

List 1: Differentially expressed genes of L.g.M-(Lg13) infected BMMφ vs uninfected BMMφ

Gene ID	Symbol	Entrez Gene Name	Fold change	p-value
20304	Ccl5	chemokine (C-C motif) ligand 5	28.800	1.30E-07
14469	Gbp2	guanylate binding protein 2, interferon-inducible	11.004	2.79E-09
19716	Bex1	brain expressed, X-linked 1	10.898	6.77E-10
17750	Mt1E	metallothionein 1E	9.788	3.24E-09
20742	Sptbn1	spectrin, beta, non-erythrocytic 1	7.574	7.19E-10
11770	Fabp4	fatty acid binding protein 4, adipocyte	5.329	7.33E-07
215821	Kiaa1244	KIAA1244	4.830	2.22E-05
57444	Ucp1	uncoupling protein 1 (mitochondrial, proton carrier)	4.547	6.97E-05
23892	Grem1	gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis)	4.482	1.96E-07
18595	Pdgfra	platelet-derived growth factor receptor, alpha polypeptide	4.216	1.87E-05
64290	Foxb1	forkhead box B1	4.084	1.19E-07
219132	D14Erttd668E	DNA segment, Chr 14, ERATO Doi 668, expressed	4.070	1.74E-08
11674	Aldoa	aldolase A, fructose-bisphosphate	4.025	1.71E-04
17748	Mt1F	metallothionein 1F	3.818	2.36E-08
73458	Aldh3B2	aldehyde dehydrogenase 3 family, member B2	3.808	1.17E-10
56044	Cyp1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	3.776	1.09E-06
17069	Ly6E	lymphocyte antigen 6 complex, locus E	3.696	6.17E-06
75607	Wnk2	WNK lysine deficient protein kinase 2	3.678	1.10E-08
74645	Fam46C	family with sequence similarity 46, member C	3.671	5.96E-07
68703	Rere	arginine-glutamic acid dipeptide (RE) repeats	3.600	3.75E-03
17470	Cd200	CD200 molecule	3.583	1.24E-04
229900	Gbp7	guanylate binding protein 7	3.583	1.71E-04
109648	Npy	neuropeptide Y	3.555	7.94E-06
17161	Maoa	monoamine oxidase A	3.543	3.14E-06
11922	Neurod6	neurogenic differentiation 6	3.480	8.64E-07
19017	Ppargc1A	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	3.463	2.76E-08
21761	Morf4L1	mortality factor 4 like 1	3.260	3.01E-09
16421	Itgb7	integrin, beta 7	3.247	1.36E-07
12986	Csf3R	colony stimulating factor 3 receptor (granulocyte)	3.215	4.55E-03
245631	Mum1L1	melanoma associated antigen (mutated) 1-like 1	3.209	6.38E-06
66356	C16orf88	chromosome 16 open reading frame 88	3.167	2.78E-10
18991	Pou3F1	POU class 3 homeobox 1	3.156	1.49E-06
14999	Hla-Dmb	major histocompatibility complex, class II, DM beta	3.147	3.63E-02
13490	Drd3	dopamine receptor D3	3.121	6.16E-08
14862	Gstm5	glutathione S-transferase mu 5	3.087	6.27E-07
382643	Ahnak2	AHNAK nucleoprotein 2	3.069	6.61E-09
27361	Sepx1	selenoprotein X, 1	3.057	4.71E-07
12444	Ccnd2	cyclin D2	3.040	1.56E-06
67182	Pdzk1Ip1	PDZK1 interacting protein 1	3.021	3.63E-05
102294	Cyp4V2	cytochrome P450, family 4, subfamily V, polypeptide 2	3.008	2.77E-06
16173	Il18	interleukin 18 (interferon-gamma-inducing factor)	2.940	2.06E-04
22042	Tfrc	transferrin receptor (p90, CD71)	2.912	1.05E-05
56312	Nupr1	nuclear protein, transcriptional regulator, 1	2.912	1.97E-05
20299	Ccl22	chemokine (C-C motif) ligand 22	2.904	5.39E-04
11352	Abl2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)	2.874	2.48E-03
218639	Arl15	ADP-ribosylation factor-like 15	2.860	1.52E-08
109019	Obfc2A	oligonucleotide/oligosaccharide-binding fold containing 2A	2.834	1.05E-06
18387	Oprk1	opioid receptor, kappa 1	2.797	2.09E-08
19186	Psme1	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)	2.797	3.80E-07
