxide hydrolase 2, cytoplasmic // 8p21 // 2053 /// BC011	0.331136	0.359176	0.731108	7.66E-07	1.39
7913667	NM_000403	GALE	NM_000403 // GALE // UDP-galactose-4-epimerase // 1p36-p35 // 2582 /// NM_001008	0.014639	0.356338	0.585717	7.76E-07	-1.26
8166690	NM_173695	CXorf59	NM_173695 // CXorf59 // chromosome X open reading frame 59 // Xp21.1 // 286464 /	0.235833	0.316151	0.983073	7.76E-07	3.09
8096704	NM_001184690	NPNT	NM_001184690 // NPNT // nephronectin // 4q24 // 255743 /// NM_001033047 // NPNT	0.022271	0.045261	0.0920785	7.84E-07	-1.66
7916432	NM_014762	DHCR24	NM_014762 // DHCR24 // 24-dehydrocholesterol reductase // 1p32.3 // 1718 /// ENS	0.132742	0.088514	0.162575	7.85E-07	-1.44
7930818	ENST00000341276	ENO4	ENST00000341276 // ENO4 // enolase family member 4 // 10q25.3 // 387712 /// ENST	0.332807	0.103426	0.898921	7.92E-07	1.65
7977003	NM_015156	RCOR1	NM_015156 // RCOR1 // REST corepressor 1 // 14q32.31 // 23186 /// ENST0000026224	0.958541	0.511562	0.396882	7.94E-07	-1.31

8143781	NM_024711	GIMAP6	NM_024711 // GIMAP6 // GTPase, IMAP family member 6 // --- // 474344 /// NR_0241	0.443428	0.584792	0.0853638	7.94E-07	-1.52
8154163	NM_005772	RCL1	NM_005772 // RCL1 // RNA terminal phosphate cyclase-like 1 // 9p24.1-p23 // 1017	0.273634	0.999515	0.8654	7.95E-07	-1.23
8000346	NM_033266	ERN2	NM_033266 // ERN2 // endoplasmic reticulum to nucleus signaling 2 // 16p12.2 //	0.83725	0.076743	0.819324	8.01E-07	1.75
7934570	NM_001014797	KCNMA1	NM_001014797 // KCNMA1 // potassium large conductance calcium-activated channel,	0.150759	0.166651	0.0713478	8.03E-07	1.50
8074716	NR_003267	GGT3P	NR_003267 // GGT3P // gamma-glutamyltransferase 3 pseudogene // 22q11.21 // 2679	0.77143	0.006415	0.716849	8.03E-07	-1.30
8039842	NM_012312	KIR2DS2	NM_012312 // KIR2DS2 // killer cell immunoglobulin-like receptor, two domains, s	0.700357	0.232097	0.0500676	8.07E-07	-1.36
8025004	NM_004058	CAPS	NM_004058 // CAPS // calcyphosine // 19p13.3 // 828 /// NM_080590 // CAPS // cal	0.411705	0.395094	0.950826	8.12E-07	2.24
7957510	NM_001178097	C12orf74	NM_001178097 // C12orf74 // chromosome 12 open reading frame 74 // 12q22 // 3388	0.915486	0.383414	0.666683	8.17E-07	1.56
7966668	NM_181486	TBX5	NM_181486 // TBX5 // T-box 5 // 12q24.1 // 6910 /// NM_000192 // TBX5 // T-box 5	0.01956	0.509048	0.662001	8.23E-07	-1.54
7997556	NM_178452	LRRC50	NM_178452 // LRRC50 // leucine rich repeat containing 50 // 16q24.1 // 123872 //	0.152869	0.306197	0.689976	8.41E-07	3.14
8068761	NM_207627	ABCG1	NM_207627 // ABCG1 // ATP-binding cassette, sub-family G (WHITE), member 1 // 21	0.313549	0.526654	0.408406	8.51E-07	-1.41

8115957	NM_002115	HK3	NM_002115 // HK3 // hexokinase 3 (white cell) // 5q35.2 // 3101 /// ENST00000292	0.114486	0.9895	0.807777	8.57E-07	-1.57
8042637	NM_001130978	DYSF	NM_001130978 // DYSF // dysferlin, limb girdle muscular dystrophy 2B (autosomal	0.011383	0.239247	0.95868	8.60E-07	-1.41
7933855	NM_145307	RTKN2	NM_145307 // RTKN2 // rhotekin 2 // 10q21.2 // 219790 /// ENST00000373789 // RTK	0.025005	0.179887	0.432425	8.63E-07	-3.49
8125149	NM_025257	SLC44A4	NM_025257 // SLC44A4 // solute carrier family 44, member 4 // 6p21.3 // 80736 //	0.677165	0.325604	0.948426	8.77E-07	2.03
8178653	NM_025257	SLC44A4	NM_025257 // SLC44A4 // solute carrier family 44, member 4 // 6p21.3 // 80736 //	0.677165	0.325604	0.948426	8.77E-07	2.03
8179861	NM_025257	SLC44A4	NM_025257 // SLC44A4 // solute carrier family 44, member 4 // 6p21.3 // 80736 //	0.677165	0.325604	0.948426	8.77E-07	2.03
7983132	NM_020759	STARD9	NM_020759 // STARD9 // StAR-related lipid transfer (START) domain containing 9 /	0.000231	0.21038	0.117319	8.83E-07	-1.54
8084100	NM_003940	USP13	NM_003940 // USP13 // ubiquitin specific peptidase 13 (isopeptidase T-3) // 3q26	0.75729	0.574149	0.785121	8.88E-07	-1.42
8066461	NM_006809	TOMM34	NM_006809 // TOMM34 // translocase of outer mitochondrial membrane 34 // --- //	0.324248	0.711317	0.659045	9.00E-07	1.29
8017766	NM_000042	APOH	NM_000042 // APOH // apolipoprotein H (beta-2-glycoprotein I) // 17q23-qter // 3	0.563816	0.366067	0.0607477	9.02E-07	-1.50
8098671	NM_000128	F11	NM_000128 // F11 // coagulation factor XI // 4q35 // 2160 /// ENST00000403665 //	0.756181	0.592953	0.291428	9.04E-07	-1.83

8159521	NM_000954	PTGDS	NM_000954 // PTGDS // prostaglandin D2 synthase 21kDa (brain) // 9q34.2-q34.3 //	0.027371	0.039777	0.497153	9.11E-07	1.37
8142345	NM_014705	DOCK4	NM_014705 // DOCK4 // dedicator of cytokinesis 4 // 7q31.1 // 9732 /// ENST00000	0.063322	0.152947	0.690263	9.21E-07	-1.34
8108558	NM_080670	SLC35A4	NM_080670 // SLC35A4 // solute carrier family 35, member A4 // 5q31.3 // 113829	0.030129	0.768084	0.681885	9.36E-07	-1.24
7965565	NM_032147	USP44	NM_032147 // USP44 // ubiquitin specific peptidase 44 // 12q22 // 84101 /// NM_0	0.861205	0.420771	0.0476423	9.36E-07	-1.34
8140840	NM_024636	STEAP4	NM_024636 // STEAP4 // STEAP family member 4 // 7q21.12 // 79689 /// ENST0000038	0.001045	0.670905	0.057442	9.44E-07	1.56
8101780	NM_014485	HPGDS	NM_014485 // HPGDS // hematopoietic prostaglandin D synthase // 4q22.3 // 27306	0.006479	0.82947	0.184227	9.49E-07	1.72
7911155	NM_016002	SCCPDH	NM_016002 // SCCPDH // saccharopine dehydrogenase (putative) // 1q44 // 51097 //	0.927945	0.293937	0.303384	9.56E-07	1.33
8118324	NM_000063	C2	NM_000063 // C2 // complement component 2 // 6p21.3 // 717 /// NM_001145903 // C	0.250777	0.142957	0.382083	9.60E-07	-1.62
8136315	NM_144648	LRGUK	NM_144648 // LRGUK // leucine-rich repeats and guanylate kinase domain containin	0.596865	0.176723	0.772438	9.65E-07	1.85
8013331	NM_015681	B9D1	NM_015681 // B9D1 // B9 protein domain 1 // 17p11.2 // 27077 /// ENST00000261499	0.972363	0.092446	0.426169	9.66E-07	1.29
7993798	---		---	0.653324	0.016851	0.215824	9.68E-07	1.26
8147313	NM_153704	TMEM67	NM_153704 // TMEM67 // transmembrane protein 67 // 8q22.1 // 91147 /// NR_024522	0.051413	0.085122	0.991901	9.80E-07	1.98

7974125	NM_015091	FAM179B	NM_015091 // FAM179B // family with sequence similarity 179, member B // 14q21.2	0.030273	0.02623	0.905716	9.82E-07	1.42
7909545	NM_145759	TRAF5	NM_145759 // TRAF5 // TNF receptor-associated factor 5 // 1q32 // 7188 /// NM_00	0.071256	0.282304	0.644248	9.84E-07	1.37
8030094	NM_000511	FUT2	NM_000511 // FUT2 // fucosyltransferase 2 (secretor status included) // 19q13.3	0.370484	0.051945	0.373082	9.84E-07	1.47
8058462	NM_001039845	MDH1B	NM_001039845 // MDH1B // malate dehydrogenase 1B, NAD (soluble) // 2q33.3 // 130	0.341641	0.087544	0.958732	9.97E-07	2.56
8114733	NM_022481	ARAP3	NM_022481 // ARAP3 // ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3	0.199358	0.398628	0.297331	9.98E-07	-1.35
8131719	NM_003777	DNAH11	NM_003777 // DNAH11 // dynein, axonemal, heavy chain 11 // 7p21 // 8701 /// NM_0	0.097541	0.506795	0.985831	1.00E-06	2.58
8175933	NM_002910	RENBP	NM_002910 // RENBP // renin binding protein // Xq28 // 5973 /// ENST00000393700	0.134555	0.202562	0.449399	1.01E-06	-1.31
8125072	NM_025258	C6orf27	NM_025258 // C6orf27 // chromosome 6 open reading frame 27 // 6p21.33 // 80737 /	0.779722	0.596068	0.999734	1.01E-06	1.31
7970194	NM_001112732	MCF2L	NM_001112732 // MCF2L // MCF.2 cell line derived transforming sequence-like // 1	0.595748	0.219655	0.201226	1.02E-06	-1.30
8105908	NM_002538	OCLN	NM_002538 // OCLN // occludin // 5q13.1 // 4950 /// ENST00000396442 // OCLN // o	0.486304	0.063416	0.124516	1.03E-06	-1.54
7916616	NM_000775	CYP2J2	NM_000775 // CYP2J2 // cytochrome P450, family 2, subfamily J, polypeptide 2 //	0.845367	0.404057	0.838801	1.03E-06	1.74

8092596	NM_001346	DGKG	NM_001346 // DGKG // diacylglycerol kinase, gamma 90kDa // 3q27.2-q27.3 // 1608	0.133764	0.28858	0.710476	1.04E-06	-1.41
8008040	NM_033413	LRRC46	NM_033413 // LRRC46 // leucine rich repeat containing 46 // 17q21.32 // 90506 //	0.357099	0.154993	0.953344	1.04E-06	2.93
8074316	NR_003267	GGT3P	NR_003267 // GGT3P // gamma-glutamyltransferase 3 pseudogene // 22q11.21 // 2679	0.681974	0.008121	0.594658	1.04E-06	-1.30
8007176	NM_031421	TTC25	NM_031421 // TTC25 // tetratricopeptide repeat domain 25 // 17q21.2 // 83538 ///	0.305076	0.209504	0.980615	1.05E-06	2.42
8003357	NM_001142864	FAM38A	NM_001142864 // FAM38A // family with sequence similarity 38, member A // 16q24.	0.781125	0.383422	0.464838	1.05E-06	-1.30
8126750	NM_021572	ENPP5	NM_021572 // ENPP5 // ectonucleotide pyrophosphatase/phosphodiesterase 5 (putati	0.732669	0.710004	0.390637	1.05E-06	1.40
8017039	NM_080415	4-Sep	NM_080415 // SEPT4 // septin 4 // 17q23 // 5414 /// NR_037155 // SEPT4 // septin	0.017814	0.562816	0.331894	1.05E-06	-1.37
8043443	---		---	0.155835	0.290429	0.502033	1.05E-06	2.55
7931832	NM_001354	AKR1C2	NM_001354 // AKR1C2 // aldo-keto reductase family 1, member C2 (dihydrodiol dehy	0.12678	0.894548	0.671001	1.05E-06	-1.68
8027604	NM_014686	KIAA0355	NM_014686 // KIAA0355 // KIAA0355 // 19q13.11 // 9710 /// ENST00000299505 // KIA	0.041096	0.38726	0.0536057	1.08E-06	-1.28
8058390	NM_213589	RAPH1	NM_213589 // RAPH1 // Ras association (RalGDS/AF-6) and pleckstrin homology doma	0.577615	0.200149	0.296963	1.09E-06	-1.39
8017365	NM_152598	10-Mar	NM_152598 // MARCH10 // membrane-associated ring finger (C3HC4) 10 // 17q23.2 //	0.619577	0.272452	0.944924	1.09E-06	1.70

7937135	NM_173572	C10orf93	NM_173572 // C10orf93 // chromosome 10 open reading frame 93 // 10q26.3 // 25535	0.489353	0.277363	0.92255	1.10E-06	1.69
8158081	ENST00000419060	PTRH1	ENST00000419060 // PTRH1 // peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae) //	0.344313	0.188832	0.882496	1.10E-06	2.29
7925954	NM_001047160	NET1	NM_001047160 // NET1 // neuroepithelial cell transforming 1 // 10p15 // 10276 //	0.089634	0.705366	0.119972	1.11E-06	1.31
8053551	NM_022912	REEP1	NM_022912 // REEP1 // receptor accessory protein 1 // 2p11.2 // 65055 /// NM_001	0.539411	0.115724	0.546161	1.11E-06	1.28
8142079	NM_021930	RINT1	NM_021930 // RINT1 // RAD50 interactor 1 // 7q22.3 // 60561 /// ENST00000257700	0.564108	0.259082	0.977259	1.11E-06	2.43
7915084	NM_024640	YRDC	NM_024640 // YRDC // yrdC domain containing (E. coli) // 1p34.3 // 79693 /// ENS	0.000407	0.828129	0.92409	1.11E-06	-1.31
8104856	NM_024867	SPEF2	NM_024867 // SPEF2 // sperm flagellar 2 // 5p13.2 // 79925 /// NM_144722 // SPEF	0.116859	0.253648	0.933662	1.11E-06	1.95
7962000	NM_198965	PTHLH	NM_198965 // PTHLH // parathyroid hormone-like hormone // 12p12.1-p11.2 // 5744	0.677599	0.52175	0.438612	1.12E-06	1.24
8118228	NM_021221	LY6G5B	NM_021221 // LY6G5B // lymphocyte antigen 6 complex, locus G5B // 6p21.3 // 5849	0.041866	0.526311	0.0621498	1.12E-06	-1.47
8164200	NM_012098	ANGPTL2	NM_012098 // ANGPTL2 // angiopoietin-like 2 // 9q34 // 23452 /// ENST00000373425	0.920353	0.47749	0.203073	1.12E-06	1.40
7984319	NM_002755	MAP2K1	NM_002755 // MAP2K1 // mitogen-activated protein kinase kinase 1 // 15q22.1-q22.	0.381951	0.470639	0.285268	1.12E-06	-1.28

8123181	NM_000876	IGF2R	NM_000876 // IGF2R // insulin-like growth factor 2 receptor // 6q26 // 3482 ///	0.567906	0.950565	0.0881581	1.12E-06	-1.25
8128371	NM_032511	C6orf168	NM_032511 // C6orf168 // chromosome 6 open reading frame 168 // 6q16.2 // 84553	0.505117	0.581352	0.0484276	1.13E-06	1.34
7905147	NM_024579	C1orf54	NM_024579 // C1orf54 // chromosome 1 open reading frame 54 // 1q21.2 // 79630 //	0.549106	0.875374	0.992353	1.15E-06	1.31
8007100	NM_001552	IGFBP4	NM_001552 // IGFBP4 // insulin-like growth factor binding protein 4 // 17q12-q21	0.36613	0.950463	0.244043	1.17E-06	1.35
7937020	NM_002417	MKI67	NM_002417 // MKI67 // antigen identified by monoclonal antibody Ki-67 // 10q26.2	0.009345	0.679136	0.85039	1.17E-06	1.59
8040672	NM_145038	C2orf39	NM_145038 // C2orf39 // chromosome 2 open reading frame 39 // 2p23.3 // 92749 //	0.487298	0.396106	0.972738	1.18E-06	2.46
8056995	NM_152517	TTC30B	NM_152517 // TTC30B // tetratricopeptide repeat domain 30B // 2q31.2 // 150737 /	0.749484	0.065501	0.536041	1.18E-06	1.67
7949412	NM_001130144	LTBP3	NM_001130144 // LTBP3 // latent transforming growth factor beta binding protein	0.10855	0.018979	0.658529	1.19E-06	1.26
8093906	NM_006005	WFS1	NM_006005 // WFS1 // Wolfram syndrome 1 (wolframin) // 4p16 // 7466 /// NM_00114	0.539916	0.00374	0.236846	1.20E-06	-1.27
7943387	NM_032930	C11orf70	NM_032930 // C11orf70 // chromosome 11 open reading frame 70 // 11q22.1 // 85016	0.678661	0.098887	0.87784	1.20E-06	2.15
8075924	NM_002405	MFNG	NM_002405 // MFNG // MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferas	0.771569	0.502979	0.971438	1.20E-06	-1.40

8146703	NM_152765	C8orf46	NM_152765 // C8orf46 // chromosome 8 open reading frame 46 // 8q13.1 // 254778 /	0.002295	0.899861	0.488429	1.21E-06	-1.33
8086961	NM_004567	PFKFB4	NM_004567 // PFKFB4 // 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 //	0.683131	0.710948	0.311328	1.24E-06	-1.24
8178059	NM_021221	LY6G5B	NM_021221 // LY6G5B // lymphocyte antigen 6 complex, locus G5B // 6p21.3 // 5849	0.01094	0.467372	0.0536498	1.26E-06	-1.59
8104022	NM_014476	PDLIM3	NM_014476 // PDLIM3 // PDZ and LIM domain 3 // 4q35 // 27295 /// NM_001114107 //	0.468653	0.613995	0.0892947	1.26E-06	1.60
8122561	NM_024694	C6orf103	NM_024694 // C6orf103 // chromosome 6 open reading frame 103 // 6q24.3 // 79747	0.180416	0.270062	0.981081	1.27E-06	2.39
8096004	NM_198892	BMP2K	NM_198892 // BMP2K // BMP2 inducible kinase // 4q21.21 // 55589 /// NM_017593 //	0.496869	0.265586	0.475798	1.27E-06	1.30
8132031	NM_175887	PRR15	NM_175887 // PRR15 // proline rich 15 // 7p14.3 // 222171 /// ENST00000319694 //	0.462708	0.133894	0.570234	1.28E-06	1.56
8003204	NM_016095	GINS2	NM_016095 // GINS2 // GINS complex subunit 2 (Psf2 homolog) // 16q24.1 // 51659	0.000169	0.903335	0.0455466	1.28E-06	1.27
8031293	NM_015868	KIR2DL3	NM_015868 // KIR2DL3 // killer cell immunoglobulin-like receptor, two domains, l	0.823317	0.024852	0.238543	1.28E-06	-1.71
7944876	NM_006176	NRGN	NM_006176 // NRGN // neurogranin (protein kinase C substrate, RC3) // 11q24 // 4	0.873951	0.494455	0.642123	1.29E-06	-1.28
7902702	NM_006536	CLCA2	NM_006536 // CLCA2 // chloride channel accessory 2 // 1p22.3 // 9635 /// ENST000	0.386635	0.162338	0.30926	1.29E-06	2.39

7963142	NM_012306	FAIM2	NM_012306 // FAIM2 // Fas apoptotic inhibitory molecule 2 // 12q13 // 23017 ///	0.790922	0.996859	0.53172	1.30E-06	1.51
7943715	NM_033390	ZC3H12C	NM_033390 // ZC3H12C // zinc finger CCCH-type containing 12C // 11q22.3 // 85463	0.344048	0.315401	0.199919	1.30E-06	-1.29
7947553	NM_020929	LRRC4C	NM_020929 // LRRC4C // leucine rich repeat containing 4C // 11p12 // 57689 /// E	0.82498	0.887609	0.181176	1.31E-06	1.29
7971950	NM_080759	DACH1	NM_080759 // DACH1 // dachshund homolog 1 (Drosophila) // 13q22 // 1602 /// NM_0	0.424328	0.079042	0.466043	1.31E-06	-1.50
8081657	NM_001004196	CD200	NM_001004196 // CD200 // CD200 molecule // 3q12-q13 // 4345 /// NM_005944 // CD2	0.311509	0.499549	0.439274	1.32E-06	1.40
8133670	NM_000941	POR	NM_000941 // POR // P450 (cytochrome) oxidoreductase // 7q11.2 // 5447 /// AF258	0.206041	0.90667	0.982766	1.33E-06	-1.28
7988581	NM_001193489	SECISBP2L	NM_001193489 // SECISBP2L // SECIS binding protein 2-like // 15q21.1 // 9728 ///	0.367695	0.508805	0.300355	1.34E-06	-1.36
7932453	NM_006393	NEBL	NM_006393 // NEBL // nebulette // 10p12 // 10529 /// NM_213569 // NEBL // nebule	0.154044	0.65846	0.809773	1.35E-06	-1.44
7930627	NM_000684	ADRB1	NM_000684 // ADRB1 // adrenergic, beta-1-, receptor // 10q24-q26 // 153 /// ENST	0.887441	0.00681	0.392232	1.37E-06	-1.35
8122986	NM_016224	SNX9	NM_016224 // SNX9 // sorting nexin 9 // 6q25.1-q26 // 51429 /// ENST00000392185	0.489933	0.737124	0.390084	1.37E-06	1.24
7986637	---		---	0.131603	0.456068	0.301948	1.37E-06	2.89
8131867	---		---	0.931623	0.987138	0.995995	1.38E-06	1.41

7897179	NM_001126240	TP73	NM_001126240 // TP73 // tumor protein p73 // 1p36.3 // 7161 /// NM_005427 // TP7	0.757714	0.388251	0.89495	1.38E-06	1.38
8108873	NM_015071	ARHGAP26	NM_015071 // ARHGAP26 // Rho GTPase activating protein 26 // 5q31 // 23092 /// N	0.428509	0.293415	0.0445685	1.39E-06	-1.34
8175755	NM_004344	CETN2	NM_004344 // CETN2 // centrin, EF-hand protein, 2 // Xq28 // 1069 /// ENST000003	0.77804	0.253515	0.94875	1.39E-06	1.59
8066407	NM_001080472	FITM2	NM_001080472 // FITM2 // fat storage-inducing transmembrane protein 2 // 20q13.1	0.912678	0.394026	0.495215	1.40E-06	-1.28
7967193	NM_173855	MORN3	NM_173855 // MORN3 // MORN repeat containing 3 // 12q24.31 // 283385 /// ENST000	0.901974	0.190023	0.699847	1.40E-06	1.40
7937404	NM_173573	C11orf35	NM_173573 // C11orf35 // chromosome 11 open reading frame 35 // 11p15.5 // 25632	0.005905	0.66457	0.953247	1.41E-06	-1.34
8043484	---		---	0.21364	0.610646	0.259036	1.41E-06	1.56
8067932	NR_027790	C21orf34	NR_027790 // C21orf34 // chromosome 21 open reading frame 34 // 21q21.1 // 38881	0.000383	0.176994	0.51037	1.42E-06	1.40
7936494	NM_005264	GFRA1	NM_005264 // GFRA1 // GDNF family receptor alpha 1 // 10q26.11 // 2674 /// NM_00	0.489234	0.091152	0.0809001	1.43E-06	1.64
8078619	NM_002207	ITGA9	NM_002207 // ITGA9 // integrin, alpha 9 // 3p21.3 // 3680 /// ENST00000264741 //	0.000872	0.226011	0.581309	1.43E-06	1.31
8120215	NM_133367	PAQR8	NM_133367 // PAQR8 // progestin and adipoQ receptor family member VIII // 6p12.1	0.302209	0.264081	0.147488	1.43E-06	1.25
7989968	NM_033429	CALML4	NM_033429 // CALML4 // calmodulin-like 4 // 15q23 // 91860 /// NM_001031733 // C	0.087545	0.091574	0.848121	1.44E-06	1.34

8026954	NM_005027	PIK3R2	NM_005027 // PIK3R2 // phosphoinositide-3-kinase, regulatory subunit 2 (beta) //	0.079913	0.158205	0.0920871	1.44E-06	1.25
7919193	NR_002212	NUDT4P1	NR_002212 // NUDT4P1 // nudix (nucleoside diphosphate linked moiety X)-type moti	0.845608	0.979178	0.320398	1.45E-06	1.26
8079677	NM_177938	P4HTM	NM_177938 // P4HTM // prolyl 4-hydroxylase, transmembrane (endoplasmic reticulum	0.377299	0.239637	0.343077	1.46E-06	1.29
7958015	---		---	0.049142	0.901381	0.234134	1.47E-06	-1.34
8133300	NR_003614	PMS2L2	NR_003614 // PMS2L2 // postmeiotic segregation increased 2-like 2 pseudogene //	0.048899	0.007563	0.01954	1.49E-06	1.31
7995681	NM_004530	MMP2	NM_004530 // MMP2 // matrix metallopeptidase 2 (gelatinase A, 72kDa gelatinase,	0.725383	0.821084	0.873498	1.49E-06	1.48
8059878	NM_024726	IQCA1	NM_024726 // IQCA1 // IQ motif containing with AAA domain 1 // 2q37.3 // 79781 /	0.430415	0.136291	0.832132	1.49E-06	1.74
7971757	NM_199289	NEK5	NM_199289 // NEK5 // NIMA (never in mitosis gene a)-related kinase 5 // 13q14.3	0.18411	0.11543	0.980128	1.51E-06	2.25
8097586	NM_207123	GAB1	NM_207123 // GAB1 // GRB2-associated binding protein 1 // 4q31.21 // 2549 /// NM	0.000714	0.050975	0.118002	1.53E-06	-1.33
8043747	NM_144992	VWA3B	NM_144992 // VWA3B // von Willebrand factor A domain containing 3B // 2q11.2 //	0.367528	0.221726	0.951902	1.53E-06	2.46
8115783	NM_005990	STK10	NM_005990 // STK10 // serine/threonine kinase 10 // 5q35.1 // 6793 /// ENST00000	0.640538	0.586108	0.953786	1.54E-06	-1.31
8111627	---		---	0.017543	0.267158	0.0898115	1.54E-06	1.36

7983512	NM_021199	SQRDL	NM_021199 // SQRDL // sulfide quinone reductase-like (yeast) // 15q15 // 58472 /	0.025656	0.587098	0.409295	1.56E-06	-1.36
8096061	BC034296	C4orf22	BC034296 // C4orf22 // chromosome 4 open reading frame 22 // 4q21.21 // 255119 /	0.564396	0.368462	0.927036	1.57E-06	1.87
8008609	NM_153228	ANKFN1	NM_153228 // ANKFN1 // ankyrin-repeat and fibronectin type III domain containing	0.516203	0.14607	0.978683	1.57E-06	1.82
8122816	---		---	0.486901	0.018382	0.851849	1.58E-06	-1.60
7971813	NM_018676	THSD1	NM_018676 // THSD1 // thrombospondin, type I, domain containing 1 // 13q14.3 //	0.009344	0.606082	0.117756	1.58E-06	-1.35
8103341	NM_001039580	MAP9	NM_001039580 // MAP9 // microtubule-associated protein 9 // 4q32.1 // 79884 ///	0.793921	0.33448	0.927931	1.58E-06	1.31
7952813	NM_014987	IGSF9B	NM_014987 // IGSF9B // immunoglobulin superfamily, member 9B // 11q25 // 22997 /	0.338061	0.829159	0.599502	1.58E-06	1.30
8000034	NM_017539	DNAH3	NM_017539 // DNAH3 // dynein, axonemal, heavy chain 3 // 16p12.3 // 55567 /// EN	0.413082	0.141255	0.944812	1.58E-06	2.66
7919971	NM_000449	RFX5	NM_000449 // RFX5 // regulatory factor X, 5 (influences HLA class II expression)	0.343445	0.23362	0.367744	1.58E-06	1.25
8143957	NM_005614	RHEB	NM_005614 // RHEB // Ras homolog enriched in brain // 7q36 // 6009 /// ENST00000	0.465534	0.827923	0.367325	1.59E-06	-1.27
8036055	NM_139284	LGI4	NM_139284 // LGI4 // leucine-rich repeat LGI family, member 4 // 19q13.12|19q13.	0.1402	0.485526	0.310377	1.59E-06	-1.40
8118249	NM_138277	C6orf25	NM_138277 // C6orf25 // chromosome 6 open reading frame 25 // 6p21.33 // 80739 /	0.744832	0.203348	0.981602	1.59E-06	-1.27

8020090	NM_020648	TWSG1	NM_020648 // TWSG1 // twisted gastrulation homolog 1 (Drosophila) // 18p11.3 //	0.289205	0.707434	0.113125	1.59E-06	1.22
7948420	NM_001444	FABP5	NM_001444 // FABP5 // fatty acid binding protein 5 (psoriasis-associated) // 8q2	0.161921	0.145488	0.260013	1.60E-06	-1.36
8115851	NM_003714	STC2	NM_003714 // STC2 // stanniocalcin 2 // 5q35.1 // 8614 /// ENST00000265087 // ST	0.034833	0.152737	0.969086	1.61E-06	-1.40
8073766	NM_015653	RIBC2	NM_015653 // RIBC2 // RIB43A domain with coiled-coils 2 // 22q13.31 // 26150 ///	0.535665	0.068741	0.729852	1.62E-06	1.63
7912937	NM_007365	PADI2	NM_007365 // PADI2 // peptidyl arginine deiminase, type II // 1p36.13 // 11240 /	0.020885	0.467065	0.726847	1.62E-06	-1.28
8004545	NM_001678	ATP1B2	NM_001678 // ATP1B2 // ATPase, Na+/K+ transporting, beta 2 polypeptide // 17p13.	0.480634	0.193532	0.554403	1.63E-06	1.34
7972932	AK092862	FLJ41484	AK092862 // FLJ41484 // hypothetical LOC650669 // 13q34 // 650669	0.557349	0.159038	0.32004	1.63E-06	1.31
8055173	NM_138770	CCDC74A	NM_138770 // CCDC74A // coiled-coil domain containing 74A // 2q21.1 // 90557 ///	0.661454	0.538131	0.982512	1.65E-06	1.65
8042335	NM_003375	VDAC2	NM_003375 // VDAC2 // voltage-dependent anion channel 2 // 10q22 // 7417 /// ENS	0.467147	0.971256	0.254787	1.65E-06	-1.23
7942941	NM_001156474	CCDC81	NM_001156474 // CCDC81 // coiled-coil domain containing 81 // 11q14.2 // 60494 /	0.285826	0.073655	0.904451	1.66E-06	1.94
7993898	NM_173615	VWA3A	NM_173615 // VWA3A // von Willebrand factor A domain containing 3A // 16p12.2 //	0.146243	0.197012	0.799253	1.66E-06	2.02

8145570	NM_001017420	ESCO2	NM_001017420 // ESCO2 // establishment of cohesion 1 homolog 2 (S. cerevisiae) /	0.009188	0.154437	0.658764	1.67E-06	1.29
8159876	NM_134428	RFX3	NM_134428 // RFX3 // regulatory factor X, 3 (influences HLA class II expression)	0.099897	0.234579	0.835807	1.67E-06	1.58
8001507	NM_031885	BBS2	NM_031885 // BBS2 // Bardet-Biedl syndrome 2 // 16q21 // 583 /// ENST00000245157	7.40E-05	0.965905	0.636537	1.67E-06	1.23
7975851	NM_001102564	C14orf179	NM_001102564 // C14orf179 // chromosome 14 open reading frame 179 // 14q24.3 //	0.534824	0.532729	0.82146	1.70E-06	1.32
7934936	NM_213606	SLC16A12	NM_213606 // SLC16A12 // solute carrier family 16, member 12 (monocarboxylic aci	0.024029	0.368411	0.215485	1.70E-06	-1.51
8135594	NM_001753	CAV1	NM_001753 // CAV1 // caveolin 1, caveolae protein, 22kDa // 7q31.1 // 857 /// NM	0.056999	0.058461	0.0162442	1.71E-06	-1.51
7971126	NM_145286	STOML3	NM_145286 // STOML3 // stomatin (EPB72)-like 3 // 13q13.3 // 161003 /// NM_00114	0.477153	0.204018	0.986616	1.72E-06	2.91
7995772	NM_032935	MT4	NM_032935 // MT4 // metallothionein 4 // 16q13 // 84560 /// ENST00000219162 // M	0.374174	0.813224	0.68318	1.72E-06	-1.27
8064539	NM_019609	CPXM1	NM_019609 // CPXM1 // carboxypeptidase X (M14 family), member 1 // 20p13-p12.3 /	0.15598	0.940769	0.921485	1.73E-06	1.64
8014487	NM_198839	ACACA	NM_198839 // ACACA // acetyl-CoA carboxylase alpha // 17q21 // 31 /// NM_198834	0.859822	0.685412	0.465116	1.74E-06	-1.35
8138381	NM_006408	AGR2	NM_006408 // AGR2 // anterior gradient homolog 2 (Xenopus laevis) // 7p21.3 // 1	0.018516	0.02716	0.280895	1.74E-06	2.18

7907232	NM_025063	C1orf129	NM_025063 // C1orf129 // chromosome 1 open reading frame 129 // 1q24.3 // 80133	0.38964	0.166385	0.99608	1.75E-06	2.21
8116439	NM_052863	SCGB3A1	NM_052863 // SCGB3A1 // secretoglobin, family 3A, member 1 // 5q35-qter // 92304	0.532711	0.86361	0.791548	1.75E-06	2.50
7966321	NM_001164373	GPN3	NM_001164373 // GPN3 // GPN-loop GTPase 3 // 12q24.11 // 51184 /// NM_016301 //	0.842376	0.745063	0.974643	1.77E-06	-1.34
7921677	NM_016382	CD244	NM_016382 // CD244 // CD244 molecule, natural killer cell receptor 2B4 // 1q23.3	0.218307	0.295028	0.528382	1.77E-06	-1.40
7924096	NM_002497	NEK2	NM_002497 // NEK2 // NIMA (never in mitosis gene a)-related kinase 2 // 1q32.2-q	0.030925	0.344362	0.597276	1.78E-06	1.34
8127346	NM_016277	RAB23	NM_016277 // RAB23 // RAB23, member RAS oncogene family // 6p11 // 51715 /// NM_	0.263215	0.621535	0.0950561	1.79E-06	1.35
8015016	NM_032865	TNS4	NM_032865 // TNS4 // tensin 4 // 17q21.2 // 84951 /// ENST00000254051 // TNS4 //	0.288296	0.282964	0.784752	1.79E-06	1.66
8015706	NR_024461	LOC1001909	NR_024461 // LOC100190938 // hypothetical LOC100190938 // 17q21.31 // 100190938	0.039493	0.408552	0.0012482	1.80E-06	-1.29
7984771	NM_005576	LOXL1	NM_005576 // LOXL1 // lysyl oxidase-like 1 // 15q24-q25|15q22 // 4016 /// ENST00	0.846885	0.533709	0.808037	1.80E-06	1.38
7960764	NM_031491	RBP5	NM_031491 // RBP5 // retinol binding protein 5, cellular // 12p13.31 // 83758 //	0.986862	0.317385	0.181367	1.80E-06	1.40
8059376	NM_006216	SERPINE2	NM_006216 // SERPINE2 // serpin peptidase inhibitor, clade E (nexin, plasminogen	0.211652	0.145448	0.320146	1.81E-06	1.81

7934334	NM_145170	TTC18	NM_145170 // TTC18 // tetratricopeptide repeat domain 18 // 10q22.2 // 118491 //	0.121325	0.176601	0.940305	1.82E-06	2.16
8076612	NM_022785	EFCAB6	NM_022785 // EFCAB6 // EF-hand calcium binding domain 6 // 22q13.2 // 64800 ///	0.414017	0.275994	0.987638	1.84E-06	1.74
8061272	NM_015585	C20orf26	NM_015585 // C20orf26 // chromosome 20 open reading frame 26 // 20p11.23 // 2607	0.465435	0.172917	0.999747	1.85E-06	2.31
8169492	NM_000686	AGTR2	NM_000686 // AGTR2 // angiotensin II receptor, type 2 // Xq22-q23 // 186 /// ENS	0.299533	0.335425	0.13455	1.86E-06	-2.10
8024170	NM_012292	HMHA1	NM_012292 // HMHA1 // histocompatibility (minor) HA-1 // 19p13.3 // 23526 /// EN	0.576316	0.318742	0.889504	1.87E-06	-1.25
8068022	NR_030784	MIR155	NR_030784 // MIR155 // microRNA 155 // 21q21.3 // 406947 /// NR_001458 // MIR155	0.205312	0.25569	0.797795	1.87E-06	1.55
8087790	NM_004704	RRP9	NM_004704 // RRP9 // ribosomal RNA processing 9, small subunit (SSU) processome	0.000136	0.362894	0.0853258	1.88E-06	-1.26
7905088	NM_003517	HIST2H2AC	NM_003517 // HIST2H2AC // histone cluster 2, H2ac // 1q21.2 // 8338 /// ENST0000	0.563109	0.268173	0.395403	1.88E-06	-1.40
8099850	NM_024943	TMEM156	NM_024943 // TMEM156 // transmembrane protein 156 // 4p14 // 80008 /// ENST00000	0.522845	0.498456	0.71805	1.89E-06	1.68
7920873	NR_002974	SNORA42	NR_002974 // SNORA42 // small nucleolar RNA, H/ACA box 42 // 1q22 // 677823	0.334276	0.455369	0.2918	1.90E-06	1.87
8013788	NM_004475	FLOT2	NM_004475 // FLOT2 // flotillin 2 // 17q11-q12 // 2319 /// ENST00000394908 // FL	0.003546	0.644124	0.744892	1.92E-06	-1.23

8108217	NM_000358	TGFBI	NM_000358 // TGFBI // transforming growth factor, beta-induced, 68kDa // 5q31 //	0.018989	0.151764	0.244892	1.93E-06	1.41
8033097	NM_000635	RFX2	NM_000635 // RFX2 // regulatory factor X, 2 (influences HLA class II expression)	0.807907	0.519911	0.678238	1.93E-06	1.58
7990309	NM_022369	STRA6	NM_022369 // STRA6 // stimulated by retinoic acid gene 6 homolog (mouse) // 15q2	0.076961	0.198168	0.512601	1.94E-06	1.25
8102938	NM_020724	RNF150	NM_020724 // RNF150 // ring finger protein 150 // 4q31.21 // 57484 /// ENST00000	0.011708	0.412071	0.110554	1.95E-06	1.34
8174509	NM_005274	GNG5	NM_005274 // GNG5 // guanine nucleotide binding protein (G protein), gamma 5 //	0.073608	0.28057	0.016688	1.96E-06	-1.24
8072015	NM_005160	ADRBK2	NM_005160 // ADRBK2 // adrenergic, beta, receptor kinase 2 // 22q11|22q12.1 // 1	0.086276	0.409484	0.0549336	1.97E-06	1.35
7959108	NM_178499	CCDC60	NM_178499 // CCDC60 // coiled-coil domain containing 60 // 12q24.23 // 160777 //	0.746272	0.165933	0.989915	1.98E-06	2.08
8035465	NM_016368	ISYNA1	NM_016368 // ISYNA1 // inositol-3-phosphate synthase 1 // 19p13.11 // 51477 ///	0.16177	0.1337	0.889562	2.02E-06	1.27
7963410	NM_173086	KRT6C	NM_173086 // KRT6C // keratin 6C // 12q13.13 // 286887 /// NM_005555 // KRT6B //	0.135825	0.019117	0.482649	2.03E-06	2.13
8051275	NM_144575	CAPN13	NM_144575 // CAPN13 // calpain 13 // 2p22-p21 // 92291 /// ENST00000295055 // CA	0.878048	0.209596	0.520485	2.04E-06	2.36
7960865	NM_006931	SLC2A3	NM_006931 // SLC2A3 // solute carrier family 2 (facilitated glucose transporter)	0.341684	0.489869	0.160867	2.04E-06	-1.56

8045309	NM_138770	CCDC74A	NM_138770 // CCDC74A // coiled-coil domain containing 74A // 2q21.1 // 90557 ///	0.754406	0.474708	0.943012	2.06E-06	1.69
8121392	NM_001083535	CEP57L1	NM_001083535 // CEP57L1 // centrosomal protein 57kDa-like 1 // 6q21 // 285753 //	0.016433	0.051824	0.679834	2.07E-06	1.30
7970864	NM_006644	HSPH1	NM_006644 // HSPH1 // heat shock 105kDa/110kDa protein 1 // 13q12.3 // 10808 ///	0.231075	0.152288	0.295099	2.08E-06	1.55
8039109	NM_198481	VSTM1	NM_198481 // VSTM1 // V-set and transmembrane domain containing 1 // 19q13.42 //	0.183907	0.254296	0.0233185	2.09E-06	-1.28
8163255	---		---	0.00786	0.16789	0.17157	2.10E-06	-1.36
8011990	NM_053285	TEKT1	NM_053285 // TEKT1 // tektin 1 // 17p13.1 // 83659 /// ENST00000338694 // TEKT1	0.311454	0.334505	0.998737	2.11E-06	2.63
8106727	AK123303	FLJ41309	AK123303 // FLJ41309 // hypothetical LOC645079 // 5q14.2 // 645079 /// AK094973	0.010369	0.613705	0.511512	2.12E-06	-1.62
8174351	NM_017681	NUP62CL	NM_017681 // NUP62CL // nucleoporin 62kDa C-terminal like // Xq22.3 // 54830 ///	0.595479	0.310492	0.982747	2.16E-06	1.37
7908543	NM_133494	NEK7	NM_133494 // NEK7 // NIMA (never in mitosis gene a)-related kinase 7 // 1q31.3 /	0.006192	0.371386	0.0265792	2.18E-06	-1.24
8121319	NM_018013	SOBP	NM_018013 // SOBP // sine oculis binding protein homolog (Drosophila) // 6q21 //	0.596366	0.603253	0.532134	2.18E-06	1.25
8171921	NM_000109	DMD	NM_000109 // DMD // dystrophin // Xp21.2 // 1756 /// NM_004010 // DMD // dystrop	0.000178	0.546391	0.477194	2.19E-06	1.51
8158930	NM_018956	C9orf9	NM_018956 // C9orf9 // chromosome 9 open reading frame 9 // 9q34 // 11092 /// NM	0.563314	0.292347	0.962308	2.20E-06	1.50

8029280	NM_020406	CD177	NM_020406 // CD177 // CD177 molecule // 19q13.2 // 57126 /// ENST00000457794 //	0.050209	0.616263	0.947061	2.21E-06	-1.47
8027402	NM_001238	CCNE1	NM_001238 // CCNE1 // cyclin E1 // 19q12 // 898 /// NM_057182 // CCNE1 // cyclin	0.026853	0.476704	0.16707	2.21E-06	1.28
7917875	NM_001993	F3	NM_001993 // F3 // coagulation factor III (thromboplastin, tissue factor) // 1p2	0.006436	0.950055	0.964085	2.21E-06	-1.46
7978644	NM_020529	NFKBIA	NM_020529 // NFKBIA // nuclear factor of kappa light polypeptide gene enhancer i	0.07583	0.020416	0.0818855	2.23E-06	-1.51
8054967	NM_001001665	CYP27C1	NM_001001665 // CYP27C1 // cytochrome P450, family 27, subfamily C, polypeptide	0.901935	0.774289	0.935374	2.26E-06	1.23
8132097	NM_032222	FAM188B	NM_032222 // FAM188B // family with sequence similarity 188, member B // 7p14.3	0.00184	0.010685	0.0238212	2.27E-06	-1.37
8176133	NM_000402	G6PD	NM_000402 // G6PD // glucose-6-phosphate dehydrogenase // Xq28 // 2539 /// NM_00	0.035146	0.625004	0.11177	2.28E-06	-1.26
8178095	NM_000063	C2	NM_000063 // C2 // complement component 2 // 6p21.3 // 717 /// NM_001145903 // C	0.258905	0.19054	0.410352	2.29E-06	-1.59
8179331	NM_000063	C2	NM_000063 // C2 // complement component 2 // 6p21.3 // 717 /// NM_001145903 // C	0.258905	0.19054	0.410352	2.29E-06	-1.59
8063410	NM_032521	PARD6B	NM_032521 // PARD6B // par-6 partitioning defective 6 homolog beta (C. elegans)	0.937031	0.00271	0.184882	2.30E-06	-1.29
8024111	NM_004368	CNN2	NM_004368 // CNN2 // calponin 2 // 19p13.3 // 1265 /// NM_201277 // CNN2 // calp	0.051176	0.052719	0.167947	2.30E-06	-1.24

7923850	NM_052934	SLC26A9	NM_052934 // SLC26A9 // solute carrier family 26, member 9 // 1q32.1 // 115019 /	0.232959	0.464612	0.372665	2.32E-06	-1.74
8055361	NM_025052	YSK4	NM_025052 // YSK4 // YSK4 Sps1/Ste20-related kinase homolog (S. cerevisiae) // 2	0.361319	0.168638	0.994935	2.32E-06	2.15
7914878	NM_022111	CLSPN	NM_022111 // CLSPN // claspin // 1p34.2 // 63967 /// NM_001190481 // CLSPN // cl	0.002837	0.240086	0.0395332	2.34E-06	1.49
8021984	NM_005433	YES1	NM_005433 // YES1 // v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1 // 18p11	0.557325	0.774408	0.450246	2.37E-06	-1.24
8043465	BC029444	IGKC	BC029444 // IGKC // immunoglobulin kappa constant // 2p12 // 3514 /// BC029444 /	0.098665	0.747407	0.365902	2.39E-06	1.51
8100943	NM_201431	RASSF6	NM_201431 // RASSF6 // Ras association (RalGDS/AF-6) domain family member 6 // 4	0.615744	0.023099	0.912434	2.40E-06	1.61
8114767	NM_032420	PCDH1	NM_032420 // PCDH1 // protocadherin 1 // 5q31.3 // 5097 /// NM_002587 // PCDH1 /	0.897079	0.38122	0.865339	2.43E-06	-1.26
7945204	NM_021978	ST14	NM_021978 // ST14 // suppression of tumorigenicity 14 (colon carcinoma) // 11q24	0.011432	0.921988	0.160293	2.43E-06	1.38
8075673	NM_001082578	RBFOX2	NM_001082578 // RBFOX2 // RNA binding protein, fox-1 homolog (C. elegans) 2 // 2	0.133154	0.88537	0.242172	2.44E-06	1.22
7978391	NM_002515	NOVA1	NM_002515 // NOVA1 // neuro-oncological ventral antigen 1 // 14q // 4857 /// NM_	0.131134	0.556299	0.369895	2.44E-06	1.25
8117045	NM_001143942	RBM24	NM_001143942 // RBM24 // RNA binding motif protein 24 // 6p22.3 // 221662 /// NM	0.70041	0.045899	0.581972	2.45E-06	1.41

8056890	NM_001822	CHN1	NM_001822 // CHN1 // chimerin (chimaerin) 1 // 2q31.1 // 1123 /// NM_001025201 /	0.815071	0.925792	0.445799	2.45E-06	1.32
8025958	NM_152357	ZNF440	NM_152357 // ZNF440 // zinc finger protein 440 // 19p13.2 // 126070 /// ENST0000	0.247652	0.088742	0.667204	2.46E-06	1.56
8046792	NM_080876	DUSP19	NM_080876 // DUSP19 // dual specificity phosphatase 19 // 2q32.1 // 142679 /// N	0.032052	0.085519	0.817733	2.46E-06	1.43
7927915	NM_152709	STOX1	NM_152709 // STOX1 // storkhead box 1 // 10q22.1 // 219736 /// NM_001130162 // S	0.609324	0.143373	0.956989	2.47E-06	2.11
7992917	NM_015041	CLUAP1	NM_015041 // CLUAP1 // clusterin associated protein 1 // 16p13.3 // 23059 /// NM	0.085937	0.100973	0.820847	2.50E-06	1.48
8076998	NM_012401	PLXNB2	NM_012401 // PLXNB2 // plexin B2 // 22q13.33 // 23654 /// ENST00000359337 // PLX	0.959717	0.829788	0.968207	2.55E-06	1.25
8065359	NM_012072	CD93	NM_012072 // CD93 // CD93 molecule // 20p11.21 // 22918 /// ENST00000246006 // C	0.42583	0.306985	0.475189	2.56E-06	-1.41
7945321	NM_138342	GLB1L2	NM_138342 // GLB1L2 // galactosidase, beta 1-like 2 // 11q25 // 89944 /// ENST00	0.664997	0.401989	0.987373	2.56E-06	1.59
7901426	NM_004799	ZFYVE9	NM_004799 // ZFYVE9 // zinc finger, FYVE domain containing 9 // 1p32.3 // 9372 /	0.015364	0.132085	0.140504	2.57E-06	-1.25
8138157	NM_001037763	COL28A1	NM_001037763 // COL28A1 // collagen, type XXVIII, alpha 1 // 7p21.3 // 340267 //	0.203505	0.343981	0.99757	2.57E-06	1.40
8096580	NM_000253	MTTP	NM_000253 // MTTP // microsomal triglyceride transfer protein // 4q24 // 4547 //	0.711546	0.742699	0.605913	2.58E-06	1.23

8029136	NM_001783	CD79A	NM_001783 // CD79A // CD79a molecule, immunoglobulin-associated alpha // 19q13.2	0.0982	0.539829	0.654671	2.60E-06	1.79
7900639	NR_030778	WDR65	NR_030778 // WDR65 // WD repeat domain 65 // 1p34.2 // 149465 /// NM_152498 // W	0.317409	0.24337	0.997218	2.61E-06	2.28
8167965	NM_002444	MSN	NM_002444 // MSN // moesin // Xq11.1 // 4478 /// ENST00000360270 // MSN // moesi	0.898072	0.576321	0.343273	2.62E-06	-1.31
8174692	NM_145799	6-Sep	NM_145799 // SEPT6 // septin 6 // Xq24 // 23157 /// NM_145800 // SEPT6 // septin	0.444191	0.033339	0.848411	2.62E-06	1.34
7928318	NM_138357	CCDC109A	NM_138357 // CCDC109A // coiled-coil domain containing 109A // 10q22.1 // 90550	0.203849	0.752479	0.191315	2.63E-06	1.24
7898124	NM_052929	FHAD1	NM_052929 // FHAD1 // forkhead-associated (FHA) phosphopeptide binding domain 1	0.237379	0.093263	0.787933	2.70E-06	1.80
8058182	NM_173822	FAM126B	NM_173822 // FAM126B // family with sequence similarity 126, member B // 2q33.1	0.038446	0.032362	0.544186	2.73E-06	-1.24
7925130	NM_005646	TARBP1	NM_005646 // TARBP1 // TAR (HIV-1) RNA binding protein 1 // 1q42.3 // 6894 /// E	0.095854	0.095304	0.615113	2.73E-06	1.29
7984569	NM_017691	LRRC49	NM_017691 // LRRC49 // leucine rich repeat containing 49 // 15q23 // 54839 /// E	0.204234	0.107871	0.677735	2.76E-06	1.58
8045889	NM_033394	TANC1	NM_033394 // TANC1 // tetratricopeptide repeat, ankyrin repeat and coiled-coil c	0.036086	0.030106	0.166973	2.76E-06	-1.28
8137874	NM_032415	CARD11	NM_032415 // CARD11 // caspase recruitment domain family, member 11 // 7p22 // 8	0.628953	0.857574	0.652568	2.77E-06	1.26

8008682	NM_138962	MSI2	NM_138962 // MSI2 // musashi homolog 2 (Drosophila) // 17q22 // 124540 /// NM_17	0.534727	0.328269	0.947995	2.77E-06	1.51
8121622	NM_001010892	RSPH4A	NM_001010892 // RSPH4A // radial spoke head 4 homolog A (Chlamydomonas) // 6q22.	0.345686	0.186412	0.999327	2.80E-06	2.77
8073960	NM_001001852	PIM3	NM_001001852 // PIM3 // pim-3 oncogene // 22q13 // 415116 /// ENST00000360612 //	0.037209	0.597915	0.698491	2.83E-06	-1.28
8010562	NM_006340	BAIAP2	NM_006340 // BAIAP2 // BAI1-associated protein 2 // 17q25 // 10458 /// NM_001144	0.728682	0.778152	0.959024	2.83E-06	-1.27
8003667	NM_002615	SERPINF1	NM_002615 // SERPINF1 // serpin peptidase inhibitor, clade F (alpha-2 antiplasmi	0.491553	0.549769	0.834223	2.84E-06	1.51
7959386	NM_001098519	LRRC43	NM_001098519 // LRRC43 // leucine rich repeat containing 43 // 12q24.31 // 25405	0.583411	0.300958	0.878242	2.85E-06	1.50
8154892	NM_012144	DNAI1	NM_012144 // DNAI1 // dynein, axonemal, intermediate chain 1 // 9p13.3 // 27019	0.302962	0.234127	0.967001	2.85E-06	2.35
8133754	NR_023383	PMS2P11	NR_023383 // PMS2P11 // postmeiotic segregation increased 2 pseudogene 11 // 7q1	0.680658	0.036171	0.0664497	2.92E-06	1.34
7976451	NM_058237	PPP4R4	NM_058237 // PPP4R4 // protein phosphatase 4, regulatory subunit 4 // 14q32.2 //	0.671047	0.800496	0.143508	2.94E-06	-1.55
7931455	NM_001143757	LRRC27	NM_001143757 // LRRC27 // leucine rich repeat containing 27 // 10q26.3 // 80313	0.120868	0.17031	0.321558	2.94E-06	1.26
8066347	NM_133170	PTPRT	NM_133170 // PTPRT // protein tyrosine phosphatase, receptor type, T // 20q12-q1	0.470578	0.19587	0.972074	2.96E-06	1.86

8052703	NM_138458	WDR92	NM_138458 // WDR92 // WD repeat domain 92 // 2p14 // 116143 /// ENST00000295121	0.012088	0.016172	0.690955	2.97E-06	1.30
7913237	NM_018584	CAMK2N1	NM_018584 // CAMK2N1 // calcium/calmodulin-dependent protein kinase II inhibitor	0.003093	0.007667	0.12758	2.97E-06	-1.34
7968132	NM_014089	NUPL1	NM_014089 // NUPL1 // nucleoporin like 1 // 13q12.13 // 9818 /// NM_001008564 //	0.751719	0.575909	0.04668	2.98E-06	-1.27
8146839	NM_052958	C8orf34	NM_052958 // C8orf34 // chromosome 8 open reading frame 34 // 8q13 // 116328 ///	0.429513	0.312124	0.566937	2.99E-06	1.60
8114511	NM_016459	MGC29506	NM_016459 // MGC29506 // plasma cell-induced ER protein 1 // 5q23-q31 // 51237 /	0.065165	0.90757	0.806892	2.99E-06	1.52
8137485	NM_001039350	DPP6	NM_001039350 // DPP6 // dipeptidyl-peptidase 6 // 7q36.2 // 1804 /// NM_001936 /	0.01244	0.481348	0.0001232	2.99E-06	-1.26
7963313	NM_007210	GALNT6	NM_007210 // GALNT6 // UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylga	0.782348	0.063118	0.688111	3.00E-06	1.41
7947322	NM_181807	DCDC1	NM_181807 // DCDC1 // doublecortin domain containing 1 // 11p13 // 341019 /// EN	0.113784	0.166518	0.950301	3.01E-06	1.98
7942315	NM_001145309	LRTOMT	NM_001145309 // LRTOMT // leucine rich transmembrane and 0-methyltransferase dom	0.43665	0.187149	0.997879	3.03E-06	1.50
7915229	NM_014571	HEYL	NM_014571 // HEYL // hairy/enhancer-of-split related with YRPW motif-like // 1p3	0.93186	0.222736	0.576801	3.05E-06	-1.35
8115164	---		---	0.20143	0.732142	0.0139473	3.07E-06	-1.36
8088180	NM_003392	WNT5A	NM_003392 // WNT5A // wingless-type MMTV integration site family, member 5A // 3	0.710073	0.065571	0.107307	3.08E-06	1.37

8044353	NM_001142807	ACOXL	NM_001142807 // ACOXL // acyl-CoA oxidase-like // 2q13 // 55289 /// ENST00000439	0.719222	0.114018	0.560073	3.09E-06	-1.78
7975676	NM_025057	C14orf45	NM_025057 // C14orf45 // chromosome 14 open reading frame 45 // 14q24.3 // 80127	0.310473	0.121942	0.983024	3.10E-06	1.92
8022310	NM_022068	FAM38B	NM_022068 // FAM38B // family with sequence similarity 38, member B // 18p11.22	0.575582	0.500402	0.391404	3.10E-06	1.70
7991406	NM_003981	PRC1	NM_003981 // PRC1 // protein regulator of cytokinesis 1 // 15q26.1 // 9055 /// N	0.002097	0.515517	0.640795	3.11E-06	1.35
7956046	NM_201444	DGKA	NM_201444 // DGKA // diacylglycerol kinase, alpha 80kDa // 12q13.3 // 1606 /// N	0.947262	0.126799	0.958316	3.17E-06	1.33
7920487	BC127710	C1orf189	BC127710 // C1orf189 // chromosome 1 open reading frame 189 // 1q21.3 // 388701	0.992186	0.044023	0.67825	3.21E-06	2.00
7968711	NM_020751	COG6	NM_020751 // COG6 // component of oligomeric golgi complex 6 // 13q14.11 // 5751	0.102715	0.271773	0.337925	3.23E-06	1.26
8039044	NR_028343	ZNF415	NR_028343 // ZNF415 // zinc finger protein 415 // 19q13.42 // 55786 /// NM_00116	0.258096	0.502552	0.254454	3.26E-06	1.25
8004580	NM_020877	DNAH2	NM_020877 // DNAH2 // dynein, axonemal, heavy chain 2 // 17p13.1 // 146754 /// E	0.478347	0.218464	0.945556	3.26E-06	1.90
7906355	NM_030893	CD1E	NM_030893 // CD1E // CD1e molecule // 1q22-q23 // 913 /// NM_001185114 // CD1E /	0.102331	0.173342	0.18149	3.27E-06	1.58
7919669	NM_001145862	MTMR11	NM_001145862 // MTMR11 // myotubularin related protein 11 // 1q12-q21 // 10903 /	0.054422	0.860609	0.165127	3.30E-06	1.21

7912347	NM_001079843	CASZ1	NM_001079843 // CASZ1 // castor zinc finger 1 // 1p36.22 // 54897 /// ENST000003	0.103983	0.809449	0.499617	3.31E-06	-1.45
8034712	NM_024825	PODNL1	NM_024825 // PODNL1 // podocan-like 1 // 19p13.12 // 79883 /// NM_001146254 // P	0.328386	0.692101	0.814512	3.33E-06	1.24
8055323	NM_207363	NCKAP5	NM_207363 // NCKAP5 // NCK-associated protein 5 // 2q21.2 // 344148 /// NM_20748	0.014818	0.048744	0.131279	3.34E-06	-1.97
8043436	BC073772	IGKC	BC073772 // IGKC // immunoglobulin kappa constant // 2p12 // 3514 /// BC073772 /	0.213504	0.56024	0.744567	3.35E-06	2.93
7929032	NM_000043	FAS	NM_000043 // FAS // Fas (TNF receptor superfamily, member 6) // 10q24.1 // 355 /	0.790442	0.599995	0.312858	3.36E-06	1.31
7966026	NM_014840	NUAK1	NM_014840 // NUAK1 // NUAK family, SNF1-like kinase, 1 // 12q23.3 // 9891 /// EN	0.083269	0.107139	0.209525	3.38E-06	-1.50
7980690	NM_145231	C14orf143	NM_145231 // C14orf143 // chromosome 14 open reading frame 143 // 14q32.11 // 90	0.402499	0.17849	0.304431	3.39E-06	1.31
8018107	NM_012121	CDC42EP4	NM_012121 // CDC42EP4 // CDC42 effector protein (Rho GTPase binding) 4 // 17q24-	0.042154	0.592171	0.0604436	3.40E-06	-1.24
8092295	NM_181426	CCDC39	NM_181426 // CCDC39 // coiled-coil domain containing 39 // 3q26.33 // 339829 ///	0.251103	0.41584	0.98084	3.42E-06	2.06
8081903	NM_033364	C3orf15	NM_033364 // C3orf15 // chromosome 3 open reading frame 15 // 3q12-q13.3 // 8987	0.217871	0.236676	0.932643	3.51E-06	2.03
8154295	NM_033439	IL33	NM_033439 // IL33 // interleukin 33 // 9p24.1 // 90865 /// ENST00000429607 // IL	0.11065	0.35958	0.402185	3.51E-06	1.60

7919984	NM_003944	SELENBP1	NM_003944 // SELENBP1 // selenium binding protein 1 // 1q21.3 // 8991 /// ENST00	0.176235	0.057529	0.212779	3.55E-06	-1.47
7943740	NM_207430	C11orf88	NM_207430 // C11orf88 // chromosome 11 open reading frame 88 // 11q23.1 // 39994	0.178565	0.241112	0.995188	3.59E-06	2.48
8101904	NM_000673	ADH7	NM_000673 // ADH7 // alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	0.870635	0.498325	0.858478	3.60E-06	2.10
7949490	NM_138368	DKFZp761E1	NM_138368 // DKFZp761E198 // DKFZp761E198 protein // 11q13.1 // 91056 /// BC1091	0.009314	0.309805	0.0497679	3.60E-06	-1.24
8129880	NM_022121	PERP	NM_022121 // PERP // PERP, TP53 apoptosis effector // 6q24 // 64065 /// ENST0000	0.412058	0.383928	0.761255	3.66E-06	1.40
7982889	NM_016359	NUSAP1	NM_016359 // NUSAP1 // nucleolar and spindle associated protein 1 // 15q15.1 //	0.006187	0.845232	0.557346	3.70E-06	1.39
7974335	---		---	0.337184	0.299912	0.356627	3.76E-06	1.63
8087653	NM_015896	ZMYND10	NM_015896 // ZMYND10 // zinc finger, MYND-type containing 10 // 3p21.3 // 51364	0.540152	0.421897	0.977139	3.82E-06	1.82
8074286	NM_015241	MICAL3	NM_015241 // MICAL3 // microtubule associated monoxygenase, calponin and LIM dom	0.089758	0.718787	0.278706	3.84E-06	1.30
7984540	NM_138555	KIF23	NM_138555 // KIF23 // kinesin family member 23 // 15q23 // 9493 /// NM_004856 //	0.027404	0.673675	0.875386	3.84E-06	1.41
8050719	NM_006277	ITSN2	NM_006277 // ITSN2 // intersectin 2 // 2pter-p25.1 // 50618 /// NM_019595 // ITS	0.186744	0.779564	0.464075	3.85E-06	-1.26
8152962	NM_012472	LRRC6	NM_012472 // LRRC6 // leucine rich repeat containing 6 // 8q24.22 // 23639 /// E	0.126846	0.055485	0.951966	3.88E-06	1.91

7960984	NM_002864	PZP	NM_002864 // PZP // pregnancy-zone protein // 12p13-p12.2 // 5858 /// ENST000002	0.226429	0.092697	0.967871	3.91E-06	1.72
8126653	NM_032111	MRPL14	NM_032111 // MRPL14 // mitochondrial ribosomal protein L14 // 6p21.3 // 64928 //	0.247071	0.006995	0.933037	3.91E-06	-1.29
8138489	NM_018719	CDCA7L	NM_018719 // CDCA7L // cell division cycle associated 7-like // 7p15.3 // 55536	0.642571	0.001636	0.018844	3.92E-06	-1.34
8092009	NM_001172779	LRRC34	NM_001172779 // LRRC34 // leucine rich repeat containing 34 // 3q26.2 // 151827	0.133642	0.08517	0.824378	3.94E-06	1.47
7962537	NM_018976	SLC38A2	NM_018976 // SLC38A2 // solute carrier family 38, member 2 // 12q // 54407 /// E	0.647873	0.389022	0.396644	3.94E-06	-1.34
8043602	NM_015341	NCAPH	NM_015341 // NCAPH // non-SMC condensin I complex, subunit H // 2q11.2 // 23397	0.009773	0.162138	0.298319	3.95E-06	1.31
7959696	NM_207437	DNAH10	NM_207437 // DNAH10 // dynein, axonemal, heavy chain 10 // 12q24.31 // 196385 //	0.313222	0.332542	0.989311	3.98E-06	2.15
8138442	NM_000474	TWIST1	NM_000474 // TWIST1 // twist homolog 1 (Drosophila) // 7p21.2 // 7291 /// ENST00	0.656898	0.303433	0.786433	4.04E-06	1.21
7898957	NM_013441	RCAN3	NM_013441 // RCAN3 // RCAN family member 3 // 1p35.3-p33 // 11123 /// ENST000003	0.345459	0.378185	0.399904	4.06E-06	1.38
7987536	NM_018145	FAM82A2	NM_018145 // FAM82A2 // family with sequence similarity 82, member A2 // 15q15.1	0.716058	0.636505	0.197898	4.08E-06	-1.28
8178676	NM_000434	NEU1	NM_000434 // NEU1 // sialidase 1 (lysosomal sialidase) // 6p21.3 // 4758 /// ENS	0.027172	0.452659	0.389153	4.09E-06	-1.28

7977018	NM_145725	TRAF3	NM_145725 // TRAF3 // TNF receptor-associated factor 3 // 14q32.32 // 7187 /// N	0.107431	0.050893	0.506873	4.11E-06	1.31
8047538	NM_001204	BMPR2	NM_001204 // BMPR2 // bone morphogenetic protein receptor, type II (serine/threo	0.14775	0.752301	0.253808	4.16E-06	-1.42
8053073	NM_133478	SLC4A5	NM_133478 // SLC4A5 // solute carrier family 4, sodium bicarbonate cotransporter	0.456793	0.609522	0.944255	4.16E-06	1.60
8012924	NM_145301	FAM18B2	NM_145301 // FAM18B2 // family with sequence similarity 18, member B2 // 17p12 /	0.817643	0.971067	0.417651	4.18E-06	1.38
8101881	NM_000668	ADH1B	NM_000668 // ADH1B // alcohol dehydrogenase 1B (class I), beta polypeptide // 4q	0.000582	0.063468	0.279469	4.19E-06	-1.56
8119858	NM_006502	POLH	NM_006502 // POLH // polymerase (DNA directed), eta // 6p21.1 // 5429 /// ENST00	0.020027	0.580956	0.875225	4.20E-06	1.23
8112731	NM_004101	F2RL2	NM_004101 // F2RL2 // coagulation factor II (thrombin) receptor-like 2 // 5q13 /	0.458162	0.769847	0.769246	4.21E-06	1.42
8095356	---		---	0.087783	0.439979	0.425569	4.22E-06	1.37
8157027	NM_018376	NIPSNAP3B	NM_018376 // NIPSNAP3B // nipsnap homolog 3B (C. elegans) // 9q31.1 // 55335 ///	0.0069	0.0262	0.811865	4.23E-06	1.30
8129618	NM_004666	VNN1	NM_004666 // VNN1 // vanin 1 // 6q23-q24 // 8876 /// ENST00000367928 // VNN1 //	0.874273	0.756049	0.834629	4.25E-06	-1.80
8039674	NM_001085384	ZNF154	NM_001085384 // ZNF154 // zinc finger protein 154 // 19q13.4 // 7710 /// ENST000	0.450339	0.524642	0.462781	4.25E-06	1.41
7905406	NM_020770	CGN	NM_020770 // CGN // cingulin // 1q21 // 57530 /// ENST00000271636 // CGN // cing	0.280532	0.025882	0.852154	4.26E-06	-1.37

7934271	NM_032562	PLA2G12B	NM_032562 // PLA2G12B // phospholipase A2, group XIIB // 10q22.1 // 84647 /// EN	0.391926	0.130516	0.347422	4.26E-06	-1.32
7995803	NR_036677	MT1JP	NR_036677 // MT1JP // metallothionein 1J (pseudogene) // 16q13 // 4498 /// AF348	0.108233	0.540613	0.635483	4.28E-06	-1.85
8009844	NM_001031803	LLGL2	NM_001031803 // LLGL2 // lethal giant larvae homolog 2 (Drosophila) // 17q25.1 /	0.385244	0.032196	0.658576	4.29E-06	-1.30
8164343	NM_001035254	FAM102A	NM_001035254 // FAM102A // family with sequence similarity 102, member A // 9q34	0.971109	0.730321	0.740715	4.32E-06	1.24
8100251	NM_015030	FRYL	NM_015030 // FRYL // FRY-like // 4p11 // 285527 /// ENST00000503238 // FRYL // F	0.014945	0.383697	0.624542	4.34E-06	-1.28
7993167	NM_024997	ATF7IP2	NM_024997 // ATF7IP2 // activating transcription factor 7 interacting protein 2	0.403346	0.00062	0.851721	4.38E-06	1.34
7990632	NM_024776	SGK269	NM_024776 // SGK269 // NKF3 kinase family member // 15q24.3 // 79834 /// ENST000	0.000551	0.875799	0.792269	4.40E-06	-1.35
8170590	NM_015922	NSDHL	NM_015922 // NSDHL // NAD(P) dependent steroid dehydrogenase-like // Xq28 // 508	0.048964	0.421173	0.86714	4.40E-06	-1.24
8040190	NM_198182	GRHL1	NM_198182 // GRHL1 // grainyhead-like 1 (Drosophila) // 2p25.1 // 29841 /// ENST	0.02932	0.478622	0.591602	4.41E-06	1.64
8078962	NM_005875	EIF1B	NM_005875 // EIF1B // eukaryotic translation initiation factor 1B // 3p22.1 // 1	0.267212	0.279728	0.894355	4.44E-06	-1.24
7951297	NM_002426	MMP12	NM_002426 // MMP12 // matrix metallopeptidase 12 (macrophage elastase) // 11q22.	0.213678	0.217216	0.51949	4.44E-06	1.84

7951259	NM_002425	MMP10	NM_002425 // MMP10 // matrix metallopeptidase 10 (stromelysin 2) // 11q22.3 // 4	0.151913	0.276106	0.247168	4.45E-06	1.98
7960529	NM_001038	SCNN1A	NM_001038 // SCNN1A // sodium channel, nonvoltage-gated 1 alpha // 12p13 // 6337	0.356949	0.658629	0.865668	4.47E-06	-1.44
7917322	NM_032184	SYDE2	NM_032184 // SYDE2 // synapse defective 1, Rho GTPase, homolog 2 (C. elegans) //	3.96E-05	0.247693	0.113579	4.49E-06	-1.47
8012383	NM_032354	TMEM107	NM_032354 // TMEM107 // transmembrane protein 107 // 17p13.1 // 84314 /// NM_183	0.751549	0.514216	0.945346	4.50E-06	1.31
7932598	NM_145010	ENKUR	NM_145010 // ENKUR // enkurin, TRPC channel interacting protein // 10p12.1 // 21	0.157982	0.211792	0.994582	4.50E-06	2.85
8057377	NM_173648	CCDC141	NM_173648 // CCDC141 // coiled-coil domain containing 141 // 2q31.2 // 285025 //	0.883361	0.52786	0.859003	4.62E-06	-2.06
8044640	NM_021965	PGM5	NM_021965 // PGM5 // phosphoglucomutase 5 // 9q13 // 5239 /// NR_002836 // PGM5P	0.009992	0.251119	0.267688	4.63E-06	1.29
7942489	NM_153614	DNAJB13	NM_153614 // DNAJB13 // DnaJ (Hsp40) homolog, subfamily B, member 13 // 11q13.4	0.669326	0.158555	0.91325	4.63E-06	1.52
8160792	NM_032596	C9orf24	NM_032596 // C9orf24 // chromosome 9 open reading frame 24 // 9p13.3 // 84688 //	0.738424	0.800477	0.946079	4.66E-06	1.71
8045736	NM_052905	FMNL2	NM_052905 // FMNL2 // formin-like 2 // 2q23.3 // 114793 /// ENST00000288670 // F	0.240672	0.959908	0.278107	4.69E-06	-1.31
8079153	NM_016006	ABHD5	NM_016006 // ABHD5 // abhydrolase domain containing 5 // 3p21 // 51099 /// ENST0	0.208422	0.081967	0.0072423	4.70E-06	-1.28

8061416	NM_003650	CST7	NM_003650 // CST7 // cystatin F (leukocystatin) // 20p11.21 // 8530 /// ENST0000	0.832512	0.057328	0.574651	4.70E-06	-1.33
8126674	NM_182539	TCTE1	NM_182539 // TCTE1 // t-complex-associated-testis-expressed 1 // 6p21.1 // 20250	0.719861	0.471439	0.832884	4.72E-06	1.44
7930861	NR_026939	CASC2	NR_026939 // CASC2 // cancer susceptibility candidate 2 // 10q26.11 // 255082 //	0.462861	0.2731	0.894248	4.75E-06	1.38
7904469	NM_015326	SRGAP2	NM_015326 // SRGAP2 // SLIT-ROBO Rho GTPase activating protein 2 // 1q32.1 // 23	0.822344	0.98609	0.723087	4.76E-06	-1.22
7933446	NM_001018071	FRMPD2	NM_001018071 // FRMPD2 // FERM and PDZ domain containing 2 // 10q11.22 // 143162	0.458745	0.227164	0.791983	4.82E-06	1.95
8086372	NM_017886	ULK4	NM_017886 // ULK4 // unc-51-like kinase 4 (C. elegans) // 3p22.1 // 54986 /// EN	0.105649	0.50741	0.358676	4.83E-06	1.51
8135587	NM_001233	CAV2	NM_001233 // CAV2 // caveolin 2 // 7q31.1 // 858 /// NM_198212 // CAV2 // caveol	0.070585	0.052025	0.25268	4.84E-06	-1.36
7909422	NR_029622	MIR205	NR_029622 // MIR205 // microRNA 205 // 1q32.2 // 406988 /// NM_001104548 // LOC6	0.880521	0.311447	0.355801	4.85E-06	1.55
8133477	NM_016328	GTF2IRD1	NM_016328 // GTF2IRD1 // GTF2I repeat domain containing 1 // 7q11.23 // 9569 ///	0.228009	0.172668	0.823259	4.87E-06	-1.24
7915787	NM_003629	PIK3R3	NM_003629 // PIK3R3 // phosphoinositide-3-kinase, regulatory subunit 3 (gamma) /	0.193579	0.593827	0.312177	4.89E-06	-1.43
7908161	NM_030806	C1orf21	NM_030806 // C1orf21 // chromosome 1 open reading frame 21 // 1q25 // 81563 ///	0.319514	0.021226	0.118186	4.89E-06	-1.26

8077116	NM_001014440	ODF3B	NM_001014440 // ODF3B // outer dense fiber of sperm tails 3B // 22q13.33 // 4408	0.409602	0.397207	0.114978	4.91E-06	1.44
7940147	NM_198947	FAM111B	NM_198947 // FAM111B // family with sequence similarity 111, member B // 11q12.1	0.006546	0.547754	0.558164	4.93E-06	1.53
8116835	NM_145649	GCNT2	NM_145649 // GCNT2 // glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	0.011801	0.52039	0.651434	4.94E-06	-1.35
7934979	NM_014391	ANKRD1	NM_014391 // ANKRD1 // ankyrin repeat domain 1 (cardiac muscle) // 10q23.31 // 2	0.325182	0.129781	0.095578	4.97E-06	-3.27
7968062	NM_001185085	ATP12A	NM_001185085 // ATP12A // ATPase, H+/K+ transporting, nongastric, alpha polypept	0.232523	0.216572	0.743306	4.98E-06	1.74
7993756	NM_005622	ACSM3	NM_005622 // ACSM3 // acyl-CoA synthetase medium-chain family member 3 // 16p13.	0.440996	0.654978	0.266604	4.99E-06	-1.66
7945262	NM_032801	JAM3	NM_032801 // JAM3 // junctional adhesion molecule 3 // 11q25 // 83700 /// ENST00	0.59608	0.742701	0.797514	5.02E-06	-1.36
8138370	NM_020319	ANKMY2	NM_020319 // ANKMY2 // ankyrin repeat and MYND domain containing 2 // 7p21 // 57	0.000617	0.278757	0.254493	5.02E-06	1.28
8152606	NM_021021	SNTB1	NM_021021 // SNTB1 // syntrophin, beta 1 (dystrophin-associated protein A1, 59kD	0.133302	0.697366	0.0538265	5.08E-06	-1.24
8033571	NM_198471	KANK3	NM_198471 // KANK3 // KN motif and ankyrin repeat domains 3 // 19p13.2 // 256949	0.399694	0.758583	0.426923	5.11E-06	-1.21
7903507	NM_001010883	FAM102B	NM_001010883 // FAM102B // family with sequence similarity 102, member B // 1p13	0.312013	0.542203	0.0757489	5.20E-06	1.36
8161563	---		---	0.278166	0.574029	0.154283	5.21E-06	1.52

8154670	NM_025103	IFT74	NM_025103 // IFT74 // intraflagellar transport 74 homolog (Chlamydomonas) // 9p2	0.081298	0.014295	0.689567	5.21E-06	1.46
8036436	NM_032689	ZNF607	NM_032689 // ZNF607 // zinc finger protein 607 // 19q13.1 // 84775 /// NM_001172	0.043687	0.692248	0.77284	5.25E-06	1.32
8146198	NM_002690	POLB	NM_002690 // POLB // polymerase (DNA directed), beta // 8p11.2 // 5423 /// ENST0	0.19934	0.760652	0.439783	5.27E-06	1.27
8092348	NM_014398	LAMP3	NM_014398 // LAMP3 // lysosomal-associated membrane protein 3 // 3q26.3-q27 // 2	0.188783	0.32165	0.282205	5.27E-06	-1.78
8127087	NM_000847	GSTA3	NM_000847 // GSTA3 // glutathione S-transferase alpha 3 // 6p12.1 // 2940 /// EN	0.686222	0.374214	0.812864	5.28E-06	1.73
7928444	NM_014000	VCL	NM_014000 // VCL // vinculin // 10q22.2 // 7414 /// NM_003373 // VCL // vinculin	0.438967	0.960354	0.22651	5.31E-06	-1.35
8131452	NM_173565	RSPH10B	NM_173565 // RSPH10B // radial spoke head 10 homolog B (Chlamydomonas) // 7p22.1	0.219774	0.324145	0.971719	5.31E-06	2.67
7959330	NM_144668	WDR66	NM_144668 // WDR66 // WD repeat domain 66 // 12q24.31 // 144406 /// NM_001178003	0.28868	0.269129	0.916518	5.33E-06	2.11
8038048	NM_144577	CCDC114	NM_144577 // CCDC114 // coiled-coil domain containing 114 // 19q13.33 // 93233 /	0.394068	0.511812	0.777014	5.33E-06	1.63
8026315	NM_213560	PKN1	NM_213560 // PKN1 // protein kinase N1 // 19p13.12 // 5585 /// NM_002741 // PKN1	0.353449	0.350368	0.88774	5.34E-06	-1.24
8083941	NM_018098	ECT2	NM_018098 // ECT2 // epithelial cell transforming sequence 2 oncogene // 3q26.1-	0.017636	0.666639	0.19133	5.38E-06	1.38

8035456	NM_145256	LRRC25	NM_145256 // LRRC25 // leucine rich repeat containing 25 // 19p13.11 // 126364 /	0.038967	0.882927	0.889236	5.49E-06	-1.35
8050071	NM_018269	ADI1	NM_018269 // ADI1 // acireductone dioxygenase 1 // 2p25.3 // 55256 /// ENST00000	0.781178	0.971312	0.247592	5.57E-06	-1.31
8170027	NM_182540	DDX26B	NM_182540 // DDX26B // DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B // Xq26.	0.001151	0.15601	0.998235	5.64E-06	1.24
8119132	NM_173558	FGD2	NM_173558 // FGD2 // FYVE, RhoGEF and PH domain containing 2 // 6p21.2 // 221472	0.819741	0.90469	0.501235	5.65E-06	-1.40
7903935	NR_003928	LOC149620	NR_003928 // LOC149620 // CHIA-like pseudogene // 1p13.2 // 149620	0.369976	0.675304	0.458981	5.66E-06	-2.29
8003903	NM_004313	ARRB2	NM_004313 // ARRB2 // arrestin, beta 2 // 17p13 // 409 /// NM_199004 // ARRB2 //	0.117982	0.905553	0.194145	5.66E-06	-1.33
8022557	---		---	0.302825	0.953864	0.42868	5.71E-06	-1.40
8129392	NM_001012279	C6orf174	NM_001012279 // C6orf174 // chromosome 6 open reading frame 174 // 6q22.33 // 38	0.007615	0.019526	0.26412	5.72E-06	-1.50
8058666	---		---	0.433014	0.800773	0.451941	5.75E-06	-1.26
8144812	NM_006197	PCM1	NM_006197 // PCM1 // pericentriolar material 1 // 8p22-p21.3 // 5108 /// ENST000	0.023426	0.146324	0.930027	5.81E-06	1.24
8022283	NM_022068	FAM38B	NM_022068 // FAM38B // family with sequence similarity 38, member B // 18p11.22	0.980951	0.582108	0.338238	5.83E-06	1.75
7963851	NM_001098815	KIAA0748	NM_001098815 // KIAA0748 // KIAA0748 // 12q13.2 // 9840 /// AB018291 // KIAA0748	0.018211	0.753275	0.587152	5.86E-06	1.42
8066822	NM_018837	SULF2	NM_018837 // SULF2 // sulfatase 2 // 20q12-q13.2 // 55959 /// NM_198596 // SULF2	0.579276	0.323237	0.298519	5.89E-06	1.41

8132743	NM_152701	ABCA13	NM_152701 // ABCA13 // ATP-binding cassette, sub-family A (ABC1), member 13 // 7	0.89646	0.238526	0.928098	5.91E-06	2.47
8111864	NM_001115131	C6	NM_001115131 // C6 // complement component 6 // 5p13 // 729 /// NM_000065 // C6	0.113674	0.124557	0.929709	5.93E-06	2.40
7984380	NM_001031715	IQCH	NM_001031715 // IQCH // IQ motif containing H // 15q23 // 64799 /// NM_022784 //	0.496803	0.259103	0.902831	5.96E-06	1.48
8138009	NM_173565	RSPH10B	NM_173565 // RSPH10B // radial spoke head 10 homolog B (Chlamydomonas) // 7p22.1	0.201546	0.332984	0.972206	5.97E-06	2.77
8008885	NR_029493	MIR21	NR_029493 // MIR21 // microRNA 21 // 17q23.1 // 406991 /// AY699265 // MIR21 //	0.833417	0.887413	0.039688	6.00E-06	1.80
8063000	NM_006103	WFDC2	NM_006103 // WFDC2 // WAP four-disulfide core domain 2 // 20q12-q13.2 // 10406 /	0.152581	0.252718	0.484489	6.01E-06	1.62
7975324	NM_001168368	GALNTL1	NM_001168368 // GALNTL1 // UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acet	0.194407	0.1281	0.904673	6.01E-06	1.29
8155665	NM_021965	PGM5	NM_021965 // PGM5 // phosphoglucomutase 5 // 9q13 // 5239 /// ENST00000396396 //	0.023892	0.858665	0.191323	6.06E-06	1.50
8018646	NM_001454	FOXJ1	NM_001454 // FOXJ1 // forkhead box J1 // 17q25.1 // 2302 /// ENST00000322957 //	0.845704	0.298922	0.826488	6.08E-06	1.78
8026587	NM_001007525	NWD1	NM_001007525 // NWD1 // NACHT and WD repeat domain containing 1 // 19p13.11 // 2	0.841532	0.198585	0.990062	6.09E-06	1.86
7949172	NM_004579	MAP4K2	NM_004579 // MAP4K2 // mitogen-activated protein kinase kinase kinase kinase 2 /	0.923174	0.032823	0.706598	6.11E-06	-1.25

8134030	NM_012449	STEAP1	NM_012449 // STEAP1 // six transmembrane epithelial antigen of the prostate 1 //	0.021631	0.46772	0.554875	6.16E-06	1.36
8113691	NM_173666	DTWD2	NM_173666 // DTWD2 // DTW domain containing 2 // 5q23.1 // 285605 /// ENST000005	0.297134	0.800945	0.114457	6.16E-06	1.24
8039212	NM_005874	LILRB2	NM_005874 // LILRB2 // leukocyte immunoglobulin-like receptor, subfamily B (with	0.005693	0.107434	0.90937	6.18E-06	-1.43
8157632	NM_198469	MORN5	NM_198469 // MORN5 // MORN repeat containing 5 // 9q33.2 // 254956 /// ENST00000	0.450333	0.269395	0.896233	6.21E-06	2.12
8042843	NM_032118	WDR54	NM_032118 // WDR54 // WD repeat domain 54 // 2p13.1 // 84058 /// ENST00000348227	0.838476	0.22866	0.493195	6.23E-06	1.47
7927723	NM_173554	C10orf107	NM_173554 // C10orf107 // chromosome 10 open reading frame 107 // 10q21.2 // 219	0.353613	0.102962	0.970766	6.24E-06	2.32
8022295	NM_022068	FAM38B	NM_022068 // FAM38B // family with sequence similarity 38, member B // 18p11.22	0.674023	0.255914	0.419409	6.28E-06	1.61
8134098	NM_012395	CDK14	NM_012395 // CDK14 // cyclin-dependent kinase 14 // 7q21-q22 // 5218 /// ENST000	0.568684	0.195838	0.0428874	6.30E-06	1.26
8165667	---		---	0.093221	0.794828	0.0207017	6.32E-06	-1.68
7896752	---		---	0.093221	0.794828	0.0207017	6.32E-06	-1.68
7968484	NM_000059	BRCA2	NM_000059 // BRCA2 // breast cancer 2, early onset // 13q12.3 // 675 /// ENST000	0.183539	0.931875	0.244556	6.45E-06	1.36
8078971	NM_001248	ENTPD3	NM_001248 // ENTPD3 // ectonucleoside triphosphate diphosphohydrolase 3 // 3p21.	0.066907	0.808393	0.274044	6.52E-06	1.33

7939738	NM_000107	DDB2	NM_000107 // DDB2 // damage-specific DNA binding protein 2, 48kDa // 11p12-p11 /	0.000986	0.917062	0.81449	6.52E-06	1.23
7914563	NM_003680	YARS	NM_003680 // YARS // tyrosyl-tRNA synthetase // 1p35.1 // 8565 /// ENST000003734	0.003004	0.919529	0.740702	6.60E-06	-1.28
8142981	NM_001018111	PODXL	NM_001018111 // PODXL // podocalyxin-like // 7q32-q33 // 5420 /// NM_005397 // P	0.979943	0.380857	0.214326	6.60E-06	-1.36
8146517	NM_001011667	CHCHD7	NM_001011667 // CHCHD7 // coiled-coil-helix-coiled-coil-helix domain containing	0.185484	0.421972	0.597969	6.62E-06	-1.28
8101874	NM_000667	ADH1A	NM_000667 // ADH1A // alcohol dehydrogenase 1A (class I), alpha polypeptide // 4	0.001594	0.205334	0.25508	6.65E-06	-1.37
7923965	---		---	0.11017	0.102687	0.359716	6.68E-06	-1.25
8036045	NM_175872	ZNF792	NM_175872 // ZNF792 // zinc finger protein 792 // 19q13.11 // 126375 /// ENST000	0.144018	0.575756	0.333899	6.69E-06	-1.28
8146645	NM_152414	BHLHE22	NM_152414 // BHLHE22 // basic helix-loop-helix family, member e22 // 8q13 // 273	0.555431	0.870791	0.0037488	6.70E-06	1.22
8174985	NM_003069	SMARCA1	NM_003069 // SMARCA1 // SWI/SNF related, matrix associated, actin dependent regu	0.137136	0.341096	0.365922	6.72E-06	1.22
7912567	NM_001013407	PRAMEF5	NM_001013407 // PRAMEF5 // PRAME family member 5 // 1p36.21 // 343068 /// NM_001	0.867081	0.374018	0.0007938	6.76E-06	-1.35
8151423	NM_020647	JPH1	NM_020647 // JPH1 // junctophilin 1 // 8q21 // 56704 /// ENST00000342232 // JPH1	0.439318	0.147882	0.116732	6.77E-06	-1.36
7969533	NM_001040153	SLAIN1	NM_001040153 // SLAIN1 // SLAIN motif family, member 1 // 13q22.3 // 122060 ///	0.616114	0.376696	0.607545	6.77E-06	-1.34

8156278	NM_005226	S1PR3	NM_005226 // S1PR3 // sphingosine-1-phosphate receptor 3 // 9q22.1-q22.2 // 1903	0.82169	0.39412	0.746406	6.84E-06	1.26
7928736	NM_001010848	NRG3	NM_001010848 // NRG3 // neuregulin 3 // 10q22-q23 // 10718 /// NM_001165972 // N	0.942219	0.183169	0.729523	6.85E-06	-1.26
8177527	NM_004536	NAIP	NM_004536 // NAIP // NLR family, apoptosis inhibitory protein // 5q13.1 // 4671	0.555626	0.07866	0.411636	6.86E-06	-1.42
8112521	NM_004536	NAIP	NM_004536 // NAIP // NLR family, apoptosis inhibitory protein // 5q13.1 // 4671	0.555626	0.07866	0.411636	6.86E-06	-1.42
8121569	AK091822	FLJ34503	AK091822 // FLJ34503 // hypothetical FLJ34503 // 6q21 // 285759	0.007109	0.89089	0.462876	6.86E-06	-1.35
8025237	NM_001080429	KIAA1543	NM_001080429 // KIAA1543 // KIAA1543 // 19p13.2 // 57662 /// NM_020902 // KIAA15	0.730576	0.636363	0.406184	6.86E-06	-1.22
8149733	NM_003842	TNFRSF10B	NM_003842 // TNFRSF10B // tumor necrosis factor receptor superfamily, member 10b	0.136613	0.622752	0.108642	7.00E-06	1.28
8127903	NM_014895	KIAA1009	NM_014895 // KIAA1009 // KIAA1009 // 6q14.3 // 22832 /// ENST00000403245 // KIAA	0.01741	0.020157	0.887504	7.00E-06	1.33
7967325	NM_032554	GPR81	NM_032554 // GPR81 // G protein-coupled receptor 81 // 12q24.31 // 27198 /// ENS	0.922304	0.463894	0.968266	7.02E-06	1.64
7976560	NM_000623	BDKRB2	NM_000623 // BDKRB2 // bradykinin receptor B2 // 14q32.1-q32.2 // 624 /// ENST00	0.250823	0.59918	0.226805	7.07E-06	1.39
7898040	NM_001098376	PRAMEF15	NM_001098376 // PRAMEF15 // PRAME family member 15 // 1p36.21 // 653619 /// NM_0	0.993043	0.679751	0.0013576	7.10E-06	-1.38

8169115	NM_198465	NRK	NM_198465 // NRK // Nik related kinase // Xq22.3 // 203447 /// BX538345 // NRK /	0.228495	0.465838	0.8163	7.15E-06	1.35
8048889	NM_174899	FBXO36	NM_174899 // FBXO36 // F-box protein 36 // 2q36.3 // 130888 /// ENST00000283946	0.862287	0.238555	0.942182	7.16E-06	1.43
8097307	NM_015693	INTU	NM_015693 // INTU // inturned planar cell polarity effector homolog (Drosophila)	0.051565	0.077999	0.824715	7.19E-06	1.34
7900944	NM_152499	CCDC24	NM_152499 // CCDC24 // coiled-coil domain containing 24 // 1p34.1 // 149473 ///	0.942986	0.229914	0.909039	7.19E-06	1.27
8133876	NM_001001548	CD36	NM_001001548 // CD36 // CD36 molecule (thrombospondin receptor) // 7q11.2 // 948	0.23828	0.230848	0.217716	7.21E-06	-1.79
7982878	NM_007236	CHP	NM_007236 // CHP // calcium binding protein P22 // 15q13.3 // 11261 /// ENST0000	0.19863	0.961169	0.0126489	7.22E-06	-1.24
7903227	NM_017734	PALMD	NM_017734 // PALMD // palmdelphin // 1p22-p21 // 54873 /// ENST00000263174 // PA	0.073006	0.843586	0.0134812	7.24E-06	1.35
7951593	NR_034154	C11orf92	NR_034154 // C11orf92 // chromosome 11 open reading frame 92 // 11q23.1 // 39994	0.17558	0.504547	0.999296	7.31E-06	1.44
7900635	NM_001101376	FAM183A	NM_001101376 // FAM183A // family with sequence similarity 183, member A // 1p34	0.336301	0.545148	0.980765	7.42E-06	2.19
7981020	NM_016150	ASB2	NM_016150 // ASB2 // ankyrin repeat and SOCS box-containing 2 // 14q31-q32 // 51	0.461325	0.091245	0.756091	7.46E-06	1.29
7993126	NM_020686	ABAT	NM_020686 // ABAT // 4-aminobutyrate aminotransferase // 16p13.2 // 18 /// NM_00	0.015887	0.151424	0.13279	7.46E-06	-1.25

8005289	NM_001130090	LRRC48	NM_001130090 // LRRC48 // leucine rich repeat containing 48 // 17p11.2 // 83450	0.150586	0.214973	0.973054	7.50E-06	2.40
8063345	NR_002433	SNORD12C	NR_002433 // SNORD12C // small nucleolar RNA, C/D box 12C // 20q13.13 // 26765	0.546977	0.427016	0.386372	7.54E-06	-1.52
8124388	NM_003537	HIST1H3B	NM_003537 // HIST1H3B // histone cluster 1, H3b // 6p21.3 // 8358 /// BC099630 /	8.16E-05	0.091626	0.647893	7.55E-06	1.47
8026861	NM_014256	B3GNT3	NM_014256 // B3GNT3 // UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransfera	0.192282	0.516965	0.752948	7.64E-06	1.33
7997374	NM_130897	DYNLRB2	NM_130897 // DYNLRB2 // dynein, light chain, roadblock-type 2 // 16q23.3 // 8365	0.331996	0.11691	0.883121	7.64E-06	1.61
7961875	NM_001145728	IFLTD1	NM_001145728 // IFLTD1 // intermediate filament tail domain containing 1 // 12p1	0.376405	0.17351	0.965592	7.66E-06	1.72
8034151	NM_020812	DOCK6	NM_020812 // DOCK6 // dedicator of cytokinesis 6 // 19p13.2 // 57572 /// ENST000	0.982981	0.036341	0.498313	7.74E-06	-1.35
8001007	NM_002773	PRSS8	NM_002773 // PRSS8 // protease, serine, 8 // 16p11.2 // 5652 /// ENST00000317508	0.832258	0.014004	0.25645	7.75E-06	-1.46
8166157	NM_203281	BMX	NM_203281 // BMX // BMX non-receptor tyrosine kinase // Xp22.2 // 660 /// NM_001	0.098685	0.992357	0.928754	7.78E-06	-1.31
8123364	NM_031409	CCR6	NM_031409 // CCR6 // chemokine (C-C motif) receptor 6 // 6q27 // 1235 /// NM_004	0.522804	0.552064	0.804179	7.80E-06	1.30
7924309	NM_206594	ESRRG	NM_206594 // ESRRG // estrogen-related receptor gamma // 1q41 // 2104 /// NR_024	0.241051	0.286831	0.929792	7.81E-06	1.28

8147049	NM_001444	FABP5	NM_001444 // FABP5 // fatty acid binding protein 5 (psoriasis-associated) // 8q2	0.316465	0.214591	0.332553	7.86E-06	-1.36
8036710	NM_004877	GMFG	NM_004877 // GMFG // glia maturation factor, gamma // 19q13.2 // 9535 /// ENST00	0.558069	0.477629	0.718802	7.86E-06	-1.43
8154574	NM_017794	KIAA1797	NM_017794 // KIAA1797 // KIAA1797 // 9p21 // 54914 /// ENST00000338382 // KIAA17	0.74454	0.177719	0.629458	7.89E-06	1.27
7938481	NM_015881	DKK3	NM_015881 // DKK3 // dickkopf homolog 3 (Xenopus laevis) // 11p15.2 // 27122 ///	0.689791	0.027217	0.692572	7.92E-06	-1.24
8126770	NM_016593	CYP39A1	NM_016593 // CYP39A1 // cytochrome P450, family 39, subfamily A, polypeptide 1 /	0.234548	0.759791	0.254642	7.92E-06	1.37
8067011	NM_015339	ADNP	NM_015339 // ADNP // activity-dependent neuroprotector homeobox // 20q13.13 // 2	0.080346	0.384226	0.204138	7.97E-06	1.22
8092520	BC137178	C3orf70	BC137178 // C3orf70 // chromosome 3 open reading frame 70 // 3q27.2 // 285382 //	0.770861	0.421526	0.269108	7.99E-06	1.27
8120176	NM_001145652	C6orf141	NM_001145652 // C6orf141 // chromosome 6 open reading frame 141 // 6p12.3 // 135	0.840645	0.721603	0.0654577	8.01E-06	1.21
8004784	NM_001141	ALOX15B	NM_001141 // ALOX15B // arachidonate 15-lipoxygenase, type B // 17p13.1 // 247 /	0.396757	0.910272	0.121004	8.01E-06	-1.89
7987426	NM_152597	FSIP1	NM_152597 // FSIP1 // fibrous sheath interacting protein 1 // 15q14 // 161835 //	0.379065	0.10867	0.851582	8.07E-06	1.36
8135488	NM_001099660	LRRN3	NM_001099660 // LRRN3 // leucine rich repeat neuronal 3 // 7q31.1 // 54674 /// N	0.016573	0.79137	0.109491	8.09E-06	-1.82