20846	Stat1	signal transducer and activator of transcription 1, 91kDa	2.789	6.73E-06
399568	C15orf41	chromosome 15 open reading frame 41	2.784	4.85E-08
75141	Rasd2	RASD family, member 2	2.764	5.76E-07
58875	Hibadh	3-hydroxyisobutyrate dehydrogenase	2.757	2.79E-07
114874	Ddhd1	DDHD domain containing 1	2.757	3.10E-10
17873	Gadd45B	growth arrest and DNA-damage-inducible, beta	2.745	9.56E-06
16832	Ldhb	lactate dehydrogenase B	2.728	2.16E-07
64058	Perp	PERP, TP53 apoptosis effector	2.728	7.26E-04
230073	Ddx58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	2.723	2.88E-07
217031	Tada2A	transcriptional adaptor 2A	2.706	2.20E-09
15945	Cxcl10	chemokine (C-X-C motif) ligand 10	2.683	3.70E-04
22259	Nr1H3	nuclear receptor subfamily 1, group H, member 3	2.676	4.52E-07
24099	Tnfsf13B	tumor necrosis factor (ligand) superfamily, member 13b	2.659	3.04E-06
16145	Igtp	interferon gamma induced GTPase	2.657	1.66E-05

77864	Ypel2	yippee-like 2 (Drosophila)	2.639	1.48E-02
56382	Hspd1	heat shock 60kDa protein 1 (chaperonin)	2.615	3.65E-06
76633	C10Orf11	chromosome 10 open reading frame 11	2.608	3.58E-03
17304	Mfge8	milk fat globule-EGF factor 8 protein	2.603	7.26E-05
67963	Npc2	Niemann-Pick disease, type C2	2.601	1.04E-03
208177	Phldb2	pleckstrin homology-like domain, family B, member 2	2.594	5.09E-05
16531	Kcnma1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1	2.592	6.49E-08
94244	Fkbp6	FK506 binding protein 6, 36kDa	2.592	5.61E-08
329828	Kiaa1161	KIAA1161	2.592	2.63E-05
26373	Clcn7	chloride channel 7	2.588	2.85E-09
74202	Fblim1	filamin binding LIM protein 1	2.588	1.05E-03
107569	Nt5C3	5'-nucleotidase, cytosolic III	2.586	1.29E-07
76429	Lhpp	phospholysine phosphohistidine inorganic pyrophosphate phosphatase	2.542	2.50E-04
98999	Znfx1	zinc finger, NFX1-type containing 1	2.535	4.14E-05
12010	B2M	beta-2-microglobulin	2.532	2.93E-06
104462	Au014795	expressed sequence AU014795	2.511	1.11E-07
433375	Creg1	cellular repressor of E1A-stimulated genes 1	2.493	1.27E-07
12301	Cacybp	calcyclin binding protein	2.481	8.36E-07
11504	Adamts1	ADAM metallopeptidase with thrombospondin type 1 motif, 1	2.476	1.41E-03
19240	Tmsb10	thymosin beta 10	2.469	8.97E-04
65973	Asph	aspartate beta-hydroxylase	2.464	5.59E-04
218236	Fam120A	family with sequence similarity 120A	2.461	1.30E-07
14828	Hspa5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)	2.452	5.12E-08
109082	Fbxw17	F-box and WD-40 domain protein 17	2.450	2.20E-05
16197	Il7R	interleukin 7 receptor	2.442	2.18E-04
15213	Hey1	hairy/enhancer-of-split related with YRPW motif 1	2.439	1.05E-05
22166	Txn	thioredoxin	2.425	5.96E-06
17988	Ndrp1	N-myc downstream regulated 1	2.423	2.37E-05
12167	Bmpr1B	bone morphogenetic protein receptor, type IB	2.413	7.91E-06
68140	Tigd2	tigger transposable element derived 2	2.387	1.34E-04
11576	Afp	alpha-fetoprotein	2.378	4.27E-03
71305	Sgms2	sphingomyelin synthase 2	2.378	6.42E-05
218506	Mrps27	mitochondrial ribosomal protein S27	2.370	1.05E-06
17355	Aff1	AF4/FMR2 family, member 1	2.360	4.91E-04
13014	Cstb	cystatin B (stefin B)	2.354	6.26E-08
16157	Il11Ra	interleukin 11 receptor, alpha	2.341	2.35E-07
12927	Bcar1	breast cancer anti-estrogen resistance 1	2.338	1.17E-04
74735	Trim14	tripartite motif-containing 14	2.338	1.42E-04
22413	Wnt2	wingless-type MMTV integration site family member 2	2.336	2.36E-07
18798	Plcb4	phospholipase C, beta 4	2.331	6.24E-08
22040	Trex1	three prime repair exonuclease 1	2.329	1.12E-02
18740	Pitx1	paired-like homeodomain 1	2.323	9.59E-09
11603	Agrn	agrin	2.318	1.66E-04
14972	Hla-C	major histocompatibility complex, class I, C	2.317	1.74E-05
73061	3110007F17Rik	RIKEN cDNA 3110007F17 gene	2.312	3.06E-04
15371	Hmx1	H6 family homeobox 1	2.301	2.82E-05
16367	Irs1	insulin receptor substrate 1	2.294	6.13E-09
11958	Atp5I	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit E	2.291	1.54E-07
207181	Rbms3	RNA binding motif, single stranded interacting protein 3	2.274	4.20E-04
16004	Igf2R	insulin-like growth factor 2 receptor	2.266	4.70E-03
54219	Cd320	CD320 molecule	2.266	1.41E-05
59027	Nampt	nicotinamide phosphoribosyltransferase	2.266	3.61E-05
243548	Prickle2	prickle homolog 2 (Drosophila)	2.250	1.64E-05
14387	Gaa	glucosidase, alpha; acid	2.247	4.25E-05
14784	Grb2	growth factor receptor-bound protein 2	2.247	2.45E-04
56209	Ggt1	gamma-glutamyltransferase 1	2.245	2.19E-07
20847	Stat2	signal transducer and activator of transcription 2, 113kDa	2.244	3.24E-06
20249	Scd	stearoyl-CoA desaturase (delta-9-desaturase)	2.242	3.47E-03
231832	Tmem184A	transmembrane protein 184A	2.242	1.09E-06
56738	Mocs1	molybdenum cofactor synthesis 1	2.233	2.88E-07
71720	Osbpl3	oxysterol binding protein-like 3	2.233	1.88E-06
72039	Mccc1	methylcrotonoyl-CoA carboxylase 1 (alpha)	2.231	2.05E-08
109032	Sp110	SP110 nuclear body protein	2.227	1.16E-03
19213	Ptf1A	pancreas specific transcription factor, 1a	2.216	3.07E-04
14314	Fstl1	follicle-stimulating-like 1	2.215	2.62E-03
230866	Kiaa0090	KIAA0090	2.213	6.74E-04

52840	Dbdd2	dysbindin (dystrobrevin binding protein 1) domain containing 2	2.202	1.23E-02
19662	Rbp4	retinol binding protein 4, plasma	2.198	5.38E-05
73822	C19Orf28	chromosome 19 open reading frame 28	2.198	5.66E-05
13047	Cux1	cut-like homeobox 1	2.196	1.12E-03
19223	Ptgis	prostaglandin I2 (prostacyclin) synthase	2.193	3.77E-06
20843	Stag2	stromal antigen 2	2.184	6.05E-03
76820	Fam49A	family with sequence similarity 49, member A	2.176	2.67E-04
19672	Rcn1	reticulocalbin 1, EF-hand calcium binding domain	2.166	1.29E-04
14085	Fah	fumarylacetoacetate hydrolase (fumarylacetoacetase)	2.148	5.68E-09
17436	Me1	malic enzyme 1, NADP(+)-dependent, cytosolic	2.147	8.53E-03
13197	Gadd45A	growth arrest and DNA-damage-inducible, alpha	2.142	3.60E-05
77065	Ints7	integrator complex subunit 7	2.139	2.81E-06
104804	Ston2	stonin 2	2.129	2.85E-03
13163	Daxx	death-domain associated protein	2.127	9.04E-04
13998	Fgd6	FYVE, RhoGEF and PH domain containing 6	2.123	1.22E-07
14609	Gja1	gap junction protein, alpha 1, 43kDa	2.114	9.90E-05
114643	Oas1C	2'-5' oligoadenylate synthetase 1C	2.110	1.31E-06
140488	Igf2Bp3	insulin-like growth factor 2 mRNA binding protein 3	2.110	7.01E-06
16776	Lama5	laminin, alpha 5	2.108	2.17E-07
30057	Col3A1	collagen, type III, alpha 1	2.104	5.34E-07
71506	8430436O14Rik	RIKEN cDNA 8430436O14 gene	2.101	2.31E-05
98823	Aa763515	expressed sequence AA763515	2.101	1.42E-08
11790	Speg	SPEG complex locus	2.099	2.27E-09
380773	C14Orf156	chromosome 14 open reading frame 156	2.092	1.17E-04
18655	Pgk1	phosphoglycerate kinase 1	2.086	7.19E-03
78651	Lsm6	LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae)	2.085	1.31E-02