7940626	NM_002407	SCGB2A1	NM_002407 // SCGB2A1 // secretoglobin, family 2A, member 1 // 11q13 // 4246 ///	0.242444	0.062419	0.520076	8.10E-06	1.24
7999674	NM_022844	MYH11	NM_022844 // MYH11 // myosin, heavy chain 11, smooth muscle // 16p13.11 // 4629	0.007996	0.214195	0.364191	8.12E-06	1.75
7961798	NM_152989	SOX5	NM_152989 // SOX5 // SRY (sex determining region Y)-box 5 // 12p12.1 // 6660 ///	0.126784	0.553096	0.48672	8.13E-06	1.28
8088952	---		---	0.04736	0.244128	0.0622501	8.14E-06	1.38
7982854	NM_019074	DLL4	NM_019074 // DLL4 // delta-like 4 (Drosophila) // 15q14 // 54567 /// ENST0000024	0.878248	0.016799	0.775906	8.14E-06	-1.46
8005857	NM_152464	TMEM199	NM_152464 // TMEM199 // transmembrane protein 199 // 17q11.2 // 147007 /// ENST0	0.110298	0.438368	0.800055	8.17E-06	-1.22
8150592	NM_005195	CEBPD	NM_005195 // CEBPD // CCAAT/enhancer binding protein (C/EBP), delta // 8p11.2-p1	0.010271	0.101347	0.367721	8.18E-06	-1.36
8174207	NM_022052	NXF3	NM_022052 // NXF3 // nuclear RNA export factor 3 // Xq22 // 56000 /// ENST000003	0.199225	0.155869	0.195858	8.23E-06	-1.50
7976073	NM_013231	FLRT2	NM_013231 // FLRT2 // fibronectin leucine rich transmembrane protein 2 // 14q24-	0.258397	0.575078	0.315832	8.23E-06	1.43
7942783	BC002752	C11orf67	BC002752 // C11orf67 // chromosome 11 open reading frame 67 // 11q14.1 // 28971	0.043663	0.055339	0.223464	8.25E-06	-1.22
8015635	NM_012232	PTRF	NM_012232 // PTRF // polymerase I and transcript release factor // 17q21.2 // 28	0.617561	0.016909	0.168583	8.25E-06	-1.36
8083000	NM_001033030	FAIM	NM_001033030 // FAIM // Fas apoptotic inhibitory molecule // 3q22.3 // 55179 ///	0.295869	0.056737	0.409961	8.27E-06	1.27

8163678	NM_014010	ASTN2	NM_014010 // ASTN2 // astrotactin 2 // 9q33.1 // 23245 /// NM_198186 // ASTN2 //	0.980593	0.913596	0.998902	8.32E-06	1.23
8037913	NM_003827	NAPA	NM_003827 // NAPA // N-ethylmaleimide-sensitive factor attachment protein, alpha	0.000238	0.421273	0.238866	8.32E-06	-1.20
8093943	NR_015433	LOC93622	NR_015433 // LOC93622 // hypothetical LOC93622 // 4p16.1 // 93622 /// AK026375 /	0.009364	0.704139	0.245633	8.33E-06	-1.21
7910923	NM_020066	FMN2	NM_020066 // FMN2 // formin 2 // 1q43 // 56776 /// ENST00000319653 // FMN2 // fo	0.745793	0.190577	0.712769	8.38E-06	1.28
7949603	NM_015399	BRMS1	NM_015399 // BRMS1 // breast cancer metastasis suppressor 1 // 11q13-q13.2 // 25	0.003417	0.288386	0.861643	8.38E-06	-1.21
8023401	NM_025214	CCDC68	NM_025214 // CCDC68 // coiled-coil domain containing 68 // 18q21 // 80323 /// NM	0.132212	0.184046	0.341214	8.46E-06	-1.69
7898012	NM_001098376	PRAMEF15	NM_001098376 // PRAMEF15 // PRAME family member 15 // 1p36.21 // 653619 /// NM_0	0.918427	0.560532	0.0004207	8.48E-06	-1.39
8041422	NM_170672	RASGRP3	NM_170672 // RASGRP3 // RAS guanyl releasing protein 3 (calcium and DAG-regulate	0.11342	0.334223	0.308291	8.54E-06	1.47
8081810	NM_001130064	GAP43	NM_001130064 // GAP43 // growth associated protein 43 // 3q13.1-q13.2 // 2596 //	0.679408	0.339655	0.5594	8.57E-06	1.27
8157818	NM_001045476	WDR38	NM_001045476 // WDR38 // WD repeat domain 38 // 9q33.3 // 401551 /// ENST0000037	0.890337	0.259501	0.899273	8.66E-06	1.86
7953166	NM_006675	TSPAN9	NM_006675 // TSPAN9 // tetraspanin 9 // 12p13.33-p13.32 // 10867 /// NM_00116832	0.676273	0.00167	0.175094	8.73E-06	-1.30

8086125	NM_014831	TRANK1	NM_014831 // TRANK1 // tetratricopeptide repeat and ankyrin repeat containing 1	0.002062	0.858886	0.828187	8.78E-06	1.32
8160260	NM_017637	BNC2	NM_017637 // BNC2 // basonuclin 2 // 9p22.2 // 54796 /// ENST00000380672 // BNC2	0.093011	0.846331	0.420559	8.79E-06	1.36
8013112	NM_016084	RASD1	NM_016084 // RASD1 // RAS, dexamethasone-induced 1 // 17p11.2 // 51655 /// ENST0	0.955232	0.026133	0.585305	8.79E-06	-1.62
8057578	NM_005795	CALCRL	NM_005795 // CALCRL // calcitonin receptor-like // 2q32.1 // 10203 /// ENST00000	0.075606	0.173975	0.182859	8.84E-06	-1.70
8097417	NM_199320	PHF17	NM_199320 // PHF17 // PHD finger protein 17 // 4q26-q27 // 79960 /// NM_024900 /	0.135842	0.567222	0.974075	8.86E-06	-1.30
7965264	NM_025114	CEP290	NM_025114 // CEP290 // centrosomal protein 290kDa // 12q21.32 // 80184 /// NM_00	0.020254	0.0372	0.885798	8.94E-06	1.36
8006445	NM_002986	CCL11	NM_002986 // CCL11 // chemokine (C-C motif) ligand 11 // 17q21.1-q21.2 // 6356 /	0.770413	0.005844	0.477935	8.96E-06	1.48
8152988	NM_001045556	SLA	NM_001045556 // SLA // Src-like-adaptor // 8q22.3-qter|8q24 // 6503 /// NM_00674	0.359559	0.428989	0.369436	8.99E-06	-1.57
8013671	NM_006461	SPAG5	NM_006461 // SPAG5 // sperm associated antigen 5 // 17q11.2 // 10615 /// ENST000	0.005851	0.941306	0.59441	9.03E-06	1.26
8169665	NM_178813	AKAP14	NM_178813 // AKAP14 // A kinase (PRKA) anchor protein 14 // Xq24 // 158798 /// N	0.738645	0.218863	0.748631	9.09E-06	1.54
7947230	NM_170732	BDNF	NM_170732 // BDNF // brain-derived neurotrophic factor // 11p13 // 627 /// NM_17	0.142209	0.00359	0.555013	9.22E-06	-1.22

7971905	NM_022843	PCDH20	NM_022843 // PCDH20 // protocadherin 20 // 13q21 // 64881 /// ENST00000409186 //	0.294862	0.423705	0.0034275	9.32E-06	1.40
7973797	NM_001135058	COCH	NM_001135058 // COCH // coagulation factor C homolog, cochlin (Limulus polyphemu	0.111751	0.705686	0.928054	9.41E-06	1.22
8083897	NM_001164436	TMEM212	NM_001164436 // TMEM212 // transmembrane protein 212 // 3q26.31 // 389177 /// EN	0.366131	0.192038	0.983899	9.42E-06	2.94
7950307	NM_003355	UCP2	NM_003355 // UCP2 // uncoupling protein 2 (mitochondrial, proton carrier) // 11q	0.020744	0.530175	0.535416	9.42E-06	1.33
8082928	NM_001002026	CLDN18	NM_001002026 // CLDN18 // claudin 18 // 3q22.3 // 51208 /// NM_016369 // CLDN18	0.393768	0.046401	0.189282	9.54E-06	-2.22
8072360	NM_000355	TCN2	NM_000355 // TCN2 // transcobalamin II // 22q12.2 // 6948 /// NM_001184726 // TC	0.928229	0.80118	0.848474	9.59E-06	-1.37
8009585	NM_023036	DNAI2	NM_023036 // DNAI2 // dynein, axonemal, intermediate chain 2 // 17q25 // 64446 /	0.469041	0.268748	0.909109	9.65E-06	1.72
7951672	NM_138789	PIH1D2	NM_138789 // PIH1D2 // PIH1 domain containing 2 // 11q23.1 // 120379 /// NM_0010	0.285153	0.149647	0.982859	9.71E-06	2.07
7918188	NM_013386	SLC25A24	NM_013386 // SLC25A24 // solute carrier family 25 (mitochondrial carrier; phosph	0.4701	0.178188	0.26553	9.72E-06	-1.26
7904726	NM_006472	TXNIP	NM_006472 // TXNIP // thioredoxin interacting protein // 1q21.1 // 10628 /// ENS	0.00072	0.923027	0.365073	9.79E-06	-1.26
8173917	NM_004538	NAP1L3	NM_004538 // NAP1L3 // nucleosome assembly protein 1-like 3 // Xq21.3-q22 // 467	4.37E-05	0.945333	0.597645	9.81E-06	1.35

7952309	NM_001001786	BLID	NM_001001786 // BLID // BH3-like motif containing, cell death inducer // 11q24.1	0.460805	0.447832	0.993615	9.87E-06	1.35
8047401	---		---	0.020789	0.490016	0.256549	9.88E-06	-1.30
8059028	NM_194302	CCDC108	NM_194302 // CCDC108 // coiled-coil domain containing 108 // 2q35 // 255101 ///	0.376476	0.25779	0.973044	9.91E-06	1.54
8099388	NM_005114	HS3ST1	NM_005114 // HS3ST1 // heparan sulfate (glucosamine) 3-O-sulfotransferase 1 // 4	0.145899	0.037826	0.200207	9.94E-06	1.29
8079346	NM_014016	SACM1L	NM_014016 // SACM1L // SAC1 suppressor of actin mutations 1-like (yeast) // 3p21	0.016604	0.907886	0.150063	9.95E-06	-1.31
8084002	NM_005832	KCNMB2	NM_005832 // KCNMB2 // potassium large conductance calcium-activated channel, su	0.344401	0.592538	0.356615	1.00E-05	1.29
8139057	NM_014800	ELMO1	NM_014800 // ELMO1 // engulfment and cell motility 1 // 7p14.1 // 9844 /// NM_00	0.059526	0.511954	0.810063	1.00E-05	-1.28
7961111	NM_016511	CLEC1A	NM_016511 // CLEC1A // C-type lectin domain family 1, member A // 12p13.2 // 512	0.226602	0.174897	0.857515	1.01E-05	-1.38
8059642	NM_152527	SLC16A14	NM_152527 // SLC16A14 // solute carrier family 16, member 14 (monocarboxylic aci	0.243443	0.160086	0.0499031	1.01E-05	1.31
8087925	NM_003280	TNNC1	NM_003280 // TNNC1 // troponin C type 1 (slow) // 3p21.1 // 7134 /// ENST0000023	0.525016	0.019216	0.659486	1.02E-05	-1.57
7921909	NM_178550	C1orf110	NM_178550 // C1orf110 // chromosome 1 open reading frame 110 // 1q23.3 // 339512	0.717085	0.057554	0.816647	1.02E-05	2.06
8026564	NM_016270	KLF2	NM_016270 // KLF2 // Kruppel-like factor 2 (lung) // 19p13.13-p13.11 // 10365 //	0.813784	0.004001	0.533647	1.02E-05	-1.34

8132715	NM_001100159	C7orf57	NM_001100159 // C7orf57 // chromosome 7 open reading frame 57 // 7p12.3 // 13628	0.300448	0.389161	0.985223	1.03E-05	1.74
8120011	NM_145026	SPATS1	NM_145026 // SPATS1 // spermatogenesis associated, serine-rich 1 // 6p21.1 // 22	0.784452	0.293941	0.839176	1.03E-05	1.69
7985829	NM_001113378	FANCI	NM_001113378 // FANCI // Fanconi anemia, complementation group I // 15q26.1 // 5	0.036656	0.519592	0.300343	1.04E-05	1.30
8083616	NM_001195434	MLF1	NM_001195434 // MLF1 // myeloid leukemia factor 1 // 3q25.1 // 4291 /// NM_00113	0.522483	0.458798	0.8145	1.04E-05	1.56
7915846	NM_003684	MKNK1	NM_003684 // MKNK1 // MAP kinase interacting serine/threonine kinase 1 // 1p33 /	0.670271	0.049911	0.441338	1.05E-05	-1.24
8130674	NM_006661	PDE10A	NM_006661 // PDE10A // phosphodiesterase 10A // 6q26 // 10846 /// NM_001130690 /	0.038394	0.217127	0.728739	1.05E-05	1.32
7904211	NM_138959	VANGL1	NM_138959 // VANGL1 // vang-like 1 (van gogh, Drosophila) // 1p13.1 // 81839 ///	0.457719	0.490514	0.404311	1.06E-05	1.23
8053467	NM_000542	SFTPB	NM_000542 // SFTPB // surfactant protein B // 2p12-p11.2 // 6439 /// NM_198843 /	0.392676	0.066981	0.308486	1.06E-05	-1.29
8123893	NM_005906	MAK	NM_005906 // MAK // male germ cell-associated kinase // 6p24 // 4117 /// ENST000	0.703266	0.082655	0.94512	1.06E-05	1.84
8139632	NM_001042762	FIGNL1	NM_001042762 // FIGNL1 // fidgetin-like 1 // 7p12.1 // 63979 /// NM_022116 // FI	0.717639	0.892026	0.727098	1.07E-05	1.23
8101449	NM_006665	HPSE	NM_006665 // HPSE // heparanase // 4q21.3 // 10855 /// NM_001098540 // HPSE // h	0.249803	0.555263	0.828057	1.07E-05	-1.26
8151629	---		---	0.834429	0.384185	0.0494948	1.07E-05	-1.98

7899029	NM_020379	MAN1C1	NM_020379 // MAN1C1 // mannosidase, alpha, class 1C, member 1 // 1p35 // 57134 /	0.512937	0.731761	0.216911	1.07E-05	1.24
8088142	NM_018397	CHDH	NM_018397 // CHDH // choline dehydrogenase // 3p21.1 // 55349 /// ENST0000031525	0.673736	0.254494	0.570169	1.08E-05	-1.22
8011671	NM_001122890	GGT6	NM_001122890 // GGT6 // gamma-glutamyltransferase 6 // 17p13.2 // 124975 /// NM_	0.858418	0.222905	0.967739	1.09E-05	1.30
8050443	NM_001142286	SMC6	NM_001142286 // SMC6 // structural maintenance of chromosomes 6 // 2p24.2 // 796	0.039905	0.136127	0.747835	1.10E-05	1.32
8056022	NM_138803	CCDC148	NM_138803 // CCDC148 // coiled-coil domain containing 148 // 2q24.1 // 130940 //	0.285136	0.37107	0.925234	1.11E-05	1.51
8051215	NM_022128	RBKS	NM_022128 // RBKS // ribokinase // 2p23.3 // 64080 /// ENST00000302188 // RBKS /	0.610034	0.613901	0.977723	1.11E-05	1.31
7916629	NM_152377	C1orf87	NM_152377 // C1orf87 // chromosome 1 open reading frame 87 // 1p32.1 // 127795 /	0.268202	0.327645	0.997144	1.12E-05	2.16
7995797	NM_175617	MT1E	NM_175617 // MT1E // metallothionein 1E // 16q13 // 4493 /// BC009699 // MT1E //	0.019495	0.174202	0.478521	1.12E-05	-1.44
8078155	NM_054110	GALNTL2	NM_054110 // GALNTL2 // UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylg	0.789885	0.278266	0.836909	1.12E-05	-1.93
7939723	NM_001003676	C11orf49	NM_001003676 // C11orf49 // chromosome 11 open reading frame 49 // 11p11.2 // 79	0.672682	0.687815	0.471675	1.13E-05	1.24
8086434	NM_144719	CCDC13	NM_144719 // CCDC13 // coiled-coil domain containing 13 // 3p22.1 // 152206 ///	0.313166	0.246486	0.655136	1.13E-05	1.32

8129649	NM_052831	C6orf192	NM_052831 // C6orf192 // chromosome 6 open reading frame 192 // 6q22.3-q23.3 //	0.88799	0.089718	0.730748	1.13E-05	1.46
7981994	NR_003337	SNORD116-2	NR_003337 // SNORD116-23 // small nucleolar RNA, C/D box 116-23 // 15q11.2 // 10	0.571153	0.677431	0.283935	1.13E-05	1.45
8063761	NM_177980	CDH26	NM_177980 // CDH26 // cadherin 26 // 20q13.33 // 60437 /// NM_021810 // CDH26 //	0.834725	0.345725	0.983991	1.14E-05	1.59
8147132	NM_000067	CA2	NM_000067 // CA2 // carbonic anhydrase II // 8q22 // 760 /// ENST00000285379 //	0.745529	0.189926	0.0928386	1.14E-05	-1.63
7903959	NM_181643	C1orf88	NM_181643 // C1orf88 // chromosome 1 open reading frame 88 // 1p13.2 // 128344 /	0.427969	0.390566	0.940385	1.14E-05	2.00
8037422	NM_001031749	LYPD5	NM_001031749 // LYPD5 // LY6/PLAUR domain containing 5 // 19q13.31 // 284348 ///	0.863777	0.247995	0.270632	1.15E-05	-1.25
8173825	NM_014496	RPS6KA6	NM_014496 // RPS6KA6 // ribosomal protein S6 kinase, 90kDa, polypeptide 6 // Xq2	0.421498	0.488451	0.990761	1.15E-05	1.44
8147891	NM_177531	PKHD1L1	NM_177531 // PKHD1L1 // polycystic kidney and hepatic disease 1 (autosomal reces	0.065384	0.639253	0.826477	1.15E-05	-1.79
8128837	NM_001123364	C6orf186	NM_001123364 // C6orf186 // chromosome 6 open reading frame 186 // 6q21 // 72846	0.120602	0.722883	0.589409	1.16E-05	1.36
7904812	NM_006099	PIAS3	NM_006099 // PIAS3 // protein inhibitor of activated STAT, 3 // 1q21 // 10401 //	0.598511	0.073603	0.348222	1.16E-05	1.25
8105077	NM_032587	CARD6	NM_032587 // CARD6 // caspase recruitment domain family, member 6 // 5p13.1 // 8	0.63533	0.108098	0.316175	1.16E-05	-1.24

7990545	NM_001897	CSPG4	NM_001897 // CSPG4 // chondroitin sulfate proteoglycan 4 // 15q24.2 // 1464 ///	0.596279	0.851273	0.977263	1.16E-05	-1.35
7982392	NM_001036	RYR3	NM_001036 // RYR3 // ryanodine receptor 3 // 15q14-q15 // 6263 /// ENST000003892	0.485125	0.840055	0.991558	1.18E-05	1.24
8148728	NM_001916	CYC1	NM_001916 // CYC1 // cytochrome c-1 // 8q24.3 // 1537 /// ENST00000318911 // CYC	0.00022	0.449406	0.389441	1.18E-05	-1.21
8103544	NM_001040159	SPOCK3	NM_001040159 // SPOCK3 // sparc/osteonectin, cwcv and kazal-like domains proteog	0.48119	0.456232	0.860427	1.18E-05	1.68
8071951	---		---	0.170522	0.279659	0.95747	1.19E-05	1.25
7972021	NM_014832	TBC1D4	NM_014832 // TBC1D4 // TBC1 domain family, member 4 // 13q22.2 // 9882 /// ENST0	0.05746	0.205788	0.217997	1.19E-05	-1.27
8142997	NM_020911	PLXNA4	NM_020911 // PLXNA4 // plexin A4 // 7q32.3 // 91584 /// NM_181775 // PLXNA4 // p	0.861096	0.762061	0.530675	1.20E-05	1.35
7921237	NM_031281	FCRL5	NM_031281 // FCRL5 // Fc receptor-like 5 // 1q21 // 83416 /// NM_001195388 // FC	0.263675	0.124468	0.857772	1.20E-05	1.76
7962183	NM_001005353	AK4	NM_001005353 // AK4 // adenylate kinase 4 // 1p31.3 // 205 /// NM_013410 // AK4	0.116475	0.293652	0.407264	1.20E-05	1.45
8158380	NM_013355	PKN3	NM_013355 // PKN3 // protein kinase N3 // 9q34.11 // 29941 /// ENST00000291906 /	0.941668	0.212381	0.0173862	1.20E-05	-1.24
8090567	NM_207307	C3orf25	NM_207307 // C3orf25 // chromosome 3 open reading frame 25 // 3q21.3 // 90288 //	0.640498	0.597458	0.958989	1.21E-05	1.75
8081880	NM_001125	ADPRH	NM_001125 // ADPRH // ADP-ribosylarginine hydrolase // 3q13.31-q13.33 // 141 ///	0.667261	0.209968	0.626035	1.21E-05	-1.24

8157487	NM_002581	PAPPA	NM_002581 // PAPPA // pregnancy-associated plasma protein A, pappalysin 1 // 9q3	0.283403	0.282849	0.330299	1.21E-05	1.60
8021603	NM_012397	SERPINB13	NM_012397 // SERPINB13 // serpin peptidase inhibitor, clade B (ovalbumin), membe	0.141218	0.054736	0.684488	1.21E-05	1.73
8140280	NR_003614	PMS2L2	NR_003614 // PMS2L2 // postmeiotic segregation increased 2-like 2 pseudogene //	0.098073	0.031543	0.0338505	1.21E-05	1.27
7950336	NM_015531	C2CD3	NM_015531 // C2CD3 // C2 calcium-dependent domain containing 3 // 11q13.4 // 260	0.393889	0.177648	0.844727	1.22E-05	1.27
7990092	NM_006901	MYO9A	NM_006901 // MYO9A // myosin IXA // 15q22-q23 // 4649 /// ENST00000356056 // MYO	0.006018	0.809743	0.199965	1.22E-05	-1.26
7963421	NM_005554	KRT6A	NM_005554 // KRT6A // keratin 6A // 12q12-q13 // 3853 /// ENST00000330722 // KRT	0.181494	0.026433	0.201267	1.23E-05	1.70
8044669	NM_013412	RABL2A	NM_013412 // RABL2A // RAB, member of RAS oncogene family-like 2A // 2q13 // 111	0.3268	0.122354	0.744566	1.25E-05	1.48
7962625	NM_001098531	RAPGEF3	NM_001098531 // RAPGEF3 // Rap guanine nucleotide exchange factor (GEF) 3 // 12q	0.024923	0.252387	0.687497	1.26E-05	-1.23
8105267	NM_002203	ITGA2	NM_002203 // ITGA2 // integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 recepto	0.03087	0.424508	0.63811	1.27E-05	1.65
8095585	NM_001098484	SLC4A4	NM_001098484 // SLC4A4 // solute carrier family 4, sodium bicarbonate cotranspor	0.259719	0.398201	0.160063	1.28E-05	1.50
7976556	NR_023938	C14orf132	NR_023938 // C14orf132 // chromosome 14 open reading frame 132 // 14q32.2 // 569	0.120683	0.437371	0.301879	1.28E-05	-1.28

7901549	NM_000098	CPT2	NM_000098 // CPT2 // carnitine palmitoyltransferase 2 // 1p32 // 1376 /// ENST00	0.91457	0.601229	0.591862	1.30E-05	-1.22
7915743	NM_001114938	CCDC17	NM_001114938 // CCDC17 // coiled-coil domain containing 17 // 1p34.1 // 149483 /	0.352888	0.126186	0.909546	1.31E-05	1.99
8020973	NM_025135	FHOD3	NM_025135 // FHOD3 // formin homology 2 domain containing 3 // 18q12 // 80206 //	0.300624	0.382234	0.993177	1.31E-05	1.38
8095688	NM_002993	CXCL6	NM_002993 // CXCL6 // chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic	0.186326	0.28037	0.539785	1.32E-05	1.75
8173869	NM_024921	POF1B	NM_024921 // POF1B // premature ovarian failure, 1B // Xq21.2 // 79983 /// ENST0	0.05803	0.848462	0.669373	1.32E-05	1.53
8103437	NM_005038	PPID	NM_005038 // PPID // peptidylprolyl isomerase D // 4q31.3 // 5481 /// ENST000003	0.379645	0.00512	0.123667	1.33E-05	1.36
8168749	NM_014467	SRPX2	NM_014467 // SRPX2 // sushi-repeat-containing protein, X-linked 2 // Xq21.33-q23	0.145964	0.787405	0.917879	1.34E-05	-1.53
8149774	NM_002318	LOXL2	NM_002318 // LOXL2 // lysyl oxidase-like 2 // 8p21.3 // 4017 /// BC000594 // LOX	0.016475	0.291178	0.929341	1.34E-05	1.34
8151127	NM_001013626	LRRC67	NM_001013626 // LRRC67 // leucine rich repeat containing 67 // 8q13.1 // 286187	0.706206	0.262008	0.689496	1.34E-05	1.62
7921473	NM_012337	CCDC19	NM_012337 // CCDC19 // coiled-coil domain containing 19 // 1q22 // 25790 /// ENS	0.357863	0.195119	0.97386	1.34E-05	1.81
8120468	NM_001704	BAI3	NM_001704 // BAI3 // brain-specific angiogenesis inhibitor 3 // 6q12 // 577 ///	0.014815	0.684713	0.360848	1.35E-05	-1.35

8085914	NM_003615	SLC4A7	NM_003615 // SLC4A7 // solute carrier family 4, sodium bicarbonate cotransporter	0.761429	0.113091	0.557422	1.35E-05	1.44
8077171	NM_001130921	RABL2B	NM_001130921 // RABL2B // RAB, member of RAS oncogene family-like 2B // 22q13.33	0.21559	0.120593	0.709171	1.36E-05	1.47
7938183	NM_013250	ZNF215	NM_013250 // ZNF215 // zinc finger protein 215 // 11p15.4 // 7762 /// ENST000002	0.625296	0.14585	0.784448	1.36E-05	1.61
7945296	NM_001080407	GLB1L3	NM_001080407 // GLB1L3 // galactosidase, beta 1-like 3 // 11q25 // 112937 /// EN	0.485945	0.35593	0.517504	1.36E-05	1.37
8087739	NM_013324	CISH	NM_013324 // CISH // cytokine inducible SH2-containing protein // 3p21.3 // 1154	0.00296	0.641744	0.966837	1.37E-05	-1.23
8173551	NM_002637	PHKA1	NM_002637 // PHKA1 // phosphorylase kinase, alpha 1 (muscle) // Xq12-q13 // 5255	0.70593	0.331124	0.820077	1.37E-05	1.30
8150126	NM_001009552	PPP2CB	NM_001009552 // PPP2CB // protein phosphatase 2, catalytic subunit, beta isozyme	0.852776	0.539154	0.931542	1.37E-05	-1.22
8071655	---		---	0.151798	0.3017	0.670636	1.38E-05	1.53
8151447	NM_000880	IL7	NM_000880 // IL7 // interleukin 7 // 8q12-q13 // 3574 /// ENST00000263851 // IL7	0.191645	0.294185	0.501486	1.38E-05	1.31
8123981	AF264036	C6orf114	AF264036 // C6orf114 // chromosome 6 open reading frame 114 // 6p23 // 85411 ///	0.8446	0.136873	0.856851	1.39E-05	-1.27
7995793	NR_001447	MT1L	NR_001447 // MT1L // metallothionein 1L (gene/pseudogene) // 16q13 // 4500 /// X	0.093601	0.247863	0.573789	1.40E-05	-1.42
8131069	NM_001039966	GPER	NM_001039966 // GPER // G protein-coupled estrogen receptor 1 // 7p22.3 // 2852	0.197855	0.224406	0.888941	1.40E-05	-1.35

8011193	NR_028504	C17orf91	NR_028504 // C17orf91 // chromosome 17 open reading frame 91 // 17p13.3 // 84981	0.281857	0.107966	0.945975	1.41E-05	-1.34
8082465	NM_024768	CCDC48	NM_024768 // CCDC48 // coiled-coil domain containing 48 // 3q21.3 // 79825 /// A	0.029507	0.114798	0.264606	1.41E-05	-1.29
7990231	NR_023318	ADPGK	NR_023318 // ADPGK // ADP-dependent glucokinase // 15q24.1 // 83440 /// NM_03128	0.353678	0.604684	0.936149	1.41E-05	-1.22
8116559	NM_002460	IRF4	NM_002460 // IRF4 // interferon regulatory factor 4 // 6p25-p23 // 3662 /// NM_0	0.39842	0.823091	0.757126	1.41E-05	1.59
8039362	NM_178837	C19orf51	NM_178837 // C19orf51 // chromosome 19 open reading frame 51 // 19q13.4 // 35290	0.767103	0.788978	0.993142	1.42E-05	1.54
8004691	NM_203411	TMEM88	NM_203411 // TMEM88 // transmembrane protein 88 // 17p13.1 // 92162 /// ENST0000	0.989818	0.16347	0.799093	1.42E-05	-1.33
8022646	NM_001136205	KCTD1	NM_001136205 // KCTD1 // potassium channel tetramerisation domain containing 1 /	0.50316	0.878333	0.848615	1.42E-05	1.31
7987405	NM_005739	RASGRP1	NM_005739 // RASGRP1 // RAS guanyl releasing protein 1 (calcium and DAG-regulate	0.829677	0.798803	0.368334	1.43E-05	1.57
8164269	NM_000118	ENG	NM_000118 // ENG // endoglin // 9q33-q34.1 // 2022 /// NM_001114753 // ENG // en	0.86709	0.267601	0.837644	1.43E-05	-1.34
8095819	NM_001136570	FAM47E	NM_001136570 // FAM47E // family with sequence similarity 47, member E // 4q21.1	0.30254	0.181194	0.815354	1.43E-05	1.74
8065433	NM_020531	C20orf3	NM_020531 // C20orf3 // chromosome 20 open reading frame 3 // 20p11.2 // 57136 /	0.281305	0.025689	0.358788	1.43E-05	-1.23

8095343	NM_012108	STAP1	NM_012108 // STAP1 // signal transducing adaptor family member 1 // 4q13.2 // 26	0.679417	0.344881	0.947487	1.44E-05	1.43
8002992	NM_152337	C16orf46	NM_152337 // C16orf46 // chromosome 16 open reading frame 46 // 16q23.2 // 12377	0.436914	0.272508	0.913791	1.44E-05	1.24
7953981	NM_001987	ETV6	NM_001987 // ETV6 // ets variant 6 // 12p13 // 2120 /// ENST00000266427 // ETV6	0.075887	0.00909	0.244582	1.44E-05	1.26
8117170	---		---	0.078941	0.875734	0.900491	1.45E-05	1.22
7952069	NM_020153	IFT46	NM_020153 // IFT46 // intraflagellar transport 46 homolog (Chlamydomonas) // 11q	0.630996	0.038889	0.966726	1.45E-05	1.39
8126184	NM_145027	KIF6	NM_145027 // KIF6 // kinesin family member 6 // 6p21.2 // 221458 /// ENST0000028	0.358791	0.072399	0.999677	1.45E-05	1.50
8091867	NM_000055	BCHE	NM_000055 // BCHE // butyrylcholinesterase // 3q26.1-q26.2 // 590 /// ENST000002	0.073552	0.813456	0.0006513	1.46E-05	1.51
8129937	NM_006079	CITED2	NM_006079 // CITED2 // Cbp/p300-interacting transactivator, with Glu/Asp-rich ca	0.504815	0.004434	0.0850793	1.46E-05	-1.30
7998637	NM_016332	SEPX1	NM_016332 // SEPX1 // selenoprotein X, 1 // 16p13.3 // 51734 /// ENST00000361871	0.010554	0.414126	0.316347	1.46E-05	-1.23
7935270	NM_013314	BLNK	NM_013314 // BLNK // B-cell linker // 10q23.2-q23.33 // 29760 /// NM_001114094 /	0.681044	0.349289	0.916285	1.47E-05	1.35
8085033	NM_001136049	LMLN	NM_001136049 // LMLN // leishmanolysin-like (metallopeptidase M8 family) // 3q29	0.289906	0.084298	0.855683	1.48E-05	1.33
8067055	NM_006045	ATP9A	NM_006045 // ATP9A // ATPase, class II, type 9A // 20q13.2 // 10079 /// ENST0000	0.693595	0.336088	0.305248	1.48E-05	1.31

7957458	NM_006183	NTS	NM_006183 // NTS // neurotensin // 12q21 // 4922 /// ENST00000256010 // NTS // n	0.200081	0.41267	0.822234	1.48E-05	1.92
7955156	NM_033124	CCDC65	NM_033124 // CCDC65 // coiled-coil domain containing 65 // 12q13.12 // 85478 ///	0.558414	0.206735	0.952568	1.48E-05	1.88
8100292	NM_015030	FRYL	NM_015030 // FRYL // FRY-like // 4p11 // 285527 /// ENST00000358350 // FRYL // F	0.00094	0.417699	0.950713	1.48E-05	-1.32
8042310	NM_003038	SLC1A4	NM_003038 // SLC1A4 // solute carrier family 1 (glutamate/neutral amino acid tra	0.070759	0.584377	0.983986	1.49E-05	1.31
7971373	---		---	0.43331	0.004021	0.660191	1.50E-05	-1.40
8110932	NM_003966	SEMA5A	NM_003966 // SEMA5A // sema domain, seven thrombospondin repeats (type 1 and typ	0.157871	0.111097	0.295194	1.50E-05	-1.38
7930663	NM_198496	VWA2	NM_198496 // VWA2 // von Willebrand factor A domain containing 2 // 10q25.3 // 3	0.73423	0.724856	0.50839	1.50E-05	1.29
8043375	---		---	0.086867	0.848848	0.0215529	1.50E-05	-1.62
8037045	NM_001817	CEACAM4	NM_001817 // CEACAM4 // carcinoembryonic antigen-related cell adhesion molecule	0.17278	0.555147	0.0584186	1.50E-05	-1.22
7918048	---		---	0.158114	0.287465	0.145402	1.50E-05	-1.24
7900076	NM_014466	TEKT2	NM_014466 // TEKT2 // tektin 2 (testicular) // 1p34.3 // 27285 /// ENST000002074	0.401969	0.203024	0.977893	1.51E-05	1.90
8007071	NM_001254	CDC6	NM_001254 // CDC6 // cell division cycle 6 homolog (S. cerevisiae) // 17q21.3 //	0.000624	0.077851	0.318171	1.51E-05	1.46
8009277	NM_003835	RGS9	NM_003835 // RGS9 // regulator of G-protein signaling 9 // 17q24 // 8787 /// NM_	0.730546	0.361283	0.21025	1.52E-05	-1.35

7974404	NM_005192	CDKN3	NM_005192 // CDKN3 // cyclin-dependent kinase inhibitor 3 // 14q22 // 1033 /// N	0.002541	0.481782	0.4114	1.52E-05	1.23
8039871	NM_001083539	KIR3DS1	NM_001083539 // KIR3DS1 // killer cell immunoglobulin-like receptor, three domai	0.751082	0.338389	0.263964	1.52E-05	-1.30
8165735	NM_001161531	CSF2RA	NM_001161531 // CSF2RA // colony stimulating factor 2 receptor, alpha, low-affin	0.639737	0.267543	0.422294	1.55E-05	-1.34
8176306	NM_001161531	CSF2RA	NM_001161531 // CSF2RA // colony stimulating factor 2 receptor, alpha, low-affin	0.639737	0.267543	0.422294	1.55E-05	-1.34
8178115	NM_001710	CFB	NM_001710 // CFB // complement factor B // 6p21.3 // 629 /// ENST00000417261 //	0.037625	0.095876	0.0825571	1.56E-05	1.79
8114287	NM_004598	SPOCK1	NM_004598 // SPOCK1 // sparc/osteonectin, cwcv and kazal-like domains proteoglyc	0.575651	0.06509	0.437205	1.57E-05	-1.37
8163437	NM_033051	SLC46A2	NM_033051 // SLC46A2 // solute carrier family 46, member 2 // 9q32 // 57864 ///	0.179138	0.740727	0.83415	1.58E-05	-1.33
7983478	NM_032413	C15orf48	NM_032413 // C15orf48 // chromosome 15 open reading frame 48 // 15q21.1 // 84419	0.013096	0.009183	0.0242468	1.58E-05	1.35
8095886	NM_006419	CXCL13	NM_006419 // CXCL13 // chemokine (C-X-C motif) ligand 13 // 4q21 // 10563 /// EN	0.197643	0.094569	0.627355	1.59E-05	2.13
8132250	NM_133468	BMPER	NM_133468 // BMPER // BMP binding endothelial regulator // 7p14.3 // 168667 ///	0.416038	0.01063	0.0196587	1.59E-05	-1.37
8103064	NM_031956	TTC29	NM_031956 // TTC29 // tetratricopeptide repeat domain 29 // 4q31.22 // 83894 ///	0.559028	0.327227	0.988365	1.61E-05	1.84

8022045	NM_003803	MYOM1	NM_003803 // MYOM1 // myomesin 1, 185kDa // 18p11.31 // 8736 /// NM_019856 // MY	0.081378	0.24764	0.447567	1.61E-05	1.37
8094778	NM_004181	UCHL1	NM_004181 // UCHL1 // ubiquitin carboxyl-terminal esterase L1 (ubiquitin thioles	0.017173	0.446523	0.403582	1.61E-05	1.36
7911578	NM_024011	CDK11A	NM_024011 // CDK11A // cyclin-dependent kinase 11A // 1p36.33 // 728642 /// NM_0	0.127039	0.291248	0.947443	1.61E-05	-1.27
8151032	NM_003878	GGH	NM_003878 // GGH // gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl	0.22361	0.846402	0.769826	1.62E-05	1.48
8166065	NM_138636	TLR8	NM_138636 // TLR8 // toll-like receptor 8 // Xp22 // 51311 /// ENST00000218032 /	0.862532	0.984156	0.204479	1.63E-05	-1.43
8128553	NM_147147	BVES	NM_147147 // BVES // blood vessel epicardial substance // 6q21 // 11149 /// NM_0	0.006343	0.376872	0.380114	1.63E-05	-1.26
7961215	NM_018423	STYK1	NM_018423 // STYK1 // serine/threonine/tyrosine kinase 1 // 12p13.2 // 55359 ///	0.168839	0.092342	0.888293	1.63E-05	1.22
8151609	NM_172239	REXO1L1	NM_172239 // REXO1L1 // REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 1 /	0.787985	0.286211	0.0210322	1.63E-05	-1.58
8083749	NM_139245	PPM1L	NM_139245 // PPM1L // protein phosphatase, Mg2+/Mn2+ dependent, 1L // 3q26.1 //	0.124429	0.784642	0.493348	1.65E-05	-1.23
8161270	NM_147195	ANKRD18A	NM_147195 // ANKRD18A // ankyrin repeat domain 18A // 9p13.1 // 253650 /// ENST0	0.37576	0.463084	0.268416	1.65E-05	1.47
8085732	NM_144715	EFHB	NM_144715 // EFHB // EF-hand domain family, member B // 3p24.3 // 151651 /// ENS	0.344168	0.15414	0.996081	1.65E-05	2.25

8033002	NM_004793	LONP1	NM_004793 // LONP1 // lon peptidase 1, mitochondrial // 19p13.2 // 9361 /// ENST	0.003452	0.183075	0.44657	1.66E-05	-1.20
7939411	AK290833	C11orf74	AK290833 // C11orf74 // chromosome 11 open reading frame 74 // 11p12 // 119710 /	0.182648	0.03306	0.749467	1.67E-05	1.40
8151310	NM_000503	EYA1	NM_000503 // EYA1 // eyes absent homolog 1 (Drosophila) // 8q13.3 // 2138 /// NM	0.251611	0.251848	0.884577	1.67E-05	1.82
8100026	NM_006095	ATP8A1	NM_006095 // ATP8A1 // ATPase, aminophospholipid transporter (APLT), class I, ty	0.797333	0.133876	0.760605	1.68E-05	-1.40
7988625	NM_152647	C15orf33	NM_152647 // C15orf33 // chromosome 15 open reading frame 33 // 15q21.2 // 19695	0.280236	0.16949	0.997984	1.69E-05	1.32
8157804	NM_182487	OLFML2A	NM_182487 // OLFML2A // olfactomedin-like 2A // 9q33.3 // 169611 /// ENST0000037	0.23496	0.152613	0.0487971	1.70E-05	-1.26
7999384	---		---	0.094314	0.093335	0.840207	1.72E-05	-1.63
8012908	NM_031898	TEKT3	NM_031898 // TEKT3 // tektin 3 // 17p12 // 64518 /// ENST00000395930 // TEKT3 //	0.243441	0.244469	0.865317	1.72E-05	1.39
8005110	NM_020652	ZNF286A	NM_020652 // ZNF286A // zinc finger protein 286A // 17p11.2 // 57335 /// NM_0011	0.164386	0.22379	0.529427	1.73E-05	1.25
8147573	NM_001142462	OSR2	NM_001142462 // OSR2 // odd-skipped related 2 (Drosophila) // 8q22.2 // 116039 /	0.709295	0.656054	0.868474	1.74E-05	1.36
8141263	NM_001145715	KPNA7	NM_001145715 // KPNA7 // karyopherin alpha 7 (importin alpha 8) // 7q22.1 // 402	0.216047	0.668438	0.889679	1.75E-05	1.35
8143448	NR_015392	FLJ40852	NR_015392 // FLJ40852 // hypothetical LOC285962 // 7q34 // 285962 /// BC101359 /	0.539793	0.412937	0.784012	1.77E-05	1.25

8122724	NM_025218	ULBP1	NM_025218 // ULBP1 // UL16 binding protein 1 // 6q25 // 80329 /// ENST0000022970	0.932119	0.886608	0.833841	1.77E-05	-1.33
8036813	NM_001005851	ZNF780B	NM_001005851 // ZNF780B // zinc finger protein 780B // 19q13.2 // 163131 /// ENS	0.004842	0.017976	0.900763	1.79E-05	1.38
8077299	NM_014461	CNTN6	NM_014461 // CNTN6 // contactin 6 // 3p26-p25 // 27255 /// ENST00000446702 // CN	0.076252	0.089915	0.287443	1.80E-05	-1.55
7979583	NM_001040275	ESR2	NM_001040275 // ESR2 // estrogen receptor 2 (ER beta) // 14q23.2 // 2100 /// NM_	0.311564	0.956562	0.288788	1.80E-05	1.23
8002029	NM_013304	ZDHHC1	NM_013304 // ZDHHC1 // zinc finger, DHHC-type containing 1 // 16q22.1 // 29800 /	0.758616	0.633735	0.602539	1.80E-05	1.22
7942123	NM_053056	CCND1	NM_053056 // CCND1 // cyclin D1 // 11q13 // 595 /// ENST00000227507 // CCND1 //	0.969451	0.017971	0.14891	1.81E-05	1.31
8139737	NM_004577	PSPH	NM_004577 // PSPH // phosphoserine phosphatase // 7p11.2 // 5723 /// ENST0000039	0.701954	0.066367	0.886145	1.83E-05	1.22
8138258	NM_001135924	VWDE	NM_001135924 // VWDE // von Willebrand factor D and EGF domains // 7p21.3 // 221	0.175717	0.050118	0.202428	1.83E-05	1.26
8001953	NM_178516	EXOC3L	NM_178516 // EXOC3L // exocyst complex component 3-like // 16q22.1 // 283849 ///	0.72463	0.106621	0.306929	1.83E-05	-1.23
7974771	NM_022495	C14orf135	NM_022495 // C14orf135 // chromosome 14 open reading frame 135 // 14q23.1 // 644	0.068525	0.120412	0.978595	1.84E-05	1.27
8148220	NM_001039112	FER1L6	NM_001039112 // FER1L6 // fer-1-like 6 (C. elegans) // 8q24.1 // 654463 /// ENST	0.13657	0.66399	0.619536	1.84E-05	1.33

7952249	NM_004205	USP2	NM_004205 // USP2 // ubiquitin specific peptidase 2 // 11q23.3 // 9099 /// NM_17	0.540916	0.940976	0.895185	1.84E-05	1.34
7918694	NM_001010922	BCL2L15	NM_001010922 // BCL2L15 // BCL2-like 15 // 1p13.2 // 440603 /// ENST00000393316	0.446936	0.007046	0.504014	1.85E-05	1.29
8141846	NM_145032	FBXL13	NM_145032 // FBXL13 // F-box and leucine-rich repeat protein 13 // 7q22.1 // 222	0.67477	0.093166	0.69647	1.85E-05	1.52
7916364	NM_001010978	LDLRAD1	NM_001010978 // LDLRAD1 // low density lipoprotein receptor class A domain conta	0.310638	0.216738	0.996159	1.86E-05	1.80
8123802	NM_201280	MUTED	NM_201280 // MUTED // muted homolog (mouse) // 6p25.1-p24.3 // 63915 /// NM_0308	0.378811	0.239425	0.406655	1.86E-05	1.31
7932733	NM_173576	MKX	NM_173576 // MKX // mohawk homeobox // 10p12.1 // 283078 /// ENST00000419761 //	0.185251	0.51251	0.616283	1.86E-05	1.35
8066279	NM_015035	ZHX3	NM_015035 // ZHX3 // zinc fingers and homeoboxes 3 // 20q12 // 23051 /// ENST000	0.129689	0.403043	0.720344	1.86E-05	-1.23
8052233	NM_152385	C2orf63	NM_152385 // C2orf63 // chromosome 2 open reading frame 63 // 2p16.1 // 130162 /	0.034877	0.02344	0.504805	1.86E-05	1.46
8160771	NM_194313	KIF24	NM_194313 // KIF24 // kinesin family member 24 // 9p13.3 // 347240 /// ENST00000	0.807298	0.115811	0.958667	1.88E-05	1.31
8138834	NM_017946	FKBP14	NM_017946 // FKBP14 // FK506 binding protein 14, 22 kDa // 7p14.3 // 55033 /// E	0.894613	0.06393	0.81395	1.88E-05	1.41
8122807	NM_005100	AKAP12	NM_005100 // AKAP12 // A kinase (PRKA) anchor protein 12 // 6q24-q25 // 9590 ///	0.559945	0.08556	0.574198	1.89E-05	-1.40

7928171	NM_003901	SGPL1	NM_003901 // SGPL1 // sphingosine-1-phosphate lyase 1 // 10q21 // 8879 /// ENST0	0.077987	0.497847	0.504987	1.90E-05	1.28
7981982	NR_003332	SNORD116-1	NR_003332 // SNORD116-17 // small nucleolar RNA, C/D box 116-17 // 15q11.2 // 10	0.160508	0.765289	0.531842	1.90E-05	1.31
7981986	NR_003332	SNORD116-1	NR_003332 // SNORD116-17 // small nucleolar RNA, C/D box 116-17 // 15q11.2 // 10	0.160508	0.765289	0.531842	1.90E-05	1.31
8133531	NR_027775	PMS2P5	NR_027775 // PMS2P5 // postmeiotic segregation increased 2 pseudogene 5 // 7q11.	0.145484	0.117666	0.0288552	1.91E-05	1.29
8157800	NR_029611	MIR181A2	NR_029611 // MIR181A2 // microRNA 181a-2 // 9q33.3 // 406954	0.342577	0.815906	0.634977	1.92E-05	1.34
8118345	NM_001710	CFB	NM_001710 // CFB // complement factor B // 6p21.3 // 629 /// ENST00000425368 //	0.039233	0.0989	0.0738647	1.94E-05	1.72
7940824	NM_024771	NAA40	NM_024771 // NAA40 // N(alpha)-acetyltransferase 40, NatD catalytic subunit, hom	0.516495	0.250823	0.624168	1.95E-05	1.25
8154381	NM_203403	C9orf150	NM_203403 // C9orf150 // chromosome 9 open reading frame 150 // 9p23 // 286343 /	0.111169	0.701651	0.473266	1.95E-05	-1.25
8105013	NM_152403	EGFLAM	NM_152403 // EGFLAM // EGF-like, fibronectin type III and laminin G domains // 5	0.46503	0.733612	0.874646	1.96E-05	1.28
7995729	NR_003276	CES1P1	NR_003276 // CES1P1 // carboxylesterase 1 pseudogene 1 // 16q12.2 // 51716 /// B	0.186126	0.100211	0.317085	1.96E-05	-1.28
7908481	NM_021023	CFHR3	NM_021023 // CFHR3 // complement factor H-related 3 // 1q32 // 10878 /// NM_0011	0.861201	0.100279	0.614022	1.97E-05	1.25

8117900	NM_001954	DDR1	NM_001954 // DDR1 // discoidin domain receptor tyrosine kinase 1 // 6p21.3 // 78	0.114259	0.629463	0.993067	1.98E-05	1.33
7986195	NM_014848	SV2B	NM_014848 // SV2B // synaptic vesicle glycoprotein 2B // 15q26.1 // 9899 /// NM_	0.830154	0.323461	0.629297	1.99E-05	1.30
7900235	NM_012090	MACF1	NM_012090 // MACF1 // microtubule-actin crosslinking factor 1 // 1p32-p31 // 234	0.024354	0.052365	0.0867696	1.99E-05	-1.30
8079334	NM_014240	LIMD1	NM_014240 // LIMD1 // LIM domains containing 1 // 3p21.3 // 8994 /// ENST0000027	0.075175	0.060093	0.459097	2.01E-05	-1.24
8174527	NM_014289	CAPN6	NM_014289 // CAPN6 // calpain 6 // Xq23 // 827 /// ENST00000324068 // CAPN6 // c	0.643083	0.892285	0.93818	2.02E-05	1.21
7968637	NM_003914	CCNA1	NM_003914 // CCNA1 // cyclin A1 // 13q12.3-q13 // 8900 /// NM_001111045 // CCNA1	0.889681	0.412686	0.457507	2.02E-05	1.63
7981958	NR_003320	SNORD116-5	NR_003320 // SNORD116-5 // small nucleolar RNA, C/D box 116-5 // 15q11.2 // 1000	0.953295	0.804345	0.352911	2.02E-05	1.44
7981962	NR_003320	SNORD116-5	NR_003320 // SNORD116-5 // small nucleolar RNA, C/D box 116-5 // 15q11.2 // 1000	0.953295	0.804345	0.352911	2.02E-05	1.44
7964810	NM_017440	MDM1	NM_017440 // MDM1 // Mdm1 nuclear protein homolog (mouse) // 12q15 // 56890 ///	0.014863	0.022733	0.907185	2.04E-05	1.43
7900699	NM_001255	CDC20	NM_001255 // CDC20 // cell division cycle 20 homolog (S. cerevisiae) // 1p34.1 /	0.000909	0.27839	0.0899536	2.04E-05	1.23
8013771	NM_138463	TLCD1	NM_138463 // TLCD1 // TLC domain containing 1 // 17q11.2 // 116238 /// NM_001160	0.045292	0.826726	0.507782	2.05E-05	-1.21

8128788	NM_001145128	AKD1	NM_001145128 // AKD1 // adenylate kinase domain containing 1 // 6q21 // 221264 /	0.765794	0.500757	0.997047	2.06E-05	1.44
8150846	NM_152417	TMEM68	NM_152417 // TMEM68 // transmembrane protein 68 // 8q12.1 // 137695 /// ENST0000	0.111277	0.160852	0.645262	2.07E-05	1.28
8164766	NM_152572	C9orf98	NM_152572 // C9orf98 // chromosome 9 open reading frame 98 // 9q34.13 // 158067	0.381178	0.346598	0.967419	2.07E-05	1.53
7919780	NM_018178	GOLPH3L	NM_018178 // GOLPH3L // golgi phosphoprotein 3-like // 1q21.3 // 55204 /// ENST0	0.036817	0.348991	0.585119	2.08E-05	1.28
8150276	NM_001102559	PPAPDC1B	NM_001102559 // PPAPDC1B // phosphatidic acid phosphatase type 2 domain containi	0.531337	0.126016	0.815391	2.08E-05	1.25
8169389	NM_002578	PAK3	NM_002578 // PAK3 // p21 protein (Cdc42/Rac)-activated kinase 3 // Xq23 // 5063	0.13639	0.662121	0.740932	2.08E-05	1.25
8119882	NM_152732	RSPH9	NM_152732 // RSPH9 // radial spoke head 9 homolog (Chlamydomonas) // 6p21.1 // 2	0.936141	0.757944	0.989138	2.08E-05	1.44
7907549	NM_022093	TNN	NM_022093 // TNN // tenascin N // 1q23-q24 // 63923 /// ENST00000239462 // TNN /	0.402722	0.587955	0.536735	2.08E-05	1.35
7912575	NM_001013407	PRAMEF5	NM_001013407 // PRAMEF5 // PRAME family member 5 // 1p36.21 // 343068 /// NM_001	0.703025	0.600928	0.0023506	2.11E-05	-1.34
7898007	NM_001013407	PRAMEF5	NM_001013407 // PRAMEF5 // PRAME family member 5 // 1p36.21 // 343068 /// NM_001	0.703025	0.600928	0.0023506	2.11E-05	-1.34
7993622	NM_001034841	ITPRIPL2	NM_001034841 // ITPRIPL2 // inositol 1,4,5-triphosphate receptor interacting pro	0.471419	0.410069	0.746324	2.13E-05	-1.26

8146468	NM_006269	RP1	NM_006269 // RP1 // retinitis pigmentosa 1 (autosomal dominant) // 8q12.1 // 610	0.025793	0.313332	0.830235	2.14E-05	2.23
8078690	NM_007335	DLEC1	NM_007335 // DLEC1 // deleted in lung and esophageal cancer 1 // 3p21.3 // 9940	0.158142	0.233985	0.842412	2.14E-05	1.98
8129677	NM_001143676	SGK1	NM_001143676 // SGK1 // serum/glucocorticoid regulated kinase 1 // 6q23 // 6446	0.5812	0.271419	0.864995	2.14E-05	-1.45
8007707	NM_213607	CCDC103	NM_213607 // CCDC103 // coiled-coil domain containing 103 // 17q21.31 // 388389	0.43791	0.227083	0.965995	2.14E-05	1.60
8025058	NM_004240	TRIP10	NM_004240 // TRIP10 // thyroid hormone receptor interactor 10 // 19p13.3 // 9322	0.344636	0.938005	0.435043	2.15E-05	-1.22
8037775	NM_000960	PTGIR	NM_000960 // PTGIR // prostaglandin I2 (prostacyclin) receptor (IP) // 19q13.3 /	0.590754	0.132237	0.185152	2.15E-05	-1.26
8006736	NM_007026	DUSP14	NM_007026 // DUSP14 // dual specificity phosphatase 14 // 17q12 // 11072 /// ENS	0.052722	0.915471	0.826526	2.17E-05	1.30
7908639	NM_018265	C1orf106	NM_018265 // C1orf106 // chromosome 1 open reading frame 106 // 1q32.1 // 55765	0.734622	0.571524	0.754555	2.17E-05	1.24
7981335	NM_001017963	HSP90AA1	NM_001017963 // HSP90AA1 // heat shock protein 90kDa alpha (cytosolic), class A	0.397911	0.205055	0.680286	2.17E-05	1.26
8073056	NM_145699	APOBEC3A	NM_145699 // APOBEC3A // apolipoprotein B mRNA editing enzyme, catalytic polypep	0.275858	0.38995	0.768938	2.17E-05	-1.34
7920354	NM_014856	DENND4B	NM_014856 // DENND4B // DENN/MADD domain containing 4B // 1q21 // 9909 /// ENST0	0.458456	0.434242	0.021182	2.18E-05	-1.22
8161580	---		---	0.307642	0.648931	0.206769	2.19E-05	1.47

8059580	NM_139072	DNER	NM_139072 // DNER // delta/notch-like EGF repeat containing // 2q36.3 // 92737 /	0.923436	0.117374	0.660976	2.19E-05	1.78
7919269	NR_004430	RNU1-1	NR_004430 // RNU1-1 // RNA, U1 small nuclear 1 // 1p36.1 // 26871 /// NR_004427	0.241471	0.036562	0.984194	2.22E-05	1.59
7919349	NR_004430	RNU1-1	NR_004430 // RNU1-1 // RNA, U1 small nuclear 1 // 1p36.1 // 26871 /// NR_004427	0.241471	0.036562	0.984194	2.22E-05	1.59
8009493	NM_170742	KCNJ16	NM_170742 // KCNJ16 // potassium inwardly-rectifying channel, subfamily J, membe	0.41449	0.590927	0.979039	2.22E-05	1.76
8171205	NM_020742	NLGN4X	NM_020742 // NLGN4X // neuroligin 4, X-linked // Xp22.33 // 57502 /// NM_181332	0.529507	0.053281	0.0161955	2.23E-05	-1.38
8003193	BC093665	FAM92B	BC093665 // FAM92B // family with sequence similarity 92, member B // 16q24.1 //	0.378628	0.377745	0.98994	2.23E-05	1.54
8027862	NM_005306	FFAR2	NM_005306 // FFAR2 // free fatty acid receptor 2 // 19q13.1 // 2867 /// ENST0000	0.028089	0.23113	0.371865	2.23E-05	-1.44
8165024	NM_001048265	C9orf116	NM_001048265 // C9orf116 // chromosome 9 open reading frame 116 // 9q34.3 // 138	0.627575	0.367897	0.891681	2.24E-05	1.47
8078397	NM_178868	CMTM8	NM_178868 // CMTM8 // CKLF-like MARVEL transmembrane domain containing 8 // 3p22	0.074606	0.072012	0.792099	2.24E-05	-1.25
8020347	---		---	0.285846	0.171024	0.412189	2.24E-05	1.33
8129317	NM_020755	SERINC1	NM_020755 // SERINC1 // serine incorporator 1 // 6q22.31 // 57515 /// ENST000003	0.025977	0.796162	0.018497	2.28E-05	-1.25
7909371	NM_000573	CR1	NM_000573 // CR1 // complement component (3b/4b) receptor 1 (Knops blood group)	0.005684	0.848788	0.849027	2.28E-05	-1.59

7929976	NM_015448	DPCD	NM_015448 // DPCD // deleted in primary ciliary dyskinesia homolog (mouse) // 10	0.566064	0.618233	0.693868	2.29E-05	1.40
8010328	NM_017950	CCDC40	NM_017950 // CCDC40 // coiled-coil domain containing 40 // 17q25.3 // 55036 ///	0.279688	0.062934	0.915401	2.31E-05	1.43
7963880	NM_001144996	ITGA7	NM_001144996 // ITGA7 // integrin, alpha 7 // 12q13 // 3679 /// NM_002206 // ITG	0.987757	0.154457	0.260879	2.32E-05	1.56
7927529	NM_002443	MSMB	NM_002443 // MSMB // microseminoprotein, beta- // 10q11.2 // 4477 /// NM_138634	0.277112	0.116992	0.404648	2.33E-05	3.17
7901993	NM_020925	CACHD1	NM_020925 // CACHD1 // cache domain containing 1 // 1p31.3 // 57685 /// ENST0000	0.157774	0.85194	0.846634	2.35E-05	1.44
8109629	NM_001040442	FABP6	NM_001040442 // FABP6 // fatty acid binding protein 6, ileal // 5q33.3-q34 // 21	0.109579	0.624611	0.787236	2.35E-05	1.56
8170428	NM_000252	MTM1	NM_000252 // MTM1 // myotubularin 1 // Xq28 // 4534 /// ENST00000370396 // MTM1	0.015941	0.477573	0.0487338	2.36E-05	-1.21
8124440	NM_003534	HIST1H3G	NM_003534 // HIST1H3G // histone cluster 1, H3g // 6p21.3 // 8355	0.002032	0.608202	0.904924	2.36E-05	1.24
8031499	NM_001144950	SSC5D	NM_001144950 // SSC5D // scavenger receptor cysteine-rich glycoprotein // 19q13.	0.08118	0.366695	0.876304	2.36E-05	1.23
8145365	NM_024940	DOCK5	NM_024940 // DOCK5 // dedicator of cytokinesis 5 // 8p21.2 // 80005 /// ENST0000	0.383075	0.508243	0.116125	2.36E-05	-1.29
8020903	NM_020474	GALNT1	NM_020474 // GALNT1 // UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylga	0.12973	0.066608	0.318725	2.37E-05	1.29

8103622	NM_032783	CBR4	NM_032783 // CBR4 // carbonyl reductase 4 // 4q32.3 // 84869 /// ENST00000306193	0.020991	0.006165	0.630819	2.39E-05	1.25
7919747	---		---	0.285487	0.092628	0.885175	2.39E-05	-1.74
7922353	NM_178527	SLC9A11	NM_178527 // SLC9A11 // solute carrier family 9, member 11 // 1q25.1 // 284525 /	0.108168	0.232445	0.677137	2.40E-05	1.49
8020762	NM_001944	DSG3	NM_001944 // DSG3 // desmoglein 3 // 18q12.1 // 1830 /// ENST00000257189 // DSG3	0.112166	0.001329	0.316989	2.41E-05	1.68
7939056	NM_003986	BBOX1	NM_003986 // BBOX1 // butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-b	0.477174	0.028669	0.394969	2.44E-05	1.31
7928752	NM_014394	GHITM	NM_014394 // GHITM // growth hormone inducible transmembrane protein // 10q23.1	0.731638	0.791807	0.728841	2.44E-05	-1.20
8136495	NM_024926	TTC26	NM_024926 // TTC26 // tetratricopeptide repeat domain 26 // 7q34 // 79989 /// NM	0.31012	0.092189	0.992821	2.44E-05	1.65
7996117	NM_032269	CCDC135	NM_032269 // CCDC135 // coiled-coil domain containing 135 // 16q21 // 84229 ///	0.775166	0.241383	0.992646	2.46E-05	1.60
7953520	NM_201650	LRRC23	NM_201650 // LRRC23 // leucine rich repeat containing 23 // 12p13 // 10233 /// N	0.263333	0.272978	0.955964	2.47E-05	1.71
8082270	NM_182628	CCDC37	NM_182628 // CCDC37 // coiled-coil domain containing 37 // 3q21.3 // 348807 ///	0.47759	0.405665	0.558834	2.47E-05	1.42
8133049	NM_016220	ZNF107	NM_016220 // ZNF107 // zinc finger protein 107 // 7q11.2 // 51427 /// NM_0010137	0.013186	0.012687	0.290892	2.47E-05	1.25
7906552	NM_001231	CASQ1	NM_001231 // CASQ1 // calsequestrin 1 (fast-twitch, skeletal muscle) // 1q21 //	0.834688	0.03284	0.85114	2.48E-05	1.22

8165011	NM_002003	FCN1	NM_002003 // FCN1 // ficolin (collagen/fibrinogen domain containing) 1 // 9q34 /	0.385885	0.69247	0.826783	2.53E-05	-1.34
8169634	---		---	0.266226	0.209427	0.811874	2.54E-05	1.54
8056999	NM_152275	TTC30A	NM_152275 // TTC30A // tetratricopeptide repeat domain 30A // 2q31.2 // 92104 //	0.883105	0.055381	0.747919	2.54E-05	1.41
8034772	NM_018154	ASF1B	NM_018154 // ASF1B // ASF1 anti-silencing function 1 homolog B (S. cerevisiae) /	1.69E-05	0.44135	0.124249	2.56E-05	1.24
7989055	NM_130810	DYX1C1	NM_130810 // DYX1C1 // dyslexia susceptibility 1 candidate 1 // 15q21.3 // 16158	0.106699	0.381772	0.957185	2.56E-05	1.43
8054517	AK095678	LOC151009	AK095678 // LOC151009 // hypothetical LOC151009 // 2q13 // 151009 /// AK056084 /	0.819858	0.431378	0.989003	2.56E-05	1.46
8089596	NM_001164496	WDR52	NM_001164496 // WDR52 // WD repeat domain 52 // 3q13.2 // 55779 /// ENST00000393	0.027336	0.219131	0.921588	2.57E-05	1.72
8179184	NM_001954	DDR1	NM_001954 // DDR1 // discoidin domain receptor tyrosine kinase 1 // 6p21.3 // 78	0.120432	0.674272	0.983181	2.57E-05	1.34
7909027	NM_001005388	NFASC	NM_001005388 // NFASC // neurofascin // 1q32.1 // 23114 /// NM_001160332 // NFAS	0.008726	0.702001	0.250861	2.57E-05	1.30
7976084	NM_018418	SPATA7	NM_018418 // SPATA7 // spermatogenesis associated 7 // 14q31.3 // 55812 /// NM_0	0.061971	0.378249	0.882167	2.57E-05	1.27
7930482	NM_000681	ADRA2A	NM_000681 // ADRA2A // adrenergic, alpha-2A-, receptor // 10q24-q26 // 150 /// E	0.922519	0.671673	0.447892	2.59E-05	1.49
8163672	NM_002581	PAPPA	NM_002581 // PAPPA // pregnancy-associated plasma protein A, pappalysin 1 // 9q3	0.414026	0.028059	0.0772668	2.59E-05	1.34

7972297	NM_005845	ABCC4	NM_005845 // ABCC4 // ATP-binding cassette, sub-family C (CFTR/MRP), member 4 //	0.770159	0.679421	0.562892	2.61E-05	-1.29
8115600	NM_022090	C5orf54	NM_022090 // C5orf54 // chromosome 5 open reading frame 54 // 5q33.3 // 63920 //	0.005689	0.136747	0.51751	2.61E-05	1.38
7904025	NM_024494	WNT2B	NM_024494 // WNT2B // wingless-type MMTV integration site family, member 2B // 1	0.302425	0.441093	0.488344	2.63E-05	-1.25
8175234	NM_001164617	GPC3	NM_001164617 // GPC3 // glypican 3 // Xq26.1 // 2719 /// NM_004484 // GPC3 // gl	0.086364	0.009716	0.105598	2.66E-05	-1.50
8047788	NM_003812	ADAM23	NM_003812 // ADAM23 // ADAM metallopeptidase domain 23 // 2q33 // 8745 /// ENST0	0.920971	0.083925	0.159293	2.67E-05	1.38
7948881	NM_018093	WDR74	NM_018093 // WDR74 // WD repeat domain 74 // 11q12.3 // 54663 /// ENST0000027885	0.071345	0.781091	0.316081	2.67E-05	-1.20
8094340	NR_029631	MIR218-1	NR_029631 // MIR218-1 // microRNA 218-1 // 4p15.31 // 407000	9.61E-07	0.099322	0.551126	2.68E-05	-1.56
7932867	NM_001143770	ZNF438	NM_001143770 // ZNF438 // zinc finger protein 438 // 10p11.23 // 220929 /// NM_0	0.744971	0.192934	0.81521	2.68E-05	-1.24
8059350	NM_001039569	AP1S3	NM_001039569 // AP1S3 // adaptor-related protein complex 1, sigma 3 subunit // 2	0.846825	0.853316	0.452213	2.68E-05	1.21
7986463	NM_024652	LRRK1	NM_024652 // LRRK1 // leucine-rich repeat kinase 1 // 15q26.3 // 79705 /// ENST0	0.360649	0.418667	0.545373	2.68E-05	1.23
7918533	NM_020683	ADORA3	NM_020683 // ADORA3 // adenosine A3 receptor // 1p13.2 // 140 /// NM_001081976 /	0.538173	0.571149	0.353529	2.70E-05	-1.37

8033674	NM_024690	MUC16	NM_024690 // MUC16 // mucin 16, cell surface associated // 19p13.2 // 94025 ///	0.342139	0.05802	0.379028	2.71E-05	2.13
8149413	NM_182643	DLC1	NM_182643 // DLC1 // deleted in liver cancer 1 // 8p22 // 10395 /// NM_024767 //	0.883685	0.012436	0.211047	2.73E-05	-1.33
8023696	NM_006919	SERPINB3	NM_006919 // SERPINB3 // serpin peptidase inhibitor, clade B (ovalbumin), member	0.38558	0.046991	0.748954	2.74E-05	2.58
7915425	NM_032257	ZMYND12	NM_032257 // ZMYND12 // zinc finger, MYND-type containing 12 // 1p34.2 // 84217	0.341937	0.146679	0.965917	2.76E-05	1.61
8094719	NM_018177	N4BP2	NM_018177 // N4BP2 // NEDD4 binding protein 2 // 4p14 // 55728 /// ENST000002614	0.298153	0.810886	0.577917	2.77E-05	1.29
8026163	NM_004907	IER2	NM_004907 // IER2 // immediate early response 2 // 19p13.2 // 9592 /// ENST00000	0.112094	0.02118	0.267942	2.78E-05	-1.29
7939839	NM_002843	PTPRJ	NM_002843 // PTPRJ // protein tyrosine phosphatase, receptor type, J // 11p11.2	0.938754	0.700134	0.543189	2.78E-05	-1.29
7943867	NM_031938	BCO2	NM_031938 // BCO2 // beta-carotene oxygenase 2 // 11q22.3-q23.1 // 83875 /// NM_	0.05076	0.748814	0.86803	2.78E-05	1.46
8132917	NM_182633	ZNF713	NM_182633 // ZNF713 // zinc finger protein 713 // 7p11.2 // 349075 /// ENST00000	0.285247	0.189251	0.783679	2.83E-05	1.33
7949836	NM_005851	CDK2AP2	NM_005851 // CDK2AP2 // cyclin-dependent kinase 2 associated protein 2 // 11q13	0.116364	0.572175	0.467755	2.84E-05	-1.21
7916843	NM_018841	GNG12	NM_018841 // GNG12 // guanine nucleotide binding protein (G protein), gamma 12 /	0.517549	0.840034	0.0056811	2.84E-05	1.22

7921492	NM_001135050	IGSF9	NM_001135050 // IGSF9 // immunoglobulin superfamily, member 9 // 1q22-q23 // 575	0.206676	0.423853	0.593933	2.86E-05	1.21
7912316	NM_001079843	CASZ1	NM_001079843 // CASZ1 // castor zinc finger 1 // 1p36.22 // 54897 /// NM_017766	0.334225	0.32329	0.948914	2.87E-05	-1.23
8052382	NM_001114636	FANCL	NM_001114636 // FANCL // Fanconi anemia, complementation group L // 2p16.1 // 55	0.012086	0.621496	0.108647	2.87E-05	1.26
8054467	NM_144710	10-Sep	NM_144710 // SEPT10 // septin 10 // 2q13 // 151011 /// NM_178584 // SEPT10 // se	0.014603	0.175144	0.335682	2.89E-05	-1.23
7955729	NM_001170790	MFSD5	NM_001170790 // MFSD5 // major facilitator superfamily domain containing 5 // 12	0.054942	0.046637	0.846367	2.92E-05	-1.21
7938082	NM_001037329	CNGA4	NM_001037329 // CNGA4 // cyclic nucleotide gated channel alpha 4 // 11p15.4 // 1	0.888628	0.469402	0.925478	2.93E-05	1.65
8157216	NM_003358	UGCG	NM_003358 // UGCG // UDP-glucose ceramide glucosyltransferase // 9q31 // 7357 //	0.00176	0.525922	0.421552	2.94E-05	1.42
8156026	NM_001098802	CEP78	NM_001098802 // CEP78 // centrosomal protein 78kDa // 9q21.2 // 84131 /// NM_032	0.025493	0.632907	0.932081	2.95E-05	1.22
8071927	NM_005265	GGT1	NM_005265 // GGT1 // gamma-glutamyltransferase 1 // 22q11.23 // 2678 /// NM_0134	0.311939	0.040991	0.257949	2.96E-05	-1.23
8112478	NM_004536	NAIP	NM_004536 // NAIP // NLR family, apoptosis inhibitory protein // 5q13.1 // 4671	0.822041	0.069967	0.504794	2.96E-05	-1.42
8100310	---		---	0.701573	0.898901	0.0161892	2.96E-05	-2.56
7957478	NM_181783	TMTC3	NM_181783 // TMTC3 // transmembrane and tetratricopeptide repeat containing 3 //	0.471114	0.144996	0.0939266	3.00E-05	1.28

8091071	NM_004164	RBP2	NM_004164 // RBP2 // retinol binding protein 2, cellular // 3q23 // 5948 /// ENS	0.183169	0.034551	0.243128	3.01E-05	-1.28
8023212	NM_001039360	ZBTB7C	NM_001039360 // ZBTB7C // zinc finger and BTB domain containing 7C // 18q21.1 //	0.989595	0.984469	0.158757	3.02E-05	1.25
7938880	NM_001098520	HTATIP2	NM_001098520 // HTATIP2 // HIV-1 Tat interactive protein 2, 30kDa // 11p15.1 //	0.963806	0.895029	0.379438	3.05E-05	-1.24
8157153	NM_007203	PALM2-AKAF	NM_007203 // PALM2-AKAP2 // PALM2-AKAP2 readthrough // 9q31.3 // 445815 /// NM_1	0.880258	0.826315	0.658426	3.06E-05	-1.25
8041987	NM_001100396	C2orf73	NM_001100396 // C2orf73 // chromosome 2 open reading frame 73 // 2p16.2 // 12985	0.525006	0.188835	0.720966	3.07E-05	1.44
8116445	NM_182925	FLT4	NM_182925 // FLT4 // fms-related tyrosine kinase 4 // 5q35.3 // 2324 /// NM_0020	0.678276	0.020641	0.266202	3.07E-05	-1.28
7934906	NM_001141945	ACTA2	NM_001141945 // ACTA2 // actin, alpha 2, smooth muscle, aorta // 10q23.3 // 59 /	0.329604	0.519135	0.45702	3.11E-05	1.43
8131339	NM_003088	FSCN1	NM_003088 // FSCN1 // fascin homolog 1, actin-bundling protein (Strongylocentrot	0.056975	0.380442	0.944339	3.12E-05	1.26
8121193	NM_052904	KLHL32	NM_052904 // KLHL32 // kelch-like 32 (Drosophila) // 6q16.1 // 114792 /// ENST00	0.484717	0.230826	0.997077	3.13E-05	1.53
7909332	NM_001114752	CD55	NM_001114752 // CD55 // CD55 molecule, decay accelerating factor for complement	0.412059	0.003803	0.282936	3.14E-05	-1.32
8049544	NM_001137550	LRRFIP1	NM_001137550 // LRRFIP1 // leucine rich repeat (in FLII) interacting protein 1 /	0.009056	0.870363	0.568421	3.14E-05	-1.31

8141076	NM_000305	PON2	NM_000305 // PON2 // paraoxonase 2 // 7q21.3 // 5445 /// NM_001018161 // PON2 //	0.567648	0.622822	0.973247	3.15E-05	-1.32
7963289	NM_016293	BIN2	NM_016293 // BIN2 // bridging integrator 2 // 12q13 // 51411 /// ENST00000267012	0.866015	0.956736	0.793727	3.16E-05	-1.40
7905464	NM_001144956	C1orf230	NM_001144956 // C1orf230 // chromosome 1 open reading frame 230 // 1q21.3 // 284	0.687573	0.160754	0.716082	3.16E-05	1.33
7972661	---		---	0.019361	0.343748	0.459031	3.20E-05	1.57
8097692	NM_001957	EDNRA	NM_001957 // EDNRA // endothelin receptor type A // 4q31.22 // 1909 /// NM_00116	0.418752	0.369548	0.473733	3.20E-05	1.39
8067798	NM_018419	SOX18	NM_018419 // SOX18 // SRY (sex determining region Y)-box 18 // 20q13.33 // 54345	0.403293	0.907014	0.34498	3.20E-05	-1.31
7969531	---		---	0.010621	0.232182	0.809013	3.20E-05	-1.46
7918552	NM_019099	C1orf183	NM_019099 // C1orf183 // chromosome 1 open reading frame 183 // 1p13.2 // 55924	0.357399	0.959072	0.61039	3.21E-05	-1.24
7989493	NM_015920	RPS27L	NM_015920 // RPS27L // ribosomal protein S27-like // 15q22.2 // 51065 /// ENST00	0.131127	0.604449	0.244529	3.21E-05	1.23
7918426	NM_004696	SLC16A4	NM_004696 // SLC16A4 // solute carrier family 16, member 4 (monocarboxylic acid	0.498427	0.612429	0.076337	3.23E-05	1.29
8041940	NM_172311	STON1-GTF2	NM_172311 // STON1-GTF2A1L // STON1-GTF2A1L readthrough // 2p16.3 // 286749 ///	0.301412	0.314107	0.581221	3.23E-05	-1.47
7934842	NM_024756	MMRN2	NM_024756 // MMRN2 // multimerin 2 // 10q23.2 // 79812 /// ENST00000372027 // MM	0.060324	0.00711	0.0432963	3.25E-05	-1.34

8042519	NM_016297	PCYOX1	NM_016297 // PCYOX1 // prenylcysteine oxidase 1 // 2p13.3 // 51449 /// ENST00000	0.135099	0.084497	0.292612	3.25E-05	-1.23
7912555	NM_001009611	PRAMEF4	NM_001009611 // PRAMEF4 // PRAME family member 4 // 1p36.21 // 400735 /// NM_001	0.791375	0.513272	0.0014425	3.25E-05	-1.36
7922804	NM_203454	APOBEC4	NM_203454 // APOBEC4 // apolipoprotein B mRNA editing enzyme, catalytic polypept	0.868425	0.136537	0.528159	3.27E-05	1.62
7947138	NM_022725	FANCF	NM_022725 // FANCF // Fanconi anemia, complementation group F // 11p15 // 2188 /	0.644019	0.014793	0.363021	3.27E-05	1.32
8068238	NM_207585	IFNAR2	NM_207585 // IFNAR2 // interferon (alpha, beta and omega) receptor 2 // 21q22.1|	0.024985	0.055809	0.360282	3.27E-05	1.27
8157905	NM_033446	FAM125B	NM_033446 // FAM125B // family with sequence similarity 125, member B // 9q33.3	0.161149	0.036242	0.645079	3.28E-05	-1.21
7936463	NM_002313	ABLIM1	NM_002313 // ABLIM1 // actin binding LIM protein 1 // 10q25 // 3983 /// NM_00100	0.010443	0.05636	0.19314	3.29E-05	-1.22
7965110	---		---	0.023757	0.105894	0.311264	3.30E-05	-1.67
7953949	NM_002262	KLRD1	NM_002262 // KLRD1 // killer cell lectin-like receptor subfamily D, member 1 //	0.137976	0.010529	0.654247	3.33E-05	-1.47
8106325	---		---	0.087759	0.377844	0.181085	3.35E-05	1.37
8088292	NM_130387	ASB14	NM_130387 // ASB14 // ankyrin repeat and SOCS box-containing 14 // 3p21.1 // 142	0.221102	0.388288	0.692977	3.38E-05	1.58
7970569	NM_014363	SACS	NM_014363 // SACS // spastic ataxia of Charlevoix-Saguenay (sacsin) // 13q12 //	0.816059	0.412723	0.40383	3.41E-05	1.36
8096425	NM_001145065	FAM190A	NM_001145065 // FAM190A // family with sequence similarity 190, member A // 4q22	0.442886	0.81989	0.890401	3.42E-05	1.24

7975971	NM_001010860	SAMD15	NM_001010860 // SAMD15 // sterile alpha motif domain containing 15 // 14q24.3 //	0.892397	0.150523	0.820152	3.45E-05	1.57
8139656	NM_001001555	GRB10	NM_001001555 // GRB10 // growth factor receptor-bound protein 10 // 7p12.2 // 28	0.66243	0.161468	0.984731	3.46E-05	-1.27
8151605	AF495523	REXO1L1	AF495523 // REXO1L1 // REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 1 //	0.835489	0.382915	0.071595	3.48E-05	-1.70
8151613	AF495523	REXO1L1	AF495523 // REXO1L1 // REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 1 //	0.835489	0.382915	0.071595	3.48E-05	-1.70
8151617	AF495523	REXO1L1	AF495523 // REXO1L1 // REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 1 //	0.835489	0.382915	0.071595	3.48E-05	-1.70
8151621	AF495523	REXO1L1	AF495523 // REXO1L1 // REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 1 //	0.835489	0.382915	0.071595	3.48E-05	-1.70
8151625	AF495523	REXO1L1	AF495523 // REXO1L1 // REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 1 //	0.835489	0.382915	0.071595	3.48E-05	-1.70
7908968	NM_017773	LAX1	NM_017773 // LAX1 // lymphocyte transmembrane adaptor 1 // 1q32.1 // 54900 /// N	0.315178	0.733753	0.809584	3.49E-05	1.49
8090817	NM_025041	C3orf36	NM_025041 // C3orf36 // chromosome 3 open reading frame 36 // 3q22.1 // 80111 //	0.581855	0.611087	0.633952	3.51E-05	-1.37
8112045	NM_007036	ESM1	NM_007036 // ESM1 // endothelial cell-specific molecule 1 // 5q11.2 // 11082 ///	0.417025	0.285597	0.635261	3.53E-05	-1.75
8133442	NM_032464	LAT2	NM_032464 // LAT2 // linker for activation of T cells family, member 2 // 7q11.2	0.499602	0.571016	0.48141	3.54E-05	-1.24

8041561	NM_001145450	MORN2	NM_001145450 // MORN2 // MORN repeat containing 2 // 2p22.1 // 729967 /// ENST00	0.740341	0.232632	0.944085	3.55E-05	1.64
7925531	NM_181690	AKT3	NM_181690 // AKT3 // v-akt murine thymoma viral oncogene homolog 3 (protein kina	0.015808	0.838305	0.980959	3.57E-05	-1.32
7967386	NM_022782	MPHOSPH9	NM_022782 // MPHOSPH9 // M-phase phosphoprotein 9 // 12q24.31 // 10198 /// ENST0	0.344271	0.032343	0.775614	3.59E-05	1.25
8004416	NM_000747	CHRNB1	NM_000747 // CHRNB1 // cholinergic receptor, nicotinic, beta 1 (muscle) // 17p13	0.260781	0.86184	0.695182	3.63E-05	1.24
7993664	NM_014711	CP110	NM_014711 // CP110 // CP110 protein // 16p12.3 // 9738 /// ENST00000396212 // CP	0.1885	0.017506	0.891651	3.63E-05	1.45
8026679	NM_018467	USE1	NM_018467 // USE1 // unconventional SNARE in the ER 1 homolog (S. cerevisiae) //	0.217081	0.316157	0.701082	3.63E-05	-1.20
8160297	NM_001122	PLIN2	NM_001122 // PLIN2 // perilipin 2 // 9p22.1 // 123 /// ENST00000276914 // PLIN2	0.011282	0.188829	0.094684	3.65E-05	-1.43
8169603	NM_001031855	LONRF3	NM_001031855 // LONRF3 // LON peptidase N-terminal domain and ring finger 3 // X	0.112616	0.153076	0.0204657	3.67E-05	-1.44
7942061	---		---	0.562087	0.366419	0.926279	3.68E-05	-1.28
8086555	NM_020347	LZTFL1	NM_020347 // LZTFL1 // leucine zipper transcription factor-like 1 // 3p21.3 // 5	0.356957	0.142028	0.895899	3.68E-05	1.32
7972936	NM_182614	FAM70B	NM_182614 // FAM70B // family with sequence similarity 70, member B // 13q34 //	0.102592	0.579705	0.0227676	3.69E-05	-1.21
8071861	NM_019601	SUSD2	NM_019601 // SUSD2 // sushi domain containing 2 // 22q11-q12 // 56241 /// ENST00	0.393356	0.00542	0.14327	3.73E-05	-1.55

7911659	NM_001080484	KIAA1751	NM_001080484 // KIAA1751 // KIAA1751 // 1p36.33 // 85452 /// ENST00000270720 //	0.486557	0.215787	0.938432	3.76E-05	1.61
8075182	NM_005080	XBP1	NM_005080 // XBP1 // X-box binding protein 1 // 22q12.1|22q12 // 7494 /// NM_001	0.004157	0.237943	0.499131	3.77E-05	1.28
8151824	NM_012415	RAD54B	NM_012415 // RAD54B // RAD54 homolog B (S. cerevisiae) // 8q22.1 // 25788 /// EN	0.055078	0.187449	0.585147	3.78E-05	1.21
8098441	NM_001080477	ODZ3	NM_001080477 // ODZ3 // odz, odd Oz/ten-m homolog 3 (Drosophila) // 4q35.1 // 55	0.486066	0.072542	0.0451483	3.80E-05	1.35
7981949	NR_003316	SNORD116-1	NR_003316 // SNORD116-1 // small nucleolar RNA, C/D box 116-1 // 15q11.2 // 1000	0.79638	0.588725	0.367313	3.81E-05	1.43
8128726	NM_173672	PPIL6	NM_173672 // PPIL6 // peptidylprolyl isomerase (cyclophilin)-like 6 // 6q21 // 2	0.221441	0.357153	0.994334	3.82E-05	1.89
8119898	NM_001025366	VEGFA	NM_001025366 // VEGFA // vascular endothelial growth factor A // 6p12 // 7422 //	0.275316	0.003957	0.646756	3.83E-05	-1.38
8143188	NM_194071	CREB3L2	NM_194071 // CREB3L2 // cAMP responsive element binding protein 3-like 2 // 7q34	0.924432	0.103568	0.895488	3.83E-05	1.29
8160879	NM_006274	CCL19	NM_006274 // CCL19 // chemokine (C-C motif) ligand 19 // 9p13 // 6363 /// ENST00	0.021129	0.172766	0.673541	3.84E-05	1.65
8089606	NM_018338	WDR52	NM_018338 // WDR52 // WD repeat domain 52 // 3q13.2 // 55779 /// NM_001164496 //	0.019417	0.124847	0.941632	3.88E-05	1.70
8127065	NM_000846	GSTA2	NM_000846 // GSTA2 // glutathione S-transferase alpha 2 // 6p12.1 // 2939 /// EN	0.547512	0.080835	0.941761	3.88E-05	1.97

8076185	NM_175709	CBX7	NM_175709 // CBX7 // chromobox homolog 7 // 22q13.1 // 23492 /// ENST00000216133	0.002567	0.222004	0.316728	3.88E-05	-1.24
8090193	NM_020733	HEG1	NM_020733 // HEG1 // HEG homolog 1 (zebrafish) // 3q21.2 // 57493 /// ENST000003	0.115849	0.20382	0.344533	3.89E-05	-1.40
8070297	NM_001136154	ERG	NM_001136154 // ERG // v-ets erythroblastosis virus E26 oncogene homolog (avian)	0.091698	0.34473	0.394046	3.89E-05	-1.31
7905746	NM_080429	AQP10	NM_080429 // AQP10 // aquaporin 10 // 1q21.3 // 89872 /// ENST00000324978 // AQP	0.479972	0.278974	0.0284682	3.92E-05	-1.21
7944970	---		---	0.01285	0.616568	0.294154	3.93E-05	-1.65
7936516	NM_025015	HSPA12A	NM_025015 // HSPA12A // heat shock 70kDa protein 12A // 10q26.12 // 259217 /// E	0.54985	0.680604	0.993804	3.93E-05	1.21
8095697	NM_001511	CXCL1	NM_001511 // CXCL1 // chemokine (C-X-C motif) ligand 1 (melanoma growth stimulat	0.003606	0.741628	0.224641	3.94E-05	1.72
8063386	NM_005194	CEBPB	NM_005194 // CEBPB // CCAAT/enhancer binding protein (C/EBP), beta // 20q13.1 //	0.009151	0.06247	0.163586	3.94E-05	-1.24
7933372	NM_004962	GDF10	NM_004962 // GDF10 // growth differentiation factor 10 // 10q11.22 // 2662 /// E	0.132632	0.276329	0.885467	3.94E-05	-1.32
8130211	NM_182961	SYNE1	NM_182961 // SYNE1 // spectrin repeat containing, nuclear envelope 1 // 6q25 //	0.000715	0.430134	0.379213	3.94E-05	-1.32
8156633	NM_020893	C9orf174	NM_020893 // C9orf174 // chromosome 9 open reading frame 174 // 9q22.33 // 10049	0.036597	0.096897	0.520757	3.96E-05	1.37
8134730	NM_152755	CNPY4	NM_152755 // CNPY4 // canopy 4 homolog (zebrafish) // 7q22.1 // 245812 /// NM_00	0.068426	0.167402	0.543314	3.97E-05	1.21

7958960	NM_001143819	TPCN1	NM_001143819 // TPCN1 // two pore segment channel 1 // 12q24.13 // 53373 /// NM_	0.069994	0.505169	0.66494	3.99E-05	-1.24
8066619	NM_006227	PLTP	NM_006227 // PLTP // phospholipid transfer protein // 20q13.12 // 5360 /// NM_18	0.165202	0.767723	0.752139	4.03E-05	1.51
8165684	---		---	0.106456	0.859499	0.0911295	4.05E-05	-2.09
8097957	NM_000856	GUCY1A3	NM_000856 // GUCY1A3 // guanylate cyclase 1, soluble, alpha 3 // 4q31.3-q33|4q31	0.001393	0.415991	0.409361	4.06E-05	1.28
8126784	NM_001168357	PLA2G7	NM_001168357 // PLA2G7 // phospholipase A2, group VII (platelet-activating facto	0.119559	0.077365	0.710694	4.09E-05	2.01
7928602	NM_005411	SFTPA1	NM_005411 // SFTPA1 // surfactant protein A1 // 10q22.3 // 653509 /// NM_0010937	0.957326	0.177401	0.18834	4.11E-05	-1.59
7951385	NM_004347	CASP5	NM_004347 // CASP5 // caspase 5, apoptosis-related cysteine peptidase // 11q22.2	0.649653	0.451706	0.401748	4.12E-05	-1.50
7990151	NM_182470	PKM2	NM_182470 // PKM2 // pyruvate kinase, muscle // 15q22 // 5315 /// NM_182471 // P	0.000578	0.641711	0.250746	4.14E-05	1.20
7975813	---		---	0.211233	0.503236	0.681481	4.15E-05	-1.24
7932420	NM_014241	PTPLA	NM_014241 // PTPLA // protein tyrosine phosphatase-like (proline instead of cata	0.586024	0.303554	0.922022	4.15E-05	-1.24
7949454	NM_002419	MAP3K11	NM_002419 // MAP3K11 // mitogen-activated protein kinase kinase kinase 11 // 11q	0.888195	0.291596	0.383719	4.17E-05	-1.22
7928632	NM_005411	SFTPA1	NM_005411 // SFTPA1 // surfactant protein A1 // 10q22.3 // 653509 /// NM_0010937	0.945833	0.182797	0.196272	4.20E-05	-1.58

7998434	NM_003294	TPSAB1	NM_003294 // TPSAB1 // tryptase alpha/beta 1 // 16p13.3 // 7177 /// NM_024164 //	0.106272	0.245618	0.925664	4.20E-05	1.37
8043478	ENST00000471857	IGKV1D-8	ENST00000471857 // IGKV1D-8 // immunoglobulin kappa variable 1D-8 // 2p12 // 289	0.174497	0.797167	0.441064	4.21E-05	1.59
8177867	NM_001954	DDR1	NM_001954 // DDR1 // discoidin domain receptor tyrosine kinase 1 // 6p21.3 // 78	0.185036	0.685914	0.988354	4.24E-05	1.34
7926596	NM_012071	COMMD3	NM_012071 // COMMD3 // COMM domain containing 3 // 10pter-q22.1 // 23412 /// ENS	0.648147	0.992686	0.306486	4.24E-05	1.22
8162514	NM_000136	FANCC	NM_000136 // FANCC // Fanconi anemia, complementation group C // 9q22.3 // 2176	0.045439	0.356315	0.660311	4.24E-05	-1.24
8150901	NM_006211	PENK	NM_006211 // PENK // proenkephalin // 8q23-q24 // 5179 /// NM_001135690 // PENK	0.374224	0.645597	0.762516	4.29E-05	1.40
8178833	NM_002120	HLA-DOB	NM_002120 // HLA-DOB // major histocompatibility complex, class II, DO beta // 6	0.859832	0.771273	0.179264	4.29E-05	1.48
7943103	NM_181645	CCDC67	NM_181645 // CCDC67 // coiled-coil domain containing 67 // 11q21 // 159989 /// E	0.865764	0.086448	0.904298	4.30E-05	1.34
8133961	NM_138290	RUNDC3B	NM_138290 // RUNDC3B // RUN domain containing 3B // 7q21.12 // 154661 /// NM_001	0.08699	0.593377	0.399602	4.32E-05	1.40
7929616	NM_005479	FRAT1	NM_005479 // FRAT1 // frequently rearranged in advanced T-cell lymphomas // 10q2	0.483639	0.064408	0.19556	4.33E-05	-1.20
7935707	NM_001278	CHUK	NM_001278 // CHUK // conserved helix-loop-helix ubiquitous kinase // 10q24-q25 /	0.519248	0.131726	0.386263	4.33E-05	-1.23

8061668	NM_002110	HCK	NM_002110 // HCK // hemopoietic cell kinase // 20q11-q12 // 3055 /// NM_00117212	0.331014	0.62019	0.419304	4.35E-05	-1.52
8099246	NM_025196	GRPEL1	NM_025196 // GRPEL1 // GrpE-like 1, mitochondrial (E. coli) // 4p16 // 80273 ///	0.001954	0.612601	0.743064	4.36E-05	-1.21
7929145	NM_182765	HECTD2	NM_182765 // HECTD2 // HECT domain containing 2 // 10q23.32 // 143279 /// NM_173	0.13771	0.000942	0.930094	4.38E-05	1.26
7922162	NM_006996	SLC19A2	NM_006996 // SLC19A2 // solute carrier family 19 (thiamine transporter), member	0.247798	0.065302	0.464631	4.39E-05	-1.59
7950743	NM_014488	RAB30	NM_014488 // RAB30 // RAB30, member RAS oncogene family // 11q12-q14 // 27314 //	0.726044	0.439711	0.245411	4.41E-05	1.36
7938366	BX641032	WEE1	BX641032 // WEE1 // WEE1 homolog (S. pombe) // 11p15.3-p15.1 // 7465	0.114027	0.765529	0.92819	4.42E-05	1.66
7899394	NM_001105556	C1orf38	NM_001105556 // C1orf38 // chromosome 1 open reading frame 38 // 1p35.3 // 9473	0.133242	0.856944	0.332546	4.43E-05	-1.39
7954330	NM_019844	SLCO1B3	NM_019844 // SLCO1B3 // solute carrier organic anion transporter family, member	0.101489	0.072597	0.268719	4.43E-05	1.28
8129924	NM_153235	TXLNB	NM_153235 // TXLNB // taxilin beta // 6q24.1 // 167838 /// ENST00000358430 // TX	0.531393	0.47098	0.936543	4.44E-05	1.37
8167930	NM_174912	FAAH2	NM_174912 // FAAH2 // fatty acid amide hydrolase 2 // Xp11.21 // 158584 /// ENST	0.871663	0.786489	0.882447	4.44E-05	1.35
8114030	NM_007054	KIF3A	NM_007054 // KIF3A // kinesin family member 3A // 5q31 // 11127 /// ENST00000378	0.019874	0.450835	0.967331	4.46E-05	1.38
8096079	---		---	0.89115	0.292404	0.934989	4.47E-05	-1.20

8038877	NM_003830	SIGLEC5	NM_003830 // SIGLEC5 // sialic acid binding Ig-like lectin 5 // 19q13.3 // 8778	2.40E-05	0.506856	0.453387	4.49E-05	-1.33
8068651	NM_006198	PCP4	NM_006198 // PCP4 // Purkinje cell protein 4 // 21q22.2 // 5121 /// ENST00000328	0.23171	0.145495	0.518498	4.52E-05	1.28
7912582	NM_001013407	PRAMEF5	NM_001013407 // PRAMEF5 // PRAME family member 5 // 1p36.21 // 343068 /// NM_001	0.945917	0.655053	0.0097679	4.52E-05	-1.38
7900999	NM_001145636	C1orf228	NM_001145636 // C1orf228 // chromosome 1 open reading frame 228 // 1p34.1 // 339	0.560015	0.395824	0.980543	4.54E-05	1.34
8148448	NM_006558	KHDRBS3	NM_006558 // KHDRBS3 // KH domain containing, RNA binding, signal transduction a	0.487639	0.314378	0.575911	4.54E-05	-1.20
8051993	NM_173074	PIGF	NM_173074 // PIGF // phosphatidylinositol glycan anchor biosynthesis, class F //	0.664365	0.449964	0.276045	4.55E-05	1.22
8109093	NM_014945	ABLIM3	NM_014945 // ABLIM3 // actin binding LIM protein family, member 3 // 5q32 // 228	0.367627	0.656368	0.146618	4.58E-05	-1.24
8132218	NM_198428	BBS9	NM_198428 // BBS9 // Bardet-Biedl syndrome 9 // 7p14 // 27241 /// NM_001033605 /	0.000722	0.455627	0.953527	4.58E-05	1.31
8103932	NM_024629	MLF1IP	NM_024629 // MLF1IP // MLF1 interacting protein // 4q35.1 // 79682 /// ENST00000	0.142083	0.51976	0.230241	4.59E-05	1.29
7992181	NM_003294	TPSAB1	NM_003294 // TPSAB1 // tryptase alpha/beta 1 // 16p13.3 // 7177 /// NM_024164 //	0.119475	0.241753	0.919462	4.61E-05	1.36
8102592	---		---	0.028503	0.330733	0.771872	4.61E-05	1.61
8158902	BC118593	C9orf171	BC118593 // C9orf171 // chromosome 9 open reading frame 171 // 9q34.13 // 389799	0.87459	0.430969	0.992858	4.62E-05	1.42

8081001	NM_002942	ROBO2	NM_002942 // ROBO2 // roundabout, axon guidance receptor, homolog 2 (Drosophila)	0.0294	0.018124	0.0013283	4.62E-05	1.66
8084891	NM_153690	FAM43A	NM_153690 // FAM43A // family with sequence similarity 43, member A // 3q29 // 1	0.31403	0.133853	0.0706189	4.63E-05	-1.36
7981996	NR_003338	SNORD116-2	NR_003338 // SNORD116-24 // small nucleolar RNA, C/D box 116-24 // 15q11.2 // 10	0.190272	0.743151	0.134477	4.66E-05	1.46
8067409	NM_005560	LAMA5	NM_005560 // LAMA5 // laminin, alpha 5 // 20q13.2-q13.3 // 3911 /// ENST00000252	0.755302	0.201814	0.165436	4.66E-05	-1.21
7980051	NM_194278	C14orf43	NM_194278 // C14orf43 // chromosome 14 open reading frame 43 // 14q24.3 // 91748	0.712738	0.232379	0.179405	4.67E-05	-1.20
8109926	NM_014211	GABRP	NM_014211 // GABRP // gamma-aminobutyric acid (GABA) A receptor, pi // 5q33-q34	0.2538	0.044576	0.322795	4.69E-05	1.61
8089291	---		---	0.35749	0.799326	0.0458466	4.70E-05	1.26
7917431	---		---	0.82476	0.673134	0.772049	4.71E-05	1.22
7990555	NM_138573	NRG4	NM_138573 // NRG4 // neuregulin 4 // 15q24.2 // 145957 /// ENST00000394907 // NR	0.503556	0.080518	0.923492	4.71E-05	1.52
8044391	NM_006343	MERTK	NM_006343 // MERTK // c-mer proto-oncogene tyrosine kinase // 2q14.1 // 10461 //	0.207873	0.003451	0.556031	4.71E-05	-1.40
7987574	NM_133639	RHOV	NM_133639 // RHOV // ras homolog gene family, member V // 15q13.3 // 171177 ///	0.703847	0.799208	0.734956	4.72E-05	1.31
8099982	NM_004307	APBB2	NM_004307 // APBB2 // amyloid beta (A4) precursor protein-binding, family B, mem	0.016711	0.071956	0.194715	4.73E-05	-1.29

8044793	NM_182915	STEAP3	NM_182915 // STEAP3 // STEAP family member 3 // 2q14.2 // 55240 /// NM_018234 //	0.498462	0.311085	0.629289	4.74E-05	1.30
7921882	NM_015441	OLFML2B	NM_015441 // OLFML2B // olfactomedin-like 2B // 1q23.3 // 25903 /// ENST00000367	0.012488	0.280434	0.0596769	4.77E-05	1.37
8047300	NM_001159	AOX1	NM_001159 // AOX1 // aldehyde oxidase 1 // 2q33 // 316 /// ENST00000374700 // AO	0.73706	0.493198	0.396069	4.77E-05	-1.76
7922137	NM_013330	NME7	NM_013330 // NME7 // non-metastatic cells 7, protein expressed in (nucleoside-di	0.342924	0.297481	0.330354	4.78E-05	1.31
7979281	NM_007086	WDHD1	NM_007086 // WDHD1 // WD repeat and HMG-box DNA binding protein 1 // 14q22.2 //	0.290476	0.175268	0.446324	4.83E-05	1.28
8144880	NM_022071	SH2D4A	NM_022071 // SH2D4A // SH2 domain containing 4A // 8p21.2 // 63898 /// NM_001174	0.243322	0.321446	0.143207	4.84E-05	-1.26
7984001	NM_004751	GCNT3	NM_004751 // GCNT3 // glucosaminyl (N-acetyl) transferase 3, mucin type // 15q21	0.099399	0.990031	0.309654	4.87E-05	1.27
7981978	NR_003330	SNORD116-1	NR_003330 // SNORD116-15 // small nucleolar RNA, C/D box 116-15 // 15q11.2 // 10	0.190435	0.652014	0.396365	4.89E-05	1.34
7908841	NM_002481	PPP1R12B	NM_002481 // PPP1R12B // protein phosphatase 1, regulatory (inhibitor) subunit 1	0.014074	0.10357	0.403728	4.93E-05	1.26
8079058	---		---	0.244615	0.065195	0.626855	4.94E-05	1.25
8025183	NM_020533	MCOLN1	NM_020533 // MCOLN1 // mucolipin 1 // 19p13.2 // 57192 /// ENST00000264079 // MC	0.108473	0.180197	0.345812	4.95E-05	-1.25
8012883	NM_006042	HS3ST3A1	NM_006042 // HS3ST3A1 // heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	0.087234	0.438034	0.416911	4.95E-05	1.23

8116272	NM_014244	ADAMTS2	NM_014244 // ADAMTS2 // ADAM metallopeptidase with thrombospondin type 1 motif,	0.372193	0.678888	0.829579	5.01E-05	-1.33
7928671	NM_025125	C10orf57	NM_025125 // C10orf57 // chromosome 10 open reading frame 57 // 10q22.3 // 80195	0.945157	0.261539	0.470116	5.03E-05	1.41
8061620	NM_001008409	TTLL9	NM_001008409 // TTLL9 // tubulin tyrosine ligase-like family, member 9 // 20q11.	0.130091	0.245545	0.673667	5.03E-05	1.63
7910997	NM_130398	EXO1	NM_130398 // EXO1 // exonuclease 1 // 1q42-q43 // 9156 /// NM_006027 // EXO1 //	0.001696	0.451915	0.336365	5.07E-05	1.27
8155048	NM_014806	RUSC2	NM_014806 // RUSC2 // RUN and SH3 domain containing 2 // 9p13.3 // 9853 /// NM_0	0.179322	0.418674	0.715097	5.08E-05	-1.24
8145865	NM_032777	GPR124	NM_032777 // GPR124 // G protein-coupled receptor 124 // 8p11.23 // 25960 /// EN	0.838791	0.392896	0.662954	5.09E-05	1.27
8148184	NM_032899	FAM83A	NM_032899 // FAM83A // family with sequence similarity 83, member A // 8q24.13 /	0.553539	0.259096	0.66712	5.09E-05	1.23
7943369	NM_032021	TMEM133	NM_032021 // TMEM133 // transmembrane protein 133 // 11q22.1 // 83935 /// ENST00	0.045851	0.234848	0.417216	5.10E-05	1.29
7982723	NM_002225	IVD	NM_002225 // IVD // isovaleryl-CoA dehydrogenase // 15q14-q15 // 3712 /// NM_001	0.356701	0.35619	0.355803	5.13E-05	-1.22
7933075	NM_031866	FZD8	NM_031866 // FZD8 // frizzled homolog 8 (Drosophila) // 10p11.21 // 8325 /// ENS	0.230498	0.140284	0.948294	5.18E-05	-1.23
8103802	NM_144644	SPATA4	NM_144644 // SPATA4 // spermatogenesis associated 4 // 4q34.2 // 132851 /// ENST	0.598787	0.1263	0.992764	5.20E-05	1.39

7946988	NM_181507	HPS5	NM_181507 // HPS5 // Hermansky-Pudlak syndrome 5 // 11p14 // 11234 /// NM_007216	0.049567	0.686321	0.0945838	5.21E-05	-1.29
8165752	NM_002183	IL3RA	NM_002183 // IL3RA // interleukin 3 receptor, alpha (low affinity) // Xp22.3 or	0.513632	0.023593	0.280394	5.21E-05	-1.53
8176323	NM_002183	IL3RA	NM_002183 // IL3RA // interleukin 3 receptor, alpha (low affinity) // Xp22.3 or	0.513632	0.023593	0.280394	5.21E-05	-1.53
7934698	NM_001098668	SFTPA2	NM_001098668 // SFTPA2 // surfactant protein A2 // 10q22.3 // 729238 /// NM_0054	0.989958	0.147602	0.150096	5.21E-05	-1.55
8098995	NM_006454	MXD4	NM_006454 // MXD4 // MAX dimerization protein 4 // 4p16.3 // 10608 /// ENST00000	0.45364	0.093847	0.992784	5.23E-05	-1.21
8160786	NM_020702	KIAA1161	NM_020702 // KIAA1161 // KIAA1161 // 9p13.3 // 57462 /// ENST00000297625 // KIAA	0.267735	0.237458	0.0808155	5.25E-05	1.20
8054872	NM_014553	TFCP2L1	NM_014553 // TFCP2L1 // transcription factor CP2-like 1 // 2q14 // 29842 /// ENS	0.663469	0.769623	0.688277	5.30E-05	-1.54
7989387	NM_020821	VPS13C	NM_020821 // VPS13C // vacuolar protein sorting 13 homolog C (S. cerevisiae) //	0.004116	0.448946	0.512323	5.32E-05	1.20
8054092	NM_015348	TMEM131	NM_015348 // TMEM131 // transmembrane protein 131 // 2q11.2 // 23505 /// ENST000	0.352607	0.170679	0.0166648	5.33E-05	1.20
7938035	NM_006074	TRIM22	NM_006074 // TRIM22 // tripartite motif-containing 22 // 11p15 // 10346 /// ENST	0.254505	0.177652	0.316046	5.34E-05	1.31
8000582	NM_001054	SULT1A2	NM_001054 // SULT1A2 // sulfotransferase family, cytosolic, 1A, phenol-preferrin	0.376112	0.067306	0.282948	5.34E-05	-1.31

7909175	NM_015326	SRGAP2	NM_015326 // SRGAP2 // SLIT-ROBO Rho GTPase activating protein 2 // 1q32.1 // 23	0.729414	0.389862	0.372531	5.39E-05	-1.24
8179351	NM_001710	CFB	NM_001710 // CFB // complement factor B // 6p21.3 // 629 /// ENST00000417261 //	0.063504	0.112426	0.137344	5.41E-05	1.77
8092134	NM_002662	PLD1	NM_002662 // PLD1 // phospholipase D1, phosphatidylcholine-specific // 3q26 // 5	0.013251	0.023368	0.33108	5.41E-05	1.26
8050190	NM_003183	ADAM17	NM_003183 // ADAM17 // ADAM metallopeptidase domain 17 // 2p25 // 6868 /// ENST0	0.664966	0.543133	0.0302841	5.44E-05	-1.26
7958942	NM_001144872	CCDC42B	NM_001144872 // CCDC42B // coiled-coil domain containing 42B // 12q24.13 // 3878	0.31324	0.422983	0.993733	5.46E-05	1.48
7988563	NM_203349	SHC4	NM_203349 // SHC4 // SHC (Src homology 2 domain containing) family, member 4 //	0.053563	0.657078	0.285366	5.48E-05	1.20
8039226	NM_006865	LILRA3	NM_006865 // LILRA3 // leukocyte immunoglobulin-like receptor, subfamily A (with	0.007449	0.055628	0.215541	5.49E-05	-1.44
7940493	NM_145017	C11orf66	NM_145017 // C11orf66 // chromosome 11 open reading frame 66 // 11q12.2 // 22000	0.306099	0.279191	0.922353	5.54E-05	1.41
8142765	NM_022143	LRRC4	NM_022143 // LRRC4 // leucine rich repeat containing 4 // 7q31.3 // 64101 /// EN	0.30821	0.973501	0.187194	5.56E-05	1.31
7952805	NR_024344	LOC283174	NR_024344 // LOC283174 // hypothetical LOC283174 // 11q25 // 283174	0.181931	0.313053	0.509685	5.58E-05	1.52
8141374	NM_001185	AZGP1	NM_001185 // AZGP1 // alpha-2-glycoprotein 1, zinc-binding // 7q22.1 // 563 ///	0.428561	0.054771	0.921848	5.58E-05	-1.59

7910369	NM_175055	HIST3H2BB	NM_175055 // HIST3H2BB // histone cluster 3, H2bb // 1q42.13 // 128312 /// ENST0	0.822481	0.393928	0.454949	5.59E-05	1.21
7985444	NR_024474	UBE2Q2P3	NR_024474 // UBE2Q2P3 // ubiquitin-conjugating enzyme E2Q family member 2 pseudo	0.088866	0.761664	0.55567	5.59E-05	1.29
7975799	NM_017791	FLVCR2	NM_017791 // FLVCR2 // feline leukemia virus subgroup C cellular receptor family	0.567833	0.454582	0.405097	5.60E-05	-1.47
8138363	NM_015464	SOSTDC1	NM_015464 // SOSTDC1 // sclerostin domain containing 1 // 7p21.1 // 25928 /// EN	0.038395	0.289412	0.123959	5.64E-05	-2.47
7918558	NM_004980	KCND3	NM_004980 // KCND3 // potassium voltage-gated channel, Shal-related subfamily, m	0.093424	0.198346	0.456534	5.64E-05	1.33
8141490	NR_003613	PMS2P1	NR_003613 // PMS2P1 // postmeiotic segregation increased 2 pseudogene 1 // 7q22.	0.175863	0.024219	0.0178613	5.67E-05	1.22
8027728	NM_182983	HPN	NM_182983 // HPN // hepsin // 19q11-q13.2 // 3249 /// NM_002151 // HPN // hepsin	0.341795	0.027676	0.458536	5.70E-05	-1.18
8085475	NM_004625	WNT7A	NM_004625 // WNT7A // wingless-type MMTV integration site family, member 7A // 3	0.687419	0.044003	0.911241	5.72E-05	-1.21
8035787	---		---	0.822346	0.542288	0.0096672	5.73E-05	-1.21
8115623	NM_025153	ATP10B	NM_025153 // ATP10B // ATPase, class V, type 10B // 5q34 // 23120 /// ENST000003	0.002833	0.450827	0.482653	5.76E-05	1.19
8063893	NM_007002	ADRM1	NM_007002 // ADRM1 // adhesion regulating molecule 1 // 20q13.33 // 11047 /// NM	0.005132	0.762537	0.741241	5.78E-05	-1.19
8155802	NM_004293	GDA	NM_004293 // GDA // guanine deaminase // 9q21.13 // 9615 /// ENST00000358399 //	0.681193	0.162427	0.842624	5.78E-05	1.27

8086627	NR_033815	ALS2CL	NR_033815 // ALS2CL // ALS2 C-terminal like // 3p21.31 // 259173 /// NM_147129 / NM_001098668 // SFTPA2 // surfactant protein A2 // 10q22.3 // 729238 ///	0.103053	0.084613	0.339691	5.85E-05	-1.22
7934708	NM_001098668	SFTPA2	NM_0054	0.989121	0.15344	0.160567	5.88E-05	-1.50
8121949	NM_000426	LAMA2	NM_000426 // LAMA2 // laminin, alpha 2 // 6q22-q23 // 3908 /// NM_001079823 // L	0.895288	0.260257	0.572343	5.88E-05	-1.51
7898805	NM_000491	C1QB	NM_000491 // C1QB // complement component 1, q subcomponent, B chain // 1p36.12	0.785496	0.22512	0.0973693	5.88E-05	-1.44
8052010	NM_001743	CALM2	NM_001743 // CALM2 // calmodulin 2 (phosphorylase kinase, delta) // 2p21 // 805	0.955217	0.715468	0.147498	5.89E-05	1.23
8075009	NM_031444	C22orf13	NM_031444 // C22orf13 // chromosome 22 open reading frame 13 // 22q11.2 // 83606	0.272973	0.030635	0.551866	5.93E-05	-1.20
7946428	NM_020643	C11orf16	NM_020643 // C11orf16 // chromosome 11 open reading frame 16 // 11p15.3 // 56673	0.386484	0.493345	0.806726	5.93E-05	1.46
8051396	NM_021209	NLRC4	NM_021209 // NLRC4 // NLR family, CARD domain containing 4 // 2p22-p21 // 58484	0.480353	0.748029	0.279061	5.94E-05	-1.64
8139832	NM_015852	ZNF117	NM_015852 // ZNF117 // zinc finger protein 117 // 7q11.21 // 51351 /// NM_001007	0.421007	0.066956	0.726286	5.95E-05	1.40
7897227	NM_018836	AJAP1	NM_018836 // AJAP1 // adherens junctions associated protein 1 // 1p36.32 // 5596	0.951726	0.500364	0.0125467	5.96E-05	-1.25
7922870	NM_030934	C1orf25	NM_030934 // C1orf25 // chromosome 1 open reading frame 25 // 1q25.2 // 81627 //	0.035424	0.025103	0.917719	5.99E-05	1.27

8086517	NM_022842	CDCP1	NM_022842 // CDCP1 // CUB domain containing protein 1 // 3p21.31 // 64866 /// NM	0.706828	0.414889	0.0391926	6.02E-05	1.29
8048870	NM_178821	WDR69	NM_178821 // WDR69 // WD repeat domain 69 // 2q36.3 // 164781 /// ENST0000030993	0.614107	0.416444	0.99072	6.05E-05	2.15
8125139	NM_000434	NEU1	NM_000434 // NEU1 // sialidase 1 (lysosomal sialidase) // 6p21.3 // 4758 /// ENS	0.022087	0.492503	0.309722	6.08E-05	-1.21
8179851	NM_000434	NEU1	NM_000434 // NEU1 // sialidase 1 (lysosomal sialidase) // 6p21.3 // 4758 /// ENS	0.022087	0.492503	0.309722	6.08E-05	-1.21
7985522	NM_207517	ADAMTSL3	NM_207517 // ADAMTSL3 // ADAMTS-like 3 // 15q25.2 // 57188 /// ENST00000286744 /	0.102239	0.054497	0.190962	6.08E-05	-1.47
7929012	NM_020799	STAMBPL1	NM_020799 // STAMBPL1 // STAM binding protein-like 1 // 10q23.31 // 57559 /// EN	0.203831	0.893192	0.467065	6.09E-05	1.28
7943738	NR_029840	MIR34C	NR_029840 // MIR34C // microRNA 34c // 11q23.1 // 407042 /// BC021736 // LOC7281	0.349336	0.372211	0.924153	6.11E-05	1.67
8040695	NM_002246	KCNK3	NM_002246 // KCNK3 // potassium channel, subfamily K, member 3 // 2p23 // 3777 /	0.915397	0.296882	0.725449	6.11E-05	-1.26
7909390	NM_175710	CR1L	NM_175710 // CR1L // complement component (3b/4b) receptor 1-like // 1q32.1 // 1	0.01377	0.320594	0.425857	6.14E-05	-1.23
7904433	NM_006623	PHGDH	NM_006623 // PHGDH // phosphoglycerate dehydrogenase // 1p12 // 26227 /// ENST00	0.893798	0.875111	0.862852	6.20E-05	-1.43
8100746	NM_001076	UGT2B15	NM_001076 // UGT2B15 // UDP glucuronosyltransferase 2 family, polypeptide B15 //	0.680387	0.727241	0.426842	6.23E-05	1.33

8141206	NM_018842	BAIAP2L1	NM_018842 // BAIAP2L1 // BAI1-associated protein 2-like 1 // 7q22.1 // 55971 ///	0.199548	0.756577	0.799231	6.25E-05	1.40
8071658	ENST00000390295	IGLV7-46	ENST00000390295 // IGLV7-46 // immunoglobulin lambda variable 7-46 (gene/pseudog	0.156688	0.434355	0.397298	6.27E-05	1.88
8158431	NM_001100876	PHYHD1	NM_001100876 // PHYHD1 // phytanoyl-CoA dioxygenase domain containing 1 // 9q34.	0.638594	0.17278	0.885791	6.27E-05	-1.20
8007919	NR_002940	LRRC37A4	NR_002940 // LRRC37A4 // leucine rich repeat containing 37, member A4 (pseudogen	0.06379	0.067274	0.715366	6.28E-05	1.39
8121547	NM_001033564	C6orf225	NM_001033564 // C6orf225 // chromosome 6 open reading frame 225 // 6q21 // 61920	0.853285	0.154766	0.438887	6.28E-05	1.32
8163444	NM_003408	ZFP37	NM_003408 // ZFP37 // zinc finger protein 37 homolog (mouse) // 9q32 // 7539 ///	0.161686	0.255149	0.975855	6.30E-05	1.20
8134965	NM_020246	SLC12A9	NM_020246 // SLC12A9 // solute carrier family 12 (potassium/chloride transporter	0.009462	0.487548	0.65367	6.30E-05	-1.19
8129379	NM_001002030	ECHDC1	NM_001002030 // ECHDC1 // enoyl CoA hydratase domain containing 1 // 6q22.33 //	0.137118	0.977021	0.448202	6.31E-05	-1.25
8087907	NM_020163	SEMA3G	NM_020163 // SEMA3G // sema domain, immunoglobulin domain (Ig), short basic doma	0.528511	0.143889	0.246389	6.32E-05	-1.55
7982535	NM_032499	C15orf41	NM_032499 // C15orf41 // chromosome 15 open reading frame 41 // 15q14 // 84529 /	0.004766	0.188741	0.97823	6.33E-05	1.21
8015031	NM_001838	CCR7	NM_001838 // CCR7 // chemokine (C-C motif) receptor 7 // 17q12-q21.2 // 1236 ///	0.047765	0.666745	0.526715	6.33E-05	1.28

7989785	NM_020962	IGDCC4	NM_020962 // IGDCC4 // immunoglobulin superfamily, DCC subclass, member 4 // 15q	0.215725	0.366175	0.85712	6.35E-05	1.21
7903632	NM_001408	CELSR2	NM_001408 // CELSR2 // cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo	0.676636	0.806181	0.412869	6.36E-05	1.21
8176234	NM_001289	CLIC2	NM_001289 // CLIC2 // chloride intracellular channel 2 // Xq28 // 1193 /// ENST0	0.1968	0.042457	0.468176	6.40E-05	-1.41
8090972	NM_178130	TXNDC6	NM_178130 // TXNDC6 // thioredoxin domain containing 6 // 3q22.3 // 347736 /// E	0.377539	0.135577	0.845998	6.42E-05	1.53
8067125	NM_003657	BCAS1	NM_003657 // BCAS1 // breast carcinoma amplified sequence 1 // 20q13.2 // 8537 /	0.988921	0.259275	0.598869	6.44E-05	1.56
8140686	NM_152754	SEMA3D	NM_152754 // SEMA3D // sema domain, immunoglobulin domain (Ig), short basic doma	0.029494	0.505695	0.235687	6.44E-05	1.64
8065719	NM_007238	PXMP4	NM_007238 // PXMP4 // peroxisomal membrane protein 4, 24kDa // 20q11.22 // 11264	0.250484	0.178986	0.484502	6.47E-05	-1.29
8047505	BC118982	FLJ39061	BC118982 // FLJ39061 // hypothetical protein FLJ39061 // 2q33.1 // 165057 /// AB	0.80242	0.073982	0.908063	6.48E-05	1.66
8151627	---		---	0.813131	0.23035	0.0137648	6.49E-05	-1.42
8112668	NM_016591	GCNT4	NM_016591 // GCNT4 // glucosaminyl (N-acetyl) transferase 4, core 2 // 5q12 // 5	0.649132	0.049176	0.139268	6.50E-05	1.31
8146794	NM_024870	PREX2	NM_024870 // PREX2 // phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exc	0.016052	0.030665	0.416695	6.52E-05	-1.34
8036010	NM_000285	PEPD	NM_000285 // PEPD // peptidase D // 19q13.11 // 5184 /// NM_001166057 // PEPD //	0.845089	0.431728	0.0159264	6.58E-05	-1.27

7949588	NM_020404	CD248	NM_020404 // CD248 // CD248 molecule, endosialin // 11q13 // 57124 /// ENST00000	0.243467	0.670196	0.740129	6.60E-05	1.41
7922152	BC026073	C1orf114	BC026073 // C1orf114 // chromosome 1 open reading frame 114 // 1q24 // 57821 ///	0.730931	0.065854	0.870198	6.64E-05	1.38
7928685	NM_032372	DYDC2	NM_032372 // DYDC2 // DPY30 domain containing 2 // 10q23.1 // 84332 /// ENST0000	0.986217	0.530777	0.856063	6.68E-05	1.37
8074969	NM_001355	DDT	NM_001355 // DDT // D-dopachrome tautomerase // 22q11.23 // 1652 /// NM_00108439	0.137058	0.122355	0.372333	6.69E-05	-1.27
7926708	NM_024838	THNSL1	NM_024838 // THNSL1 // threonine synthase-like 1 (S. cerevisiae) // 10p12.1 // 7	0.206945	0.272111	0.910141	6.72E-05	1.25
8155327	NM_000692	ALDH1B1	NM_000692 // ALDH1B1 // aldehyde dehydrogenase 1 family, member B1 // 9p11.1 //	0.957013	0.508581	0.440751	6.74E-05	1.23
7909601	NR_004389	SNORA16B	NR_004389 // SNORA16B // small nucleolar RNA, H/ACA box 16B // 1q32.3 // 692157	8.73E-05	0.542828	0.27539	6.77E-05	-1.40
8069998	NM_021254	C21orf59	NM_021254 // C21orf59 // chromosome 21 open reading frame 59 // 21q22.1 // 56683	0.767858	0.242336	0.497861	6.84E-05	1.32
7930320	NM_001008723	CCDC147	NM_001008723 // CCDC147 // coiled-coil domain containing 147 // 10q25.1 // 15968	0.482222	0.181455	0.927213	6.86E-05	1.51
7983991	NM_152450	FAM81A	NM_152450 // FAM81A // family with sequence similarity 81, member A // 15q22.2 /	0.832194	0.275102	0.9521	6.88E-05	1.27
8151512	NM_018440	PAG1	NM_018440 // PAG1 // phosphoprotein associated with glycosphingolipid microdomai	0.856135	0.020353	0.582764	6.90E-05	-1.36

7963786	NM_002205	ITGA5	NM_002205 // ITGA5 // integrin, alpha 5 (fibronectin receptor, alpha polypeptide	0.108402	0.642194	0.758531	6.93E-05	-1.39
8140239	NR_003614	PMS2L2	NR_003614 // PMS2L2 // postmeiotic segregation increased 2-like 2 pseudogene //	0.05436	0.033508	0.0728787	6.95E-05	1.30
7932796	NM_021738	SVIL	NM_021738 // SVIL // supervillin // 10p11.2 // 6840 /// NM_003174 // SVIL // sup	0.109007	0.883555	0.0919265	6.99E-05	1.29
8002891	NM_024533	CHST5	NM_024533 // CHST5 // carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	0.867839	0.034021	0.745933	7.00E-05	1.31
8124583	NM_001012455	ZSCAN23	NM_001012455 // ZSCAN23 // zinc finger and SCAN domain containing 23 // 6p22.1 /	0.202299	0.838323	0.357283	7.00E-05	1.24
8149685	NM_139278	LGI3	NM_139278 // LGI3 // leucine-rich repeat LGI family, member 3 // 8p21.3 // 20319	0.838755	0.011165	0.117593	7.04E-05	-1.58
8135275	---		---	0.705106	0.673152	0.0321231	7.06E-05	1.26
8137252	NM_130759	GIMAP1	NM_130759 // GIMAP1 // GTPase, IMAP family member 1 // 7q36.1 // 170575 /// ENST	0.040823	0.856932	0.563476	7.07E-05	-1.36
8076441	NM_145912	NFAM1	NM_145912 // NFAM1 // NFAT activating protein with ITAM motif 1 // 22q13.2 // 15	0.249145	0.782742	0.663704	7.08E-05	-1.24
8115756	NM_004137	KCNMB1	NM_004137 // KCNMB1 // potassium large conductance calcium-activated channel, su	0.7834	0.004824	0.310682	7.15E-05	1.33
8051670	NM_005633	SOS1	NM_005633 // SOS1 // son of sevenless homolog 1 (Drosophila) // 2p21 // 6654 ///	0.057064	0.509847	0.811924	7.16E-05	1.22
8164833	NM_021996	GBGT1	NM_021996 // GBGT1 // globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 //	0.148217	0.378189	0.0345909	7.17E-05	-1.22

8120880	NM_006670	TPBG	NM_006670 // TPBG // trophoblast glycoprotein // 6q14-q15 // 7162 /// NM_0011663	0.226807	0.645991	0.356774	7.17E-05	1.25
7981988	NR_003334	SNORD116-2	NR_003334 // SNORD116-20 // small nucleolar RNA, C/D box 116-20 // 15q11.2 // 10	0.360138	0.809395	0.335245	7.18E-05	1.38
8043203	NM_006634	VAMP5	NM_006634 // VAMP5 // vesicle-associated membrane protein 5 (myobrevin) // 2p11.	0.297659	0.05081	0.729051	7.21E-05	-1.19
8093991	---		---	0.7026	0.289205	0.560938	7.25E-05	-1.22
8069700	NM_013240	N6AMT1	NM_013240 // N6AMT1 // N-6 adenine-specific DNA methyltransferase 1 (putative) /	0.00737	0.211711	0.886044	7.26E-05	1.23
8064502	NM_003091	SNRPB	NM_003091 // SNRPB // small nuclear ribonucleoprotein polypeptides B and B1 // 2	0.00175	0.091616	0.857364	7.26E-05	-1.22
8035838	AK301230	ZNF724P	AK301230 // ZNF724P // zinc finger protein 724, pseudogene // 19p12 // 440519 //	0.748621	0.158738	0.666335	7.46E-05	1.21
7967993	NM_002010	FGF9	NM_002010 // FGF9 // fibroblast growth factor 9 (glia-activating factor) // 13q1	0.000146	0.216457	0.529435	7.49E-05	-1.35
8126018	NM_007271	STK38	NM_007271 // STK38 // serine/threonine kinase 38 // 6p21 // 11329 /// ENST000004	0.253975	0.098318	0.282769	7.56E-05	1.20
8115651	NM_021911	GABRB2	NM_021911 // GABRB2 // gamma-aminobutyric acid (GABA) A receptor, beta 2 // 5q34	0.225725	0.073551	0.222659	7.59E-05	-1.29
8004266	NM_201566	SLC16A13	NM_201566 // SLC16A13 // solute carrier family 16, member 13 (monocarboxylic aci	0.226704	0.806925	0.49843	7.63E-05	-1.26
8047492	AK297413	FLJ39061	AK297413 // FLJ39061 // hypothetical protein FLJ39061 // 2q33.1 // 165057 /// AK	0.923036	0.018623	0.931945	7.63E-05	1.60

7960340	NM_202002	FOXM1	NM_202002 // FOXM1 // forkhead box M1 // 12p13 // 2305 /// NM_021953 // FOXM1 //	0.000265	0.839014	0.510525	7.63E-05	1.23
7968344	NM_001629	ALOX5AP	NM_001629 // ALOX5AP // arachidonate 5-lipoxygenase-activating protein // 13q12	0.844907	0.261055	0.0122187	7.72E-05	-1.45
7933010	NM_019619	PARD3	NM_019619 // PARD3 // par-3 partitioning defective 3 homolog (C. elegans) // 10p	0.091508	0.287948	0.385653	7.78E-05	-1.22
8047738	NM_201266	NRP2	NM_201266 // NRP2 // neuropilin 2 // 2q33.3 // 8828 /// NM_003872 // NRP2 // neu	0.390466	0.439185	0.201936	7.80E-05	1.24
7993638	NM_001105248	TMC5	NM_001105248 // TMC5 // transmembrane channel-like 5 // 16p12.3 // 79838 /// NM_	0.519918	0.0838	0.364308	7.81E-05	1.55
8020254	NM_031216	SEH1L	NM_031216 // SEH1L // SEH1-like (S. cerevisiae) // 18p11.21 // 81929 /// NM_0010	0.00958	0.54572	0.317979	7.84E-05	-1.23
8052689	NM_181784	SPRED2	NM_181784 // SPRED2 // sprouty-related, EVH1 domain containing 2 // 2p14 // 2007	0.874863	0.037339	0.175203	7.85E-05	-1.20
7945944	NM_001665	RHOG	NM_001665 // RHOG // ras homolog gene family, member G (rho G) // 11p15.5-p15.4	0.003035	0.815556	0.838238	7.86E-05	-1.19
8071806	NM_001355	DDT	NM_001355 // DDT // D-dopachrome tautomerase // 22q11.23 // 1652 /// NM_00108439	0.139449	0.266227	0.226414	7.87E-05	-1.20
8112746	NM_018268	WDR41	NM_018268 // WDR41 // WD repeat domain 41 // 5q13.3 // 55255 /// ENST00000296679	0.252089	0.177586	0.831627	7.88E-05	1.18
8077731	NM_033084	FANCD2	NM_033084 // FANCD2 // Fanconi anemia, complementation group D2 // 3p26 // 2177	0.143818	0.211768	0.383382	7.89E-05	1.24

7916570	NM_145243	OMA1	NM_145243 // OMA1 // OMA1 homolog, zinc metallopeptidase (S. cerevisiae) // 1p32	0.384086	0.046322	0.919158	7.89E-05	1.23
8025255	NM_006949	STXBP2	NM_006949 // STXBP2 // syntaxin binding protein 2 // 19p13.3-p13.2 // 6813 /// N	0.056924	0.876508	0.251197	7.91E-05	-1.24
8125843	NM_012391	SPDEF	NM_012391 // SPDEF // SAM pointed domain containing ets transcription factor //	0.094129	0.247637	0.622612	7.91E-05	1.23
7943413	NM_001165	BIRC3	NM_001165 // BIRC3 // baculoviral IAP repeat-containing 3 // 11q22 // 330 /// NM	0.208701	0.272763	0.167301	8.01E-05	1.49
8011680	NM_001140	ALOX15	NM_001140 // ALOX15 // arachidonate 15-lipoxygenase // 17p13.3 // 246 /// ENST00	0.213527	0.902954	0.971255	8.07E-05	2.25
8107850	NM_175856	CHSY3	NM_175856 // CHSY3 // chondroitin sulfate synthase 3 // 5q23.3 // 337876 /// ENS	0.456323	0.90206	0.683218	8.10E-05	1.25
7969986	NM_006573	TNFSF13B	NM_006573 // TNFSF13B // tumor necrosis factor (ligand) superfamily, member 13b	0.909973	0.740443	0.46194	8.14E-05	1.50
8009602	NM_153209	KIF19	NM_153209 // KIF19 // kinesin family member 19 // 17q25.1 // 124602 /// AK094619	0.750762	0.300175	0.901764	8.15E-05	1.24
8067221	NM_030776	ZBP1	NM_030776 // ZBP1 // Z-DNA binding protein 1 // 20q13.31 // 81030 /// NM_0011604	0.811772	0.590125	0.0897676	8.16E-05	1.31
7981976	NR_003329	SNORD116-1	NR_003329 // SNORD116-14 // small nucleolar RNA, C/D box 116-14 // 15q11.2 // 10	0.219893	0.575434	0.458414	8.17E-05	1.38
7954899	NM_001843	CNTN1	NM_001843 // CNTN1 // contactin 1 // 12q11-q12 // 1272 /// NM_175038 // CNTN1 //	0.004092	0.923795	0.0265396	8.20E-05	1.45

8159086	NM_014694	ADAMTSL2	NM_014694 // ADAMTSL2 // ADAMTS-like 2 // 9q34.2 // 9719 /// NM_001145320 // ADA	0.104956	0.798649	0.470859	8.20E-05	-1.21
7937112	BC034223	C10orf92	BC034223 // C10orf92 // chromosome 10 open reading frame 92 // 10q26.3 // 54777	0.300994	0.42183	0.622362	8.20E-05	1.30
7944530	NM_178507	OAF	NM_178507 // OAF // OAF homolog (Drosophila) // 11q23.3 // 220323 /// ENST000003	0.070196	0.838763	0.237484	8.27E-05	1.25
8162586	NM_007001	SLC35D2	NM_007001 // SLC35D2 // solute carrier family 35, member D2 // 9q22.32 // 11046	0.808584	0.297477	0.980807	8.28E-05	-1.22
8118890	NM_152753	SCUBE3	NM_152753 // SCUBE3 // signal peptide, CUB domain, EGF-like 3 // 6p21.3 // 22266	0.08458	0.481096	0.861385	8.30E-05	1.24
8016239	NR_027774	PLEKHM1	NR_027774 // PLEKHM1 // pleckstrin homology domain containing, family M (with RU	0.640669	0.843908	0.128438	8.31E-05	-1.23
7961503	NM_001013698	C12orf69	NM_001013698 // C12orf69 // chromosome 12 open reading frame 69 // 12p12.3 // 44	0.009812	0.140258	0.0669514	8.33E-05	-1.24
8106633	NM_002439	MSH3	NM_002439 // MSH3 // mutS homolog 3 (E. coli) // 5q11-q12 // 4437 /// NM_000791	0.353871	0.018092	0.757771	8.37E-05	1.21
8044236	NM_181453	GCC2	NM_181453 // GCC2 // GRIP and coiled-coil domain containing 2 // 2q12.3 // 9648	0.007494	0.047604	0.546712	8.38E-05	1.26
8103311	NM_000508	FGA	NM_000508 // FGA // fibrinogen alpha chain // 4q28 // 2243 /// NM_021871 // FGA	0.047856	0.988594	0.440529	8.41E-05	-1.94
8096511	NM_001203	BMPR1B	NM_001203 // BMPR1B // bone morphogenetic protein receptor, type IB // 4q22-q24	0.524156	0.27161	0.866436	8.45E-05	1.75

7981953	NR_003318	SNORD116-3	NR_003318 // SNORD116-3 // small nucleolar RNA, C/D box 116-3 // 15q11.2 // 1000	0.687015	0.658623	0.441878	8.46E-05	1.36
7981966	NR_003318	SNORD116-3	NR_003318 // SNORD116-3 // small nucleolar RNA, C/D box 116-3 // 15q11.2 // 1000	0.687015	0.658623	0.441878	8.46E-05	1.36
8076128	NM_014876	JOSD1	NM_014876 // JOSD1 // Josephin domain containing 1 // 22q13.1 // 9929 /// ENST00	0.292564	0.526633	0.0044686	8.47E-05	-1.22
8150881	NM_002655	PLAG1	NM_002655 // PLAG1 // pleiomorphic adenoma gene 1 // 8q12 // 5324 /// NM_0011146	0.102536	0.908884	0.762168	8.51E-05	-1.26
7991034	NM_199330	HOMER2	NM_199330 // HOMER2 // homer homolog 2 (Drosophila) // 15q24.3 // 9455 /// NM_00	0.589319	0.532086	0.657089	8.56E-05	1.29
7923991	NM_025179	PLXNA2	NM_025179 // PLXNA2 // plexin A2 // 1q32.2 // 5362 /// ENST00000367033 // PLXNA2	0.352089	0.031338	0.985934	8.66E-05	-1.30
8094499	---		---	0.005137	0.455821	0.0332494	8.68E-05	1.35
7934719	NM_003019	SFTPD	NM_003019 // SFTPD // surfactant protein D // 10q22.2-q23.1 // 6441 /// ENST0000	0.064135	0.107609	0.385902	8.71E-05	-1.63
7903980	NM_174896	C1orf162	NM_174896 // C1orf162 // chromosome 1 open reading frame 162 // 1p13.2 // 128346	0.550938	0.654858	0.0697442	8.71E-05	-1.49
7979426	NM_022571	GPR135	NM_022571 // GPR135 // G protein-coupled receptor 135 // 14q23.1 // 64582 /// EN	0.003744	0.106924	0.0245359	8.72E-05	1.26
8138799	NM_014817	TRIL	NM_014817 // TRIL // TLR4 interactor with leucine-rich repeats // 7p14.3 // 9865	0.745698	0.022139	0.413511	8.73E-05	1.22
7990839	NM_181900	STARD5	NM_181900 // STARD5 // StAR-related lipid transfer (START) domain containing 5 /	0.885747	0.123451	0.653088	8.75E-05	1.30

8073752	NM_001104595	FAM118A	NM_001104595 // FAM118A // family with sequence similarity 118, member A // 22q1	0.83045	0.798332	0.556664	8.76E-05	1.36
8093145	NM_032898	C3orf34	NM_032898 // C3orf34 // chromosome 3 open reading frame 34 // 3q29 // 84984 ///	0.323322	0.104579	0.770389	8.77E-05	1.30
7932492	NM_001010896	C10orf113	NM_001010896 // C10orf113 // chromosome 10 open reading frame 113 // 10p12.31 //	0.002801	0.877703	0.591983	8.78E-05	-1.31
8023843	NM_152676	FBXO15	NM_152676 // FBXO15 // F-box protein 15 // 18q22.3 // 201456 /// NM_001142958 //	0.402106	0.162966	0.932546	8.83E-05	1.63
7991234	NM_005928	MFGE8	NM_005928 // MFGE8 // milk fat globule-EGF factor 8 protein // 15q25 // 4240 ///	0.073161	0.931449	0.817655	8.87E-05	-1.25
8031358	NM_012314	KIR2DS4	NM_012314 // KIR2DS4 // killer cell immunoglobulin-like receptor, two domains, s	0.656195	0.30051	0.111236	8.89E-05	-1.23
8078138	NM_033083	EAF1	NM_033083 // EAF1 // ELL associated factor 1 // 3p25.1 // 85403 /// ENST00000396	0.178444	0.929402	0.129103	8.90E-05	-1.22
7983940	NM_001040450	FAM63B	NM_001040450 // FAM63B // family with sequence similarity 63, member B // 15q21.	6.96E-06	0.662287	0.280819	8.93E-05	-1.20
8086729	NM_182902	KIF9	NM_182902 // KIF9 // kinesin family member 9 // 3p21.31 // 64147 /// NM_00113487	0.759802	0.084177	0.702312	9.02E-05	1.41
7924092	NM_021194	SLC30A1	NM_021194 // SLC30A1 // solute carrier family 30 (zinc transporter), member 1 //	0.936362	0.031924	0.22786	9.02E-05	1.35
7976816	NR_003195	SNORD114-3	NR_003195 // SNORD114-3 // small nucleolar RNA, C/D box 114-3 // 14q32 // 767579	0.377151	0.049867	0.0434508	9.05E-05	1.36

8036309	NM_133466	ZFP82	NM_133466 // ZFP82 // zinc finger protein 82 homolog (mouse) // 19q13.12 // 2844	0.237476	0.277557	0.933899	9.07E-05	1.22
8091283	NM_182943	PLOD2	NM_182943 // PLOD2 // procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 // 3q24	0.123307	0.115958	0.207682	9.07E-05	1.30
7994353	NM_018690	APOB48R	NM_018690 // APOB48R // apolipoprotein B48 receptor // 16p11 // 55911 /// ENST00	0.703	0.773137	0.209589	9.08E-05	-1.25
8116780	NM_004415	DSP	NM_004415 // DSP // desmoplakin // 6p24 // 1832 /// NM_001008844 // DSP // desmo	0.298382	0.987307	0.661832	9.10E-05	1.76
8160431	NR_027054	LOC554202	NR_027054 // LOC554202 // hypothetical LOC554202 // 9p21.3 // 554202	0.046814	0.310716	0.13744	9.15E-05	1.26
8156126	NM_024945	RMI1	NM_024945 // RMI1 // RMI1, RecQ mediated genome instability 1, homolog (S. cerev	0.392039	0.00834	0.905809	9.20E-05	1.24
8103769	NM_000860	HPGD	NM_000860 // HPGD // hydroxyprostaglandin dehydrogenase 15-(NAD) // 4q34-q35 //	0.649039	0.161184	0.167177	9.21E-05	-2.08
8075239	NM_001002878	THOC5	NM_001002878 // THOC5 // THO complex 5 // 22q12.2 // 8563 /// NM_001002879 // TH	0.127588	0.845629	0.993253	9.21E-05	-1.20
8015769	NR_027676	BRCA1	NR_027676 // BRCA1 // breast cancer 1, early onset // 17q21 // 672 /// NM_007294	0.942747	0.082863	0.458147	9.24E-05	1.24
7932826	NM_020848	KIAA1462	NM_020848 // KIAA1462 // KIAA1462 // 10p11.23 // 57608 /// ENST00000375377 // KI	0.26999	0.1434	0.58503	9.25E-05	-1.37
7973352	NM_014045	LRP10	NM_014045 // LRP10 // low density lipoprotein receptor-related protein 10 // 14q	0.011587	0.350473	0.77729	9.27E-05	-1.18
7918900	---		---	0.427441	0.082186	0.130358	9.27E-05	1.27

8130142	NM_032832	LRP11	NM_032832 // LRP11 // low density lipoprotein receptor-related protein 11 // 6q2	0.925092	0.345983	0.96893	9.28E-05	1.20
7966851	NM_016281	TAOK3	NM_016281 // TAOK3 // TAO kinase 3 // 12q // 51347 /// ENST00000392533 // TAOK3	0.523416	0.346525	0.050222	9.32E-05	-1.23
8170811	NM_020061	OPN1LW	NM_020061 // OPN1LW // opsin 1 (cone pigments), long-wave-sensitive // Xq28 // 5	0.627183	0.019578	0.0006385	9.33E-05	-1.24
7933084	NM_005746	NAMPT	NM_005746 // NAMPT // nicotinamide phosphoribosyltransferase // 7q22.3 // 10135	0.00058	0.565407	0.493403	9.34E-05	-1.60
8173444	NM_000206	IL2RG	NM_000206 // IL2RG // interleukin 2 receptor, gamma // Xq13.1 // 3561 /// ENST00	0.787716	0.65776	0.429929	9.34E-05	1.37
8061414	---		---	0.185112	0.912831	0.366259	9.36E-05	-1.24
8056343	NM_014900	COBLL1	NM_014900 // COBLL1 // COBL-like 1 // 2q24.3 // 22837 /// ENST00000342193 // COB	0.331962	0.341419	0.124916	9.40E-05	-1.26
8069676	NM_006988	ADAMTS1	NM_006988 // ADAMTS1 // ADAM metallopeptidase with thrombospondin type 1 motif,	0.211113	0.252138	0.9022	9.40E-05	-1.81
8031475	NM_139172	TMEM190	NM_139172 // TMEM190 // transmembrane protein 190 // 19q13.42 // 147744 /// ENST	0.662313	0.174348	0.0256905	9.43E-05	1.27
8151631	NR_003594	REXO1L2P	NR_003594 // REXO1L2P // REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 2	0.892898	0.273084	0.0278267	9.44E-05	-1.41
8004255	NM_181844	BCL6B	NM_181844 // BCL6B // B-cell CLL/lymphoma 6, member B // 17p13.1 // 255877 /// E	0.32065	0.172569	0.268459	9.47E-05	-1.37
8134680	NM_003439	ZKSCAN1	NM_003439 // ZKSCAN1 // zinc finger with KRAB and SCAN domains 1 // 7q22 // 7586	0.365842	0.173165	0.531852	9.50E-05	1.23

8039144	NM_001145303	TMC4	NM_001145303 // TMC4 // transmembrane channel-like 4 // 19q13.42 // 147798 /// N	0.240702	0.538567	0.936865	9.53E-05	1.34
8021653	NM_002640	SERPINB8	NM_002640 // SERPINB8 // serpin peptidase inhibitor, clade B (ovalbumin), member	0.043038	0.234798	0.448005	9.54E-05	-1.29
8025103	NM_001974	EMR1	NM_001974 // EMR1 // egf-like module containing, mucin-like, hormone receptor-li	0.719204	0.770269	0.295231	9.56E-05	-1.71
8094988	NM_025087	CWH43	NM_025087 // CWH43 // cell wall biogenesis 43 C-terminal homolog (S. cerevisiae)	0.516446	0.867942	0.981822	9.60E-05	1.93
8100737	NM_001076	UGT2B15	NM_001076 // UGT2B15 // UDP glucuronosyltransferase 2 family, polypeptide B15 //	0.669174	0.762026	0.42289	9.62E-05	1.30
7951108	---		---	0.000199	0.712968	0.243161	9.65E-05	-1.26
8102787	---		---	0.247266	0.025865	0.991889	9.68E-05	1.55
7942381	NM_033388	ATG16L2	NM_033388 // ATG16L2 // ATG16 autophagy related 16-like 2 (S. cerevisiae) // 11q	0.588536	0.509055	0.118673	9.76E-05	-1.19
8039672	---		---	0.414655	0.708879	0.134832	9.81E-05	1.22
8059672	---		---	0.021812	0.460528	0.706572	9.83E-05	1.26
8046333	NM_024843	CYBRD1	NM_024843 // CYBRD1 // cytochrome b reductase 1 // 2q31.1 // 79901 /// NM_001127	0.062398	0.01204	0.174835	9.91E-05	-1.34
8112202	NM_006622	PLK2	NM_006622 // PLK2 // polo-like kinase 2 // 5q12.1-q13.2 // 10769 /// ENST0000027	0.389634	0.158051	0.8997	9.91E-05	1.41
7985240	NM_007364	TMED3	NM_007364 // TMED3 // transmembrane emp24 protein transport domain containing 3	0.003641	0.295209	0.718947	9.92E-05	1.21
8044574	NM_173842	IL1RN	NM_173842 // IL1RN // interleukin 1 receptor antagonist // 2q14.2 // 3557 /// NM	0.13153	0.13753	0.0335376	9.94E-05	1.52

8151952	NM_024759	NIPAL2	NM_024759 // NIPAL2 // NIPA-like domain containing 2 // 8q22.2 // 79815 /// ENST	0.075226	0.017531	0.943893	9.99E-05	1.20
8058765	NM_212482	FN1	NM_212482 // FN1 // fibronectin 1 // 2q34 // 2335 /// NM_002026 // FN1 // fibron	0.175944	0.722951	0.306793	0.0001	1.25
8015133	NM_015515	KRT23	NM_015515 // KRT23 // keratin 23 (histone deacetylase inducible) // 17q21.2 // 2	0.101053	0.131785	0.332515	0.0001	1.62
8111887	NM_001005473	PLCXD3	NM_001005473 // PLCXD3 // phosphatidylinositol-specific phospholipase C, X domai	0.06744	0.482223	0.130078	0.000101	-1.31
8124527	NM_005322	HIST1H1B	NM_005322 // HIST1H1B // histone cluster 1, H1b // 6p22.1 // 3009 /// ENST000003	0.006945	0.914553	0.657431	0.000101	1.40
8054135	NM_012214	MGAT4A	NM_012214 // MGAT4A // mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylgluco	0.576731	0.71944	0.589301	0.000101	-1.27
8005847	NM_021137	TNFAIP1	NM_021137 // TNFAIP1 // tumor necrosis factor, alpha-induced protein 1 (endothel	0.026125	0.289429	0.384597	0.000101	-1.25
8023526	ENST00000446244	LOC1001329	ENST00000446244 // LOC100132992 // high-mobility group nucleosome binding domain	0.873113	0.319916	0.700998	0.000102	1.26
8037737	NM_002516	NOVA2	NM_002516 // NOVA2 // neuro-oncological ventral antigen 2 // 19q13.3 // 4858 ///	0.342227	0.070757	0.861655	0.000102	-1.19
8040473	NM_004040	RHOB	NM_004040 // RHOB // ras homolog gene family, member B // 2p24 // 388 /// ENST00	0.606422	0.03322	0.469471	0.000102	-1.33
8080344	NM_015136	STAB1	NM_015136 // STAB1 // stabilin 1 // 3p21.1 // 23166 /// ENST00000321725 // STAB1	0.20724	0.050016	0.006005	0.000102	-1.33

8171848	NM_004845	PCYT1B	NM_004845 // PCYT1B // phosphate cytidylyltransferase 1, choline, beta // Xp22.1	0.767481	0.342967	0.868108	0.000103	1.31
8155754	NM_153267	MAMDC2	NM_153267 // MAMDC2 // MAM domain containing 2 // 9q21.12 // 256691 /// ENST0000	0.002025	0.345135	0.155047	0.000103	-1.53
8135915	NM_013332	C7orf68	NM_013332 // C7orf68 // chromosome 7 open reading frame 68 // 7q32.1 // 29923 //	0.237983	0.610634	0.41766	0.000103	1.50
8121489	NM_001634	AMD1	NM_001634 // AMD1 // adenosylmethionine decarboxylase 1 // 6q21 // 262 /// NM_00	0.506978	0.326857	0.23754	0.000103	-1.25
8031260	NM_153443	KIR3DL3	NM_153443 // KIR3DL3 // killer cell immunoglobulin-like receptor, three domains,	0.663867	0.073698	0.0997967	0.000103	-1.19
7901272	NM_178033	CYP4X1	NM_178033 // CYP4X1 // cytochrome P450, family 4, subfamily X, polypeptide 1 //	0.108643	0.570464	0.83306	0.000103	1.65
7973896	NR_004430	RNU1-1	NR_004430 // RNU1-1 // RNA, U1 small nuclear 1 // 1p36.1 // 26871 /// NR_004427	0.275523	0.021368	0.993971	0.000103	1.51
7978568	NR_004430	RNU1-1	NR_004430 // RNU1-1 // RNA, U1 small nuclear 1 // 1p36.1 // 26871 /// NR_004427	0.275523	0.021368	0.993971	0.000103	1.51
8138592	AB052759	TRA2A	AB052759 // TRA2A // transformer 2 alpha homolog (Drosophila) // 7p15.3 // 29896	0.035684	0.430482	0.0555242	0.000104	1.40
8014956	NM_021724	NR1D1	NM_021724 // NR1D1 // nuclear receptor subfamily 1, group D, member 1 // 17q11.2	0.046437	0.556572	0.42998	0.000104	-1.41
8155930	NM_001490	GCNT1	NM_001490 // GCNT1 // glucosaminyl (N-acetyl) transferase 1, core 2 // 9q13 // 2	0.447091	0.540938	0.119835	0.000104	1.24

8092839	NM_001135057	LRRC15	NM_001135057 // LRRC15 // leucine rich repeat containing 15 // 3q29 // 131578 //	0.487669	0.504584	0.780065	0.000104	1.29
7964660	NM_000706	AVPR1A	NM_000706 // AVPR1A // arginine vasopressin receptor 1A // 12q14-q15 // 552 ///	0.296912	0.762539	0.700594	0.000105	1.41
7982597	NM_003246	THBS1	NM_003246 // THBS1 // thrombospondin 1 // 15q15 // 7057 /// ENST00000260356 // T	0.004051	0.84797	0.886918	0.000105	-1.77
7993024	NM_139170	C16orf71	NM_139170 // C16orf71 // chromosome 16 open reading frame 71 // 16p13.3 // 14656	0.570977	0.51876	0.987747	0.000105	1.26
8077270	NM_006614	CHL1	NM_006614 // CHL1 // cell adhesion molecule with homology to L1CAM (close homolo	0.512017	0.094378	0.613093	0.000105	1.53
7924760	NM_002221	ITPKB	NM_002221 // ITPKB // inositol 1,4,5-trisphosphate 3-kinase B // 1q42.13 // 3707	0.368626	0.001706	0.112344	0.000105	-1.21
7995838	NM_005952	MT1X	NM_005952 // MT1X // metallothionein 1X // 16q13 // 4501 /// ENST00000394485 //	0.134417	0.761068	0.553901	0.000105	-1.81
7971661	NR_029485	MIR15A	NR_029485 // MIR15A // microRNA 15a // 13q14.2 // 406948	0.286479	0.955993	0.0726123	0.000105	1.70
8123920	NM_017770	ELOVL2	NM_017770 // ELOVL2 // elongation of very long chain fatty acids (FEN1/Elo2, SUR	0.556574	0.924521	0.0409522	0.000106	1.35
8021376	NM_001144967	NEDD4L	NM_001144967 // NEDD4L // neural precursor cell expressed, developmentally down-	0.13502	0.176672	0.660284	0.000106	-1.34
7898375	NR_004430	RNU1-1	NR_004430 // RNU1-1 // RNA, U1 small nuclear 1 // 1p36.1 // 26871 /// NR_004427	0.300818	0.028572	0.994394	0.000106	1.51

7898411	NR_004430	RNU1-1	NR_004430 // RNU1-1 // RNA, U1 small nuclear 1 // 1p36.1 // 26871 /// NR_004427	0.300818	0.028572	0.994394	0.000106	1.51
7912800	NR_004430	RNU1-1	NR_004430 // RNU1-1 // RNA, U1 small nuclear 1 // 1p36.1 // 26871 /// NR_004427	0.300818	0.028572	0.994394	0.000106	1.51
7912850	NR_004430	RNU1-1	NR_004430 // RNU1-1 // RNA, U1 small nuclear 1 // 1p36.1 // 26871 /// NR_004427	0.300818	0.028572	0.994394	0.000106	1.51
7919576	NR_004430	RNU1-1	NR_004430 // RNU1-1 // RNA, U1 small nuclear 1 // 1p36.1 // 26871 /// NR_004427	0.300818	0.028572	0.994394	0.000106	1.51
7945162	NM_003658	BARX2	NM_003658 // BARX2 // BARX homeobox 2 // 11q25 // 8538 /// ENST00000281437 // BA	0.655691	0.691928	0.565385	0.000106	1.25
7951604	NM_017589	BTG4	NM_017589 // BTG4 // B-cell translocation gene 4 // 11q23 // 54766 /// ENST00000	0.645684	0.5689	0.990696	0.000107	1.27
8130765	BC112329	FAM103A1	BC112329 // FAM103A1 // family with sequence similarity 103, member A1 // 15q25.	0.614221	0.85171	0.545661	0.000107	-1.28
7906284	NM_144702	C1orf92	NM_144702 // C1orf92 // chromosome 1 open reading frame 92 // 1q23.1 // 149499 /	0.591935	0.531141	0.727141	0.000107	1.39
8095562	---		---	0.001976	0.877031	0.116215	0.000107	-1.21
8100308	---		---	0.435121	0.345879	0.0267131	0.000108	-1.84
8078888	NM_005201	CCR8	NM_005201 // CCR8 // chemokine (C-C motif) receptor 8 // 3p22 // 1237 /// ENST00	0.195588	0.559154	0.0924244	0.000108	1.27
8039896	NM_014512	KIR2DS1	NM_014512 // KIR2DS1 // killer cell immunoglobulin-like receptor, two domains, s	0.531167	0.073184	0.137467	0.000109	-1.21

7982006	NR_003360	SNORD116-2	NR_003360 // SNORD116-29 // small nucleolar RNA, C/D box 116-29 // 15q11.2 // 10	0.994781	0.438379	0.298311	0.000109	1.37
8161747	NM_001102420	ZFAND5	NM_001102420 // ZFAND5 // zinc finger, AN1-type domain 5 // 9q13-q21 // 7763 ///	0.865318	0.011097	0.195775	0.000109	-1.25
8168524	NM_014499	P2RY10	NM_014499 // P2RY10 // purinergic receptor P2Y, G-protein coupled, 10 // Xq21.1	0.842507	0.219551	0.487332	0.00011	1.35
8004842	NM_173728	ARHGEF15	NM_173728 // ARHGEF15 // Rho guanine nucleotide exchange factor (GEF) 15 // 17p1	0.621961	0.247413	0.0537123	0.00011	-1.26
8105523	NM_004520	KIF2A	NM_004520 // KIF2A // kinesin heavy chain member 2A // 5q12-q13 // 3796 /// NM_0	0.331581	0.052997	0.94302	0.000111	1.24
8141728	NM_022777	RABL5	NM_022777 // RABL5 // RAB, member RAS oncogene family-like 5 // 7q22.1 // 64792	0.573058	0.25337	0.988314	0.000111	1.32
8069795	NM_199328	CLDN8	NM_199328 // CLDN8 // claudin 8 // 21q22.11 // 9073 /// ENST00000399899 // CLDN8	0.303069	0.620913	0.676318	0.000112	1.95
7995820	NM_005947	MT1B	NM_005947 // MT1B // metallothionein 1B // 16q13 // 4490 /// ENST00000334346 //	0.006426	0.589625	0.462171	0.000112	-1.26
7934161	NM_005041	PRF1	NM_005041 // PRF1 // perforin 1 (pore forming protein) // 10q22 // 5551 /// NM_0	0.347798	0.103863	0.535463	0.000112	-1.47
8109490	NM_000337	SGCD	NM_000337 // SGCD // sarcoglycan, delta (35kDa dystrophin-associated glycoprotei	0.006239	0.442592	0.536673	0.000113	1.37
8161854	---		---	0.95315	0.762174	0.0028164	0.000113	-1.40
7914904	NM_032017	STK40	NM_032017 // STK40 // serine/threonine kinase 40 // 1p34.3 // 83931 /// ENST0000	0.008252	0.460323	0.0963416	0.000113	-1.19

8135422	NM_001008405	BCAP29	NM_001008405 // BCAP29 // B-cell receptor-associated protein 29 // 7q22-q31 // 5	0.3166	0.40826	0.855049	0.000113	-1.21
8099393	---		---	0.206815	0.076453	0.321064	0.000113	1.27
8176163	NM_001081573	GAB3	NM_001081573 // GAB3 // GRB2-associated binding protein 3 // Xq28 // 139716 ///	0.143703	0.781549	0.621782	0.000114	-1.23
8116530	NR_002592	SNORD96A	NR_002592 // SNORD96A // small nucleolar RNA, C/D box 96A // 5q35.3 // 619571	0.076603	0.978065	0.186397	0.000114	-1.28
8024885	NM_152362	TNFAIP8L1	NM_152362 // TNFAIP8L1 // tumor necrosis factor, alpha-induced protein 8-like 1	0.387558	0.457334	0.617583	0.000114	1.25
7978706	NM_004496	FOXA1	NM_004496 // FOXA1 // forkhead box A1 // 14q12-q13 // 3169 /// ENST00000250448 /	0.434215	0.502551	0.935456	0.000114	1.42
8073015	NM_006855	KDELR3	NM_006855 // KDELR3 // KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein rete	0.168659	0.207854	0.600416	0.000115	1.37
8141688	NM_001084	PLOD3	NM_001084 // PLOD3 // procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3 // 7q22	0.012658	0.972318	0.79327	0.000115	-1.21
7942417	NM_014786	ARHGEF17	NM_014786 // ARHGEF17 // Rho guanine nucleotide exchange factor (GEF) 17 // 11q1	0.345725	0.182376	0.856626	0.000116	-1.22
8161556	---		---	0.544375	0.524207	0.0097672	0.000116	-1.33
8155451	---		---	0.544375	0.524207	0.0097672	0.000116	-1.33
7953892	NM_016523	KLRF1	NM_016523 // KLRF1 // killer cell lectin-like receptor subfamily F, member 1 //	0.004978	0.293953	0.885965	0.000116	-1.35
8153939	NM_012079	DGAT1	NM_012079 // DGAT1 // diacylglycerol O-acyltransferase 1 // 8q24.3 // 8694 /// E	0.026062	0.041138	0.500415	0.000116	-1.18

8153684	NM_012079	DGAT1	NM_012079 // DGAT1 // diacylglycerol O-acyltransferase 1 // 8q24.3 // 8694 /// E	0.026062	0.041138	0.500415	0.000116	-1.18
8008388	NM_022827	SPATA20	NM_022827 // SPATA20 // spermatogenesis associated 20 // 17q21.33 // 64847 /// E	0.870907	0.231408	0.032529	0.000116	1.24
7913824	NM_020317	C1orf63	NM_020317 // C1orf63 // chromosome 1 open reading frame 63 // 1p36.13-p35.1 // 5	0.016	0.080952	0.292775	0.000116	1.26
8115997	NM_001031677	RAB24	NM_001031677 // RAB24 // RAB24, member RAS oncogene family // 5q35.3 // 53917 //	0.312718	0.142078	0.306703	0.000116	-1.20
7912547	NM_001146344	PRAMEF11	NM_001146344 // PRAMEF11 // PRAME family member 11 // 1p36.21 // 440560 /// NM_0	0.704744	0.718889	0.0071736	0.000116	-1.25
8172698	NR_027121	SHROOM4	NR_027121 // SHROOM4 // shroom family member 4 // Xp11.22 // 57477 /// NM_020717	0.287864	0.002562	0.208872	0.000117	-1.34
8083677	NM_014575	SCHIP1	NM_014575 // SCHIP1 // schwannomin interacting protein 1 // 3q25.32-q25.33 // 29	0.535945	0.557887	0.209987	0.000117	-1.22
7945641	NM_004420	DUSP8	NM_004420 // DUSP8 // dual specificity phosphatase 8 // 11p15.5 // 1850 /// ENST	0.022909	0.017039	0.446619	0.000118	-1.27
7935572	NM_032709	PYROXD2	NM_032709 // PYROXD2 // pyridine nucleotide-disulphide oxidoreductase domain 2 /	0.027921	0.980897	0.534225	0.000118	1.23
7908816	NM_001017403	LGR6	NM_001017403 // LGR6 // leucine-rich repeat-containing G protein-coupled recepto	0.474739	0.891281	0.977375	0.000118	1.22
8063043	NM_181802	UBE2C	NM_181802 // UBE2C // ubiquitin-conjugating enzyme E2C // 20q13.12 // 11065 ///	1.71E-05	0.744737	0.729436	0.000119	1.20

7982070	NR_003347	SNORD115-3	NR_003347 // SNORD115-32 // small nucleolar RNA, C/D box 115-32 // 15q11.2 // 10	0.024765	0.901437	0.0702907	0.00012	1.36
7938100	NM_000543	SMPD1	NM_000543 // SMPD1 // sphingomyelin phosphodiesterase 1, acid lysosomal // 11p15	0.103215	0.537423	0.98683	0.00012	-1.20
8166184	NM_007220	CA5B	NM_007220 // CA5B // carbonic anhydrase VB, mitochondrial // Xp21.1 // 11238 ///	0.013576	9.39E-05	0.919231	0.00012	1.21
8118721	NM_152735	ZBTB9	NM_152735 // ZBTB9 // zinc finger and BTB domain containing 9 // 6p21.32 // 2215	0.815032	0.626358	0.889421	0.00012	-1.32
8062623	NM_002660	PLCG1	NM_002660 // PLCG1 // phospholipase C, gamma 1 // 20q12-q13.1 // 5335 /// NM_182	0.012075	0.06718	0.593496	0.000121	-1.22
8129953	NM_006734	HIVEP2	NM_006734 // HIVEP2 // human immunodeficiency virus type I enhancer binding prot	0.202385	0.380162	0.591401	0.000121	1.37
7992191	NM_012217	TPSD1	NM_012217 // TPSD1 // tryptase delta 1 // 16p13.3 // 23430 /// ENST00000211076 /	0.312942	0.618306	0.129846	0.000121	1.25
7930454	NM_145341	PDCD4	NM_145341 // PDCD4 // programmed cell death 4 (neoplastic transformation inhibit	0.000496	0.304392	0.824489	0.000121	1.27
8145490	NM_173174	PTK2B	NM_173174 // PTK2B // PTK2B protein tyrosine kinase 2 beta // 8p21.1 // 2185 ///	0.275636	0.55333	0.688011	0.000122	-1.19
8088397	NM_003500	ACOX2	NM_003500 // ACOX2 // acyl-CoA oxidase 2, branched chain // 3p14.3 // 8309 /// E	0.006996	0.170847	0.123298	0.000122	1.17
8023598	NM_173557	RNF152	NM_173557 // RNF152 // ring finger protein 152 // 18q21.33 // 220441 /// ENST000	0.816987	0.236209	0.0721583	0.000122	-1.30

7993458	NM_033201	C16orf45	NM_033201 // C16orf45 // chromosome 16 open reading frame 45 // 16p13.11 // 8992	0.470666	0.880013	0.629141	0.000123	1.23
8046759	NM_018981	DNAJC10	NM_018981 // DNAJC10 // DnaJ (Hsp40) homolog, subfamily C, member 10 // 2q32.1 /	0.922365	0.023885	0.878216	0.000123	1.25
8095005	---		---	0.863247	0.761972	0.0003621	0.000123	-2.27
7917276	NM_012152	LPAR3	NM_012152 // LPAR3 // lysophosphatidic acid receptor 3 // 1p22.3 // 23566 /// EN	0.959684	0.810764	0.951231	0.000124	1.39
8056837	NM_001033045	GPR155	NM_001033045 // GPR155 // G protein-coupled receptor 155 // 2q31.1 // 151556 ///	0.00399	0.159281	0.295603	0.000125	1.27
7975081	BC068989	C14orf50	BC068989 // C14orf50 // chromosome 14 open reading frame 50 // 14q23.3 // 145376	0.529059	0.098894	0.95958	0.000125	1.43
7948912	NM_000738	CHRM1	NM_000738 // CHRM1 // cholinergic receptor, muscarinic 1 // 11q13 // 1128 /// EN	0.985437	0.729095	0.131586	0.000126	-1.22
8091556	---		---	0.349353	0.953954	0.906774	0.000126	-1.29
7989157	---		---	0.608679	0.04268	0.160284	0.000127	1.37
8017704	NR_026903	AMZ2P1	NR_026903 // AMZ2P1 // archaelysin family metallopeptidase 2 pseudogene 1 // 17q	0.204758	0.282736	0.155909	0.000127	1.32
8170882	NM_001183	ATP6AP1	NM_001183 // ATP6AP1 // ATPase, H+ transporting, lysosomal accessory protein 1 /	0.080002	0.168996	0.499512	0.000127	-1.19
8154512	NM_001040272	ADAMTSL1	NM_001040272 // ADAMTSL1 // ADAMTS-like 1 // 9p21.3 // 92949 /// ENST00000380548	0.508344	0.33862	0.616362	0.000127	1.23
8097717	NM_024605	ARHGAP10	NM_024605 // ARHGAP10 // Rho GTPase activating protein 10 // 4q31.23 // 79658 //	0.020166	0.17278	0.960084	0.000127	-1.26

7897236	NM_003636	KCNAB2	NM_003636 // KCNAB2 // potassium voltage-gated channel, shaker-related subfamily	0.729945	0.805426	0.0801161	0.000127	-1.29
7916822	BC047053	C1orf141	BC047053 // C1orf141 // chromosome 1 open reading frame 141 // 1p31.3 // 400757	0.765882	0.197323	0.921393	0.000128	1.62
7902158	NM_152665	TCTEX1D1	NM_152665 // TCTEX1D1 // Tctex1 domain containing 1 // 1p31.3 // 200132 /// ENST	0.211211	0.116715	0.479311	0.000129	1.53
7919787	NM_032132	HORMAD1	NM_032132 // HORMAD1 // HORMA domain containing 1 // 1q21.3 // 84072 /// ENST000	0.72249	0.002412	0.597586	0.000129	1.50
8148158	NM_145647	WDR67	NM_145647 // WDR67 // WD repeat domain 67 // 8q24.13 // 93594 /// NM_001145088 /	0.205255	0.560595	0.207247	0.000129	1.23
8065569	NM_138578	BCL2L1	NM_138578 // BCL2L1 // BCL2-like 1 // 20q11.21 // 598 /// NM_001191 // BCL2L1 //	0.005201	0.027366	0.796843	0.000129	-1.23
8026877	NM_000453	SLC5A5	NM_000453 // SLC5A5 // solute carrier family 5 (sodium iodide symporter), member	0.337662	0.222397	0.737202	0.000129	1.39
7992219	NM_003933	BAIAP3	NM_003933 // BAIAP3 // BAI1-associated protein 3 // 16p13.3 // 8938 /// ENST0000	0.657812	0.308139	0.917924	0.000129	1.37
8169365	NM_032227	TMEM164	NM_032227 // TMEM164 // transmembrane protein 164 // Xq22.3 // 84187 /// NM_0176	0.222395	0.494916	0.202459	0.00013	-1.35
7971965	AK097079	LOC1001298	AK097079 // LOC100129884 // hypothetical protein LOC100129884 // 13q22.1 // 1001	0.461478	0.187566	0.837108	0.00013	-1.22
7992867	NR_033904	FLJ39639	NR_033904 // FLJ39639 // hypothetical protein FLJ39639 // 16p13.3 // 283876	0.036675	0.531752	0.459724	0.00013	-1.21

8046124	NM_005771	DHRS9	NM_005771 // DHRS9 // dehydrogenase/reductase (SDR family) member 9 // 2q31.1 //	0.836506	0.074501	0.597473	0.000131	1.46
8000482	NM_015171	XPO6	NM_015171 // XPO6 // exportin 6 // 16p11.2 // 23214 /// ENST00000304658 // XPO6	0.064664	0.257522	0.458469	0.000131	-1.19
7898663	NM_032409	PINK1	NM_032409 // PINK1 // PTEN induced putative kinase 1 // 1p36 // 65018 /// ENST00	0.703551	0.050626	0.924786	0.000131	-1.20
8144857	NM_001160170	NAT1	NM_001160170 // NAT1 // N-acetyltransferase 1 (arylamine N-acetyltransferase) //	0.64877	0.143447	0.638389	0.000131	1.25
8047503	---		---	0.75398	0.126428	0.787274	0.000131	1.43
8113113	NM_173665	C5orf36	NM_173665 // C5orf36 // chromosome 5 open reading frame 36 // 5q15 // 285600 ///	0.114426	0.26285	0.805377	0.000132	1.28
7940160	NM_015177	DTX4	NM_015177 // DTX4 // deltex homolog 4 (Drosophila) // 11q12.1 // 23220 /// ENST0	0.323973	0.974813	0.955018	0.000134	1.26
7943919	NM_017868	TTC12	NM_017868 // TTC12 // tetratricopeptide repeat domain 12 // 11q23.2 // 54970 ///	0.761575	0.274907	0.805304	0.000134	1.32
8149109	NM_001925	DEFA4	NM_001925 // DEFA4 // defensin, alpha 4, corticostatin // 8p23 // 1669 /// ENST0	0.346021	0.220963	0.778143	0.000134	-1.23
7910014	NM_014184	CNIH4	NM_014184 // CNIH4 // cornichon homolog 4 (Drosophila) // 1q42.11 // 29097 /// E	0.28853	0.186541	0.141395	0.000134	-1.20
7912157	NM_018948	ERRFI1	NM_018948 // ERRFI1 // ERBB receptor feedback inhibitor 1 // 1p36 // 54206 /// E	0.140881	0.072688	0.214147	0.000135	-1.44
8072678	NM_002133	HMOX1	NM_002133 // HMOX1 // heme oxygenase (decycling) 1 // 22q12|22q13.1 // 3162 ///	0.000708	0.390157	0.975121	0.000135	-1.47

7937713	NM_138567	SYT8	NM_138567 // SYT8 // synaptotagmin VIII // 11p15.5 // 90019 /// ENST00000381968	0.764963	0.115947	0.704264	0.000136	1.35
7926786	NM_019043	APBB1IP	NM_019043 // APBB1IP // amyloid beta (A4) precursor protein-binding, family B, m	0.838986	0.207508	0.725474	0.000136	-1.31
8007134	NM_033191	KRTAP9-4	NM_033191 // KRTAP9-4 // keratin associated protein 9-4 // 17q12-q21 // 85280 //	0.978593	0.899376	0.0063081	0.000136	-1.18
7914084	NM_207397	CD164L2	NM_207397 // CD164L2 // CD164 sialomucin-like 2 // 1p36.11 // 388611 /// ENST000	0.296225	0.928078	0.657661	0.000136	1.27
8112940	NM_012446	SSBP2	NM_012446 // SSBP2 // single-stranded DNA binding protein 2 // 5q14.1 // 23635 /	0.013634	0.346596	0.822792	0.000136	1.23
7914184	NM_001164721	PTAFR	NM_001164721 // PTAFR // platelet-activating factor receptor // 1p35-p34.3 // 57	0.619966	0.807557	0.326395	0.000136	-1.21
7933279	NM_001018071	FRMPD2	NM_001018071 // FRMPD2 // FERM and PDZ domain containing 2 // 10q11.22 // 143162	0.312131	0.417377	0.704021	0.000137	1.53
7933394	NM_001018071	FRMPD2	NM_001018071 // FRMPD2 // FERM and PDZ domain containing 2 // 10q11.22 // 143162	0.312131	0.417377	0.704021	0.000137	1.53
7993713	NM_153208	IQCK	NM_153208 // IQCK // IQ motif containing K // 16p12.3 // 124152 /// ENST00000320	0.251578	0.108255	0.885681	0.000138	1.35
7978260	NM_001136050	DHRS1	NM_001136050 // DHRS1 // dehydrogenase/reductase (SDR family) member 1 // 14q12	0.510587	0.001538	0.934325	0.000139	1.20
8101828	NM_005723	TSPAN5	NM_005723 // TSPAN5 // tetraspanin 5 // 4q23 // 10098 /// ENST00000305798 // TSP	0.657864	0.085814	0.667988	0.000139	1.23

8092800	NM_032279	ATP13A4	NM_032279 // ATP13A4 // ATPase type 13A4 // 3q29 // 84239 /// ENST00000342695 //	0.074033	0.020464	0.318938	0.000139	-1.51
8088958	NM_000158	GBE1	NM_000158 // GBE1 // glucan (1,4-alpha-), branching enzyme 1 // 3p12.3 // 2632 /	0.436347	0.244687	0.980024	0.000141	-1.22
7952601	NM_001143820	ETS1	NM_001143820 // ETS1 // v-ets erythroblastosis virus E26 oncogene homolog 1 (avi	0.984641	0.085252	0.0529977	0.000141	-1.25
8042283	NM_014181	HSPC159	NM_014181 // HSPC159 // galectin-related protein // 2p14 // 29094 /// BC036082 /	0.028603	0.452213	0.210769	0.000141	-1.30
8085431	NM_024923	NUP210	NM_024923 // NUP210 // nucleoporin 210kDa // 3p25.1 // 23225 /// ENST00000254508	0.412579	0.806962	0.894123	0.000142	1.24
7981514	NM_138420	AHNAK2	NM_138420 // AHNAK2 // AHNAK nucleoprotein 2 // 14q32.33 // 113146 /// ENST00000	0.384025	0.796355	0.151412	0.000142	1.43
8126891	NM_003296	CRISP2	NM_003296 // CRISP2 // cysteine-rich secretory protein 2 // 6p12.3 // 7180 /// N	0.942345	0.00014	0.136344	0.000143	1.33
8034342	AK292455	ZNF625	AK292455 // ZNF625 // zinc finger protein 625 // 19p13.2 // 90589 /// AK096560 /	0.043381	0.047067	0.7162	0.000143	1.24
7912343	NM_001079843	CASZ1	NM_001079843 // CASZ1 // castor zinc finger 1 // 1p36.22 // 54897 /// ENST000003	0.239641	0.556186	0.878625	0.000143	-1.25
7934411	NM_152586	USP54	NM_152586 // USP54 // ubiquitin specific peptidase 54 // 10q22.2 // 159195 /// E	0.072065	0.184696	0.393131	0.000143	-1.29
8027260	NM_052852	ZNF486	NM_052852 // ZNF486 // zinc finger protein 486 // 19p12 // 90649 /// BC027608 //	0.113398	0.821557	0.44525	0.000143	1.26

8051135	NM_015662	IFT172	NM_015662 // IFT172 // intraflagellar transport 172 homolog (Chlamydomonas) // 2	0.045963	0.357699	0.709107	0.000145	1.45
7916185	NM_001009881	ZCCHC11	NM_001009881 // ZCCHC11 // zinc finger, CCHC domain containing 11 // 1p32.3 // 2	0.03071	0.068262	0.963806	0.000146	1.21
8034744	NM_001145028	PALM3	NM_001145028 // PALM3 // paralemmin 3 // 19p13.12 // 342979 /// ENST00000340790	0.023844	0.123548	0.551628	0.000147	-1.23
7918457	NM_002232	KCNA3	NM_002232 // KCNA3 // potassium voltage-gated channel, shaker-related subfamily,	0.223136	0.401019	0.140542	0.000147	1.37
7954245	NM_019012	PLEKHA5	NM_019012 // PLEKHA5 // pleckstrin homology domain containing, family A member 5	0.005281	0.765031	0.320106	0.000148	1.28
7997179	NM_001361	DHODH	NM_001361 // DHODH // dihydroorotate dehydrogenase // 16q22 // 1723 /// ENST0000	0.100109	0.140424	0.197062	0.000148	-1.20
7939158	NM_001076786	QSER1	NM_001076786 // QSER1 // glutamine and serine rich 1 // 11p13 // 79832 /// ENST0	0.53096	0.153392	0.4421	0.000148	1.19
8029728	NM_000164	GIPR	NM_000164 // GIPR // gastric inhibitory polypeptide receptor // 19q13.3 // 2696	0.39063	0.393529	0.280398	0.000148	1.28
7902687	NM_001554	CYR61	NM_001554 // CYR61 // cysteine-rich, angiogenic inducer, 61 // 1p22.3 // 3491 //	0.349393	0.00389	0.341949	0.000149	-1.75
7970507	---		---	0.03339	0.544515	0.991966	0.000149	-1.30
8018937	NM_025090	USP36	NM_025090 // USP36 // ubiquitin specific peptidase 36 // 17q25.3 // 57602 /// EN	0.409507	0.528688	0.552337	0.000149	-1.19
8103206	NM_033632	FBXW7	NM_033632 // FBXW7 // F-box and WD repeat domain containing 7 // 4q31.3 // 55294	0.150316	0.358878	0.930033	0.000149	1.26
8128865	---		---	0.175356	0.679332	0.369615	0.00015	1.23

8133741	NM_030570	UPK3B	NM_030570 // UPK3B // uroplakin 3B // 7q11.2 // 80761 /// NM_182684 // UPK3B //	0.668376	0.037037	0.376673	0.00015	-1.36
7985310	NM_021214	FAM108C1	NM_021214 // FAM108C1 // family with sequence similarity 108, member C1 // 15q25	0.349679	0.053689	0.698368	0.000151	-1.20
8001147	NM_198490	RAB43	NM_198490 // RAB43 // RAB43, member RAS oncogene family // 3q21.3 // 339122 ///	0.146247	0.121891	0.908172	0.000151	-1.21
8056113	NM_002349	LY75	NM_002349 // LY75 // lymphocyte antigen 75 // 2q24 // 4065 /// ENST00000263636 /	0.123051	0.088182	0.250359	0.000151	1.37
8056766	NM_003705	SLC25A12	NM_003705 // SLC25A12 // solute carrier family 25 (mitochondrial carrier, Aralar	0.039539	0.057971	0.664784	0.000152	1.25
7918149	---		---	0.134685	0.5621	0.963258	0.000152	1.28
8062119	BC103840	MT1P3	BC103840 // MT1P3 // metallothionein 1 pseudogene 3 // 20q11.2 // 140851 /// BC1	0.022061	0.488868	0.530576	0.000152	-1.30
8042040	NM_001039753	EML6	NM_001039753 // EML6 // echinoderm microtubule associated protein like 6 // 2p16	0.949766	0.135216	0.0655704	0.000152	1.23
8148674	NM_139021	MAPK15	NM_139021 // MAPK15 // mitogen-activated protein kinase 15 // --- // 225689 ///	0.275723	0.18551	0.744154	0.000152	1.35
8113097	NM_001145678	C5orf36	NM_001145678 // C5orf36 // chromosome 5 open reading frame 36 // 5q15 // 285600	0.117529	0.19993	0.99392	0.000153	1.35
7945344	NR_024368	FLJ45340	NR_024368 // FLJ45340 // hypothetical LOC402483 // 7q32.1 // 402483 /// AK303004	0.570859	0.737111	0.028154	0.000153	-1.26
8175393	NM_004840	ARHGEF6	NM_004840 // ARHGEF6 // Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6 //	0.002018	0.026284	0.0684801	0.000154	-1.29

8038861	NM_001245	SIGLEC6	NM_001245 // SIGLEC6 // sialic acid binding Ig-like lectin 6 // 19q13.3 // 946 /	0.001108	0.216915	0.591743	0.000155	1.30
7951246	NM_002424	MMP8	NM_002424 // MMP8 // matrix metallopeptidase 8 (neutrophil collagenase) // 11q22	0.280768	0.57163	0.379961	0.000155	-1.70
8151603	---		---	0.683328	0.34451	0.0538645	0.000155	-1.36
8151607	NR_003594	REXO1L2P	NR_003594 // REXO1L2P // REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 2	0.683328	0.34451	0.0538645	0.000155	-1.36
8151623	NR_003594	REXO1L2P	NR_003594 // REXO1L2P // REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 2	0.683328	0.34451	0.0538645	0.000155	-1.36
7977016	---		---	0.095013	0.873011	0.984184	0.000155	-1.22
7965510	NM_020698	TMCC3	NM_020698 // TMCC3 // transmembrane and coiled-coil domain family 3 // 12q22 //	0.996556	0.052121	0.525623	0.000155	-1.29
8157947	NM_001099270	ZBTB34	NM_001099270 // ZBTB34 // zinc finger and BTB domain containing 34 // 9q33.3 //	0.166282	0.331844	0.944138	0.000155	-1.19
8031992	NR_024368	FLJ45340	NR_024368 // FLJ45340 // hypothetical LOC402483 // 7q32.1 // 402483 /// AK303004	0.790503	0.958118	0.0102633	0.000155	-1.28
7902738	NM_012128	CLCA4	NM_012128 // CLCA4 // chloride channel accessory 4 // 1p31-p22 // 22802 /// NR_0	0.017383	0.044061	0.358112	0.000156	1.33
8125470	NM_002120	HLA-DOB	NM_002120 // HLA-DOB // major histocompatibility complex, class II, DO beta // 6	0.949683	0.619246	0.234748	0.000156	1.40
8147661	NM_003114	SPAG1	NM_003114 // SPAG1 // sperm associated antigen 1 // 8q22.2 // 6674 /// NM_172218	0.894685	0.135647	0.843124	0.000156	1.43

8111019	NM_001369	DNAH5	NM_001369 // DNAH5 // dynein, axonemal, heavy chain 5 // 5p15.2 // 1767 /// ENST	0.653843	0.524963	0.765092	0.000156	2.13
7906085	NM_170707	LMNA	NM_170707 // LMNA // lamin A/C // 1q22 // 4000 /// NM_170708 // LMNA // lamin A/	0.025737	0.192981	0.481284	0.000156	1.28
7966596	NM_138451	IQCD	NM_138451 // IQCD // IQ motif containing D // 12q24.13 // 115811 /// ENST0000029	0.770966	0.190172	0.669164	0.000157	1.28
8115196	NM_001172831	ZNF300	NM_001172831 // ZNF300 // zinc finger protein 300 // 5q33.1 // 91975 /// NM_0528	0.188544	0.069973	0.0695201	0.000158	1.21
7903592	NM_020775	KIAA1324	NM_020775 // KIAA1324 // KIAA1324 // 1p13.3 // 57535 /// ENST00000234923 // KIAA	0.163544	0.766004	0.71914	0.000158	2.02
8054664	NM_032494	ZC3H8	NM_032494 // ZC3H8 // zinc finger CCCH-type containing 8 // 2q13 // 84524 /// EN	0.009517	0.003268	0.0204157	0.000159	1.19
7974029	BC103915	TTC6	BC103915 // TTC6 // tetratricopeptide repeat domain 6 // 14q21.1 // 319089 /// B	0.301807	0.93122	0.961766	0.000161	1.40
8047854	NM_001142300	CCNYL1	NM_001142300 // CCNYL1 // cyclin Y-like 1 // 2q33.3 // 151195 /// NM_152523 // C	0.247279	0.905551	0.316785	0.000161	-1.22
8113489	---		---	0.945828	0.268369	0.641007	0.000161	1.18
8110668	---		---	0.672626	0.059423	0.0536504	0.000161	-1.32
7973084	NM_001145	ANG	NM_001145 // ANG // angiogenin, ribonuclease, RNase A family, 5 // 14q11.1-q11.2	0.038917	0.212321	0.656471	0.000161	-1.25
7998307	NM_001031737	CCDC78	NM_001031737 // CCDC78 // coiled-coil domain containing 78 // 16p13.3 // 124093	0.59438	0.337331	0.92176	0.000162	1.26

8009685	NM_004252	SLC9A3R1	NM_004252 // SLC9A3R1 // solute carrier family 9 (sodium/hydrogen exchanger), me	0.594737	0.238644	0.931301	0.000164	1.23
8102594	NM_024873	TNIP3	NM_024873 // TNIP3 // TNFAIP3 interacting protein 3 // 4q27 // 79931 /// NM_0011	0.009953	0.035611	0.0438851	0.000166	1.73
8093494	NM_175918	CRIPAK	NM_175918 // CRIPAK // cysteine-rich PAK1 inhibitor // 4p16.3 // 285464 /// ENST	0.04903	0.821489	0.0637273	0.000166	-1.37
8169221	NM_001169154	CXorf41	NM_001169154 // CXorf41 // chromosome X open reading frame 41 // Xq22.3 // 13921	0.60666	0.131606	0.99938	0.000166	1.53
8098193	---		---	0.886056	0.295139	0.18017	0.000166	-1.57
8104492	NM_031916	ROPN1L	NM_031916 // ROPN1L // ropporin 1-like // 5p15.2 // 83853 /// ENST00000274134 //	0.435319	0.363581	0.989187	0.000166	2.15
8057486	NM_005019	PDE1A	NM_005019 // PDE1A // phosphodiesterase 1A, calmodulin-dependent // 2q32.1 // 51	0.005638	0.445507	0.546748	0.000166	1.37
8157264	NM_001860	SLC31A2	NM_001860 // SLC31A2 // solute carrier family 31 (copper transporters), member 2	0.30146	0.208325	0.125063	0.000166	-1.33
8018196	NM_139018	CD300LF	NM_139018 // CD300LF // CD300 molecule-like family member f // 17q25.1 // 146722	0.85691	0.403434	0.139955	0.000167	-1.31
7990457	NM_006715	MAN2C1	NM_006715 // MAN2C1 // mannosidase, alpha, class 2C, member 1 // 15q11-q13 // 41	0.604114	0.381763	0.269176	0.000167	-1.20
8076223	NR_002439	SNORD43	NR_002439 // SNORD43 // small nucleolar RNA, C/D box 43 // 22q13 // 26807	0.751821	0.916931	0.0117602	0.000168	-1.27
7943442	NM_001377	DYNC2H1	NM_001377 // DYNC2H1 // dynein, cytoplasmic 2, heavy chain 1 // 11q21-q22.1 // 7	0.066624	0.17841	0.879126	0.000168	1.56

8034097	NR_024333	LOC147727	NR_024333 // LOC147727 // hypothetical LOC147727 // 19p13.2 // 147727 /// AL8321	0.423228	0.154952	0.27117	0.000168	-1.25
8099259	NM_198595	AFAP1	NM_198595 // AFAP1 // actin filament associated protein 1 // 4p16 // 60312 /// N	0.787468	0.614896	0.835335	0.000168	1.21
7897966	NM_152290	C1orf158	NM_152290 // C1orf158 // chromosome 1 open reading frame 158 // 1p36.21 // 93190	0.271932	0.256558	0.99488	0.000169	1.69
7992795	NM_024339	THOC6	NM_024339 // THOC6 // THO complex 6 homolog (Drosophila) // 16p13.3 // 79228 ///	0.000247	0.057589	0.264399	0.000169	-1.16
8050557	NM_001006946	SDC1	NM_001006946 // SDC1 // syndecan 1 // 2p24.1 // 6382 /// NM_002997 // SDC1 // sy	0.581829	0.40627	0.110574	0.000169	1.19
7950899	NM_022337	RAB38	NM_022337 // RAB38 // RAB38, member RAS oncogene family // 11q14 // 23682 /// EN	0.305517	0.78652	0.305618	0.00017	1.23
7977445	NR_026800	KIAA0125	NR_026800 // KIAA0125 // KIAA0125 // 14q32.33 // 9834	0.505634	0.961654	0.598304	0.000171	1.36
8028984	NM_000774	CYP2F1	NM_000774 // CYP2F1 // cytochrome P450, family 2, subfamily F, polypeptide 1 //	0.814618	0.421387	0.534604	0.000171	1.77
8084630	NR_033752	LOC344887	NR_033752 // LOC344887 // NmrA-like family domain containing 1 pseudogene // 3q2	0.366744	0.708224	0.0505972	0.000172	-1.18
8121768	NM_181794	PKIB	NM_181794 // PKIB // protein kinase (cAMP-dependent, catalytic) inhibitor beta /	0.402438	0.011367	0.332768	0.000172	1.22
8097116	---		---	0.664994	0.016055	0.0999798	0.000172	-1.40
8076195	NM_002608	PDGFB	NM_002608 // PDGFB // platelet-derived growth factor beta polypeptide (simian sa	0.527279	0.53864	0.39753	0.000173	-1.37

7988350	NM_014080	DUOX2	NM_014080 // DUOX2 // dual oxidase 2 // 15q15.3 // 50506 /// ENST00000389039 //	0.609657	0.829377	0.465424	0.000173	-1.18
7970513	NM_145061	SKA3	NM_145061 // SKA3 // spindle and kinetochore associated complex subunit 3 // 13q	0.000616	0.159621	0.461706	0.000173	1.22
8077472	NM_181874	GRM7	NM_181874 // GRM7 // glutamate receptor, metabotropic 7 // 3p26.1-p25.1 // 2917	0.379314	0.15243	0.798187	0.000173	1.25
8003824	NM_004937	CTNS	NM_004937 // CTNS // cystinosis, nephropathic // 17p13 // 1497 /// NM_001031681	0.167595	0.15969	0.914529	0.000174	-1.18
8128034	NM_018064	AKIRIN2	NM_018064 // AKIRIN2 // akirin 2 // 6q15 // 55122 /// ENST00000257787 // AKIRIN2	0.72171	0.416853	0.54849	0.000175	-1.22
7955441	NM_014033	METTL7A	NM_014033 // METTL7A // methyltransferase like 7A // 12q13.12 // 25840 /// ENST0	0.06192	0.251464	0.611015	0.000176	-1.32
7910047	NM_001373	DNAH14	NM_001373 // DNAH14 // dynein, axonemal, heavy chain 14 // 1q42.12 // 127602 ///	0.78037	0.619621	0.904582	0.000176	1.39
8151619	NR_003594	REXO1L2P	NR_003594 // REXO1L2P // REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 2	0.824603	0.240387	0.0280955	0.000177	-1.36
8028851	NM_138392	SHKBP1	NM_138392 // SHKBP1 // SH3KBP1 binding protein 1 // 19q13.2 // 92799 /// ENST000	0.001256	0.73716	0.553709	0.000177	-1.16
7914938	---		---	0.682476	0.659025	0.780308	0.000177	1.55
8091678	NM_024621	VEPH1	NM_024621 // VEPH1 // ventricular zone expressed PH domain homolog 1 (zebrafish)	0.606509	0.094261	0.0443159	0.000177	-1.97
8088335	---		---	0.425109	0.292335	0.264931	0.000179	1.39

8072004	NR_029395	IGLL3P	NR_029395 // IGLL3P // immunoglobulin lambda-like polypeptide 3, pseudogene // 2	0.485932	0.291943	0.361625	0.000179	1.19
7919729	NM_016022	APH1A	NM_016022 // APH1A // anterior pharynx defective 1 homolog A (C. elegans) // 1p3	0.087299	0.072254	0.776996	0.000179	-1.18
8083576	NM_001004316	LEKR1	NM_001004316 // LEKR1 // leucine, glutamate and lysine rich 1 // 3q25.31 // 3891	0.566392	0.132075	0.906129	0.000179	1.36
8136839	NM_002652	PIP	NM_002652 // PIP // prolactin-induced protein // 7q34 // 5304 /// ENST0000029100	0.707174	0.011641	0.780155	0.00018	2.02
7912198	NM_001428	ENO1	NM_001428 // ENO1 // enolase 1, (alpha) // 1p36.2 // 2023 /// ENST00000234590 //	0.000791	0.868274	0.898872	0.000182	-1.22
8069668	NM_052954	CYYR1	NM_052954 // CYYR1 // cysteine/tyrosine-rich 1 // 21q21.2 // 116159 /// ENST0000	0.006458	0.203514	0.0790223	0.000182	-1.29
7984014	---		---	0.963845	0.27571	0.620976	0.000184	-1.21
7953181	NM_019854	PRMT8	NM_019854 // PRMT8 // protein arginine methyltransferase 8 // 12p13.3 // 56341 /	0.144945	0.389727	0.3596	0.000187	1.26
8122440	NM_032860	LTV1	NM_032860 // LTV1 // LTV1 homolog (S. cerevisiae) // 6q24.2 // 84946 /// ENST000	0.15462	0.003317	0.995935	0.000187	-1.27
7974109	NM_152447	LRFN5	NM_152447 // LRFN5 // leucine rich repeat and fibronectin type III domain contai	0.162194	0.818842	0.645431	0.000188	1.21
8021081	NM_001128588	SLC14A1	NM_001128588 // SLC14A1 // solute carrier family 14 (urea transporter), member 1	0.037207	0.303605	0.111086	0.000189	-1.28
8002249	NM_018667	SMPD3	NM_018667 // SMPD3 // sphingomyelin phosphodiesterase 3, neutral membrane (neutr	0.921057	0.64064	0.626004	0.000191	1.22

7901336	NM_018571	STRADB	NM_018571 // STRADB // STE20-related kinase adaptor beta // 2q33.1 // 55437 ///	0.001294	0.283347	0.12297	0.000191	-1.23
8167560	NM_001098406	GAGE12J	NM_001098406 // GAGE12J // G antigen 12J // Xp11.23 // 729396 /// NM_001098412 /	0.536152	0.015058	3.84E-05	0.000191	-1.83
8154563	NM_001010887	ACER2	NM_001010887 // ACER2 // alkaline ceramidase 2 // 9p22.1 // 340485 /// ENST00000	0.217881	0.630998	0.809375	0.000191	1.19
8167234	NM_006743	RBM3	NM_006743 // RBM3 // RNA binding motif (RNP1, RRM) protein 3 // Xp11.2 // 5935 /	0.567722	0.231131	0.667606	0.000192	-1.23
7897460	NM_032315	SLC25A33	NM_032315 // SLC25A33 // solute carrier family 25, member 33 // 1p36.22 // 84275	0.014113	0.912738	0.89975	0.000192	-1.24
8117377	NM_005321	HIST1H1E	NM_005321 // HIST1H1E // histone cluster 1, H1e // 6p21.3 // 3008 /// ENST000003	0.328055	0.8665	0.649799	0.000192	-1.40
8022145	NM_173464	L3MBTL4	NM_173464 // L3MBTL4 // l(3)mbt-like 4 (Drosophila) // 18p11.31 // 91133 /// ENS	0.039387	0.132603	0.536567	0.000195	-1.20
7925743	NM_001004692	OR2T12	NM_001004692 // OR2T12 // olfactory receptor, family 2, subfamily T, member 12 /	0.830686	0.972253	0.0235228	0.000195	-1.21
8000932	NM_001014979	C16orf93	NM_001014979 // C16orf93 // chromosome 16 open reading frame 93 // 16p11.2 // 90	0.39585	0.279491	0.711618	0.000197	1.46
8099504	---		---	0.765401	0.093757	0.493733	0.000197	1.41
8161568	---		---	0.359938	0.92506	0.204417	0.000198	1.38
7915504	NM_022821	ELOVL1	NM_022821 // ELOVL1 // elongation of very long chain fatty acids (FEN1/Elo2, SUR	0.049114	0.271774	0.865223	0.000198	-1.18