17295	Met	met proto-oncogene (hepatocyte growth factor receptor)	2.083	1.13E-04
70497	Arhgap17	Rho GTPase activating protein 17	2.081	4.48E-03
13244	Degs1	degenerative spermatocyte homolog 1, lipid desaturase (Drosophila)	2.079	9.52E-05
19009	Pou6F1	POU class 6 homeobox 1	2.078	7.96E-03
16179	Irak1	interleukin-1 receptor-associated kinase 1	2.072	3.06E-06
107702	Rnh1	ribonuclease/angiogenin inhibitor 1	2.065	5.00E-03
18091	Nkx2-5	NK2 transcription factor related, locus 5 (Drosophila)	2.058	8.82E-04
13800	Enah	enabled homolog (Drosophila)	2.056	3.86E-06
12017	Bag1	BCL2-associated athanogene	2.055	2.43E-06
218624	Il31Ra	interleukin 31 receptor A	2.049	1.64E-03
100705	Acacb	acetyl-CoA carboxylase beta	2.043	6.17E-05
218820	Znf503	zinc finger protein 503	2.043	3.80E-05
76483	Lmf1	lipase maturation factor 1	2.042	5.90E-04
14873	Gsto1	glutathione S-transferase omega 1	2.039	1.48E-04
13601	Ecm1	extracellular matrix protein 1	2.034	4.89E-03
244144	Usp35	ubiquitin specific peptidase 35	2.029	3.30E-02
170743	Tlr7	toll-like receptor 7	2.028	5.03E-03
56045	Cyp1A2	cytochrome P450, family 1, subfamily A, polypeptide 2	2.027	4.14E-03
15277	Hk2	hexokinase 2	2.022	3.91E-05
55991	Cox5B	cytochrome c oxidase subunit Vb	2.021	3.87E-08
101142	Itfg2	integrin alpha FG-GAP repeat containing 2	2.020	1.01E-07
68468	Ly6G6C	lymphocyte antigen 6 complex, locus G6C	2.011	7.01E-07
224860	Plcl2	phospholipase C-like 2	2.006	1.98E-04
108116	Slco3A1	solute carrier organic anion transporter family, member 3A1	2.001	1.04E-04
233529	Kctd14	potassium channel tetramerisation domain containing 14	2.001	1.40E-05
22287	Scgb1A1	secretoglobin, family 1A, member 1 (uteroglobin)	2.000	2.30E-05
56615	Kng1	kininogen 1	1.994	4.69E-04
211286	Cln5	ceroid-lipofuscinosis, neuronal 5	1.993	3.79E-03
13476	Reep5	receptor accessory protein 5	1.988	2.33E-05
17769	Mthfr	methylenetetrahydrofolate reductase (NAD(P)H)	1.974	1.08E-03
14061	F2	coagulation factor II (thrombin)	1.972	8.58E-06
330450	Far2	fatty acyl CoA reductase 2	1.971	7.39E-06
12212	Chic1	cysteine-rich hydrophobic domain 1	1.967	5.20E-03
108897	Aif1L	allograft inflammatory factor 1-like	1.966	2.80E-05
18563	Pc	pyruvate carboxylase	1.964	1.89E-03
210622	Pamr1	peptidase domain containing associated with muscle regeneration 1	1.960	9.75E-07
238076	Kcns3	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3	1.960	5.34E-03
67460	Decr1	2,4-dienoyl CoA reductase 1, mitochondrial	1.959	3.38E-06
67684	Luc7L3	LUC7-like 3 (S. cerevisiae)	1.957	6.27E-03

192197	Ceacam1	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	1.957	5.53E-03
22288	Utrn	utrophin	1.956	3.00E-05
224648	Uhrf1Bp1	UHRF1 binding protein 1	1.956	4.71E-04
74574	Aqpep	laeverin	1.955	3.30E-04
69807	Trim32	tripartite motif-containing 32	1.953	8.17E-06
70223	Nars	asparaginyl-tRNA synthetase	1.953	2.09E-05
68842	Tulp4	tubby like protein 4	1.951	8.11E-05
101258	Gm1965	predicted gene 1965	1.948	6.51E-04
219189	Kiaa0564	KIAA0564	1.941	8.99E-06
243369	Cyb5A	cytochrome b5 type A (microsomal)	1.941	1.99E-06
67103	Ptgr1	prostaglandin reductase 1	1.940	7.31E-04
64164	Tor1Aip2	torsin A interacting protein 2	1.939	7.42E-05
14319	Fth1	ferritin, heavy polypeptide 1	1.937	3.72E-06
66790	Grtp1	growth hormone regulated TBC protein 1	1.937	7.98E-04