8114964	NM_003122	SPINK1	NM_003122 // SPINK1 // serine peptidase inhibitor, Kazal type 1 // 5q32 // 6690	0.011982	0.719224	0.0133622	0.000199	1.48
8055350	NM_030923	TMEM163	NM_030923 // TMEM163 // transmembrane protein 163 // 2q21.3 // 81615 /// ENST000	0.211073	0.808851	0.138584	0.0002	-1.46
7954104	NM_018179	ATF7IP	NM_018179 // ATF7IP // activating transcription factor 7 interacting protein //	0.000457	0.19185	0.712838	0.0002	1.18
8126324	NM_002630	PGC	NM_002630 // PGC // progastricsin (pepsinogen C) // 6p21.3-p21.1 // 5225 /// NM_	0.050342	0.58065	0.814334	0.000201	-2.25
7943562	NM_018712	ELMOD1	NM_018712 // ELMOD1 // ELMO/CED-12 domain containing 1 // 11q22.3 // 55531 /// N	0.613004	0.192561	0.176509	0.000201	1.25
8169969	NM_032458	PHF6	NM_032458 // PHF6 // PHD finger protein 6 // Xq26.3 // 84295 /// NM_001015877 //	0.410703	0.006378	0.482831	0.000201	1.19
8021199	NM_002747	MAPK4	NM_002747 // MAPK4 // mitogen-activated protein kinase 4 // 18q21.2 // 5596 ///	0.666742	0.009164	0.334061	0.000202	-1.19
8121225	NM_175768	GRIK2	NM_175768 // GRIK2 // glutamate receptor, ionotropic, kainate 2 // 6q16.3-q21 //	0.787845	0.106393	0.835131	0.000202	1.19
8158147	NM_052901	SLC25A25	NM_052901 // SLC25A25 // solute carrier family 25 (mitochondrial carrier; phosph	0.04141	0.036629	0.383851	0.000203	-1.34
7919749	---		---	0.285457	0.032745	0.808007	0.000203	-1.79
7967030	NR_003925	RNU4-1	NR_003925 // RNU4-1 // RNA, U4 small nuclear 1 // 12q24.31 // 26835	0.002748	0.266137	0.133696	0.000203	1.39
7963614	NM_000889	ITGB7	NM_000889 // ITGB7 // integrin, beta 7 // 12q13.13 // 3695 /// ENST00000422257 /	0.902084	0.463294	0.678313	0.000204	1.37

7916986	NM_173808	NEGR1	NM_173808 // NEGR1 // neuronal growth regulator 1 // 1p31.1 // 257194 /// ENST00	0.002947	0.925518	0.152819	0.000204	-1.35
8163908	NR_003191	GGTA1	NR_003191 // GGTA1 // glycoprotein, alpha-galactosyltransferase 1 pseudogene //	0.044161	0.683714	0.411897	0.000205	1.34
8127698	NM_017934	PHIP	NM_017934 // PHIP // pleckstrin homology domain interacting protein // 6q14 // 5	0.00151	0.508234	0.808683	0.000206	1.18
8114780	NM_016580	PCDH12	NM_016580 // PCDH12 // protocadherin 12 // 5q31 // 51294 /// ENST00000231484 //	0.861352	0.172906	0.162777	0.000206	-1.36
8107307	NM_001744	CAMK4	NM_001744 // CAMK4 // calcium/calmodulin-dependent protein kinase IV // 5q21.3 /	0.785748	0.72325	0.789452	0.000206	1.35
8136807	NM_002770	PRSS2	NM_002770 // PRSS2 // protease, serine, 2 (trypsin 2) // 7q34 // 5645 /// ENST00	0.149797	0.522314	0.705584	0.000206	1.78
8156373	NM_001083536	FGD3	NM_001083536 // FGD3 // FYVE, RhoGEF and PH domain containing 3 // --- // 89846	0.215985	0.543991	0.778088	0.000206	-1.21
8110721	NM_024786	ZDHHC11	NM_024786 // ZDHHC11 // zinc finger, DHHC-type containing 11 // 5p15.33 // 79844	0.23554	0.309584	0.570434	0.000206	1.38
8059477	NM_000092	COL4A4	NM_000092 // COL4A4 // collagen, type IV, alpha 4 // 2q35-q37 // 1286 /// ENST00	0.08197	0.283526	0.370354	0.000207	-1.20
8143054	NM_001628	AKR1B1	NM_001628 // AKR1B1 // aldo-keto reductase family 1, member B1 (aldose reductase	0.907475	0.055815	0.457493	0.000207	-1.24
8018038	NM_018672	ABCA5	NM_018672 // ABCA5 // ATP-binding cassette, sub-family A (ABC1), member 5 // 17q	0.112793	0.234846	0.782026	0.000208	1.34

8066256	NR_002910	SNORA71B	NR_002910 // SNORA71B // small nucleolar RNA, H/ACA box 71B // 20q11.23 // 26776	0.020457	0.672644	0.165329	0.000208	1.34
8124534	NM_003546	HIST1H4L	NM_003546 // HIST1H4L // histone cluster 1, H4l // 6p22.1 // 8368 /// BC069392 /	0.040335	0.925443	0.718451	0.000208	1.22
8151615	---		---	0.846383	0.251335	0.055055	0.000208	-1.36
8167774	NM_001031745	RIBC1	NM_001031745 // RIBC1 // RIB43A domain with coiled-coils 1 // Xp11.22 // 158787	0.717672	0.391197	0.899187	0.000208	1.37
8174361	NM_198057	TSC22D3	NM_198057 // TSC22D3 // TSC22 domain family, member 3 // Xq22.3 // 1831 /// NM_0	0.417426	0.145307	0.883881	0.00021	-1.41
8054281	NM_198461	LONRF2	NM_198461 // LONRF2 // LON peptidase N-terminal domain and ring finger 2 // 2q11	0.223819	0.160093	0.715833	0.000211	1.31
7975602	NM_006821	ACOT2	NM_006821 // ACOT2 // acyl-CoA thioesterase 2 // 14q24.3 // 10965 /// ENST000002	0.343276	0.019927	0.465933	0.000211	-1.28
8176286	NM_018390	PLCXD1	NM_018390 // PLCXD1 // phosphatidylinositol-specific phospholipase C, X domain c	0.953285	0.761705	0.813295	0.000212	-1.27
8098611	NM_003265	TLR3	NM_003265 // TLR3 // toll-like receptor 3 // 4q35 // 7098 /// ENST00000296795 //	0.074966	0.948047	0.17112	0.000212	-1.30
8019804	NR_033770	ROCK1P1	NR_033770 // ROCK1P1 // Rho-associated, coiled-coil containing protein kinase 1	0.658627	0.81139	0.118101	0.000213	-1.39
8059680	NM_000867	HTR2B	NM_000867 // HTR2B // 5-hydroxytryptamine (serotonin) receptor 2B // 2q36.3-q37.	0.066519	0.214869	0.362527	0.000213	1.19
8090098	NM_053025	MYLK	NM_053025 // MYLK // myosin light chain kinase // 3q21 // 4638 /// NM_053026 //	0.007818	0.792397	0.094442	0.000214	-1.27

7938364	BX641032	WEE1	BX641032 // WEE1 // WEE1 homolog (S. pombe) // 11p15.3-p15.1 // 7465	0.22501	0.530005	0.716693	0.000214	1.43
8113433	NM_001962	EFNA5	NM_001962 // EFNA5 // ephrin-A5 // 5q21 // 1946 /// ENST00000333274 // EFNA5 //	0.281204	0.325435	0.462602	0.000214	1.30
8121916	NM_032784	RSPO3	NM_032784 // RSPO3 // R-spondin 3 homolog (Xenopus laevis) // 6q22.33 // 84870 /	0.38559	0.725534	0.337057	0.000215	1.46
8127502	NR_026807	C6orf155	NR_026807 // C6orf155 // chromosome 6 open reading frame 155 // 6q13 // 79940	0.026083	0.545839	0.911138	0.000216	-1.51
8140319	NM_005338	HIP1	NM_005338 // HIP1 // huntingtin interacting protein 1 // 7q11.23 // 3092 /// ENS	0.379691	0.319527	0.761585	0.000217	-1.28
8090637	---		---	0.669429	0.870973	0.0004891	0.000217	-1.29
8147848	NM_181354	OXR1	NM_181354 // OXR1 // oxidation resistance 1 // 8q23 // 55074 /// NM_001198532 //	0.008224	0.674231	0.786932	0.000217	1.28
8073522	NM_004599	SREBF2	NM_004599 // SREBF2 // sterol regulatory element binding transcription factor 2	0.146554	0.289182	0.133954	0.000217	-1.20
8075857	NM_003312	TST	NM_003312 // TST // thiosulfate sulfurtransferase (rhodanese) // 22q13.1 // 7263	0.334832	0.362803	0.486142	0.000218	-1.20
8087481	NM_001007540	CDHR4	NM_001007540 // CDHR4 // cadherin-related family member 4 // 3p21.31 // 389118 /	0.400559	0.448449	0.816575	0.000218	1.70
7969626	NM_180989	GPR180	NM_180989 // GPR180 // G protein-coupled receptor 180 // 13q32.1 // 160897 /// E	0.775256	0.48036	0.584578	0.000219	1.22
8020321	---		---	0.158703	0.20811	0.101105	0.00022	1.38
7942858	NM_182603	ANKRD42	NM_182603 // ANKRD42 // ankyrin repeat domain 42 // 11q14.1 // 338699 /// ENST00	0.157949	0.02221	0.874744	0.00022	1.35

8036284	NM_001864	COX7A1	NM_001864 // COX7A1 // cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	0.930803	0.410401	0.496846	0.00022	-1.28
7954029	NM_004064	CDKN1B	NM_004064 // CDKN1B // cyclin-dependent kinase inhibitor 1B (p27, Kip1) // 12p13	0.033928	0.21424	0.359126	0.000221	-1.20
8006440	NM_006273	CCL7	NM_006273 // CCL7 // chemokine (C-C motif) ligand 7 // 17q11.2-q12 // 6354 /// E	0.000745	0.077982	0.562295	0.000221	1.26
7961702	NM_004982	KCNJ8	NM_004982 // KCNJ8 // potassium inwardly-rectifying channel, subfamily J, member	0.573693	0.188896	0.885678	0.000223	-1.20
8132406	NM_005402	RALA	NM_005402 // RALA // v-ral simian leukemia viral oncogene homolog A (ras related	0.875422	0.451666	0.248209	0.000223	-1.32
8088337	---		---	0.17867	0.217572	0.257347	0.000224	1.33
8060977	NM_001009608	C20orf94	NM_001009608 // C20orf94 // chromosome 20 open reading frame 94 // 20p12.2 // 12	0.143338	0.162093	0.957412	0.000225	1.24
7988467	NM_000138	FBN1	NM_000138 // FBN1 // fibrillin 1 // 15q21.1 // 2200 /// ENST00000316623 // FBN1	0.687257	0.913564	0.300111	0.000226	1.46
8015685	NM_001991	EZH1	NM_001991 // EZH1 // enhancer of zeste homolog 1 (Drosophila) // 17q21.1-q21.3 /	0.000397	0.877421	0.92141	0.000227	-1.23
7980861	NM_024764	CATSPERB	NM_024764 // CATSPERB // cation channel, sperm-associated, beta // 14q32.12 // 7	0.01148	0.025967	0.288213	0.000228	1.42
8004201	NR_002710	ALOX12P2	NR_002710 // ALOX12P2 // arachidonate 12-lipoxygenase pseudogene 2 // 17p13 // 2	0.369865	0.360952	0.934461	0.000228	1.23
8110032	NM_153607	C5orf41	NM_153607 // C5orf41 // chromosome 5 open reading frame 41 // 5q35.1 // 153222 /	0.000382	0.878563	0.131524	0.000229	-1.21

8154100	NM_003383	VLDLR	NM_003383 // VLDLR // very low density lipoprotein receptor // 9p24 // 7436 ///	0.738751	0.038042	0.0400067	0.00023	1.23
8031090	NM_145814	CACNG6	NM_145814 // CACNG6 // calcium channel, voltage-dependent, gamma subunit 6 // 19	0.77338	0.463015	0.630224	0.00023	1.27
8178324	AF032109	ZNRD1-AS	AF032109 // ZNRD1-AS // ZNRD1 antisense RNA (non-protein coding) // 6p22.1 // 80	0.061854	0.078752	0.474111	0.00023	1.23
7912863	NR_002729	MST1P9	NR_002729 // MST1P9 // macrophage stimulating 1 (hepatocyte growth factor-like)	0.318975	0.14989	0.264737	0.000232	-1.20
8094130	NM_001105662	USP17	NM_001105662 // USP17 // ubiquitin specific peptidase 17 // 4p15 // 391627 /// N	0.991607	0.590279	0.0095013	0.000232	-1.77
7930194	NM_017649	CNNM2	NM_017649 // CNNM2 // cyclin M2 // 10q24.32 // 54805 /// NM_199076 // CNNM2 // c	0.011791	0.492967	0.963642	0.000233	1.20
7983143	NM_020759	STARD9	NM_020759 // STARD9 // StAR-related lipid transfer (START) domain containing 9 /	0.003487	0.039841	0.497417	0.000233	-1.38
8108995	NM_054023	SCGB3A2	NM_054023 // SCGB3A2 // secretoglobin, family 3A, member 2 // 5q32 // 117156 ///	0.125081	0.128813	0.335202	0.000233	2.08
8165711	NM_018390	PLCXD1	NM_018390 // PLCXD1 // phosphatidylinositol-specific phospholipase C, X domain c	0.90551	0.505085	0.758709	0.000235	-1.25
8165672	L23320	RFC1	L23320 // RFC1 // replication factor C (activator 1) 1, 145kDa // 4p14-p13 // 59	0.895082	0.850071	0.0934144	0.000236	-1.90
7978838	NM_018139	C14orf104	NM_018139 // C14orf104 // chromosome 14 open reading frame 104 // 14q21.3 // 551	0.587719	0.379007	0.286564	0.000236	1.22

7939007	NM_001009909	LUZP2	NM_001009909 // LUZP2 // leucine zipper protein 2 // 11p14.3 // 338645 /// ENST0	0.534507	0.259106	0.344689	0.000237	1.23
7982938	NM_006293	TYRO3	NM_006293 // TYRO3 // TYRO3 protein tyrosine kinase // 15q15 // 7301 /// ENST000	0.376682	0.071962	0.561029	0.000238	-1.22
8144397	NM_201402	USP17L2	NM_201402 // USP17L2 // ubiquitin specific peptidase 17-like 2 // 8p23.1 // 3776	0.716326	0.689874	0.0067336	0.000238	-1.84
8149241	NM_201402	USP17L2	NM_201402 // USP17L2 // ubiquitin specific peptidase 17-like 2 // 8p23.1 // 3776	0.716326	0.689874	0.0067336	0.000238	-1.84
7988921	NM_000259	MYO5A	NM_000259 // MYO5A // myosin VA (heavy chain 12, myoxin) // 15q21 // 4644 /// NM	0.949758	0.217218	0.266005	0.000238	1.22
8102950	NM_003866	INPP4B	NM_003866 // INPP4B // inositol polyphosphate-4-phosphatase, type II, 105kDa //	0.00088	0.447372	0.233338	0.000238	1.32
8123246	NM_021977	SLC22A3	NM_021977 // SLC22A3 // solute carrier family 22 (extraneuronal monoamine transp	0.70419	0.208353	0.194181	0.000239	-1.45
8142524	NM_012338	TSPAN12	NM_012338 // TSPAN12 // tetraspanin 12 // 7q31.31 // 23554 /// ENST00000222747 /	0.234938	0.122578	0.165214	0.00024	-1.35
8129728	NM_001134831	AHI1	NM_001134831 // AHI1 // Abelson helper integration site 1 // 6q23.3 // 54806 ///	0.200745	0.518694	0.498535	0.00024	1.22
8048518	NR_003063	TUBA4B	NR_003063 // TUBA4B // tubulin, alpha 4b (pseudogene) // 2q35 // 80086	0.421266	0.28362	0.381232	0.000241	1.34
7907260	NR_002601	FMO6P	NR_002601 // FMO6P // flavin containing monooxygenase 6 pseudogene // 1q24.3 //	0.328959	0.11132	0.961988	0.000242	1.47

8177782	NM_024839	RPP21	NM_024839 // RPP21 // ribonuclease P/MRP 21kDa subunit // 6p22.1 // 79897 /// EN	0.085694	0.927306	0.654307	0.000242	-1.19
8179097	NM_024839	RPP21	NM_024839 // RPP21 // ribonuclease P/MRP 21kDa subunit // 6p22.1 // 79897 /// EN	0.085694	0.927306	0.654307	0.000242	-1.19
7988414	NM_001482	GATM	NM_001482 // GATM // glycine amidinotransferase (L-arginine:glycine amidinotrans	0.000181	0.966096	0.177637	0.000242	1.35
8100615	NM_018227	UBA6	NM_018227 // UBA6 // ubiquitin-like modifier activating enzyme 6 // 4q13.2 // 55	0.575912	0.200938	0.718888	0.000242	1.19
8078857	NM_145755	TTC21A	NM_145755 // TTC21A // tetratricopeptide repeat domain 21A // 3p22.2 // 199223 /	0.179003	0.152688	0.950509	0.000243	1.45
8121214	---		---	0.637309	0.341694	0.0160524	0.000244	1.32
8115147	NM_001025159	CD74	NM_001025159 // CD74 // CD74 molecule, major histocompatibility complex, class I	0.107542	0.532641	0.0331367	0.000244	1.19
8091190	NM_001184	ATR	NM_001184 // ATR // ataxia telangiectasia and Rad3 related // 3q22-q24 // 545 //	0.382352	0.138055	0.142111	0.000244	1.23
8055426	NM_005915	MCM6	NM_005915 // MCM6 // minichromosome maintenance complex component 6 // 2q21 // 4	0.184999	0.181938	0.768811	0.000245	1.26
8082003	NM_018456	EAF2	NM_018456 // EAF2 // ELL associated factor 2 // 3q13.33 // 55840 /// ENST0000027	0.791074	0.039835	0.506376	0.000245	1.28
8165575	NM_001098537	PNPLA7	NM_001098537 // PNPLA7 // patatin-like phospholipase domain containing 7 // 9q34	0.005196	0.525275	0.280379	0.000246	-1.19
7921773	NM_030916	PVRL4	NM_030916 // PVRL4 // poliovirus receptor-related 4 // 1q22-q23.2 // 81607 /// E	0.900278	0.730306	0.8601	0.000246	1.26

7906757	NM_001136219	FCGR2A	NM_001136219 // FCGR2A // Fc fragment of IgG, low affinity IIa, receptor (CD32)	0.8289	0.682666	0.0359528	0.000247	-1.42
8061883	NM_130852	PLUNC	NM_130852 // PLUNC // palate, lung and nasal epithelium associated // 20q11.2 //	0.97207	0.016119	0.275644	0.000247	3.55
8176572	---		---	0.991062	0.642816	0.0899162	0.000247	-1.49
7992639	NM_020705	TBC1D24	NM_020705 // TBC1D24 // TBC1 domain family, member 24 // 16p13.3 // 57465 /// EN	0.025152	0.371185	0.148929	0.000248	-1.22
7905154	BC027999	C1orf51	BC027999 // C1orf51 // chromosome 1 open reading frame 51 // 1q21.2 // 148523 //	0.009878	0.679191	0.905403	0.00025	-1.29
8157534	NM_007018	CEP110	NM_007018 // CEP110 // centrosomal protein 110kDa // 9q33.2 // 11064 /// ENST000	0.037211	0.084478	0.865369	0.00025	1.30
8049075	NM_145236	B3GNT7	NM_145236 // B3GNT7 // UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransfera	0.19834	0.618567	0.879795	0.00025	-1.18
7999079	NM_001116	ADCY9	NM_001116 // ADCY9 // adenylate cyclase 9 // 16p13.3 // 115 /// ENST00000294016	0.139376	0.059095	0.237687	0.000252	-1.19
8089568	NM_138806	CD200R1	NM_138806 // CD200R1 // CD200 receptor 1 // 3q13.2 // 131450 /// NM_170780 // CD	0.003422	0.452205	0.108235	0.000254	1.35
7904751	BC017770	RBM8A	BC017770 // RBM8A // RNA binding motif protein 8A // 1q12 // 9939 /// BC071577 /	0.551664	0.706803	0.777294	0.000256	-1.25
7912928	NM_003000	SDHB	NM_003000 // SDHB // succinate dehydrogenase complex, subunit B, iron sulfur (Ip	0.017575	0.234472	0.595733	0.000256	-1.21
8063955	NM_007346	OGFR	NM_007346 // OGFR // opioid growth factor receptor // 20q13.3 // 11054 /// ENST0	0.872837	0.466963	0.18263	0.000257	-1.17

8111129	NM_033414	ZNF622	NM_033414 // ZNF622 // zinc finger protein 622 // 5p15.1 // 90441 /// ENST000003	0.376644	0.558375	0.575791	0.000258	-1.21
7907297	NM_002022	FMO4	NM_002022 // FMO4 // flavin containing monooxygenase 4 // 1q24.3 // 2329 /// ENS	0.069835	0.154498	0.32499	0.000259	1.26
7974341	NM_053064	GNG2	NM_053064 // GNG2 // guanine nucleotide binding protein (G protein), gamma 2 //	0.921687	0.849947	0.89564	0.000261	1.25
7922637	NM_145034	TOR1AIP2	NM_145034 // TOR1AIP2 // torsin A interacting protein 2 // 1q25.2 // 163590 ///	0.758704	0.742768	0.143211	0.000261	-1.21
7961120	NM_197947	CLEC7A	NM_197947 // CLEC7A // C-type lectin domain family 7, member A // 12p13.2 // 645	0.320969	0.584056	0.415292	0.000261	-1.43
7940654	NM_003357	SCGB1A1	NM_003357 // SCGB1A1 // secretoglobin, family 1A, member 1 (uteroglobin) // 11q1	0.016681	0.389465	0.120024	0.000261	2.47
8160346	NM_001010915	PTPLAD2	NM_001010915 // PTPLAD2 // protein tyrosine phosphatase-like A domain containing	0.049461	0.513927	0.623282	0.000262	1.23
7991374	NM_002168	IDH2	NM_002168 // IDH2 // isocitrate dehydrogenase 2 (NADP+), mitochondrial // 15q26.	0.002136	0.504306	0.362073	0.000263	1.19
8103106	NM_006726	LRBA	NM_006726 // LRBA // LPS-responsive vesicle trafficking, beach and anchor contai	0.095827	0.646155	0.616341	0.000264	1.23
7925452	NM_022469	GREM2	NM_022469 // GREM2 // gremlin 2 // 1q43 // 64388 /// ENST00000318160 // GREM2 //	0.234942	0.069184	0.790783	0.000264	1.30
8140386	NM_016086	STYXL1	NM_016086 // STYXL1 // serine/threonine/tyrosine interacting-like 1 // 7q11.23 /	0.471579	0.76044	0.80838	0.000266	1.25

8140556	NM_000601	HGF	NM_000601 // HGF // hepatocyte growth factor (hepapoietin A; scatter factor) //	0.658076	0.755382	0.74774	0.000267	1.39
8171079	NM_012227	GTPBP6	NM_012227 // GTPBP6 // GTP binding protein 6 (putative) // Xp22.33; Yp11.32 // 8	0.263701	0.45349	0.119083	0.000268	-1.17
8009040	NM_006039	MRC2	NM_006039 // MRC2 // mannose receptor, C type 2 // 17q23.2 // 9902 /// ENST00000	0.741048	0.539059	0.951112	0.000269	1.24
8127380	NM_016571	LGSN	NM_016571 // LGSN // lengsin, lens protein with glutamine synthetase domain // 6	0.761352	0.067779	0.373809	0.000269	1.52
8094134	NR_027279	USP17L6P	NR_027279 // USP17L6P // ubiquitin specific peptidase 17-like 6 (pseudogene) //	0.705261	0.736119	0.0191547	0.00027	-2.26
8121685	NM_173674	DCBLD1	NM_173674 // DCBLD1 // discoidin, CUB and LCCL domain containing 1 // 6q22.1 //	0.461897	0.852872	0.95101	0.00027	1.19
7962895	NM_016594	FKBP11	NM_016594 // FKBP11 // FK506 binding protein 11, 19 kDa // 12q13.12 // 51303 ///	0.003335	0.397515	0.26473	0.000271	1.32
8091737	NM_020800	IFT80	NM_020800 // IFT80 // intraflagellar transport 80 homolog (Chlamydomonas) // 3q2	0.00578	0.018904	0.996734	0.000271	1.26
8145954	NM_006283	TACC1	NM_006283 // TACC1 // transforming, acidic coiled-coil containing protein 1 // 8	0.064165	0.295247	0.622178	0.000273	-1.20
7898967	NM_001010980	C1orf130	NM_001010980 // C1orf130 // chromosome 1 open reading frame 130 // 1p36.11 // 40	0.765527	0.04119	0.282331	0.000273	-1.19
8095362	NM_005953	MT2A	NM_005953 // MT2A // metallothionein 2A // 16q13 // 4502 /// ENST00000245185 //	0.035877	0.392826	0.804174	0.000273	-1.61

7934767	NM_138812	DYDC1	NM_138812 // DYDC1 // DPY30 domain containing 1 // 10q23.1 // 143241 /// ENST000	0.290183	0.304623	0.852511	0.000273	1.35
8169473	NM_005032	PLS3	NM_005032 // PLS3 // plastin 3 // Xq23 // 5358 /// NM_001136025 // PLS3 // plast	0.445638	0.102414	0.0264869	0.000274	-1.23
7953428	NM_000616	CD4	NM_000616 // CD4 // CD4 molecule // 12pter-p12 // 920 /// NM_001195014 // CD4 //	0.363845	0.707822	0.243583	0.000276	1.28
8051187	NM_022823	FNDC4	NM_022823 // FNDC4 // fibronectin type III domain containing 4 // 2p23.3 // 6483	0.019888	0.348314	0.917679	0.000277	1.19
8167973	NM_138737	HEPH	NM_138737 // HEPH // hephaestin // Xq11-q12 // 9843 /// NM_001130860 // HEPH //	0.278266	0.570938	0.532886	0.000277	1.39
8162531	---		---	0.057813	0.415152	0.715839	0.000279	-1.68
8020352	---		---	0.694332	0.586784	0.642059	0.000279	1.33
7969048	---		---	0.355211	0.141083	0.449169	0.000279	1.21
8078227	NM_003884	KAT2B	NM_003884 // KAT2B // K(lysine) acetyltransferase 2B // 3p24 // 8850 /// ENST000	0.015023	0.813848	0.106979	0.00028	-1.20
8048014	NM_199229	RPE	NM_199229 // RPE // ribulose-5-phosphate-3-epimerase // 2q32-q33.3 // 6120 /// N	0.021886	0.013317	0.556612	0.000282	1.19
8048717	NM_152386	SGPP2	NM_152386 // SGPP2 // sphingosine-1-phosphate phosphatase 2 // 2q36.1 // 130367	0.000108	0.077164	0.119277	0.000285	1.44
8034334	NM_021143	ZNF20	NM_021143 // ZNF20 // zinc finger protein 20 // 19p13.2 // 7568 /// ENST00000334	0.713218	0.509097	0.657565	0.000285	1.20
7977854	NM_032876	JUB	NM_032876 // JUB // jub, ajuba homolog (Xenopus laevis) // 14q11.2 // 84962 ///	0.067424	0.005698	0.524543	0.000286	-1.24

7980958	NM_005606	LGMN	NM_005606 // LGMN // legumain // 14q32.1 // 5641 /// NM_001008530 // LGMN // leg	0.176492	0.753789	0.268215	0.000289	1.23
7938687	NM_005013	NUCB2	NM_005013 // NUCB2 // nucleobindin 2 // 11p15.1 // 4925 /// ENST00000323688 // N	0.6773	0.114627	0.789406	0.000289	1.32
7943349	NM_152432	ARHGAP42	NM_152432 // ARHGAP42 // Rho GTPase activating protein 42 // 11q22.1 // 143872 /	0.1587	0.294372	0.349092	0.00029	1.28
8121418	NM_003080	SMPD2	NM_003080 // SMPD2 // sphingomyelin phosphodiesterase 2, neutral membrane (neutr	0.79028	0.228293	0.547978	0.000291	1.39
7999886	---		---	0.091246	0.063387	0.8184	0.000291	1.61
8138189	NM_002947	RPA3	NM_002947 // RPA3 // replication protein A3, 14kDa // 7p22 // 6119 /// ENST00000	0.456503	0.470975	0.269965	0.000292	1.21
8093304	NM_003965	CCRL2	NM_003965 // CCRL2 // chemokine (C-C motif) receptor-like 2 // 3p21 // 9034 ///	0.139562	0.50721	0.345921	0.000293	-1.31
8140140	NM_001306	CLDN3	NM_001306 // CLDN3 // claudin 3 // 7q11.23 // 1365 /// ENST00000395145 // CLDN3	0.236837	0.682694	0.720162	0.000293	1.27
8080226	NM_015512	DNAH1	NM_015512 // DNAH1 // dynein, axonemal, heavy chain 1 // 3p21.1 // 25981 /// ENS	0.191427	0.256968	0.30643	0.000295	1.29
8113103	NM_001145678	C5orf36	NM_001145678 // C5orf36 // chromosome 5 open reading frame 36 // 5q15 // 285600	0.068494	0.159517	0.864666	0.000295	1.44
7973850	NM_004274	AKAP6	NM_004274 // AKAP6 // A kinase (PRKA) anchor protein 6 // 14q12 // 9472 /// ENST	0.00179	0.261992	0.578564	0.000298	1.38
8089795	NM_005694	COX17	NM_005694 // COX17 // COX17 cytochrome c oxidase assembly homolog (S. cerevisiae	0.098475	0.578113	0.350382	0.000298	-1.20

8105596	NM_001029875	RGS7BP	NM_001029875 // RGS7BP // regulator of G-protein signaling 7 binding protein //	0.001465	0.267105	0.159749	0.000299	1.37
7947531	NM_014186	COMMD9	NM_014186 // COMMD9 // COMM domain containing 9 // 11p13 // 29099 /// NM_0011016	0.433496	0.068438	0.1234	0.000299	-1.19
8041867	NM_000251	MSH2	NM_000251 // MSH2 // mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)	0.275717	0.359572	0.787811	0.0003	1.28
7973709	NM_004554	NFATC4	NM_004554 // NFATC4 // nuclear factor of activated T-cells, cytoplasmic, calcine	0.348756	0.9268	0.78396	0.0003	1.20
8038760	NM_015596	KLK13	NM_015596 // KLK13 // kallikrein-related peptidase 13 // 19q13.33 // 26085 /// E	0.992912	0.824601	0.823731	0.000301	1.21
8094116	NM_001105662	USP17	NM_001105662 // USP17 // ubiquitin specific peptidase 17 // 4p15 // 391627 /// N	0.869066	0.528219	0.0100838	0.000302	-1.74
8094118	NM_001105662	USP17	NM_001105662 // USP17 // ubiquitin specific peptidase 17 // 4p15 // 391627 /// N	0.869066	0.528219	0.0100838	0.000302	-1.74
8094120	NM_001105662	USP17	NM_001105662 // USP17 // ubiquitin specific peptidase 17 // 4p15 // 391627 /// N	0.869066	0.528219	0.0100838	0.000302	-1.74
8094124	NM_001105662	USP17	NM_001105662 // USP17 // ubiquitin specific peptidase 17 // 4p15 // 391627 /// N	0.869066	0.528219	0.0100838	0.000302	-1.74
8094126	NM_001105662	USP17	NM_001105662 // USP17 // ubiquitin specific peptidase 17 // 4p15 // 391627 /// N	0.869066	0.528219	0.0100838	0.000302	-1.74
8094128	NM_001105662	USP17	NM_001105662 // USP17 // ubiquitin specific peptidase 17 // 4p15 // 391627 /// N	0.869066	0.528219	0.0100838	0.000302	-1.74

8094132	NM_001105662	USP17	NM_001105662 // USP17 // ubiquitin specific peptidase 17 // 4p15 // 391627 /// N	0.869066	0.528219	0.0100838	0.000302	-1.74
8164013	NM_001171137	STRBP	NM_001171137 // STRBP // spermatid perinuclear RNA binding protein // 9q33.3 //	0.332754	0.136575	0.885236	0.000302	1.40
7915609	NM_001013632	TCTEX1D4	NM_001013632 // TCTEX1D4 // Tctex1 domain containing 4 // 1p34.1 // 343521 /// N	0.773351	0.91601	0.26216	0.000302	1.19
8104812	NM_144725	TTC23L	NM_144725 // TTC23L // tetratricopeptide repeat domain 23-like // 5p13.2 // 1536	0.612011	0.338905	0.984956	0.000303	1.40
8052753	NM_182536	GKN2	NM_182536 // GKN2 // gastrokine 2 // 2p13.3 // 200504 /// ENST00000328895 // GKN	0.202619	0.194765	0.396263	0.000304	-1.89
8135378	NM_002736	PRKAR2B	NM_002736 // PRKAR2B // protein kinase, cAMP-dependent, regulatory, type II, bet	0.011884	0.812917	0.341865	0.000304	-1.23
8013307	NR_026718	FOXO3B	NR_026718 // FOXO3B // forkhead box O3B pseudogene // 17p11 // 2310 /// NM_00145	0.613846	0.243474	0.841335	0.000304	-1.23
7908728	---		---	0.60009	0.743207	0.0298539	0.000305	-1.21
8022434	---		---	0.113136	0.682092	0.0184953	0.000306	-1.20
8097017	NM_001128174	UGT8	NM_001128174 // UGT8 // UDP glycosyltransferase 8 // 4q26 // 7368 /// NM_003360	0.038869	0.210892	0.129927	0.000307	1.18
7946579	NM_006691	LYVE1	NM_006691 // LYVE1 // lymphatic vessel endothelial hyaluronan receptor 1 // 11p1	0.720539	0.542041	0.791208	0.000308	-1.71
8015460	NM_001096	ACLY	NM_001096 // ACLY // ATP citrate lyase // 17q21.2 // 47 /// NM_198830 // ACLY //	0.664621	0.407085	0.597997	0.000309	-1.19

8135601	NM_001127500	MET	NM_001127500 // MET // met proto-oncogene (hepatocyte growth factor receptor) //	0.676783	0.719693	0.867215	0.000311	1.46
7931081	NM_021622	PLEKHA1	NM_021622 // PLEKHA1 // pleckstrin homology domain containing, family A (phospho	0.015147	0.340266	0.049069	0.000311	-1.23
8043687	NM_001164315	ANKRD36	NM_001164315 // ANKRD36 // ankyrin repeat domain 36 // 2q11.2 // 375248 /// AK30	0.00242	0.776475	0.792814	0.000311	1.32
8071155	NM_017414	USP18	NM_017414 // USP18 // ubiquitin specific peptidase 18 // 22q11.21 // 11274 /// E	0.163538	0.468017	0.400001	0.000311	1.26
8160088	NM_003829	MPDZ	NM_003829 // MPDZ // multiple PDZ domain protein // 9p23 // 8777 /// ENST0000038	0.006195	0.592126	0.724987	0.000312	1.25
8005549	NM_001129778	GRAPL	NM_001129778 // GRAPL // GRB2-related adaptor protein-like // 17p11.2 // 400581	0.093205	0.534582	0.284726	0.000313	-1.28
8103005	NM_014885	ANAPC10	NM_014885 // ANAPC10 // anaphase promoting complex subunit 10 // 4q31 // 10393 /	0.436397	0.95036	0.0529471	0.000314	-1.18
8067944	NR_029480	MIRLET7C	NR_029480 // MIRLET7C // microRNA let-7c // 21q21.1 // 406885	0.027504	0.385447	0.0880804	0.000316	1.32
8167508	NM_001098406	GAGE12J	NM_001098406 // GAGE12J // G antigen 12J // Xp11.23 // 729396 /// NM_001098412 /	0.278617	0.000533	0.0002196	0.000316	-1.38
7903945	NM_201653	CHIA	NM_201653 // CHIA // chitinase, acidic // 1p13.2 // 27159 /// NM_021797 // CHIA	0.58314	0.816218	0.407957	0.000316	-1.59
8151709	---		---	0.349557	0.130959	0.702617	0.000316	1.44
7946569	NM_016422	RNF141	NM_016422 // RNF141 // ring finger protein 141 // 11p15.4 // 50862 /// ENST00000	0.164649	0.250299	0.160873	0.000318	-1.23

7907079	NM_052862	RCSD1	NM_052862 // RCSD1 // RCSD domain containing 1 // 1q24.2 // 92241 /// ENST000003	0.828235	0.410569	0.671682	0.000319	-1.24
7961198	NR_028045	KLRAP1	NR_028045 // KLRAP1 // killer cell lectin-like receptor subfamily A pseudogene 1	0.009782	0.069965	0.129754	0.000319	1.23
7915160	NM_022157	RRAGC	NM_022157 // RRAGC // Ras-related GTP binding C // 1p34 // 64121 /// ENST0000037	0.554158	0.888561	0.0405089	0.000321	-1.20
7898693	NM_000478	ALPL	NM_000478 // ALPL // alkaline phosphatase, liver/bone/kidney // 1p36.12 // 249 /	0.02347	0.295288	0.245492	0.000321	-1.52
7954065	NM_003979	GPRC5A	NM_003979 // GPRC5A // G protein-coupled receptor, family C, group 5, member A /	0.90343	0.044342	0.143777	0.000325	-1.25
7998927	---		---	0.869833	0.341862	0.216323	0.000325	-1.31
8039820	NM_153443	KIR3DL3	NM_153443 // KIR3DL3 // killer cell immunoglobulin-like receptor, three domains,	0.970608	0.162443	0.164962	0.000325	-1.22
7909730	NM_001017425	KCNK2	NM_001017425 // KCNK2 // potassium channel, subfamily K, member 2 // 1q41 // 377	0.815028	0.249327	0.838828	0.000326	1.21
7985493	NM_023003	TM6SF1	NM_023003 // TM6SF1 // transmembrane 6 superfamily member 1 // 15q24-q26 // 5334	0.141312	0.609177	0.53348	0.000327	-1.31
8116610	NM_000904	NQO2	NM_000904 // NQO2 // NAD(P)H dehydrogenase, quinone 2 // 6pter-q12 // 4835 /// E	0.100757	0.434883	0.117513	0.000328	-1.21
8110966	NM_199133	FAM173B	NM_199133 // FAM173B // family with sequence similarity 173, member B // 5p15.2	0.824771	0.057559	0.480603	0.000328	1.27
7959638	NM_024809	TCTN2	NM_024809 // TCTN2 // tectonic family member 2 // 12q24.31 // 79867 /// NM_00114	0.081084	0.527476	0.995121	0.000329	1.48

7972291	NM_007084	SOX21	NM_007084 // SOX21 // SRY (sex determining region Y)-box 21 // 13q31-q32 // 1116	0.208561	0.900489	0.505729	0.000329	1.21
8115397	NM_032385	C5orf4	NM_032385 // C5orf4 // chromosome 5 open reading frame 4 // 5q31-q32 // 10826 //	0.001215	0.362406	0.483504	0.00033	-1.36
8061035	NM_080676	MACROD2	NM_080676 // MACROD2 // MACRO domain containing 2 // 20p12.1 // 140733 /// NM_00	0.594985	0.542695	0.598481	0.000331	-1.46
7990810	NM_006441	MTHFS	NM_006441 // MTHFS // 5,10-methenyltetrahydrofolate synthetase (5-formyltetrahyd	0.000596	0.501968	0.910165	0.000331	-1.18
8160274	AK021795	MGC24103	AK021795 // MGC24103 // hypothetical MGC24103 // 9p22.3 // 158295	0.156554	0.964659	0.225036	0.000332	1.46
7926900	NM_005204	MAP3K8	NM_005204 // MAP3K8 // mitogen-activated protein kinase kinase kinase 8 // 10p11	0.041564	0.076172	0.158725	0.000332	-1.26
7941537	NM_018026	PACS1	NM_018026 // PACS1 // phosphofurin acidic cluster sorting protein 1 // 11q13.1-q	0.465366	0.943192	0.66184	0.000332	1.20
7964248	NR_002737	SNORD59A	NR_002737 // SNORD59A // small nucleolar RNA, C/D box 59A // 12p13.3 // 26789	0.60408	0.09756	0.153908	0.000333	-1.19
8107909	NM_003059	SLC22A4	NM_003059 // SLC22A4 // solute carrier family 22 (organic cation/ergothioneine t	0.942443	0.147272	0.884242	0.000339	1.69
8156706	NM_003275	TMOD1	NM_003275 // TMOD1 // tropomodulin 1 // 9q22.3 // 7111 /// NM_001166116 // TMOD1	0.108939	0.848742	0.581118	0.000339	-1.32
8144931	NM_001693	ATP6V1B2	NM_001693 // ATP6V1B2 // ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit	0.243682	0.773061	0.077033	0.00034	-1.20

7927649	NM_018464	CISD1	NM_018464 // CISD1 // CDGSH iron sulfur domain 1 // 10q21.1 // 55847 /// ENST000	0.365619	0.00695	0.0443657	0.000341	1.22
8095216	NM_020722	KIAA1211	NM_020722 // KIAA1211 // KIAA1211 // 4q12 // 57482 /// ENST00000504228 // KIAA12	0.812467	0.552091	0.204969	0.000342	1.19
8069943	NM_014825	URB1	NM_014825 // URB1 // URB1 ribosome biogenesis 1 homolog (S. cerevisiae) // 21q22	0.119115	0.128904	0.334856	0.000343	1.27
8038695	NM_139277	KLK7	NM_139277 // KLK7 // kallikrein-related peptidase 7 // 19q13.41 // 5650 /// NM_0	0.79167	0.79977	0.970706	0.000344	1.23
8032718	NM_001348	DAPK3	NM_001348 // DAPK3 // death-associated protein kinase 3 // 19p13.3 // 1613 /// E	0.016494	0.056959	0.877384	0.000345	-1.22
8086752	NR_003041	SNORD13	NR_003041 // SNORD13 // small nucleolar RNA, C/D box 13 // 8p12 // 692084 /// EN	0.452618	0.788663	0.742533	0.000346	1.40
7978285	NM_001198592	ADCY4	NM_001198592 // ADCY4 // adenylate cyclase 4 // 14q12 // 196883 /// NM_139247 //	0.153022	0.671018	0.0059757	0.000346	-1.28
8170775	NM_006280	SSR4	NM_006280 // SSR4 // signal sequence receptor, delta (translocon-associated prot	0.005212	0.804259	0.481583	0.000347	1.25
7944765	---		---	0.052861	0.881299	0.0112051	0.000347	-1.41
8018694	NM_002766	PRPSAP1	NM_002766 // PRPSAP1 // phosphoribosyl pyrophosphate synthetase-associated prote	0.800308	0.130133	0.0982296	0.000348	-1.19
8082797	NM_001063	TF	NM_001063 // TF // transferrin // 3q22.1 // 7018 /// ENST00000402696 // TF // tr	0.760581	0.578389	0.163525	0.000351	1.36
8006453	NM_005623	CCL8	NM_005623 // CCL8 // chemokine (C-C motif) ligand 8 // 17q11.2 // 6355 /// ENST0	0.218438	0.09613	0.599543	0.000352	1.67

8033809	NM_001077624	ZNF846	NM_001077624 // ZNF846 // zinc finger protein 846 // 19p13.2 // 162993 /// ENST0	0.016356	0.298372	0.583608	0.000353	1.31
7928208	NM_018344	SLC29A3	NM_018344 // SLC29A3 // solute carrier family 29 (nucleoside transporters), memb	0.975143	0.862747	0.0448428	0.000354	1.16
8008629	NM_003647	DGKE	NM_003647 // DGKE // diacylglycerol kinase, epsilon 64kDa // 17q22 // 8526 /// E	0.018652	0.107366	0.486134	0.000354	-1.19
8046695	NM_000885	ITGA4	NM_000885 // ITGA4 // integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4	0.821876	0.708156	0.710406	0.000356	1.37
7951363	NM_001191016	CASP12	NM_001191016 // CASP12 // caspase 12 (gene/pseudogene) // 11q22.3 // 120329 ///	0.002029	0.069213	0.663706	0.000359	-1.25
8010778	NM_001893	CSNK1D	NM_001893 // CSNK1D // casein kinase 1, delta // 17q25 // 1453 /// NM_139062 //	0.432771	0.845743	0.857751	0.00036	-1.19
7981964	NR_003323	SNORD116-8	NR_003323 // SNORD116-8 // small nucleolar RNA, C/D box 116-8 // 15q11.2 // 1000	0.501714	0.55928	0.651568	0.00036	1.32
8070398	NM_152505	LCA5L	NM_152505 // LCA5L // Leber congenital amaurosis 5-like // 21q22.2 // 150082 ///	0.179906	0.332699	0.972646	0.000364	1.36
8115261	NM_015621	CCDC69	NM_015621 // CCDC69 // coiled-coil domain containing 69 // 5q33.1 // 26112 /// E	0.650976	0.629057	0.288527	0.000364	-1.19
8141094	NM_002612	PDK4	NM_002612 // PDK4 // pyruvate dehydrogenase kinase, isozyme 4 // 7q21.3 // 5166	0.947501	0.021433	0.710654	0.000365	-1.71
7970082	---		---	0.935082	0.090691	0.241109	0.000365	-1.33
8094122	NR_027279	USP17L6P	NR_027279 // USP17L6P // ubiquitin specific peptidase 17-like 6 (pseudogene) //	0.882634	0.574928	0.0105285	0.000366	-1.72

8130528	NM_031924	RSPH3	NM_031924 // RSPH3 // radial spoke 3 homolog (Chlamydomonas) // 6q25.3 // 83861	0.107531	0.169319	0.489349	0.000366	1.26
8179564	NM_002263	KIFC1	NM_002263 // KIFC1 // kinesin family member C1 // 6p21.3 // 3833 /// ENST0000037	0.010311	0.304585	0.864114	0.000368	1.21
8013305	NM_001145045	ZNF286B	NM_001145045 // ZNF286B // zinc finger protein 286B // 17p11.2 // 729288 /// NM_	0.113862	0.098653	0.945099	0.000368	1.21
8042737	NM_015120	ALMS1	NM_015120 // ALMS1 // Alstrom syndrome 1 // 2p13 // 7840 /// ENST00000264448 //	0.028997	0.43367	0.940035	0.000369	1.28
8034130	NM_001136191	KANK2	NM_001136191 // KANK2 // KN motif and ankyrin repeat domains 2 // 19p13.2 // 259	0.02107	0.115835	0.453519	0.000369	-1.22
8060205	NM_015148	PASK	NM_015148 // PASK // PAS domain containing serine/threonine kinase // 2q37.3 //	0.95711	0.964344	0.860894	0.000369	1.19
8169174	NM_024539	RNF128	NM_024539 // RNF128 // ring finger protein 128 // Xq22.3 // 79589 /// NM_194463	0.296663	0.124387	0.139805	0.000372	-1.37
8105229	NM_015946	PELO	NM_015946 // PELO // pelota homolog (Drosophila) // 5q11.2 // 53918 /// NM_18150	0.295246	0.662119	0.317024	0.000374	-1.35
8052554	NM_032180	FAM161A	NM_032180 // FAM161A // family with sequence similarity 161, member A // 2p15 //	0.123223	0.378833	0.971229	0.000374	1.28
7998759	NM_001042371	PGP	NM_001042371 // PGP // phosphoglycolate phosphatase // 16p13.3 // 283871 /// ENS	0.020939	0.652941	0.247335	0.000377	-1.18
8032009	NM_017550	MIER2	NM_017550 // MIER2 // mesoderm induction early response 1, family member 2 // 19	0.329677	0.534495	0.0583688	0.000381	-1.16

7935660	NM_015221	DNMBP	NM_015221 // DNMBP // dynamin binding protein // 10q24.2 // 23268 /// ENST000003	0.610198	0.462358	0.390752	0.000382	1.23
8160912	NM_203299	C9orf131	NM_203299 // C9orf131 // chromosome 9 open reading frame 131 // 9p13.3 // 138724	0.620242	0.971184	0.0122647	0.000387	-1.35
8046408	NM_002610	PDK1	NM_002610 // PDK1 // pyruvate dehydrogenase kinase, isozyme 1 // 2q31.1 // 5163	0.772056	0.147479	0.792159	0.000387	1.52
8030128	NM_014330	PPP1R15A	NM_014330 // PPP1R15A // protein phosphatase 1, regulatory (inhibitor) subunit 1	0.943785	0.000644	0.762	0.000388	-1.28
8038885	NM_001098612	SIGLEC14	NM_001098612 // SIGLEC14 // sialic acid binding Ig-like lectin 14 // 19q13.4 //	0.222997	0.024922	0.146762	0.000389	-1.24
8053718	ENST00000390264	IGKV2-40	ENST00000390264 // IGKV2-40 // immunoglobulin kappa variable 2-40 // 2p12 // 289	0.25923	0.418974	0.968973	0.000389	1.90
7988990	NM_182758	WDR72	NM_182758 // WDR72 // WD repeat domain 72 // 15q21.3 // 256764 /// ENST000003963	0.495919	0.633227	0.863756	0.000394	-1.21
8052669	NM_014755	SERTAD2	NM_014755 // SERTAD2 // SERTA domain containing 2 // 2p14 // 9792 /// ENST000003	0.041183	0.33415	0.0611684	0.000396	1.19
8107673	NM_023927	GRAMD3	NM_023927 // GRAMD3 // GRAM domain containing 3 // 5q23.2 // 65983 /// NM_001146	0.127274	0.40508	0.94916	0.000396	1.35
8044804	NM_020548	DBI	NM_020548 // DBI // diazepam binding inhibitor (GABA receptor modulator, acyl-Co	0.121013	0.195928	0.406935	0.000397	-1.26
8152297	NM_001146	ANGPT1	NM_001146 // ANGPT1 // angiopoietin 1 // 8q23.1 // 284 /// BC152411 // ANGPT1 //	0.001891	0.349919	0.0262008	0.000398	-1.40

7897877	NM_001066	TNFRSF1B	NM_001066 // TNFRSF1B // tumor necrosis factor receptor superfamily, member 1B /	0.196916	0.979565	0.816001	0.000398	-1.24
7964246	NR_003046	SNORD59B	NR_003046 // SNORD59B // small nucleolar RNA, C/D box 59B // 12q13.3 // 692090	0.766355	0.271324	0.137831	0.000402	-1.41
7982358	NM_014783	ARHGAP11A	NM_014783 // ARHGAP11A // Rho GTPase activating protein 11A // 15q13.2 // 9824 /	0.303071	0.280138	0.704587	0.000402	1.32
7949124	NM_005609	PYGM	NM_005609 // PYGM // phosphorylase, glycogen, muscle // 11q12-q13.2 // 5837 ///	0.318972	0.538062	0.701726	0.000403	1.25
8090180	NM_033049	MUC13	NM_033049 // MUC13 // mucin 13, cell surface associated // 3q21.2 // 56667 /// E	0.117221	0.398392	0.578996	0.000405	1.45
7900658	NM_005424	TIE1	NM_005424 // TIE1 // tyrosine kinase with immunoglobulin-like and EGF-like domai	0.924322	0.02857	0.536354	0.000405	-1.32
8137680	NM_006869	ADAP1	NM_006869 // ADAP1 // ArfGAP with dual PH domains 1 // 7p22.3 // 11033 /// ENST0	0.11181	0.736455	0.0848228	0.000406	-1.18
8073578	BC024237	C22orf32	BC024237 // C22orf32 // chromosome 22 open reading frame 32 // 22q13.2 // 91689	0.187979	0.698438	0.164471	0.000407	-1.19
7976578	NM_152327	AK7	NM_152327 // AK7 // adenylate kinase 7 // 14q32.2 // 122481 /// ENST00000267584	0.316714	0.20318	0.974303	0.00041	1.88
7956670	NM_006313	USP15	NM_006313 // USP15 // ubiquitin specific peptidase 15 // 12q14 // 9958 /// ENST0	0.465736	0.389758	0.283355	0.000411	-1.19
8048761	---		---	0.592598	0.733539	0.143365	0.000411	-1.28
7929533	---		---	0.853811	0.887503	0.426325	0.000413	1.30

8130383	NM_019041	MTRF1L	NM_019041 // MTRF1L // mitochondrial translational release factor 1-like // 6q25	0.468225	0.133242	0.16149	0.000415	-1.17
7901287	NM_178134	CYP4Z1	NM_178134 // CYP4Z1 // cytochrome P450, family 4, subfamily Z, polypeptide 1 //	0.036271	0.220601	0.966676	0.000416	-1.26
8138361	NM_021029	RPL36A	NM_021029 // RPL36A // ribosomal protein L36a // Xq22.1 // 6173 /// ENST00000427	0.010253	0.354348	0.612457	0.000417	1.23
8006187	NM_024857	ATAD5	NM_024857 // ATAD5 // ATPase family, AAA domain containing 5 // 17q11.2 // 79915	0.646255	0.602845	0.37394	0.000417	1.19
7984112	NM_016530	RAB8B	NM_016530 // RAB8B // RAB8B, member RAS oncogene family // 15q22.2 // 51762 ///	0.826365	0.452798	0.755026	0.000419	-1.18
7982185	NM_014015	DEXI	NM_014015 // DEXI // Dexi homolog (mouse) // 16p13.13 // 28955 /// ENST000003318	0.066983	0.19347	0.679512	0.000421	-1.19
7986685	NM_014015	DEXI	NM_014015 // DEXI // Dexi homolog (mouse) // 16p13.13 // 28955 /// ENST000003318	0.066983	0.19347	0.679512	0.000421	-1.19
8105300	---		---	0.128946	0.792511	0.945018	0.000422	1.54
8102171	NM_001163435	TBCK	NM_001163435 // TBCK // TBC1 domain containing kinase // 4q24 // 93627 /// NM_00	0.007667	0.217368	0.932127	0.000422	1.19
8066745	NM_199441	ZNF334	NM_199441 // ZNF334 // zinc finger protein 334 // 20q13.12 // 55713 /// NM_01810	0.385421	0.490846	0.149305	0.000424	1.24
8168984	NM_001142524	BHLHB9	NM_001142524 // BHLHB9 // basic helix-loop-helix domain containing, class B, 9 /	0.053803	0.447701	0.235095	0.000424	1.16
8117955	NM_014046	MRPS18B	NM_014046 // MRPS18B // mitochondrial ribosomal protein S18B // 6p21.3 // 28973	0.134362	0.008238	0.892215	0.000424	-1.17

8177824	NM_014046	MRPS18B	NM_014046 // MRPS18B // mitochondrial ribosomal protein S18B // 6p21.3 // 28973	0.134362	0.008238	0.892215	0.000424	-1.17
8179139	NM_014046	MRPS18B	NM_014046 // MRPS18B // mitochondrial ribosomal protein S18B // 6p21.3 // 28973	0.134362	0.008238	0.892215	0.000424	-1.17
7898799	NM_001114101	C1QC	NM_001114101 // C1QC // complement component 1, q subcomponent, C chain // 1p36.	0.977434	0.27815	0.773517	0.000424	-1.36
7923394	NM_138795	ARL8A	NM_138795 // ARL8A // ADP-ribosylation factor-like 8A // 1q32.1 // 127829 /// EN	0.010046	0.657755	0.601447	0.000426	-1.18
8014903	NM_001165958	GSDMB	NM_001165958 // GSDMB // gasdermin B // 17q12 // 55876 /// NM_001042471 // GSDMB	0.0931	0.221812	0.008736	0.00043	1.22
8142120	NM_005746	NAMPT	NM_005746 // NAMPT // nicotinamide phosphoribosyltransferase // 7q22.3 // 10135	0.000848	0.584466	0.3808	0.000431	-1.44
7979158	NM_020784	TXNDC16	NM_020784 // TXNDC16 // thioredoxin domain containing 16 // 14q22.1 // 57544 ///	0.015907	0.505793	0.0866864	0.000431	-1.20
7933707	NM_032997	ZWINT	NM_032997 // ZWINT // ZW10 interactor // 10q21-q22 // 11130 /// NM_007057 // ZWI	0.002683	0.320087	0.676198	0.000431	1.19
7899375	---		---	0.081198	0.639321	0.171908	0.000431	-1.25
8167603	NM_001127899	CLCN5	NM_001127899 // CLCN5 // chloride channel 5 // Xp11.23-p11.22 // 1184 /// NM_001	0.53061	0.230362	0.661667	0.000434	-1.20
8017843	NM_001174166	SLC16A6	NM_001174166 // SLC16A6 // solute carrier family 16, member 6 (monocarboxylic ac	0.041083	0.245193	0.565698	0.000435	-1.37
8068684	NM_058186	FAM3B	NM_058186 // FAM3B // family with sequence similarity 3, member B // 21q22.3 //	0.129654	0.324349	0.498616	0.000439	1.35

7988124	NM_014659	PPIP5K1	NM_014659 // PPIP5K1 // diphosphoinositol pentakisphosphate kinase 1 // 15q15.3	0.151694	0.88295	0.953929	0.00044	1.18
8143221	NM_020632	ATP6V0A4	NM_020632 // ATP6V0A4 // ATPase, H+ transporting, lysosomal V0 subunit a4 // 7q3	0.245646	0.282304	0.261528	0.000441	1.23
8016387	NM_024320	PRR15L	NM_024320 // PRR15L // proline rich 15-like // 17q21.32 // 79170 /// ENST0000030	0.102763	0.214507	0.541884	0.000442	-1.40
8143247	NM_020910	KIAA1549	NM_020910 // KIAA1549 // KIAA1549 // 7q34 // 57670 /// NM_001164665 // KIAA1549	0.305979	0.748104	0.125371	0.000443	-1.28
8174474	NM_022977	ACSL4	NM_022977 // ACSL4 // acyl-CoA synthetase long-chain family member 4 // Xq22.3-q	0.143831	0.38864	0.117944	0.000444	-1.31
8016494	NM_173623	TTLL6	NM_173623 // TTLL6 // tubulin tyrosine ligase-like family, member 6 // 17q21.32	0.178922	0.241882	0.669143	0.000445	1.34
7952341	NM_024769	ASAM	NM_024769 // ASAM // adipocyte-specific adhesion molecule // 11q24.1 // 79827 //	0.761563	0.176988	0.750735	0.000446	1.28
8120943	NM_016230	CYB5R4	NM_016230 // CYB5R4 // cytochrome b5 reductase 4 // 6pter-q22.33 // 51167 /// EN	0.547105	0.109711	0.407507	0.000446	-1.21
8138030	NM_000535	PMS2	NM_000535 // PMS2 // PMS2 postmeiotic segregation increased 2 (S. cerevisiae) //	0.061202	0.285512	0.169428	0.000447	1.18
8165709	---		---	0.035946	0.781083	0.0422177	0.000448	-1.72
8024566	---		---	0.232672	0.314942	0.622604	0.000449	-1.17
8130422	NM_173515	CNKSR3	NM_173515 // CNKSR3 // CNKSR family member 3 // 6q25.2 // 154043 /// ENST0000036	0.00404	0.522664	0.435489	0.000449	1.36

8080487	NM_006254	PRKCD	NM_006254 // PRKCD // protein kinase C, delta // 3p21.31 // 5580 /// NM_212539 /	0.997891	0.931358	0.0145052	0.00045	-1.17
8145622	---		---	0.205862	0.568855	0.76269	0.000458	1.19
8152133	NM_015713	RRM2B	NM_015713 // RRM2B // ribonucleotide reductase M2 B (TP53 inducible) // 8q23.1 /	0.123859	0.773583	0.0010157	0.00046	1.21
7984588	NM_024817	THSD4	NM_024817 // THSD4 // thrombospondin, type I, domain containing 4 // 15q23 // 79	0.263749	0.955354	0.446263	0.00046	1.27
7958275	NM_018082	POLR3B	NM_018082 // POLR3B // polymerase (RNA) III (DNA directed) polypeptide B // 12q2	0.709514	0.166728	0.946646	0.000463	-1.20
8024013	BC052236	C19orf21	BC052236 // C19orf21 // chromosome 19 open reading frame 21 // 19p13.3 // 126353	0.058475	0.712091	0.501992	0.000464	1.25
8021727	NM_018235	CNDP2	NM_018235 // CNDP2 // CNDP dipeptidase 2 (metallopeptidase M20 family) // 18q22.	0.091998	0.668606	0.688235	0.000465	-1.22
8053139	NM_001145054	C2orf81	NM_001145054 // C2orf81 // chromosome 2 open reading frame 81 // 2p13.1 // 38896	0.423942	0.553916	0.904215	0.000465	1.26
8043489	---		---	0.510423	0.598383	0.0062459	0.000467	-1.29
8065416	NM_001322	CST2	NM_001322 // CST2 // cystatin SA // 20p11.21 // 1470 /// ENST00000304725 // CST2	0.569484	0.452407	0.809335	0.000467	1.27
8085263	NM_018447	TMEM111	NM_018447 // TMEM111 // transmembrane protein 111 // 3p25.3 // 55831 /// ENST000	0.149323	0.816923	0.758682	0.000467	-1.18
8126135	NM_006708	GLO1	NM_006708 // GLO1 // glyoxalase I // 6p21.3-p21.1 // 2739 /// ENST00000373365 //	0.623947	0.169221	0.186302	0.000468	-1.17

8007388	NM_173478	CNTD1	NM_173478 // CNTD1 // cyclin N-terminal domain containing 1 // 17q21.31 // 12481	0.391111	0.117764	0.739092	0.000469	1.31
7965541	NM_018351	FGD6	NM_018351 // FGD6 // FYVE, RhoGEF and PH domain containing 6 // 12q22 // 55785 /	0.069069	0.066213	0.347564	0.000471	1.30
8121911	NM_001012507	CENPW	NM_001012507 // CENPW // centromere protein W // 6q22.32 // 387103 /// ENST00000	0.454389	0.374866	0.402545	0.000471	1.26
8114491	NM_005847	SLC23A1	NM_005847 // SLC23A1 // solute carrier family 23 (nucleobase transporters), memb	0.678806	0.316829	0.677737	0.000472	1.34
8060850	NM_001200	BMP2	NM_001200 // BMP2 // bone morphogenetic protein 2 // 20p12 // 650 /// ENST000003	0.028855	0.035476	0.123969	0.000473	-1.39
7930148	NM_178858	SFXN2	NM_178858 // SFXN2 // sideroflexin 2 // 10q24.32 // 118980 /// ENST00000369893 /	0.105775	0.159757	0.192322	0.000473	-1.18
7964658	---		---	0.586333	0.031584	0.923975	0.000474	1.21
7998103	NM_001481	GAS8	NM_001481 // GAS8 // growth arrest-specific 8 // 16q24.3 // 2622 /// NR_023348 /	0.412762	0.085084	0.528306	0.000475	1.26
7926410	NM_002438	MRC1	NM_002438 // MRC1 // mannose receptor, C type 1 // 10p12.33 // 4360 /// NM_00100	0.466307	0.683196	0.0343533	0.000477	-1.54
7926451	NM_002438	MRC1	NM_002438 // MRC1 // mannose receptor, C type 1 // 10p12.33 // 4360 /// NM_00100	0.466307	0.683196	0.0343533	0.000477	-1.54
7951036	NR_003033	SNORD5	NR_003033 // SNORD5 // small nucleolar RNA, C/D box 5 // 11q21 // 692072 /// AK1	0.905648	0.044082	0.263816	0.000478	1.33
8098204	NM_001873	CPE	NM_001873 // CPE // carboxypeptidase E // 4q32.3 // 1363 /// ENST00000402744 //	0.000189	0.137334	0.89594	0.000478	1.43

8164131	NM_173690	SCAI	NM_173690 // SCAI // suppressor of cancer cell invasion // 9q33.3 // 286205 ///	0.002385	0.076664	0.499149	0.000478	-1.24
7954997	NM_001025356	ANO6	NM_001025356 // ANO6 // anoctamin 6 // 12q12 // 196527 /// NM_001142678 // ANO6	0.118615	0.086982	0.0326101	0.000481	-1.20
8116582	NM_001452	FOXF2	NM_001452 // FOXF2 // forkhead box F2 // 6p25.3 // 2295 /// ENST00000259806 // F	0.330302	0.026593	0.401671	0.000481	-1.20
8047443	NM_018571	STRADB	NM_018571 // STRADB // STE20-related kinase adaptor beta // 2q33.1 // 55437 ///	0.001407	0.324922	0.216873	0.000482	-1.18
8097529	NM_153702	ELMOD2	NM_153702 // ELMOD2 // ELMO/CED-12 domain containing 2 // 4q31.1 // 255520 /// E	0.21375	0.024738	0.835237	0.000483	1.23
7981726	XM_003119591	LOC1005087	XM_003119591 // LOC100508797 // hypothetical protein LOC100508797 // --- // 1005	0.248613	0.359132	0.308549	0.00049	1.37
7941148	NM_003273	TM7SF2	NM_003273 // TM7SF2 // transmembrane 7 superfamily member 2 // 11q13 // 7108 ///	0.246613	0.446883	0.709522	0.000491	-1.18
7998115	---		---	0.722672	0.400899	0.0394666	0.000494	-1.34
7924463	---		---	0.722672	0.400899	0.0394666	0.000494	-1.34
7927089	---		---	0.722672	0.400899	0.0394666	0.000494	-1.34
8137668	---		---	0.722672	0.400899	0.0394666	0.000494	-1.34
8031997	---		---	0.722672	0.400899	0.0394666	0.000494	-1.34
7911331	---		---	0.722672	0.400899	0.0394666	0.000494	-1.34
8102530	---		---	0.722672	0.400899	0.0394666	0.000494	-1.34
7945347	---		---	0.722672	0.400899	0.0394666	0.000494	-1.34
7898793	NM_015991	C1QA	NM_015991 // C1QA // complement component 1, q subcomponent, A chain // 1p36.12	0.93187	0.044941	0.685301	0.000495	-1.33

7954196	NM_145792	MGST1	NM_145792 // MGST1 // microsomal glutathione S-transferase 1 // 12p12.3-p12.1 //	0.222396	0.3311	0.201933	0.000495	-1.25
7985402	NR_024474	UBE2Q2P3	NR_024474 // UBE2Q2P3 // ubiquitin-conjugating enzyme E2Q family member 2 pseudo	0.043029	0.867092	0.803722	0.000495	1.28
8116952	---		---	0.071443	0.024153	0.851746	0.000497	1.54
8132055	NM_152793	C7orf41	NM_152793 // C7orf41 // chromosome 7 open reading frame 41 // 7p14.3 // 222166 /	0.0044	0.032638	0.17011	0.000498	-1.20
7973629	NM_001048205	REC8	NM_001048205 // REC8 // REC8 homolog (yeast) // 14q11.2-q12 // 9985 /// NM_00513	0.572	0.374508	0.0364764	0.000501	1.25
7907861	NM_004736	XPR1	NM_004736 // XPR1 // xenotropic and polytropic retrovirus receptor 1 // 1q25.1 /	0.86399	0.166512	0.501107	0.000503	1.18
8030804	NM_001772	CD33	NM_001772 // CD33 // CD33 molecule // 19q13.3 // 945 /// NM_001082618 // CD33 //	0.03328	0.65744	0.360501	0.000504	-1.19
7921900	NM_053282	SH2D1B	NM_053282 // SH2D1B // SH2 domain containing 1B // 1q23.3 // 117157 /// ENST0000	0.309855	0.040102	0.694989	0.000505	-1.23
8065136	NM_001042576	RRBP1	NM_001042576 // RRBP1 // ribosome binding protein 1 homolog 180kDa (dog) // 20p1	0.003864	0.370055	0.693035	0.000507	1.16
8103226	NM_152680	TMEM154	NM_152680 // TMEM154 // transmembrane protein 154 // 4q31.3 // 201799 /// ENST00	0.54116	0.08675	0.959583	0.000507	1.26
7946288	NM_013249	ZNF214	NM_013249 // ZNF214 // zinc finger protein 214 // 11p15.4 // 7761 /// ENST000002	0.078683	0.214974	0.504513	0.000507	1.31
8070083	NM_006134	TMEM50B	NM_006134 // TMEM50B // transmembrane protein 50B // 21q22.11 // 757 /// ENST000	0.000721	0.048735	0.754682	0.000508	-1.18

7959164	NM_001037495	DYNLL1	NM_001037495 // DYNLL1 // dynein, light chain, LC8-type 1 // 12q24.23 // 8655 //	0.295844	0.341844	0.859938	0.000509	1.21
7987650	NM_002344	LTK	NM_002344 // LTK // leukocyte receptor tyrosine kinase // 15q15.1-q21.1 // 4058	0.614231	0.041739	0.383775	0.000509	-1.24
8175860	NM_032512	PDZD4	NM_032512 // PDZD4 // PDZ domain containing 4 // Xq28 // 57595 /// ENST000001646	0.34967	0.303762	0.685156	0.000511	1.18
7933413	NR_026566	BMS1P1	NR_026566 // BMS1P1 // BMS1 pseudogene 1 // 10q11.22 // 728053 /// NR_003611 //	0.057073	0.09339	0.265632	0.000513	1.18
8168424	NM_006517	SLC16A2	NM_006517 // SLC16A2 // solute carrier family 16, member 2 (monocarboxylic acid	0.648704	0.392005	0.704374	0.000515	1.20
8071504	NR_027006	LOC400891	NR_027006 // LOC400891 // chromosome 14 open reading frame 166B pseudogene // 22	0.324061	0.332174	0.83196	0.000516	1.45
7968678	NM_207361	FREM2	NM_207361 // FREM2 // FRAS1 related extracellular matrix protein 2 // 13q13.3 //	0.332312	0.260811	0.309066	0.000517	-1.49
8015232	NM_033188	KRTAP4-5	NM_033188 // KRTAP4-5 // keratin associated protein 4-5 // 17q12-q21 // 85289 //	0.653151	0.738511	0.116416	0.000518	-1.19
8139778	---		---	0.947173	0.773154	0.0180621	0.000518	-1.26
7932118	NM_152751	BEND7	NM_152751 // BEND7 // BEN domain containing 7 // 10p13 // 222389 /// NM_00110091	0.007746	0.542536	0.509699	0.000519	-1.17
7953715	NM_015509	NECAP1	NM_015509 // NECAP1 // NECAP endocytosis associated 1 // 12p13.31 // 25977 /// N	0.787658	0.362925	0.0442542	0.00052	-1.18
7901720	NM_006252	PRKAA2	NM_006252 // PRKAA2 // protein kinase, AMP-activated, alpha 2 catalytic subunit	0.002297	0.821459	0.312607	0.000521	1.35

8107632	NM_014035	SNX24	NM_014035 // SNX24 // sorting nexin 24 // 5q23.2 // 28966 /// ENST00000261369 //	0.368346	0.899355	0.455633	0.000523	-1.21
7945648	NM_001004325	KRTAP5-2	NM_001004325 // KRTAP5-2 // keratin associated protein 5-2 // 11p15.5 // 440021	0.834512	0.692408	0.111168	0.000524	-1.35
8040365	NM_021643	TRIB2	NM_021643 // TRIB2 // tribbles homolog 2 (Drosophila) // 2p24.3 // 28951 /// NR_	0.440564	0.19267	0.66919	0.000525	-1.20
8090448	NM_003707	RUVBL1	NM_003707 // RUVBL1 // RuvB-like 1 (E. coli) // 3q21 // 8607 /// ENST00000322623	0.185338	0.042848	0.385773	0.000526	1.35
8065762	NM_080476	PIGU	NM_080476 // PIGU // phosphatidylinositol glycan anchor biosynthesis, class U //	0.947177	0.087513	0.785179	0.000528	1.21
8000590	NM_177534	SULT1A1	NM_177534 // SULT1A1 // sulfotransferase family, cytosolic, 1A, phenol-preferrin	0.519071	0.989556	0.96622	0.00053	-1.18
8069301	NM_001849	COL6A2	NM_001849 // COL6A2 // collagen, type VI, alpha 2 // 21q22.3 // 1292 /// NM_0581	0.793965	0.849973	0.721324	0.00053	1.20
7995783	NM_005953	MT2A	NM_005953 // MT2A // metallothionein 2A // 16q13 // 4502 /// ENST00000245185 //	0.032061	0.594219	0.659533	0.000531	-1.61
8020495	NM_138375	CABLES1	NM_138375 // CABLES1 // Cdk5 and Abl enzyme substrate 1 // 18q11.2 // 91768 ///	0.169237	0.000845	0.0375976	0.000534	-1.29
8049128	NM_031313	ALPPL2	NM_031313 // ALPPL2 // alkaline phosphatase, placental-like 2 // 2q37 // 251 ///	0.209837	0.129159	0.553793	0.000535	-1.17
8096777	---		---	0.344327	0.049593	0.338935	0.000537	1.19
7986246	ENST00000333334	C15orf32	ENST00000333334 // C15orf32 // chromosome 15 open reading frame 32 // 15q26.1 //	0.11965	0.12521	0.74499	0.000537	1.19

8066275	AF090938	LOC1001278	AF090938 // LOC100127886 // hypothetical LOC100127886 // 20q12 // 100127886	0.549201	0.61707	0.668778	0.000538	-1.28
7943498	NM_001377	DYNC2H1	NM_001377 // DYNC2H1 // dynein, cytoplasmic 2, heavy chain 1 // 11q21-q22.1 // 7	0.042486	0.292056	0.864687	0.000539	1.49
8112053	NM_152623	CDC20B	NM_152623 // CDC20B // cell division cycle 20 homolog B (S. cerevisiae) // 5q11.	0.293643	0.076288	0.872833	0.000539	1.39
7921652	NM_003037	SLAMF1	NM_003037 // SLAMF1 // signaling lymphocytic activation molecule family member 1	0.602326	0.58821	0.722652	0.000542	1.26
8048749	NM_080671	KCNE4	NM_080671 // KCNE4 // potassium voltage-gated channel, Isk-related family, membe	0.256816	0.524092	0.587923	0.000544	1.44
8123717	NM_006638	RPP40	NM_006638 // RPP40 // ribonuclease P/MRP 40kDa subunit // 6p25.1 // 10799 /// EN	0.030535	0.126088	0.0488707	0.000546	1.23
8022378	---		---	0.104372	0.16399	0.851659	0.000546	-1.26
7985898	NM_020212	WDR93	NM_020212 // WDR93 // WD repeat domain 93 // 15q26.1 // 56964 /// ENST0000026813	0.556193	0.405033	0.994875	0.000547	1.46
8003607	NM_001013672	C17orf97	NM_001013672 // C17orf97 // chromosome 17 open reading frame 97 // 17p13.3 // 40	0.723198	0.410102	0.943453	0.000549	1.40
8008969	NM_005994	TBX2	NM_005994 // TBX2 // T-box 2 // 17q23 // 6909 /// BC052566 // TBX2 // T-box 2 //	0.043982	0.061773	0.212891	0.00055	-1.30
7929750	NM_020354	ENTPD7	NM_020354 // ENTPD7 // ectonucleoside triphosphate diphosphohydrolase 7 // --- /	0.033755	0.074865	0.987139	0.00055	1.25
7973530	NM_004563	PCK2	NM_004563 // PCK2 // phosphoenolpyruvate carboxykinase 2 (mitochondrial) // 14q1	0.043412	0.305858	0.905581	0.00055	-1.15

8129089	NM_021648	TSPYL4	NM_021648 // TSPYL4 // TSPY-like 4 // 6q22.1 // 23270 /// ENST00000420283 // TSP	0.726016	0.381547	0.739029	0.000551	1.17
8000757	NM_003586	DOC2A	NM_003586 // DOC2A // double C2-like domains, alpha // 16p11.2 // 8448 /// NM_17	0.525863	0.726906	0.370154	0.000552	1.24
8065202	NM_001099407	C20orf12	NM_001099407 // C20orf12 // chromosome 20 open reading frame 12 // 20p11.23 // 5	0.05887	0.122044	0.848846	0.000554	1.33
8168531	NM_032553	GPR174	NM_032553 // GPR174 // G protein-coupled receptor 174 // Xq21.1 // 84636 /// ENS	0.101225	0.881568	0.606777	0.000555	1.54
8152812	NM_174911	FAM84B	NM_174911 // FAM84B // family with sequence similarity 84, member B // 8q24.21 /	0.7514	0.053696	0.332978	0.000555	-1.20
8157253	NM_001012994	SNX30	NM_001012994 // SNX30 // sorting nexin family member 30 // 9q32 // 401548 /// EN	0.086525	0.236569	0.529398	0.000556	-1.32
7913385	NM_001145657	RAP1GAP	NM_001145657 // RAP1GAP // RAP1 GTPase activating protein // 1p36.1-p35 // 5909	0.990511	0.098552	0.0971975	0.000557	-1.27
8020455	NM_005257	GATA6	NM_005257 // GATA6 // GATA binding protein 6 // 18q11.1-q11.2 // 2627 /// ENST00	0.426605	0.036776	0.314653	0.000557	-1.18
7922773	NM_000433	NCF2	NM_000433 // NCF2 // neutrophil cytosolic factor 2 // 1q25 // 4688 /// NM_001127	0.871889	0.783653	0.0217924	0.000565	-1.43
8167334	NM_000377	WAS	NM_000377 // WAS // Wiskott-Aldrich syndrome (eczema-thrombocytopenia) // Xp11.4	0.115807	0.387498	0.22048	0.000566	-1.17
8030362	NR_000020	SNORD33	NR_000020 // SNORD33 // small nucleolar RNA, C/D box 33 // 19q13.3 // 26818 ///	0.493864	0.648788	0.860262	0.000567	1.18

7995539	NM_022162	NOD2	NM_022162 // NOD2 // nucleotide-binding oligomerization domain containing 2 // 1	0.241948	0.988546	0.76614	0.000574	-1.21
8131111	NM_001037283	EIF3B	NM_001037283 // EIF3B // eukaryotic translation initiation factor 3, subunit B /	0.000797	0.41534	0.29143	0.000574	-1.17
7926677	NM_001145373	OTUD1	NM_001145373 // OTUD1 // OTU domain containing 1 // 10p12.2 // 220213 /// ENST00	0.134124	0.129277	0.520169	0.000576	-1.27
8089993	NM_019069	WDR5B	NM_019069 // WDR5B // WD repeat domain 5B // 3q21.1 // 54554 /// ENST00000330689	0.991247	0.16593	0.841206	0.000577	1.20
7924888	NM_033445	HIST3H2A	NM_033445 // HIST3H2A // histone cluster 3, H2a // 1q42.13 // 92815 /// ENST0000	0.824083	0.804142	0.715634	0.000578	1.18
8128795	NM_001145128	AKD1	NM_001145128 // AKD1 // adenylate kinase domain containing 1 // 6q21 // 221264 /	0.036902	0.088751	0.961823	0.000579	1.44
7982326	NM_015995	KLF13	NM_015995 // KLF13 // Kruppel-like factor 13 // 15q12 // 51621 /// ENST000003071	0.374833	0.819324	0.0155138	0.000582	-1.19
7938396	NM_000480	AMPD3	NM_000480 // AMPD3 // adenosine monophosphate deaminase 3 // 11p15 // 272 /// NM	0.574429	0.011618	0.456822	0.000583	1.28
7897288	NM_031475	ESPN	NM_031475 // ESPN // espin // 1p36.31 // 83715 /// ENST00000377828 // ESPN // es	0.864395	0.325925	0.581841	0.000584	1.24
8058203	NM_139163	ALS2CR12	NM_139163 // ALS2CR12 // amyotrophic lateral sclerosis 2 (juvenile) chromosome r	0.189042	0.053393	0.936617	0.000588	1.73
8131179	NM_025250	TTYH3	NM_025250 // TTYH3 // tweety homolog 3 (Drosophila) // 7p22 // 80727 /// ENST000	9.60E-05	0.104735	0.186168	0.000589	1.24

7972805	NM_017817	RAB20	NM_017817 // RAB20 // RAB20, member RAS oncogene family // 13q34 // 55647 /// EN	0.006908	0.067253	0.480286	0.000591	-1.20
8126729	NM_001114086	CLIC5	NM_001114086 // CLIC5 // chloride intracellular channel 5 // 6p12.3 // 53405 ///	0.067326	0.044079	0.468686	0.000593	-1.41
8149132	NR_036686	DEFT1P	NR_036686 // DEFT1P // defensin, theta 1 pseudogene // 8p23.1 // 170949 /// NR_0	0.896657	0.159326	0.343618	0.000598	-1.21
8101916	NM_152292	RG9MTD2	NM_152292 // RG9MTD2 // RNA (guanine-9-) methyltransferase domain containing 2 /	0.311612	0.059713	0.195147	0.000599	1.22
8051762	NM_021097	SLC8A1	NM_021097 // SLC8A1 // solute carrier family 8 (sodium/calcium exchanger), membe	0.593066	0.075762	0.0783751	0.000599	1.20
7932082	NM_031455	CCDC3	NM_031455 // CCDC3 // coiled-coil domain containing 3 // 10p13 // 83643 /// ENST	0.067098	0.443966	0.702729	0.000599	1.30
8150962	NM_014729	TOX	NM_014729 // TOX // thymocyte selection-associated high mobility group box // 8q	0.663176	0.511046	0.11384	0.000602	-1.27
7901048	NR_000024	SNORD46	NR_000024 // SNORD46 // small nucleolar RNA, C/D box 46 // 1p34.1 // 94161	0.202547	0.296317	0.588427	0.000604	1.18
8172056	NM_000328	RPGR	NM_000328 // RPGR // retinitis pigmentosa GTPase regulator // Xp21.1 // 6103 ///	0.068681	0.124407	0.442314	0.000605	-1.30
8126382	NM_001164446	C6orf132	NM_001164446 // C6orf132 // chromosome 6 open reading frame 132 // 6p21.1 // 647	0.18503	0.874057	0.99851	0.000608	1.25
7999884	---		---	0.679213	0.018973	0.245182	0.00061	1.31
7985352	AK302120	C15orf26	AK302120 // C15orf26 // chromosome 15 open reading frame 26 // 15q25.1 // 161502	0.468098	0.101427	0.933601	0.00061	1.32

7934916	NM_003956	CH25H	NM_003956 // CH25H // cholesterol 25-hydroxylase // 10q23 // 9023 /// ENST000003	0.011825	0.188032	0.443577	0.000611	1.58
8092691	NM_001706	BCL6	NM_001706 // BCL6 // B-cell CLL/lymphoma 6 // 3q27 // 604 /// NM_001130845 // BC	0.056249	0.417953	0.412385	0.000611	-1.26
8027247	NM_031218	ZNF93	NM_031218 // ZNF93 // zinc finger protein 93 // 19p12 // 81931 /// ENST000003437	0.834131	0.276719	0.657973	0.000614	1.18
8021301	NM_004163	RAB27B	NM_004163 // RAB27B // RAB27B, member RAS oncogene family // 18q21.2 // 5874 ///	0.814464	0.318091	0.366303	0.000615	1.50
8002143	NM_000229	LCAT	NM_000229 // LCAT // lecithin-cholesterol acyltransferase // 16q22.1 // 3931 ///	0.152047	0.665492	0.0012058	0.000617	-1.19
7915971	NM_032785	AGBL4	NM_032785 // AGBL4 // ATP/GTP binding protein-like 4 // 1p33 // 84871 /// ENST00	0.749697	0.396002	0.744189	0.000617	1.24
8007108	NM_145274	TMEM99	NM_145274 // TMEM99 // transmembrane protein 99 // 17q21.2 // 147184 /// NM_0011	0.397037	0.949544	0.614886	0.000619	1.21
8151898	NM_177965	C8orf37	NM_177965 // C8orf37 // chromosome 8 open reading frame 37 // 8q22.1 // 157657 /	0.678823	0.346267	0.86471	0.000619	1.31
8164694	---		---	0.047875	0.477827	0.35871	0.000622	-1.28
7898002	NM_001100631	PRAMEF22	NM_001100631 // PRAMEF22 // PRAME family member 22 // 1p36.21 // 653606 /// NM_0	0.575642	0.814588	0.0528074	0.000623	-1.23
7940287	NM_152866	MS4A1	NM_152866 // MS4A1 // membrane-spanning 4-domains, subfamily A, member 1 // 11q1	0.265024	0.149697	0.856619	0.000624	1.79
7939590	NM_018389	SLC35C1	NM_018389 // SLC35C1 // solute carrier family 35, member C1 // 11p11.2 // 55343	0.01483	0.408771	0.974033	0.000624	-1.16

8050507	NM_001006657	WDR35	NM_001006657 // WDR35 // WD repeat domain 35 // 2p24.1 // 57539 /// NM_020779 //	0.045682	0.050838	0.878906	0.000625	1.32
7915101	NM_005540	INPP5B	NM_005540 // INPP5B // inositol polyphosphate-5-phosphatase, 75kDa // 1p34 // 36	0.009245	0.693942	0.428995	0.000625	-1.18
8165653	ENST00000361390	ND1	ENST00000361390 // ND1 // NADH dehydrogenase, subunit 1 (complex I) // --- // 45	0.023177	0.933496	0.483808	0.000625	-1.40
7896865	NM_153254	TTLL10	NM_153254 // TTLL10 // tubulin tyrosine ligase-like family, member 10 // 1p36.33	0.20058	0.111845	0.887332	0.000626	1.27
7945979	NM_018073	TRIM68	NM_018073 // TRIM68 // tripartite motif-containing 68 // 11p15.4 // 55128 /// EN	0.387756	0.663792	0.905105	0.00063	1.20
8034199	NM_012466	TSPAN16	NM_012466 // TSPAN16 // tetraspanin 16 // 19p13.2 // 26526 /// ENST00000316737 /	0.703961	0.873966	0.576685	0.000632	-1.23
8174779	NM_013995	LAMP2	NM_013995 // LAMP2 // lysosomal-associated membrane protein 2 // Xq24 // 3920 //	0.480224	0.480914	0.0470296	0.000633	-1.18
7926916	NM_030751	ZEB1	NM_030751 // ZEB1 // zinc finger E-box binding homeobox 1 // 10p11.2 // 6935 ///	0.012321	0.529592	0.799104	0.000633	-1.21
7898405	---		---	0.596494	0.463899	0.020163	0.000634	-1.21
7912806	---		---	0.596494	0.463899	0.020163	0.000634	-1.21
8068612	NM_004627	WRB	NM_004627 // WRB // tryptophan rich basic protein // 21q22.3 // 7485 /// NM_0011	0.484716	0.768111	0.952178	0.000634	1.17
7970831	NM_007106	UBL3	NM_007106 // UBL3 // ubiquitin-like 3 // 13q12-q13 // 5412 /// ENST00000380680 /	0.099654	0.795587	0.0042521	0.000637	-1.19

8128777	NM_001145128	AKD1	NM_001145128 // AKD1 // adenylate kinase domain containing 1 // 6q21 // 221264 / BC114926 // C1orf222 // chromosome 1	0.572401	0.075149	0.70646	0.000637	1.42
7911643	BC114926	C1orf222	open reading frame 222 // 1p36.33 // 339457	0.537473	0.450178	0.961829	0.000641	1.43
8098581	NM_031953	SNX25	NM_031953 // SNX25 // sorting nexin 25 // 4q35.1 // 83891 /// ENST00000264694 //	0.764965	0.278763	0.527626	0.000646	-1.43
8059158	NM_024506	GLB1L	NM_024506 // GLB1L // galactosidase, beta 1-like // 2q35 // 79411 /// ENST000002	0.976178	0.034708	0.753785	0.000646	1.33
7985213	NM_000745	CHRNA5	NM_000745 // CHRNA5 // cholinergic receptor, nicotinic, alpha 5 // 15q24 // 1138	0.060112	0.347003	0.31918	0.000647	1.22
7970392	---		---	0.204796	0.904143	0.114819	0.000647	-2.40
8007323	NM_003632	CNTNAP1	NM_003632 // CNTNAP1 // contactin associated protein 1 // 17q21 // 8506 /// ENST	0.459068	0.086111	0.473459	0.000649	1.22
7919743	NM_019032	ADAMTSL4	NM_019032 // ADAMTSL4 // ADAMTS-like 4 // 1q21.3 // 54507 /// ENST00000271643 //	0.729132	0.11995	0.361492	0.000651	-1.26
8022927	NM_012319	SLC39A6	NM_012319 // SLC39A6 // solute carrier family 39 (zinc transporter), member 6 //	0.324872	0.453964	0.139113	0.000653	1.18
8007949	NM_152347	C17orf57	NM_152347 // C17orf57 // chromosome 17 open reading frame 57 // 17q21.32 // 1249	0.218205	0.002402	0.349548	0.000654	1.24
7918878	NM_001232	CASQ2	NM_001232 // CASQ2 // calsequestrin 2 (cardiac muscle) // 1p13.3-p11 // 845 ///	0.001188	0.131992	0.649916	0.000655	1.54
8131539	NM_018374	TMEM106B	NM_018374 // TMEM106B // transmembrane protein 106B // 7p21.3 // 54664 /// NM_00	0.529463	0.016275	0.115608	0.000655	1.17

8044700	NM_020868	DPP10	NM_020868 // DPP10 // dipeptidyl-peptidase 10 (non-functional) // 2q14.1 // 5762	0.55767	0.061681	0.0308146	0.000659	1.18
8174134	NM_001006938	TCEAL6	NM_001006938 // TCEAL6 // transcription elongation factor A (SII)-like 6 // Xq22	0.236066	0.389429	0.587621	0.00066	-1.18
8121563	NM_002356	MARCKS	NM_002356 // MARCKS // myristoylated alanine-rich protein kinase C substrate //	0.198897	0.233769	0.304631	0.000661	1.25
8037001	---		---	0.929124	0.760361	0.246927	0.000661	-1.29
7907439	NM_004905	PRDX6	NM_004905 // PRDX6 // peroxiredoxin 6 // 1q25.1 // 9588 /// ENST00000340385 // P	0.004723	0.083281	0.790763	0.000662	-1.17
8142975	NR_029503	MIR29A	NR_029503 // MIR29A // microRNA 29a // 7q32.3 // 407021	0.49738	0.196674	0.856442	0.000663	-1.20
8089970	NM_175924	ILDR1	NM_175924 // ILDR1 // immunoglobulin-like domain containing receptor 1 // 3q13.3	0.702018	0.623495	0.566229	0.000664	1.19
8102792	NM_019035	PCDH18	NM_019035 // PCDH18 // protocadherin 18 // 4q31 // 54510 /// ENST00000344876 //	0.014887	0.607884	0.198348	0.000666	1.41
8097282	NM_005841	SPRY1	NM_005841 // SPRY1 // sprouty homolog 1, antagonist of FGF signaling (Drosophila	0.792528	0.083818	0.468401	0.000667	1.20
8004081	NM_153018	ZFP3	NM_153018 // ZFP3 // zinc finger protein 3 homolog (mouse) // 17p13.2 // 124961	0.160463	0.020002	0.973922	0.000668	1.20
7935553	NM_032211	LOXL4	NM_032211 // LOXL4 // lysyl oxidase-like 4 // 10q24 // 84171 /// ENST00000260702	0.937387	0.520059	0.439514	0.000668	1.22
7953835	NM_005810	KLRG1	NM_005810 // KLRG1 // killer cell lectin-like receptor subfamily G, member 1 //	0.009108	0.620324	0.456719	0.000669	1.39

7925904	NM_001040177	AKR1E2	NM_001040177 // AKR1E2 // aldo-keto reductase family 1, member E2 // 10p15.1 //	0.154532	0.178496	0.813098	0.00067	-1.20
8114455	NM_004134	HSPA9	NM_004134 // HSPA9 // heat shock 70kDa protein 9 (mortalin) // 5q31.1 // 3313 //	0.096574	0.382487	0.498553	0.000673	-1.17
8117589	NM_003536	HIST1H3H	NM_003536 // HIST1H3H // histone cluster 1, H3h // 6p22.1 // 8357 /// BC096128 /	0.05217	0.853657	0.703572	0.000676	-1.23
8134403	---		---	0.029553	0.153893	0.208168	0.000676	-1.18
8140269	NR_027775	PMS2P5	NR_027775 // PMS2P5 // postmeiotic segregation increased 2 pseudogene 5 // 7q11.	0.037443	0.044024	0.0293977	0.000676	1.25
7900426	NM_022733	SMAP2	NM_022733 // SMAP2 // small ArfGAP2 // 1p35.3-p34.1 // 64744 /// ENST00000372718	0.194217	0.24093	0.220668	0.000677	-1.30
8012558	NM_001142633	PIK3R5	NM_001142633 // PIK3R5 // phosphoinositide-3-kinase, regulatory subunit 5 // 17p	0.053545	0.229098	0.243592	0.000677	-1.22
8155946	NM_033305	VPS13A	NM_033305 // VPS13A // vacuolar protein sorting 13 homolog A (S. cerevisiae) //	0.010833	0.918336	0.398713	0.000678	1.26
8089926	---		---	0.340956	0.587799	0.609545	0.000679	-1.25
8001918	NM_001128850	RRAD	NM_001128850 // RRAD // Ras-related associated with diabetes // 16q22 // 6236 //	0.257976	0.647794	0.996729	0.000682	1.33
7913110	BC034589	KIAA0090	BC034589 // KIAA0090 // KIAA0090 // 1p36.13 // 23065 /// AK291618 // KIAA0090 //	0.321329	0.965467	0.722934	0.000685	-1.18
8071745	NM_182520	C22orf15	NM_182520 // C22orf15 // chromosome 22 open reading frame 15 // 22q11.23 // 1502	0.794534	0.717243	0.893608	0.000685	1.23

8069269	NM_001848	COL6A1	NM_001848 // COL6A1 // collagen, type VI, alpha 1 // 21q22.3 // 1291 /// ENST000	0.914447	0.690644	0.622328	0.000691	1.27
8077458	NM_014674	EDEM1	NM_014674 // EDEM1 // ER degradation enhancer, mannosidase alpha-like 1 // 3p26.	0.207057	0.156455	0.583219	0.000692	-1.21
7996654	NM_018430	TSNAXIP1	NM_018430 // TSNAXIP1 // translin-associated factor X interacting protein 1 // 1	0.197601	0.683689	0.824538	0.000694	1.23
8006345	NM_001033568	RHOT1	NM_001033568 // RHOT1 // ras homolog gene family, member T1 // 17q11.2 // 55288	0.382823	0.927569	0.482165	0.000694	-1.17
8039453	NM_001085488	TMEM150B	NM_001085488 // TMEM150B // transmembrane protein 150B // 19q13.42 // 284417 ///	0.375079	0.542428	0.693069	0.000695	-1.27
7995976	NM_152727	CPNE2	NM_152727 // CPNE2 // copine II // 16q13 // 221184 /// ENST00000290776 // CPNE2	0.330418	0.250857	0.745938	0.000699	-1.17
7958784	NM_000690	ALDH2	NM_000690 // ALDH2 // aldehyde dehydrogenase 2 family (mitochondrial) // 12q24.2	0.049443	0.073983	0.0926599	0.000701	-1.23
7981742	BC002792	IGHV5-78	BC002792 // IGHV5-78 // immunoglobulin heavy variable 5-78 pseudogene // 14q32.3	0.136054	0.865733	0.919274	0.000701	1.21
7947861	NM_001080547	SPI1	NM_001080547 // SPI1 // spleen focus forming virus (SFFV) proviral integration o	0.176482	0.56661	0.3677	0.000702	-1.21
7929388	NM_016341	PLCE1	NM_016341 // PLCE1 // phospholipase C, epsilon 1 // 10q23 // 51196 /// NM_001165	1.17E-05	0.582443	0.15231	0.000702	-1.24
7943263	NM_130847	AMOTL1	NM_130847 // AMOTL1 // angiomotin like 1 // 11q14.3 // 154810 /// ENST0000043306	0.589344	0.18002	0.2395	0.000706	-1.18

7957386	NM_024560	ACSS3	NM_024560 // ACSS3 // acyl-CoA synthetase short-chain family member 3 // 12q21.3	0.307927	0.285094	0.454879	0.000709	-1.33
8024900	NM_001048201	UHRF1	NM_001048201 // UHRF1 // ubiquitin-like with PHD and ring finger domains 1 // 19	0.002718	0.78221	0.758793	0.000709	1.18
7997336	NM_020927	VAT1L	NM_020927 // VAT1L // vesicle amine transport protein 1 homolog (T. californica)	0.910706	0.90675	0.498585	0.000709	1.29
8003875	NM_001124758	SPNS2	NM_001124758 // SPNS2 // spinster homolog 2 (Drosophila) // 17p13.2 // 124976 //	0.640305	0.241632	0.80393	0.000712	-1.17
7917008	NM_001105659	LRRIQ3	NM_001105659 // LRRIQ3 // leucine-rich repeats and IQ motif containing 3 // 1p31	0.97627	0.184086	0.765491	0.000716	1.19
8112622	NM_032380	GFM2	NM_032380 // GFM2 // G elongation factor, mitochondrial 2 // 5q13 // 84340 /// N	0.709443	0.046345	0.999413	0.000716	1.20
8065071	NM_198391	FLRT3	NM_198391 // FLRT3 // fibronectin leucine rich transmembrane protein 3 // 20p11	0.356785	0.212405	0.467686	0.000724	-1.26
8049635	NM_015650	TRAF3IP1	NM_015650 // TRAF3IP1 // TNF receptor-associated factor 3 interacting protein 1	0.05749	0.334135	0.871065	0.000724	1.31
8056426	NM_024753	TTC21B	NM_024753 // TTC21B // tetratricopeptide repeat domain 21B // 2q24.3 // 79809 //	0.029787	0.258844	0.8064	0.000728	1.28
8045688	NM_007115	TNFAIP6	NM_007115 // TNFAIP6 // tumor necrosis factor, alpha-induced protein 6 // 2q23.3	0.000502	0.053269	0.0624138	0.000737	1.76
7966746	NM_003806	HRK	NM_003806 // HRK // harakiri, BCL2 interacting protein (contains only BH3 domain	0.90825	0.596883	0.323239	0.000738	1.21

7938746	NM_054032	MRGPRX4	NM_054032 // MRGPRX4 // MAS-related GPR, member X4 // 11p15.1 // 117196 /// ENST	0.751877	0.596487	0.010908	0.000739	-1.20
8003125	NM_005679	TAF1C	NM_005679 // TAF1C // TATA box binding protein (TBP)-associated factor, RNA poly	0.77226	0.740798	0.031502	0.00074	-1.17
8093476	NM_020894	KIAA1530	NM_020894 // KIAA1530 // KIAA1530 // 4p16.3 // 57654 /// ENST00000389851 // KIAA	0.036015	0.337036	0.0935556	0.00074	-1.17
8169419	NM_001099922	ALG13	NM_001099922 // ALG13 // asparagine-linked glycosylation 13 homolog (S. cerevisi	0.008477	0.844764	0.217602	0.000741	1.22
7976642	---		---	0.639632	0.545535	0.009444	0.000743	-1.31
7975390	NM_001034852	SMOC1	NM_001034852 // SMOC1 // SPARC related modular calcium binding 1 // 14q24.2 // 6	0.427342	0.918095	0.589132	0.000746	1.20
8015218	NM_033061	KRTAP4-7	NM_033061 // KRTAP4-7 // keratin associated protein 4-7 // 17q21.2 // 100132476	0.703187	0.988124	0.0176245	0.000746	-1.26
8173600	NM_021963	NAP1L2	NM_021963 // NAP1L2 // nucleosome assembly protein 1-like 2 // Xq13 // 4674 ///	0.318533	0.768297	0.730797	0.000747	1.21
7964665	NM_173812	DPY19L2	NM_173812 // DPY19L2 // dpy-19-like 2 (C. elegans) // 12q14.2 // 283417 /// ENST	0.216978	0.018063	0.613851	0.000747	1.26
8019964	NM_001010000	ARHGAP28	NM_001010000 // ARHGAP28 // Rho GTPase activating protein 28 // 18p11.31 // 7982	0.02808	0.145734	0.168211	0.000749	-1.30
7981998	NR_003339	SNORD116-2	NR_003339 // SNORD116-25 // small nucleolar RNA, C/D box 116-25 // 15q11.2 // 10	0.779635	0.876927	0.842579	0.000749	1.29
8171297	NM_000381	MID1	NM_000381 // MID1 // midline 1 (Opitz/BBB syndrome) // Xp22 // 4281 /// NM_03329	0.516252	0.332185	0.877871	0.000749	1.28

7921955	NM_006917	RXRG	NM_006917 // RXRG // retinoid X receptor, gamma // 1q22-q23 // 6258 /// NR_03382	0.282487	0.136861	0.121412	0.000754	-1.23
8034940	NM_000435	NOTCH3	NM_000435 // NOTCH3 // notch 3 // 19p13.2-p13.1 // 4854 /// ENST00000263388 // N	0.562623	0.953582	0.894191	0.000763	1.26
7937039	NM_001005463	EBF3	NM_001005463 // EBF3 // early B-cell factor 3 // 10q26.3 // 253738 /// ENST00000	0.306237	0.335313	0.610173	0.000764	1.20
8133309	NR_027776	PMS2P5	NR_027776 // PMS2P5 // postmeiotic segregation increased 2 pseudogene 5 // 7q11.	0.104512	0.20266	0.162103	0.000767	1.26
8059720	NM_006056	NMUR1	NM_006056 // NMUR1 // neuromedin U receptor 1 // 2q37.1 // 10316 /// ENST0000030	0.007624	0.452911	0.393447	0.000769	-1.18
8106660	NM_006909	RASGRF2	NM_006909 // RASGRF2 // Ras protein-specific guanine nucleotide-releasing factor	0.09442	0.884353	0.267164	0.000773	1.29
8140668	NM_006080	SEMA3A	NM_006080 // SEMA3A // sema domain, immunoglobulin domain (Ig), short basic doma	0.101041	0.498143	0.20808	0.000773	1.42
7903239	NM_000028	AGL	NM_000028 // AGL // amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase //	0.202175	0.446995	0.0229358	0.000774	1.24
8000649	---		---	0.314889	0.038987	0.273851	0.000778	1.27
8000690	---		---	0.314889	0.038987	0.273851	0.000778	1.27
8027254	NM_007138	ZNF90	NM_007138 // ZNF90 // zinc finger protein 90 // 19p12 // 7643 /// BC137211 // ZN	0.005225	0.675422	0.320986	0.000784	1.26
8175492	NM_173694	ATP11C	NM_173694 // ATP11C // ATPase, class VI, type 11C // Xq27.1 // 286410 /// NM_001	0.516996	0.129771	0.405661	0.000789	1.18

7969640	NM_182848	CLDN10	NM_182848 // CLDN10 // claudin 10 // 13q31-q34 // 9071 /// NM_001160100 // CLDN1	0.245075	0.06534	0.980164	0.00079	1.41
7964460	NM_001195053	DDIT3	NM_001195053 // DDIT3 // DNA-damage-inducible transcript 3 // 12q13.1-q13.2 // 1	0.880775	0.650447	0.868963	0.000795	-1.23
8099132	NM_018659	CYTL1	NM_018659 // CYTL1 // cytokine-like 1 // 4p16-p15 // 54360 /// ENST00000307746 /	0.250362	0.566305	0.025771	0.000795	1.30
7956785	NM_007235	XPOT	NM_007235 // XPOT // exportin, tRNA (nuclear export receptor for tRNAs) // 12q14	0.581598	0.640339	0.896771	0.0008	-1.20
8144388	NM_001164453	FAM90A20	NM_001164453 // FAM90A20 // family with sequence similarity 90, member A20 // 8p	0.781107	0.528254	0.0104151	0.000806	-1.37
7906919	NM_001102445	RGS4	NM_001102445 // RGS4 // regulator of G-protein signaling 4 // 1q23.3 // 5999 ///	0.546811	0.792325	0.697208	0.000808	1.34
7952335	NR_003125	SNORD14E	NR_003125 // SNORD14E // small nucleolar RNA, C/D box 14E // 11q23.3-q25 // 8539	0.858939	0.16309	0.263809	0.000811	1.49
7906662	NM_016406	UFC1	NM_016406 // UFC1 // ubiquitin-fold modifier conjugating enzyme 1 // 1q23.3 // 5	0.353335	0.533953	0.820566	0.000812	1.26
8044225	NM_006588	SULT1C4	NM_006588 // SULT1C4 // sulfotransferase family, cytosolic, 1C, member 4 // 2q12	0.138879	0.098336	0.834668	0.000818	-1.30
7954173	NM_007178	STRAP	NM_007178 // STRAP // serine/threonine kinase receptor associated protein // 12p	0.04287	0.735267	0.95917	0.000821	-1.18
8149122	NR_036686	DEFT1P	NR_036686 // DEFT1P // defensin, theta 1 pseudogene // 8p23.1 // 170949 /// NR_0	0.963824	0.233872	0.540213	0.000821	-1.22
7964870	---		---	0.598174	0.415704	0.0068251	0.000825	-1.18

7948088	NM_032315	SLC25A33	NM_032315 // SLC25A33 // solute carrier family 25, member 33 // 1p36.22 // 84275	0.003194	0.953139	0.786169	0.000828	-1.26
8161945	NM_152573	RASEF	NM_152573 // RASEF // RAS and EF-hand domain containing // 9q21.32 // 158158 ///	0.260202	0.941919	0.232819	0.000829	1.42
8101207	NM_001029870	ANKRD56	NM_001029870 // ANKRD56 // ankyrin repeat domain 56 // 4q21.1 // 345079 /// ENST	0.025722	0.572979	0.490189	0.000832	1.26
8054580	NM_004336	BUB1	NM_004336 // BUB1 // budding uninhibited by benzimidazoles 1 homolog (yeast) //	0.037262	0.369092	0.447558	0.000833	1.23
7995813	NR_027781	MT1DP	NR_027781 // MT1DP // metallothionein 1D (pseudogene) // 16q13 // 326343 /// NR_	0.016223	0.434331	0.705327	0.000834	-1.32
7921332	NM_005894	CD5L	NM_005894 // CD5L // CD5 molecule-like // 1q21-q23 // 922 /// ENST00000368174 //	0.013867	0.496918	0.694605	0.000839	-1.35
7944601	---		---	0.016541	0.065243	0.175978	0.000841	-1.16
7962246	---		---	0.93685	0.524619	0.153805	0.000842	-1.19
8008185	NM_016428	ABI3	NM_016428 // ABI3 // ABI family, member 3 // 17q21.3 // 51225 /// NM_001135186 /	0.938834	0.751198	0.39253	0.000843	-1.17
7940869	NM_178443	FERMT3	NM_178443 // FERMT3 // fermitin family member 3 // 11q13.1 // 83706 /// NM_03147	0.317175	0.800114	0.735363	0.000844	-1.29
7948229	NM_017611	SLC43A3	NM_017611 // SLC43A3 // solute carrier family 43, member 3 // 11q11 // 29015 ///	0.88774	0.815893	0.574398	0.000847	-1.17
8017421	NM_020198	CCDC47	NM_020198 // CCDC47 // coiled-coil domain containing 47 // 17q23.3 // 57003 ///	0.651711	0.071842	0.292985	0.000849	-1.17

8099107	NM_017816	LYAR	NM_017816 // LYAR // Ly1 antibody reactive homolog (mouse) // 4p16.3 // 55646 //	0.734551	0.377586	0.657463	0.000849	-1.25
7988444	NM_016132	MYEF2	NM_016132 // MYEF2 // myelin expression factor 2 // 15q21.1 // 50804 /// ENST000	0.03034	0.046459	0.623888	0.000849	1.22
8113130	NM_024717	MCTP1	NM_024717 // MCTP1 // multiple C2 domains, transmembrane 1 // 5q15 // 79772 ///	0.499915	0.319088	0.481392	0.000852	1.27
8103822	NM_005429	VEGFC	NM_005429 // VEGFC // vascular endothelial growth factor C // 4q34.3 // 7424 ///	0.870008	0.181303	0.282438	0.000853	-1.19
8067167	NM_198433	AURKA	NM_198433 // AURKA // aurora kinase A // 20q13 // 6790 /// NM_003600 // AURKA //	0.044895	0.939513	0.14238	0.000856	1.22
7916627	---		---	0.983314	0.245541	0.779915	0.000861	1.23
7951284	NM_002422	MMP3	NM_002422 // MMP3 // matrix metallopeptidase 3 (stromelysin 1, progelatinase) //	0.48402	0.759627	0.160652	0.000861	1.21
8167526	NM_001098406	GAGE12J	NM_001098406 // GAGE12J // G antigen 12J // Xp11.23 // 729396 /// NM_001476 // G	0.567627	0.004897	0.0010067	0.000866	-1.23
7901460	NM_015696	GPX7	NM_015696 // GPX7 // glutathione peroxidase 7 // 1p32 // 2882 /// ENST0000036131	0.787878	0.489516	0.0280313	0.000869	1.18
8090133	NM_022757	CCDC14	NM_022757 // CCDC14 // coiled-coil domain containing 14 // 3q21.1 // 64770 /// B	0.033316	0.420371	0.815279	0.000872	1.24
8050427	NM_030797	FAM49A	NM_030797 // FAM49A // family with sequence similarity 49, member A // 2p24.2 //	0.068653	0.842361	0.0258837	0.000873	-1.19
8107321	NR_015370	NCRNA00219	NR_015370 // NCRNA00219 // non-protein coding RNA 219 // 5q22.2 // 114915 /// AB	0.342857	0.007293	0.746898	0.000874	-1.17

7933310	---		---	0.403182	0.203515	0.0651841	0.000875	-1.22
7927215	NM_000698	ALOX5	NM_000698 // ALOX5 // arachidonate 5-lipoxygenase // 10q11.2 // 240 /// ENST0000	0.918394	0.555182	0.0535755	0.000878	-1.31
7906688	NM_001122764	PPOX	NM_001122764 // PPOX // protoporphyrinogen oxidase // 1q22 // 5498 /// NM_000309	0.330866	0.926677	0.284066	0.000879	1.20
8165703	AF284753	UIMC1	AF284753 // UIMC1 // ubiquitin interaction motif containing 1 // 5q35.2 // 51720	0.104001	0.945802	0.0147207	0.000879	-1.51
7911343	AF284753	UIMC1	AF284753 // UIMC1 // ubiquitin interaction motif containing 1 // 5q35.2 // 51720	0.104001	0.945802	0.0147207	0.000879	-1.51
7958948	NM_001111322	DDX54	NM_001111322 // DDX54 // DEAD (Asp-Glu-Ala-Asp) box polypeptide 54 // 12q24.13 /	0.991781	0.732942	0.658455	0.000883	1.22
8059949	---		---	0.6257	0.54582	0.984669	0.000884	-1.14
7936529	NM_001127211	KIAA1598	NM_001127211 // KIAA1598 // KIAA1598 // 10q25.3 // 57698 /// NM_018330 // KIAA15	0.271793	0.734997	0.16167	0.000887	-1.25
7921738	NM_007122	USF1	NM_007122 // USF1 // upstream transcription factor 1 // 1q22-q23 // 7391 /// NM_	0.667095	0.641646	0.699866	0.000887	-1.18
7999718	NM_144600	C16orf63	NM_144600 // C16orf63 // chromosome 16 open reading frame 63 // 16p13.11 // 1238	0.9547	0.899308	0.317434	0.000889	-1.17
7902541	NM_006820	IFI44L	NM_006820 // IFI44L // interferon-induced protein 44-like // 1p31.1 // 10964 ///	0.937531	0.474257	0.41565	0.00089	1.70
8149356	NM_201402	USP17L2	NM_201402 // USP17L2 // ubiquitin specific peptidase 17-like 2 // 8p23.1 // 3776	0.901051	0.681097	0.0041945	0.000896	-1.55

8004464	NR_037146	TNFSF12	NR_037146 // TNFSF12 // tumor necrosis factor (ligand) superfamily, member 12 //	0.555266	0.176771	0.628534	0.000898	-1.16
8051928	NM_006036	PREPL	NM_006036 // PREPL // prolyl endopeptidase-like // 2p21 // 9581 /// NM_001171606	0.386911	0.097992	0.70808	0.000905	1.18
8109773	NM_001161661	WWC1	NM_001161661 // WWC1 // WW and C2 domain containing 1 // 5q34 // 23286 /// NM_00	0.046977	0.314385	0.826332	0.000907	-1.23
8140258	NR_027775	PMS2P5	NR_027775 // PMS2P5 // postmeiotic segregation increased 2 pseudogene 5 // 7q11.	0.03862	0.048801	0.0339183	0.000907	1.25
8156309	NM_006705	GADD45G	NM_006705 // GADD45G // growth arrest and DNA-damage-inducible, gamma // 9q22.1-	0.047216	0.694336	0.832729	0.000913	-1.22
7903092	NM_001024948	FNBP1L	NM_001024948 // FNBP1L // formin binding protein 1-like // 1p22.1 // 54874 /// N	0.148321	0.431091	0.984293	0.000913	-1.24
7987145	NM_001103184	FMN1	NM_001103184 // FMN1 // formin 1 // 15q13.3 // 342184 /// ENST00000334528 // FMN	0.398779	0.524598	0.11307	0.000917	-1.34
7924058	NM_006147	IRF6	NM_006147 // IRF6 // interferon regulatory factor 6 // 1q32.3-q41 // 3664 /// EN	0.446818	0.855043	0.698659	0.000921	1.48
8064751	NM_015417	SPEF1	NM_015417 // SPEF1 // sperm flagellar 1 // 20pter-q11.23 // 25876 /// ENST000003	0.904785	0.848071	0.981549	0.000923	1.23
7975616	NM_031427	DNAL1	NM_031427 // DNAL1 // dynein, axonemal, light chain 1 // 14q24.3 // 83544 /// EN	0.21041	0.092629	0.986948	0.000924	1.30
8016245	NR_002940	LRRC37A4	NR_002940 // LRRC37A4 // leucine rich repeat containing 37, member A4 (pseudogen	0.158038	0.062913	0.981752	0.000926	1.36

7981326	NR_031649	MIR1247	NR_031649 // MIR1247 // microRNA 1247 // --- // 100302145 /// BC065701 // DIO3-O	0.341185	0.386748	0.870603	0.000927	-1.17
7898355	---		---	0.280351	0.065417	0.0040551	0.000927	-1.28
8089954	NM_001023570	IQCB1	NM_001023570 // IQCB1 // IQ motif containing B1 // 3q13.33|3q21.1 // 9657 /// NM	0.350625	0.61631	0.393716	0.00093	1.21
7933484	NM_001006939	LRRC18	NM_001006939 // LRRC18 // leucine rich repeat containing 18 // 10q11.23 // 47435	0.144525	0.162553	0.287962	0.000931	1.28
8105852	NM_033281	MRPS36	NM_033281 // MRPS36 // mitochondrial ribosomal protein S36 // 5q13.2 // 92259 //	0.219591	0.635783	0.682161	0.000932	-1.18
8150428	NM_003012	SFRP1	NM_003012 // SFRP1 // secreted frizzled-related protein 1 // 8p11.21 // 6422 ///	0.955406	0.909824	0.29426	0.000933	1.57
8099362	---		---	0.131269	0.138042	0.658679	0.000933	-1.27
7961964	NM_018164	C12orf11	NM_018164 // C12orf11 // chromosome 12 open reading frame 11 // 12p11.23 // 5572	0.531624	0.002193	0.618439	0.000935	1.20
8070826	NM_000211	ITGB2	NM_000211 // ITGB2 // integrin, beta 2 (complement component 3 receptor 3 and 4	0.251403	0.920474	0.399861	0.000943	-1.31
8120402	NM_004282	BAG2	NM_004282 // BAG2 // BCL2-associated athanogene 2 // 6p12.1-p11.2 // 9532 /// EN	0.747884	0.478738	0.203837	0.000946	1.21
8171823	NM_024122	APOO	NM_024122 // APOO // apolipoprotein O // Xp22.11 // 79135 /// NR_026545 // APOO	0.401459	0.052305	0.851778	0.00095	1.28
8030383	NM_020650	RCN3	NM_020650 // RCN3 // reticulocalbin 3, EF-hand calcium binding domain // 19q13.3	0.377045	0.233287	0.146029	0.000958	1.24

8006433	NM_002982	CCL2	NM_002982 // CCL2 // chemokine (C-C motif) ligand 2 // 17q11.2-q12 // 6347 /// E	0.000169	0.143371	0.92614	0.000961	1.72
7991224	NM_178232	HAPLN3	NM_178232 // HAPLN3 // hyaluronan and proteoglycan link protein 3 // 15q26.1 //	0.007997	0.719037	0.40533	0.000963	1.22
7933945	---		---	0.53482	0.599277	0.542971	0.000965	1.20
7983910	NM_020980	AQP9	NM_020980 // AQP9 // aquaporin 9 // 15q // 366 /// ENST00000219919 // AQP9 // aq	0.026026	0.166164	0.0698053	0.000968	-1.57
7921434	NM_004833	AIM2	NM_004833 // AIM2 // absent in melanoma 2 // 1q22 // 9447 /// ENST00000368130 //	0.366519	0.327638	0.130281	0.000969	1.41
8154733	NM_002197	ACO1	NM_002197 // ACO1 // aconitase 1, soluble // 9p22-q32|9p21.1 // 48 /// ENST00000	0.481739	0.554503	0.0419624	0.000971	-1.20
7970241	NM_000504	F10	NM_000504 // F10 // coagulation factor X // 13q34 // 2159 /// ENST00000375559 //	0.151643	0.055481	0.327547	0.000981	-1.19
8021181	NR_003003	SCARNA17	NR_003003 // SCARNA17 // small Cajal body-specific RNA 17 // 18q21.1 // 677769	0.008695	0.878124	0.157534	0.000983	-1.21
7978222	NM_000359	TGM1	NM_000359 // TGM1 // transglutaminase 1 (K polypeptide epidermal type I, protein	0.781183	0.235199	0.269442	0.000983	-1.25
8048898	NM_007237	SP140	NM_007237 // SP140 // SP140 nuclear body protein // 2q37.1 // 11262 /// NM_00100	0.46009	0.755421	0.789495	0.000983	1.35
7971573	NM_001268	RCBTB2	NM_001268 // RCBTB2 // regulator of chromosome condensation (RCC1) and BTB (POZ)	0.380575	0.030449	0.404016	0.000984	1.16
8149383	NR_036463	FAM90A25P	NR_036463 // FAM90A25P // family with sequence similarity 90 pseudogene // 8p23.	0.85791	0.706533	0.0171598	0.000984	-1.39

7907160	NM_001677	ATP1B1	NM_001677 // ATP1B1 // ATPase, Na+/K+ transporting, beta 1 polypeptide // 1q24 /	0.406312	0.996237	0.698478	0.000984	1.20
7918634	NM_006608	PHTF1	NM_006608 // PHTF1 // putative homeodomain transcription factor 1 // 1p13 // 107	0.466858	0.087455	0.868856	0.000987	1.21
7937287	NM_002817	PSMD13	NM_002817 // PSMD13 // proteasome (prosome, macropain) 26S subunit, non-ATPase,	0.062889	0.67985	0.831889	0.000988	-1.17
8160138	NM_001190737	NFIB	NM_001190737 // NFIB // nuclear factor I/B // 9p24.1 // 4781 /// NM_005596 // NF	0.003411	0.917271	0.0892299	0.000989	1.20
8144428	NM_001164456	FAM90A13	NM_001164456 // FAM90A13 // family with sequence similarity 90, member A13 // 8p	0.958321	0.450648	0.0105434	0.00099	-1.35
8144432	NM_001164450	FAM90A8	NM_001164450 // FAM90A8 // family with sequence similarity 90, member A8 // 8p23	0.958321	0.450648	0.0105434	0.00099	-1.35
8144436	NM_001164456	FAM90A13	NM_001164456 // FAM90A13 // family with sequence similarity 90, member A13 // 8p	0.958321	0.450648	0.0105434	0.00099	-1.35
8144444	NM_001164450	FAM90A8	NM_001164450 // FAM90A8 // family with sequence similarity 90, member A8 // 8p23	0.958321	0.450648	0.0105434	0.00099	-1.35
7949264	NM_006795	EHD1	NM_006795 // EHD1 // EH-domain containing 1 // 11q13 // 10938 /// ENST0000032063	0.422598	0.013837	0.105246	0.000997	-1.17
8149361	NM_001136572	FAM90A7	NM_001136572 // FAM90A7 // family with sequence similarity 90, member A7 // 8p23	0.828637	0.717504	0.0161653	0.001004	-1.39
8024238	NM_001280	CIRBP	NM_001280 // CIRBP // cold inducible RNA binding protein // 19p13.3 // 1153 ///	0.00626	0.579542	0.348915	0.001005	-1.19
8115664	---		---	0.607404	0.987327	0.384438	0.001006	-1.21

8084275	NM_130770	HTR3C	NM_130770 // HTR3C // 5-hydroxytryptamine (serotonin) receptor 3, family member	0.988674	0.392455	0.0848227	0.001012	-1.28
8048976	---		---	0.019629	0.583752	0.231325	0.001014	-1.29
7999364	NM_001134407	GRIN2A	NM_001134407 // GRIN2A // glutamate receptor, ionotropic, N-methyl D-aspartate 2	0.690096	0.212781	0.0863526	0.001015	1.20
8100210	NM_003328	TXK	NM_003328 // TXK // TXK tyrosine kinase // 4p12 // 7294 /// ENST00000264316 // T	0.214253	0.271336	0.365539	0.00102	-1.29
7994659	NM_017458	MVP	NM_017458 // MVP // major vault protein // 16p11.2 // 9961 /// NM_005115 // MVP	0.016114	0.427861	0.898198	0.00102	-1.18
8122146	NR_026969	LOC285735	NR_026969 // LOC285735 // hypothetical LOC285735 // 6q23.2 // 285735	0.176735	0.816294	0.381897	0.001023	1.20
8042038	NR_002229	RPL23AP32	NR_002229 // RPL23AP32 // ribosomal protein L23a pseudogene 32 // 2p16.2 // 5696	0.003188	0.535175	0.0862422	0.001026	-1.39
7909350	NM_001006658	CR2	NM_001006658 // CR2 // complement component (3d/Epstein Barr virus) receptor 2 /	0.389167	0.531127	0.931332	0.001027	1.65
7960362	AY358109	LOC1001288	AY358109 // LOC100128816 // ACAH3104 // 12p13.32 // 100128816	0.368089	0.010709	0.744328	0.00103	1.33
7993267	NM_001192	TNFRSF17	NM_001192 // TNFRSF17 // tumor necrosis factor receptor superfamily, member 17 /	0.306424	0.282063	0.333749	0.001033	1.32
8021866	NM_172387	NFATC1	NM_172387 // NFATC1 // nuclear factor of activated T-cells, cytoplasmic, calcine	0.122006	0.53493	0.168946	0.001034	1.17
7920492	NM_001098616	C1orf43	NM_001098616 // C1orf43 // chromosome 1 open reading frame 43 // 1q21.2 // 25912	0.03986	0.832054	0.382775	0.001034	-1.16

8177658	NM_021967	SERF1A	NM_021967 // SERF1A // small EDRK-rich factor 1A (telomeric) // 5q13 // 8293 ///	0.223084	0.469967	0.450695	0.001036	-1.21
7942879	NM_001193538	TMEM126B	NM_001193538 // TMEM126B // transmembrane protein 126B // 11q14.1 // 55863 /// N	0.294436	0.438614	0.856803	0.001039	-1.20
8166179	NR_026551	CA5BP	NR_026551 // CA5BP // carbonic anhydrase VB pseudogene // Xp22.2 // 340591	0.553626	2.61E-05	0.374444	0.00104	-1.16
8056376	NM_006922	SCN3A	NM_006922 // SCN3A // sodium channel, voltage-gated, type III, alpha subunit //	0.374218	0.535951	0.766717	0.001047	1.24
8017711	NM_006572	GNA13	NM_006572 // GNA13 // guanine nucleotide binding protein (G protein), alpha 13 /	0.29054	0.997471	0.308878	0.001049	-1.17
8095467	NM_152997	C4orf7	NM_152997 // C4orf7 // chromosome 4 open reading frame 7 // 4q13|4q13 // 260436	0.152106	0.449064	0.689908	0.00105	1.27
7918153	---		---	0.691166	0.25081	0.404861	0.001056	1.19
8133027	AK128836	LOC1001322	AK128836 // LOC100132217 // similar to hCG1793472 // 7q11.21 // 100132217 /// AK	0.240612	0.615448	0.0674366	0.001059	-1.23
8011823	NM_032530	ZNF594	NM_032530 // ZNF594 // zinc finger protein 594 // 17p13 // 84622 /// ENST0000039	0.005571	0.517326	0.664771	0.001061	1.30
7972803	---		---	0.985786	0.171832	0.702756	0.001062	-1.33
8170648	NM_001711	BGN	NM_001711 // BGN // biglycan // Xq28 // 633 /// ENST00000331595 // BGN // biglyc	0.720182	0.862567	0.914696	0.001071	1.33
8001800	NM_001797	CDH11	NM_001797 // CDH11 // cadherin 11, type 2, OB-cadherin (osteoblast) // 16q22.1 /	0.42003	0.75025	0.77277	0.001072	1.25

8135774	NM_002851	PTPRZ1	NM_002851 // PTPRZ1 // protein tyrosine phosphatase, receptor-type, Z polypeptid	0.703036	0.108502	0.738293	0.00108	1.72
8094759	NM_024677	NSUN7	NM_024677 // NSUN7 // NOP2/Sun domain family, member 7 // 4p14 // 79730 /// ENST	0.465595	0.254825	0.853763	0.001082	1.55
7959482	---		---	0.331331	0.019556	0.0180887	0.001082	1.22
8160258	---		---	0.440106	0.128833	0.213282	0.001083	1.20
7948973	NM_054108	HRASLS5	NM_054108 // HRASLS5 // HRAS-like suppressor family, member 5 // 11q13.2 // 1172	0.109283	0.186755	0.371688	0.001083	-1.18
8167562	NM_001127345	GAGE12B	NM_001127345 // GAGE12B // G antigen 12B // Xp11.23 // 729428 /// NM_001098409 /	0.363247	0.004958	0.0004962	0.001085	-1.31
7920278	NM_002960	S100A3	NM_002960 // S100A3 // S100 calcium binding protein A3 // 1q21 // 6274 /// ENST0	0.91261	0.294188	0.613351	0.001087	-1.36
8074388	NM_005984	SLC25A1	NM_005984 // SLC25A1 // solute carrier family 25 (mitochondrial carrier; citrate	0.014386	0.202293	0.965975	0.00109	-1.15
8090364	AK093796	ZXDC	AK093796 // ZXDC // ZXD family zinc finger C // 3q21.3 // 79364	0.108401	0.94926	0.440195	0.001095	-1.26
8147079	NM_033402	LRRCC1	NM_033402 // LRRCC1 // leucine rich repeat and coiled-coil domain containing 1 /	0.046205	0.424441	0.453247	0.001096	1.22
8113120	BC028919	TOB2	BC028919 // TOB2 // transducer of ERBB2, 2 // 22q13.2 // 10766	0.044784	0.897308	0.0153118	0.001099	-1.42
8165707	BC028919	TOB2	BC028919 // TOB2 // transducer of ERBB2, 2 // 22q13.2 // 10766	0.044784	0.897308	0.0153118	0.001099	-1.42
8043500	---		---	0.483144	0.86824	0.0068465	0.0011	-1.49
8019737	NM_002266	KPNA2	NM_002266 // KPNA2 // karyopherin alpha 2 (RAG cohort 1, importin alpha 1) // 17	0.009786	0.362919	0.175396	0.001102	1.22

7920271	NM_019554	S100A4	NM_019554 // S100A4 // S100 calcium binding protein A4 // 1q21 // 6275 /// NM_00	0.827755	0.052151	0.547995	0.001105	-1.28
8024485	NM_015675	GADD45B	NM_015675 // GADD45B // growth arrest and DNA-damage-inducible, beta // 19p13.3	0.030447	0.051264	0.926752	0.001107	-1.35
8144424	NM_001164456	FAM90A13	NM_001164456 // FAM90A13 // family with sequence similarity 90, member A13 // 8p	0.989209	0.46867	0.0086303	0.001108	-1.35
8144440	NM_001164451	FAM90A18	NM_001164451 // FAM90A18 // family with sequence similarity 90, member A18 // 8p	0.989209	0.46867	0.0086303	0.001108	-1.35
7974689	NM_016651	DACT1	NM_016651 // DACT1 // dapper, antagonist of beta-catenin, homolog 1 (Xenopus lae	0.539784	0.627242	0.34388	0.001117	1.23
7955231	NM_012284	KCNH3	NM_012284 // KCNH3 // potassium voltage-gated channel, subfamily H (eag-related)	0.372788	0.879975	0.771615	0.001118	1.18
8144395	NM_201402	USP17L2	NM_201402 // USP17L2 // ubiquitin specific peptidase 17-like 2 // 8p23.1 // 3776	0.944825	0.675517	0.0050592	0.001118	-1.51
8016909	NM_017777	MKS1	NM_017777 // MKS1 // Meckel syndrome, type 1 // 17q22 // 54903 /// NM_001165927	0.277375	0.337915	0.676346	0.001119	1.24
8157976	NM_032293	GARNL3	NM_032293 // GARNL3 // GTPase activating Rap/RanGAP domain-like 3 // 9q33.3 // 8	0.005526	0.535464	0.398986	0.001124	1.16
7952011	NM_004588	SCN2B	NM_004588 // SCN2B // sodium channel, voltage-gated, type II, beta // 11q23 // 6	0.23305	0.074767	0.716009	0.001128	1.18
7956539	NM_178502	DTX3	NM_178502 // DTX3 // deltex homolog 3 (Drosophila) // 12q13.3 // 196403 /// ENST	0.045178	0.400415	0.119172	0.001132	1.18

7944799	NM_001001953	OR10G9	NM_001001953 // OR10G9 // olfactory receptor, family 10, subfamily G, member 9 /	0.329982	0.974792	0.0055434	0.001134	-1.21
8154973	NM_203299	C9orf131	NM_203299 // C9orf131 // chromosome 9 open reading frame 131 // 9p13.3 // 138724	0.558197	0.081045	0.0166545	0.001138	-1.24
7985488	BC112329	FAM103A1	BC112329 // FAM103A1 // family with sequence similarity 103, member A1 // 15q25.	0.496791	0.228153	0.85955	0.00114	-1.16
7986601	---		---	0.296541	0.901476	0.237393	0.001141	-1.19
7986739	---		---	0.296541	0.901476	0.237393	0.001141	-1.19
7922689	NM_002065	GLUL	NM_002065 // GLUL // glutamate-ammonia ligase // 1q31 // 2752 /// NM_001033044 /	0.427151	0.599764	0.0944718	0.001147	-1.22
8112007	NM_198449	EMB	NM_198449 // EMB // embigin // 5q11.1 // 133418 /// ENST00000303221 // EMB // em	0.811244	0.387733	0.660736	0.001148	1.23
8067113	NM_006526	ZNF217	NM_006526 // ZNF217 // zinc finger protein 217 // 20q13.2 // 7764 /// ENST000003	0.991828	0.067302	0.108834	0.001153	1.20
8076826	NR_026997	C22orf34	NR_026997 // C22orf34 // chromosome 22 open reading frame 34 // 22q13.33 // 3486	0.758448	0.28912	0.0298147	0.001157	-1.21
8165808	NM_001141919	XG	NM_001141919 // XG // Xg blood group // Xp22.33 // 7499 /// NM_175569 // XG // X	0.516682	0.097001	0.838827	0.001159	1.23
8143643	NM_022445	TPK1	NM_022445 // TPK1 // thiamin pyrophosphokinase 1 // 7q34-q35 // 27010 /// NM_001	0.388197	0.503379	0.581249	0.001159	-1.19
7945680	NR_002196	H19	NR_002196 // H19 // H19, imprinted maternally expressed transcript (non-protein	0.313004	0.349691	0.511362	0.001167	-1.56

7961339	NM_002336	LRP6	NM_002336 // LRP6 // low density lipoprotein receptor-related protein 6 // 12p13	0.205527	0.013405	0.336865	0.001168	-1.20
7905553	NM_003125	SPRR1B	NM_003125 // SPRR1B // small proline-rich protein 1B // 1q21-q22 // 6699 /// ENS	0.184256	0.036085	0.325244	0.001168	1.18
8028742	NM_001190441	LGALS16	NM_001190441 // LGALS16 // beta-galactoside-binding lectin // 19q13.2 // 148003	0.258583	0.703101	0.0202575	0.001173	-1.23
7919612	NM_001123375	HIST2H3D	NM_001123375 // HIST2H3D // histone cluster 2, H3d // 1q21.2 // 653604 /// NM_00	0.005574	0.103559	0.716512	0.001178	1.23
8078330	NM_001003793	RBMS3	NM_001003793 // RBMS3 // RNA binding motif, single stranded interacting protein	4.00E-05	0.632293	0.143866	0.001181	-1.20
8043426	---		---	0.364844	0.525221	0.584496	0.001182	1.69
8026456	NM_000896	CYP4F3	NM_000896 // CYP4F3 // cytochrome P450, family 4, subfamily F, polypeptide 3 //	0.727335	0.589532	0.719668	0.001188	-1.21
7961230	NM_003651	CSDA	NM_003651 // CSDA // cold shock domain protein A // 12p13.1 // 8531 /// NM_00114	0.162404	0.595702	0.903902	0.001189	-1.20
8138735	NM_019102	HOXA5	NM_019102 // HOXA5 // homeobox A5 // 7p15.2 // 3202 /// ENST00000222726 // HOXA5	0.003424	0.88339	0.279653	0.00119	-1.43
8035980	NM_033103	RHPN2	NM_033103 // RHPN2 // rhophilin, Rho GTPase binding protein 2 // 19q13.11 // 854	0.790332	0.557128	0.827633	0.001201	1.30
8147756	NM_024812	BAALC	NM_024812 // BAALC // brain and acute leukemia, cytoplasmic // 8q22.3 // 79870 /	0.896361	0.437146	0.0034409	0.001213	-1.15
7971486	NM_025113	C13orf18	NM_025113 // C13orf18 // chromosome 13 open reading frame 18 // 13q14.13 // 8018	0.026585	0.655355	0.939234	0.001216	1.27

8161488	NR_002817	AQP7P1	NR_002817 // AQP7P1 // aquaporin 7 pseudogene 1 // 9q13 // 375719 /// NM_001170	0.801454	0.047587	0.0796324	0.001217	-1.24
8120411	NM_000947	PRIM2	NM_000947 // PRIM2 // primase, DNA, polypeptide 2 (58kDa) // 6p12-p11.1 // 5558	0.253979	0.244422	0.602557	0.001217	1.18
7929562	NM_014803	ZNF518A	NM_014803 // ZNF518A // zinc finger protein 518A // 10q24.1 // 9849 /// ENST0000	0.000281	0.071205	0.895002	0.001219	1.20
7917942	AK092728	FLJ35409	AK092728 // FLJ35409 // FLJ35409 protein // 1p21.3 // 400765	0.112576	0.443926	0.283877	0.001224	-1.18
7989069	NM_015617	PYGO1	NM_015617 // PYGO1 // pygopus homolog 1 (Drosophila) // 15q21.1 // 26108 /// ENS	0.447601	0.887466	0.258455	0.001229	1.16
7918474	NM_178454	DRAM2	NM_178454 // DRAM2 // DNA-damage regulated autophagy modulator 2 // 1p13.3 // 12	0.616679	0.314851	0.454745	0.00123	1.17
8001564	NM_018110	DOK4	NM_018110 // DOK4 // docking protein 4 // 16q21 // 55715 /// ENST00000340099 //	0.288497	0.032079	0.248958	0.001232	-1.21
8161133	NM_172312	SPAG8	NM_172312 // SPAG8 // sperm associated antigen 8 // 9p13.3 // 26206 /// NM_00103	0.292491	0.25326	0.677614	0.001233	1.29
7961887	---		---	0.204252	0.859306	0.238091	0.001237	1.18
8156082	---		---	0.442127	0.778662	0.239898	0.001239	-1.17
7976810	NR_003231	SNORD113-3	NR_003231 // SNORD113-3 // small nucleolar RNA, C/D box 113-3 // 14q32.31 // 767	0.979606	0.347004	0.990768	0.001239	1.35
8144448	NM_001164447	FAM90A10	NM_001164447 // FAM90A10 // family with sequence similarity 90, member A10 // 8p	0.905918	0.566212	0.0060943	0.001242	-1.35
7968361	BC030277	C13orf26	BC030277 // C13orf26 // chromosome 13 open reading frame 26 // 13q12.3 // 122046	0.046668	0.6197	0.657028	0.001244	1.25

7947681	NM_004308	ARHGAP1	NM_004308 // ARHGAP1 // Rho GTPase activating protein 1 // 11p11.2 // 392 /// EN	0.66032	0.540585	0.708158	0.001247	1.18
8051387	NM_032574	DPY30	NM_032574 // DPY30 // dpy-30 homolog (C. elegans) // 2p22.3 // 84661 /// ENST000	0.875127	0.879226	0.819135	0.001247	1.18
8016099	NM_004247	EFTUD2	NM_004247 // EFTUD2 // elongation factor Tu GTP binding domain containing 2 // 1	0.093142	0.817322	0.996058	0.001247	-1.17
8041172	NM_199280	FAM179A	NM_199280 // FAM179A // family with sequence similarity 179, member A // 2p23.2	0.28668	0.194754	0.658838	0.001248	1.31
8098549	NM_020225	STOX2	NM_020225 // STOX2 // storkhead box 2 // 4q35.1 // 56977 /// ENST00000308497 //	0.31386	0.388534	0.958174	0.001254	1.16
8009301	NM_002737	PRKCA	NM_002737 // PRKCA // protein kinase C, alpha // 17q22-q23.2 // 5578 /// ENST000	0.86695	0.863188	0.522064	0.001254	-1.17
8137244	NM_018326	GIMAP4	NM_018326 // GIMAP4 // GTPase, IMAP family member 4 // 7q36.1 // 55303 /// ENST0	0.787757	0.406183	0.516074	0.001258	-1.26
7914665	---		---	0.460692	0.96304	0.0377933	0.001258	-1.25
8056363	NM_173512	SLC38A11	NM_173512 // SLC38A11 // solute carrier family 38, member 11 // 2q24.3 // 151258	0.630051	0.141513	0.396461	0.00126	1.35
7963406	NM_005555	KRT6B	NM_005555 // KRT6B // keratin 6B // 12q12-q13 // 3854 /// ENST00000252252 // KRT	0.013684	0.156761	0.174733	0.00126	1.26
7998634	NM_001009606	HS3ST6	NM_001009606 // HS3ST6 // heparan sulfate (glucosamine) 3-O-sulfotransferase 6 /	0.79935	0.677827	0.853777	0.001263	1.19
8034249	NM_145045	CCDC151	NM_145045 // CCDC151 // coiled-coil domain containing 151 // 19p13.2 // 115948 /	0.75442	0.737175	0.978068	0.001267	1.21

8149204	NM_001136572	FAM90A7	NM_001136572 // FAM90A7 // family with sequence similarity 90, member A7 // 8p23	0.888157	0.46368	0.0162712	0.001274	-1.35
8039120	NM_206818	OSCAR	NM_206818 // OSCAR // osteoclast associated, immunoglobulin-like receptor // 19q	0.108221	0.366626	0.192666	0.001275	-1.15
8135464	NM_000108	DLD	NM_000108 // DLD // dihydrolipoamide dehydrogenase // 7q31-q32 // 1738 /// ENST0	0.527741	0.218016	0.419599	0.001278	-1.16
8115594	NM_031908	C1QTNF2	NM_031908 // C1QTNF2 // C1q and tumor necrosis factor related protein 2 // 5q33.	0.523566	0.251114	0.899152	0.001279	1.18
8102135	NM_025212	CXXC4	NM_025212 // CXXC4 // CXXC finger protein 4 // 4q22-q24 // 80319 /// ENST0000030	0.63861	0.024762	0.794931	0.001283	1.19
8049123	NM_001632	ALPP	NM_001632 // ALPP // alkaline phosphatase, placental // 2q37 // 250 /// ENST0000	0.084284	0.02049	0.942378	0.001283	-1.21
7913787	BC063891	C1orf201	BC063891 // C1orf201 // chromosome 1 open reading frame 201 // 1p36.11 // 90529	0.544348	0.33257	0.87526	0.001283	1.26
8045171	NM_033416	IMP4	NM_033416 // IMP4 // IMP4, U3 small nucleolar ribonucleoprotein, homolog (yeast)	0.005438	0.995806	0.975807	0.001285	-1.16
8008646	NM_021626	SCPEP1	NM_021626 // SCPEP1 // serine carboxypeptidase 1 // 17q22 // 59342 /// ENST00000	0.61846	0.493559	0.635509	0.00129	1.20
7962427	NM_031292	PUS7L	NM_031292 // PUS7L // pseudouridylate synthase 7 homolog (S. cerevisiae)-like //	0.142906	0.014234	0.728879	0.001295	1.22
7990683	NM_015162	ACSBG1	NM_015162 // ACSBG1 // acyl-CoA synthetase bubblegum family member 1 // 15q23-q2	0.592428	0.219355	0.908429	0.001296	1.19
8096025	---		---	0.457665	0.483974	0.209183	0.001299	1.20

8065353	NM_000361	THBD	NM_000361 // THBD // thrombomodulin // 20p11.2 // 7056 /// ENST00000377103 // TH	0.675912	0.048895	0.31661	0.001307	-1.30
8009653	NM_007261	CD300A	NM_007261 // CD300A // CD300a molecule // 17q25.1 // 11314 /// ENST00000360141 /	0.097819	0.652952	0.432962	0.00131	-1.25
8022022	NM_014646	LPIN2	NM_014646 // LPIN2 // lipin 2 // 18p11.31 // 9663 /// ENST00000261596 // LPIN2 /	0.621298	0.03104	0.0948425	0.001311	-1.18
7974008	BC038110	TTC6	BC038110 // TTC6 // tetratricopeptide repeat domain 6 // 14q21.1 // 319089	0.346059	0.896742	0.997684	0.001316	1.22
7908861	AF314543	OCR1	AF314543 // OCR1 // ovarian cancer-related protein 1 // 1q32.1 // 100128298	0.753926	0.970753	0.470167	0.001322	1.34
8144279	NM_018941	CLN8	NM_018941 // CLN8 // ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive wi	0.035387	0.449397	0.535195	0.001322	-1.19
7941927	NM_003977	AIP	NM_003977 // AIP // aryl hydrocarbon receptor interacting protein // 11q13.3 //	0.692392	0.011341	0.441902	0.001324	-1.15
8179313	NM_138277	C6orf25	NM_138277 // C6orf25 // chromosome 6 open reading frame 25 // 6p21.33 // 80739 /	0.936279	0.245218	0.990721	0.001324	-1.16
8117598	NM_021968	HIST1H4J	NM_021968 // HIST1H4J // histone cluster 1, H4j // 6p22.1 // 8363 /// NM_003541	0.000398	0.931019	0.27105	0.001332	1.19
7915612	NM_001166292	PTCH2	NM_001166292 // PTCH2 // patched 2 // 1p34.1 // 8643 /// ENST00000438067 // PTCH	0.186367	0.82583	0.775599	0.001334	1.53
7930533	NR_015409	LOC143188	NR_015409 // LOC143188 // hypothetical LOC143188 // 10q25.2 // 143188	0.851954	0.480372	0.743998	0.001344	-1.32
8100495	NM_002703	PPAT	NM_002703 // PPAT // phosphoribosyl pyrophosphate amidotransferase // 4q12 // 54	0.168394	0.168681	0.600954	0.001352	1.24

8081779	NM_173570	ZDHHC23	NM_173570 // ZDHHC23 // zinc finger, DHHC-type containing 23 // 3q13.31 // 25488	0.405776	0.362145	0.285981	0.001355	1.19
7970999	NM_015087	SPG20	NM_015087 // SPG20 // spastic paraplegia 20 (Troyer syndrome) // 13q13.3 // 2311	0.161646	0.292341	0.661286	0.001361	-1.17
8057045	NM_181342	FKBP7	NM_181342 // FKBP7 // FK506 binding protein 7 // 2q31.2 // 51661 /// NM_00113521	0.599699	0.962706	0.278989	0.001362	1.15
7984819	NM_025055	CCDC33	NM_025055 // CCDC33 // coiled-coil domain containing 33 // 15q24.1 // 80125 ///	0.576061	0.207368	0.866249	0.001365	1.23
7994487	NM_001178098	CD19	NM_001178098 // CD19 // CD19 molecule // 16p11.2 // 930 /// NM_001770 // CD19 //	0.030994	0.851789	0.945476	0.001367	1.24
7995834	NR_003669	MT1IP	NR_003669 // MT1IP // metallothionein 1I (pseudogene) // 16q13 // 644314 /// AF3	0.03221	0.883692	0.822891	0.00137	-1.32
8032789	NM_017720	STAP2	NM_017720 // STAP2 // signal transducing adaptor family member 2 // 19p13.3 // 5	0.022986	0.824877	0.531217	0.001371	1.19
8166876	NM_001356	DDX3X	NM_001356 // DDX3X // DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked // Xp11	0.906016	1.34E-14	0.323548	0.001375	-1.15
7898026	NM_001045480	PRAMEF16	NM_001045480 // PRAMEF16 // PRAME family member 16 // 1p36.21 // 654348 /// NM_0	0.931876	0.143888	0.0844295	0.00138	-1.21
7925741	NM_001004695	OR2T33	NM_001004695 // OR2T33 // olfactory receptor, family 2, subfamily T, member 33 /	0.545058	0.713732	0.0487652	0.00138	-1.16
8001337	NM_015069	ZNF423	NM_015069 // ZNF423 // zinc finger protein 423 // 16q12 // 23090 /// ENST0000026	0.124465	0.584767	0.64352	0.001382	1.16

7998510	NM_001287	CLCN7	NM_001287 // CLCN7 // chloride channel 7 // 16p13 // 1186 /// NM_001114331 // CL	0.505618	0.494942	0.42618	0.001384	-1.17
8119016	NM_002754	MAPK13	NM_002754 // MAPK13 // mitogen-activated protein kinase 13 // 6p21.31 // 5603 //	0.013939	0.47617	0.216997	0.001398	-1.17
8031827	NM_032828	ZNF587	NM_032828 // ZNF587 // zinc finger protein 587 // 19q13.43 // 84914 /// ENST0000	0.01289	0.119109	0.285706	0.001399	1.17
8141765	---		---	0.237856	0.894648	0.863846	0.0014	-1.16
7906904	NM_016371	HSD17B7	NM_016371 // HSD17B7 // hydroxysteroid (17-beta) dehydrogenase 7 // 1q23 // 5147	0.916512	0.035131	0.447775	0.001407	-1.22
8050213	---		---	0.08519	0.050413	0.754735	0.001409	-1.24
8165334	NM_004669	CLIC3	NM_004669 // CLIC3 // chloride intracellular channel 3 // 9q34.3 // 9022 /// ENS	0.495885	0.01139	0.13594	0.001414	-1.23
8074153	NM_001097	ACR	NM_001097 // ACR // acrosin // 22q13-qter|22q13.33 // 49 /// ENST00000216139 //	0.492283	0.952954	0.269371	0.001434	-1.17
8152222	NM_015878	AZIN1	NM_015878 // AZIN1 // antizyme inhibitor 1 // 8q22.3 // 51582 /// NM_148174 // A	0.695746	0.056511	0.946686	0.001436	1.23
8172379	NR_033730	ZNF630	NR_033730 // ZNF630 // zinc finger protein 630 // Xp11.3-p11.1 // 57232 /// NM_0	0.206266	0.030361	0.945821	0.001439	1.19
8071042	AK124122	LOC1002888	AK124122 // LOC100288884 // hypothetical LOC100288884 // 21p11.2 // 100288884 //	0.588037	0.469556	0.0010152	0.00144	-1.57
7951554	NM_002906	RDX	NM_002906 // RDX // radixin // 11q23 // 5962 /// ENST00000343115 // RDX // radix	0.366748	0.980065	0.547835	0.001441	-1.20

7981538	NM_002226	JAG2	NM_002226 // JAG2 // jagged 2 // 14q32 // 3714 /// NM_145159 // JAG2 // jagged 2	0.788595	0.44429	0.126075	0.001442	1.17
8077663	NM_032492	JAGN1	NM_032492 // JAGN1 // jagunal homolog 1 (Drosophila) // 3p25.2 // 84522 /// ENST	0.042652	0.049815	0.582514	0.001446	-1.16
7943297	NM_014679	CEP57	NM_014679 // CEP57 // centrosomal protein 57kDa // 11q21 // 9702 /// ENST0000032	0.107122	0.738743	0.916056	0.00145	1.17
8140828	NM_003130	SRI	NM_003130 // SRI // sorcin // 7q21.1 // 6717 /// NM_198901 // SRI // sorcin // 7	0.449602	0.279987	0.84925	0.00145	1.20
8104788	NM_001145525	RAI14	NM_001145525 // RAI14 // retinoic acid induced 14 // 5p13.3-p13.2 // 26064 /// N	0.131742	0.064232	0.540576	0.001454	1.23
7970577	NM_005932	MIPEP	NM_005932 // MIPEP // mitochondrial intermediate peptidase // 13q12 // 4285 ///	0.559115	0.16159	0.752277	0.001455	1.22
8161211	NM_016734	PAX5	NM_016734 // PAX5 // paired box 5 // 9p13 // 5079 /// ENST00000358127 // PAX5 //	0.073005	0.504405	0.795852	0.001459	1.25
7973414	NM_015514	NGDN	NM_015514 // NGDN // neuroguidin, EIF4E binding protein // 14q11.2 // 25983 ///	0.65505	0.438963	0.810162	0.00146	-1.17
7942300	NM_173042	IL18BP	NM_173042 // IL18BP // interleukin 18 binding protein // 11q13 // 10068 /// NM_0	0.803191	0.223203	0.107343	0.001475	-1.17
8088425	NM_138805	FAM3D	NM_138805 // FAM3D // family with sequence similarity 3, member D // 3p14.2 // 1	0.171471	0.266724	0.878625	0.001476	1.33
7968004	NM_000231	SGCG	NM_000231 // SGCG // sarcoglycan, gamma (35kDa dystrophin-associated glycoprotei	0.057443	0.023748	0.332241	0.001478	-1.27

7911096	NR_026588	EFCAB2	NR_026588 // EFCAB2 // EF-hand calcium binding domain 2 // 1q44 // 84288 /// NM_	0.325119	0.16731	0.704112	0.001496	1.33
7960253	NM_016533	NINJ2	NM_016533 // NINJ2 // ninjurin 2 // 12p13 // 4815 /// ENST00000305108 // NINJ2 /	0.557266	0.090005	0.427842	0.001498	-1.17
7975045	NM_005956	MTHFD1	NM_005956 // MTHFD1 // methylenetetrahydrofolate dehydrogenase (NADP+ dependent)	0.924598	0.253512	0.459641	0.001501	-1.17
7967881	NM_017520	MPHOSPH8	NM_017520 // MPHOSPH8 // M-phase phosphoprotein 8 // 13q12.11 // 54737 /// ENST0	0.000939	0.562395	0.630342	0.001502	-1.16
8027297	NR_027130	ZNF738	NR_027130 // ZNF738 // zinc finger protein 738 // 19p12 // 148203 /// AK291002 /	0.012498	0.249146	0.831283	0.001502	1.16
7924526	NM_005426	TP53BP2	NM_005426 // TP53BP2 // tumor protein p53 binding protein, 2 // 1q42.1 // 7159 /	0.106453	0.320994	0.18604	0.001508	-1.16
8061645	---		---	0.233101	0.408076	0.590814	0.001511	1.40
7919589	NM_001123375	HIST2H3D	NM_001123375 // HIST2H3D // histone cluster 2, H3d // 1q21.2 // 653604 /// NM_00	0.003608	0.138336	0.787983	0.001512	1.18
8002571	NM_015020	PHLPP2	NM_015020 // PHLPP2 // PH domain and leucine rich repeat protein phosphatase 2 /	0.197763	0.564641	0.532755	0.001512	-1.16
7912610	NM_001024661	PRAMEF13	NM_001024661 // PRAMEF13 // PRAME family member 13 // 1p36.21 // 400736 /// NM_0	0.997102	0.343089	0.004475	0.001514	-1.15
8135363	NM_002649	PIK3CG	NM_002649 // PIK3CG // phosphoinositide-3-kinase, catalytic, gamma polypeptide /	0.785972	0.813673	0.494871	0.001516	1.22
7921690	NM_017625	ITLN1	NM_017625 // ITLN1 // intelectin 1 (galactofuranose binding) // 1q21.3 // 55600	0.115685	0.238507	0.312227	0.001517	-2.27

7977879	NM_001144932	PSMB5	NM_001144932 // PSMB5 // proteasome (prosome, macropain) subunit, beta type, 5 /	0.019945	0.245503	0.436359	0.001523	-1.19
7909568	NM_016448	DTL	NM_016448 // DTL // denticleless homolog (Drosophila) // 1q32 // 51514 /// ENST0	0.080061	0.812167	0.638618	0.001524	1.31
7988644	NM_024837	ATP8B4	NM_024837 // ATP8B4 // ATPase, class I, type 8B, member 4 // 15q21.2 // 79895 //	0.586155	0.779794	0.712461	0.001527	1.27
7981750	AK127783	LOC400968	AK127783 // LOC400968 // hypothetical LOC400968 // 15q11.2 // 400968	0.453756	0.920693	0.002881	0.001533	-1.26
8105949	NM_021967	SERF1A	NM_021967 // SERF1A // small EDRK-rich factor 1A (telomeric) // 5q13 // 8293 ///	0.368674	0.268651	0.789133	0.001533	-1.18
8105997	NM_021967	SERF1A	NM_021967 // SERF1A // small EDRK-rich factor 1A (telomeric) // 5q13 // 8293 ///	0.368674	0.268651	0.789133	0.001533	-1.18
8139896	NR_022007	PMS2P4	NR_022007 // PMS2P4 // postmeiotic segregation increased 2 pseudogene 4 // 7q11.	0.017797	0.239346	0.0314239	0.001537	1.21
8138277	NM_001135924	VWDE	NM_001135924 // VWDE // von Willebrand factor D and EGF domains // 7p21.3 // 221	0.543293	0.173254	0.84246	0.001543	1.16
7922301	NM_000261	MYOC	NM_000261 // MYOC // myocilin, trabecular meshwork inducible glucocorticoid resp	0.001	0.520391	0.354766	0.001544	-1.28
8123080	NM_001009991	SYTL3	NM_001009991 // SYTL3 // synaptotagmin-like 3 // 6q25.3 // 94120 /// ENST0000036	0.652572	0.553444	0.115169	0.001547	1.36
8113214	NM_002064	GLRX	NM_002064 // GLRX // glutaredoxin (thioltransferase) // 5q14 // 2745 /// NM_0011	0.405097	0.557133	0.115108	0.001553	-1.33

8053266	NM_001058	TACR1	NM_001058 // TACR1 // tachykinin receptor 1 // 2p12 // 6869 /// NM_015727 // TAC	0.450803	0.299203	0.0926709	0.001554	1.38
8050302	NM_004850	ROCK2	NM_004850 // ROCK2 // Rho-associated, coiled-coil containing protein kinase 2 //	0.144413	0.982267	0.914957	0.001555	-1.18
8079149	---		---	0.003363	0.708067	0.404687	0.001555	-1.26
8054439	NM_032528	ST6GAL2	NM_032528 // ST6GAL2 // ST6 beta-galactosamide alpha-2,6-sialyltranferase 2 // 2	0.824991	0.775193	0.160221	0.001558	1.17
8040270	NM_182500	C2orf50	NM_182500 // C2orf50 // chromosome 2 open reading frame 50 // 2p25.1 // 130813 /	0.471063	0.822122	0.985269	0.001563	1.18
8155442	NR_002817	AQP7P1	NR_002817 // AQP7P1 // aquaporin 7 pseudogene 1 // 9q13 // 375719 /// NM_001170	0.942473	0.047358	0.0752209	0.001563	-1.25
8113039	NM_002397	MEF2C	NM_002397 // MEF2C // myocyte enhancer factor 2C // 5q14 // 4208 /// NM_00119335	0.570607	0.747124	0.337946	0.001564	1.23
7898373	---		---	0.266176	0.812174	0.0033902	0.001567	-1.21
7896759	AK096570	LOC643837	AK096570 // LOC643837 // hypothetical LOC643837 // 1p36.33 // 643837	0.347346	0.415371	0.835776	0.001571	-1.17
8048024	---		---	0.987347	0.241409	0.760435	0.001574	-1.25
8155554	NR_002817	AQP7P1	NR_002817 // AQP7P1 // aquaporin 7 pseudogene 1 // 9q13 // 375719 /// NM_001170	0.99788	0.053608	0.0726149	0.001577	-1.24
7954055	NM_001130415	APOLD1	NM_001130415 // APOLD1 // apolipoprotein L domain containing 1 // 12p13.1 // 815	0.35295	0.056281	0.839712	0.001577	-1.35
7990815	NM_001100880	ST20	NM_001100880 // ST20 // suppressor of tumorigenicity 20 // 15q25.1 // 400410 ///	0.001807	0.556699	0.567051	0.001593	-1.26

8052908	NM_173535	CLEC4F	NM_173535 // CLEC4F // C-type lectin domain family 4, member F // 2p13.3 // 1655	0.214226	0.044489	0.0621264	0.001594	1.19
7957861	NM_178826	ANO4	NM_178826 // ANO4 // anoctamin 4 // 12q23.1 // 121601 /// ENST00000392979 // ANO	0.476913	0.131444	0.340323	0.001597	1.16
8105189	---		---	0.950717	0.638019	0.0017896	0.001599	-1.19
7947396	NM_001326	CSTF3	NM_001326 // CSTF3 // cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kDa	0.235591	0.000467	0.841502	0.0016	1.22
8159919	NM_001039395	C9orf68	NM_001039395 // C9orf68 // chromosome 9 open reading frame 68 // 9p24.2 // 55064	0.122234	0.195144	0.90092	0.0016	1.33
8133057	NM_001160183	ZNF138	NM_001160183 // ZNF138 // zinc finger protein 138 // 7q11.21 // 7697 /// NR_0276	0.126787	0.089261	0.156227	0.001601	1.20
8018364	NM_002086	GRB2	NM_002086 // GRB2 // growth factor receptor-bound protein 2 // 17q24-q25 // 2885	0.075842	0.566304	0.199215	0.001602	-1.15
8129037	---		---	0.09403	0.403194	0.130836	0.001606	1.40
8067279	NM_001336	CTSZ	NM_001336 // CTSZ // cathepsin Z // 20q13 // 1522 /// ENST00000217131 // CTSZ //	0.145932	0.816865	0.412302	0.00161	1.21
8099242	NM_153376	CCDC96	NM_153376 // CCDC96 // coiled-coil domain containing 96 // 4p16.1 // 257236 ///	0.117858	0.19243	0.990474	0.001612	1.23
7914748	---		---	0.781688	0.950552	0.146606	0.001615	-1.18
8025285	NM_174918	C19orf59	NM_174918 // C19orf59 // chromosome 19 open reading frame 59 // 19p13.2 // 19967	0.665293	0.424331	0.0584161	0.001619	-1.54
8048112	NM_001080500	VWC2L	NM_001080500 // VWC2L // von Willebrand factor C domain-containing protein 2-lik	0.561413	0.192622	0.852217	0.00162	1.28

7953135	NM_003324	TULP3	NM_003324 // TULP3 // tubby like protein 3 // 12p13.3 // 7289 /// NM_001160408 /	0.526081	0.317784	0.897275	0.00162	1.17
8157446	NM_000607	ORM1	NM_000607 // ORM1 // orosomucoid 1 // 9q31-q32 // 5004 /// ENST00000259396 // OR	0.00311	0.711377	0.461305	0.001624	-1.59
8152053	NM_198401	ANKRD46	NM_198401 // ANKRD46 // ankyrin repeat domain 46 // 8q22.2 // 157567 /// ENST000	0.006095	0.680197	0.0271677	0.001638	-1.17
8121405	AK094715	FLJ37396	AK094715 // FLJ37396 // hypothetical protein FLJ37396 // 6q21 // 285754	0.44682	0.637668	0.312856	0.001639	1.24
8101762	NM_000345	SNCA	NM_000345 // SNCA // synuclein, alpha (non A4 component of amyloid precursor) //	0.093087	0.161232	0.768379	0.001641	-1.19
8167577	NM_001098409	GAGE12G	NM_001098409 // GAGE12G // G antigen 12G // Xp11.23 // 645073 /// NM_001098408 /	0.474782	0.006026	0.0004345	0.001643	-1.27
8043491	NM_144705	TEKT4	NM_144705 // TEKT4 // tektin 4 // 2q11.1 // 150483 /// ENST00000295201 // TEKT4	0.627531	0.33437	0.688502	0.001646	1.19
8089467	NM_024508	ZBED2	NM_024508 // ZBED2 // zinc finger, BED-type containing 2 // 3q13.2 // 79413 ///	0.150545	0.094582	0.211341	0.001653	-1.35
7931914	NM_000417	IL2RA	NM_000417 // IL2RA // interleukin 2 receptor, alpha // 10p15-p14 // 3559 /// ENS	0.228639	0.318408	0.787045	0.00166	1.30
7951038	NR_002973	SNORA40	NR_002973 // SNORA40 // small nucleolar RNA, H/ACA box 40 // 11q21 // 677822 ///	0.280509	0.67727	0.334099	0.001661	1.30
8097056	NR_002963	SNORA24	NR_002963 // SNORA24 // small nucleolar RNA, H/ACA box 24 // 4q26 // 677809	0.028543	0.513788	0.650825	0.001665	1.29
8002342	---		---	0.374218	0.047366	0.367448	0.001666	1.25

7957404	NM_032230	C12orf26	NM_032230 // C12orf26 // chromosome 12 open reading frame 26 // 12q21.31 // 8419	0.054155	0.622553	0.358546	0.001672	1.15
7925250	NM_001098721	GNG4	NM_001098721 // GNG4 // guanine nucleotide binding protein (G protein), gamma 4	0.127542	0.743889	0.888993	0.001678	1.16
7913558	NM_033631	LUZP1	NM_033631 // LUZP1 // leucine zipper protein 1 // 1p36 // 7798 /// NM_001142546	0.764899	0.493083	0.784535	0.001682	-1.16
7911568	NM_014188	SSU72	NM_014188 // SSU72 // SSU72 RNA polymerase II CTD phosphatase homolog (S. cerevi	0.03206	0.559693	0.951601	0.001683	-1.16
8126303	NM_018643	TREM1	NM_018643 // TREM1 // triggering receptor expressed on myeloid cells 1 // 6p21.1	0.384135	0.095282	0.0250585	0.001687	-1.43
7957536	NM_019094	NUDT4	NM_019094 // NUDT4 // nudix (nucleoside diphosphate linked moiety X)-type motif	0.372417	0.199075	0.0883822	0.001697	1.23
8043236	NM_012483	GNLY	NM_012483 // GNLY // granulysin // 2p11.2 // 10578 /// NM_006433 // GNLY // gran	0.091017	0.067397	0.807076	0.001705	-1.31
8148124	NM_022045	MTBP	NM_022045 // MTBP // Mdm2, transformed 3T3 cell double minute 2, p53 binding pro	0.025544	0.028844	0.99928	0.001721	1.18
8116070	NM_005451	PDLIM7	NM_005451 // PDLIM7 // PDZ and LIM domain 7 (enigma) // 5q35.3 // 9260 /// NM_20	0.425139	0.225019	0.767458	0.001725	1.20
8080685	NM_007159	SLMAP	NM_007159 // SLMAP // sarcolemma associated protein // 3p21.2-p14.3 // 7871 ///	0.122945	0.094717	0.266455	0.001729	1.16
7978666	NM_016586	MBIP	NM_016586 // MBIP // MAP3K12 binding inhibitory protein 1 // 14q13.3 // 51562 //	0.396538	0.536082	0.131522	0.001736	-1.22

7936871	NM_000274	OAT	NM_000274 // OAT // ornithine aminotransferase // 10q26 // 4942 /// NM_001171814	0.817441	0.543072	0.9629	0.001737	1.20
7924551	---		---	0.966122	0.422983	0.0250123	0.001738	-1.24
7925523	---		---	0.966122	0.422983	0.0250123	0.001738	-1.24
8132690	---		---	0.966122	0.422983	0.0250123	0.001738	-1.24
7901948	NR_002771	DLEU2L	NR_002771 // DLEU2L // deleted in lymphocytic leukemia 2-like // 1p31-p22 // 794	0.183619	0.416388	0.635607	0.001748	1.17
8149243	NM_201402	USP17L2	NM_201402 // USP17L2 // ubiquitin specific peptidase 17-like 2 // 8p23.1 // 3776	0.990711	0.677819	0.005029	0.001749	-1.48
7915598	NM_153274	BEST4	NM_153274 // BEST4 // bestrophin 4 // 1p33-p32.3 // 266675 /// ENST00000372207 /	0.768916	0.77135	0.689352	0.001764	1.18
8046279	---		---	0.773608	0.694868	0.969309	0.001766	-1.18
7942255	NM_001012503	KRTAP5-7	NM_001012503 // KRTAP5-7 // keratin associated protein 5-7 // 11q13.4 // 440050	0.705225	0.557558	0.0628245	0.001775	-1.20
8016390	NM_016429	COPZ2	NM_016429 // COPZ2 // coatomer protein complex, subunit zeta 2 // 17q21.32 // 51	0.579969	0.940132	0.876398	0.001777	1.20
7909789	NM_001135599	TGFB2	NM_001135599 // TGFB2 // transforming growth factor, beta 2 // 1q41 // 7042 ///	0.140409	0.153799	0.0078796	0.001783	1.30
8172787	NM_003147	SSX2	NM_003147 // SSX2 // synovial sarcoma, X breakpoint 2 // Xp11.22 // 6757 /// NM_	0.250439	0.007536	0.0073493	0.001783	-1.15
8040742	NM_012326	MAPRE3	NM_012326 // MAPRE3 // microtubule-associated protein, RP/EB family, member 3 //	0.570706	0.443789	0.730784	0.001784	1.23
8075310	NM_002309	LIF	NM_002309 // LIF // leukemia inhibitory factor (cholinergic differentiation fact	0.006689	0.502947	0.34671	0.001789	1.34

8172158	NM_003688	CASK	NM_003688 // CASK // calcium/calmodulin-dependent serine protein kinase (MAGUK f	0.271189	0.596675	0.105885	0.00179	1.15
7971922	NM_203487	PCDH9	NM_203487 // PCDH9 // protocadherin 9 // 13q21.32 // 5101 /// NM_020403 // PCDH9	0.139452	0.837084	0.119129	0.00179	-1.23
7959080	NM_022491	SUDS3	NM_022491 // SUDS3 // suppressor of defective silencing 3 homolog (S. cerevisiae	0.34487	0.519325	0.415737	0.001803	1.19
7962893	---		---	0.196824	0.363678	0.151666	0.001821	1.20
8148572	NM_002346	LY6E	NM_002346 // LY6E // lymphocyte antigen 6 complex, locus E // 8q24.3 // 4061 ///	0.095333	0.062258	0.425492	0.001826	1.19
8134869	NM_002593	PCOLCE	NM_002593 // PCOLCE // procollagen C-endopeptidase enhancer // 7q22 // 5118 ///	0.10196	0.242357	0.157047	0.001829	1.24
8085660	NM_206831	DPH3	NM_206831 // DPH3 // DPH3, KTI11 homolog (S. cerevisiae) // 3p25.1 // 285381 ///	0.137677	0.523895	0.625477	0.001829	-1.16
8015230	NM_031854	KRTAP4-12	NM_031854 // KRTAP4-12 // keratin associated protein 4-12 // 17q12-q21 // 83755	0.791987	0.681394	0.0282967	0.00183	-1.24
7953321	NM_002342	LTBR	NM_002342 // LTBR // lymphotoxin beta receptor (TNFR superfamily, member 3) // 1	0.009921	0.439346	0.342083	0.001831	-1.15
7907271	NM_001460	FMO2	NM_001460 // FMO2 // flavin containing monooxygenase 2 (non-functional) // 1q24.	8.74E-06	0.539344	0.428084	0.001842	-1.38
8106107	NM_024754	PTCD2	NM_024754 // PTCD2 // pentatricopeptide repeat domain 2 // 5q13.2 // 79810 /// E	0.169346	0.013822	0.798367	0.001842	1.17
8073088	NM_021822	APOBEC3G	NM_021822 // APOBEC3G // apolipoprotein B mRNA editing enzyme, catalytic polypep	0.566993	0.245803	0.795336	0.001848	1.21

8075569	NM_014227	SLC5A4	NM_014227 // SLC5A4 // solute carrier family 5 (low affinity glucose cotransport	0.048869	0.381202	0.0192907	0.00185	-1.34
8013061	NM_012452	TNFRSF13B	NM_012452 // TNFRSF13B // tumor necrosis factor receptor superfamily, member 13B	0.286815	0.415091	0.130719	0.001851	1.17
7939465	NM_016142	HSD17B12	NM_016142 // HSD17B12 // hydroxysteroid (17-beta) dehydrogenase 12 // 11p11.2 //	0.918352	0.286605	0.464923	0.001852	-1.17
7924819	BC019830	PRO2012	BC019830 // PRO2012 // hypothetical protein PRO2012 // 1q42.13 // 55478	0.430325	0.941371	0.0178118	0.001861	-1.22
7948364	NM_001039396	MPEG1	NM_001039396 // MPEG1 // macrophage expressed 1 // 11q12.1 // 219972 /// ENST000	0.685839	0.08244	0.547063	0.001864	-1.39
8042402	NM_173545	APLF	NM_173545 // APLF // aprataxin and PNKP like factor // 2p13.3 // 200558 /// ENST	0.034588	0.634737	0.410322	0.001867	1.17
7909681	NM_002763	PROX1	NM_002763 // PROX1 // prospero homeobox 1 // 1q41 // 5629 /// ENST00000435016 //	0.723574	0.091665	0.533455	0.00188	1.22
7936419	NM_018017	C10orf118	NM_018017 // C10orf118 // chromosome 10 open reading frame 118 // 10q25.3 // 550	0.020467	0.240467	0.109807	0.00188	1.21
8074878	---		---	0.175274	0.553345	0.8342	0.00189	1.17
7910398	NM_004578	RAB4A	NM_004578 // RAB4A // RAB4A, member RAS oncogene family // 1q42-q43 // 5867 ///	0.077302	0.277278	0.246813	0.001898	1.16
8141872	NM_001122838	NAPEPLD	NM_001122838 // NAPEPLD // N-acyl phosphatidylethanolamine phospholipase D // 7q	0.000242	0.109691	0.975975	0.0019	1.27
8179228	NM_007109	TCF19	NM_007109 // TCF19 // transcription factor 19 // 6p21.3 // 6941 /// NM_001077511	0.239502	0.064957	0.178339	0.00191	1.17

8085972	NM_207359	GADL1	NM_207359 // GADL1 // glutamate decarboxylase-like 1 // 3p24.1-p23 // 339896 ///	0.399253	0.315791	0.54814	0.001916	1.22
8037298	NM_020406	CD177	NM_020406 // CD177 // CD177 molecule // 19q13.2 // 57126 /// ENST00000457794 //	0.011462	0.552447	0.814868	0.001918	-1.40
7906777	NM_004001	FCGR2B	NM_004001 // FCGR2B // Fc fragment of IgG, low affinity IIb, receptor (CD32) //	0.726817	0.705441	0.809808	0.001925	1.30
7962590	NM_024604	RPAP3	NM_024604 // RPAP3 // RNA polymerase II associated protein 3 // 12q13.11 // 7965	0.209925	0.079869	0.645783	0.001932	1.20
7906107	NM_022367	SEMA4A	NM_022367 // SEMA4A // sema domain, immunoglobulin domain (Ig), transmembrane do	0.005482	0.284879	0.246273	0.001933	-1.16
8167482	NM_001477	GAGE12I	NM_001477 // GAGE12I // G antigen 12I // Xp11.23 // 26748 /// NM_001474 // GAGE4	0.336913	0.001673	0.00052	0.001939	-1.32
7957072	NM_175623	RAB3IP	NM_175623 // RAB3IP // RAB3A interacting protein (rabin3) // 12q14.3 // 117177 /	0.172404	0.434133	0.751522	0.001945	-1.18
8172905	NM_004493	HSD17B10	NM_004493 // HSD17B10 // hydroxysteroid (17-beta) dehydrogenase 10 // Xp11.2 //	0.000229	0.36099	0.236657	0.001948	-1.16
8046906	NM_016315	GULP1	NM_016315 // GULP1 // GULP, engulfment adaptor PTB domain containing 1 // 2q32.3	0.186166	0.205076	0.588542	0.001952	1.20
8084219	NM_017644	KLHL24	NM_017644 // KLHL24 // kelch-like 24 (Drosophila) // 3q27.1 // 54800 /// ENST000	0.009254	0.255706	0.368315	0.001952	-1.24
8174610	NM_020871	LRCH2	NM_020871 // LRCH2 // leucine-rich repeats and calponin homology (CH) domain con	0.003688	0.748337	0.227675	0.001953	-1.31

8102655	NM_176824	BBS7	NM_176824 // BBS7 // Bardet-Biedl syndrome 7 // 4q27 // 55212 /// NM_018190 // B	0.122747	0.303701	0.806253	0.001954	1.16
7969493	NM_144777	SCEL	NM_144777 // SCEL // sciellin // 13q22 // 8796 /// NM_003843 // SCEL // sciellin	0.677251	0.022868	0.483578	0.001956	-1.64
8076757	NM_014246	CELSR1	NM_014246 // CELSR1 // cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo	0.461701	0.746001	0.890567	0.001956	1.32
7914923	NM_145047	OSCP1	NM_145047 // OSCP1 // organic solute carrier partner 1 // 1p34.3 // 127700 /// N	0.643169	0.160703	0.852124	0.001959	1.35
7900510	NM_001905	CTPS	NM_001905 // CTPS // CTP synthase // 1p34.1 // 1503 /// ENST00000372621 // CTPS	0.007916	0.412588	0.680401	0.001962	-1.24
8088848	NM_015009	PDZRN3	NM_015009 // PDZRN3 // PDZ domain containing ring finger 3 // 3p13 // 23024 ///	0.212167	0.767498	0.838189	0.001965	1.21
8113717	---		---	0.746611	0.248873	0.573054	0.001974	-1.28
8132539	NM_014063	DBNL	NM_014063 // DBNL // drebrin-like // 7p13 // 28988 /// NM_001014436 // DBNL // d	0.133622	0.498483	0.727274	0.001975	-1.14
8140955	NM_001259	CDK6	NM_001259 // CDK6 // cyclin-dependent kinase 6 // 7q21-q22 // 1021 /// NM_001145	0.156536	0.440645	0.492129	0.001982	1.17
8120613	NM_014989	RIMS1	NM_014989 // RIMS1 // regulating synaptic membrane exocytosis 1 // 6q12-q13 // 2	0.506905	0.249227	0.32973	0.001987	1.28
8108744	NM_018934	PCDHB14	NM_018934 // PCDHB14 // protocadherin beta 14 // 5q31 // 56122 /// ENST000002394	0.008967	0.167378	0.385886	0.001999	1.31
8080926	NM_006407	ARL6IP5	NM_006407 // ARL6IP5 // ADP-ribosylation-like factor 6 interacting protein 5 //	0.957253	0.515963	0.315215	0.002	1.20

7954503	NM_004264	MED21	NM_004264 // MED21 // mediator complex subunit 21 // 12p11.23 // 9412 /// ENST00	0.716479	0.909621	0.356205	0.002	-1.18
7995907	NM_000078	CETP	NM_000078 // CETP // cholesteryl ester transfer protein, plasma // 16q21 // 1071	0.997549	0.442455	0.0884813	0.002001	-1.17
7940409	NM_014207	CD5	NM_014207 // CD5 // CD5 molecule // 11q13 // 921 /// ENST00000347785 // CD5 // C	0.980337	0.193973	0.596293	0.002001	1.28
7973871	---		---	0.124251	0.507979	0.0534726	0.002003	-1.61
8165696	---		---	0.124251	0.507979	0.0534726	0.002003	-1.61
7911337	---		---	0.124251	0.507979	0.0534726	0.002003	-1.61
8071063	NR_001591	psiTPTE22	NR_001591 // psiTPTE22 // TPTE pseudogene // 22q11.1 // 387590 /// BC107743 // p	0.552948	0.181444	0.647854	0.002009	1.20
8057929	---		---	0.79054	0.134216	0.841182	0.002018	-1.44
8000244	NM_020718	USP31	NM_020718 // USP31 // ubiquitin specific peptidase 31 // 16p12.2 // 57478 /// EN	0.68854	0.751914	0.145006	0.002026	-1.15
8074695	NR_003608	MGC16703	NR_003608 // MGC16703 // tubulin, alpha pseudogene // 22q11.21 // 113691	0.36411	0.158339	0.154097	0.00203	1.20
8135031	NM_001164462	MUC12	NM_001164462 // MUC12 // mucin 12, cell surface associated // 7q22 // 10071 ///	0.060251	0.73126	0.0007332	0.002033	-1.22
8083136	NM_001679	ATP1B3	NM_001679 // ATP1B3 // ATPase, Na+/K+ transporting, beta 3 polypeptide // 3q23 /	0.02407	0.292984	0.829298	0.002037	-1.29
7940216	NM_006138	MS4A3	NM_006138 // MS4A3 // membrane-spanning 4-domains, subfamily A, member 3 (hemato	0.444328	0.275671	0.533108	0.002037	-1.17
7909225	NM_001004023	DYRK3	NM_001004023 // DYRK3 // dual-specificity tyrosine-(Y)-phosphorylation regulated	0.005788	0.288641	0.406166	0.002053	1.17

8092552	NM_006548	IGF2BP2	NM_006548 // IGF2BP2 // insulin-like growth factor 2 mRNA binding protein 2 // 3	0.637326	0.826099	0.517119	0.002053	-1.19
8120826	NM_001010844	IRAK1BP1	NM_001010844 // IRAK1BP1 // interleukin-1 receptor-associated kinase 1 binding p	0.125238	0.148249	0.640859	0.002058	1.20
8072454	NR_024210	RNF185	NR_024210 // RNF185 // ring finger protein 185 // 22q12.2 // 91445 /// NM_152267	0.895526	0.526915	0.265244	0.002069	-1.23
7942503	NM_016147	PPME1	NM_016147 // PPME1 // protein phosphatase methylesterase 1 // 11q13.4 // 51400 /	0.228245	0.028145	0.728146	0.00208	1.16
8149521	NM_201553	FGL1	NM_201553 // FGL1 // fibrinogen-like 1 // 8p22 // 2267 /// NM_201552 // FGL1 //	9.44E-05	0.480421	0.264075	0.00208	-1.16
7936734	NM_000141	FGFR2	NM_000141 // FGFR2 // fibroblast growth factor receptor 2 // 10q26 // 2263 /// N	0.308591	0.803068	0.271784	0.002081	1.30
8156132	---		---	0.879725	0.635322	0.53718	0.002082	1.17
8054154	NM_207362	C2orf55	NM_207362 // C2orf55 // chromosome 2 open reading frame 55 // 2q11.2 // 343990 /	0.676899	0.535428	0.986922	0.002082	1.23
8124240	NM_014809	KIAA0319	NM_014809 // KIAA0319 // KIAA0319 // 6p22.3-p22.2 // 9856 /// NM_001168374 // KI	0.200921	0.416296	0.814736	0.002083	1.26
7971998	---		---	0.10717	0.11373	0.328573	0.002086	-1.16
7961891	NM_030762	BHLHE41	NM_030762 // BHLHE41 // basic helix-loop-helix family, member e41 // 12p12.1 //	0.058488	0.939934	0.0416432	0.00209	1.28
8088535	NM_014814	PSMD6	NM_014814 // PSMD6 // proteasome (prosome, macropain) 26S subunit, non-ATPase, 6	0.621151	0.589269	0.550778	0.002092	-1.16
7943513	---		---	0.754611	0.718088	0.645156	0.002094	1.15

7938563	NM_001178	ARNTL	NM_001178 // ARNTL // aryl hydrocarbon receptor nuclear translocator-like // 11p	0.057528	0.873515	0.879118	0.002097	-1.42
8103389	NM_001334	CTSO	NM_001334 // CTSO // cathepsin O // 4q32.1 // 1519 /// ENST00000281527 // CTSO /	0.016553	0.855693	0.0361159	0.002108	1.16
8153269	NM_005293	GPR20	NM_005293 // GPR20 // G protein-coupled receptor 20 // 8q24.3 // 2843 /// ENST00	0.022896	0.809669	0.362373	0.002121	-1.16
8051820	NM_022065	THADA	NM_022065 // THADA // thyroid adenoma associated // 2p21 // 63892 /// NM_0010839	0.034224	0.421194	0.706965	0.002122	1.17
7980744	NM_004755	RPS6KA5	NM_004755 // RPS6KA5 // ribosomal protein S6 kinase, 90kDa, polypeptide 5 // 14q	5.48E-05	0.865153	0.415406	0.002131	1.20
7983630	NM_002009	FGF7	NM_002009 // FGF7 // fibroblast growth factor 7 // 15q21.2 // 2252 /// M60828 //	0.099338	0.506902	0.938971	0.002133	1.47
7906377	NM_002432	MNDA	NM_002432 // MNDA // myeloid cell nuclear differentiation antigen // 1q22 // 433	0.413719	0.470464	0.20061	0.002134	-1.36
8156549	NM_001193329	C9orf3	NM_001193329 // C9orf3 // chromosome 9 open reading frame 3 // 9q22.32 // 84909	0.032364	0.047812	0.195658	0.002138	1.16
7904303	NM_004258	CD101	NM_004258 // CD101 // CD101 molecule // 1p13 // 9398 /// ENST00000369470 // CD10	0.079625	0.078963	0.158435	0.002149	-1.42
8023757	NM_006566	CD226	NM_006566 // CD226 // CD226 molecule // 18q22.3 // 10666 /// ENST00000280200 //	0.016776	0.989295	0.493156	0.00215	-1.36
7965979	NM_001034173	ALDH1L2	NM_001034173 // ALDH1L2 // aldehyde dehydrogenase 1 family, member L2 // 12q23.3	0.707526	0.029374	0.972636	0.002152	1.35

7948794	NM_203422	LRRN4CL	NM_203422 // LRRN4CL // LRRN4 C-terminal like // 11q12.3 // 221091 /// ENST00000	0.771215	0.803192	0.86833	0.002154	1.21
8023688	NM_002974	SERPINB4	NM_002974 // SERPINB4 // serpin peptidase inhibitor, clade B (ovalbumin), member	0.129413	0.05732	0.845087	0.002155	1.22
8075695	NR_027833	APOL3	NR_027833 // APOL3 // apolipoprotein L, 3 // 22q13.1 // 80833 /// NR_027834 // A	0.18403	0.405113	0.358527	0.002157	-1.22
8045499	NM_006895	HNMT	NM_006895 // HNMT // histamine N-methyltransferase // 2q22.1 // 3176 /// NM_0010	0.024175	0.997456	0.866894	0.002159	1.18
7947496	NM_001195728	SLC1A2	NM_001195728 // SLC1A2 // solute carrier family 1 (glial high affinity glutamate	0.277872	0.280055	0.168183	0.00216	1.14
7962151	NM_144973	DENND5B	NM_144973 // DENND5B // DENN/MADD domain containing 5B // 12p11.21 // 160518 ///	0.646016	0.753766	0.982056	0.002163	1.21
8074780	NM_013313	YPEL1	NM_013313 // YPEL1 // yippee-like 1 (Drosophila) // 22q11.2 // 29799 /// NM_1481	0.005246	0.405531	0.346616	0.002166	-1.19
8108420	NR_002915	SNORA74A	NR_002915 // SNORA74A // small nucleolar RNA, H/ACA box 74A // 5q31.2 // 26821	0.004406	0.444158	0.173694	0.002169	1.22
8073633	NM_025225	PNPLA3	NM_025225 // PNPLA3 // patatin-like phospholipase domain containing 3 // 22q13.3	0.267415	0.115363	0.0091835	0.002169	-1.17
7952200	NM_001145018	CCDC153	NM_001145018 // CCDC153 // coiled-coil domain containing 153 // 11q23.3 // 28315	0.195181	0.083524	0.465856	0.00218	1.25
8122554	NM_006834	RAB32	NM_006834 // RAB32 // RAB32, member RAS oncogene family // 6q24.3 // 10981 /// E	0.471664	0.226023	0.314304	0.002184	-1.20

8122334	NM_178445	CCRL1	NM_178445 // CCRL1 // chemokine (C-C motif) receptor-like 1 // 3q22 // 51554 ///	0.11885	0.267383	0.346759	0.002185	-1.41
8009417	NM_002266	KPNA2	NM_002266 // KPNA2 // karyopherin alpha 2 (RAG cohort 1, importin alpha 1) // 17	0.011486	0.307729	0.281508	0.002191	1.23
8092392	NM_130446	KLHL6	NM_130446 // KLHL6 // kelch-like 6 (Drosophila) // --- // 89857 /// ENST00000341	0.878853	0.343642	0.268923	0.002193	1.25
8129082	NM_000493	COL10A1	NM_000493 // COL10A1 // collagen, type X, alpha 1 // 6q21-q22 // 1300 /// ENST00	0.529129	0.344013	0.0246411	0.002194	1.18
8084732	NM_022147	RTP4	NM_022147 // RTP4 // receptor (chemosensory) transporter protein 4 // 3q27.3 //	0.611183	0.970165	0.776087	0.002195	1.21
8157828	NM_030978	ARPC5L	NM_030978 // ARPC5L // actin related protein 2/3 complex, subunit 5-like // 9q33	0.024605	0.854234	0.607877	0.002198	-1.17
8165255	---		---	0.587368	0.904035	0.322485	0.002209	-1.15
8075483	NM_052880	PIK3IP1	NM_052880 // PIK3IP1 // phosphoinositide-3-kinase interacting protein 1 // 22q12	0.002997	0.049138	0.576653	0.002221	-1.24
8170859	NR_026898	RPL10	NR_026898 // RPL10 // ribosomal protein L10 // Xq28 // 6134 /// NM_006013 // RPL	0.228858	0.032436	0.675821	0.002228	-1.20
8162283	NM_004560	ROR2	NM_004560 // ROR2 // receptor tyrosine kinase-like orphan receptor 2 // 9q22 //	0.024752	0.843701	0.976759	0.002235	1.20
7995096	NM_001145808	ITGAM	NM_001145808 // ITGAM // integrin, alpha M (complement component 3 receptor 3 su	0.180861	0.729293	0.384702	0.002244	-1.28
8099471	NM_031950	FGFBP2	NM_031950 // FGFBP2 // fibroblast growth factor binding protein 2 // 4p16 // 838	0.052544	0.925043	0.532149	0.002253	-1.21

7947248	NM_031217	KIF18A	NM_031217 // KIF18A // kinesin family member 18A // 11p14.1 // 81930 /// ENST000	0.262046	0.775183	0.346554	0.002256	1.20
8004571	NM_001406	EFNB3	NM_001406 // EFNB3 // ephrin-B3 // 17p13.1 // 1949 /// ENST00000226091 // EFNB3	0.615417	0.729163	0.540634	0.002267	1.15
8167584	NM_001098409	GAGE12G	NM_001098409 // GAGE12G // G antigen 12G // Xp11.23 // 645073 /// NM_001098408 /	0.58422	0.009753	0.000576	0.002285	-1.26
8118979	---		---	0.45438	0.857435	0.317143	0.002287	-1.40
7970793	NM_181785	SLC46A3	NM_181785 // SLC46A3 // solute carrier family 46, member 3 // 13q12.3 // 283537	0.070553	0.593615	0.0179394	0.002293	1.17
7953878	NM_001004419	CLEC2D	NM_001004419 // CLEC2D // C-type lectin domain family 2, member D // 12p13 // 29	0.003369	0.633983	0.903505	0.002298	1.31
8103722	NR_036751	HSP90AA6P	NR_036751 // HSP90AA6P // heat shock protein 90kDa alpha (cytosolic), class A me	0.598622	0.559506	0.144053	0.002306	1.33
8163825	NM_005658	TRAF1	NM_005658 // TRAF1 // TNF receptor-associated factor 1 // 9q33-q34 // 7185 /// N	0.731258	0.476405	0.204412	0.002307	1.22
8070467	NM_001135099	TMPRSS2	NM_001135099 // TMPRSS2 // transmembrane protease, serine 2 // 21q22.3 // 7113 /	0.410533	0.165122	0.189641	0.002309	-1.34
8001197	NM_018092	NETO2	NM_018092 // NETO2 // neuropilin (NRP) and tolloid (TLL)-like 2 // 16q11 // 8183	0.09057	0.823036	0.579244	0.002312	-1.29
8169247	ENST00000372379	NCBP2L	ENST00000372379 // NCBP2L // nuclear cap binding protein subunit 2-like // Xq22.	0.975852	0.370909	0.819481	0.002317	1.28
8139767	---		---	0.689144	0.009821	0.144537	0.002319	-1.23
7952984	---		---	0.084554	0.137865	0.152749	0.00232	1.39

7942889	NM_032273	TMEM126A	NM_032273 // TMEM126A // transmembrane protein 126A // 11q14.1 // 84233 /// ENST	0.046372	0.443968	0.8218	0.002329	-1.19
8060949	NM_022096	ANKRD5	NM_022096 // ANKRD5 // ankyrin repeat domain 5 // 20pter-q11.23 // 63926 /// NM_	0.132449	0.036048	0.921862	0.002338	1.23
8161558	NR_002817	AQP7P1	NR_002817 // AQP7P1 // aquaporin 7 pseudogene 1 // 9q13 // 375719 /// NM_001170	0.508226	0.082837	0.0236825	0.002342	-1.28
8084794	NM_002182	IL1RAP	NM_002182 // IL1RAP // interleukin 1 receptor accessory protein // 3q28 // 3556	0.043017	0.402685	0.17892	0.002344	-1.25
8140730	NM_024315	C7orf23	NM_024315 // C7orf23 // chromosome 7 open reading frame 23 // 7q21.1-q21.2 // 79	0.87742	0.257654	0.472322	0.002346	-1.19
8131600	NM_014399	TSPAN13	NM_014399 // TSPAN13 // tetraspanin 13 // 7p21.1 // 27075 /// ENST00000262067 //	0.958526	0.259019	0.306759	0.002367	-1.24
7919151	---		---	0.49532	0.002386	0.98627	0.002368	1.27
7919392	---		---	0.49532	0.002386	0.98627	0.002368	1.27
8064375	NM_080725	SRXN1	NM_080725 // SRXN1 // sulfiredoxin 1 // 20p13 // 140809 /// ENST00000381962 // S	0.002321	0.619977	0.19305	0.002372	-1.17
7984662	NM_018652	GOLGA6B	NM_018652 // GOLGA6B // golgin A6 family, member B // 15q24.1 // 55889 /// NM_00	0.637322	0.821091	0.0115367	0.002372	-1.15
8091600	NM_001130960	PLCH1	NM_001130960 // PLCH1 // phospholipase C, eta 1 // 3q25.31 // 23007 /// NM_00113	0.763395	0.176127	0.960823	0.002381	1.33
7957540	NM_014050	MRPL42	NM_014050 // MRPL42 // mitochondrial ribosomal protein L42 // 12q22 // 28977 ///	0.620812	0.012612	0.694468	0.002384	1.18

7927280	NM_005972	PPYR1	NM_005972 // PPYR1 // pancreatic polypeptide receptor 1 // 10q11.2 // 5540 /// E	0.449582	0.978735	0.272703	0.002393	1.32
8151334	NM_005098	MSC	NM_005098 // MSC // musculin // 8q21 // 9242 /// ENST00000325509 // MSC // muscu	0.026848	0.85968	0.445573	0.002397	1.25
8147101	NM_001951	E2F5	NM_001951 // E2F5 // E2F transcription factor 5, p130-binding // 8q21.2 // 1875	0.076191	0.406094	0.655105	0.002397	1.26
8112333	NM_000524	HTR1A	NM_000524 // HTR1A // 5-hydroxytryptamine (serotonin) receptor 1A // 5q11.2-q13	0.450418	0.772142	0.436027	0.002402	-1.16
7956826	NM_015279	TBC1D30	NM_015279 // TBC1D30 // TBC1 domain family, member 30 // 12q14.3 // 23329 /// AB	0.111132	0.153842	0.212132	0.002407	-1.18
8002041	NM_004691	ATP6V0D1	NM_004691 // ATP6V0D1 // ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d1	0.054658	0.312215	0.165473	0.002408	-1.19
7956894	NM_033647	HELB	NM_033647 // HELB // helicase (DNA) B // 12q14.3 // 92797 /// ENST00000247815 //	0.574839	0.221803	0.486693	0.002409	1.21
8002778	NM_152649	MLKL	NM_152649 // MLKL // mixed lineage kinase domain-like // 16q23.1 // 197259 /// N	0.570034	0.182995	0.536321	0.002415	-1.21
7942569	NM_001145211	SLCO2B1	NM_001145211 // SLCO2B1 // solute carrier organic anion transporter family, memb	0.171618	0.860554	0.746702	0.002415	-1.29
8066247	NR_027241	LOC388796	NR_027241 // LOC388796 // hypothetical LOC388796 // 20q11.23 // 388796 /// NR_01	0.004757	0.281947	0.670028	0.002416	-1.19
8055234	---		---	0.722068	0.904445	0.011842	0.00242	-1.17
8045319	---		---	0.722068	0.904445	0.011842	0.00242	-1.17
7987385	NM_172316	MEIS2	NM_172316 // MEIS2 // Meis homeobox 2 // 15q14 // 4212 /// NM_170677 // MEIS2 //	0.00675	0.899782	0.884384	0.002423	-1.18

8052882	NM_017488	ADD2	NM_017488 // ADD2 // adducin 2 (beta) // 2p13.3 // 119 /// NM_001185054 // ADD2	0.582582	0.01378	0.395651	0.002424	1.18
8004184	NM_017523	XAF1	NM_017523 // XAF1 // XIAP associated factor 1 // 17p13.1 // 54739 /// NM_199139	0.364523	0.852288	0.323673	0.002431	1.27
7975889	NM_014909	VASH1	NM_014909 // VASH1 // vasohibin 1 // 14q24.3 // 22846 /// ENST00000167106 // VAS	0.706678	0.876993	0.344523	0.002433	1.19
8097062	---		---	0.2143	0.01019	0.0320872	0.002442	-1.14
8031837	AF294842	ZNF587	AF294842 // ZNF587 // zinc finger protein 587 // 19q13.43 // 84914 /// AK027616	0.137886	0.145768	0.301614	0.002447	1.29
7908351	NM_024420	PLA2G4A	NM_024420 // PLA2G4A // phospholipase A2, group IVA (cytosolic, calcium-dependen	0.698295	0.328795	0.740593	0.002461	1.23
8098924	NM_012318	LETM1	NM_012318 // LETM1 // leucine zipper-EF-hand containing transmembrane protein 1	0.001431	0.402893	0.388964	0.002462	-1.13
7910907	---		---	0.876509	0.994732	0.001284	0.002465	-1.15
7968976	NM_001164211	LRCH1	NM_001164211 // LRCH1 // leucine-rich repeats and calponin homology (CH) domain	0.037911	0.322834	0.797439	0.002466	-1.16
7919146	NR_003366	ANKRD20B	NR_003366 // ANKRD20B // ankyrin repeat domain 20B // 2q11.1 // 729171 /// AK090	2.86E-05	0.903843	0.549552	0.002479	-1.42
7994756	NM_002720	PPP4C	NM_002720 // PPP4C // protein phosphatase 4, catalytic subunit // 16p11.2 // 553	0.000996	0.171636	0.884491	0.002489	-1.13
7907183	ENST00000367772	SCYL3	ENST00000367772 // SCYL3 // SCY1-like 3 (S. cerevisiae) // 1q24.2 // 57147 /// B	0.010481	0.551191	0.814677	0.002494	1.15
8018177	NM_006678	CD300C	NM_006678 // CD300C // CD300c molecule // 17q25.1 // 10871 /// ENST00000330793 /	0.220748	0.485005	0.125055	0.002511	-1.19

8044818	NM_001029996	PCDP1	NM_001029996 // PCDP1 // primary ciliary dyskinesia protein 1 // 2q14.2 // 20037	0.906535	0.174491	0.948742	0.002516	1.46
8101788	NM_003728	UNC5C	NM_003728 // UNC5C // unc-5 homolog C (C. elegans) // 4q21-q23 // 8633 /// ENST0	0.445763	0.252685	0.464487	0.002517	1.20
8137584	NM_138400	NOM1	NM_138400 // NOM1 // nucleolar protein with MIF4G domain 1 // 7q36.3 // 64434 //	0.634738	0.192593	0.800845	0.002521	-1.15
8089820	NM_153002	GPR156	NM_153002 // GPR156 // G protein-coupled receptor 156 // 3q13.33 // 165829 /// N	0.712095	0.814274	0.514618	0.002522	1.16
7911529	NM_032348	MXRA8	NM_032348 // MXRA8 // matrix-remodelling associated 8 // 1p36.33 // 54587 /// EN	0.859009	0.043744	0.252585	0.002528	1.19
8117415	NM_003532	HIST1H3E	NM_003532 // HIST1H3E // histone cluster 1, H3e // 6p21.3 // 8353 /// CR542014 /	0.116345	0.716932	0.182747	0.00253	1.17
8077786	NM_001570	IRAK2	NM_001570 // IRAK2 // interleukin-1 receptor-associated kinase 2 // 3p25.3 // 36	0.028476	0.920643	0.698349	0.002533	-1.23
8083318	NR_036538	LOC646903	NR_036538 // LOC646903 // hypothetical LOC646903 // 3q25.1 // 646903	0.832159	0.154268	0.240508	0.002537	1.22
8135929	---		---	0.959317	0.349299	0.0132377	0.00255	-1.23
8116130	NM_001079529	FAM153B	NM_001079529 // FAM153B // family with sequence similarity 153, member B // 5q35	0.079282	0.166591	0.816182	0.002551	-1.23
8059532	NM_020161	C2orf83	NM_020161 // C2orf83 // chromosome 2 open reading frame 83 // 2q36.3 // 56918 //	0.993732	0.211377	0.0003395	0.002553	-1.15
7904106	NM_152900	MAGI3	NM_152900 // MAGI3 // membrane associated guanylate kinase, WW and PDZ domain co	0.10262	0.053905	0.520499	0.002555	-1.22

8080938	NM_198159	MITF	NM_198159 // MITF // microphthalmia-associated transcription factor // 3p14.2-p1	0.00526	0.876531	0.137919	0.002559	1.14
8136516	NM_173569	UBN2	NM_173569 // UBN2 // ubinuclein 2 // 7q34 // 254048 /// ENST00000473989 // UBN2	0.011368	0.079549	0.641485	0.002561	1.18
8015349	NM_002276	KRT19	NM_002276 // KRT19 // keratin 19 // 17q21.2 // 3880 /// ENST00000361566 // KRT19	0.022061	0.301831	0.393115	0.002562	1.35
7916282	NM_004631	LRP8	NM_004631 // LRP8 // low density lipoprotein receptor-related protein 8, apolipo	0.237378	0.366208	0.677055	0.00257	-1.21
7989023	NM_004580	RAB27A	NM_004580 // RAB27A // RAB27A, member RAS oncogene family // 15q15-q21.1 // 5873	0.306622	0.17634	0.745761	0.002571	-1.17
8156160	NM_017576	KIF27	NM_017576 // KIF27 // kinesin family member 27 // 9q21.32 // 55582 /// ENST00000	0.117969	0.108625	0.976171	0.002579	1.30
8112121	NM_173514	SLC38A9	NM_173514 // SLC38A9 // solute carrier family 38, member 9 // 5q11.2 // 153129 /	0.008705	0.082627	0.612729	0.002584	1.16
7906417	NM_021189	CADM3	NM_021189 // CADM3 // cell adhesion molecule 3 // 1q21.2-q22 // 57863 /// NM_001	0.270799	0.531621	0.737277	0.002597	1.25
8011337	NM_002550	OR3A1	NM_002550 // OR3A1 // olfactory receptor, family 3, subfamily A, member 1 // 17p	0.372632	0.367303	0.0160843	0.00262	-1.15
8176578	NM_004654	USP9Y	NM_004654 // USP9Y // ubiquitin specific peptidase 9, Y-linked // Yq11.2 // 8287	0.209294	0	0.667526	0.002623	1.22
8139021	NM_001100425	KIAA0895	NM_001100425 // KIAA0895 // KIAA0895 // 7p14.2 // 23366 /// NM_015314 // KIAA089	0.641301	0.663403	0.771075	0.002626	1.18

8087405	NM_201397	GPX1	NM_201397 // GPX1 // glutathione peroxidase 1 // 3p21.3 // 2876 /// NM_000581 //	0.157516	0.363847	0.968542	0.002626	-1.16
7991386	NM_006384	CIB1	NM_006384 // CIB1 // calcium and integrin binding 1 (calmyrin) // 15q25.3-q26 //	0.223048	0.732477	0.475068	0.00264	1.19
7955694	NM_002178	IGFBP6	NM_002178 // IGFBP6 // insulin-like growth factor binding protein 6 // 12q13 //	0.61983	0.741262	0.352864	0.002642	-1.28
8088371	NM_004944	DNASE1L3	NM_004944 // DNASE1L3 // deoxyribonuclease I-like 3 // 3p14.3 // 1776 /// ENST00	0.016128	0.00532	0.100235	0.002645	-1.26
8089627	NM_144718	SPICE1	NM_144718 // SPICE1 // spindle and centriole associated protein 1 // 3q13.2 // 1	0.019319	0.122527	0.765967	0.002649	1.19
8059244	NM_024536	CHPF	NM_024536 // CHPF // chondroitin polymerizing factor // 2q35 // 79586 /// NM_001	0.001734	0.243209	0.870067	0.002654	1.16
8087833	NM_001947	DUSP7	NM_001947 // DUSP7 // dual specificity phosphatase 7 // 3p21 // 1849 /// BC10488	0.245787	0.86278	0.741146	0.002655	-1.15
7993195	NM_000246	CIITA	NM_000246 // CIITA // class II, major histocompatibility complex, transactivator	0.541057	0.765239	0.518587	0.002661	1.24
7988838	NM_138792	LEO1	NM_138792 // LEO1 // Leo1, Paf1/RNA polymerase II complex component, homolog (S.	0.648801	0.010152	0.889947	0.002664	1.18
7965343	NM_172240	POC1B	NM_172240 // POC1B // POC1 centriolar protein homolog B (Chlamydomonas) // 12q21	0.704867	0.104386	0.459239	0.002675	1.16
8001317	NM_153029	N4BP1	NM_153029 // N4BP1 // NEDD4 binding protein 1 // 16q12.1 // 9683 /// ENST0000026	0.283075	0.795609	0.0103725	0.002678	-1.16

8045563	NM_018460	ARHGAP15	NM_018460 // ARHGAP15 // Rho GTPase activating protein 15 // 2q22.2-q22.3 // 558	0.814322	0.651009	0.89214	0.002682	1.30
8043932	NM_001099693	RPL31	NM_001099693 // RPL31 // ribosomal protein L31 // 2q11.2 // 6160 /// NM_000993 /	0.044784	0.430123	0.136149	0.002694	1.21
7978059	NM_033400	ZFHX2	NM_033400 // ZFHX2 // zinc finger homeobox 2 // 14q11.2 // 85446 /// ENST0000038	0.769043	0.109039	0.439465	0.002697	1.16
8142622	NM_198085	RNF148	NM_198085 // RNF148 // ring finger protein 148 // 7q31.33 // 378925 /// ENST0000	0.334274	0.631423	0.496974	0.002699	-1.17
7957177	NM_014999	RAB21	NM_014999 // RAB21 // RAB21, member RAS oncogene family // 12q21.1 // 23011 ///	0.840838	0.257169	0.432436	0.002704	-1.16
8021546	NM_017742	ZCCHC2	NM_017742 // ZCCHC2 // zinc finger, CCHC domain containing 2 // 18q21.33 // 5487	0.418194	0.227879	0.321667	0.002715	-1.15
8059565	NM_017933	PID1	NM_017933 // PID1 // phosphotyrosine interaction domain containing 1 // 2q36.3 /	0.3761	0.205875	0.972346	0.002719	-1.18
8108627	NR_026703	VTRNA1-1	NR_026703 // VTRNA1-1 // vault RNA 1-1 // 5q31.3 // 56664	0.00449	0.029531	0.539151	0.002739	1.29
7971590	NM_030925	CAB39L	NM_030925 // CAB39L // calcium binding protein 39-like // 13q14.2 // 81617 /// N	0.001112	0.516296	0.255462	0.00274	-1.31
8077851	NM_001098213	HRH1	NM_001098213 // HRH1 // histamine receptor H1 // 3p25 // 3269 /// NM_001098212 /	0.022795	0.465052	0.777841	0.002753	1.17
8044927	NM_002193	INHBB	NM_002193 // INHBB // inhibin, beta B // 2cen-q13 // 3625 /// ENST00000295228 //	0.644867	0.434223	0.521437	0.002755	1.18

8060854	NM_182734	PLCB1	NM_182734 // PLCB1 // phospholipase C, beta 1 (phosphoinositide-specific) // 20p	0.211034	0.563862	0.0618421	0.002764	1.23
8047379	---		---	0.177919	0.81784	0.206302	0.002772	1.21
8162455	NM_004148	NINJ1	NM_004148 // NINJ1 // ninjurin 1 // 9q22 // 4814 /// ENST00000375446 // NINJ1 //	0.009953	0.552424	0.39634	0.002776	1.16
8072108	NM_020437	ASPHD2	NM_020437 // ASPHD2 // aspartate beta-hydroxylase domain containing 2 // 22q12.1	0.146301	0.568047	0.48096	0.002779	1.17
8045664	NM_177964	LYPD6B	NM_177964 // LYPD6B // LY6/PLAUR domain containing 6B // 2q23.2 // 130576 /// EN	0.449889	0.738542	0.51398	0.002784	1.24
8068361	NM_006933	SLC5A3	NM_006933 // SLC5A3 // solute carrier family 5 (sodium/myo-inositol cotransporte	0.10768	0.082673	0.174349	0.002789	1.24
8025199	NM_006702	PNPLA6	NM_006702 // PNPLA6 // patatin-like phospholipase domain containing 6 // 19p13.2	0.926502	0.128485	0.243122	0.002793	-1.24
8179224	NM_001010909	MUC21	NM_001010909 // MUC21 // mucin 21, cell surface associated // 6p21.32 // 394263	0.011346	0.605563	0.498552	0.002804	1.54
7992865	NR_002169	OR1F2P	NR_002169 // OR1F2P // olfactory receptor, family 1, subfamily F, member 2 // 16	0.818688	0.79024	0.798022	0.002814	-1.22
8169836	NM_003399	XPNPEP2	NM_003399 // XPNPEP2 // X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-b	0.188937	0.37439	0.341181	0.002814	1.22
8121632	NM_002269	KPNA5	NM_002269 // KPNA5 // karyopherin alpha 5 (importin alpha 6) // 6q22.1 // 3841 /	0.058871	0.380448	0.959616	0.00282	1.18
8008711	NM_012374	OR4D1	NM_012374 // OR4D1 // olfactory receptor, family 4, subfamily D, member 1 // 17q	0.506563	0.647109	0.0702188	0.002822	-1.17

7943803	NM_001037954	DIXDC1	NM_001037954 // DIXDC1 // DIX domain containing 1 // 11q23.1 // 85458 /// NM_033	0.01062	0.929171	0.491867	0.002824	1.21
7973221	AK301287	TRAJ17	AK301287 // TRAJ17 // T cell receptor alpha joining 17 // 14q11 // 28738 /// BC0	0.054736	0.817146	0.618408	0.002826	1.16
8165508	NM_001004354	NRARP	NM_001004354 // NRARP // NOTCH-regulated ankyrin repeat protein // 9q34.3 // 441	0.558001	0.369312	0.796442	0.00283	-1.15
8048551	NM_005876	SPEG	NM_005876 // SPEG // SPEG complex locus // 2q35 // 10290 /// NM_001173476 // SPE	0.214246	0.301097	0.535658	0.002832	1.16
7922051	NM_003851	CREG1	NM_003851 // CREG1 // cellular repressor of E1A-stimulated genes 1 // 1q24 // 88	0.017988	0.575913	0.226037	0.002844	-1.16
8053710	---		---	0.937717	0.895226	0.342118	0.002847	1.17
7981777	AK127783	LOC400968	AK127783 // LOC400968 // hypothetical LOC400968 // 15q11.2 // 400968 /// AK12778	0.456708	0.668008	0.0105351	0.002848	-1.22
8064978	NM_000214	JAG1	NM_000214 // JAG1 // jagged 1 // 20p12.1-p11.23 // 182 /// ENST00000254958 // JA	0.020797	0.566556	0.66265	0.002849	-1.17
7903308	NM_019083	CCDC76	NM_019083 // CCDC76 // coiled-coil domain containing 76 // 1p21.2 // 54482 /// E	0.103974	0.032445	0.218328	0.002856	1.20
8161431	---		---	0.81263	0.927975	0.111799	0.002862	-1.18
7927599	NM_019893	ASAH2	NM_019893 // ASAH2 // N-acylsphingosine amidohydrolase (non-lysosomal ceramidase	0.373663	0.053136	0.858645	0.002875	1.21
8102440	NM_024590	ARSJ	NM_024590 // ARSJ // arylsulfatase family, member J // 4q26 // 79642 /// ENST000	0.842676	0.613325	0.376242	0.002876	1.22

7985364	NM_172217	IL16	NM_172217 // IL16 // interleukin 16 (lymphocyte chemoattractant factor) // 15q26	1.93E-05	0.997361	0.239137	0.002884	-1.19
8147766	NM_003506	FZD6	NM_003506 // FZD6 // frizzled homolog 6 (Drosophila) // 8q22.3-q23.1 // 8323 ///	0.224808	0.9638	0.724904	0.002896	1.15
7898357	NR_027504	MST1P2	NR_027504 // MST1P2 // macrophage stimulating 1 (hepatocyte growth factor-like)	0.433489	0.164285	0.0389912	0.002908	-1.15
8104124	NM_001005217	FRG2	NM_001005217 // FRG2 // FSHD region gene 2 // 4q35 // 448831 /// NM_001080998 //	0.385964	0.556652	0.0057241	0.002925	-1.15
8132369	NM_017549	EPDR1	NM_017549 // EPDR1 // ependymin related protein 1 (zebrafish) // 7p14.1 // 54749	0.881325	0.121	0.494835	0.002925	-1.17
7974288	NM_181533	ABHD12B	NM_181533 // ABHD12B // abhydrolase domain containing 12B // 14q22.1 // 145447 /	0.397947	0.130571	0.916575	0.002929	1.30
8021614	NM_080475	SERPINB11	NM_080475 // SERPINB11 // serpin peptidase inhibitor, clade B (ovalbumin), membe	0.342718	0.361398	0.746467	0.002935	1.40
8134026	NR_003551	DPY19L2P4	NR_003551 // DPY19L2P4 // dpy-19-like 2 pseudogene 4 (C. elegans) // 7q21.13 //	0.348331	0.102201	0.340903	0.002957	1.16
8076431	NR_002570	CYP2D7P1	NR_002570 // CYP2D7P1 // cytochrome P450, family 2, subfamily D, polypeptide 7 p	0.999831	0.414979	0.508222	0.002962	-1.18
8007397	NM_176863	PSME3	NM_176863 // PSME3 // proteasome (prosome, macropain) activator subunit 3 (PA28	0.000604	0.411067	0.903325	0.002966	-1.14
8126524	NM_199184	C6orf108	NM_199184 // C6orf108 // chromosome 6 open reading frame 108 // 6p21.1 // 10591	0.028639	0.577996	0.600187	0.002987	1.20

8118455	NM_007293	C4A	NM_007293 // C4A // complement component 4A (Rodgers blood group) // 6p21.3 // 7	0.85388	0.848861	0.831452	0.002988	1.36
7989277	NM_004998	MYO1E	NM_004998 // MYO1E // myosin IE // 15q21-q22 // 4643 /// ENST00000288235 // MYO1	0.891568	0.054397	0.174792	0.003002	1.18
7931353	NM_006504	PTPRE	NM_006504 // PTPRE // protein tyrosine phosphatase, receptor type, E // 10q26 //	0.010084	0.669232	0.700841	0.003004	-1.16
8136918	NM_003461	ZYX	NM_003461 // ZYX // zyxin // 7q32 // 7791 /// NM_001010972 // ZYX // zyxin // 7q	0.072188	0.199463	0.788845	0.003007	-1.15
7903389	---		---	0.191073	0.299653	0.127964	0.00301	-1.21
8179399	NM_007293	C4A	NM_007293 // C4A // complement component 4A (Rodgers blood group) // 6p21.3 // 7	0.876603	0.833172	0.7967	0.00301	1.37
8158059	NM_003165	STXBP1	NM_003165 // STXBP1 // syntaxin binding protein 1 // 9q34.1 // 6812 /// NM_00103	0.53335	0.155575	0.0588909	0.003011	-1.15
7917503	NM_018284	GBP3	NM_018284 // GBP3 // guanylate binding protein 3 // 1p22.2 // 2635 /// ENST00000	0.847097	0.671927	0.689542	0.003013	1.47
8013523	---		---	0.301964	0.416523	0.0072089	0.003015	-1.55
7935528	NM_003015	SFRP5	NM_003015 // SFRP5 // secreted frizzled-related protein 5 // 10q24.1 // 6425 ///	0.055255	0.028794	0.730764	0.003022	1.21
8102050	NM_178833	NHEDC2	NM_178833 // NHEDC2 // Na+/H+ exchanger domain containing 2 // 4q24 // 133308 //	0.116013	0.925787	0.765831	0.003023	1.23
7944493	NM_005188	CBL	NM_005188 // CBL // Cas-Br-M (murine) ecotropic retroviral transforming sequence	0.973732	0.308827	0.33787	0.003023	-1.15

8165794	NM_002414	CD99	NM_002414 // CD99 // CD99 molecule // Xp22.32; Yp11.3 // 4267 /// NM_001122898 /	0.720563	8.57E-16	0.497939	0.003036	-1.13
8134122	NM_005751	AKAP9	NM_005751 // AKAP9 // A kinase (PRKA) anchor protein (yotiao) 9 // 7q21-q22 // 1	0.001556	0.628519	0.957204	0.00304	1.19
8079138	---		---	0.006361	0.146872	0.009324	0.003041	-1.16
7966266	---		---	0.707759	0.023304	0.548873	0.003047	1.20
8096955	---		---	0.989073	0.862732	0.210091	0.003048	1.23
7897482	NM_005026	PIK3CD	NM_005026 // PIK3CD // phosphoinositide-3-kinase, catalytic, delta polypeptide /	0.270505	0.381514	0.852821	0.003049	-1.14
7898894	NM_020362	C1orf128	NM_020362 // C1orf128 // chromosome 1 open reading frame 128 // 1p36.11 // 57095	0.35467	0.22289	0.965513	0.003055	-1.18
8145793	NR_003041	SNORD13	NR_003041 // SNORD13 // small nucleolar RNA, C/D box 13 // 8p12 // 692084	0.815538	0.620851	0.64662	0.00306	1.29
8022356	NM_001128626	SPIRE1	NM_001128626 // SPIRE1 // spire homolog 1 (Drosophila) // 18p11.21 // 56907 ///	0.837776	0.332835	0.0040595	0.003069	-1.20
8060344	NM_021158	TRIB3	NM_021158 // TRIB3 // tribbles homolog 3 (Drosophila) // 20p13-p12.2 // 57761 //	0.417645	0.014463	0.570792	0.003069	-1.15
8025028	NM_006012	CLPP	NM_006012 // CLPP // ClpP caseinolytic peptidase, ATP-dependent, proteolytic sub	0.001041	0.911452	0.546825	0.003091	-1.14
7967685	NM_194356	STX2	NM_194356 // STX2 // syntaxin 2 // 12q24.33 // 2054 /// NM_001980 // STX2 // syn	0.000409	0.469987	0.51582	0.003092	-1.16
7930074	NM_002502	NFKB2	NM_002502 // NFKB2 // nuclear factor of kappa light polypeptide gene enhancer in	0.000304	0.985887	0.176187	0.003094	1.21

8145047	NM_003018	SFTPC	NM_003018 // SFTPC // surfactant protein C // 8p21 // 6440 /// NM_001172410 // S	0.913449	0.120792	0.297452	0.0031	-1.49
8113724	---		---	0.024286	0.401912	0.528285	0.003116	1.18
8179926	NM_005510	DOM3Z	NM_005510 // DOM3Z // dom-3 homolog Z (C. elegans) // 6p21.3 // 1797 /// ENST000	0.92373	0.240913	0.114072	0.003132	-1.15
7948656	NM_002032	FTH1	NM_002032 // FTH1 // ferritin, heavy polypeptide 1 // 11q13 // 2495 /// ENST0000	0.059984	0.276934	0.197592	0.003137	-1.15
7983021	NM_005090	JMJD7-PLA2(	NM_005090 // JMJD7-PLA2G4B // JMJD7-PLA2G4B readthrough // 15q11.2-q21.3 // 8681	0.009228	0.465433	0.863431	0.003145	-1.16
8048257	NM_015488	PNKD	NM_015488 // PNKD // paroxysmal nonkinesigenic dyskinesia // 2q35 // 25953 /// N	5.66E-05	0.971238	0.25896	0.003158	-1.13
8132725	NM_003364	UPP1	NM_003364 // UPP1 // uridine phosphorylase 1 // 7p12.3 // 7378 /// NM_181597 //	0.000683	0.693214	0.188868	0.003161	-1.17
7902518	NM_017655	GIPC2	NM_017655 // GIPC2 // GIPC PDZ domain containing family, member 2 // 1p31.1 // 5	0.007162	0.639532	0.0762437	0.00317	1.23
8061529	NM_014012	REM1	NM_014012 // REM1 // RAS (RAD and GEM)-like GTP-binding 1 // 20q11.21 // 28954 /	0.088144	0.886948	0.463384	0.003179	1.14
8176698	NM_001005852	CYorf15A	NM_001005852 // CYorf15A // chromosome Y open reading frame 15A // Yq11.222 // 2	0.148556	0	0.702771	0.003192	1.17
7982000	NR_003340	SNORD116-2	NR_003340 // SNORD116-26 // small nucleolar RNA, C/D box 116-26 // 15q11.2 // 10	0.866355	0.386567	0.21225	0.003192	1.29
8042761	NR_003683	ALMS1P	NR_003683 // ALMS1P // Alstrom syndrome 1 pseudogene // 2p13.1 // 200420	0.607641	0.240967	0.497884	0.003193	1.22

8118409	NM_007293	C4A	NM_007293 // C4A // complement component 4A (Rodgers blood group) // 6p21.3 // 7	0.833673	0.875148	0.816149	0.003233	1.36
8149979	NM_001010906	C8orf80	NM_001010906 // C8orf80 // chromosome 8 open reading frame 80 // 8p21.1 // 38964	0.454107	0.378114	0.998017	0.003247	1.18
8173812	NM_030763	HMGN5	NM_030763 // HMGN5 // high-mobility group nucleosome binding domain 5 // Xq13.3	0.027785	0.046863	0.459764	0.003248	1.22
7972682	NM_024089	KDELC1	NM_024089 // KDELC1 // KDEL (Lys-Asp-Glu-Leu) containing 1 // 13q33 // 79070 ///	0.892739	0.369677	0.875976	0.003253	1.25
7938331	NM_003442	ZNF143	NM_003442 // ZNF143 // zinc finger protein 143 // 11p15.4 // 7702 /// ENST000003	0.047885	0.091653	0.887383	0.003263	-1.18
7993588	NM_024847	TMC7	NM_024847 // TMC7 // transmembrane channel-like 7 // 16p12.3 // 79905 /// NM_001	0.406404	0.064478	0.428021	0.003263	-1.28
8113344	---		---	0.999429	0.732465	0.0893783	0.003264	-1.24
8114207	---		---	0.999429	0.732465	0.0893783	0.003264	-1.24
8103483	---		---	0.999429	0.732465	0.0893783	0.003264	-1.24
8099506	NM_153365	TAPT1	NM_153365 // TAPT1 // transmembrane anterior posterior transformation 1 // 4p15.	0.023517	0.897953	0.0453	0.003284	-1.20
8026533	NM_032855	HSH2D	NM_032855 // HSH2D // hematopoietic SH2 domain containing // 19p13.12 // 84941 /	0.15569	0.709068	0.525832	0.003296	1.16
7952404	NM_012378	OR8B8	NM_012378 // OR8B8 // olfactory receptor, family 8, subfamily B, member 8 // 11q	0.812773	0.263387	0.0776148	0.003297	-1.18
7979516	NM_020810	TRMT5	NM_020810 // TRMT5 // TRM5 tRNA methyltransferase 5 homolog (S. cerevisiae) // 1	0.886593	0.005861	0.813065	0.003313	1.14

7898020	NM_001039361	PRAMEF10	NM_001039361 // PRAMEF10 // PRAME family member 10 // 1p36.21 // 343071 /// NM_0	0.714135	0.039885	0.107188	0.003313	-1.16
7898034	NM_001039361	PRAMEF10	NM_001039361 // PRAMEF10 // PRAME family member 10 // 1p36.21 // 343071 /// NM_0	0.714135	0.039885	0.107188	0.003313	-1.16
8059996	NM_022817	PER2	NM_022817 // PER2 // period homolog 2 (Drosophila) // 2q37.3 // 8864 /// ENST000	0.090794	0.226939	0.94963	0.00332	1.30
8028194	NM_032825	ZNF382	NM_032825 // ZNF382 // zinc finger protein 382 // 19q13.12 // 84911 /// ENST0000	0.027784	0.282115	0.723406	0.003324	1.22
8112327	NM_001826	CKS1B	NM_001826 // CKS1B // CDC28 protein kinase regulatory subunit 1B // 1q21.2 // 11	0.070237	0.205484	0.645176	0.003325	1.17
7955987	---		---	0.650976	0.180507	0.0563446	0.003325	-1.15
8008277	NM_000023	SGCA	NM_000023 // SGCA // sarcoglycan, alpha (50kDa dystrophin-associated glycoprotei	0.481875	0.002435	0.772832	0.003328	-1.15
7903893	NM_000560	CD53	NM_000560 // CD53 // CD53 molecule // 1p13 // 963 /// NM_001040033 // CD53 // CD	0.829516	0.77051	0.278063	0.003329	-1.24
7995806	NM_005946	MT1A	NM_005946 // MT1A // metallothionein 1A // 16q13 // 4489 /// ENST00000443255 //	0.013062	0.466045	0.788219	0.003351	-1.51
8131927	NM_016447	MPP6	NM_016447 // MPP6 // membrane protein, palmitoylated 6 (MAGUK p55 subfamily memb	0.570819	0.683051	0.953204	0.00336	-1.21
8085052	---		---	0.031186	0.064809	0.824179	0.003363	1.22
8010780	NM_207459	TEX19	NM_207459 // TEX19 // testis expressed 19 // 17q25.3 // 400629 /// ENST000003334	0.090485	0.07002	0.0314015	0.003388	-1.17

7910387	NM_021205	RHOU	NM_021205 // RHOU // ras homolog gene family, member U // 1q42.11-q42.3 // 58480	0.288375	0.647558	0.611689	0.003391	-1.17
8103812	NM_080874	ASB5	NM_080874 // ASB5 // ankyrin repeat and SOCS box-containing 5 // 4q34.2 // 14045	0.447193	0.208526	0.231009	0.003404	1.16
8048452	NM_025216	WNT10A	NM_025216 // WNT10A // wingless-type MMTV integration site family, member 10A //	0.312143	0.686033	0.984272	0.003407	1.16
7910186	---		---	0.538364	0.974194	0.0397528	0.003408	-1.17
8164215	NR_002449	SNORA65	NR_002449 // SNORA65 // small nucleolar RNA, H/ACA box 65 // 9q34 // 26783	0.00137	0.399351	0.435104	0.003413	1.27
8148694	NM_000837	GRINA	NM_000837 // GRINA // glutamate receptor, ionotropic, N-methyl D-aspartate-assoc	0.009398	0.755278	0.0575515	0.00342	-1.14
8082240	---		---	0.298869	0.486849	0.551865	0.003421	-1.14
8038505	NM_052884	SIGLEC11	NM_052884 // SIGLEC11 // sialic acid binding Ig-like lectin 11 // 19q13.33 // 11	0.477011	0.212443	0.39434	0.003421	-1.14
7973336	NM_004995	MMP14	NM_004995 // MMP14 // matrix metallopeptidase 14 (membrane-inserted) // 14q11-q1	0.010157	0.223574	0.737462	0.003422	1.19
8068697	NM_002463	MX2	NM_002463 // MX2 // myxovirus (influenza virus) resistance 2 (mouse) // 21q22.3	0.014709	0.253168	0.544607	0.003439	1.30
8086389	---		---	0.32273	0.463514	0.802112	0.003441	1.15
7944365	NM_198489	CCDC84	NM_198489 // CCDC84 // coiled-coil domain containing 84 // 11q23.3 // 338657 ///	0.014575	0.827092	0.183225	0.003441	-1.16
8163491	NM_001012361	WDR31	NM_001012361 // WDR31 // WD repeat domain 31 // 9q32 // 114987 /// NM_145241 //	0.244668	0.149635	0.455924	0.003454	1.23
7967898	---		---	0.03206	0.216378	0.0273634	0.003458	-1.20

8155024	---		---	0.211633	0.416853	0.183989	0.003466	-1.15
7932407	NM_001004470	ST8SIA6	NM_001004470 // ST8SIA6 // ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransf	0.025611	0.073226	0.730098	0.003476	-1.50
8070567	NM_003226	TFF3	NM_003226 // TFF3 // trefoil factor 3 (intestinal) // 21q22.3 // 7033 /// ENST00	0.410272	0.861951	0.465878	0.003481	1.20
7983054	NR_027911	CAPN3	NR_027911 // CAPN3 // calpain 3, (p94) // 15q15.1 // 825 /// NR_027912 // CAPN3	0.184224	0.559821	0.892359	0.003485	-1.25
7977294	NM_001137601	ZBTB42	NM_001137601 // ZBTB42 // zinc finger and BTB domain containing 42 // 14q32.33 /	0.463646	0.2283	0.450394	0.003489	-1.17
7926105	NM_001002295	GATA3	NM_001002295 // GATA3 // GATA binding protein 3 // 10p15 // 2625 /// NM_002051 /	0.220657	0.241779	0.433099	0.003491	-1.21
8116227	NM_020666	CLK4	NM_020666 // CLK4 // CDC-like kinase 4 // 5q35 // 57396 /// ENST00000316308 // C	0.025482	0.039594	0.336628	0.003494	1.21
7979658	NM_002083	GPX2	NM_002083 // GPX2 // glutathione peroxidase 2 (gastrointestinal) // 14q24.1 // 2	0.133326	0.780629	0.631679	0.003497	1.24
8131374	NM_006303	AIMP2	NM_006303 // AIMP2 // aminoacyl tRNA synthetase complex-interacting multifunctio	0.003017	0.807882	0.566935	0.003507	-1.14
8148280	NM_003129	SQLE	NM_003129 // SQLE // squalene epoxidase // 8q24.1 // 6713 /// ENST00000265896 //	0.319022	0.77731	0.138514	0.003508	-1.32
8144153	NM_017760	NCAPG2	NM_017760 // NCAPG2 // non-SMC condensin II complex, subunit G2 // 7q36.3 // 548	0.745553	0.985224	0.869056	0.003516	1.16
8176360	NM_002414	CD99	NM_002414 // CD99 // CD99 molecule // Xp22.32; Yp11.3 // 4267 /// NM_001122898 /	0.757025	1.57E-15	0.480367	0.00352	-1.13

8135943	---		---	0.085538	0.070988	0.146583	0.003524	1.55
8080762	NM_020676	ABHD6	NM_020676 // ABHD6 // abhydrolase domain containing 6 // 3p14.3 // 57406 /// ENS	0.647026	0.835319	0.945425	0.003526	-1.18
8009334	NM_014405	CACNG4	NM_014405 // CACNG4 // calcium channel, voltage-dependent, gamma subunit 4 // 17	0.030456	0.220077	0.51824	0.003532	-1.18
8029086	NM_004363	CEACAM5	NM_004363 // CEACAM5 // carcinoembryonic antigen-related cell adhesion molecule	0.271369	0.806481	0.202078	0.003536	1.65
7945781	NM_003311	PHLDA2	NM_003311 // PHLDA2 // pleckstrin homology-like domain, family A, member 2 // 11	0.002631	0.076924	0.223201	0.003547	1.16
8084423	NM_002808	PSMD2	NM_002808 // PSMD2 // proteasome (prosome, macropain) 26S subunit, non-ATPase, 2	0.040693	0.967379	0.523807	0.003555	-1.16
8102362	NM_052864	TIFA	NM_052864 // TIFA // TRAF-interacting protein with forkhead-associated domain //	0.010189	0.052682	0.096173	0.003556	1.27
7952004	NM_174934	SCN4B	NM_174934 // SCN4B // sodium channel, voltage-gated, type IV, beta // 11q23.3 //	0.223111	0.000737	0.725079	0.00356	1.15
8024391	NM_032482	DOT1L	NM_032482 // DOT1L // DOT1-like, histone H3 methyltransferase (S. cerevisiae) //	0.018744	0.980387	0.0958356	0.003565	-1.16
7981278	NM_206918	DEGS2	NM_206918 // DEGS2 // degenerative spermatocyte homolog 2, lipid desaturase (Dro	0.61714	0.234167	0.985566	0.003575	1.18
8048381	NM_015690	STK36	NM_015690 // STK36 // serine/threonine kinase 36 // 2q35 // 27148 /// ENST000002	0.227529	0.207564	0.179855	0.003579	1.25
8140737	---		---	0.9689	0.262881	0.581079	0.003582	-1.26

8159900	NM_152629	GLIS3	NM_152629 // GLIS3 // GLIS family zinc finger 3 // 9p24.2 // 169792 /// NM_00104	0.127019	0.279643	0.751435	0.003591	1.27
8086908	NM_001130082	PLXNB1	NM_001130082 // PLXNB1 // plexin B1 // 3p21.31 // 5364 /// NM_002673 // PLXNB1 /	0.883916	0.766396	0.376986	0.003595	1.19
8133413	NM_002314	LIMK1	NM_002314 // LIMK1 // LIM domain kinase 1 // 7q11.23 // 3984 /// ENST00000336180	0.15423	0.634602	0.289145	0.003597	1.14
8125445	---		---	0.67631	0.860761	0.0702064	0.003607	-1.15
8020650	---		---	0.108329	0.882186	0.0756016	0.003616	1.19
8012257	NM_000546	TP53	NM_000546 // TP53 // tumor protein p53 // 17p13.1 // 7157 /// NM_001126112 // TP	0.012593	0.233801	0.776229	0.003646	1.14
8162019	NM_017576	KIF27	NM_017576 // KIF27 // kinesin family member 27 // 9q21.32 // 55582 /// ENST00000	0.020325	0.078413	0.930056	0.003653	1.30
8122705	NM_005389	PCMT1	NM_005389 // PCMT1 // protein-L-isoaspartate (D-aspartate) O-methyltransferase /	0.600987	0.689353	0.891046	0.003655	-1.17
8148325	---		---	0.863899	0.456525	0.794489	0.003684	1.20
8073096	NM_001166003	APOBEC3H	NM_001166003 // APOBEC3H // apolipoprotein B mRNA editing enzyme, catalytic poly	0.940083	0.794611	0.127496	0.003684	1.15
8172204	NM_000898	MAOB	NM_000898 // MAOB // monoamine oxidase B // Xp11.23 // 4129 /// ENST00000378069	0.026228	0.887353	0.101972	0.003697	1.23
8144315	BC026965	ARHGEF10	BC026965 // ARHGEF10 // Rho guanine nucleotide exchange factor (GEF) 10 // 8p23	0.072031	0.477927	0.177809	0.003705	-1.22
8077899	NM_138712	PPARG	NM_138712 // PPARG // peroxisome proliferator-activated receptor gamma // 3p25 /	0.089714	0.219723	0.015717	0.003728	-1.33

8124423	NM_003518	HIST1H2BG	NM_003518 // HIST1H2BG // histone cluster 1, H2bg // 6p21.3 // 8339	0.036557	0.847464	0.60247	0.00374	-1.17
8165046	NM_015447	CAMSAP1	NM_015447 // CAMSAP1 // calmodulin regulated spectrin-associated protein 1 // 9q	0.539855	0.378623	0.249059	0.003741	1.14
8123446	NM_022138	SMOC2	NM_022138 // SMOC2 // SPARC related modular calcium binding 2 // 6q27 // 64094 /	0.007039	0.977561	0.935121	0.003744	1.33
7926896	NM_001826	CKS1B	NM_001826 // CKS1B // CDC28 protein kinase regulatory subunit 1B // 1q21.2 // 11	0.069306	0.164889	0.589867	0.003752	1.16
8172749	NM_130777	XAGE2	NM_130777 // XAGE2 // X antigen family, member 2 // Xp11.22 // 9502 /// NM_00107	0.065014	0.701658	0.409272	0.00376	1.17
8167693	NM_130777	XAGE2	NM_130777 // XAGE2 // X antigen family, member 2 // Xp11.22 // 9502 /// NM_00107	0.065014	0.701658	0.409271	0.00376	1.17
8100382	NM_012110	CHIC2	NM_012110 // CHIC2 // cysteine-rich hydrophobic domain 2 // 4q11 // 26511 /// EN	0.496457	0.853743	0.436614	0.00377	-1.18
7901951	NM_002633	PGM1	NM_002633 // PGM1 // phosphoglucomutase 1 // 1p31 // 5236 /// NM_001172818 // PG	0.424337	0.88167	0.0562878	0.003771	-1.15
7976814	NR_003194	SNORD114-2	NR_003194 // SNORD114-2 // small nucleolar RNA, C/D box 114-2 // 14q32 // 767578	0.702761	0.488527	0.610993	0.003773	1.38
8038556	NM_004851	NAPSA	NM_004851 // NAPSA // napsin A aspartic peptidase // 19q13.33 // 9476 /// ENST00	0.181397	0.121815	0.200867	0.003788	-1.47
7919580	AK125737	LOC440570	AK125737 // LOC440570 // hypothetical LOC440570 // 1p36.13 // 440570 /// AK12573	0.777446	0.541656	0.0045327	0.003797	-1.30

7919596	AK125737	LOC440570	AK125737 // LOC440570 // hypothetical LOC440570 // 1p36.13 // 440570 /// AK12573	0.777446	0.541656	0.0045327	0.003797	-1.30
8003808	NR_024128	OR3A4	NR_024128 // OR3A4 // olfactory receptor, family 3, subfamily A, member 4 // 17p	0.721906	0.806833	0.0789251	0.003799	-1.16
8028219	NM_144689	ZNF420	NM_144689 // ZNF420 // zinc finger protein 420 // 19q13.12 // 147923 /// ENST000	0.296492	0.116095	0.488891	0.003807	1.15
8007701	NM_016438	HIGD1B	NM_016438 // HIGD1B // HIG1 hypoxia inducible domain family, member 1B // 17q21.	0.899922	0.046953	0.431957	0.003814	-1.24
8036079	NM_001126056	DMKN	NM_001126056 // DMKN // dermokine // 19q13.12 // 93099 /// NM_001190347 // DMKN	0.389474	0.34982	0.847927	0.003819	1.15
7950248	NM_014824	FCHSD2	NM_014824 // FCHSD2 // FCH and double SH3 domains 2 // 11q13.4 // 9873 /// ENST0	0.045149	0.532375	0.909535	0.003819	-1.16
7946661	NM_015881	DKK3	NM_015881 // DKK3 // dickkopf homolog 3 (Xenopus laevis) // 11p15.2 // 27122 ///	0.249857	0.00605	0.315518	0.003822	-1.15
8065948	NR_024377	FER1L4	NR_024377 // FER1L4 // fer-1-like 4 (C. elegans) pseudogene // 20q11.22 // 80307	0.808137	0.238841	0.387732	0.003829	1.28
8156982	NM_001042551	SMC2	NM_001042551 // SMC2 // structural maintenance of chromosomes 2 // 9q31.1 // 105	0.920504	0.380266	0.272932	0.003843	1.20
8117389	NM_003523	HIST1H2BE	NM_003523 // HIST1H2BE // histone cluster 1, H2be // 6p21.3 // 8344 /// BC101748	0.001458	0.282784	0.856596	0.00385	1.17
8008982	NM_018488	TBX4	NM_018488 // TBX4 // T-box 4 // 17q21-q22 // 9496 /// ENST00000240335 // TBX4 //	0.051246	0.523466	0.179613	0.003851	-1.24

7953812	NM_004426	PHC1	NM_004426 // PHC1 // polyhomeotic homolog 1 (Drosophila) // 12p13 // 1911 /// NM	0.091181	0.714099	0.477855	0.003854	1.15
7942520	---		---	0.00456	0.375741	0.652042	0.003862	1.19
8024048	NM_002777	PRTN3	NM_002777 // PRTN3 // proteinase 3 // 19p13.3 // 5657 /// ENST00000234347 // PRT	0.726979	0.381316	0.953899	0.003869	-1.16
8109344	NM_000405	GM2A	NM_000405 // GM2A // GM2 ganglioside activator // 5q33.1 // 2760 /// NM_00116760	0.300314	0.949585	0.0065717	0.003881	1.22
8077526	---		---	0.138917	0.36332	0.786286	0.003881	1.18
8111214	XM_001715032	LOC391766	XM_001715032 // LOC391766 // putative TAF11-like protein ENSP00000332601-like //	0.317708	0.321017	0.0055152	0.003883	-1.27
8155849	NM_000700	ANXA1	NM_000700 // ANXA1 // annexin A1 // 9q12-q21.2|9q21.13 // 301 /// ENST0000025749	0.612122	0.814092	0.184618	0.003894	1.17
8013465	NR_029393	KRT16P3	NR_029393 // KRT16P3 // keratin 16 pseudogene 3 // 17p11.2 // 644945 /// NR_0293	1.40E-05	0.808897	0.148906	0.003897	1.37
8042468	NM_001153	ANXA4	NM_001153 // ANXA4 // annexin A4 // 2p13 // 307 /// ENST00000394295 // ANXA4 //	0.50578	0.724646	0.0758505	0.003905	1.15
8104738	NM_006713	SUB1	NM_006713 // SUB1 // SUB1 homolog (S. cerevisiae) // 5p13.3 // 10923 /// ENST000	0.080775	0.630521	0.133262	0.003916	1.16
7945146	NM_000890	KCNJ5	NM_000890 // KCNJ5 // potassium inwardly-rectifying channel, subfamily J, member	0.459569	0.66685	0.035311	0.003927	1.21
7986515	ENST00000436525	C15orf51	ENST00000436525 // C15orf51 // dynamin 1 pseudogene // 15q26.3 // 196968	0.002949	0.011326	0.149725	0.003933	-1.41

7986525	ENST00000436525	C15orf51	ENST00000436525 // C15orf51 // dynamin 1 pseudogene // 15q26.3 // 196968	0.002949	0.011326	0.149725	0.003933	-1.41
7978343	NM_001836	CMA1	NM_001836 // CMA1 // chymase 1, mast cell // 14q11.2 // 1215 /// ENST00000250378	0.456689	0.858961	0.749115	0.00397	1.20
7910680	NM_003272	GPR137B	NM_003272 // GPR137B // G protein-coupled receptor 137B // 1q42-q43 // 7107 ///	0.391394	0.665189	0.0069474	0.003988	1.15
8122598	---		---	0.951703	0.092196	0.282416	0.003989	1.17
8155200	NM_005893	CCIN	NM_005893 // CCIN // calicin // 9p13.3 // 881 /// ENST00000335119 // CCIN // cal	0.851945	0.89512	0.324705	0.00399	-1.16
8128329	NM_198468	MMS22L	NM_198468 // MMS22L // MMS22-like, DNA repair protein // 6q16.1 // 253714 /// EN	0.116347	0.273303	0.636283	0.003991	1.16
7967707	---		---	0.127335	0.07481	0.673112	0.004024	1.17
8152215	NM_005655	KLF10	NM_005655 // KLF10 // Kruppel-like factor 10 // 8q22.2 // 7071 /// NM_001032282	0.531669	0.877167	0.398664	0.004025	-1.19
8095341	---		---	0.09718	0.384202	0.816956	0.004029	-1.14
7995829	NM_005951	MT1H	NM_005951 // MT1H // metallothionein 1H // 16q13 // 4496 /// ENST00000332374 //	0.073293	0.901339	0.700372	0.00403	-1.23
8115691	NM_003062	SLIT3	NM_003062 // SLIT3 // slit homolog 3 (Drosophila) // 5q35 // 6586 /// AB017169 /	0.165543	0.262494	0.948222	0.004066	1.27
7917255	NM_014021	SSX2IP	NM_014021 // SSX2IP // synovial sarcoma, X breakpoint 2 interacting protein // 1	0.524285	0.807737	0.620567	0.004066	1.17
7998655	NM_002952	RPS2	NM_002952 // RPS2 // ribosomal protein S2 // 16p13.3 // 6187 /// ENST00000343262	8.82E-05	0.105013	0.485181	0.004068	-1.15

7955589	NM_002135	NR4A1	NM_002135 // NR4A1 // nuclear receptor subfamily 4, group A, member 1 // 12q13 /	0.662837	0.011353	0.414195	0.004081	-1.54
7953547	NM_001007026	ATN1	NM_001007026 // ATN1 // atrophin 1 // 12p13.31 // 1822 /// NM_001940 // ATN1 //	0.909019	0.445289	0.347755	0.004083	-1.15
8028233	NM_181786	HKR1	NM_181786 // HKR1 // HKR1, GLI-Kruppel zinc finger family member // 19q13.12 //	0.031609	0.165038	0.0325009	0.004085	1.14
7949948	NM_022338	C11orf24	NM_022338 // C11orf24 // chromosome 11 open reading frame 24 // 11q13 // 53838 /	0.003735	0.455637	0.804537	0.004085	1.16
7998878	NM_022119	PRSS22	NM_022119 // PRSS22 // protease, serine, 22 // 16p13.3 // 64063 /// ENST00000161	0.227273	0.641153	0.403261	0.004088	1.14
7898655	NM_001785	CDA	NM_001785 // CDA // cytidine deaminase // 1p36.2-p35 // 978 /// ENST00000375071	0.263169	0.495073	0.666506	0.004103	-1.14
7944302	NM_015157	PHLDB1	NM_015157 // PHLDB1 // pleckstrin homology-like domain, family B, member 1 // 11	0.743605	0.28397	0.318598	0.004118	-1.18
8116579	NM_033260	FOXQ1	NM_033260 // FOXQ1 // forkhead box Q1 // 6p25 // 94234 /// ENST00000296839 // FO	0.882816	0.085255	0.551477	0.004121	-1.21
8088680	NM_173654	C3orf64	NM_173654 // C3orf64 // chromosome 3 open reading frame 64 // 3p14.1 // 285203 /	0.400158	0.508069	0.367363	0.004126	-1.17
7898048	NM_001099851	PRAMEF17	NM_001099851 // PRAMEF17 // PRAME family member 17 // 1p36.21 // 391004 /// NM_0	0.702633	0.207868	0.134639	0.004135	-1.17
8106532	---		---	0.458197	0.238076	0.0011917	0.004138	-1.18
7983490	NR_022014	C15orf21	NR_022014 // C15orf21 // Dresden prostate cancer 2 // 15q21.1 // 283651 /// AY27	0.123579	0.05289	0.0596635	0.004139	1.16

8124828	NM_005803	FLOT1	NM_005803 // FLOT1 // flotillin 1 // 6p21.3 // 10211 /// ENST00000376389 // FLOT	0.002339	0.619993	0.609008	0.00415	-1.14
8169186	NM_017752	TBC1D8B	NM_017752 // TBC1D8B // TBC1 domain family, member 8B (with GRAM domain) // Xq22	0.054679	0.176895	0.589423	0.004154	1.19
7929078	NM_016195	KIF20B	NM_016195 // KIF20B // kinesin family member 20B // 10q23.31 // 9585 /// ENST000	0.423572	0.689857	0.664235	0.004155	1.17
8096845	NM_001963	EGF	NM_001963 // EGF // epidermal growth factor // 4q25 // 1950 /// NM_001178130 //	0.779728	0.613359	0.0225889	0.004173	-1.25
8070615	NM_018669	WDR4	NM_018669 // WDR4 // WD repeat domain 4 // 21q22.3 // 10785 /// NM_033661 // WDR	0.118067	0.11848	0.263758	0.00419	-1.19
7981157	NR_026779	C14orf139	NR_026779 // C14orf139 // chromosome 14 open reading frame 139 // 14q32.13 // 79	0.035844	0.655083	0.440929	0.00419	-1.16
8009526	NM_001050	SSTR2	NM_001050 // SSTR2 // somatostatin receptor 2 // 17q24 // 6752 /// ENST000003575	0.001449	0.201184	0.913599	0.004207	1.14
7956007	NM_206899	OR10P1	NM_206899 // OR10P1 // olfactory receptor, family 10, subfamily P, member 1 // 1	0.658421	0.529252	0.0679128	0.004207	-1.17
8165682	---		---	0.207164	0.624409	0.10282	0.004214	-1.40
8076734	NM_058238	WNT7B	NM_058238 // WNT7B // wingless-type MMTV integration site family, member 7B // 2	0.132252	0.675771	0.391198	0.004217	1.17
7951977	NM_001164836	FXYD6	NM_001164836 // FXYD6 // FXYD domain containing ion transport regulator 6 // 11q	0.177532	0.049803	0.34308	0.004219	-1.16
7917885	NM_001839	CNN3	NM_001839 // CNN3 // calponin 3, acidic // 1p22-p21 // 1266 /// ENST00000370206	0.638696	0.342614	0.670678	0.00422	-1.14

8127193	NM_021073	BMP5	NM_021073 // BMP5 // bone morphogenetic protein 5 // 6p12.1 // 653 /// ENST00000	0.008601	0.734519	0.0204148	0.004226	1.34
7946275	NR_003945	GVINP1	NR_003945 // GVINP1 // GTPase, very large interferon inducible pseudogene 1 // 1	0.032321	0.647822	0.640088	0.00423	-1.32
8041542	NM_138801	GALM	NM_138801 // GALM // galactose mutarotase (aldose 1-epimerase) // 2p22.1 // 1305	0.217765	0.076723	0.0383579	0.004235	1.15
7897745	NM_020350	AGTRAP	NM_020350 // AGTRAP // angiotensin II receptor-associated protein // 1p36.22 //	6.86E-05	0.579182	0.12089	0.00424	-1.14
7954963	---		---	0.219522	0.628154	0.272656	0.00428	1.17
8053406	NM_017750	RETSAT	NM_017750 // RETSAT // retinol saturase (all-trans-retinol 13,14-reductase) // 2	0.955257	0.06286	0.11373	0.004287	-1.17
8144726	NM_006765	TUSC3	NM_006765 // TUSC3 // tumor suppressor candidate 3 // 8p22 // 7991 /// NM_178234	0.903863	0.207415	0.43587	0.004293	1.20
7942267	NM_001012710	KRTAP5-10	NM_001012710 // KRTAP5-10 // keratin associated protein 5-10 // 11q13.4 // 38727	0.945283	0.942683	0.122657	0.004295	-1.21
8165694	---		---	0.110471	0.916156	0.0439017	0.004308	-1.65
7911335	---		---	0.110471	0.916156	0.0439017	0.004308	-1.65
8101952	NM_145244	DDIT4L	NM_145244 // DDIT4L // DNA-damage-inducible transcript 4-like // 4q24 // 115265	0.541864	0.870885	0.157335	0.004316	1.18
8132347	NM_181791	GPR141	NM_181791 // GPR141 // G protein-coupled receptor 141 // 7p14.1 // 353345 /// EN	0.419715	0.979441	0.457373	0.004319	-1.26
8120961	NM_138409	MRAP2	NM_138409 // MRAP2 // melanocortin 2 receptor accessory protein 2 // 6q14.2 // 1	0.622364	0.318033	0.467858	0.004332	1.17

7903203	NR_033716	SNX7	NR_033716 // SNX7 // sorting nexin 7 // 1p21.3 // 51375 /// NM_015976 // SNX7 //	0.532424	0.124436	0.489208	0.004333	1.21
8098328	NM_017423	GALNT7	NM_017423 // GALNT7 // UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylga	0.364389	0.085317	0.0697635	0.004357	1.20
8092970	NM_001647	APOD	NM_001647 // APOD // apolipoprotein D // 3q26.2-qter // 347 /// ENST00000343267	0.456654	0.884227	0.65978	0.004361	-1.44
8177725	NM_002127	HLA-G	NM_002127 // HLA-G // major histocompatibility complex, class I, G // 6p21.3 //	0.312833	0.252884	0.43808	0.004362	-1.15
8179034	NM_002127	HLA-G	NM_002127 // HLA-G // major histocompatibility complex, class I, G // 6p21.3 //	0.312833	0.252884	0.43808	0.004362	-1.15
7977270	AK131040	LOC388022	AK131040 // LOC388022 // hypothetical LOC388022 // 14q32.33 // 388022	0.260543	0.825846	0.0979177	0.004369	-1.31
8173673	NM_000489	ATRX	NM_000489 // ATRX // alpha thalassemia/mental retardation syndrome X-linked // X	0.004334	0.104099	0.187784	0.004373	1.15
7985918	---		---	0.300286	0.2502	0.0777775	0.004379	1.19
7909745	NM_016121	KCTD3	NM_016121 // KCTD3 // potassium channel tetramerisation domain containing 3 // 1	0.046545	0.223614	0.295757	0.004381	-1.15
8014269	NM_139285	GAS2L2	NM_139285 // GAS2L2 // growth arrest-specific 2 like 2 // 17q12 // 246176 /// EN	0.251948	0.292478	0.718447	0.00439	1.20
8146756	NM_024790	CSPP1	NM_024790 // CSPP1 // centrosome and spindle pole associated protein 1 // 8q13.2	0.091472	0.111385	0.695602	0.004395	1.30
7936439	NM_001001936	AFAP1L2	NM_001001936 // AFAP1L2 // actin filament associated protein 1-like 2 // 10q25.3	0.564157	0.189838	0.0909521	0.004397	1.14

7906786	NM_001184866	FCRLA	NM_001184866 // FCRLA // Fc receptor-like A // 1q23.3 // 84824 /// NM_032738 //	0.249082	0.430826	0.705991	0.004403	1.31
7930561	NM_004132	HABP2	NM_004132 // HABP2 // hyaluronan binding protein 2 // 10q25.3 // 3026 /// NM_001	0.304706	0.669751	0.0009748	0.004419	1.24
8132660	NM_005856	RAMP3	NM_005856 // RAMP3 // receptor (G protein-coupled) activity modifying protein 3	0.727113	0.020498	0.75174	0.004422	-1.21
8095376	NM_005953	MT2A	NM_005953 // MT2A // metallothionein 2A // 16q13 // 4502 /// ENST00000245185 //	0.008898	0.259862	0.568477	0.004443	-1.33
8102482	NM_014822	SEC24D	NM_014822 // SEC24D // SEC24 family, member D (S. cerevisiae) // 4q26 // 9871 //	0.048975	0.09976	0.948678	0.004449	1.17
8111127	NM_001102562	11-Mar	NM_001102562 // MARCH11 // membrane-associated ring finger (C3HC4) 11 // 5p15.1	0.381588	0.465585	0.46413	0.004449	-1.15
8145603	NM_006228	PNOC	NM_006228 // PNOC // prepronociceptin // 8p21 // 5368 /// ENST00000301908 // PNO	0.668657	0.187481	0.808278	0.004455	1.18
7912994	NM_001136265	IFFO2	NM_001136265 // IFFO2 // intermediate filament family orphan 2 // 1p36.13 // 126	0.41705	0.963922	0.873089	0.004458	1.17
8084917	AK128346	LOC440993	AK128346 // LOC440993 // hypothetical LOC440993 // 3q29 // 440993	0.030134	0.808135	0.643496	0.004462	-1.31
7917052	NM_152697	SLC44A5	NM_152697 // SLC44A5 // solute carrier family 44, member 5 // 1p31.1 // 204962 /	0.941932	0.352452	0.902268	0.004473	1.37
8162059	NM_022127	SLC28A3	NM_022127 // SLC28A3 // solute carrier family 28 (sodium-coupled nucleoside tran	0.316064	0.400177	0.0276478	0.004476	1.28

8047487	NM_003507	FZD7	NM_003507 // FZD7 // frizzled homolog 7 (Drosophila) // 2q33 // 8324 /// ENST000	0.409303	0.073256	0.437311	0.004491	1.18
8098326	---		---	0.309212	0.699495	0.410699	0.004494	1.24
7910611	NM_002245	KCNK1	NM_002245 // KCNK1 // potassium channel, subfamily K, member 1 // 1q42-q43 // 37	0.026891	0.286359	0.348585	0.004495	1.22
8107204	---		---	0.100428	0.833462	0.0141341	0.0045	-1.46
8078380	NM_001137674	ZNF860	NM_001137674 // ZNF860 // zinc finger protein 860 // 3p23 // 344787 /// ENST0000	0.822131	0.145796	0.415857	0.004505	1.21
8095680	NM_000584	IL8	NM_000584 // IL8 // interleukin 8 // 4q13-q21 // 3576 /// ENST00000307407 // IL8	0.01672	0.158368	0.146519	0.004514	1.46
8019046	NM_014740	EIF4A3	NM_014740 // EIF4A3 // eukaryotic translation initiation factor 4A3 // 17q25.3 /	0.001213	0.019577	0.810367	0.00452	-1.17
7917514	---		---	0.355619	0.086713	0.184647	0.00452	1.18
7914550	NM_178547	ZBTB8OS	NM_178547 // ZBTB8OS // zinc finger and BTB domain containing 8 opposite strand	0.549392	0.000878	0.614086	0.004525	-1.18
8131550	NM_001112706	SCIN	NM_001112706 // SCIN // scinderin // 7p21.3 // 85477 /// NM_033128 // SCIN // sc	0.621311	0.174313	0.898273	0.004538	-1.23
8069505	BX648100	C21orf15	BX648100 // C21orf15 // chromosome 21 open reading frame 15 // 21q11 // 54094	0.070345	0.914638	0.412388	0.004554	1.26
8081067	NM_000866	HTR1F	NM_000866 // HTR1F // 5-hydroxytryptamine (serotonin) receptor 1F // 3p12 // 335	0.005287	0.872754	0.347697	0.004561	1.15
8054769	AY427952	PS1TP4	AY427952 // PS1TP4 // HBV preS1-transactivated protein 4 // --- // 414327	0.029773	0.953642	0.547666	0.004571	-1.16

7961546	NM_004447	EPS8	NM_004447 // EPS8 // epidermal growth factor receptor pathway substrate 8 // 12p	0.417874	0.334475	0.157262	0.004572	1.17
8149534	NM_004315	ASAH1	NM_004315 // ASAH1 // N-acylsphingosine amidohydrolase (acid ceramidase) 1 // 8p	0.865599	0.392718	0.0773309	0.004574	-1.15
8175924	NM_003491	NAA10	NM_003491 // NAA10 // N(alpha)-acetyltransferase 10, NatA catalytic subunit // X	0.005593	0.220913	0.784695	0.004588	-1.14
8108180	---		---	0.058207	0.894988	0.0476069	0.004593	-1.39
8155600	---		---	0.915914	0.462181	0.0023708	0.0046	-1.21
8155598	---		---	0.915914	0.462181	0.0023708	0.0046	-1.21
8128934	---		---	0.117429	0.089914	0.429288	0.004612	1.18
7916969	NM_005455	ZRANB2	NM_005455 // ZRANB2 // zinc finger, RAN-binding domain containing 2 // 1p31 // 9	0.016806	0.03527	0.892791	0.004613	1.15
7927936	NM_004728	DDX21	NM_004728 // DDX21 // DEAD (Asp-Glu-Ala-Asp) box polypeptide 21 // 10q21 // 9188	0.002963	0.353656	0.596781	0.004616	-1.26
7940372	NM_024092	TMEM109	NM_024092 // TMEM109 // transmembrane protein 109 // 11q12.2 // 79073 /// ENST00	0.64013	0.134598	0.17555	0.004617	-1.16
7975203	NM_022474	MPP5	NM_022474 // MPP5 // membrane protein, palmitoylated 5 (MAGUK p55 subfamily memb	0.012314	0.439735	0.71636	0.004642	-1.16
8029580	NM_006509	RELB	NM_006509 // RELB // v-rel reticuloendotheliosis viral oncogene homolog B // 19q	4.37E-05	0.302112	0.415181	0.004647	1.24
8149071	NM_001147	ANGPT2	NM_001147 // ANGPT2 // angiopoietin 2 // 8p23.1 // 285 /// NM_001118887 // ANGPT	0.183837	0.98332	0.0727523	0.004658	1.42
8074869	NM_014433	RTDR1	NM_014433 // RTDR1 // rhabdoid tumor deletion region gene 1 // 22q11.2 // 27156	0.396539	0.344466	0.973146	0.004666	1.24

8052526	NM_003400	XPO1	NM_003400 // XPO1 // exportin 1 (CRM1 homolog, yeast) // 2p16 // 7514 /// ENST00	0.614721	0.025454	0.54965	0.004669	1.15
7976726	NM_016337	EVL	NM_016337 // EVL // Enah/Vasp-like // 14q32.2 // 51466 /// ENST00000392920 // EV	0.963348	0.241971	0.540841	0.00467	1.14
7971388	NM_001010875	SLC25A30	NM_001010875 // SLC25A30 // solute carrier family 25, member 30 // 13q14.13 // 2	0.016823	0.808636	0.177408	0.004684	-1.20
8159803	NR_026818	FAM138A	NR_026818 // FAM138A // family with sequence similarity 138, member A // 1p36.33	0.949678	0.899916	0.0027008	0.004684	-1.22
8083301	NM_004617	TM4SF4	NM_004617 // TM4SF4 // transmembrane 4 L six family member 4 // 3q25 // 7104 ///	0.285766	0.663497	0.620943	0.004686	-1.10
8176644	NM_004202	TMSB4Y	NM_004202 // TMSB4Y // thymosin beta 4, Y-linked // Yq11.221 // 9087 /// ENST000	0.962779	5.85E-26	0.243336	0.004688	1.13
7920297	NM_020672	S100A14	NM_020672 // S100A14 // S100 calcium binding protein A14 // 1q21.3 // 57402 ///	0.023735	0.116725	0.873796	0.004693	-1.23
8052585	NM_198276	TMEM17	NM_198276 // TMEM17 // transmembrane protein 17 // 2p15 // 200728 /// ENST000003	0.360636	0.971994	0.904011	0.004701	1.15
8031726	NM_020657	ZNF304	NM_020657 // ZNF304 // zinc finger protein 304 // 19q13.4 // 57343 /// ENST00000	0.051547	0.737268	0.135688	0.004706	-1.15
7966223	---		---	0.143284	0.906466	0.643404	0.004712	-1.20
8055348	---		---	0.014167	0.065982	0.320838	0.004714	-1.21
8081612	NM_018394	ABHD10	NM_018394 // ABHD10 // abhydrolase domain containing 10 // 3q13.2 // 55347 /// E	0.039643	0.683436	0.319542	0.004714	1.14

8064471	NM_006065	SIRPB1	NM_006065 // SIRPB1 // signal-regulatory protein beta 1 // 20p13 // 10326 /// NM	0.162764	0.351675	0.0259619	0.004718	-1.33
8021453	NM_033280	SEC11C	NM_033280 // SEC11C // SEC11 homolog C (S. cerevisiae) // 18q21.32 // 90701 ///	0.390661	0.122471	0.914964	0.004731	1.23
7956443	NM_004990	MARS	NM_004990 // MARS // methionyl-tRNA synthetase // 12q13.2 // 4141 /// ENST000002	0.025473	0.320206	0.435912	0.004735	-1.15
8086799	NM_006574	CSPG5	NM_006574 // CSPG5 // chondroitin sulfate proteoglycan 5 (neuroglycan C) // 3p21	0.000352	0.588062	0.678203	0.004738	-1.21
7901187	NM_001013615	C1orf190	NM_001013615 // C1orf190 // chromosome 1 open reading frame 190 // 1p34 // 54146	0.343708	0.596619	0.406761	0.004757	1.17
8030866	NM_002030	FPR3	NM_002030 // FPR3 // formyl peptide receptor 3 // 19q13.3-q13.4 // 2359 /// ENST	0.092818	0.222853	0.157474	0.004776	1.38
8152819	---		---	0.245761	0.60005	0.312921	0.004783	1.19
7937037	---		---	0.244915	0.190045	0.155937	0.004787	-1.14
8001658	NM_013242	C16orf80	NM_013242 // C16orf80 // chromosome 16 open reading frame 80 // 16q21 // 29105 /	0.265177	0.864981	0.576281	0.004792	1.18
7984686	NM_033028	BBS4	NM_033028 // BBS4 // Bardet-Biedl syndrome 4 // 15q22.3-q23 // 585 /// ENST00000	0.023087	0.049624	0.870534	0.004801	1.18
7968734	NM_014252	SLC25A15	NM_014252 // SLC25A15 // solute carrier family 25 (mitochondrial carrier; ornith	0.062558	0.659868	0.85653	0.004802	-1.16
8176568	---		---	0.07645	0.260398	0.424992	0.004826	1.18
8030374	NM_004107	FCGRT	NM_004107 // FCGRT // Fc fragment of IgG, receptor, transporter, alpha // 19q13.	0.43865	0.34415	0.440048	0.004835	-1.14

8040090	NM_014746	RNF144A	NM_014746 // RNF144A // ring finger protein 144A // 2p25.2 // 9781 /// ENST00000	0.132227	0.567563	0.472489	0.00485	-1.16
8114805	NM_000800	FGF1	NM_000800 // FGF1 // fibroblast growth factor 1 (acidic) // 5q31 // 2246 /// NM_	0.675002	0.499522	0.674298	0.004853	1.13
8055872	NM_000726	CACNB4	NM_000726 // CACNB4 // calcium channel, voltage-dependent, beta 4 subunit // 2q2	0.090191	0.746096	0.287475	0.004857	-1.14
8019486	NM_003004	SECTM1	NM_003004 // SECTM1 // secreted and transmembrane 1 // 17q25 // 6398 /// ENST000	0.130517	0.874625	0.951031	0.004861	-1.18
8047217	NM_025147	COQ10B	NM_025147 // COQ10B // coenzyme Q10 homolog B (S. cerevisiae) // 2q33.1 // 80219	0.386795	0.795921	0.0446872	0.004865	-1.19
8019851	NM_001099733	ADCYAP1	NM_001099733 // ADCYAP1 // adenylate cyclase activating polypeptide 1 (pituitary	0.709571	0.84833	0.867987	0.004867	1.25
8086352	NM_017886	ULK4	NM_017886 // ULK4 // unc-51-like kinase 4 (C. elegans) // 3p22.1 // 54986 /// EN	0.121813	0.397966	0.583198	0.004886	1.30
8140579	NM_000722	CACNA2D1	NM_000722 // CACNA2D1 // calcium channel, voltage-dependent, alpha 2/delta subun	0.005579	0.729515	0.598752	0.004902	1.19
8151871	NM_057749	CCNE2	NM_057749 // CCNE2 // cyclin E2 // 8q22.1 // 9134 /// ENST00000308108 // CCNE2 /	0.0371	0.37882	0.170426	0.004932	1.18
8023656	NM_002035	KDSR	NM_002035 // KDSR // 3-ketodihydrosphingosine reductase // 18q21.3 // 2531 /// E	0.349626	0.349793	0.0125713	0.004937	-1.14
7973936	NM_002791	PSMA6	NM_002791 // PSMA6 // proteasome (prosome, macropain) subunit, alpha type, 6 //	0.075874	0.570537	0.490465	0.00494	-1.17

8120992	NM_015021	ZNF292	NM_015021 // ZNF292 // zinc finger protein 292 // 6q14.3 // 23036 /// ENST000003	0.000507	0.302611	0.976033	0.004945	1.14
8001816	AK130753	FLJ27243	AK130753 // FLJ27243 // FLJ27243 protein // 16q21 // 400539	0.836773	0.277688	0.159711	0.004987	-1.18
8179238	NM_000247	MICA	NM_000247 // MICA // MHC class I polypeptide-related sequence A // 6p21.33 // 10	0.322445	0.593177	0.0797342	0.004992	-1.20
8107129	AF119865	SLCO4C1	AF119865 // SLCO4C1 // solute carrier organic anion transporter family, member 4	0.561614	0.853403	0.820085	0.005002	-1.34
8126035	NM_020939	CPNE5	NM_020939 // CPNE5 // copine V // 6p21.1 // 57699 /// ENST00000244751 // CPNE5 /	0.391564	0.800918	0.656083	0.005003	1.17
8166059	NM_016562	TLR7	NM_016562 // TLR7 // toll-like receptor 7 // Xp22.3 // 51284 /// ENST00000380659	0.530918	0.830755	0.239234	0.00502	1.33
8142770	---		---	0.166225	0.101557	0.207833	0.005022	-1.16
8086008	NM_016141	DYNC1LI1	NM_016141 // DYNC1LI1 // dynein, cytoplasmic 1, light intermediate chain 1 // 3p	0.995837	0.13495	0.765756	0.005026	-1.14
8059279	NM_004438	EPHA4	NM_004438 // EPHA4 // EPH receptor A4 // 2q36.1 // 2043 /// ENST00000281821 // E	0.747102	0.093168	0.17027	0.005028	1.19
8089928	---		---	0.957331	0.668077	0.507844	0.005028	-1.24
8054395	NM_025076	UXS1	NM_025076 // UXS1 // UDP-glucuronate decarboxylase 1 // 2q12.2 // 80146 /// ENST	0.223598	0.184958	0.114568	0.005032	-1.16
8161503	NR_024060	FAM27A	NR_024060 // FAM27A // family with sequence similarity 27, member A // 9q12 // 5	0.580508	0.122699	0.0117868	0.005037	1.14
7910134	NM_031944	MIXL1	NM_031944 // MIXL1 // Mix1 homeobox-like 1 (Xenopus laevis) // 1q42.12 // 83881	0.508025	0.91964	0.664821	0.00504	1.15

7905339	NM_144618	GABPB2	NM_144618 // GABPB2 // GA binding protein transcription factor, beta subunit 2 /	0.003211	0.066047	0.507114	0.005048	1.15
8130628	NM_020133	AGPAT4	NM_020133 // AGPAT4 // 1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosp	0.801605	0.694063	0.843042	0.005049	1.14
8154178	NM_004972	JAK2	NM_004972 // JAK2 // Janus kinase 2 // 9p24 // 3717 /// ENST00000381652 // JAK2	0.012576	0.188465	0.244451	0.005058	-1.20
7955606	NM_021934	C12orf44	NM_021934 // C12orf44 // chromosome 12 open reading frame 44 // 12q13.13 // 6067	0.000902	0.397915	0.546606	0.005091	-1.14
8116484	NM_001114618	MGAT1	NM_001114618 // MGAT1 // mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglu	0.072943	0.338384	0.506548	0.005095	-1.15
7944185	NM_000073	CD3G	NM_000073 // CD3G // CD3g molecule, gamma (CD3-TCR complex) // 11q23 // 917 ///	0.067351	0.950086	0.557794	0.005099	1.31
8127534	NM_138441	C6orf150	NM_138441 // C6orf150 // chromosome 6 open reading frame 150 // 6q13 // 115004 /	0.214849	0.072569	0.0462218	0.005102	1.22
7958056	NM_017564	STAB2	NM_017564 // STAB2 // stabilin 2 // 12q23.3 // 55576 /// ENST00000388887 // STAB	0.714632	0.452275	0.706784	0.005118	1.27
8022655	NM_001650	AQP4	NM_001650 // AQP4 // aquaporin 4 // 18q11.2-q12.1 // 361 /// NM_004028 // AQP4 /	0.681059	0.363082	0.372616	0.005126	-1.39
8089082	NM_080927	DCBLD2	NM_080927 // DCBLD2 // discoidin, CUB and LCCL domain containing 2 // 3q12.1|3 /	0.346731	0.936734	0.156481	0.005127	1.15
8069689	NM_007038	ADAMTS5	NM_007038 // ADAMTS5 // ADAM metallopeptidase with thrombospondin type 1 motif,	0.643226	0.000804	0.255134	0.005146	1.25

7990774	NM_002891	RASGRF1	NM_002891 // RASGRF1 // Ras protein-specific guanine nucleotide-releasing factor	0.374123	0.340712	0.0541181	0.00516	-1.18
7932214	NM_001039844	ACBD7	NM_001039844 // ACBD7 // acyl-CoA binding domain containing 7 // 10p13 // 414149	0.42747	0.229584	0.951996	0.005181	1.16
7918134	NM_004038	AMY1A	NM_004038 // AMY1A // amylase, alpha 1A (salivary) // 1p21 // 276 /// NM_0010082	0.533166	0.898284	0.539882	0.005196	1.33
7903425	NM_004038	AMY1A	NM_004038 // AMY1A // amylase, alpha 1A (salivary) // 1p21 // 276 /// NM_0010082	0.533165	0.898283	0.539881	0.005196	1.33
7903440	NM_004038	AMY1A	NM_004038 // AMY1A // amylase, alpha 1A (salivary) // 1p21 // 276 /// NM_0010082	0.533165	0.898283	0.539881	0.005196	1.33
8073682	NM_022141	PARVG	NM_022141 // PARVG // parvin, gamma // 22q13.31 // 64098 /// NM_001137605 // PAR	0.850421	0.555898	0.271708	0.005203	-1.20
7992887	AK093979	ZNF75A	AK093979 // ZNF75A // zinc finger protein 75a // 16p13.11 // 7627 /// BC150306 /	0.484285	0.021157	0.436793	0.005215	-1.14
8107113	---		---	0.218992	0.75666	0.0135042	0.005228	-1.19
7909527	---		---	0.009067	0.156944	0.876991	0.005234	-1.15
8037657	NM_004409	DMPK	NM_004409 // DMPK // dystrophia myotonica-protein kinase // 19q13.3 // 1760 ///	0.115548	0.85766	0.526218	0.005248	-1.15
7984660	---		---	0.071149	0.158534	0.475193	0.005249	1.16
8043413	NM_144563	RPIA	NM_144563 // RPIA // ribose 5-phosphate isomerase A // 2p11.2 // 22934 /// ENST0	0.055441	0.07267	0.635796	0.005254	-1.14
7905481	---		---	0.361228	0.771098	0.26515	0.005255	1.21
8074606	NM_017414	USP18	NM_017414 // USP18 // ubiquitin specific peptidase 18 // 22q11.21 // 11274 /// E	0.472878	0.450864	0.730119	0.005266	1.21

8042066	NM_080667	CCDC104	NM_080667 // CCDC104 // coiled-coil domain containing 104 // 2p16.1 // 112942 //	0.27618	0.172927	0.89797	0.005277	1.20
7946439	NM_020644	TMEM9B	NM_020644 // TMEM9B // TMEM9 domain family, member B // 11p15.3 // 56674 /// ENS	0.952159	0.431629	0.933295	0.005283	-1.15
8148565	NM_002066	GML	NM_002066 // GML // glycosylphosphatidylinositol anchored molecule like protein	0.461131	0.389869	0.0185529	0.005286	-1.14
8147447	NM_014754	PTDSS1	NM_014754 // PTDSS1 // phosphatidylserine synthase 1 // 8q22 // 9791 /// ENST000	0.338073	0.8031	0.0527951	0.005289	-1.16
8085138	NM_000916	OXTR	NM_000916 // OXTR // oxytocin receptor // 3p25 // 5021 /// ENST00000316793 // OX	0.863268	0.359948	0.852221	0.005304	1.19
7977249	NM_022489	INF2	NM_022489 // INF2 // inverted formin, FH2 and WH2 domain containing // 14q32.33	0.66528	0.139064	0.99317	0.005306	-1.13
7933437	NM_001042389	PTPN20A	NM_001042389 // PTPN20A // protein tyrosine phosphatase, non-receptor type 20A /	0.027992	0.016876	0.415414	0.005307	1.34
8161017	NM_014450	SIT1	NM_014450 // SIT1 // signaling threshold regulating transmembrane adaptor 1 // 9	0.504301	0.945845	0.0801249	0.005314	1.18
8107330	NM_001127510	APC	NM_001127510 // APC // adenomatous polyposis coli // 5q21-q22 // 324 /// NM_0000	0.014573	0.501854	0.069264	0.005325	-1.16
8174379	NM_002814	PSMD10	NM_002814 // PSMD10 // proteasome (prosome, macropain) 26S subunit, non-ATPase,	0.297598	0.466941	0.235718	0.005332	1.16
8026300	NM_078481	CD97	NM_078481 // CD97 // CD97 molecule // 19p13 // 976 /// NM_001025160 // CD97 // C	0.297367	0.206787	0.765379	0.005336	-1.20

8058258	NM_152388	ALS2CR4	NM_152388 // ALS2CR4 // amyotrophic lateral sclerosis 2 (juvenile) chromosome re	0.222186	0.965189	0.847188	0.005342	1.14
8130499	NM_006519	DYNLT1	NM_006519 // DYNLT1 // dynein, light chain, Tctex-type 1 // 6q25.2-q25.3 // 6993	0.078277	0.934192	0.168949	0.005366	1.24
8162777	NM_005458	GABBR2	NM_005458 // GABBR2 // gamma-aminobutyric acid (GABA) B receptor, 2 // 9q22.1-q2	0.102756	0.656211	0.382034	0.005366	1.24
8094938	NM_207330	NIPAL1	NM_207330 // NIPAL1 // NIPA-like domain containing 1 // 4p12 // 152519 /// ENST0	0.007712	0.422437	0.355357	0.005372	1.14
8109001	NM_001127698	SPINK5	NM_001127698 // SPINK5 // serine peptidase inhibitor, Kazal type 5 // 5q32 // 11	0.022132	0.553179	0.265715	0.005376	1.21
8123884	NR_026737	C6orf52	NR_026737 // C6orf52 // chromosome 6 open reading frame 52 // 6p24.1 // 347744 /	0.348048	0.04079	0.820861	0.005388	1.17
8162940	NM_005502	ABCA1	NM_005502 // ABCA1 // ATP-binding cassette, sub-family A (ABC1), member 1 // 9q3	0.556965	0.23998	0.915212	0.00539	-1.22
7901314	---		---	0.802969	0.439275	0.102705	0.005394	-1.18
8076690	NM_001009880	C22orf9	NM_001009880 // C22orf9 // chromosome 22 open reading frame 9 // 22q13.31 // 233	0.018781	0.140541	0.724915	0.005412	1.14
8013741	NM_006923	SDF2	NM_006923 // SDF2 // stromal cell-derived factor 2 // 17q11.2 // 6388 /// ENST00	0.033955	0.05489	0.790909	0.005416	-1.14
8146544	NM_001077619	UBXN2B	NM_001077619 // UBXN2B // UBX domain protein 2B // 8q12.1 // 137886 /// ENST0000	0.772113	0.454786	0.0326037	0.005423	-1.17
8165680	---		---	0.112896	0.559764	0.078686	0.005429	-1.43

8022711	NM_024422	DSC2	NM_024422 // DSC2 // desmocollin 2 // 18q12.1 // 1824 /// NM_004949 // DSC2 // d	0.1805	0.789206	0.0007752	0.00543	-1.21
8142687	NM_005302	GPR37	NM_005302 // GPR37 // G protein-coupled receptor 37 (endothelin receptor type B-	0.0621	0.677463	0.0118118	0.00543	1.15
8178419	NM_005803	FLOT1	NM_005803 // FLOT1 // flotillin 1 // 6p21.3 // 10211 /// ENST00000376389 // FLOT	0.002573	0.609512	0.680794	0.005436	-1.14
8179688	NM_005803	FLOT1	NM_005803 // FLOT1 // flotillin 1 // 6p21.3 // 10211 /// ENST00000376389 // FLOT	0.002573	0.609512	0.680794	0.005436	-1.14
7958842	---		---	0.04338	0.11042	0.0758515	0.005452	1.26
8121838	NM_001003395	TPD52L1	NM_001003395 // TPD52L1 // tumor protein D52-like 1 // 6q22-q23 // 7164 /// NM_0	0.374503	0.39625	0.0770504	0.005482	1.15
7904965	AB042555	PDE4DIP	AB042555 // PDE4DIP // phosphodiesterase 4D interacting protein // 1q12 // 9659	0.006551	0.225813	0.114123	0.005494	-1.25
8120102	NM_012120	CD2AP	NM_012120 // CD2AP // CD2-associated protein // 6p12 // 23607 /// ENST0000035931	0.619273	0.251243	0.262932	0.005495	1.15
7976842	NR_029874	MIR382	NR_029874 // MIR382 // microRNA 382 // 14q32.31 // 494331	0.501125	0.506675	0.0044278	0.005499	-1.27
8171896	NM_025159	CXorf21	NM_025159 // CXorf21 // chromosome X open reading frame 21 // Xp21.2 // 80231 //	0.745536	0.674131	0.936361	0.005546	1.22
8031629	ENST00000376267	ZSCAN5C	ENST00000376267 // ZSCAN5C // zinc finger and SCAN domain containing 5C // 19q13	0.078396	0.538728	0.0701534	0.005562	-1.14
8045860	NM_003628	PKP4	NM_003628 // PKP4 // plakophilin 4 // 2q24.1 // 8502 /// NM_001005476 // PKP4 //	0.045385	0.985766	0.290681	0.005572	1.16

8148548	NM_005672	PSCA	NM_005672 // PSCA // prostate stem cell antigen // 8q24.2 // 8000 /// NR_033343	0.185104	0.249019	0.915172	0.005608	1.16
8139840	NM_001007253	ERV3	NM_001007253 // ERV3 // endogenous retroviral sequence 3 // 7p12-q11|7q11.2 // 2	0.959782	0.159148	0.511692	0.005622	1.22
8152902	NM_001115	ADCY8	NM_001115 // ADCY8 // adenylate cyclase 8 (brain) // 8q24 // 114 /// ENST0000028	0.224198	0.389504	0.0808935	0.005654	-1.16
8126296	NR_027256	TREML3	NR_027256 // TREML3 // triggering receptor expressed on myeloid cells-like 3 //	0.020018	0.501442	0.0475208	0.005659	-1.13
8103986	NM_018409	LRP2BP	NM_018409 // LRP2BP // LRP2 binding protein // 4q35.1 // 55805 /// ENST000003285	0.29761	0.44182	0.764454	0.00567	1.26
7954810	NM_198578	LRRK2	NM_198578 // LRRK2 // leucine-rich repeat kinase 2 // 12q12 // 120892 /// ENST00	0.876363	0.447625	0.452928	0.005678	-1.57
8129558	NM_030908	OR2A4	NM_030908 // OR2A4 // olfactory receptor, family 2, subfamily A, member 4 // 6q2	0.019602	0.353598	0.326508	0.005681	-1.32
8101013	NM_015436	RCHY1	NM_015436 // RCHY1 // ring finger and CHY zinc finger domain containing 1 // 4q2	0.178589	0.275801	0.95085	0.005684	-1.17
8037788	NM_145056	DACT3	NM_145056 // DACT3 // dapper, antagonist of beta-catenin, homolog 3 (Xenopus lae	0.713012	0.441786	0.778525	0.005685	1.14
7934810	---		---	0.769439	0.86039	0.0323182	0.005688	-1.14
8123606	NR_033851	MGC39372	NR_033851 // MGC39372 // serpin peptidase inhibitor, clade B (ovalbumin), member	0.154229	0.49744	0.254615	0.005691	1.36
8139943	NR_003666	SPDYE7P	NR_003666 // SPDYE7P // speedy homolog E7 (Xenopus laevis), pseudogene // 7q11.2	0.917213	0.857338	0.0455496	0.005708	-1.20

8084092	NM_002492	NDUFB5	NM_002492 // NDUFB5 // NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16k	0.611743	0.123328	0.245704	0.005709	1.13
7984259	NR_002757	RNU5B-1	NR_002757 // RNU5B-1 // RNA, U5B small nuclear 1 // 15q22.31 // 26832	0.515738	0.375935	0.334336	0.005729	1.25
7913154	---		---	0.062065	0.520302	0.361474	0.005738	1.13
8065421	NM_001900	CST5	NM_001900 // CST5 // cystatin D // 20p11.21 // 1473 /// ENST00000304710 // CST5	0.33111	0.049311	0.0460279	0.005744	1.15
8161829	BC034033	C9orf41	BC034033 // C9orf41 // chromosome 9 open reading frame 41 // 9q21.13 // 138199 /	0.775434	0.127447	0.981372	0.00575	1.17
8097753	NM_001040261	DCLK2	NM_001040261 // DCLK2 // doublecortin-like kinase 2 // 4q31.3 // 166614 /// NR_0	0.494895	0.349912	0.733951	0.005757	1.15
8104663	NM_004932	CDH6	NM_004932 // CDH6 // cadherin 6, type 2, K-cadherin (fetal kidney) // 5p13.3 //	0.05574	0.648051	0.150207	0.005792	1.27
7914500	AF258548	C1orf91	AF258548 // C1orf91 // chromosome 1 open reading frame 91 // 1p36.11-p34.2 // 56	0.693214	0.095415	0.0012251	0.005793	1.13
7956401	NM_005412	SHMT2	NM_005412 // SHMT2 // serine hydroxymethyltransferase 2 (mitochondrial) // 12q12	0.011283	0.888528	0.655108	0.005821	-1.19
8097435	NM_173487	C4orf33	NM_173487 // C4orf33 // chromosome 4 open reading frame 33 // 4q28.2 // 132321 /	0.925211	0.114509	0.526391	0.005833	1.15
8072926	NM_005318	H1F0	NM_005318 // H1F0 // H1 histone family, member 0 // 22q13.1 // 3005 /// ENST0000	0.158771	0.821773	0.56443	0.005834	-1.17
7979031	---		---	0.751065	0.046084	0.501646	0.005857	1.17
8149320	AJ291676	LOC157740	AJ291676 // LOC157740 // hypothetical protein C8orf9 // 8p23.1 // 157740	0.315365	0.994155	0.4761	0.005858	-1.14

7974870	NM_003082	SNAPC1	NM_003082 // SNAPC1 // small nuclear RNA activating complex, polypeptide 1, 43kD	0.843593	0.006128	0.823706	0.005878	1.20
7932530	NM_005028	PIP4K2A	NM_005028 // PIP4K2A // phosphatidylinositol-5-phosphate 4-kinase, type II, alph	0.505446	0.525565	0.373298	0.005883	-1.15
7923034	NM_003783	B3GALT2	NM_003783 // B3GALT2 // UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polyp	0.000301	0.726837	0.261587	0.005885	-1.33
8134777	NM_024070	PVRIG	NM_024070 // PVRIG // poliovirus receptor related immunoglobulin domain containi	0.384887	0.950644	0.0321543	0.005889	1.15
8105607	NM_001164442	FAM159B	NM_001164442 // FAM159B // family with sequence similarity 159, member B // 5q12	0.464598	0.759054	0.9136	0.005892	1.15
7982339	AK097050	LOC1001308	AK097050 // LOC100130857 // hypothetical protein LOC100130857 // 15q13.3 // 1001	0.377065	0.890653	0.109422	0.0059	-1.16
7909478	NM_014388	C1orf107	NM_014388 // C1orf107 // chromosome 1 open reading frame 107 // 1q32.2 // 27042	0.442721	0.25493	0.441567	0.005923	1.15
8037197	NM_198477	CXCL17	NM_198477 // CXCL17 // chemokine (C-X-C motif) ligand 17 // 19q13.2 // 284340 //	0.103194	0.891571	0.509462	0.005967	1.27
7960757	NM_016546	C1RL	NM_016546 // C1RL // complement component 1, r subcomponent-like // 12p13.31 //	0.619347	0.926266	0.95138	0.005975	-1.17
8101957	NM_016242	EMCN	NM_016242 // EMCN // endomucin // 4q24 // 51705 /// NM_001159694 // EMCN // endo	0.074669	0.511538	0.0071918	0.005978	-1.39
8112428	NM_005582	CD180	NM_005582 // CD180 // CD180 molecule // 5q12 // 4064 /// ENST00000256447 // CD18	0.015042	0.460893	0.912237	0.005992	1.36

8094228	NM_004334	BST1	NM_004334 // BST1 // bone marrow stromal cell antigen 1 // 4p15 // 683 /// ENST0	0.156269	0.791617	0.879916	0.005994	-1.17
7952022	NM_001098526	AMICA1	NM_001098526 // AMICA1 // adhesion molecule, interacts with CXADR antigen 1 // 1	0.704776	0.507677	0.147172	0.005998	-1.35
8072705	NM_014310	RASD2	NM_014310 // RASD2 // RASD family, member 2 // 22q13.1 // 23551 /// ENST00000216	0.668305	0.106701	0.850418	0.006003	1.15
7940253	NM_139249	MS4A6E	NM_139249 // MS4A6E // membrane-spanning 4-domains, subfamily A, member 6E // 11	0.019355	0.096168	0.252333	0.006026	1.26
8045804	---		---	0.092376	0.440492	0.086447	0.006035	-1.62
7932703	NM_145698	ACBD5	NM_145698 // ACBD5 // acyl-CoA binding domain containing 5 // 10p12.1 // 91452 /	0.217976	0.592413	0.24016	0.006044	-1.15
7956269	---		---	0.129391	0.523323	0.661004	0.006047	-1.37
7960559	NR_036467	IFFO1	NR_036467 // IFFO1 // intermediate filament family orphan 1 // 12p13.3 // 25900	0.38264	0.771001	0.374298	0.006054	-1.13
8079407	NM_003965	CCRL2	NM_003965 // CCRL2 // chemokine (C-C motif) receptor-like 2 // 3p21 // 9034 ///	0.09946	0.248009	0.356675	0.006056	-1.21
8055697	NM_198557	RBM43	NM_198557 // RBM43 // RNA binding motif protein 43 // 2q23.3 // 375287 /// ENST0	2.00E-05	0.876368	0.893671	0.006086	1.18
8017688	NM_199340	LRRC37A3	NM_199340 // LRRC37A3 // leucine rich repeat containing 37, member A3 // 17q24.1	0.063351	0.290416	0.435425	0.006115	1.17
7928491	NM_012330	MYST4	NM_012330 // MYST4 // MYST histone acetyltransferase (monocytic leukemia) 4 // 1	1.07E-05	0.457599	0.649821	0.006125	-1.16

7981242	NM_138576	BCL11B	NM_138576 // BCL11B // B-cell CLL/lymphoma 11B (zinc finger protein) // 14q32.2	0.399376	0.49704	0.675537	0.006127	1.18
8033462	NM_206833	CTXN1	NM_206833 // CTXN1 // cortexin 1 // 19p13.2 // 404217 /// ENST00000318978 // CTX	0.692275	0.458516	0.532476	0.006141	1.16
7944049	NM_001040455	SIDT2	NM_001040455 // SIDT2 // SID1 transmembrane family, member 2 // 11q23.3 // 51092	0.85079	0.411295	0.0730384	0.006143	-1.18
8103728	NM_001130688	HMGB2	NM_001130688 // HMGB2 // high-mobility group box 2 // 4q31 // 3148 /// NM_002129	0.989929	0.846614	0.890618	0.006168	-1.17
8030067	NM_004605	SULT2B1	NM_004605 // SULT2B1 // sulfotransferase family, cytosolic, 2B, member 1 // 19q1	0.869562	0.395909	0.380798	0.006178	-1.19
7911017	NM_006642	SDCCAG8	NM_006642 // SDCCAG8 // serologically defined colon cancer antigen 8 // 1q43 //	0.007678	0.153457	0.256306	0.006181	-1.14
8073311	NM_022098	XPNPEP3	NM_022098 // XPNPEP3 // X-prolyl aminopeptidase (aminopeptidase P) 3, putative /	0.639977	0.022136	0.790175	0.006198	1.15
8175360	NM_173470	MMGT1	NM_173470 // MMGT1 // membrane magnesium transporter 1 // Xq26.3 // 93380 /// EN	0.734033	0.912734	0.0061074	0.006209	-1.16
8114363	---		---	0.879978	0.002432	0.145348	0.006209	1.34
8065920	NR_024377	FER1L4	NR_024377 // FER1L4 // fer-1-like 4 (C. elegans) pseudogene // 20q11.22 // 80307	0.984099	0.638831	0.497346	0.006236	1.20
8136727	BC030533	TRBC1	BC030533 // TRBC1 // T cell receptor beta constant 1 // 7q34 // 28639 /// AK0933	0.710004	0.669982	0.377243	0.006238	1.13
8138231	NM_015204	THSD7A	NM_015204 // THSD7A // thrombospondin, type I, domain containing 7A // 7p21.3 //	0.175025	0.176341	0.75215	0.00626	-1.25

8064790	NM_014737	RASSF2	NM_014737 // RASSF2 // Ras association (RalGDS/AF-6) domain family member 2 // 2	0.901695	0.80903	0.558749	0.006265	-1.18
8035795	NM_145297	ZNF626	NM_145297 // ZNF626 // zinc finger protein 626 // 19p12 // 199777 /// NM_0010766	0.164117	0.650472	0.738009	0.006284	1.17
7903414	NM_000699	AMY2A	NM_000699 // AMY2A // amylase, alpha 2A (pancreatic) // 1p21 // 279 /// NM_00403	0.472404	0.926135	0.500099	0.006296	1.38
7997332	NM_001105663	NUDT7	NM_001105663 // NUDT7 // nudix (nucleoside diphosphate linked moiety X)-type mot	0.084563	0.091498	0.896741	0.006304	1.20
8102532	NM_001083	PDE5A	NM_001083 // PDE5A // phosphodiesterase 5A, cGMP-specific // 4q27 // 8654 /// NM	0.000207	0.572586	0.0081802	0.006354	1.28
8001394	NM_001080430	TOX3	NM_001080430 // TOX3 // TOX high mobility group box family member 3 // 16q12.1 /	0.473604	0.537758	0.313399	0.00638	1.20
8029056	NM_001042595	TMEM91	NM_001042595 // TMEM91 // transmembrane protein 91 // 19q13.2 // 641649 /// NM_0	0.013845	0.726573	0.0376305	0.006389	-1.13
8015759	NM_006373	VAT1	NM_006373 // VAT1 // vesicle amine transport protein 1 homolog (T. californica)	0.825547	0.006112	0.177744	0.006399	-1.14
8094408	NM_013367	ANAPC4	NM_013367 // ANAPC4 // anaphase promoting complex subunit 4 // 4p15.2 // 29945 /	0.022661	0.001639	0.375841	0.006399	1.17
8091078	NM_002899	RBP1	NM_002899 // RBP1 // retinol binding protein 1, cellular // 3q23 // 5947 /// NM_	0.071662	0.010916	0.0742486	0.006413	1.15
8168900	NM_017809	NXF2	NM_017809 // NXF2 // nuclear RNA export factor 2 // Xq22.1 // 56001 /// NM_00109	0.841494	0.379301	0.882898	0.006414	1.17

8116128	NR_026921	LOC202181	NR_026921 // LOC202181 // hypothetical LOC202181 // 5q35.3 // 202181 /// AK02162	0.006376	0.122288	0.442324	0.006423	-1.15
8156060	NM_007005	TLE4	NM_007005 // TLE4 // transducin-like enhancer of split 4 (E(sp1) homolog, Drosop	0.014834	0.553078	0.332171	0.006467	-1.14
8065693	NM_031232	NECAB3	NM_031232 // NECAB3 // N-terminal EF-hand calcium binding protein 3 // 20q11.22	0.110301	0.271863	0.866487	0.006471	-1.12
7946635	NM_021211	ZBED5	NM_021211 // ZBED5 // zinc finger, BED-type containing 5 // 11p15.3 // 58486 ///	0.152997	0.159403	0.700727	0.006485	1.16
8035813	NM_003423	ZNF43	NM_003423 // ZNF43 // zinc finger protein 43 // 19p13.1-p12 // 7594 /// ENST0000	0.040976	0.128873	0.245909	0.006488	1.18
7976858	NM_001362	DIO3	NM_001362 // DIO3 // deiodinase, iodothyronine, type III // 14q32 // 1735 /// EN	0.081589	0.030722	0.508931	0.006503	-1.16
8050497	NM_145260	OSR1	NM_145260 // OSR1 // odd-skipped related 1 (Drosophila) // 2p24.1 // 130497 ///	0.471353	0.164749	0.327086	0.006511	1.21
7978201	NM_006156	NEDD8	NM_006156 // NEDD8 // neural precursor cell expressed, developmentally down-regu	0.006383	0.110307	0.898011	0.006557	-1.16
8063028	NM_052951	DNTTIP1	NM_052951 // DNTTIP1 // deoxynucleotidyltransferase, terminal, interacting prote	0.009326	0.218214	0.177571	0.006559	-1.12
8152703	NM_058229	FBXO32	NM_058229 // FBXO32 // F-box protein 32 // 8q24.13 // 114907 /// NM_148177 // FB	0.247421	0.950289	0.989036	0.00656	1.35
8160332	NM_004529	MLLT3	NM_004529 // MLLT3 // myeloid/lymphoid or mixed-lineage leukemia (trithorax homo	0.018393	0.54576	0.469004	0.006572	1.18

8016994	NM_017763	RNF43	NM_017763 // RNF43 // ring finger protein 43 // 17q22 // 54894 /// ENST000004079	0.374244	0.879925	0.979626	0.006579	1.20
7979741	---		---	0.119154	0.725848	0.198599	0.00658	-1.15
7935337	NM_152309	PIK3AP1	NM_152309 // PIK3AP1 // phosphoinositide-3-kinase adaptor protein 1 // 10q24.1 /	0.220324	0.558114	0.2485	0.006587	-1.28
8101366	NM_001037582	SCD5	NM_001037582 // SCD5 // stearoyl-CoA desaturase 5 // 4q21.22 // 79966 /// NM_024	0.16062	0.49107	0.503587	0.006592	1.15
8117225	NM_015895	GMNN	NM_015895 // GMNN // geminin, DNA replication inhibitor // 6p22.3 // 51053 /// E	0.631444	0.969326	0.457514	0.006601	1.18
8013517	---		---	0.197218	0.534981	0.0056686	0.006606	-1.16
7984263	NM_016395	PTPLAD1	NM_016395 // PTPLAD1 // protein tyrosine phosphatase-like A domain containing 1	0.914404	0.4528	0.0762231	0.006614	1.14
8073242	NM_000026	ADSL	NM_000026 // ADSL // adenylosuccinate lyase // 22q13.1|22q13.2 // 158 /// NM_001	0.007604	0.91976	0.389657	0.006643	-1.14
8155497	NR_027421	FAM27C	NR_027421 // FAM27C // family with sequence similarity 27, member C // 9p11.2 //	0.484458	0.149265	0.0133747	0.006665	1.14
8020183	NM_014214	IMPA2	NM_014214 // IMPA2 // inositol(myo)-1(or 4)-monophosphatase 2 // 18p11.2 // 3613	0.001751	0.000303	0.395356	0.006667	-1.13
8080511	NM_000720	CACNA1D	NM_000720 // CACNA1D // calcium channel, voltage-dependent, L type, alpha 1D sub	0.030531	0.270016	0.962993	0.006671	-1.28
7951034	NR_002920	SNORA8	NR_002920 // SNORA8 // small nucleolar RNA, H/ACA box 8 // 11q21 // 654320 /// A	0.421548	0.093332	0.270898	0.006677	1.17

7915472	NM_006516	SLC2A1	NM_006516 // SLC2A1 // solute carrier family 2 (facilitated glucose transporter)	0.199203	0.208559	0.423078	0.006679	1.22
8016259	NM_001006607	LRRC37A2	NM_001006607 // LRRC37A2 // leucine rich repeat containing 37, member A2 // 17q2	0.298282	0.153664	0.56654	0.00668	1.21
7964937	NM_144982	ZFC3H1	NM_144982 // ZFC3H1 // zinc finger, C3H1-type containing // 12q21.1 // 196441 //	0.127651	0.045763	0.622496	0.006684	1.15
8128322	NM_014165	NDUFAF4	NM_014165 // NDUFAF4 // NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, asse	0.050209	0.388134	0.961425	0.006684	-1.15
8136938	---		---	0.000449	0.556343	0.195819	0.006689	-1.14
8143599	---		---	0.000449	0.556343	0.195819	0.006689	-1.14
8166723	NM_021083	XK	NM_021083 // XK // X-linked Kx blood group (McLeod syndrome) // Xp21.1 // 7504 /	0.1148	0.414404	0.799362	0.006711	-1.14
8156770	NM_024642	GALNT12	NM_024642 // GALNT12 // UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylg	0.62137	0.559039	0.0182289	0.006728	1.18
7974851	NM_001530	HIF1A	NM_001530 // HIF1A // hypoxia inducible factor 1, alpha subunit (basic helix-loo	0.000189	0.008649	0.284626	0.006749	1.26
7967028	NR_003137	RNU4-2	NR_003137 // RNU4-2 // RNA, U4 small nuclear 2 // 12q24.31 // 26834	0.042408	0.828214	0.430304	0.006766	1.43
8004497	NM_001416	EIF4A1	NM_001416 // EIF4A1 // eukaryotic translation initiation factor 4A1 // 17p13 //	6.39E-05	0.974746	0.755884	0.006772	-1.16
7949882	NM_000695	ALDH3B2	NM_000695 // ALDH3B2 // aldehyde dehydrogenase 3 family, member B2 // 11q13 // 2	0.716772	0.03274	0.661728	0.006781	1.17
7897997	NM_001013692	PRAMEF3	NM_001013692 // PRAMEF3 // PRAME family member 3 // 1p36.21 // 401940 /// NM_001	0.655389	0.723872	0.230669	0.006801	-1.14

8020468	NM_002894	RBBP8	NM_002894 // RBBP8 // retinoblastoma binding protein 8 // 18q11.2 // 5932 /// NM	0.72693	0.808417	0.477011	0.006836	1.22
7899943	NM_024772	ZMYM1	NM_024772 // ZMYM1 // zinc finger, MYM-type 1 // 1p34.3 // 79830 /// ENST0000037	0.001969	0.321787	0.962192	0.006837	1.13
8163181	NM_001012993	C9orf152	NM_001012993 // C9orf152 // chromosome 9 open reading frame 152 // 9q31.3 // 401	0.806323	0.150559	0.270549	0.00684	-1.21
7921275	NM_052939	FCRL3	NM_052939 // FCRL3 // Fc receptor-like 3 // 1q21-q22 // 115352 /// ENST000003681	0.702936	0.357901	0.520738	0.00685	1.22
8123644	NM_001069	TUBB2A	NM_001069 // TUBB2A // tubulin, beta 2A // 6p25 // 7280 /// ENST00000333628 // T	0.00655	0.342143	0.339089	0.006874	1.21
7899480	NR_002907	SNORA73A	NR_002907 // SNORA73A // small nucleolar RNA, H/ACA box 73A // 1p36.1 // 6080 //	0.159874	0.199129	0.121031	0.006886	1.35
8175217	NM_001448	GPC4	NM_001448 // GPC4 // glypican 4 // Xq26.1 // 2239 /// ENST00000370828 // GPC4 //	0.507776	0.801052	0.0076888	0.006887	-1.17
7921873	NM_000569	FCGR3A	NM_000569 // FCGR3A // Fc fragment of IgG, low affinity IIIa, receptor (CD16a) /	0.667997	0.484617	0.58134	0.006889	-1.38
7912692	NM_014424	HSPB7	NM_014424 // HSPB7 // heat shock 27kDa protein family, member 7 (cardiovascular)	0.976548	0.109594	0.449774	0.006891	1.17
8113083	NM_032042	FAM172A	NM_032042 // FAM172A // family with sequence similarity 172, member A // 5q15 //	0.033531	0.024629	0.308952	0.006893	1.15
7989365	NM_134260	RORA	NM_134260 // RORA // RAR-related orphan receptor A // 15q22.2 // 6095 /// NM_002	0.016441	0.467358	0.423601	0.006923	-1.17

8160559	NM_014314	DDX58	NM_014314 // DDX58 // DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 // 9p12 // 23586	0.892322	0.805089	0.581766	0.006938	1.21
8082100	NM_017554	PARP14	NM_017554 // PARP14 // poly (ADP-ribose) polymerase family, member 14 // 3q21.1	0.882719	0.727651	0.198067	0.006945	1.20
8124521	NM_003541	HIST1H4K	NM_003541 // HIST1H4K // histone cluster 1, H4k // 6p22.1 // 8362 /// NM_021968	0.000781	0.665929	0.372827	0.006964	1.20
7903457	NM_018137	PRMT6	NM_018137 // PRMT6 // protein arginine methyltransferase 6 // 1p13.3 // 55170 //	0.358647	0.202601	0.816932	0.006979	1.13
7950197	NM_015242	ARAP1	NM_015242 // ARAP1 // ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1	0.872427	0.173489	0.516541	0.006985	-1.13
7990827	ENST00000447682	LOC1001337	ENST00000447682 // LOC100133746 // hypothetical LOC100133746 // --- // 100133746	0.279577	0.708896	0.0045996	0.006993	-1.14
8050869	---		---	0.150734	0.604726	0.0503941	0.007001	1.16
8169049	NM_004780	TCEAL1	NM_004780 // TCEAL1 // transcription elongation factor A (SII)-like 1 // Xq22.1	0.764065	0.887952	0.731321	0.007041	-1.14
8006319	---		---	0.031488	0.393999	0.698701	0.007041	1.16
8124518	NM_021066	HIST1H2AJ	NM_021066 // HIST1H2AJ // histone cluster 1, H2aj // 6p22.1 // 8331	0.049688	0.53451	0.83651	0.007043	1.16
7959102	NM_014365	HSPB8	NM_014365 // HSPB8 // heat shock 22kDa protein 8 // 12q24.23 // 26353 /// ENST00	0.101634	0.229687	0.218449	0.007056	-1.25
7997642	NM_031476	CRISPLD2	NM_031476 // CRISPLD2 // cysteine-rich secretory protein LCCL domain containing	0.03786	0.797777	0.899203	0.007073	-1.34
8034806	NM_005804	DDX39	NM_005804 // DDX39 // DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 // 19p13.12 // 1	0.000474	0.341037	0.467185	0.007099	-1.13
8161444	---		---	0.183453	0.921076	0.0049276	0.007121	-1.41

8030364	NR_000019	SNORD34	NR_000019 // SNORD34 // small nucleolar RNA, C/D box 34 // 19q13.3 // 26817 ///	0.017493	0.163387	0.847317	0.007133	-1.26
7928308	NM_019058	DDIT4	NM_019058 // DDIT4 // DNA-damage-inducible transcript 4 // 10pter-q26.12 // 5454	0.323948	0.333631	0.928276	0.007134	-1.43
8079037	NM_001042646	TRAK1	NM_001042646 // TRAK1 // trafficking protein, kinesin binding 1 // 3p22.1 // 229	0.127821	0.380137	0.734369	0.007137	1.13
8140859	NM_006980	MTERF	NM_006980 // MTERF // mitochondrial transcription termination factor // 7q21-q22	0.027758	0.022031	0.381927	0.007152	1.13
8005953	NR_000010	SNORD4A	NR_000010 // SNORD4A // small nucleolar RNA, C/D box 4A // 17q11 // 26773	0.247729	0.455629	0.246798	0.007168	-1.18
8141477	NR_028038	GATS	NR_028038 // GATS // GATS, stromal antigen 3 opposite strand // 7q22.1 // 352954	0.060071	0.976439	0.945339	0.007171	1.17
7934365	---		---	0.74213	0.024128	0.303869	0.007171	1.16
8140500	NM_032936	TMEM60	NM_032936 // TMEM60 // transmembrane protein 60 // 7q11.23 // 85025 /// ENST0000	0.79676	0.607583	0.330725	0.007177	-1.13
8025053	NM_003811	TNFSF9	NM_003811 // TNFSF9 // tumor necrosis factor (ligand) superfamily, member 9 // 1	0.452357	0.006286	0.366762	0.007181	-1.13
8006834	---		---	0.013255	0.245768	0.0174554	0.007211	-1.17
8108905	NM_020768	KCTD16	NM_020768 // KCTD16 // potassium channel tetramerisation domain containing 16 //	8.15E-05	0.022171	0.317516	0.007213	-1.17
8100784	NM_021139	UGT2B4	NM_021139 // UGT2B4 // UDP glucuronosyltransferase 2 family, polypeptide B4 // 4	0.088497	0.639081	0.0192441	0.007238	-1.26

8038029	NM_014959	CARD8	NM_014959 // CARD8 // caspase recruitment domain family, member 8 // 19q13.33 //	0.035451	0.281144	0.835578	0.00724	-1.14
8149673	NM_025232	REEP4	NM_025232 // REEP4 // receptor accessory protein 4 // 8p21.3 // 80346 /// ENST00	0.694468	0.748566	0.449807	0.007262	-1.14
8164217	NM_022833	FAM129B	NM_022833 // FAM129B // family with sequence similarity 129, member B // 9q34.13	0.007021	0.025211	0.98527	0.007263	-1.14
8020123	NM_001098529	TXNDC2	NM_001098529 // TXNDC2 // thioredoxin domain containing 2 (spermatozoa) // --- /	0.452741	0.678828	0.324588	0.007288	-1.14
7967933	NM_175605	IFT88	NM_175605 // IFT88 // intraflagellar transport 88 homolog (Chlamydomonas) // 13q	0.090369	0.037907	0.809438	0.007296	1.25
7943162	NM_014039	C11orf54	NM_014039 // C11orf54 // chromosome 11 open reading frame 54 // 11q21 // 28970 /	0.304688	0.32581	0.748505	0.007309	-1.16
8128394	NM_032870	SFRS18	NM_032870 // SFRS18 // splicing factor, arginine/serine-rich 18 // 6q16.3 // 259	0.001118	0.321513	0.947598	0.007313	1.16
7921031	---		---	0.029381	0.556269	0.146308	0.007316	-1.32
8075375	NM_174975	SEC14L3	NM_174975 // SEC14L3 // SEC14-like 3 (S. cerevisiae) // 22q12.2 // 266629 /// EN	0.378836	0.782859	0.932304	0.007319	1.24
8051501	NM_002759	EIF2AK2	NM_002759 // EIF2AK2 // eukaryotic translation initiation factor 2-alpha kinase	0.663844	0.950977	0.276154	0.007328	1.15
7990564	---		---	0.425945	0.441133	0.054667	0.007332	1.31
8103922	NM_004346	CASP3	NM_004346 // CASP3 // caspase 3, apoptosis-related cysteine peptidase // 4q34 //	0.936613	0.000124	0.818121	0.007359	1.15
7958200	NM_001008394	EID3	NM_001008394 // EID3 // EP300 interacting inhibitor of differentiation 3 // 12q2	0.609658	0.769331	0.216075	0.007373	-1.16

7947423	---		---	0.264603	0.781954	0.505385	0.00738	-1.37
8174149	NM_001099686	NXF2B	NM_001099686 // NXF2B // nuclear RNA export factor 2B // Xq22.1 // 728343 /// NM	0.872942	0.416413	0.887353	0.007393	1.17
7952631	NM_022112	TP53AIP1	NM_022112 // TP53AIP1 // tumor protein p53 regulated apoptosis inducing protein	0.79377	0.577993	0.832458	0.007398	1.15
7944179	NM_000733	CD3E	NM_000733 // CD3E // CD3e molecule, epsilon (CD3-TCR complex) // 11q23 // 916 //	0.464759	0.279627	0.539208	0.007399	1.26
8058147	NM_130906	PPIL3	NM_130906 // PPIL3 // peptidylprolyl isomerase (cyclophilin)-like 3 // 2q33.1 //	0.093601	0.42498	0.69305	0.007399	1.16
7974603	NM_002788	PSMA3	NM_002788 // PSMA3 // proteasome (prosome, macropain) subunit, alpha type, 3 //	0.341356	0.647004	0.38578	0.007403	-1.21
8009476	NM_002758	MAP2K6	NM_002758 // MAP2K6 // mitogen-activated protein kinase kinase 6 // 17q24.3 // 5	0.413695	0.901725	0.253372	0.007411	1.18
8043502	---		---	0.464474	0.931922	0.0016384	0.007426	-1.42
8028908	NM_025194	ITPKC	NM_025194 // ITPKC // inositol 1,4,5-trisphosphate 3-kinase C // 19q13.1 // 8027	0.003468	0.385506	0.103594	0.007427	-1.31
7919139	AK090412	LOC375010	AK090412 // LOC375010 // ankyrin repeat domain 20 family, member A pseudogene //	0.00013	0.793009	0.624178	0.007437	-1.33
8009241	NR_004380	SNORD104	NR_004380 // SNORD104 // small nucleolar RNA, C/D box 104 // 17q23.3 // 692227	0.410189	0.028884	0.967491	0.007442	-1.25
7939559	NM_130783	TSPAN18	NM_130783 // TSPAN18 // tetraspanin 18 // 11p11.2 // 90139 /// ENST00000340160 /	0.87892	0.117686	0.975844	0.007463	-1.30

8111569	NM_001161429	RANBP3L	NM_001161429 // RANBP3L // RAN binding protein 3-like // 5p13.2 // 202151 /// NM	0.013643	0.21497	0.279887	0.007464	-1.45
7941260	NM_031904	FRMD8	NM_031904 // FRMD8 // FERM domain containing 8 // 11q13 // 83786 /// ENST0000031	0.166596	0.347788	0.694629	0.007476	-1.13
7966127	NM_003006	SELPLG	NM_003006 // SELPLG // selectin P ligand // 12q24 // 6404 /// ENST00000388962 //	0.377892	0.303418	0.654021	0.007482	-1.23
8029076	NM_001098506	CEACAM21	NM_001098506 // CEACAM21 // carcinoembryonic antigen-related cell adhesion molec	0.692126	0.278612	0.528983	0.007484	-1.13
8058552	NM_005896	IDH1	NM_005896 // IDH1 // isocitrate dehydrogenase 1 (NADP+), soluble // 2q33.3 // 34	0.728665	0.595585	0.569928	0.007485	-1.15
7933178	---		---	0.011178	0.393995	0.0899882	0.007526	-1.18
8011516	NM_174954	ATP2A3	NM_174954 // ATP2A3 // ATPase, Ca++ transporting, ubiquitous // 17p13.3 // 489 /	0.521219	0.353651	0.183817	0.007554	1.18
8156358	---		---	0.226931	0.345831	0.0206964	0.007575	-1.58
8105132	ENST00000314890	C5orf39	ENST00000314890 // C5orf39 // chromosome 5 open reading frame 39 // 5p12 // 3892	0.006267	0.291524	0.207321	0.007583	1.19
8023462	---		---	0.340481	0.427563	0.652378	0.007609	-1.16
8058627	NM_005235	ERBB4	NM_005235 // ERBB4 // v-erb-a erythroblastic leukemia viral oncogene homolog 4 (	0.546071	0.790424	0.0515558	0.007615	-1.24
8136934	NM_176883	TAS2R41	NM_176883 // TAS2R41 // taste receptor, type 2, member 41 // 7q35 // 259287 ///	0.916771	0.194877	0.112627	0.007647	-1.15
8143433	NM_016071	MRPS33	NM_016071 // MRPS33 // mitochondrial ribosomal protein S33 // 7q34 // 51650 ///	0.063279	0.489851	0.922532	0.007659	1.15

8137464	NM_004577	PSPH	NM_004577 // PSPH // phosphoserine phosphatase // 7p11.2 // 5723 /// ENST0000043	0.073602	0.861779	0.777781	0.007662	1.27
7904907	NM_004326	BCL9	NM_004326 // BCL9 // B-cell CLL/lymphoma 9 // 1q21 // 607 /// ENST00000234739 //	0.365631	0.641431	0.875465	0.00771	1.13
8120279	NM_018214	LRRC1	NM_018214 // LRRC1 // leucine rich repeat containing 1 // 6p12.1 // 55227 /// EN	0.441774	0.667095	0.260353	0.00773	-1.15
8067382	NM_002792	PSMA7	NM_002792 // PSMA7 // proteasome (prosome, macropain) subunit, alpha type, 7 //	0.065942	0.704598	0.516234	0.007747	-1.14
8156923	NM_207299	LPPR1	NM_207299 // LPPR1 // lipid phosphate phosphatase-related protein type 1 // 9q31	0.996231	0.852961	0.0201898	0.007756	-1.29
8042811	NM_144993	TET3	NM_144993 // TET3 // tet oncogene family member 3 // 2p13.1 // 200424 /// ENST00	0.089275	0.999337	0.0669651	0.007767	-1.13
8136473	NM_015905	TRIM24	NM_015905 // TRIM24 // tripartite motif-containing 24 // 7q32-q34 // 8805 /// NM	0.085573	0.805008	0.118151	0.007783	-1.16
8003401	NM_000485	APRT	NM_000485 // APRT // adenine phosphoribosyltransferase // 16q24 // 353 /// NM_00	0.015223	0.42004	0.805516	0.007789	-1.14
8027996	NM_172341	PSENEN	NM_172341 // PSENEN // presenilin enhancer 2 homolog (C. elegans) // 19q13.12 //	0.360584	0.793467	0.622858	0.007805	1.25
8117081	NM_153042	KDM1B	NM_153042 // KDM1B // lysine (K)-specific demethylase 1B // 6p22.3 // 221656 ///	0.874906	0.168373	0.251885	0.007828	1.17
8152255	NM_030780	SLC25A32	NM_030780 // SLC25A32 // solute carrier family 25, member 32 // 8q22.3 // 81034	0.113991	0.24029	0.94526	0.007849	-1.14

8135181	NM_152892	LRWD1	NM_152892 // LRWD1 // leucine-rich repeats and WD repeat domain containing 1 //	0.045604	0.435636	0.202968	0.007864	1.14
8031984	NR_026818	FAM138A	NR_026818 // FAM138A // family with sequence similarity 138, member A // 1p36.33	0.799581	0.759527	0.0027053	0.007868	-1.17
7911323	NR_026818	FAM138A	NR_026818 // FAM138A // family with sequence similarity 138, member A // 1p36.33	0.799581	0.759527	0.0027053	0.007868	-1.17
7958895	NM_006187	OAS3	NM_006187 // OAS3 // 2'-5'-oligoadenylate synthetase 3, 100kDa // 12q24.2 // 494	0.069823	0.978381	0.145251	0.007876	1.27
8036584	NM_002307	LGALS7	NM_002307 // LGALS7 // lectin, galactoside-binding, soluble, 7 // 19q13.2 // 396	0.527104	0.671436	0.958279	0.007908	1.20
8014241	NM_018042	SLFN12	NM_018042 // SLFN12 // schlafen family member 12 // 17q12 // 55106 /// ENST00000	0.093409	0.361979	0.669242	0.00791	1.21
8112072	NM_021147	CCNO	NM_021147 // CCNO // cyclin O // 5p15.2-p13.1 // 10309 /// ENST00000282572 // CC	0.871285	0.713084	0.825694	0.007933	1.17
7948354	NM_145016	GLYATL2	NM_145016 // GLYATL2 // glycine-N-acyltransferase-like 2 // 11q12.1 // 219970 //	0.756361	0.209832	0.164646	0.007939	1.15
8168500	NM_000291	PGK1	NM_000291 // PGK1 // phosphoglycerate kinase 1 // Xq13 // 5230 /// ENST000003733	0.127186	0.288073	0.127931	0.007954	-1.13
8140782	NM_000927	ABCB1	NM_000927 // ABCB1 // ATP-binding cassette, sub-family B (MDR/TAP), member 1 //	0.028163	0.733354	0.213032	0.007958	1.39
8114211	---		---	0.153473	0.792228	0.0581873	0.007977	-1.36
7982248	---		---	0.068696	0.066345	0.619557	0.007977	-1.26

8042326	NM_015147	CEP68	NM_015147 // CEP68 // centrosomal protein 68kDa // 2p14 // 23177 /// ENST0000037	8.85E-05	0.861579	0.410302	0.007999	1.16
8090277	NM_022776	OSBPL11	NM_022776 // OSBPL11 // oxysterol binding protein-like 11 // 3q21 // 114885 ///	0.252405	0.496202	0.0851821	0.008054	-1.21
8100941	---		---	0.033234	0.292803	0.461902	0.008069	1.38
8100428	NM_004898	CLOCK	NM_004898 // CLOCK // clock homolog (mouse) // 4q12 // 9575 /// ENST00000513440	0.828817	0.917839	0.703578	0.008096	-1.15
7987315	NM_005159	ACTC1	NM_005159 // ACTC1 // actin, alpha, cardiac muscle 1 // 15q11-q14 // 70 /// ENST	0.108924	0.115685	0.835901	0.0081	1.16
7974725	NM_016475	JKAMP	NM_016475 // JKAMP // JNK1/MAPK8-associated membrane protein // 14q23.1 // 51528	0.401821	0.287829	0.924612	0.008101	1.14
7977432	NM_025268	TMEM121	NM_025268 // TMEM121 // transmembrane protein 121 // 14q32.33 // 80757 /// ENST0	0.759221	0.730591	0.137537	0.008105	1.19
7934133	NM_021129	PPA1	NM_021129 // PPA1 // pyrophosphatase (inorganic) 1 // 10q11.1-q24 // 5464 /// EN	0.144816	0.444794	0.325305	0.008109	-1.18
8100782	---		---	0.790032	0.365343	0.338511	0.008117	1.14
8008784	NM_018304	PRR11	NM_018304 // PRR11 // proline rich 11 // 17q22 // 55771 /// ENST00000262293 // P	0.263169	0.634085	0.343111	0.008138	1.17
8045533	---		---	0.391106	0.296898	0.0268308	0.008148	-1.65
8117286	---		---	0.12349	0.028398	0.716589	0.008157	-1.17
8059277	---		---	0.121631	0.544736	0.615948	0.008162	1.19
8030563	NR_002825	SIGLEC16	NR_002825 // SIGLEC16 // sialic acid binding Ig-like lectin 16 (gene/pseudogene)	0.144774	0.605663	0.489116	0.008166	-1.19

7969288	NM_006418	OLFM4	NM_006418 // OLFM4 // olfactomedin 4 // 13q14.3 // 10562 /// ENST00000219022 //	0.557826	0.084234	0.216551	0.008167	-1.29
7933290	NR_026566	BMS1P1	NR_026566 // BMS1P1 // BMS1 pseudogene 1 // 10q11.22 // 728053 /// NR_003611 //	0.008565	0.013707	0.178021	0.008177	1.15
8150076	NM_001394	DUSP4	NM_001394 // DUSP4 // dual specificity phosphatase 4 // 8p12-p11 // 1846 /// NM_	0.680886	0.13117	0.454663	0.008177	1.14
8150714	NM_052937	PCMTD1	NM_052937 // PCMTD1 // protein-L-isoaspartate (D-aspartate) O-methyltransferase	0.003876	0.309906	0.516481	0.008178	1.13
7969611	---		---	0.777354	0.828627	0.509916	0.008184	1.21
8139820	NM_178558	ZNF680	NM_178558 // ZNF680 // zinc finger protein 680 // 7q11.21 // 340252 /// NM_00113	0.031213	0.033822	0.816884	0.00819	1.16
8177931	NM_001010909	MUC21	NM_001010909 // MUC21 // mucin 21, cell surface associated // 6p21.32 // 394263	0.018183	0.507423	0.643202	0.008241	1.43
7967107	NR_024345	NCRNA0026	NR_024345 // NCRNA00262 // non-protein coding RNA 262 // 12q24.31 // 283460	0.193742	0.832805	0.669984	0.008245	1.19
7909689	NM_020197	SMYD2	NM_020197 // SMYD2 // SET and MYND domain containing 2 // 1q32.3 // 56950 /// EN	0.328683	0.935305	0.931199	0.008252	1.17
8165663	AK172782	GPAM	AK172782 // GPAM // glycerol-3-phosphate acyltransferase, mitochondrial // 10q25	0.087258	0.167996	0.126749	0.008253	-1.32
8074237	NM_017424	CECR1	NM_017424 // CECR1 // cat eye syndrome chromosome region, candidate 1 // 22q11.2	0.920477	0.705983	0.509972	0.008257	1.24
8088047	NM_205853	MUSTN1	NM_205853 // MUSTN1 // musculoskeletal, embryonic nuclear protein 1 // 3p21.1 //	0.023767	0.974643	0.709589	0.008272	1.16

8151592	NM_001738	CA1	NM_001738 // CA1 // carbonic anhydrase I // 8q21.2 // 759 /// NM_001128829 // CA	0.146466	0.435824	0.0800121	0.008273	-1.20
8120067	NM_004277	SLC25A27	NM_004277 // SLC25A27 // solute carrier family 25, member 27 // 6p12.3 // 9481 /	0.000293	0.397552	0.88657	0.008332	1.26
8027377	---		---	0.726013	0.696946	0.0050494	0.008341	-1.22
7947245	M30627	HSP90AA2	M30627 // HSP90AA2 // heat shock protein 90kDa alpha (cytosolic), class A member	0.243011	0.518366	0.595056	0.008342	1.15
8017675	NR_024386	PLEKHM1P	NR_024386 // PLEKHM1P // pleckstrin homology domain containing, family M (with R	0.918694	0.980404	0.270992	0.008351	-1.13
8041617	NM_020744	MTA3	NM_020744 // MTA3 // metastasis associated 1 family, member 3 // 2p21 // 57504 /	0.003866	0.669932	0.83894	0.008354	1.12
8021183	NR_003003	SCARNA17	NR_003003 // SCARNA17 // small Cajal body-specific RNA 17 // 18q21.1 // 677769	0.002814	0.330372	0.298611	0.008381	-1.15
7925413	AF333388	MT1P2	AF333388 // MT1P2 // metallothionein 1 pseudogene 2 // 1q43 // 645745	0.043372	0.616204	0.847433	0.008393	-1.17
8054354	---		---	0.25604	0.708758	0.344648	0.008393	1.20
8170097	NM_001042537	SLC9A6	NM_001042537 // SLC9A6 // solute carrier family 9 (sodium/hydrogen exchanger), m	0.196135	0.551508	0.0110723	0.008456	-1.13
8114443	NM_004730	ETF1	NM_004730 // ETF1 // eukaryotic translation termination factor 1 // 5q31.1 // 21	0.128252	0.828126	0.806348	0.008473	-1.15
8147516	NM_002380	MATN2	NM_002380 // MATN2 // matrilin 2 // 8q22 // 4147 /// NM_030583 // MATN2 // matri	0.072944	0.262914	0.0961284	0.008507	1.24
8052413	---		---	0.020072	0.051384	0.651216	0.008509	-1.15
8092218	---		---	0.333752	0.633924	0.274955	0.008517	1.13

8089314	NM_018010	IFT57	NM_018010 // IFT57 // intraflagellar transport 57 homolog (Chlamydomonas) // 3q1	0.347711	0.657142	0.592272	0.008519	1.24
7904478	AF172850	LOC51152	AF172850 // LOC51152 // melanoma antigen // --- // 51152	0.50165	0.774406	0.0070215	0.008525	-1.43
8095723	NM_001013442	EPGN	NM_001013442 // EPGN // epithelial mitogen homolog (mouse) // 4q13.3 // 255324 /	0.022353	0.733714	0.366901	0.00853	-1.23
8176460	NR_028062	PRKY	NR_028062 // PRKY // protein kinase, Y-linked // Yp11.2 // 5616 /// BC074851 //	0.36591	0	0.404954	0.008536	1.11
7980246	NM_001040108	MLH3	NM_001040108 // MLH3 // mutL homolog 3 (E. coli) // 14q24.3 // 27030 /// NM_0143	0.000106	0.362538	0.937689	0.008538	-1.16
7913566	NM_000864	HTR1D	NM_000864 // HTR1D // 5-hydroxytryptamine (serotonin) receptor 1D // 1p36.3-p34.	0.861284	0.766954	0.0942791	0.008566	-1.13
7986359	NM_000875	IGF1R	NM_000875 // IGF1R // insulin-like growth factor 1 receptor // 15q26.3 // 3480 /	0.218322	0.263645	0.880685	0.008569	-1.18
8123637	NM_000904	NQO2	NM_000904 // NQO2 // NAD(P)H dehydrogenase, quinone 2 // 6pter-q12 // 4835 /// E	0.563667	0.919659	0.564842	0.008639	-1.22
8138888	NM_001191058	PDE1C	NM_001191058 // PDE1C // phosphodiesterase 1C, calmodulin-dependent 70kDa // 7p1	0.124241	0.991729	0.334484	0.008641	-1.20
7909603	NM_013349	NENF	NM_013349 // NENF // neuron derived neurotrophic factor // 1q32.3 // 29937 /// N	0.202967	0.12294	0.408639	0.008648	1.14
8161642	---		---	0.190009	0.340294	0.743079	0.008673	1.15
7960381	CR627161	EFCAB4B	CR627161 // EFCAB4B // EF-hand calcium binding domain 4B // 12p13.32 // 84766	0.656389	0.152492	0.0185461	0.008713	-1.19

8017840	BC036760	C17orf58	BC036760 // C17orf58 // chromosome 17 open reading frame 58 // 17q24.2 // 284018	0.71624	0.185866	0.304667	0.008726	1.16
8079131	NM_001129908	FAM198A	NM_001129908 // FAM198A // family with sequence similarity 198, member A // 3p22	0.607376	0.162407	0.0573434	0.008752	1.20
7960874	NM_004054	C3AR1	NM_004054 // C3AR1 // complement component 3a receptor 1 // 12p13.31 // 719 ///	0.279555	0.483027	0.345619	0.008764	-1.25
8024436	NM_004152	OAZ1	NM_004152 // OAZ1 // ornithine decarboxylase antizyme 1 // 19p13.3 // 4946 /// E	0.776526	0.215628	0.587338	0.008767	-1.13
8143633	NM_001005328	OR2A7	NM_001005328 // OR2A7 // olfactory receptor, family 2, subfamily A, member 7 //	0.01969	0.381014	0.326263	0.008858	-1.31
8149966	NM_173833	SCARA5	NM_173833 // SCARA5 // scavenger receptor class A, member 5 (putative) // 8p21.1	0.4514	0.527935	0.359602	0.008879	1.26
7953383	NR_004387	SCARNA10	NR_004387 // SCARNA10 // small Cajal body-specific RNA 10 // 12p13.31 // 692148	0.037029	0.016097	0.257289	0.008884	1.30
8036420	NM_014898	ZFP30	NM_014898 // ZFP30 // zinc finger protein 30 homolog (mouse) // 19q13.12 // 2283	0.026036	0.239496	0.264823	0.008889	1.12
8144951	---		---	0.944738	0.547656	0.599705	0.008912	1.20
8038443	NM_025129	FUZ	NM_025129 // FUZ // fuzzy homolog (Drosophila) // 19q13.33 // 80199 /// NR_03326	0.717857	0.473127	0.858469	0.008912	1.14
8114647	NM_031947	SLC25A2	NM_031947 // SLC25A2 // solute carrier family 25 (mitochondrial carrier; ornithi	0.089468	0.826078	0.366482	0.008919	-1.13
7961371	NM_030640	DUSP16	NM_030640 // DUSP16 // dual specificity phosphatase 16 // 12p13 // 80824 /// ENS	0.134942	0.118857	0.0213151	0.00892	-1.14
7913642	---		---	0.012864	0.898319	0.0025484	0.008957	-1.16

7982100	---		---	0.00663	0.092687	0.340874	0.008981	1.16
7938133	NM_144666	DNHD1	NM_144666 // DNHD1 // dynein heavy chain domain 1 // 11p15.4 // 144132 /// ENST0	0.025026	0.476998	0.0586187	0.008991	-1.18
8013521	---		---	0.333701	0.92592	0.0224483	0.009009	-1.46
8091863	NM_014926	SLITRK3	NM_014926 // SLITRK3 // SLIT and NTRK-like family, member 3 // 3q26.1 // 22865 /	0.494894	0.401478	0.447048	0.009016	1.26
8089743	NM_212543	B4GALT4	NM_212543 // B4GALT4 // UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, poly	0.626407	0.063469	0.124804	0.009024	1.15
8098730	NM_033178	DUX4	NM_033178 // DUX4 // double homeobox 4 // 4q35 // 22947 /// NM_001127386 // DUX4	0.759032	0.307073	0.370963	0.009024	-1.23
8098743	NM_033178	DUX4	NM_033178 // DUX4 // double homeobox 4 // 4q35 // 22947 /// NM_001127386 // DUX4	0.759032	0.307073	0.370963	0.009024	-1.23
8077351	---		---	0.541151	0.825067	0.142055	0.009036	-1.14
8116921	NM_001955	EDN1	NM_001955 // EDN1 // endothelin 1 // 6p24.1 // 1906 /// NM_001168319 // EDN1 //	0.675803	0.155456	0.653403	0.009043	-1.34
8168644	---		---	0.735503	0.130098	0.280778	0.009056	1.20
8013341	NM_001198695	MFAP4	NM_001198695 // MFAP4 // microfibrillar-associated protein 4 // 17p11.2 // 4239	0.022099	0.068895	0.288076	0.009063	1.25
8028600	NM_001001414	NCCRP1	NM_001001414 // NCCRP1 // non-specific cytotoxic cell receptor protein 1 homolog	0.247371	0.880967	0.816807	0.009075	1.14
7965359	NM_001001323	ATP2B1	NM_001001323 // ATP2B1 // ATPase, Ca++ transporting, plasma membrane 1 // 12q21.	0.804872	0.848058	0.15404	0.009084	1.16
8073422	NM_003216	TEF	NM_003216 // TEF // thyrotrophic embryonic factor // 22q13|22q13.2 // 7008 /// N	0.00086	0.350219	0.790751	0.009134	-1.17

7960411	NM_020374	C12orf4	NM_020374 // C12orf4 // chromosome 12 open reading frame 4 // 12p13.3 // 57102 /	0.512958	0.019671	0.739447	0.009145	1.18
8156199	NM_004938	DAPK1	NM_004938 // DAPK1 // death-associated protein kinase 1 // 9q34.1 // 1612 /// EN	0.040043	0.281439	0.474423	0.009164	-1.17
8013660	NM_005165	ALDOC	NM_005165 // ALDOC // aldolase C, fructose-bisphosphate // 17cen-q12 // 230 ///	0.419919	0.324255	0.701043	0.009214	-1.17
8076584	AK056490	FLJ30901	AK056490 // FLJ30901 // hypothetical protein FLJ30901 // 22q13.31 // 150378	0.15274	0.492621	0.227318	0.009235	-1.15
8009299	---		---	0.597467	0.291998	0.462956	0.009245	-1.15
8157173	NM_005592	MUSK	NM_005592 // MUSK // muscle, skeletal, receptor tyrosine kinase // 9q31.3-q32 //	0.013422	0.184819	0.312194	0.009249	-1.28
8036591	NM_006149	LGALS4	NM_006149 // LGALS4 // lectin, galactoside-binding, soluble, 4 // 19q13.2 // 396	0.57227	0.007718	0.984796	0.009274	-1.15
8137566	NM_001184996	RNF32	NM_001184996 // RNF32 // ring finger protein 32 // 7q36 // 140545 /// NM_030936	0.392296	0.114043	0.928687	0.00932	1.16
8151191	NM_020361	CPA6	NM_020361 // CPA6 // carboxypeptidase A6 // 8q13.2 // 57094 /// ENST00000297770	0.332037	0.292494	0.0020456	0.009321	1.14
7918913	NM_001542	IGSF3	NM_001542 // IGSF3 // immunoglobulin superfamily, member 3 // 1p13 // 3321 /// N	0.175623	0.601077	0.149998	0.009334	-1.15
7946326	NM_153445	OR5P3	NM_153445 // OR5P3 // olfactory receptor, family 5, subfamily P, member 3 // 11p	0.003061	0.321555	0.435741	0.009352	-1.17
8168316	NM_181672	OGT	NM_181672 // OGT // O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-ace	0.057038	0.443825	0.712484	0.009368	1.14

8106722	NM_001017971	ATP6AP1L	NM_001017971 // ATP6AP1L // ATPase, H+ transporting, lysosomal accessory protein	0.054256	0.256438	0.253771	0.00938	1.16
7911241	NM_001001963	OR2L8	NM_001001963 // OR2L8 // olfactory receptor, family 2, subfamily L, member 8 //	0.692222	0.063949	0.0058267	0.009403	-1.16
8033587	NM_032152	PRAM1	NM_032152 // PRAM1 // PML-RARA regulated adaptor molecule 1 // 19p13.2 // 84106	0.308095	0.383396	0.134098	0.009417	-1.14
8090533	NM_020701	ISY1	NM_020701 // ISY1 // ISY1 splicing factor homolog (S. cerevisiae) // 3q21.3 // 5	0.629451	0.57998	0.77981	0.009426	-1.15
8064108	BC000912	C20orf195	BC000912 // C20orf195 // chromosome 20 open reading frame 195 // 20q13.33 // 790	0.20845	0.406307	0.338231	0.009447	1.15
7904314	NM_003594	TTF2	NM_003594 // TTF2 // transcription termination factor, RNA polymerase II // 1p22	0.784549	0.304045	0.456032	0.009447	1.14
8131957	NM_013322	SNX10	NM_013322 // SNX10 // sorting nexin 10 // 7p15.2 // 29887 /// ENST00000396376 //	0.793661	0.875865	0.0059243	0.009474	-1.33
8004024	NM_000173	GP1BA	NM_000173 // GP1BA // glycoprotein Ib (platelet), alpha polypeptide // 17pter-p1	0.62464	0.135693	0.415201	0.009491	-1.13
8090518	BC031632	KIAA1257	BC031632 // KIAA1257 // KIAA1257 // 3q21.3 // 57501 /// AB033083 // KIAA1257 //	0.542175	0.321842	0.852059	0.009497	1.14
8106098	NM_005909	MAP1B	NM_005909 // MAP1B // microtubule-associated protein 1B // 5q13 // 4131 /// ENST	0.937047	0.014796	0.955581	0.009533	1.27
7931656	NM_001177376	DUX4L4	NM_001177376 // DUX4L4 // double homeobox 4 like 4 // 4q35.2 // 441056 /// NM_00	0.771275	0.299552	0.276958	0.009542	-1.21

7931659	NM_001177376	DUX4L4	NM_001177376 // DUX4L4 // double homeobox 4 like 4 // 4q35.2 // 441056 /// NM_00	0.771275	0.299552	0.276958	0.009542	-1.21
7931662	NM_001177376	DUX4L4	NM_001177376 // DUX4L4 // double homeobox 4 like 4 // 4q35.2 // 441056 /// NM_00	0.771275	0.299552	0.276958	0.009542	-1.21
7931668	NM_001177376	DUX4L4	NM_001177376 // DUX4L4 // double homeobox 4 like 4 // 4q35.2 // 441056 /// NM_00	0.771275	0.299552	0.276958	0.009542	-1.21
7931671	NM_001177376	DUX4L4	NM_001177376 // DUX4L4 // double homeobox 4 like 4 // 4q35.2 // 441056 /// NM_00	0.771275	0.299552	0.276958	0.009542	-1.21
8090214	NM_024628	SLC12A8	NM_024628 // SLC12A8 // solute carrier family 12 (potassium/chloride transporter	0.854629	0.624913	0.73971	0.009546	-1.12
8161429	---		---	0.205593	0.671128	0.0285633	0.009558	-1.29
8161440	---		---	0.205593	0.671128	0.0285633	0.009558	-1.29
8155493	---		---	0.205593	0.671128	0.0285633	0.009558	-1.29
8155519	---		---	0.205593	0.671128	0.0285633	0.009558	-1.29
8155567	---		---	0.205593	0.671128	0.0285633	0.009558	-1.29
7976443	NM_001130080	IFI27	NM_001130080 // IFI27 // interferon, alpha-inducible protein 27 // 14q32 // 3429	0.668478	0.004881	0.446769	0.009563	-1.32
8065089	NM_024704	KIF16B	NM_024704 // KIF16B // kinesin family member 16B // 20p11.23 // 55614 /// ENST00	0.001819	0.984741	0.0664411	0.009575	-1.13
8157450	NM_000608	ORM2	NM_000608 // ORM2 // orosomucoid 2 // 9q32 // 5005 /// ENST00000431067 // ORM2 /	0.03881	0.579582	0.226226	0.009582	-1.25
7981970	NR_003326	SNORD116-1	NR_003326 // SNORD116-11 // small nucleolar RNA, C/D box 116-11 // 15q11.2 // 10	0.549659	0.971678	0.465969	0.009606	1.13

8020702	NM_005640	TAF4B	NM_005640 // TAF4B // TAF4b RNA polymerase II, TATA box binding protein (TBP)-as	0.248055	0.48236	0.913689	0.009614	1.16
7966829	NM_018639	WSB2	NM_018639 // WSB2 // WD repeat and SOCS box-containing 2 // 12q24.23 // 55884 //	0.004974	0.45559	0.653778	0.009614	-1.13
8118069	NM_001010909	MUC21	NM_001010909 // MUC21 // mucin 21, cell surface associated // 6p21.32 // 394263	0.015989	0.595022	0.587593	0.009642	1.40
8103326	NM_021870	FGG	NM_021870 // FGG // fibrinogen gamma chain // 4q28 // 2266 /// NM_000509 // FGG	0.557872	0.390284	0.0710931	0.009662	-1.94
8150698	NM_003068	SNAI2	NM_003068 // SNAI2 // snail homolog 2 (Drosophila) // 8q11 // 6591 /// ENST00000	0.967361	0.078236	0.829365	0.009688	1.19
8173208	NM_001012968	SPIN4	NM_001012968 // SPIN4 // spindlin family, member 4 // Xq11.1 // 139886 /// ENST0	0.200164	0.778295	0.799589	0.009711	-1.15
8063536	NM_003222	TFAP2C	NM_003222 // TFAP2C // transcription factor AP-2 gamma (activating enhancer bind	0.574083	0.482141	0.353205	0.00972	1.22
7983638	NM_020234	DTWD1	NM_020234 // DTWD1 // DTW domain containing 1 // 15q21.2 // 56986 /// NM_0011449	0.003466	0.00278	0.63364	0.009722	1.15
8152867	NM_018482	ASAP1	NM_018482 // ASAP1 // ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 //	0.182306	0.458946	0.63425	0.009737	-1.15
8000869	NM_052838	SEPT1	NM_052838 // SEPT1 // septin 1 // 16p11.1 // 1731 /// ENST00000321367 // SEPT1 /	0.476518	0.853435	0.385209	0.009745	1.23
8105104	NM_175921	C5orf51	NM_175921 // C5orf51 // chromosome 5 open reading frame 51 // 5p13.1 // 285636 /	0.996186	0.104707	0.490587	0.009747	-1.16

8094688	NM_006859	LIAS	NM_006859 // LIAS // lipoic acid synthetase // 4p14 // 11019 /// NM_194451 // LI	0.355703	0.039957	0.526734	0.009833	1.13
8118100	NM_001177519	MICA	NM_001177519 // MICA // MHC class I polypeptide-related sequence A // 6p21.33 //	0.684903	0.282618	0.265922	0.009851	-1.15
7961757	NM_003034	ST8SIA1	NM_003034 // ST8SIA1 // ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransfera	0.000813	0.37813	0.662532	0.009874	1.19
7973303	---		---	0.752145	0.350345	0.449445	0.009875	1.18
8098103	NM_020840	FNIP2	NM_020840 // FNIP2 // folliculin interacting protein 2 // 4q32.1 // 57600 /// EN	0.197111	0.144623	0.0797364	0.009887	-1.14
8124307	NR_002174	CMAH	NR_002174 // CMAH // cytidine monophosphate-N-acetylneuraminic acid hydroxylase	0.292023	0.728888	0.231351	0.009894	1.24
8046604	NM_003659	AGPS	NM_003659 // AGPS // alkylglycerone phosphate synthase // 2q31.2 // 8540 /// ENS	0.714011	0.298622	0.0229439	0.009895	1.13
8014891	NM_012481	IKZF3	NM_012481 // IKZF3 // IKAROS family zinc finger 3 (Aiolos) // 17q21 // 22806 ///	0.116801	0.752423	0.624099	0.009896	1.23
8060503	NR_002738	SNORD57	NR_002738 // SNORD57 // small nucleolar RNA, C/D box 57 // 20p13 // 26792 /// AK	0.204225	0.516243	0.329736	0.009899	1.25
7897522	NM_052960	RBP7	NM_052960 // RBP7 // retinol binding protein 7, cellular // 1p36.22 // 116362 //	0.757027	0.096004	0.66453	0.009901	-1.24
7939072	NM_152636	METT5D1	NM_152636 // METT5D1 // methyltransferase 5 domain containing 1 // 11p14.1 // 19	0.00045	0.068816	0.426199	0.009907	1.17
8057742	---		---	0.730305	0.615032	0.497201	0.009919	1.23

8101284	NM_006259	PRKG2	NM_006259 // PRKG2 // protein kinase, cGMP-dependent, type II // 4q13.1-q21.1 //	0.020996	0.15054	0.20535	0.009949	-1.30
8121181	NM_020482	FHL5	NM_020482 // FHL5 // four and a half LIM domains 5 // 6q16.1-q16.3 // 9457 /// N	0.014998	0.430853	0.299907	0.009955	-1.23
8102877	NM_004362	CLGN	NM_004362 // CLGN // calmegin // 4q28.3-q31.1 // 1047 /// NM_001130675 // CLGN /	0.613197	0.136551	0.820941	0.009998	1.23
8158094	NM_144965	TTC16	NM_144965 // TTC16 // tetratricopeptide repeat domain 16 // 9q34.11 // 158248 //	0.564314	0.209093	0.865107	0.010011	1.14
7905020	NM_000798	DRD5	NM_000798 // DRD5 // dopamine receptor D5 // 4p16.1 // 1816 /// BC009748 // DRD5	0.659637	0.141289	0.213882	0.010015	-1.15
8004694	NM_144607	CYB5D1	NM_144607 // CYB5D1 // cytochrome b5 domain containing 1 // 17p13.1 // 124637 //	0.328404	0.696266	0.994203	0.010017	1.24
8047702	NM_012092	ICOS	NM_012092 // ICOS // inducible T-cell co-stimulator // 2q33 // 29851 /// ENST000	0.885413	0.181185	0.0644458	0.010073	1.24
8154729	---		---	0.816587	0.381635	0.55579	0.010075	1.17
8101624	NM_020803	KLHL8	NM_020803 // KLHL8 // kelch-like 8 (Drosophila) // 4q22.1 // 57563 /// ENST00000	0.90678	0.61745	0.0781164	0.010105	-1.16
7984475	NM_006091	CORO2B	NM_006091 // CORO2B // coronin, actin binding protein, 2B // 15q23 // 10391 ///	0.829888	0.751332	0.999593	0.010113	1.21
8161238	U66622	RAB1C	U66622 // RAB1C // RAB1C, member RAS oncogene family pseudogene // 9p13.2 // 441	0.423784	0.618559	0.130161	0.010126	-1.12
7927998	NM_025130	HKDC1	NM_025130 // HKDC1 // hexokinase domain containing 1 // 10q22.1 // 80201 /// ENS	0.361812	0.677631	0.359002	0.010168	-1.19

8110112	---		---	0.037342	0.022811	0.221153	0.010175	-1.16
7981181	NR_003002	SCARNA13	NR_003002 // SCARNA13 // small Cajal body-specific RNA 13 // 14q32.12 // 677768	0.076115	0.059846	0.3809	0.010175	1.27
8008795	NM_018149	C17orf71	NM_018149 // C17orf71 // chromosome 17 open reading frame 71 // 17q22 // 55181 /	0.400173	0.946948	0.202226	0.010181	-1.13
8125713	NM_003190	TAPBP	NM_003190 // TAPBP // TAP binding protein (tapasin) // 6p21.3 // 6892 /// NM_172	0.395118	0.379917	0.398708	0.010189	1.12
8127987	NR_002743	SNORD50A	NR_002743 // SNORD50A // small nucleolar RNA, C/D box 50A // 6q14.3 // 26799	0.028416	0.184364	0.517566	0.010249	1.26
8114593	NM_133174	APBB3	NM_133174 // APBB3 // amyloid beta (A4) precursor protein-binding, family B, mem	0.519049	0.545112	0.0028293	0.010251	-1.15
7920877	NM_001162383	ARHGEF2	NM_001162383 // ARHGEF2 // Rho/Rac guanine nucleotide exchange factor (GEF) 2 //	0.183661	0.027711	0.0818087	0.010253	-1.16
7933092	NM_021045	ZNF248	NM_021045 // ZNF248 // zinc finger protein 248 // 10p11.2 // 57209 /// ENST00000	0.00076	0.028644	0.521981	0.010285	1.15
8107421	NM_001284	AP3S1	NM_001284 // AP3S1 // adaptor-related protein complex 3, sigma 1 subunit // 5q22	0.708587	0.431558	0.17307	0.010378	1.14
8091243	NM_013363	PCOLCE2	NM_013363 // PCOLCE2 // procollagen C-endopeptidase enhancer 2 // 3q21-q24 // 26	0.478248	0.297734	0.504009	0.010385	-1.36
7995712	NM_032330	CAPNS2	NM_032330 // CAPNS2 // calpain, small subunit 2 // 16q12.2 // 84290 /// AY052551	0.555255	0.271501	0.376657	0.010408	1.17
8108749	NR_001281	PCDHB18	NR_001281 // PCDHB18 // protocadherin beta 18 pseudogene // 5q31 // 54660 /// AF	0.015287	0.334661	0.924022	0.010421	1.18

8138912	NM_012322	LSM5	NM_012322 // LSM5 // LSM5 homolog, U6 small nuclear RNA associated (S. cerevisia	0.340049	0.108964	0.591548	0.010428	1.16
8052947	NM_019885	CYP26B1	NM_019885 // CYP26B1 // cytochrome P450, family 26, subfamily B, polypeptide 1 /	0.038875	0.7984	0.824268	0.010429	-1.15
8129231	NM_024581	FAM184A	NM_024581 // FAM184A // family with sequence similarity 184, member A // 6q22.31	0.332168	0.834332	0.901955	0.010465	1.28
8035297	NM_031310	PLVAP	NM_031310 // PLVAP // plasmalemma vesicle associated protein // 19p13.2 // 83483	0.653143	0.816434	0.285711	0.010466	1.29
8072735	NM_145343	APOL1	NM_145343 // APOL1 // apolipoprotein L, 1 // 22q13.1 // 8542 /// NM_003661 // AP	0.653535	0.424277	0.658446	0.010469	-1.23
8118086	NM_007109	TCF19	NM_007109 // TCF19 // transcription factor 19 // 6p21.3 // 6941 /// NM_001077511	0.160254	0.232016	0.262066	0.010471	1.16
8101934	NM_001031723	DNAJB14	NM_001031723 // DNAJB14 // DnaJ (Hsp40) homolog, subfamily B, member 14 // 4q23	0.018562	0.221692	0.710217	0.010472	-1.15
7923875	NM_001007544	C1orf186	NM_001007544 // C1orf186 // chromosome 1 open reading frame 186 // 1q32.1 // 440	7.05E-05	0.582027	0.571757	0.010552	1.19
7946977	NM_006512	SAA4	NM_006512 // SAA4 // serum amyloid A4, constitutive // 11p15.1-p14 // 6291 /// E	0.300848	0.044462	0.0634865	0.010556	1.19
7974166	NM_020937	FANCM	NM_020937 // FANCM // Fanconi anemia, complementation group M // 14q21.2 // 5769	0.024826	0.255364	0.712855	0.010573	1.15
8041225	NM_014600	EHD3	NM_014600 // EHD3 // EH-domain containing 3 // 2p21 // 30845 /// ENST00000322054	0.255404	0.30951	0.597687	0.010594	-1.16

7980338	NM_024496	C14orf4	NM_024496 // C14orf4 // chromosome 14 open reading frame 4 // 14q24.3 // 64207 /	0.099482	0.5309	0.827721	0.010617	-1.15
8092534	NM_080652	TMEM41A	NM_080652 // TMEM41A // transmembrane protein 41A // 3q27.2 // 90407 /// ENST000	0.001608	0.656565	0.175971	0.010634	-1.18
8044745	NM_006773	DDX18	NM_006773 // DDX18 // DEAD (Asp-Glu-Ala-Asp) box polypeptide 18 // 2q14.1 // 888	0.517534	0.932356	0.529607	0.01064	-1.14
8130009	---		---	0.940152	0.675115	0.530397	0.010649	1.17
8141358	---		---	0.288255	0.583924	0.779629	0.010701	-1.18
8124437	NM_021018	HIST1H3F	NM_021018 // HIST1H3F // histone cluster 1, H3f // 6p22.2 // 8968 /// BC096131 /	0.000618	0.089502	0.733642	0.01071	1.17
8078442	NM_005508	CCR4	NM_005508 // CCR4 // chemokine (C-C motif) receptor 4 // 3p24 // 1233 /// ENST00	0.812696	0.468118	0.922354	0.010711	1.27
8140367	NM_002991	CCL24	NM_002991 // CCL24 // chemokine (C-C motif) ligand 24 // 7q11.23 // 6369 /// ENS	0.602528	0.570495	0.0990712	0.010714	1.34
7937700	NM_001001480	KRTAP5-5	NM_001001480 // KRTAP5-5 // keratin associated protein 5-5 // 11p15.5 // 439915	0.775175	0.734307	0.137787	0.010715	-1.21
7969300	NM_198441	PRR20A	NM_198441 // PRR20A // proline rich 20A // 13q21.1 // 122183 /// NM_001130404 //	0.255569	0.072426	0.248643	0.010733	-1.14
7969306	NM_198441	PRR20A	NM_198441 // PRR20A // proline rich 20A // 13q21.1 // 122183 /// NM_001130404 //	0.255569	0.072426	0.248643	0.010733	-1.14
7969312	NM_198441	PRR20A	NM_198441 // PRR20A // proline rich 20A // 13q21.1 // 122183 /// NM_001130404 //	0.255569	0.072426	0.248643	0.010733	-1.14

7969318	NM_198441	PRR20A	NM_198441 // PRR20A // proline rich 20A // 13q21.1 // 122183 /// NM_001130404 //	0.255569	0.072426	0.248643	0.010733	-1.14
7969324	NM_198441	PRR20A	NM_198441 // PRR20A // proline rich 20A // 13q21.1 // 122183 /// NM_001130404 //	0.255569	0.072426	0.248643	0.010733	-1.14
7898052	NM_001099852	PRAMEF20	NM_001099852 // PRAMEF20 // PRAME family member 20 // 1p36.21 // 645425 /// NM_0	0.700726	0.67677	0.105852	0.010759	-1.14
7905733	NM_006118	HAX1	NM_006118 // HAX1 // HCLS1 associated protein X-1 // 1q21.3 // 10456 /// NM_0010	0.019494	0.842631	0.914991	0.010769	-1.13
7930703	NM_139169	TRUB1	NM_139169 // TRUB1 // TruB pseudouridine (psi) synthase homolog 1 (E. coli) // 1	0.998766	0.068798	0.3016	0.010772	1.14
7896750	AK172782	GPAM	AK172782 // GPAM // glycerol-3-phosphate acyltransferase, mitochondrial // 10q25	0.108313	0.096954	0.0818826	0.010782	-1.24
8164918	NM_017585	SLC2A6	NM_017585 // SLC2A6 // solute carrier family 2 (facilitated glucose transporter)	0.346225	0.268324	0.990996	0.010785	-1.16
8086503	NM_001135179	ZDHHC3	NM_001135179 // ZDHHC3 // zinc finger, DHHC-type containing 3 // 3p21.31 // 5130	0.677994	0.071722	0.644237	0.010821	-1.14
7928429	NM_002658	PLAU	NM_002658 // PLAU // plasminogen activator, urokinase // 10q24 // 5328 /// NM_00	0.054997	0.101501	0.591961	0.010852	1.19
8002941	NM_199355	ADAMTS18	NM_199355 // ADAMTS18 // ADAM metallopeptidase with thrombospondin type 1 motif,	0.782305	0.806971	0.522147	0.010889	1.13
7985786	NM_013227	ACAN	NM_013227 // ACAN // aggrecan // 15q26.1 // 176 /// NM_001135 // ACAN // aggreca	0.366569	0.035349	0.344612	0.010892	1.13

7995258	NM_003414	ZNF267	NM_003414 // ZNF267 // zinc finger protein 267 // 16p11.2 // 10308 /// ENST00000	0.000753	0.15919	0.244448	0.010895	1.18
8059578	---		---	0.576926	0.766578	0.739335	0.010924	-1.19
8049682	NR_029702	MIR149	NR_029702 // MIR149 // microRNA 149 // 2q37.3 // 406941	0.16525	0.07362	0.288623	0.010987	1.14
8031867	---		---	0.775953	0.61238	0.473126	0.01099	1.19
8094609	NM_138389	FAM114A1	NM_138389 // FAM114A1 // family with sequence similarity 114, member A1 // 4p14	0.132643	0.200445	0.420935	0.010993	1.12
8124397	NM_005319	HIST1H1C	NM_005319 // HIST1H1C // histone cluster 1, H1c // 6p21.3 // 3006 /// ENST000003	0.388558	0.921403	0.242316	0.011013	-1.21
8063590	NM_002591	PCK1	NM_002591 // PCK1 // phosphoenolpyruvate carboxykinase 1 (soluble) // 20q13.31 /	0.1642	0.104797	0.868066	0.011032	-1.18
8093878	NM_153717	EVC	NM_153717 // EVC // Ellis van Creveld syndrome // 4p16 // 2121 /// ENST000003826	0.000168	0.378936	0.255645	0.011063	1.13
8147990	---		---	0.395708	0.268144	0.0377822	0.011075	-1.24
8028546	NM_002307	LGALS7	NM_002307 // LGALS7 // lectin, galactoside-binding, soluble, 7 // 19q13.2 // 396	0.323497	0.903496	0.961965	0.011084	1.17
8047692	NM_005214	CTLA4	NM_005214 // CTLA4 // cytotoxic T-lymphocyte-associated protein 4 // 2q33 // 149	0.800383	0.860329	0.684011	0.011098	1.25
8174105	NR_028089	NXF5	NR_028089 // NXF5 // nuclear RNA export factor 5 // Xq22 // 55998 /// NM_032946	0.091593	0.396113	0.0185885	0.011113	-1.13
8127370	NM_152688	KHDRBS2	NM_152688 // KHDRBS2 // KH domain containing, RNA binding, signal transduction a	0.109148	0.596071	0.430576	0.011144	-1.35
8148156	---		---	0.067349	0.669025	0.715738	0.011203	1.15
7966299	---		---	0.394739	0.08515	0.809206	0.011218	1.20

8081431	NM_001627	ALCAM	NM_001627 // ALCAM // activated leukocyte cell adhesion molecule // 3q13.1 // 21	0.238006	0.904993	0.299653	0.011236	-1.18
7961440	NM_024829	PLBD1	NM_024829 // PLBD1 // phospholipase B domain containing 1 // 12p13.1 // 79887 //	0.918643	0.695692	0.0233698	0.011248	-1.26
7931665	NM_001177376	DUX4L4	NM_001177376 // DUX4L4 // double homeobox 4 like 4 // 4q35.2 // 441056 /// NM_00	0.762329	0.323789	0.309332	0.011261	-1.21
7984330	NR_003105	ZWILCH	NR_003105 // ZWILCH // Zwilch, kinetochore associated, homolog (Drosophila) // 1	0.575934	0.098099	0.81514	0.011263	1.16
7973008	NM_001005500	OR4M1	NM_001005500 // OR4M1 // olfactory receptor, family 4, subfamily M, member 1 //	0.520999	0.864223	0.0128961	0.011294	-1.17
8102800	NM_014331	SLC7A11	NM_014331 // SLC7A11 // solute carrier family 7, (cationic amino acid transporte	0.002557	0.607024	0.295971	0.011298	-1.40
8114612	NM_000591	CD14	NM_000591 // CD14 // CD14 molecule // 5q22-q32|5q31.1 // 929 /// NM_001040021 //	0.351908	0.809899	0.781357	0.011307	-1.22
8136790	---		---	0.293977	0.664422	0.407366	0.011319	1.27
7973611	---		---	0.033288	0.582617	0.263433	0.011352	-1.13
7979269	NM_000161	GCH1	NM_000161 // GCH1 // GTP cyclohydrolase 1 // 14q22.1-q22.2 // 2643 /// NM_001024	0.110867	0.82463	0.582289	0.011352	-1.25
7905028	NR_027354	LOC645166	NR_027354 // LOC645166 // lymphocyte-specific protein 1 pseudogene // 1q21.1 //	0.120427	0.729066	0.71889	0.01136	1.19
7943051	NM_005467	NAALAD2	NM_005467 // NAALAD2 // N-acetylated alpha-linked acidic dipeptidase 2 // 11q14.	0.009817	0.383154	0.531138	0.011376	1.15
8163424	---		---	0.158622	0.367513	0.0674572	0.011377	1.18

7948493	NM_016582	SLC15A3	NM_016582 // SLC15A3 // solute carrier family 15, member 3 // 11q12.2 // 51296 /	0.613401	0.171018	0.353462	0.011402	-1.24
8082583	AY358247	ARVP6125	AY358247 // ARVP6125 // hypothetical LOC442092 // 3q22.1 // 442092 /// ENST00000	0.084289	0.576589	0.168262	0.011448	-1.15
7987163	ENST00000414268	FMN1	ENST00000414268 // FMN1 // formin 1 // 15q13.3 // 342184 /// ENST00000320930 //	0.107563	0.99443	0.294584	0.011497	-1.34
8100758	NM_001074	UGT2B7	NM_001074 // UGT2B7 // UDP glucuronosyltransferase 2 family, polypeptide B7 // 4	0.547544	0.858967	0.958992	0.011501	1.45
7979824	NM_001130004	ACTN1	NM_001130004 // ACTN1 // actinin, alpha 1 // 14q24.1-q24.2|14q24|14q22-q24 // 87	0.175401	0.772215	0.223734	0.0116	1.14
8015955	NM_020218	ATXN7L3	NM_020218 // ATXN7L3 // ataxin 7-like 3 // 17q21.31 // 56970 /// NM_001098833 //	0.043616	0.340977	0.359898	0.011611	-1.13
8169541	NM_144658	DOCK11	NM_144658 // DOCK11 // dedicator of cytokinesis 11 // Xq24 // 139818 /// ENST000	0.058161	0.449356	0.0208505	0.011625	-1.14
8007850	NM_001006607	LRRC37A2	NM_001006607 // LRRC37A2 // leucine rich repeat containing 37, member A2 // 17q2	0.12599	0.271024	0.359417	0.011632	1.20
7926807	NM_014317	PDSS1	NM_014317 // PDSS1 // prenyl (decaprenyl) diphosphate synthase, subunit 1 // 10p	0.086896	0.444725	0.422729	0.011652	-1.18
7969330	NM_001040429	PCDH17	NM_001040429 // PCDH17 // protocadherin 17 // 13q21.1 // 27253 /// ENST000003779	0.820746	0.791119	0.0348886	0.011654	-1.33
8097252	NM_001178007	BBS12	NM_001178007 // BBS12 // Bardet-Biedl syndrome 12 // 4q27 // 166379 /// NM_15261	0.554306	0.817297	0.547068	0.011662	1.16
8169000	---		---	0.030927	0.476654	0.957048	0.01171	1.12

8169859	NM_018990	SASH3	NM_018990 // SASH3 // SAM and SH3 domain containing 3 // Xq26 // 54440 /// ENST0	0.412962	0.857645	0.794441	0.011718	-1.16
8133233	NM_015570	AUTS2	NM_015570 // AUTS2 // autism susceptibility candidate 2 // 7q11.22 // 26053 ///	0.509047	0.855895	0.872725	0.011723	-1.13
8130539	NM_054114	TAGAP	NM_054114 // TAGAP // T-cell activation RhoGTPase activating protein // 6q25.3 /	0.968156	0.192573	0.903091	0.011733	1.21
8003611	NM_024792	FAM57A	NM_024792 // FAM57A // family with sequence similarity 57, member A // 17p13.3 /	0.062694	0.724972	0.44155	0.011769	1.12
8087780	---		---	0.042837	0.040833	0.945225	0.011772	1.15
8047577	NM_024744	ALS2CR8	NM_024744 // ALS2CR8 // amyotrophic lateral sclerosis 2 (juvenile) chromosome re	0.005741	0.284317	0.725974	0.011789	1.14
8093974	---		---	0.001494	0.331773	0.0371369	0.011791	-1.13
7923131	NM_001195215	DENND1B	NM_001195215 // DENND1B // DENN/MADD domain containing 1B // 1q31.3 // 163486 //	0.061255	0.972053	0.0104991	0.011803	1.16
8019083	NR_026857	FLJ90757	NR_026857 // FLJ90757 // hypothetical LOC440465 // 17q25.3 // 440465 /// AK12476	0.656679	0.182325	0.0167527	0.011814	-1.14
7910899	---		---	0.102779	0.100835	0.731194	0.011831	1.13
7971222	NM_004294	MTRF1	NM_004294 // MTRF1 // mitochondrial translational release factor 1 // 13q14.1-q1	0.010867	0.019422	0.138807	0.011837	1.13
8152668	NM_014109	ATAD2	NM_014109 // ATAD2 // ATPase family, AAA domain containing 2 // 8q24.13 // 29028	0.604108	0.031475	0.119119	0.011868	1.17
8175288	NM_019556	MOSPD1	NM_019556 // MOSPD1 // motile sperm domain containing 1 // Xq26.3 // 56180 /// E	0.806924	0.018429	0.118526	0.011913	1.18
8139845	---		---	0.190412	0.78617	0.0004948	0.011926	-1.12

8036304	NM_020917	ZFP14	NM_020917 // ZFP14 // zinc finger protein 14 homolog (mouse) // 19q13.12 // 5767	0.023392	0.664671	0.58766	0.011946	1.13
7945864	NM_001130520	ZNF195	NM_001130520 // ZNF195 // zinc finger protein 195 // 11p15.5 // 7748 /// NM_0011	0.497615	0.156262	0.134547	0.011949	1.13
8049689	NM_018226	RNPEPL1	NM_018226 // RNPEPL1 // arginyl aminopeptidase (aminopeptidase B)-like 1 // 2q37	0.006997	0.393242	0.941805	0.011958	-1.12
7901788	NM_001134673	NFIA	NM_001134673 // NFIA // nuclear factor I/A // 1p31.3-p31.2 // 4774 /// NM_005595	0.004534	0.848423	0.372053	0.011959	1.18
8159441	NM_001135861	PHPT1	NM_001135861 // PHPT1 // phosphohistidine phosphatase 1 // 9q34.3 // 29085 /// N	0.069541	0.899051	0.575918	0.011964	1.13
8030789	NM_014385	SIGLEC7	NM_014385 // SIGLEC7 // sialic acid binding Ig-like lectin 7 // 19q13.3 // 27036	0.004942	0.753411	0.428167	0.011964	-1.14
8139100	M30894	TARP	M30894 // TARP // TCR gamma alternate reading frame protein // 7p15-p14 // 44534	0.108711	0.441463	0.708228	0.012011	-1.24
8139769	AK125790	LOC401357	AK125790 // LOC401357 // hypothetical LOC401357 // 7p11.2 // 401357	0.546678	0.815244	0.460785	0.012049	-1.19
7922717	NM_002928	RGS16	NM_002928 // RGS16 // regulator of G-protein signaling 16 // 1q25-q31 // 6004 //	0.01888	0.015331	0.372592	0.012056	-1.19
8008933	NM_001099432	BCAS3	NM_001099432 // BCAS3 // breast carcinoma amplified sequence 3 // 17q23 // 54828	0.004621	0.687599	0.600584	0.012069	1.12
8163257	NM_057159	LPAR1	NM_057159 // LPAR1 // lysophosphatidic acid receptor 1 // 9q31.3 // 1902 /// NM_	0.140683	0.311606	0.185937	0.012107	1.13

8138857	NM_024051	GGCT	NM_024051 // GGCT // gamma-glutamylcyclotransferase // 7p15-p14 // 79017 /// ENS	0.03226	0.010751	0.133143	0.012144	1.19
8007154	NM_021939	FKBP10	NM_021939 // FKBP10 // FK506 binding protein 10, 65 kDa // 17q21.2 // 60681 ///	0.035564	0.978367	0.511823	0.012159	1.15
8070786	NM_198688	KRTAP10-6	NM_198688 // KRTAP10-6 // keratin associated protein 10-6 // 21q22.3 // 386674 /	0.941732	0.47595	0.372445	0.012197	-1.13
8005483	NM_031456	FBXW10	NM_031456 // FBXW10 // F-box and WD repeat domain containing 10 // 17p12 // 1051	0.65995	0.201852	0.863978	0.012251	1.20
7898679	NM_032264	NBPF3	NM_032264 // NBPF3 // neuroblastoma breakpoint family, member 3 // 1p36.12 // 84	0.101641	0.77885	0.930191	0.012258	1.14
8001455	---		---	0.685697	0.87492	0.418883	0.012278	-1.16
8101637	NM_178135	HSD17B13	NM_178135 // HSD17B13 // hydroxysteroid (17-beta) dehydrogenase 13 // 4q22.1 //	0.019142	0.605337	0.262262	0.012315	1.76
7990086	NM_020147	THAP10	NM_020147 // THAP10 // THAP domain containing 10 // 15q23 // 56906 /// ENST00000	0.754512	0.204278	0.247509	0.012319	1.12
8074251	NM_001696	ATP6V1E1	NM_001696 // ATP6V1E1 // ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1	0.221916	0.484486	0.177087	0.012353	-1.17
7982564	NM_152594	SPRED1	NM_152594 // SPRED1 // sprouty-related, EVH1 domain containing 1 // 15q14 // 161	0.437954	0.857443	0.441836	0.012361	1.15
8120679	NM_018665	DDX43	NM_018665 // DDX43 // DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 // 6q12-q13 // 5	0.345105	0.0037	0.877135	0.012384	-1.18
8165866	NM_000351	STS	NM_000351 // STS // steroid sulfatase (microsomal), isozyme S // Xp22.32 // 412	0.166798	6.41E-08	0.493964	0.012402	1.14

7962951	NM_003482	MLL2	NM_003482 // MLL2 // myeloid/lymphoid or mixed-lineage leukemia 2 // 12q12-q14 /	0.917518	0.866583	0.630764	0.012402	-1.19
7934297	---		---	0.450971	0.132367	0.250616	0.012437	1.27
8091554	---		---	0.303952	0.58436	0.389225	0.012449	1.15
8122426	NM_014721	PHACTR2	NM_014721 // PHACTR2 // phosphatase and actin regulator 2 // 6q24.2 // 9749 ///	0.022842	0.036297	0.293801	0.012483	-1.13
7952810	NM_014987	IGSF9B	NM_014987 // IGSF9B // immunoglobulin superfamily, member 9B // 11q25 // 22997 /	0.035422	0.647558	0.920177	0.01249	1.21
8044643	NR_026821	FAM138B	NR_026821 // FAM138B // family with sequence similarity 138, member B // 2q14.1	0.492126	0.760586	0.0037524	0.012494	-1.14
7905127	---		---	0.18554	0.562411	0.59163	0.012531	1.17
7946946	NM_004179	TPH1	NM_004179 // TPH1 // tryptophan hydroxylase 1 // 11p15.3-p14 // 7166 /// ENST000	0.544844	0.093278	0.363847	0.012531	1.13
8049965	NM_001077710	FAM110C	NM_001077710 // FAM110C // family with sequence similarity 110, member C // 2p25	0.279741	0.144513	0.135491	0.012545	1.13
8169061	NM_000533	PLP1	NM_000533 // PLP1 // proteolipid protein 1 // Xq22 // 5354 /// NM_001128834 // P	0.501166	0.236841	0.897756	0.012636	1.14
8027674	NM_018443	ZNF302	NM_018443 // ZNF302 // zinc finger protein 302 // 19q13.11 // 55900 /// NM_00101	0.006524	0.086091	0.989488	0.012655	1.12
7904137	NM_198268	HIPK1	NM_198268 // HIPK1 // homeodomain interacting protein kinase 1 // 1p13.2 // 2048	0.405636	0.334496	0.516709	0.012685	1.13
7981383	---		---	0.263183	0.220327	0.785796	0.012727	1.14
8138689	NM_003930	SKAP2	NM_003930 // SKAP2 // src kinase associated phosphoprotein 2 // 7p15.2 // 8935 /	0.483186	0.020623	0.390135	0.012736	-1.13

7924491	NM_022831	AIDA	NM_022831 // AIDA // axin interactor, dorsalization associated // 1q41 // 64853	0.209269	0.413175	0.528328	0.012758	-1.14
8009913	NR_003587	MYO15B	NR_003587 // MYO15B // myosin XVB pseudogene // 17q25.1 // 80022 /// BC027875 //	0.040517	0.462822	0.0141089	0.012765	-1.18
8121525	NM_153369	KIAA1919	NM_153369 // KIAA1919 // KIAA1919 // 6q22 // 91749 /// ENST00000368847 // KIAA19	0.262313	0.659522	0.66711	0.012782	1.13
8012931	NM_006382	CDRT1	NM_006382 // CDRT1 // CMT1A duplicated region transcript 1 // 17p12 // 374286 //	0.208471	0.041533	0.557125	0.012783	1.17
7912224	NM_003039	SLC2A5	NM_003039 // SLC2A5 // solute carrier family 2 (facilitated glucose/fructose tra	0.045236	0.576018	0.768917	0.012795	1.17
7907893	NM_001531	MR1	NM_001531 // MR1 // major histocompatibility complex, class I-related // 1q25.3	0.727986	0.123504	0.0087778	0.012796	1.15
8034974	NM_024794	EPHX3	NM_024794 // EPHX3 // epoxide hydrolase 3 // 19p13.12 // 79852 /// NM_001142886	0.235058	0.476454	0.391826	0.012859	1.13
8075981	AF324466	C22orf23	AF324466 // C22orf23 // chromosome 22 open reading frame 23 // 22q13.1 // 84645	0.744628	0.797969	0.686251	0.012862	1.15
8069811	NM_181624	KRTAP23-1	NM_181624 // KRTAP23-1 // keratin associated protein 23-1 // 21q22.1 // 337963 /	0.575105	0.7471	0.0933027	0.012868	-1.14
8027778	NR_028406	FXYD5	NR_028406 // FXYD5 // FXYD domain containing ion transport regulator 5 // 19q13.	0.007156	0.142228	0.360837	0.012891	1.12
7900922	NM_004047	ATP6V0B	NM_004047 // ATP6V0B // ATPase, H+ transporting, lysosomal 21kDa, V0 subunit b /	0.009323	0.939981	0.847648	0.012934	-1.19

7906622	NM_002348	LY9	NM_002348 // LY9 // lymphocyte antigen 9 // 1q23.3 // 4063 /// NM_001033667 // L	0.420265	0.781682	0.55594	0.012951	1.17
8102587	NM_024574	C4orf31	NM_024574 // C4orf31 // chromosome 4 open reading frame 31 // 4q27 // 79625 ///	0.116639	0.092522	0.0516728	0.01296	1.24
7907830	NM_002826	QSOX1	NM_002826 // QSOX1 // quiescin Q6 sulfhydryl oxidase 1 // 1q24 // 5768 /// NM_00	0.084099	0.098254	0.705623	0.012966	-1.15
7905938	NM_018845	RAG1AP1	NM_018845 // RAG1AP1 // recombination activating gene 1 activating protein 1 //	0.073784	0.405734	0.493166	0.01297	-1.15
7979473	NM_016029	DHRS7	NM_016029 // DHRS7 // dehydrogenase/reductase (SDR family) member 7 // 14q23.1 /	0.536938	0.809805	0.437751	0.012996	-1.14
8078603	---		---	0.199414	0.87191	0.270512	0.013003	-1.24
8113050	NM_004365	CETN3	NM_004365 // CETN3 // centrin, EF-hand protein, 3 // 5q14.3 // 1070 /// ENST0000	0.152686	0.142844	0.488606	0.013042	1.18
7990391	NM_000499	CYP1A1	NM_000499 // CYP1A1 // cytochrome P450, family 1, subfamily A, polypeptide 1 //	0.388883	0.962469	0.244573	0.013055	-1.31
8071981	NM_001145206	KIAA1671	NM_001145206 // KIAA1671 // KIAA1671 // 22q11.23 // 85379 /// ENST00000358431 //	0.339966	0.278773	0.670707	0.013073	1.15
7951838	NM_003904	ZNF259	NM_003904 // ZNF259 // zinc finger protein 259 // 11q23.3 // 8882 /// ENST000002	0.001271	0.820055	0.843106	0.013083	-1.16
7939383	NM_024841	PRR5L	NM_024841 // PRR5L // proline rich 5 like // 11p13-p12 // 79899 /// NM_001160167	0.251763	0.993519	0.236337	0.013091	1.15
8117470	NR_027795	BTN2A3	NR_027795 // BTN2A3 // butyrophilin, subfamily 2, member A3 // 6p22.1 // 54718 /	0.046701	0.204569	0.0572692	0.013126	1.12

8013915	---		---	0.510605	0.332901	0.0672237	0.013135	-1.12
8127158	NM_001498	GCLC	NM_001498 // GCLC // glutamate-cysteine ligase, catalytic subunit // 6p12 // 272	0.349912	0.062035	0.58896	0.013153	1.25
7919715	NM_030920	ANP32E	NM_030920 // ANP32E // acidic (leucine-rich) nuclear phosphoprotein 32 family, m	0.185587	0.031783	0.759893	0.013179	-1.14
7986509	ENST00000436525	C15orf51	ENST00000436525 // C15orf51 // dynamin 1 pseudogene // 15q26.3 // 196968	0.003455	0.025492	0.196429	0.013193	-1.34
7986512	ENST00000436525	C15orf51	ENST00000436525 // C15orf51 // dynamin 1 pseudogene // 15q26.3 // 196968	0.003455	0.025492	0.196429	0.013193	-1.34
7986527	---		---	0.003455	0.025492	0.196429	0.013193	-1.34
8162142	NM_030940	ISCA1	NM_030940 // ISCA1 // iron-sulfur cluster assembly 1 homolog (S. cerevisiae) //	0.210931	0.25458	0.97783	0.013207	1.14
8174677	NM_022101	CXorf56	NM_022101 // CXorf56 // chromosome X open reading frame 56 // Xq23 // 63932 ///	0.194487	0.800135	0.475008	0.01321	-1.14
7965789	NM_001177	ARL1	NM_001177 // ARL1 // ADP-ribosylation factor-like 1 // 12q23.2 // 400 /// ENST00	0.149826	0.339542	0.743287	0.013238	1.15
8180166	NM_003190	TAPBP	NM_003190 // TAPBP // TAP binding protein (tapasin) // 6p21.3 // 6892 /// NM_172	0.426992	0.750418	0.526857	0.013255	1.14
8117018	---		---	0.116613	0.090306	0.190815	0.013268	-1.44
8151991	---		---	0.158093	0.282753	0.653332	0.013296	1.14
8115562	NM_144726	RNF145	NM_144726 // RNF145 // ring finger protein 145 // 5q33.3 // 153830 /// ENST00000	0.514124	0.445462	0.468151	0.013353	-1.12
8040419	NM_005378	MYCN	NM_005378 // MYCN // v-myc myelocytomatosis viral related oncogene, neuroblastom	0.989012	0.130393	0.973149	0.013358	1.13

8005043	NR_034145	FLJ34690	NR_034145 // FLJ34690 // hypothetical protein FLJ34690 // 17p12 // 284034 /// NR	0.015063	0.036952	0.727283	0.013371	1.12
7957608	NR_030171	MIR492	NR_030171 // MIR492 // microRNA 492 // 12q22 // 574449 /// NR_036685 // KRT19P2	0.059973	0.952589	0.0573212	0.013373	1.16
8096335	NM_017912	HERC6	NM_017912 // HERC6 // hect domain and RLD 6 // 4q22.1 // 55008 /// NM_001165136	0.79354	0.855289	0.867059	0.013401	1.23
7990757	NM_004390	CTSH	NM_004390 // CTSH // cathepsin H // 15q25.1 // 1512 /// ENST00000220166 // CTSH	0.367661	0.226062	0.245015	0.013403	-1.23
8015221	NM_033059	KRTAP4-11	NM_033059 // KRTAP4-11 // keratin associated protein 4-11 // 17q21.2 // 653240 /	0.739268	0.754768	0.0330943	0.013405	-1.17
8156861	NM_017919	STX17	NM_017919 // STX17 // syntaxin 17 // 9q31.1 // 55014 /// ENST00000259400 // STX1	0.013916	0.220311	0.730469	0.013419	1.12
8026407	NM_033025	SYDE1	NM_033025 // SYDE1 // synapse defective 1, Rho GTPase, homolog 1 (C. elegans) //	0.380178	0.065531	0.267701	0.013431	-1.12
7957167	NM_018279	TMEM19	NM_018279 // TMEM19 // transmembrane protein 19 // 12q21.1 // 55266 /// ENST0000	0.054372	0.862582	0.225468	0.013453	1.14
7940441	NM_014224	PGA5	NM_014224 // PGA5 // pepsinogen 5, group I (pepsinogen A) // 11q13 // 5222 /// N	0.237146	0.963694	0.456765	0.01346	-1.12
8094056	NM_053044	HTRA3	NM_053044 // HTRA3 // HtrA serine peptidase 3 // 4p16.1 // 94031 /// ENST0000030	0.357127	0.78143	0.955704	0.013472	1.20
8120061	NM_014936	ENPP4	NM_014936 // ENPP4 // ectonucleotide pyrophosphatase/phosphodiesterase 4 (putati	0.292423	0.538334	0.0450771	0.013488	-1.14

8051413	NM_015475	FAM98A	NM_015475 // FAM98A // family with sequence similarity 98, member A // 2p22.3 //	0.441117	0.023977	0.760385	0.013498	1.15
7977472	NM_001005239	OR11H1	NM_001005239 // OR11H1 // olfactory receptor, family 11, subfamily H, member 1 /	0.51523	0.908492	0.0075849	0.013531	-1.14
7983405	NM_207581	DUOXA2	NM_207581 // DUOXA2 // dual oxidase maturation factor 2 // 15q15.1 // 405753 ///	0.81766	0.70791	0.531684	0.013538	-1.11
8110755	NM_006598	SLC12A7	NM_006598 // SLC12A7 // solute carrier family 12 (potassium/chloride transporter	0.081621	0.661872	0.0661288	0.013559	1.13
7952490	NM_005103	FEZ1	NM_005103 // FEZ1 // fasciculation and elongation protein zeta 1 (zygin I) // 11	0.423551	0.08541	0.622643	0.013572	-1.17
7911333	NR_029406	FLJ43681	NR_029406 // FLJ43681 // ribosomal protein L23a pseudogene // 17q25.3 // 388574	0.160534	0.257497	0.757984	0.013581	1.12
8069470	NR_026982	RPL23AP82	NR_026982 // RPL23AP82 // ribosomal protein L23a pseudogene 82 // 22q13.33 // 28	0.160534	0.257497	0.757984	0.013581	1.12
8163426	---		---	0.445522	0.191779	0.0460431	0.013583	1.12
8110803	NM_030782	CLPTM1L	NM_030782 // CLPTM1L // CLPTM1-like // 5p15.33 // 81037 /// ENST00000320895 // C	0.016294	0.337857	0.795085	0.013592	-1.12
8034512	NR_002751	SNORD41	NR_002751 // SNORD41 // small nucleolar RNA, C/D box 41 // 19p13.2 // 26810	0.287547	0.290024	0.875968	0.013607	1.20
8141791	NM_001097615	POLR2J3	NM_001097615 // POLR2J3 // polymerase (RNA) II (DNA directed) polypeptide J3 //	0.288073	0.204221	0.205559	0.013618	-1.21
8147988	---		---	0.401065	0.60607	0.0509368	0.013695	-1.38
8046573	NR_027850	MTX2	NR_027850 // MTX2 // metaxin 2 // 2q31.1 // 10651 /// NM_006554 // MTX2 // metax	0.800709	0.988326	0.467757	0.013711	1.13

7914212	NR_002987	SNORA61	NR_002987 // SNORA61 // small nucleolar RNA, H/ACA box 61 // 1p35.3 // 677838 //	0.045447	0.416225	0.0152831	0.013727	1.21
7981068	NM_001002236	SERPINA1	NM_001002236 // SERPINA1 // serpin peptidase inhibitor, clade A (alpha-1 antipro	0.044571	0.375312	0.158208	0.013734	-1.26
7957467	NM_001009894	C12orf29	NM_001009894 // C12orf29 // chromosome 12 open reading frame 29 // 12q21.32 // 9	0.799474	0.254672	0.997204	0.013744	-1.13
7906720	NM_004106	FCER1G	NM_004106 // FCER1G // Fc fragment of IgE, high affinity I, receptor for; gamma	0.137513	0.659061	0.0362215	0.01378	-1.25
7929344	NM_181745	GPR120	NM_181745 // GPR120 // G protein-coupled receptor 120 // 10q23.33 // 338557 ///	0.028402	0.044427	0.0410646	0.013784	-1.31
8149638	NM_003974	DOK2	NM_003974 // DOK2 // docking protein 2, 56kDa // 8p21.3 // 9046 /// ENST00000276	0.842645	0.613773	0.719464	0.013785	-1.23
8139792	---		---	0.955481	0.921001	0.0068249	0.013787	-1.12
7905329	NM_006818	MLLT11	NM_006818 // MLLT11 // myeloid/lymphoid or mixed-lineage leukemia (trithorax hom	0.003522	0.934998	0.680709	0.01379	1.14
8112914	---		---	0.924066	0.926141	0.36671	0.013795	1.20
8089038	---		---	0.924066	0.926141	0.36671	0.013795	1.20
8107119	NM_198507	FAM174A	NM_198507 // FAM174A // family with sequence similarity 174, member A // 5q21.1	0.232881	0.731959	0.705027	0.013818	1.19
8082406	---		---	0.360605	0.475065	0.419451	0.01382	-1.15
8161507	---		---	0.817178	0.568381	0.0051562	0.01385	-1.19
7941985	NM_006019	TCIRG1	NM_006019 // TCIRG1 // T-cell, immune regulator 1, ATPase, H+ transporting, lyso	0.039731	0.979531	0.382855	0.013867	-1.12
8135576	NM_015641	TES	NM_015641 // TES // testis derived transcript (3 LIM domains) // 7q31.2 // 26136	0.922158	0.307348	0.347997	0.01389	-1.13

7922229	NM_000450	SELE	NM_000450 // SELE // selectin E // 1q22-q25 // 6401 /// ENST00000333360 // SELE	0.013756	0.5362	0.550835	0.01396	1.88
7907970	---		---	0.394634	0.602544	0.512384	0.013979	-1.13
7994769	NM_001193333	CORO1A	NM_001193333 // CORO1A // coronin, actin binding protein, 1A // 16p11.2 // 11151	0.077865	0.49218	0.54971	0.014028	-1.23
7942372	NM_000803	FOLR2	NM_000803 // FOLR2 // folate receptor 2 (fetal) // 11q13.3-q13.5 // 2350 /// NM_	0.92806	0.340965	0.192037	0.014061	1.22
8140356	---		---	0.00411	0.969142	0.459186	0.01411	-1.28
7948033	---		---	0.008682	0.485639	0.38304	0.014147	-1.14
8119712	NM_003131	SRF	NM_003131 // SRF // serum response factor (c-fos serum response element-binding	0.112471	0.955204	0.928158	0.014148	-1.15
8166630	---		---	0.142711	0.135527	0.905874	0.014163	1.13
8006540	NR_003037	SNORD7	NR_003037 // SNORD7 // small nucleolar RNA, C/D box 7 // 17q12 // 692076	0.398966	0.031717	0.0244367	0.014167	1.16
7943367	---		---	0.057125	0.413743	0.934795	0.014195	1.21
8066262	NR_003018	SNORA71D	NR_003018 // SNORA71D // small nucleolar RNA, H/ACA box 71D // 20q11.23 // 67784	0.004733	0.777768	0.215606	0.014208	1.21
8116992	---		---	0.211834	0.568827	0.635097	0.014224	1.28
8093624	NM_001145856	SH3BP2	NM_001145856 // SH3BP2 // SH3-domain binding protein 2 // 4p16.3 // 6452 /// NM_	0.300466	0.379871	0.115974	0.014272	-1.11
7969559	ENST00000393073	PTMAP5	ENST00000393073 // PTMAP5 // prothymosin, alpha pseudogene 5 // 13q31.1 // 15092	0.290565	0.3557	0.0770044	0.014309	1.12
8100231	NM_003215	TEC	NM_003215 // TEC // tec protein tyrosine kinase // 4p12 // 7006 /// ENST00000381	0.266414	0.717412	0.435238	0.014334	-1.12

7922976	NM_000963	PTGS2	NM_000963 // PTGS2 // prostaglandin-endoperoxide synthase 2 (prostaglandin G/H s	0.203593	0.40382	0.567074	0.01435	1.39
7968746	NM_007187	WBP4	NM_007187 // WBP4 // WW domain binding protein 4 (formin binding protein 21) //	0.175697	0.685575	0.906612	0.014377	-1.15
7952339	NR_001453	SNORD14C	NR_001453 // SNORD14C // small nucleolar RNA, C/D box 14C // 11q23.3-q25 // 8538	0.296658	0.107854	0.337383	0.014405	1.27
8152264	NM_001385	DPYS	NM_001385 // DPYS // dihydropyrimidinase // 8q22 // 1807 /// ENST00000351513 //	0.811313	0.675818	0.121986	0.014454	1.20
7903786	NM_000757	CSF1	NM_000757 // CSF1 // colony stimulating factor 1 (macrophage) // 1p21-p13 // 143	0.122009	0.462154	0.647168	0.014464	1.13
7928695	NM_032333	C10orf58	NM_032333 // C10orf58 // chromosome 10 open reading frame 58 // 10q23.1 // 84293	0.54589	0.111045	0.208236	0.014465	1.12
8054192	NM_138798	MITD1	NM_138798 // MITD1 // MIT, microtubule interacting and transport, domain contain	0.702884	0.278503	0.690538	0.014472	1.15
7908072	NM_005562	LAMC2	NM_005562 // LAMC2 // laminin, gamma 2 // 1q25-q31 // 3918 /// NM_018891 // LAMC	0.471238	0.384742	0.530337	0.014495	1.25
8142019	NM_002553	ORC5	NM_002553 // ORC5 // origin recognition complex, subunit 5 // 7q22.1 // 5001 ///	0.835199	0.013229	0.82013	0.014496	1.13
7911213	---		---	0.745168	0.434288	0.535134	0.014519	-1.13
7923372	NM_012396	PHLDA3	NM_012396 // PHLDA3 // pleckstrin homology-like domain, family A, member 3 // 1q	0.476851	0.01582	0.898818	0.014551	1.14
7962139	ENST00000266524	OVOS2	ENST00000266524 // OVOS2 // ovostatin 2 // 12p11.21 // 144203	0.260776	0.937283	0.847039	0.014573	1.12
8008038	---		---	0.086322	0.180654	0.35813	0.014579	-1.13

7923917	NM_005449	FAIM3	NM_005449 // FAIM3 // Fas apoptotic inhibitory molecule 3 // 1q32.1 // 9214 ///	0.285212	0.738927	0.986612	0.01459	1.21
8035842	NM_003430	ZNF91	NM_003430 // ZNF91 // zinc finger protein 91 // 19p12 // 7644 /// ENST0000030061	0.012547	0.458925	0.558644	0.014599	1.14
8161857	NM_018339	RFK	NM_018339 // RFK // riboflavin kinase // 9q21.13 // 55312 /// ENST00000376736 //	0.659269	0.134756	0.333717	0.014599	1.14
8125289	NR_001284	TNXA	NR_001284 // TNXA // tenascin XA pseudogene // 6p21.3 // 7146 /// NM_032470 // T	0.132772	0.060272	0.559941	0.014602	1.22
8132515	NM_000712	BLVRA	NM_000712 // BLVRA // biliverdin reductase A // 7p14-cen // 644 /// ENST00000402	0.98065	0.12523	0.0329428	0.01461	-1.12
8085358	---		---	0.258689	0.429188	0.499648	0.014645	1.21
7979455	NM_021136	RTN1	NM_021136 // RTN1 // reticulon 1 // 14q23.1 // 6252 /// NM_206852 // RTN1 // ret	0.152789	0.454021	0.305698	0.014645	-1.16
8139128	---		---	0.502715	0.730092	0.593743	0.014667	1.17
8102751	NM_144643	SCLT1	NM_144643 // SCLT1 // sodium channel and clathrin linker 1 // 4q28.2 // 132320 /	0.645956	0.053965	0.420943	0.01468	1.15
8160557	---		---	0.234666	0.112108	0.549495	0.014733	1.26
7914322	NR_004054	SNORD103A	NR_004054 // SNORD103A // small nucleolar RNA, C/D box 103A // 1p35.2 // 692234	0.45725	0.654854	0.0148432	0.014735	1.13
7914324	NR_004054	SNORD103A	NR_004054 // SNORD103A // small nucleolar RNA, C/D box 103A // 1p35.2 // 692234	0.45725	0.654854	0.0148432	0.014735	1.13
8111490	NM_000949	PRLR	NM_000949 // PRLR // prolactin receptor // 5p13.2 // 5618 /// ENST00000382002 //	0.322094	0.034655	0.156451	0.014744	-1.12

8086689	NM_000258	MYL3	NM_000258 // MYL3 // myosin, light chain 3, alkali; ventricular, skeletal, slow	0.548152	0.56186	0.406082	0.014755	-1.12
7940431	NM_001079808	PGA4	NM_001079808 // PGA4 // pepsinogen 4, group I (pepsinogen A) // 11q12.2 // 64384	0.165372	0.912437	0.491085	0.014758	-1.11
8109597	NM_145049	UBLCP1	NM_145049 // UBLCP1 // ubiquitin-like domain containing CTD phosphatase 1 // 5q3	0.237626	0.027274	0.204458	0.01476	1.15
7914094	NM_006990	WASF2	NM_006990 // WASF2 // WAS protein family, member 2 // 1p36.11 // 10163 /// ENST0	0.615201	0.818516	0.902904	0.014774	-1.13
7926330	NM_001080836	MEIG1	NM_001080836 // MEIG1 // meiosis expressed gene 1 homolog (mouse) // 10p13 // 64	0.68886	0.153177	0.781976	0.014781	1.15
8172425	NM_033518	SLC38A5	NM_033518 // SLC38A5 // solute carrier family 38, member 5 // Xp11.23 // 92745 /	0.380338	0.742545	0.94126	0.014782	-1.19
8053447	---		---	0.137266	0.120601	0.498718	0.014802	1.16
7908597	NM_205860	NR5A2	NM_205860 // NR5A2 // nuclear receptor subfamily 5, group A, member 2 // 1q32.1	0.649952	0.454918	0.420532	0.014813	-1.22
7986517	ENST00000436525	C15orf51	ENST00000436525 // C15orf51 // dynamin 1 pseudogene // 15q26.3 // 196968	0.003949	0.029351	0.209359	0.014819	-1.33
7986522	ENST00000436525	C15orf51	ENST00000436525 // C15orf51 // dynamin 1 pseudogene // 15q26.3 // 196968	0.003949	0.029351	0.209359	0.014819	-1.33
8030796	NR_002804	SIGLECP3	NR_002804 // SIGLECP3 // sialic acid binding Ig-like lectin, pseudogene 3 // 19q	0.056875	0.528045	0.288658	0.01482	1.13
7910792	NM_001035	RYR2	NM_001035 // RYR2 // ryanodine receptor 2 (cardiac) // 1q43 // 6262 /// ENST0000	0.025438	0.530626	0.702923	0.014856	1.24

8104012	---		---	0.102022	0.051525	0.0672853	0.014862	1.26
8176174	NM_002436	MPP1	NM_002436 // MPP1 // membrane protein, palmitoylated 1, 55kDa // Xq28 // 4354 //	0.023035	0.490584	0.307808	0.014863	-1.19
8015376	NM_005557	KRT16	NM_005557 // KRT16 // keratin 16 // 17q21.2 // 3868 /// ENST00000301653 // KRT16	0.032218	0.454144	0.598741	0.014883	1.12
8146955	---		---	0.028234	0.239435	0.312039	0.014891	-1.23
7959251	NR_033948	P2RX7	NR_033948 // P2RX7 // purinergic receptor P2X, ligand-gated ion channel, 7 // 12	0.231553	0.720288	0.119685	0.014959	-1.21
7962029	NM_183378	OVCH1	NM_183378 // OVCH1 // ovochymase 1 // 12p11.22 // 341350 /// ENST00000318184 //	0.014057	0.659593	0.0657413	0.014962	-1.23
7928838	NM_007078	LDB3	NM_007078 // LDB3 // LIM domain binding 3 // 10q22.3-q23.2 // 11155 /// NM_00117	0.368914	0.164414	0.802453	0.014984	1.15
7939150	NM_024081	PRRG4	NM_024081 // PRRG4 // proline rich Gla (G-carboxyglutamic acid) 4 (transmembrane	0.693359	0.558969	0.791757	0.015013	-1.20
8001067	NR_002827	HERC2P4	NR_002827 // HERC2P4 // hect domain and RLD 2 pseudogene 4 // 16p11.2 // 440362	0.00068	0.24811	0.150036	0.015093	-1.17
8027312	NM_001001415	ZNF429	NM_001001415 // ZNF429 // zinc finger protein 429 // 19p13.1 // 353088 /// ENST0	0.008299	0.172103	0.928724	0.015136	1.17
8153201	NM_012154	EIF2C2	NM_012154 // EIF2C2 // eukaryotic translation initiation factor 2C, 2 // 8q24 //	0.183426	0.958215	0.921406	0.015172	-1.13
8058063	NM_144629	RFTN2	NM_144629 // RFTN2 // raftlin family member 2 // 2q33.1 // 130132 /// ENST000002	0.005102	0.845747	0.0925418	0.015173	1.26

7996377	NM_001190201	CES4A	NM_001190201 // CES4A // carboxylesterase 4A // 16q22.1 // 283848 /// NM_173815	0.747607	0.042846	0.332386	0.015217	1.25
7965152	---		---	0.150176	0.691239	0.425698	0.01522	1.20
8096116	NM_032717	AGPAT9	NM_032717 // AGPAT9 // 1-acylglycerol-3-phosphate O-acyltransferase 9 // 4q21.23	0.105429	0.878436	0.201344	0.015231	-1.18
8083272	NM_004130	GYG1	NM_004130 // GYG1 // glycogenin 1 // 3q24-q25.1 // 2992 /// NM_001184720 // GYG1	0.484678	0.389852	0.491219	0.015235	-1.12
7953508	NM_000365	TPI1	NM_000365 // TPI1 // triosephosphate isomerase 1 // 12p13 // 7167 /// NM_0011592	0.00193	0.998775	0.772809	0.015248	-1.13
8130891	NM_182552	WDR27	NM_182552 // WDR27 // WD repeat domain 27 // 6q27 // 253769 /// ENST00000333572	0.042774	0.053945	0.0658139	0.015259	1.16
8098758	NM_133474	ZNF721	NM_133474 // ZNF721 // zinc finger protein 721 // 4p16.3 // 170960 /// ENST00000	0.0008	0.092853	0.813453	0.015309	1.18
8020141	NM_153000	APCDD1	NM_153000 // APCDD1 // adenomatosis polyposis coli down-regulated 1 // 18p11.22	0.938095	0.672604	0.584813	0.01533	1.16
7919751	NM_021960	MCL1	NM_021960 // MCL1 // myeloid cell leukemia sequence 1 (BCL2-related) // 1q21 //	0.372206	0.326416	0.762859	0.015345	-1.13
8098604	NM_181726	ANKRD37	NM_181726 // ANKRD37 // ankyrin repeat domain 37 // 4q35.1 // 353322 /// NM_0183	0.862079	0.756474	0.975688	0.015352	1.17
7965573	NM_021229	NTN4	NM_021229 // NTN4 // netrin 4 // 12q22 // 59277 /// ENST00000343702 // NTN4 // n	0.045272	0.025769	0.157185	0.015363	-1.15
7926875	NM_012342	BAMBI	NM_012342 // BAMBI // BMP and activin membrane-bound inhibitor homolog (Xenopus	0.029422	0.036486	0.625897	0.015379	-1.19

8146837	---		---	0.139351	0.164184	0.257436	0.015429	1.19
8083166	NM_003304	TRPC1	NM_003304 // TRPC1 // transient receptor potential cation channel, subfamily C,	0.000108	0.96729	0.949131	0.015429	1.17
8139270	NM_006989	RASA4	NM_006989 // RASA4 // RAS p21 protein activator 4 // 7q22 // 10156 /// NM_001079	0.444624	0.137137	0.0977759	0.015465	1.16
8032094	NM_024888	LPPR3	NM_024888 // LPPR3 // lipid phosphate phosphatase-related protein type 3 // 19p1	0.736782	0.731269	0.769853	0.015483	1.14
8093104	NM_138461	TM4SF19	NM_138461 // TM4SF19 // transmembrane 4 L six family member 19 // 3q29 // 116211	0.041689	0.481598	0.582057	0.015544	1.33
7933842	NM_178505	TMEM26	NM_178505 // TMEM26 // transmembrane protein 26 // 10q21.2 // 219623 /// ENST000	0.268456	0.428842	0.413235	0.015545	-1.16
7932881	AK094743	LOC390414	AK094743 // LOC390414 // hypothetical LOC390414 // 10p11.22 // 390414 /// ENST00	0.26608	0.395672	0.568499	0.015557	-1.14
8066536	NM_080827	WFDC6	NM_080827 // WFDC6 // WAP four-disulfide core domain 6 // 20q13.12 // 140870 ///	0.355252	0.97695	0.951371	0.015607	1.25
8042356	NM_002398	MEIS1	NM_002398 // MEIS1 // Meis homeobox 1 // 2p14 // 4211 /// ENST00000272369 // MEI	0.000222	0.428127	0.223988	0.015642	-1.20
7964436	NM_032496	ARHGAP9	NM_032496 // ARHGAP9 // Rho GTPase activating protein 9 // 12q14 // 64333 /// NM	0.930341	0.48498	0.302612	0.01566	-1.14
7984952	NM_015492	C15orf39	NM_015492 // C15orf39 // chromosome 15 open reading frame 39 // 15q24.2 // 56905	0.254626	0.456969	0.041056	0.015693	-1.12
7905079	NM_003516	HIST2H2AA3	NM_003516 // HIST2H2AA3 // histone cluster 2, H2aa3 // 1q21.2 // 8337 /// NM_001	0.25045	0.157591	0.999593	0.015726	-1.16

7919619	NM_003516	HIST2H2AA3	NM_003516 // HIST2H2AA3 // histone cluster 2, H2aa3 // 1q21.2 // 8337 /// NM_001	0.25045	0.157591	0.999593	0.015726	-1.16
8029854	NM_005628	SLC1A5	NM_005628 // SLC1A5 // solute carrier family 1 (neutral amino acid transporter),	0.119444	0.785774	0.460087	0.01575	-1.12
8044499	NM_005415	SLC20A1	NM_005415 // SLC20A1 // solute carrier family 20 (phosphate transporter), member	0.10024	0.65626	0.533859	0.015752	-1.17
8051030	NM_021095	SLC5A6	NM_021095 // SLC5A6 // solute carrier family 5 (sodium-dependent vitamin transpo	0.002249	0.327756	0.252128	0.015763	-1.15
7959153	NM_004373	COX6A1	NM_004373 // COX6A1 // cytochrome c oxidase subunit VIa polypeptide 1 // 12q24.2	0.025857	0.02348	0.801847	0.015792	-1.13
7974080	NM_054024	MIA2	NM_054024 // MIA2 // melanoma inhibitory activity 2 // 14q13.2 // 117153 /// ENS	0.145632	0.627021	0.262431	0.015818	-1.14
7997192	NM_020995	HPR	NM_020995 // HPR // haptoglobin-related protein // 16q22.1 // 3250 /// ENST00000	0.012602	0.771101	0.370106	0.015828	-1.37
8104447	---		---	0.095621	0.255695	0.49195	0.015857	1.14
8007118	NM_001190460	KRTAP9-1	NM_001190460 // KRTAP9-1 // keratin associated protein 9-1 // 17q21.2 // 728318	0.835401	0.760634	0.935257	0.015863	-1.15
8112726	---		---	0.041376	0.523131	0.670126	0.015868	1.13
7956281	NM_007264	GPR182	NM_007264 // GPR182 // G protein-coupled receptor 182 // 12q13.3 // 11318 /// EN	0.899017	0.193419	0.127759	0.015887	-1.13
8100547	---		---	0.754392	0.595011	0.259382	0.015894	1.20
8018816	---		---	0.342596	0.156143	0.523029	0.015905	1.13
8117330	NM_003529	HIST1H3A	NM_003529 // HIST1H3A // histone cluster 1, H3a // 6p21.3 // 8350 /// BC066245 /	0.397922	0.907462	0.882543	0.015944	-1.18

7929990	NM_015062	PPRC1	NM_015062 // PPRC1 // peroxisome proliferator-activated receptor gamma, coactiva	0.00198	0.797056	0.563106	0.015977	-1.18
7925749	NM_001001821	OR2T34	NM_001001821 // OR2T34 // olfactory receptor, family 2, subfamily T, member 34 /	0.606436	0.411696	0.0086849	0.016007	-1.13
8101945	NM_002106	H2AFZ	NM_002106 // H2AFZ // H2A histone family, member Z // 4q24 // 3015 /// ENST00000	0.03183	0.120246	0.296137	0.016037	-1.14
7982004	NR_003361	SNORD116-2	NR_003361 // SNORD116-28 // small nucleolar RNA, C/D box 116-28 // 15q11.2 // 10	0.024894	0.71427	0.397446	0.01606	1.17
8124502	NM_007149	ZNF184	NM_007149 // ZNF184 // zinc finger protein 184 // 6p21.3 // 7738 /// ENST0000021	0.066483	0.729979	0.006784	0.016089	1.11
8094743	NM_004310	RHOH	NM_004310 // RHOH // ras homolog gene family, member H // 4p13 // 399 /// ENST00	0.488621	0.589912	0.961608	0.016092	1.23
7995825	NM_005949	MT1F	NM_005949 // MT1F // metallothionein 1F // 16q13 // 4494 /// ENST00000334350 //	0.011991	0.436019	0.132432	0.016108	1.18
8099537	---		---	0.037938	0.731545	0.0358721	0.016192	-1.34
8140463	NM_006682	FGL2	NM_006682 // FGL2 // fibrinogen-like 2 // 7q11.23 // 10875 /// ENST00000248598 /	0.662095	0.815634	0.855502	0.016206	1.29
8032212	AK127759	NDUFS7	AK127759 // NDUFS7 // NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NAD	0.83636	0.768467	0.0042897	0.016231	-1.17
8030360	NR_000021	SNORD32A	NR_000021 // SNORD32A // small nucleolar RNA, C/D box 32A // 19q13.3 // 26819 //	0.396353	0.247928	0.931443	0.016237	1.23
8175900	NM_001164741	ARHGAP4	NM_001164741 // ARHGAP4 // Rho GTPase activating protein 4 // Xq28 // 393 /// NM	0.121235	0.803733	0.312083	0.016268	-1.13

8121743	---		---	0.663712	0.534591	0.513813	0.016278	1.12
8145529	---		---	0.473587	0.965304	0.174319	0.016283	-1.21
8032829	NM_001080400	PLIN4	NM_001080400 // PLIN4 // perilipin 4 // 19p13.3 // 729359 /// ENST00000301286 //	0.338637	0.199266	0.564445	0.016283	1.14
8097288	NM_024582	FAT4	NM_024582 // FAT4 // FAT tumor suppressor homolog 4 (Drosophila) // 4q28.1 // 79	0.097096	0.621696	0.125035	0.016318	1.18
7911566	---		---	0.067568	0.422598	0.006573	0.016341	-1.17
8039945	---		---	0.067568	0.422598	0.006573	0.016341	-1.17
8037474	NM_013256	ZNF180	NM_013256 // ZNF180 // zinc finger protein 180 // 19q13.2 // 7733 /// ENST000002	0.087549	0.988908	0.909158	0.016354	1.12
7909628	NM_014053	FLVCR1	NM_014053 // FLVCR1 // feline leukemia virus subgroup C cellular receptor 1 // 1	0.915857	0.026495	0.202145	0.016465	1.14
8138553	NM_032581	FAM126A	NM_032581 // FAM126A // family with sequence similarity 126, member A // 7p15.3	0.172751	0.399232	0.538299	0.016504	-1.16
8007130	NM_031963	KRTAP9-8	NM_031963 // KRTAP9-8 // keratin associated protein 9-8 // 17q12-q21 // 83901 //	0.106915	0.84198	0.666092	0.016509	-1.13
7936826	NM_022466	IKZF5	NM_022466 // IKZF5 // IKAROS family zinc finger 5 (Pegasus) // 10q26 // 64376 //	0.001978	0.900314	0.0814226	0.016525	-1.13
8117395	NM_003522	HIST1H2BF	NM_003522 // HIST1H2BF // histone cluster 1, H2bf // 6p21.3 // 8343 /// BC056264	0.038161	0.666309	0.439942	0.016557	1.22
7926936	NM_024688	C10orf68	NM_024688 // C10orf68 // chromosome 10 open reading frame 68 // 10p11.22 // 7974	0.205399	0.400775	0.940495	0.016593	1.13
8015323	NM_153490	KRT13	NM_153490 // KRT13 // keratin 13 // 17q12-q21.2 // 3860 /// NM_002274 // KRT13 /	0.208566	0.508827	0.532414	0.016604	1.25

8121043	NM_181837	ORC3	NM_181837 // ORC3 // origin recognition complex, subunit 3 // 6q14.3-q16.1 // 23	0.201476	0.15583	0.848612	0.016625	1.13
7916775	---		---	0.034613	0.33389	0.491648	0.016626	-1.23
7911701	NM_024848	MORN1	NM_024848 // MORN1 // MORN repeat containing 1 // 1p36.33-p36.32 // 79906 /// EN	0.558306	0.531417	0.78074	0.016628	1.13
8077728	ENST00000245046	TMEM111	ENST00000245046 // TMEM111 // transmembrane protein 111 // 3p25.3 // 55831 /// A	0.273716	0.478987	0.237792	0.016637	1.13
7976012	NM_004796	NRXN3	NM_004796 // NRXN3 // neurexin 3 // 14q31 // 9369 /// NM_001105250 // NRXN3 // n	0.417002	0.078192	0.745377	0.01664	1.16
8105331	NM_002104	GZMK	NM_002104 // GZMK // granzyme K (granzyme 3; tryptase II) // 5q11.2 // 3003 ///	0.089542	0.469602	0.373409	0.016646	1.39
7985134	NM_005530	IDH3A	NM_005530 // IDH3A // isocitrate dehydrogenase 3 (NAD+) alpha // 15q25.1-q25.2 /	0.725289	0.234299	0.251423	0.016657	-1.13
8101609	NM_197965	SLC10A6	NM_197965 // SLC10A6 // solute carrier family 10 (sodium/bile acid cotransporter	0.320164	0.211915	0.750731	0.016675	1.13
7975598	NM_001037161	ACOT1	NM_001037161 // ACOT1 // acyl-CoA thioesterase 1 // --- // 641371 /// ENST000003	0.981472	0.00733	0.992303	0.01668	-1.14
8138527	NM_207342	MGC87042	NM_207342 // MGC87042 // STEAP family protein MGC87042 // 7p15.3 // 256227 /// N	0.448366	0.214158	0.612709	0.016714	1.13
7906501	NM_000702	ATP1A2	NM_000702 // ATP1A2 // ATPase, Na+/K+ transporting, alpha 2 polypeptide // 1q21-	0.042963	0.142235	0.948843	0.016748	1.27
8000716	NM_012410	SEZ6L2	NM_012410 // SEZ6L2 // seizure related 6 homolog (mouse)-like 2 // 16p11.2 // 26	0.001677	0.11274	0.584778	0.016768	1.11

8168990	---		---	0.125416	0.194931	0.290846	0.016792	1.13
8005134	NM_000676	ADORA2B	NM_000676 // ADORA2B // adenosine A2b receptor // 17p12 // 136 /// ENST000003042	0.383032	0.635908	0.928819	0.016801	1.14
7986569	NR_036432	HERC2P3	NR_036432 // HERC2P3 // hect domain and RLD 2 pseudogene 3 // 15q11.1 // 283755	0.005153	0.123206	0.147208	0.016846	-1.16
8137483	AK131514	FLJ16734	AK131514 // FLJ16734 // hypothetical LOC641928 // 7q36.2 // 641928	0.077891	0.680655	0.900156	0.016853	-1.22
7937709	NM_001012416	KRTAP5-6	NM_001012416 // KRTAP5-6 // keratin associated protein 5-6 // 11p15.5 // 440023	0.271033	0.809316	0.162428	0.016887	-1.16
8123407	NM_001040000	MLLT4	NM_001040000 // MLLT4 // myeloid/lymphoid or mixed-lineage leukemia (trithorax h	0.035761	0.948835	0.886877	0.0169	-1.16
7981945	BC043194	SNRPN	BC043194 // SNRPN // small nuclear ribonucleoprotein polypeptide N // 15q11.2 //	0.009687	0.804886	0.481279	0.016974	1.27
7980773	NM_001080414	CCDC88C	NM_001080414 // CCDC88C // coiled-coil domain containing 88C // 14q32.11 // 4401	0.284412	0.383412	0.930238	0.016987	1.17
8099073	NM_002337	LRPAP1	NM_002337 // LRPAP1 // low density lipoprotein receptor-related protein associat	0.098243	0.134189	0.618582	0.017018	-1.13
8167910	---		---	0.008704	0.501513	0.660757	0.017058	1.21
7967544	NM_005505	SCARB1	NM_005505 // SCARB1 // scavenger receptor class B, member 1 // 12q24.31 // 949 /	0.524392	0.13673	0.6216	0.017064	-1.15
8006112	NM_032141	CCDC55	NM_032141 // CCDC55 // coiled-coil domain containing 55 // 17q11.2 // 84081 ///	0.049458	0.094848	0.957272	0.017066	-1.16
8012951	NM_006382	CDRT1	NM_006382 // CDRT1 // CMT1A duplicated region transcript 1 // 17p12 // 374286 //	0.42196	0.080549	0.672603	0.017074	1.23

8015526	NM_021078	KAT2A	NM_021078 // KAT2A // K(lysine) acetyltransferase 2A // 17q21 // 2648 /// ENST00	0.85201	0.93926	0.0004326	0.017079	1.12
8049246	NM_001017915	INPP5D	NM_001017915 // INPP5D // inositol polyphosphate-5-phosphatase, 145kDa // 2q37.1	0.6782	0.78317	0.866433	0.017099	1.14
7994131	NM_002738	PRKCB	NM_002738 // PRKCB // protein kinase C, beta // 16p11.2 // 5579 /// NM_212535 //	0.303486	0.121534	0.968039	0.017104	-1.16
8026298	---		---	0.651329	0.894263	0.0972996	0.01711	-1.12
8014035	---		---	0.651329	0.894263	0.0972996	0.01711	-1.12
7972579	NM_032813	TMTC4	NM_032813 // TMTC4 // transmembrane and tetratricopeptide repeat containing 4 //	0.842844	0.068848	0.779763	0.017167	1.13
8043187	NM_005911	MAT2A	NM_005911 // MAT2A // methionine adenosyltransferase II, alpha // 2p11.2 // 4144	0.417328	0.878183	0.548382	0.017177	-1.14
8090591	NM_015103	PLXND1	NM_015103 // PLXND1 // plexin D1 // 3q22.1 // 23129 /// ENST00000324093 // PLXND	0.854406	0.418621	0.417941	0.017179	-1.13
8013319	NM_006613	GRAP	NM_006613 // GRAP // GRB2-related adaptor protein // 17p11.2 // 10750 /// ENST00	0.686436	0.113716	0.807302	0.017194	-1.21
8178841	NM_018833	TAP2	NM_018833 // TAP2 // transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	0.380482	0.752331	0.756746	0.017201	-1.19
7972548	NM_005292	GPR18	NM_005292 // GPR18 // G protein-coupled receptor 18 // 13q32 // 2841 /// NM_0010	0.709213	0.347138	0.826591	0.01721	1.11
8155528	---		---	0.734483	0.465279	0.0059482	0.017226	-1.17
8036902	NM_013376	SERTAD1	NM_013376 // SERTAD1 // SERTA domain containing 1 // 19q13.1-q13.2 // 29950 ///	0.66933	0.007634	0.759902	0.017262	-1.18

8134814	NM_013439	PILRA	NM_013439 // PILRA // paired immunoglobin-like type 2 receptor alpha // 7q22.1 /	0.793635	0.55942	0.586001	0.017269	-1.24
8098240	---		---	0.974947	0.569043	0.521424	0.017291	1.19
7948894	NR_002716	RNU2-1	NR_002716 // RNU2-1 // RNA, U2 small nuclear 1 // 17q12-q21 // 6066 /// NR_00276	0.079868	0.007252	0.510265	0.017336	1.41
8013262	NR_003554	LOC220594	NR_003554 // LOC220594 // ubiquitin specific peptidase 6 (Tre-2 oncogene) pseudo	0.309669	0.693678	0.981456	0.017346	-1.16
8106986	NM_014899	RHOBTB3	NM_014899 // RHOBTB3 // Rho-related BTB domain containing 3 // 5q15 // 22836 ///	0.817062	0.394133	0.50561	0.01737	-1.18
7943827	NM_001931	DLAT	NM_001931 // DLAT // dihydrolipoamide S-acetyltransferase // 11q23.1 // 1737 ///	0.629601	0.114186	0.829973	0.01737	-1.12
8099760	NM_015230	ARAP2	NM_015230 // ARAP2 // ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	0.760036	0.347138	0.0890507	0.01739	-1.17
7950751	NR_033347	SNORA70E	NR_033347 // SNORA70E // small nucleolar RNA, H/ACA box 70E (retrotransposed) //	0.008849	0.889373	0.0096223	0.017411	1.11
7945371	NM_021034	IFITM3	NM_021034 // IFITM3 // interferon induced transmembrane protein 3 (1-8U) // 11p1	0.034499	0.862347	0.707875	0.017459	-1.16
8160238	NM_033222	PSIP1	NM_033222 // PSIP1 // PC4 and SFRS1 interacting protein 1 // 9p22.3 // 11168 ///	0.001384	0.894166	0.81286	0.017538	1.14
8004905	NM_153210	USP43	NM_153210 // USP43 // ubiquitin specific peptidase 43 // 17p13.1 // 124739 /// E	0.17096	0.45232	0.349032	0.017546	1.14
8129497	NM_001431	EPB41L2	NM_001431 // EPB41L2 // erythrocyte membrane protein band 4.1-like 2 // 6q23 //	0.000692	0.830136	0.145447	0.017553	-1.18

7999727	NM_001171	ABCC6	NM_001171 // ABCC6 // ATP-binding cassette, sub-family C (CFTR/MRP), member 6 //	0.561238	0.632011	0.0761958	0.017562	-1.12
8050350	---		---	0.432334	0.412339	0.798095	0.017572	1.28
7917050	---		---	0.008633	0.691836	0.557463	0.017596	1.19
8016414	NM_003726	SKAP1	NM_003726 // SKAP1 // src kinase associated phosphoprotein 1 // 17q21.32 // 8631	0.005537	0.882589	0.643157	0.017607	1.18
8174119	NM_001011657	ZMAT1	NM_001011657 // ZMAT1 // zinc finger, matrin-type 1 // Xq21 // 84460 /// NR_0364	0.0103	0.572038	0.736712	0.017623	1.20
7967622	---		---	0.760265	0.670491	0.59455	0.017636	-1.14
7918911	---		---	0.00889	0.007334	0.315636	0.017665	-1.13
8042416	NM_014882	ARHGAP25	NM_014882 // ARHGAP25 // Rho GTPase activating protein 25 // 2p13.3 // 9938 ///	0.401498	0.665545	0.448796	0.017713	-1.16
8130811	AB016901	C6orf123	AB016901 // C6orf123 // chromosome 6 open reading frame 123 // 6q27 // 26238 ///	0.200817	0.572329	0.164484	0.017719	1.11
8130982	AB016901	C6orf123	AB016901 // C6orf123 // chromosome 6 open reading frame 123 // 6q27 // 26238 ///	0.200817	0.572329	0.164484	0.017719	1.11
8027241	NM_021047	ZNF253	NM_021047 // ZNF253 // zinc finger protein 253 // 19p13.11 // 56242 /// BC065572	0.143965	0.228914	0.836325	0.017739	1.17
7977103	---		---	0.01949	0.979162	0.499431	0.017746	-1.14
8090529	NM_198490	RAB43	NM_198490 // RAB43 // RAB43, member RAS oncogene family // 3q21.3 // 339122 ///	0.781094	0.00433	0.0335787	0.017763	-1.15
7997933	NM_033251	RPL13	NM_033251 // RPL13 // ribosomal protein L13 // 16q24.3|17p11.2 // 6137 /// NM_00	0.634507	0.010604	0.870234	0.017769	-1.17

8091103	NM_001178138	TFDP2	NM_001178138 // TFDP2 // transcription factor Dp-2 (E2F dimerization partner 2)	0.002162	0.700957	0.250883	0.017771	1.15
7906061	NM_152280	SYT11	NM_152280 // SYT11 // synaptotagmin XI // 1q21.2 // 23208 /// ENST00000368324 //	0.780304	0.125138	0.656034	0.017776	1.14
8107857	---		---	0.759691	0.049698	0.709439	0.017777	1.36
7967702	---		---	0.662713	0.552526	0.599688	0.017808	-1.15
8116086	NM_024872	DOK3	NM_024872 // DOK3 // docking protein 3 // 5q35.3 // 79930 /// NM_001144875 // DO	0.038654	0.397796	0.787883	0.017848	-1.12
7970842	---		---	0.183669	0.168954	0.835582	0.017903	1.13
7961524	NM_152321	ERP27	NM_152321 // ERP27 // endoplasmic reticulum protein 27 // 12p12.3 // 121506 ///	0.052077	0.837784	0.543517	0.01792	1.24
8153342	NM_205545	LYPD2	NM_205545 // LYPD2 // LY6/PLAUR domain containing 2 // 8q24.3 // 137797 /// ENST	0.052814	0.404461	0.89419	0.017927	1.14
8101657	---		---	0.154826	0.267608	0.273969	0.017939	1.18
8089527	NM_022488	ATG3	NM_022488 // ATG3 // ATG3 autophagy related 3 homolog (S. cerevisiae) // 3q13.2	0.426955	0.080079	0.672178	0.018054	-1.12
7961829	NM_001178094	BCAT1	NM_001178094 // BCAT1 // branched chain amino-acid transaminase 1, cytosolic //	0.253278	0.447262	0.0300043	0.018069	-1.24
7939314	NM_012153	EHF	NM_012153 // EHF // ets homologous factor // 11p12 // 26298 /// ENST00000257831	0.870901	0.513183	0.742293	0.018099	1.34
8104449	NM_012073	CCT5	NM_012073 // CCT5 // chaperonin containing TCP1, subunit 5 (epsilon) // 5p15.2 /	0.008007	0.188501	0.680527	0.018107	-1.16
8088700	NM_007114	TMF1	NM_007114 // TMF1 // TATA element modulatory factor 1 // 3p21-p12 // 7110 /// EN	0.197611	0.125776	0.674761	0.018146	1.13

8077833	NM_003042	SLC6A1	NM_003042 // SLC6A1 // solute carrier family 6 (neurotransmitter transporter, GA	0.46567	0.819734	0.466142	0.018152	1.15
7971015	NM_001127217	SMAD9	NM_001127217 // SMAD9 // SMAD family member 9 // 13q12-q14 // 4093 /// NM_005905	0.393597	0.206578	0.0384862	0.018173	-1.12
7986520	ENST00000436525	C15orf51	ENST00000436525 // C15orf51 // dynamin 1 pseudogene // 15q26.3 // 196968	0.004889	0.034306	0.182741	0.018174	-1.32
7899502	NR_004407	RNU11	NR_004407 // RNU11 // RNA, U11 small nuclear // 1p35 // 26824	0.452744	0.242728	0.515517	0.018192	1.27
8013348	NM_002952	RPS2	NM_002952 // RPS2 // ribosomal protein S2 // 16p13.3 // 6187 /// ENST00000343262	0.000903	0.500467	0.289963	0.018223	-1.14
7950990	NM_152313	SLC36A4	NM_152313 // SLC36A4 // solute carrier family 36 (proton/amino acid symporter),	0.80951	0.068865	0.0350528	0.018259	-1.17
7976698	NM_001008707	EML1	NM_001008707 // EML1 // echinoderm microtubule associated protein like 1 // 14q3	0.004159	0.925858	0.843777	0.018301	-1.14
8144625	NM_001715	BLK	NM_001715 // BLK // B lymphoid tyrosine kinase // 8p23-p22 // 640 /// ENST000002	0.212689	0.995742	0.710295	0.018381	1.22
8129627	NR_028290	VNN3	NR_028290 // VNN3 // vanin 3 // 6q23.2 // 55350 /// NR_028291 // VNN3 // vanin 3	0.805123	0.125471	0.532342	0.018403	1.42
8026047	NM_002229	JUNB	NM_002229 // JUNB // jun B proto-oncogene // 19p13.2 // 3726 /// ENST00000302754	0.380192	0.012649	0.430641	0.018416	-1.34
8166355	NM_014927	CNKSR2	NM_014927 // CNKSR2 // connector enhancer of kinase suppressor of Ras 2 // Xp22.	0.000341	0.517448	0.12484	0.018419	-1.16

8010086	ENST00000341249	C17orf95	ENST00000341249 // C17orf95 // chromosome 17 open reading frame 95 // 17q25.1 //	0.81046	0.260819	0.521272	0.018442	-1.13
7969438	NM_005358	LMO7	NM_005358 // LMO7 // LIM domain 7 // 13q22.2 // 4008 /// NM_015842 // LMO7 // LI	0.267482	0.09787	0.639404	0.018458	-1.24
8166455	NM_006406	PRDX4	NM_006406 // PRDX4 // peroxiredoxin 4 // Xp22.11 // 10549 /// ENST00000379341 //	0.009558	0.744181	0.735969	0.018465	1.16
8037947	NM_198479	TPRX1	NM_198479 // TPRX1 // tetra-peptide repeat homeobox 1 // 19q13.33 // 284355 ///	0.324133	0.616725	0.0668629	0.018483	-1.13
8170704	NM_000033	ABCD1	NM_000033 // ABCD1 // ATP-binding cassette, sub-family D (ALD), member 1 // Xq28	0.003745	0.936006	0.804079	0.018495	-1.11
8119161	NM_002648	PIM1	NM_002648 // PIM1 // pim-1 oncogene // 6p21.2 // 5292 /// ENST00000373509 // PIM	0.000312	0.745566	0.478933	0.018508	-1.19
8014063	NM_006495	EVI2B	NM_006495 // EVI2B // ecotropic viral integration site 2B // 17q11.2 // 2124 ///	0.833842	0.757301	0.572984	0.018511	-1.16
7977331	NM_174891	C14orf79	NM_174891 // C14orf79 // chromosome 14 open reading frame 79 // 14q32.33 // 1226	0.881031	0.263414	0.498076	0.018515	1.14
8124088	NM_022113	KIF13A	NM_022113 // KIF13A // kinesin family member 13A // 6p23 // 63971 /// NM_0011055	0.004572	0.765982	0.0825835	0.018567	-1.13
7898582	BC072682	RPS14P3	BC072682 // RPS14P3 // ribosomal protein S14 pseudogene 3 // 1p36.13 // 644068	0.511666	0.055737	0.218136	0.018574	1.13
8071274	L20860	GP1BB	L20860 // GP1BB // glycoprotein Ib (platelet), beta polypeptide // 22q11.21-q11.	0.104821	0.415378	0.0983029	0.018606	-1.26
8003605	---		---	0.151849	0.08166	0.682971	0.018627	-1.18

7946446	NM_020645	NRIP3	NM_020645 // NRIP3 // nuclear receptor interacting protein 3 // 11p15.3 // 56675	0.098786	0.767354	0.165444	0.018644	1.12
8012605	NM_201433	GAS7	NM_201433 // GAS7 // growth arrest-specific 7 // 17p13.1 // 8522 /// NM_201432 /	0.102786	0.523672	0.398301	0.018704	1.13
8023497	NM_005603	ATP8B1	NM_005603 // ATP8B1 // ATPase, aminophospholipid transporter, class I, type 8B,	0.562178	0.246182	0.441504	0.01871	1.19
8009075	NM_025185	TANC2	NM_025185 // TANC2 // tetratricopeptide repeat, ankyrin repeat and coiled-coil c	0.476912	0.667549	0.184934	0.01877	-1.19
8153959	NM_203447	DOCK8	NM_203447 // DOCK8 // dedicator of cytokinesis 8 // 9p24.3 // 81704 /// NM_00119	0.416938	0.907635	0.606689	0.018788	-1.19
7962194	NM_001013699	H3F3C	NM_001013699 // H3F3C // H3 histone, family 3C // 12p11.21 // 440093 /// BC06690	0.431698	0.903054	0.155972	0.01879	-1.13
8156571	NR_029665	MIR27B	NR_029665 // MIR27B // microRNA 27b // 9q22.32 // 407019 /// AF043897 // C9orf3	0.049798	0.245974	0.308037	0.018796	1.33
8007867	NM_001006607	LRRC37A2	NM_001006607 // LRRC37A2 // leucine rich repeat containing 37, member A2 // 17q2	0.161025	0.318865	0.389815	0.018808	1.19
7997593	NM_014861	ATP2C2	NM_014861 // ATP2C2 // ATPase, Ca++ transporting, type 2C, member 2 // 16q24.1 /	0.368701	0.468777	0.69708	0.018809	-1.20
7996490	NM_014187	TMEM208	NM_014187 // TMEM208 // transmembrane protein 208 // 16q22.1 // 29100 /// ENST00	0.001626	0.07701	0.151191	0.018819	-1.13
7948397	---		---	0.067104	0.669186	0.724009	0.018853	1.23
8178977	NM_172208	TAPBP	NM_172208 // TAPBP // TAP binding protein (tapasin) // 6p21.3 // 6892 /// NM_003	0.402637	0.588573	0.496953	0.018878	1.13

8115734	NM_005565	LCP2	NM_005565 // LCP2 // lymphocyte cytosolic protein 2 (SH2 domain containing leuko	0.687749	0.265117	0.603706	0.018908	-1.19
8124008	NM_001031713	CCDC90A	NM_001031713 // CCDC90A // coiled-coil domain containing 90A // 6p23 // 63933 //	0.547424	0.57012	0.907917	0.01891	-1.14
7909839	---		---	0.233728	0.015171	0.042973	0.018917	1.19
8089261	NM_170662	CBLB	NM_170662 // CBLB // Cas-Br-M (murine) ecotropic retroviral transforming sequenc	0.440678	0.230881	0.878874	0.018918	1.14
8035435	NM_001145304	KIAA1683	NM_001145304 // KIAA1683 // KIAA1683 // 19p13.1 // 80726 /// NM_025249 // KIAA16	0.032597	0.043877	0.280198	0.01893	-1.14
8121031	NM_006416	SLC35A1	NM_006416 // SLC35A1 // solute carrier family 35 (CMP-sialic acid transporter),	0.021912	0.729108	0.0381213	0.018991	-1.15
8014591	NM_000458	HNF1B	NM_000458 // HNF1B // HNF1 homeobox B // 17cen-q21.3 // 6928 /// NM_001165923 //	0.357311	0.158559	0.195191	0.019001	-1.14
8096875	NM_001977	ENPEP	NM_001977 // ENPEP // glutamyl aminopeptidase (aminopeptidase A) // 4q25 // 2028	0.12486	0.114218	0.0256678	0.01906	-1.32
7993825	NR_002939	RUNDC2C	NR_002939 // RUNDC2C // RUN domain containing 2C // 16p11.2 // 440352 /// NM_032	0.507028	0.246173	0.0877367	0.019118	1.14
8071758	NM_005940	MMP11	NM_005940 // MMP11 // matrix metallopeptidase 11 (stromelysin 3) // 22q11.2|22q1	0.512705	0.804062	0.831195	0.019131	1.13
7976571	NM_016472	C14orf129	NM_016472 // C14orf129 // chromosome 14 open reading frame 129 // 14q32.2 // 515	0.942965	0.10347	0.146619	0.019143	1.13
8005171	NM_016113	TRPV2	NM_016113 // TRPV2 // transient receptor potential cation channel, subfamily V,	0.374219	0.191246	0.45663	0.019165	-1.18

8090715	NM_032169	ACAD11	NM_032169 // ACAD11 // acyl-CoA dehydrogenase family, member 11 // 3q22.1 // 841	0.000319	0.353021	0.565575	0.019323	1.16
7919382	---		---	0.074469	0.097076	0.0894415	0.019363	1.18
7966052	NM_004075	CRY1	NM_004075 // CRY1 // cryptochrome 1 (photolyase-like) // 12q23-q24.1 // 1407 ///	0.170709	0.870276	0.155447	0.019421	1.20
7922846	NM_052966	FAM129A	NM_052966 // FAM129A // family with sequence similarity 129, member A // 1q25 //	0.112322	0.035811	0.0664142	0.019427	1.15
8001099	NR_002827	HERC2P4	NR_002827 // HERC2P4 // hect domain and RLD 2 pseudogene 4 // 16p11.2 // 440362	0.001071	0.215822	0.154159	0.019613	-1.17
8052397	---		---	0.454031	0.14735	0.748232	0.01963	1.12
8108737	NM_018933	PCDHB13	NM_018933 // PCDHB13 // protocadherin beta 13 // 5q31 // 56123 /// ENST000003419	0.002156	0.401986	0.783893	0.01965	1.19
8136987	NM_005435	ARHGEF5	NM_005435 // ARHGEF5 // Rho guanine nucleotide exchange factor (GEF) 5 // 7q33-q	0.135375	0.057635	0.296751	0.019667	-1.17
8138988	NR_002833	DPY19L2P1	NR_002833 // DPY19L2P1 // dpy-19-like 2 pseudogene 1 (C. elegans) // 7p14.2 // 5	0.020667	0.077669	0.15436	0.019686	1.21
7937314	NM_025092	ATHL1	NM_025092 // ATHL1 // ATH1, acid trehalase-like 1 (yeast) // 11p15.5 // 80162 //	0.326854	0.033892	0.0241894	0.019705	-1.21
8070701	NM_000100	CSTB	NM_000100 // CSTB // cystatin B (stefin B) // 21q22.3 // 1476 /// ENST0000029156	0.009507	0.927605	0.0414103	0.019829	1.11
8074210	---		---	0.395203	0.963417	0.679466	0.019895	1.19
8142618	NM_139175	RNF133	NM_139175 // RNF133 // ring finger protein 133 // 7q31.32 // 168433 /// ENST0000	0.774355	0.341939	0.997162	0.019916	-1.13

8045933	NM_004180	TANK	NM_004180 // TANK // TRAF family member-associated NFKB activator // 2q24-q31 //	0.757482	0.105812	0.713658	0.019928	-1.12
8046201	NM_003142	SSB	NM_003142 // SSB // Sjogren syndrome antigen B (autoantigen La) // 2q31.1 // 674	0.733843	0.10765	0.56081	0.019933	1.14
8005785	NM_014238	KSR1	NM_014238 // KSR1 // kinase suppressor of ras 1 // 17q11.1-q11.2 // 8844 /// ENS	0.410869	0.227148	0.412246	0.019936	1.14
8083656	NM_022736	MFSD1	NM_022736 // MFSD1 // major facilitator superfamily domain containing 1 // 3q25.	0.402131	0.163187	0.290564	0.019941	-1.15
7968126	NM_002339	LSP1	NM_002339 // LSP1 // lymphocyte-specific protein 1 // 11p15.5 // 4046 /// NM_001	0.037329	0.461373	0.863559	0.01995	1.15
8106962	NM_198150	ARSK	NM_198150 // ARSK // arylsulfatase family, member K // 5q15 // 153642 /// ENST00	0.00076	0.173423	0.200153	0.019994	-1.14
8172191	---		---	0.149176	0.225381	0.68061	0.020068	1.15
7901967	---		---	0.075344	0.06549	0.947365	0.020158	1.16
8071049	AF172850	LOC51152	AF172850 // LOC51152 // melanoma antigen // --- // 51152	0.532088	0.690399	0.0085969	0.020164	-1.39
7920057	NM_001083965	TDRKH	NM_001083965 // TDRKH // tudor and KH domain containing // 1q21 // 11022 /// NM_	0.463231	0.986709	0.344277	0.020176	-1.12
8124391	NM_003513	HIST1H2AB	NM_003513 // HIST1H2AB // histone cluster 1, H2ab // 6p21.3 // 8335 /// BC125140	4.45E-05	0.908824	0.97536	0.020232	1.17
8084757	NM_198485	TPRG1	NM_198485 // TPRG1 // tumor protein p63 regulated 1 // 3q28 // 285386 /// ENST00	0.003675	0.393403	0.0618843	0.020244	-1.13
8143697	NM_152411	ZNF786	NM_152411 // ZNF786 // zinc finger protein 786 // 7q36.1 // 136051 /// ENST00000	0.169338	0.257276	0.67865	0.020263	1.12

7950332	BC035599	C2CD3	BC035599 // C2CD3 // C2 calcium-dependent domain containing 3 // 11q13.4 // 2600	0.672051	0.4424	0.240019	0.020269	1.18
7966441	NR_015404	C12orf47	NR_015404 // C12orf47 // chromosome 12 open reading frame 47 // 12q24.12 // 5127	0.903449	0.638927	0.506595	0.02028	-1.13
8003771	---		---	0.063626	0.991451	0.985008	0.02032	-1.12
8031238	NM_006847	LILRB4	NM_006847 // LILRB4 // leukocyte immunoglobulin-like receptor, subfamily B (with	0.072681	0.050682	0.918758	0.020368	1.26
8132513	---		---	0.572222	0.309308	0.0632889	0.020369	1.18
7978628	NM_017917	PPP2R3C	NM_017917 // PPP2R3C // protein phosphatase 2, regulatory subunit B'', gamma //	0.546439	0.543783	0.935942	0.020403	-1.14
8027222	NM_153221	CILP2	NM_153221 // CILP2 // cartilage intermediate layer protein 2 // 19p13.11 // 1481	0.082237	0.325575	0.933209	0.020407	1.14
7960320	NM_152640	DCP1B	NM_152640 // DCP1B // DCP1 decapping enzyme homolog B (S. cerevisiae) // 12p13.3	0.019382	0.359918	0.520967	0.020481	1.13
8123929	NM_207582	ERVFRDE1	NM_207582 // ERVFRDE1 // HERV-FRD provirus ancestral Env polyprotein // 6p24.1 /	0.20045	0.805522	0.437366	0.020485	-1.16
8117402	NM_003545	HIST1H4E	NM_003545 // HIST1H4E // histone cluster 1, H4e // 6p21.3 // 8367 /// CR542180 /	0.000165	0.705278	0.0663205	0.020497	-1.14
7969428	NM_006002	UCHL3	NM_006002 // UCHL3 // ubiquitin carboxyl-terminal esterase L3 (ubiquitin thioles	0.090786	0.316223	0.706678	0.020507	1.15
8100179	NM_152995	NFXL1	NM_152995 // NFXL1 // nuclear transcription factor, X-box binding-like 1 // 4p12	0.859175	0.054947	0.387978	0.020686	1.12

8154654	NR_024274	C9orf53	NR_024274 // C9orf53 // chromosome 9 open reading frame 53 // 9p21.3 // 51198 //	0.55585	0.642299	0.363052	0.020703	-1.12
8039655	NM_001039654	ZNF550	NM_001039654 // ZNF550 // zinc finger protein 550 // 19q13.43 // 162972 /// ENST	0.116531	0.52998	0.337849	0.02075	1.12
8136388	NM_018295	TMEM140	NM_018295 // TMEM140 // transmembrane protein 140 // 7q33 // 55281 /// ENST00000	0.660855	0.077111	0.311919	0.020808	-1.19
8141361	NM_001005276	OR2AE1	NM_001005276 // OR2AE1 // olfactory receptor, family 2, subfamily AE, member 1 /	0.459598	0.767932	0.765328	0.020858	-1.15
8180034	NM_000544	TAP2	NM_000544 // TAP2 // transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	0.296052	0.83724	0.760166	0.020923	-1.19
8139776	---		---	0.989594	0.828412	0.0125218	0.020946	-1.11
8094870	NM_001080505	SHISA3	NM_001080505 // SHISA3 // shisa homolog 3 (Xenopus laevis) // 4p13 // 152573 ///	0.052227	0.032454	0.105501	0.020993	-1.34
7963689	NM_003717	NPFF	NM_003717 // NPFF // neuropeptide FF-amide peptide precursor // 12q13.13 // 8620	0.025444	0.539201	0.109539	0.021026	-1.16
8058664	---		---	0.192207	0.858793	0.0414297	0.021116	-1.32
8159379	NM_032928	TMEM141	NM_032928 // TMEM141 // transmembrane protein 141 // 9q34.3 // 85014 /// ENST000	0.111434	0.003412	0.530754	0.021144	-1.10
7954511	NM_015000	STK38L	NM_015000 // STK38L // serine/threonine kinase 38 like // 12p11.23 // 23012 ///	0.971989	0.351091	0.625399	0.021156	1.13
8083652	AY070437	LOC1002872	AY070437 // LOC100287290 // cytokine receptor CRL2 // 3q25.32 // 100287290	0.017077	0.006002	0.0633634	0.021162	1.24
7910446	NM_007357	COG2	NM_007357 // COG2 // component of oligomeric golgi complex 2 // 1q42.2 // 22796	0.311532	0.488686	0.291799	0.021189	-1.11

7992996	---		---	0.342829	0.43548	0.0367783	0.021191	-1.12
7957570	NM_005761	PLXNC1	NM_005761 // PLXNC1 // plexin C1 // 12q23.3 // 10154 /// ENST00000258526 // PLXN	0.760024	0.49607	0.926615	0.021241	-1.20
8124846	---		---	0.826218	0.242841	0.322175	0.021275	-1.20
7898570	---		---	0.171223	0.292671	0.828996	0.021281	1.14
8052418	NM_144709	PUS10	NM_144709 // PUS10 // pseudouridylate synthase 10 // 2p16.1 // 150962 /// ENST00	0.702512	0.577718	0.435219	0.021336	1.16
7910022	NM_152495	CNIH3	NM_152495 // CNIH3 // cornichon homolog 3 (Drosophila) // 1q42.12 // 149111 ///	0.050854	0.985138	0.282932	0.02135	1.12
7958011	---		---	0.967622	0.189045	0.769635	0.0214	-1.16
7975626	NM_194278	C14orf43	NM_194278 // C14orf43 // chromosome 14 open reading frame 43 // 14q24.3 // 91748	0.341882	0.372265	0.299236	0.021433	-1.16
8052141	---		---	0.244794	0.204986	0.505841	0.021585	1.13
8143684	NM_004911	PDIA4	NM_004911 // PDIA4 // protein disulfide isomerase family A, member 4 // 7q35 //	0.028988	0.645183	0.597808	0.021591	1.14
8005957	NR_000009	SNORD4B	NR_000009 // SNORD4B // small nucleolar RNA, C/D box 4B // 17q11 // 26772	0.019393	0.148391	0.108267	0.021659	1.18
8154765	NM_001539	DNAJA1	NM_001539 // DNAJA1 // DnaJ (Hsp40) homolog, subfamily A, member 1 // 9p13.3 //	0.709357	0.852345	0.503312	0.021777	1.15
8150489	---		---	0.513463	0.713141	0.683425	0.02181	1.13
8050763	ENST00000380834	CENPO	ENST00000380834 // CENPO // centromere protein O // 2p23.3 // 79172 /// BC073803	0.025258	0.332826	0.318284	0.021813	1.11
7904463	---		---	0.088595	0.368937	0.385649	0.021873	1.12
7991070	NM_016073	HDGFRP3	NM_016073 // HDGFRP3 // hepatoma-derived growth factor, related protein 3 // 15q	0.575877	0.018681	0.403885	0.021916	1.13

7906128	NM_014655	SLC25A44	NM_014655 // SLC25A44 // solute carrier family 25, member 44 // 1q22 // 9673 ///	0.113507	0.888603	0.207727	0.021922	-1.13
8011826	NM_207103	C17orf87	NM_207103 // C17orf87 // chromosome 17 open reading frame 87 // 17p13.2 // 38832	0.174385	0.499242	0.607259	0.021939	-1.27
8106250	---		---	0.218617	0.29064	0.973065	0.021952	1.13
8074335	NM_016335	PRODH	NM_016335 // PRODH // proline dehydrogenase (oxidase) 1 // 22q11.21 // 5625 ///	0.371305	0.243666	0.899544	0.022011	-1.20
7923812	NM_003929	RAB7L1	NM_003929 // RAB7L1 // RAB7, member RAS oncogene family-like 1 // 1q32 // 8934 /	0.381174	0.939888	0.126107	0.022048	-1.12
7961507	NM_021071	ART4	NM_021071 // ART4 // ADP-ribosyltransferase 4 (Dombrock blood group) // 12p13-p1	0.000558	0.020887	0.782838	0.022062	-1.22
8168412	BC029480	NCRNA0018	BC029480 // NCRNA00183 // non-protein coding RNA 183 // Xq13.2 // 554203	0.046905	4.00E-10	0.0558483	0.022071	1.16
7977273	NM_152328	ADSSL1	NM_152328 // ADSSL1 // adenylosuccinate synthase like 1 // 14q32.33 // 122622 //	0.277831	0.035547	0.799639	0.022084	1.14
7933872	NM_000399	EGR2	NM_000399 // EGR2 // early growth response 2 // 10q21.1 // 1959 /// NM_001136177	0.413308	0.012478	0.0711749	0.022114	1.25
8040458	NM_002252	KCNS3	NM_002252 // KCNS3 // potassium voltage-gated channel, delayed-rectifier, subfam	0.374656	0.002318	0.129027	0.022147	-1.16
8156164	NM_017576	KIF27	NM_017576 // KIF27 // kinesin family member 27 // 9q21.32 // 55582 /// ENST00000	0.012373	0.135734	0.736688	0.02215	1.20
8045287	---		---	0.149161	0.505187	0.0174391	0.02216	-1.44

8029710	NM_003370	VASP	NM_003370 // VASP // vasodilator-stimulated phosphoprotein // 19q13.2-q13.3 // 7	0.031307	0.887319	0.196627	0.022226	-1.11
8136654	---		---	0.161276	0.674004	0.0032685	0.022227	-1.32
8161375	---		---	0.915326	0.920085	0.0081183	0.022239	-1.38
8155453	---		---	0.915326	0.920085	0.0081183	0.022239	-1.38
8175098	NM_178471	GPR119	NM_178471 // GPR119 // G protein-coupled receptor 119 // Xq26.1 // 139760 /// EN	0.822416	0.374166	0.218006	0.022248	-1.12
7946478	NM_015213	DENND5A	NM_015213 // DENND5A // DENN/MADD domain containing 5A // 11p15.4 // 23258 /// E	0.699057	0.86993	0.0445979	0.02229	-1.12
7923978	NM_001773	CD34	NM_001773 // CD34 // CD34 molecule // 1q32 // 947 /// NM_001025109 // CD34 // CD	0.453391	0.091543	0.368486	0.022362	1.23
7951652	---		---	0.656658	0.306615	0.762591	0.022374	1.13
7903144	NM_001114106	SLC44A3	NM_001114106 // SLC44A3 // solute carrier family 44, member 3 // 1p21.3 // 12696	0.858318	0.212352	0.468041	0.022397	1.16
8144044	AK124285	FLJ42291	AK124285 // FLJ42291 // hypothetical LOC346547 // 7q36.2 // 346547	0.236081	0.920273	0.217213	0.022398	-1.12
7908409	NM_002923	RGS2	NM_002923 // RGS2 // regulator of G-protein signaling 2, 24kDa // 1q31 // 5997 /	0.925335	0.037677	0.758562	0.022447	-1.30
8122843	NM_000125	ESR1	NM_000125 // ESR1 // estrogen receptor 1 // 6q25.1 // 2099 /// NM_001122740 // E	0.06542	0.139222	0.966401	0.022452	1.11
7962013	NM_016570	ERGIC2	NM_016570 // ERGIC2 // ERGIC and golgi 2 // 12p11.22 // 51290 /// ENST0000036015	0.252024	0.020597	0.714535	0.022468	1.15
8065566	NM_001037500	DEFB124	NM_001037500 // DEFB124 // defensin, beta 124 // 20q11.1 // 245937 /// ENST00000	0.680946	0.720249	0.184127	0.022485	1.14

8005458	NM_001040078	LGALS9C	NM_001040078 // LGALS9C // lectin, galactoside-binding, soluble, 9C // 17p11.2 /	0.034551	0.711252	0.230997	0.022489	1.14
8066716	NM_133171	ELMO2	NM_133171 // ELMO2 // engulfment and cell motility 2 // 20q13 // 63916 /// NM_18	0.566833	0.720371	0.428368	0.022502	-1.12
7950425	NM_015424	CHRDL2	NM_015424 // CHRDL2 // chordin-like 2 // 11q14 // 25884 /// ENST00000263671 // C	0.829992	0.039222	0.797898	0.022528	1.17
8103415	NM_001128424	FAM198B	NM_001128424 // FAM198B // family with sequence similarity 198, member B // 4q32	0.842264	0.033458	0.585494	0.022541	1.19
7902023	NM_018211	RAVER2	NM_018211 // RAVER2 // ribonucleoprotein, PTB-binding 2 // 1p31.3 // 55225 /// E	0.369599	0.15425	0.139214	0.022552	1.15
7958466	NM_001093	ACACB	NM_001093 // ACACB // acetyl-CoA carboxylase beta // 12q24.11 // 32 /// ENST0000	0.000174	0.599406	0.967157	0.022572	-1.20
8130720	NM_145169	SFT2D1	NM_145169 // SFT2D1 // SFT2 domain containing 1 // 6q27 // 113402 /// ENST000003	0.834662	0.808132	0.866163	0.022644	-1.14
8171311	---		---	0.903828	0.589325	0.685709	0.022644	-1.12
8101701	NM_152542	PPM1K	NM_152542 // PPM1K // protein phosphatase, Mg2+/Mn2+ dependent, 1K // 4q22.1 //	0.000138	0.276052	0.866833	0.022669	-1.15
8138289	NM_004956	ETV1	NM_004956 // ETV1 // ets variant 1 // 7p21.3 // 2115 /// NM_001163147 // ETV1 //	0.293533	0.488991	0.0463586	0.02269	-1.29
8008802	NM_182569	GDPD1	NM_182569 // GDPD1 // glycerophosphodiester phosphodiesterase domain containing	0.020826	0.425023	0.889237	0.022721	1.14
7929065	NM_001548	IFIT1	NM_001548 // IFIT1 // interferon-induced protein with tetratricopeptide repeats	0.452998	0.772768	0.649656	0.022732	1.20

8147019	NM_016010	FAM164A	NM_016010 // FAM164A // family with sequence similarity 164, member A // 8q21.12	0.000528	0.584709	0.76806	0.022736	1.14
8156743	NM_004473	FOXE1	NM_004473 // FOXE1 // forkhead box E1 (thyroid transcription factor 2) // 9q22 /	0.342115	0.506385	0.575359	0.022791	1.12
8024228	NM_177401	MIDN	NM_177401 // MIDN // midnolin // 19p13.3 // 90007 /// ENST00000300952 // MIDN //	0.000646	0.769431	0.671484	0.022804	-1.13
8014037	NM_015986	CRLF3	NM_015986 // CRLF3 // cytokine receptor-like factor 3 // 17q11.2 // 51379 /// EN	0.34688	0.835764	0.452571	0.022847	-1.15

Supplemental Table S3. Transcripts in cluster A with statistics for expression levels in clusters I and II.

ID	Gene Symbol	RefSeq	cluster I mean	cluster I SD	cluster I SEM	cluster II mean	cluster II SD	cluster II SEM	two-tailed ttest pvalue	cluster II/cluster I fold change
8132743	ABCA13	NM_152701	4.893602	0.839964	0.101861	6.692131	1.018534	0.142623	1.81E-18	3.48
8145293	ADAM28	NM_014265	5.930756	0.70695	0.08573	6.967442	0.47229	0.066134	5.22E-15	2.05
8101904	ADH7	NM_000673	4.053858	0.548896	0.066563	5.72762	0.758198	0.106169	2.05E-26	3.19
8138381	AGR2	NM_006408	6.634326	0.650616	0.078899	8.01872	0.690141	0.096639	5.52E-20	2.61
8138392	AGR3	NM_176813	5.896551	0.721602	0.087507	6.7094	0.446424	0.062512	1.47E-10	1.76
8011680	ALOX15	NM_001140	5.628576	1.015278	0.123121	7.285566	1.001213	0.140198	1.53E-14	3.15
8154823	ANKRD18B	ENST00000290943	3.457859	0.451632	0.054768	4.832981	0.608437	0.085198	7.85E-27	2.59
7930593	C10orf81	NM_001193434	4.573074	1.007315	0.122155	7.165419	0.740869	0.103742	7.56E-30	6.03
7958253	C12orf75	NM_001145199	6.401166	0.35578	0.043145	7.07099	0.401173	0.056176	2.67E-16	1.59
7921909	C1orf110	NM_178550	3.856634	0.510245	0.061876	5.311435	1.023526	0.143322	1.47E-17	2.74
8061894	C20orf114	NM_033197	7.589767	2.233684	0.270874	11.14049	0.833347	0.116692	4.5E-19	11.72
8134051	C7orf63	NM_001039706	5.047537	0.527613	0.063982	5.980601	0.517215	0.072425	2.55E-16	1.91
8051275	CAPN13	NM_144575	5.613462	0.646455	0.078394	7.464938	0.885568	0.124004	1.27E-24	3.61
8177222	CD24	NM_013230	7.837238	0.677	0.082098	8.919725	0.555932	0.077846	1.44E-15	2.12
7996819	CDH3	NM_001793	6.5681	0.635198	0.077029	7.245698	0.384084	0.053782	8.01E-10	1.60
8022666	CHST9	NM_031422	4.796415	0.76573	0.092858	6.573682	0.586446	0.082119	4.58E-26	3.43
7983256	CKMT1A	NM_001015001	5.272234	0.546775	0.066306	6.545308	0.443362	0.062083	1.35E-25	2.42
7983239	CKMT1A	NM_001015001	5.17136	0.521921	0.063292	6.366174	0.415664	0.058205	2.97E-25	2.29
7902702	CLCA2	NM_006536	3.967147	0.68964	0.083631	5.625989	0.992776	0.139016	6.03E-19	3.16
8092726	CLDN1	NM_021101	7.542456	0.700291	0.084923	8.467449	0.359513	0.050342	5.55E-14	1.90
8068383	CLIC6	NM_053277	6.891371	0.668184	0.081029	8.207197	0.393312	0.055075	4.12E-23	2.49
8088866	CNTN3	NM_020872	4.763541	0.438411	0.053165	5.50561	0.358999	0.05027	7.31E-17	1.67
7936144	COL17A1	NM_000494	5.391336	0.546541	0.066278	6.267458	0.434276	0.060811	7.36E-16	1.84
8091385	CP	NM_000096	7.209376	0.962404	0.116709	9.311524	0.62876	0.088044	1.59E-25	4.29
8146967	CRISPLD1	NM_031461	5.173258	0.55975	0.06788	5.93925	0.482584	0.067575	3.43E-12	1.70
8095886	CXCL13	NM_006419	4.193295	1.088757	0.132031	5.080439	1.014932	0.142119	1.68E-05	1.85
8067140	CYP24A1	NM_000782	3.911556	0.801999	0.097257	5.698231	1.169478	0.16376	6.69E-17	3.45
8111019	DNAH5	NM_001369	5.761428	0.911461	0.110531	7.65026	0.61789	0.086522	1.19E-23	3.70

7985147	DNAJA4	NM_018602	6.681221	0.536561	0.065068	8.03221	0.523123	0.073252	6.76E-26	2.55
8022692	DSC3	NM_024423	4.319171	0.916467	0.111138	6.587045	0.737268	0.103238	1.28E-27	4.82
8115302	FAT2	NM_001447	4.425717	0.534489	0.064816	5.849787	0.570192	0.079843	1.95E-26	2.68
7972650	FGF14	NM_175929	5.768122	0.579399	0.070263	6.630853	0.526592	0.073738	2.23E-13	1.82
8162117	GOLM1	NM_016548	7.026544	0.347704	0.042165	7.918734	0.397528	0.055665	2.99E-24	1.86
8126820	GPR110	NM_153840	5.592194	0.820539	0.099505	6.344361	0.546893	0.07658	1.3E-07	1.68
8127072	GSTA1	NM_145740	4.866797	0.867304	0.105176	6.793644	0.773879	0.108365	3.6E-23	3.80
8081488	HHLA2	NM_007072	4.976548	0.840819	0.101964	6.228384	0.639298	0.08952	1.39E-14	2.38
8097335	HSPA4L	NM_014278	5.270673	0.550371	0.066742	6.46875	0.523924	0.073364	7.21E-22	2.29
8131666	ITGB8	NM_002214	6.48182	0.443894	0.05383	7.231499	0.412958	0.057826	9.06E-16	1.68
7903592	KIAA1324	NM_020775	6.371536	0.970518	0.117693	8.034209	0.473596	0.066317	3.6E-20	3.17
7943376	KIAA1377	NM_020802	5.687899	0.578149	0.070111	6.756443	0.497619	0.069681	1.48E-18	2.10
8174654	KLHL13	NM_033495	5.10394	0.411728	0.049929	5.798423	0.424255	0.059408	7.87E-15	1.62
8015337	KRT15	NM_002275	5.148521	0.839642	0.101822	6.930615	0.559007	0.078277	1.67E-24	3.44
8015387	KRT17	NM_000422	5.839095	0.525874	0.063772	6.884114	0.580218	0.081247	8.43E-18	2.06
7963427	KRT5	NM_000424	6.179866	1.290412	0.156485	8.498419	0.589444	0.082539	1.01E-21	4.99
7963410	KRT6C	NM_173086	5.691131	0.701543	0.085075	7.168624	0.837591	0.117286	2.93E-18	2.78
8158167	LCN2	NM_005564	6.776806	0.624583	0.075742	8.095912	0.719328	0.100726	8.78E-19	2.50
7983228	MAP1A	NM_002373	5.397213	0.414763	0.050297	6.262402	0.494151	0.069195	4.72E-18	1.82
7951271	MMP1	NM_002421	5.239336	1.601786	0.194245	7.688116	1.188507	0.166424	2.75E-15	5.46
7951309	MMP13	NM_002427	4.202814	0.802696	0.097341	5.571809	0.862346	0.120753	1.15E-14	2.58
7951217	MMP7	NM_002423	6.980733	1.103845	0.133861	8.899412	0.810666	0.113516	2.66E-18	3.78
7927529	MSMB	NM_002443	3.603989	1.234738	0.149734	5.645116	1.763866	0.246991	2.79E-11	4.12
8033674	MUC16	NM_024690	4.555695	0.56185	0.068134	6.349925	1.026976	0.143805	2.67E-22	3.47
8092978	MUC4	NM_018406	5.182463	0.673552	0.08168	6.981449	0.702869	0.098421	7.82E-27	3.48
7937612	MUC5B	NM_002458	5.76495	0.850481	0.103136	8.016949	1.052888	0.147434	5.76E-24	4.76
8091446	PFN2	NM_053024	6.29079	0.415506	0.050388	7.259176	0.456273	0.063891	5.07E-22	1.96
8136839	PIP	NM_002652	4.912183	0.739948	0.089732	6.725724	0.973778	0.136356	8.2E-21	3.52
7957514	PLEKHG7	NM_001004330	3.642453	0.514586	0.062403	5.056279	0.65503	0.091723	1.27E-24	2.66
8061883	PLUNC	NM_130852	4.887026	1.337042	0.16214	7.912049	2.100744	0.294163	3.52E-16	8.14
8099476	PROM1	NM_006017	5.084478	1.17967	0.143056	7.883185	0.92936	0.130136	1.76E-26	6.96
8102468	PRSS12	NM_003619	6.8087	0.743486	0.090161	7.848795	0.480315	0.067258	3.28E-14	2.06
7940654	SCGB1A1	NM_003357	10.58005	1.347916	0.163459	11.7866	0.353592	0.049513	9.59E-09	2.31
8116439	SCGB3A1	NM_052863	7.039587	0.970922	0.117742	8.75653	0.622335	0.087144	1.24E-19	3.29

8108995	SCGB3A2	NM_054023	9.532936	1.20749	0.14643	10.57709	0.575365	0.080567	1.09E-07	2.06
8023696	SERPINB3	NM_006919	3.439387	0.829729	0.100619	5.236027	1.471112	0.205997	1.44E-13	3.47
8021584	SERPINB5	NM_002639	3.526851	0.579947	0.070329	4.997092	0.755554	0.105799	6.71E-22	2.77
7979505	SIX1	NM_005982	4.772477	0.572126	0.06938	6.153643	0.482298	0.067535	2.56E-26	2.60
7979510	SIX4	NM_017420	5.486363	0.45074	0.05466	6.67086	0.415556	0.05819	5.43E-28	2.27
7983650	SLC27A2	NM_003645	5.327481	0.926394	0.112342	7.228526	0.758864	0.106262	9.07E-22	3.73
8125149	SLC44A4	NM_025257	7.706675	0.639561	0.077558	9.087622	0.502813	0.070408	1.29E-23	2.60
8178653	SLC44A4	NM_025257	7.706675	0.639561	0.077558	9.087622	0.502813	0.070408	1.29E-23	2.60
8179861	SLC44A4	NM_025257	7.706675	0.639561	0.077558	9.087622	0.502813	0.070408	1.29E-23	2.60
7972239	SLITRK6	NM_032229	4.828125	0.709309	0.086016	5.879594	0.637548	0.089275	2.25E-13	2.07
8084165	SOX2	NM_003106	5.724708	0.730492	0.088585	7.491007	0.544963	0.07631	1.25E-27	3.40
8096301	SPP1	NM_001040058	6.272499	1.538642	0.186588	8.950945	1.262213	0.176745	1.66E-17	6.40
8018774	ST6GALNAC1	NM_018414	5.392117	0.583042	0.070704	6.715447	0.415304	0.058154	5.03E-26	2.50
8081288	TMEM45A	NM_018004	6.80263	0.566685	0.068721	8.322511	0.55838	0.078189	8.9E-28	2.87
7944164	TMPRSS4	NM_019894	4.711974	0.689195	0.083577	6.439391	0.664878	0.093101	6.85E-26	3.31
8084766	TP63	NM_003722	4.947544	0.657546	0.079739	6.229554	0.403457	0.056495	1.44E-22	2.43
8002020	TPPP3	NM_016140	7.071257	0.42596	0.051655	7.8422	0.470628	0.065901	1.2E-15	1.71
8097841	TRIM2	NM_015271	6.699783	0.447917	0.054318	7.362132	0.313005	0.043829	6.12E-15	1.58
7952290	TRIM29	NM_012101	5.372794	0.639576	0.07756	6.811125	0.420764	0.058919	2.19E-26	2.71
8049349	UGT1A1	NM_000463	4.454877	0.640133	0.077628	5.685991	0.398341	0.055779	4.32E-22	2.35
7918936	VTCN1	NM_024626	4.59465	0.438214	0.053141	6.0951	0.59164	0.082846	1.05E-30	2.83

Supplemental Table S4. Transcripts in cluster C with statistics for expression levels in clusters I and II.

ID	Gene Symbol	RefSeq	cluster I mean	cluster I SD	cluster I SEM	cluster II mean	cluster II SD	cluster II SEM	two-tailed ttest pvalue	cluster II/cluster I fold change
7998784	ABCA3	NM_001089	8.05	0.72	0.09	6.68	1.02	0.14	5E-14	-2.58
8058591	ACADL	NM_001608	6.23	0.73	0.09	5.29	0.67	0.09	8.19E-11	-1.91
7955562	ACVRL1	NM_000020	6.63	0.43	0.05	5.84	0.28	0.04	9.34E-21	-1.74
8054254	AFF3	NM_002285	5.42	0.48	0.06	4.65	0.42	0.06	2.23E-15	-1.71
8178771	AGER	NM_001136	9.11	0.92	0.11	7.47	0.97	0.14	6.2E-16	-3.11
8125341	AGER	NM_001136	9.13	0.91	0.11	7.50	0.97	0.14	6.56E-16	-3.10
8179967	AGER	NM_001136	8.80	0.88	0.11	7.24	0.92	0.13	4.9E-16	-2.95
8169492	AGTR2	NM_000686	4.13	0.92	0.11	3.39	0.59	0.08	1.53E-06	-1.67
7934979	ANKRD1	NM_014391	6.41	1.29	0.16	4.26	0.77	0.11	7.57E-19	-4.46
8095986	ANXA3	NM_005139	7.89	0.78	0.09	7.13	0.64	0.09	1.44E-07	-1.69
7968789	C13orf15	NM_014059	8.81	0.56	0.07	8.17	0.45	0.06	8.02E-10	-1.56
8087691	CACNA2D2	NM_001005505	7.23	0.66	0.08	6.13	0.90	0.13	5.65E-12	-2.14
8057377	CCDC141	NM_173648	5.65	0.70	0.08	4.58	0.76	0.11	1.28E-12	-2.10
7996264	CDH5	NM_001795	8.39	0.51	0.06	7.32	0.43	0.06	2.15E-22	-2.10
7903920	CHI3L2	NM_001025199	5.17	0.77	0.09	4.75	0.59	0.08	0.001651	-1.33
8082928	CLDN18	NM_001002026	7.98	0.78	0.09	6.50	1.13	0.16	9.78E-14	-2.78
7971444	CPB2	NM_001872	5.97	1.04	0.13	4.38	1.21	0.17	5.5E-12	-3.01
7935535	CRTAC1	NM_018058	5.54	0.67	0.08	5.09	0.59	0.08	0.000207	-1.37
7914950	CSF3R	NM_156039	6.04	0.46	0.06	5.56	0.56	0.08	1.08E-06	-1.40
8141328	CYP3A5	NR_033807	4.96	0.60	0.07	4.28	0.40	0.06	1.59E-10	-1.60
8118061	DPCR1	NM_080870	4.77	0.40	0.05	4.19	0.42	0.06	5.03E-12	-1.50
8179221	DPCR1	NM_080870	4.92	0.40	0.05	4.42	0.39	0.05	5.06E-10	-1.41
8104570	FAM105A	NM_019018	7.33	0.43	0.05	6.75	0.37	0.05	3.7E-12	-1.50
8019392	FASN	NM_004104	7.09	0.57	0.07	6.51	0.57	0.08	2.32E-07	-1.50
7914075	FCN3	NM_003665	7.65	0.89	0.11	6.10	0.81	0.11	1.01E-16	-2.93
7919314	FMO5	NM_001461	6.65	0.58	0.07	6.44	0.64	0.09	0.06292	-1.16
8045776	GALNT13	NM_052917	3.56	0.44	0.05	3.27	0.22	0.03	2.77E-05	-1.22
7946641	GALNTL4	NM_198516	5.82	0.34	0.04	5.55	0.22	0.03	3.06E-06	-1.21

7983890	GCOM1	NM_001018100	6.18	0.65	0.08	5.31	0.39	0.05	8.19E-14	-1.82
7983704	GLDN	NM_181789	6.26	0.83	0.10	5.22	0.66	0.09	2.63E-11	-2.05
8109383	GRIA1	NM_000827	5.72	0.83	0.10	4.80	0.48	0.07	1.04E-10	-1.90
8057898	HECW2	NM_020760	6.66	0.83	0.10	5.16	0.51	0.07	1.21E-20	-2.82
8097628	HHIP	NM_022475	7.02	0.76	0.09	5.82	0.93	0.13	3.2E-12	-2.30
8111941	HMGCS1	NM_001098272	7.74	0.61	0.07	7.30	0.50	0.07	4.2E-05	-1.36
8103769	HPGD	NM_000860	8.65	1.07	0.13	7.11	0.76	0.11	1.95E-14	-2.90
7956271	HSD17B6	NM_003725	6.71	0.74	0.09	6.07	0.89	0.12	3.74E-05	-1.56
8061564	ID1	NM_181353	6.13	0.53	0.06	5.75	0.45	0.06	5.21E-05	-1.31
7921702	ITLN2	NM_080878	4.05	0.53	0.06	3.52	0.43	0.06	4.51E-08	-1.44
8020551	LAMA3	NM_198129	6.96	0.51	0.06	6.24	0.37	0.05	7.95E-14	-1.64
8092707	LEPREL1	NM_018192	6.55	0.64	0.08	5.48	0.66	0.09	1.2E-14	-2.10
7903935	LOC149620	NR_003928	4.79	1.03	0.13	4.13	0.68	0.10	0.00011	-1.59
8056611	LRP2	NM_004525	5.83	0.85	0.10	5.08	0.82	0.12	3.37E-06	-1.69
8064894	LRRN4	NM_152611	6.37	0.65	0.08	5.83	0.56	0.08	5.93E-06	-1.45
8166925	MAOA	NM_000240	8.09	0.37	0.05	7.78	0.45	0.06	7.45E-05	-1.24
7900365	MFSD2A	NM_001136493	6.86	0.62	0.08	6.09	0.61	0.09	7.09E-10	-1.70
8083494	MME	NM_007288	7.09	0.66	0.08	6.20	0.58	0.08	5.31E-12	-1.85
7940333	MS4A15	NM_001098835	6.26	0.77	0.09	6.08	0.65	0.09	0.188675	-1.13
8147244	NECAB1	NM_022351	5.14	0.67	0.08	4.50	0.42	0.06	2.2E-08	-1.56
8083447	P2RY1	NM_002563	6.13	0.43	0.05	5.49	0.34	0.05	2E-14	-1.56
7928944	PAPSS2	NM_004670	8.42	0.42	0.05	7.65	0.39	0.05	6.01E-18	-1.71
8149725	PEBP4	NM_144962	7.25	0.87	0.11	6.31	0.98	0.14	1.74E-07	-1.93
8126324	PGC	NM_002630	9.65	1.09	0.13	8.53	1.49	0.21	5.99E-06	-2.17
7967034	PLA2G1B	NM_000928	5.85	0.70	0.08	4.73	0.80	0.11	7.06E-13	-2.16
7987815	PLA2G4F	NM_213600	5.93	0.59	0.07	4.83	0.69	0.10	8.28E-16	-2.14
8001547	PLLP	NM_015993	7.31	0.45	0.05	6.70	0.38	0.05	1.9E-12	-1.53
7933855	RTKN2	NM_145307	6.81	1.40	0.17	4.76	0.95	0.13	4.51E-15	-4.14
8098060	RXFP1	NM_021634	4.53	0.64	0.08	3.50	0.46	0.06	8.44E-17	-2.04
7929816	SCD	NM_005063	9.18	0.62	0.08	8.14	0.93	0.13	4.37E-11	-2.05
8056457	SCN1A	NM_001165963	4.56	0.59	0.07	3.94	0.44	0.06	4.61E-09	-1.54
8150889	SDR16C5	NM_138969	5.74	0.68	0.08	5.27	0.60	0.08	0.00015	-1.39
8059538	SLC19A3	NM_025243	5.66	0.55	0.07	4.87	0.64	0.09	5.15E-11	-1.73
8154135	SLC1A1	NM_004170	6.42	0.59	0.07	5.73	0.54	0.08	1.85E-09	-1.61

8101992	SLC39A8	NM_022154	9.40	0.68	0.08	8.30	0.79	0.11	5.64E-13	-2.13
7901316	SLC5A9	NM_001135181	4.38	0.37	0.05	4.01	0.25	0.03	1.79E-08	-1.29
8013989	SLC6A4	NM_001045	7.00	1.62	0.20	4.55	0.74	0.10	2.08E-17	-5.47
8113369	SLCO4C1	NM_180991	6.19	0.83	0.10	5.41	0.99	0.14	8.03E-06	-1.72
7984353	SMAD6	NR_027654	6.88	0.74	0.09	5.79	0.34	0.05	5.97E-17	-2.13
8138363	SOSTDC1	NM_015464	6.15	1.37	0.17	4.61	0.90	0.13	1.8E-10	-2.91
7934215	SPOCK2	NM_014767	7.20	0.65	0.08	5.97	0.48	0.07	1.29E-20	-2.35
7978376	STXBP6	NM_014178	5.84	0.65	0.08	4.84	0.33	0.05	1.81E-17	-2.00
8016841	TMEM100	NM_001099640	5.59	1.05	0.13	4.15	0.53	0.07	7.4E-15	-2.71
8057056	TTN	NM_133378	6.14	0.71	0.09	5.06	0.77	0.11	1.26E-12	-2.11
8079060	VIPR1	NM_004624	7.43	0.96	0.12	6.12	0.38	0.05	1.17E-15	-2.49
8057418	ZNF385B	NM_152520	6.05	0.48	0.06	5.18	0.64	0.09	1.05E-13	-1.83
8173924		---	4.83	0.72	0.09	3.92	0.67	0.09	1.61E-10	-1.88
8145083		---	5.78	0.70	0.08	5.04	0.47	0.07	1.76E-09	-1.67

Supplemental Table S5. Transcripts in cluster A with statistics for expression levels in clusters I and II.

ID	Gene Symbol	RefSeq	cluster I mean	cluster I SD	cluster I SEM	cluster II mean	cluster II SD	cluster II SEM	two-tailed ttest pvalue	cluster II/cluster I fold change
7947947	AGBL2	NM_024783	4.34	0.62	0.07	5.89	0.66	0.09	4.60566E-25	2.95
7926638	ARMC3	NM_173081	4.34	0.95	0.11	6.57	0.83	0.12	3.06336E-25	4.68
7932744	ARMC4	NM_018076	4.64	0.84	0.10	6.50	0.74	0.10	2.19279E-23	3.62
7927723	C10orf107	NM_173554	5.55	0.77	0.09	7.40	0.69	0.10	7.09044E-26	3.61
7936201	C10orf79	NM_025145	5.16	1.22	0.15	7.59	0.74	0.10	1.36626E-23	5.41
7943387	C11orf70	NM_032930	4.14	0.50	0.06	5.77	0.73	0.10	6.87052E-28	3.10
7943740	C11orf88	NM_207430	4.80	0.92	0.11	6.64	0.70	0.10	5.83499E-22	3.58
7957673	C12orf55	ENST00000298953	5.67	0.89	0.11	7.42	0.69	0.10	2.53912E-21	3.36
7957688	C12orf63	ENST00000342887	4.45	0.89	0.11	6.25	0.69	0.10	3.38517E-22	3.49
7968866	C13orf30	NM_182508	5.68	1.21	0.15	7.98	0.77	0.11	7.36514E-22	4.94
7907232	C1orf129	NM_025063	3.56	0.69	0.08	5.22	0.68	0.09	1.03671E-24	3.18
7917019	C1orf173	NM_001002912	4.62	0.96	0.12	6.62	0.70	0.10	1.65443E-23	4.01
7921862	C1orf192	NM_001013625	4.85	0.88	0.11	6.71	0.75	0.10	1.43347E-22	3.63
7918294	C1orf194	NM_001122961	6.08	1.27	0.15	8.41	0.85	0.12	1.42779E-20	5.05
7916629	C1orf87	NM_152377	4.84	0.77	0.09	6.57	0.68	0.10	7.62904E-24	3.31
8061272	C20orf26	NM_015585	4.59	0.71	0.09	6.34	0.74	0.10	1.69588E-24	3.36
8063601	C20orf85	NM_178456	6.95	1.06	0.13	8.95	0.65	0.09	5.65111E-22	4.02
8040672	C2orf39	NM_145038	4.30	0.73	0.09	6.16	0.76	0.11	1.95799E-25	3.63
8056710	C2orf77	NM_001085447	3.66	0.74	0.09	5.40	0.79	0.11	9.59443E-23	3.33
8081903	C3orf15	NM_033364	4.15	0.65	0.08	5.64	0.62	0.09	2.00223E-23	2.80
8111864	C6	NM_001115131	5.04	0.86	0.10	6.89	0.75	0.10	1.06655E-22	3.60
8122561	C6orf103	NM_024694	3.85	0.79	0.10	5.57	0.74	0.10	3.12432E-22	3.29
8130664	C6orf118	NM_144980	4.72	0.75	0.09	6.52	0.75	0.10	2.01863E-24	3.48
8121015	C6orf165	NM_001031743	4.48	0.77	0.09	6.40	0.73	0.10	5.30366E-26	3.78
8122827	C6orf97	NM_025059	5.45	0.66	0.08	7.01	0.65	0.09	5.17112E-24	2.94
8155747	C9orf135	NM_001010940	4.08	0.71	0.09	5.96	0.80	0.11	8.78436E-26	3.70
8025004	CAPS	NM_004058	7.27	0.70	0.08	8.85	0.64	0.09	8.75299E-24	2.99
8111506	CAPSL	NM_144647	4.30	0.66	0.08	6.04	0.69	0.10	1.35952E-26	3.33
7961844	CASC1	NM_018272	4.25	0.69	0.08	5.84	0.69	0.10	2.78054E-23	3.02

8023314	CCDC11	NM_145020	4.69	0.83	0.10	6.71	0.75	0.11	5.05239E-26	4.06
7996198	CCDC113	NM_014157	5.19	0.70	0.09	6.92	0.73	0.10	1.02407E-24	3.32
8133770	CCDC146	NM_020879	5.84	0.83	0.10	7.71	0.72	0.10	2.71545E-24	3.67
8092295	CCDC39	NM_181426	4.07	0.65	0.08	5.62	0.67	0.09	4.41572E-24	2.94
7959108	CCDC60	NM_178499	4.46	0.56	0.07	6.08	0.65	0.09	3.93763E-28	3.07
8135341	CDHR3	NM_152750	6.23	1.21	0.15	8.46	0.75	0.11	4.64835E-21	4.67
8057463	CERKL	NM_201548	4.43	0.60	0.07	5.88	0.61	0.09	1.4335E-24	2.74
8166671	CXorf22	NM_152632	4.27	0.84	0.10	6.11	0.71	0.10	1.52133E-23	3.58
8166690	CXorf59	NM_173695	4.53	1.08	0.13	6.66	0.79	0.11	7.25644E-22	4.37
7959681	DNAH10	NM_207437	4.78	1.00	0.12	6.89	0.74	0.10	1.26189E-23	4.31
7959696	DNAH10	NM_207437	4.89	0.70	0.09	6.50	0.68	0.10	1.96512E-23	3.06
8131719	DNAH11	NM_003777	5.33	0.97	0.12	7.08	0.69	0.10	1.32262E-19	3.36
8088299	DNAH12	NM_178504	5.07	1.18	0.14	7.47	0.81	0.11	3.84796E-23	5.25
8088315	DNAH12	NM_178504	4.69	1.07	0.13	6.85	0.90	0.13	2.23839E-21	4.46
8088322	DNAH12	NM_198564	4.37	0.93	0.11	6.31	0.70	0.10	2.60712E-23	3.83
8000034	DNAH3	NM_017539	4.55	0.84	0.10	6.61	0.81	0.11	2.18817E-25	4.16
8111019	DNAH5	NM_001369	5.76	0.92	0.11	7.65	0.62	0.09	1.18648E-23	3.70
8043043	DNAH6	NM_001370	4.96	0.89	0.11	6.77	0.63	0.09	3.89264E-23	3.53
8043055	DNAH6	NM_001370	5.20	0.76	0.09	6.71	0.69	0.10	4.2254E-20	2.85
8043059	DNAH6	NM_001370	4.57	0.98	0.12	6.63	0.76	0.11	3.77325E-23	4.18
8043071	DNAH6	NM_001370	4.46	0.83	0.10	6.40	0.74	0.10	4.79633E-25	3.85
8057821	DNAH7	NM_018897	5.04	0.81	0.10	6.75	0.67	0.09	1.30542E-22	3.27
8004957	DNAH9	NM_001372	4.97	0.88	0.11	6.97	0.79	0.11	6.62126E-24	3.98
8154892	DNAI1	NM_012144	4.90	0.75	0.09	6.74	0.74	0.10	2.43535E-25	3.59
7985147	DNAJA4	NM_018602	6.68	0.54	0.07	8.03	0.53	0.07	6.76311E-26	2.55
8141882	DPY19L2P2	NR_027768	4.02	0.66	0.08	5.33	0.62	0.09	6.42976E-20	2.49
8094533	DTHD1	NM_001136536	5.89	1.06	0.13	7.96	0.70	0.10	2.6122E-22	4.18
8081503	DZIP3	NM_014648	6.15	0.48	0.06	7.29	0.55	0.08	4.78491E-22	2.20
8150691	EFCAB1	NM_024593	5.05	1.17	0.14	7.50	0.82	0.11	5.64047E-24	5.47
8085732	EFHB	NM_144715	4.02	0.74	0.09	5.86	0.86	0.12	2.08813E-23	3.58
8120222	EFHC1	NR_033327	6.84	0.55	0.07	8.10	0.52	0.07	1.41035E-23	2.38
8172225	EFHC2	NM_025184	4.13	0.58	0.07	5.53	0.62	0.09	1.04893E-23	2.64
7932598	ENKUR	NM_145010	4.32	1.03	0.13	6.57	0.82	0.11	5.97676E-24	4.74
7985398	FAM154B	AK304339	6.16	1.05	0.13	8.21	0.58	0.08	1.19141E-23	4.17

7900635	FAM183A	NM_001101376	4.44	0.69	0.08	6.17	0.82	0.11	2.97281E-23	3.31
8106950	FAM81B	NM_152548	4.60	0.74	0.09	6.42	0.68	0.10	5.61999E-26	3.52
7931281	FANK1	NM_145235	5.54	0.68	0.08	7.19	0.73	0.10	1.07581E-23	3.14
8002446	HYDIN	NM_032821	4.80	0.79	0.10	6.58	0.70	0.10	7.86623E-24	3.42
8002470	HYDIN	NM_032821	4.94	0.80	0.10	6.63	0.66	0.09	8.28501E-23	3.23
8002481	HYDIN	NM_032821	4.77	0.76	0.09	6.46	0.62	0.09	3.33833E-24	3.23
8002492	HYDIN	NM_032821	6.06	0.91	0.11	7.83	0.68	0.09	1.7374E-21	3.43
8085062	IL5RA	NM_000564	4.57	0.67	0.08	5.99	0.63	0.09	1.56688E-21	2.68
8142646	IQUB	NM_178827	4.01	0.75	0.09	5.76	0.75	0.10	1.15852E-23	3.37
7969166	KCNRG	NM_173605	6.36	0.67	0.08	7.62	0.54	0.08	8.87519E-20	2.39
8076113	LOC646851	NM_001013647	5.01	0.65	0.08	6.49	0.67	0.09	2.59992E-22	2.78
8008040	LRRC46	NM_033413	5.52	0.93	0.11	7.67	0.84	0.12	1.24875E-24	4.46
8005289	LRRC48	NM_001130090	5.23	0.87	0.11	7.09	0.75	0.11	1.35026E-22	3.63
7997556	LRRC50	NM_178452	5.94	1.11	0.13	8.07	0.81	0.11	3.34321E-21	4.39
7957433	LRRIQ1	NM_032165	4.80	0.99	0.12	6.84	0.76	0.11	1.00048E-22	4.09
8058462	MDH1B	NM_001039845	4.39	0.78	0.09	6.30	0.74	0.10	1.01811E-25	3.77
7989146	MNS1	NM_018365	4.65	0.65	0.08	6.19	0.72	0.10	7.966E-23	2.91
8157632	MORN5	NM_198469	4.21	0.66	0.08	5.88	0.73	0.10	1.26436E-24	3.19
7940323	MS4A8B	NM_031457	6.03	1.32	0.16	8.55	0.74	0.10	8.10254E-23	5.75
8085867	NEK10	NM_199347	4.60	0.79	0.10	6.41	0.71	0.10	3.34236E-24	3.52
8082643	NEK11	NM_024800	5.30	0.58	0.07	6.47	0.54	0.08	2.09811E-20	2.25
7971757	NEK5	NM_199289	4.75	0.74	0.09	6.39	0.65	0.09	1.65306E-23	3.11
8114354	NME5	NM_003551	4.40	0.51	0.06	5.87	0.69	0.10	2.78276E-25	2.77
8123303	PACRG	NM_152410	4.83	0.65	0.08	6.28	0.58	0.08	1.15454E-23	2.74
7951672	PIH1D2	NM_138789	3.65	0.63	0.08	5.27	0.74	0.10	3.4322E-24	3.07
7957514	PLEKHG7	NM_001004330	3.64	0.52	0.06	5.06	0.66	0.09	1.26987E-24	2.66
8158081	PTRH1	ENST00000419060	4.82	0.71	0.09	6.41	0.74	0.10	9.34416E-22	3.01
8151999	RGS22	NM_015668	4.75	0.65	0.08	6.23	0.67	0.09	1.8017E-22	2.79
8142079	RINT1	NM_021930	4.17	0.75	0.09	5.96	0.79	0.11	1.80716E-23	3.45
8104492	ROPN1L	NM_031916	5.70	0.91	0.11	7.73	0.76	0.11	3.95842E-24	4.09
8146468	RP1	NM_006269	4.73	0.99	0.12	6.47	0.69	0.10	4.96611E-19	3.33
8001423	RPGRIP1L	NM_015272	4.83	0.48	0.06	5.99	0.57	0.08	3.04665E-22	2.23
8070603	RSPH1	NM_080860	5.43	0.80	0.10	7.28	0.61	0.08	2.06047E-26	3.61
8138009	RSPH10B	NM_173565	4.64	1.01	0.12	6.82	0.76	0.11	3.97315E-24	4.53

8131452	RSPH10B	NM_173565	4.56	0.97	0.12	6.65	0.74	0.10	6.26893E-24	4.24
8121622	RSPH4A	NM_001010892	4.88	0.91	0.11	7.02	0.79	0.11	2.07993E-25	4.41
8091910	SERPINI2	NM_006217	3.99	0.58	0.07	5.17	0.59	0.08	1.22599E-19	2.26
8080863	SNTN	NM_001080537	5.26	1.33	0.16	7.77	0.82	0.11	6.83162E-22	5.72
7944869	SPA17	NM_017425	5.53	0.54	0.07	6.92	0.66	0.09	1.81022E-23	2.62
7918973	SPAG17	NM_206996	4.19	0.92	0.11	6.19	0.76	0.11	1.56552E-23	3.99
7926622	SPAG6	NM_012443	5.99	1.23	0.15	8.23	0.68	0.10	1.51659E-21	4.73
7909768	SPATA17	NM_138796	4.83	0.73	0.09	6.47	0.64	0.09	4.8888E-24	3.12
8095021	SPATA18	NM_145263	6.90	0.72	0.09	8.55	0.64	0.09	2.58059E-24	3.14
7946365	STK33	NM_030906	5.87	0.70	0.08	7.31	0.57	0.08	3.56856E-22	2.70
7971126	STOML3	NM_145286	4.68	1.01	0.12	6.82	0.87	0.12	2.9132E-22	4.39
7927915	STOX1	NM_152709	3.77	0.56	0.07	5.34	0.77	0.11	1.94257E-24	2.98
8011990	TEKT1	NM_053285	5.09	0.90	0.11	7.07	0.78	0.11	1.23175E-23	3.96
7983828	TEX9	NM_198524	5.09	0.67	0.08	6.69	0.56	0.08	2.844E-26	3.03
8083897	TMEM212	NM_001164436	4.92	1.15	0.14	7.25	0.93	0.13	7.48489E-22	5.04
8113483	TMEM232	NM_001039763	6.00	1.03	0.13	8.08	0.77	0.11	3.03406E-22	4.22
8054166	TSGA10	NM_025244	4.13	0.62	0.08	5.66	0.58	0.08	7.69746E-26	2.88
7901175	TSPAN1	NM_005727	6.90	1.00	0.12	8.95	0.66	0.09	6.1602E-24	4.16
7934334	TTC18	NM_145170	5.00	0.72	0.09	6.53	0.63	0.09	1.9348E-22	2.89
8007176	TTC25	NM_031421	4.73	0.75	0.09	6.54	0.72	0.10	4.50153E-25	3.51
7898623	UBXN10	NM_152376	5.20	0.55	0.07	6.37	0.45	0.06	3.551E-23	2.25
7993898	VWA3A	NM_173615	4.94	0.64	0.08	6.31	0.66	0.09	1.84764E-20	2.58
8043747	VWA3B	NM_144992	4.51	0.84	0.10	6.30	0.76	0.11	5.34516E-22	3.46
8004889	WDR16	NM_145054	4.85	0.82	0.10	6.60	0.63	0.09	1.22249E-23	3.36
8091922	WDR49	NM_178824	5.72	0.95	0.12	7.52	0.63	0.09	2.30504E-21	3.48
7902660	WDR63	NM_145172	4.59	0.71	0.09	6.20	0.64	0.09	5.60486E-24	3.05
7900639	WDR65	NR_030778	4.56	0.78	0.09	6.29	0.70	0.10	3.21448E-23	3.31
7959330	WDR66	NM_144668	5.19	0.67	0.08	6.82	0.68	0.09	9.02119E-25	3.10
8048870	WDR69	NM_178821	4.66	0.83	0.10	6.48	0.73	0.10	3.6611E-23	3.52
7916789	WDR78	NM_024763	5.79	0.81	0.10	7.65	0.68	0.10	6.69418E-25	3.62
8055361	YSK4	NM_025052	3.60	0.64	0.08	5.22	0.72	0.10	2.0778E-24	3.08
8091887	ZBBX	NM_024687	4.84	1.29	0.16	7.42	0.81	0.11	2.09979E-23	5.99

Supplemental Table S6. Transcription factors (TFs) whose binding sites are most significantly enriched in genes that are differentially expressed in Group II compared to Group I IPF. Genes with GroupII/Group I IPF fold change >1.5 were divided into upregulated and donwregulated datasets and subject to upstream regulator analysis module in Inegunity Pathway Analysis. Shown are 5 most significant transcription factors in each dataset.

Dataset	TF	Activation z-score	p-value of overlap	Target molecules in dataset
Upregulated	RFX3	1.63	2.55E-07	ALMS1,DNAH11,DNAH5,DNAH9,FOXJ1,IL5RA,MAP1A
	ETV3		5.69E-04	MMP1 (includes EG:300339),MYB,SPP1 (includes EG:100359743)
	FOSL1	1	1.41E-03	CXCL6,CYP2J2,GCLC,MET,MMP1 (includes EG:300339),MMP13,RUNX2
	ZNF384		1.52E-03	MMP1 (includes EG:300339),MMP7,RUNX2
	CDX2	1.99	2.87E-03	CLDN1,DHRS9,FUT2,ITGB4,MUC4,SOX2,UGT1A9
Downregulated	NKX2-1	-2.19	2.70E-09	AGER,AGTR2,AQP1,CLDN18,EMP2,ESAM,HCK,INMT,LRP2,NAPSA,PLA2G1B,SCD,SFTPA1, SFTPC, SFTPD
	CEBPA	-3.12	2.37E-08	ABCA3,ALOX5AP,CA2,CPB2,CYP3A5,EFNB2,EMCN,FASN,FLT1,HPGD,ICAM2,IFI27,LPL,MNDA,PPARG,SCD,SFTPA1,SFTPC,SFTPD,THBD
	SP1	-2.59	8.72E-07	AGER,ALOX15B,ALOX5,CAV1,FASN,FLT1,FPR2 (includes EG:100426968),GRIA1,LPL,MRC1 (includes EG:100286774),NCF2,NPR1 (includes EG:18160), PDGFB, PREX1, ROBO4, SFTPA2, SLC11A1 ,SLC39A8,THBD,TNNC1
	NFATC3	-1.98	3.01E-06	ABCA3,BMP2,EDN1,PPARG,SFTPA1,SFTPC,SFTPD
	NKX2-3	1.28	1.17E-05	ALPL,BMP2,CD36,CLEC1A,EDN1,FCN3,IL7R,KLF4,MAP2,PAPSS2,PLA1A,TMEM100

Supplemental Table S7. Subject demographics and clinical characteristics of the validation (NJH) cohort.

Disease Group	Control	IPF/UIP	p value	Group I IPF	Gropu II IPF	p value
Number	39	111		74	37	
Age - mean (std dev)	52.1(17.8)	62.7 (8.8)	0.00000286**	61.8(9.2)	64.7(7.6)	0.0955**
Gender – % male	64%	60%	0.61***	51.4%	63.5%	0.219***
Race - % Caucasian	74%	88%	0.0378***	89.2%	86.4%	0.676***
Smoker – N (%)			<0.0001***			0.704***
Current	16 (41%)	12 (11%)		9 (12%)	3 (9%)	
Former	5 (13%)	62 (56%)		43 (58%)	19 (51%)	
Never	17 (44%)	32 (29%)		19 (26%)	13 (35%)	
Unknown	1 (3%)	5 (5%)		3 (4%)	2 (5%)	
Pack years - mean (std dev)*	19.5)	43.5 (31.5)	0.030**	45.5 (34.1)	38.7 (24.3)	0.398**
pre-BD FVC, %predicted				67.1 (17.5)	63.7 (17.2)	0.358**
DLCO, %predicted				52.1 (18.8)	54.2 (9.6)	0.557**
Lung tissue pathology - microscopic honeycombing score						
0 (unscored/not present)				45	16	
1 (rare)				13	9	0.0542****
2 (present)				12	10	
Lung tissue pathology - fibroblastic foci score						
0 (unscored/not present)				27	13	0.531****
1 (rare)				16	6	
2 (present)				27	16	

* Average for current and former smokers
** by two-tailed t-test
*** by chi square test
**** by Fisher Exact test, test for 0 compared to combined 1 and 2 scores