107338	Gbf1	golgi brefeldin A resistant guanine nucleotide exchange factor 1	1.933	7.27E-03
20112	Rps6Ka2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	1.931	4.60E-03
195531	Gm13152	predicted gene 13152	1.929	5.94E-06
210573	Tmem151B	transmembrane protein 151B	1.927	3.36E-07
13167	Dbi	diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein)	1.925	1.14E-08
235380	Dmxl2	Dmx-like 2	1.921	2.03E-06
11605	Gla	galactosidase, alpha	1.919	5.09E-05
17387	Mmp14	matrix metalloproteinase 14 (membrane-inserted)	1.919	4.03E-03
12363	Casp4	caspase 4, apoptosis-related cysteine peptidase	1.916	6.40E-04
14870	Gstp1	glutathione S-transferase pi 1	1.915	8.50E-03
22195	Ube2L3	ubiquitin-conjugating enzyme E2L 3	1.915	2.72E-05
214899	Kdm5A	lysine (K)-specific demethylase 5A	1.913	1.40E-05
319974	Auts2	autism susceptibility candidate 2	1.913	6.21E-06
70548	5730437C12Rik	RIKEN cDNA 5730437C12 gene	1.912	5.18E-04
11746	Anxa4	annexin A4	1.911	7.43E-04
23950	Dnajb6	DnaJ (Hsp40) homolog, subfamily B, member 6	1.911	5.10E-05
81910	Rrbp1	ribosome binding protein 1 homolog 180kDa (dog)	1.909	1.38E-08
212153	Kiaa1407	KIAA1407	1.905	5.02E-03
13368	Dffb	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)	1.904	3.12E-04
16668	Krt18	keratin 18	1.904	5.49E-06
67166	Arl8B	ADP-ribosylation factor-like 8B	1.900	4.01E-03
66148	Dnajc15	DnaJ (Hsp40) homolog, subfamily C, member 15	1.897	2.38E-07
20649	Sntb1	syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic component 1)	1.896	3.96E-03
19715	Loc388559	similar to hCG1778601	1.895	6.69E-06
16001	Igf1R	insulin-like growth factor 1 receptor	1.893	7.50E-04
69217	Plekha4	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4	1.891	1.35E-04
213783	Plekhg1	pleckstrin homology domain containing, family G (with RhoGef domain) member 1	1.888	4.93E-05
56857	Psbpc2	prostatic steroid-binding protein C2	1.886	1.24E-05
80721	Slc19A3	solute carrier family 19, member 3	1.886	9.71E-03
101568	Vrk3	vaccinia related kinase 3	1.884	1.98E-03
66218	Ndufb9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	1.883	9.50E-06
229277	Stoml3	stomatin (EPB72)-like 3	1.882	2.92E-05
14000	Rnasen	ribonuclease type III, nuclear	1.879	4.67E-02
106583	Rbm16	RNA binding motif protein 16	1.875	1.36E-03
321007	Serac1	serine active site containing 1	1.875	9.78E-08
20610	Sumo3	SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae)	1.874	1.24E-04
12166	Bmpr1A	bone morphogenetic protein receptor, type IA	1.873	1.92E-06
69104	March5	membrane-associated ring finger (C3HC4) 5	1.865	2.02E-04
18746	Pkm2	pyruvate kinase, muscle	1.863	2.14E-04
66916	Ndufb7	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa	1.862	5.97E-07
74134	Cyp2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	1.862	2.07E-02
15171	Hcrt	hypocretin (orexin) neuropeptide precursor	1.861	8.88E-06
68157	6720475J19Rik	RIKEN cDNA 6720475J19 gene	1.861	3.10E-05
19933	Rpl21	ribosomal protein L21	1.858	3.43E-03
66282	C4Orf43	chromosome 4 open reading frame 43	1.856	5.75E-05
71973	Rbpms2	RNA binding protein with multiple splicing 2	1.856	2.02E-04
20322	Sord	sorbitol dehydrogenase	1.853	4.95E-08
72580	Zufsp	zinc finger with UFM1-specific peptidase domain	1.853	1.36E-03

22694	Zfp35	zinc finger protein 35	1.852	5.66E-05
75564	Rsph9	radial spoke head 9 homolog (Chlamydomonas)	1.852	2.71E-03
75934	4930579D07Rik	RIKEN cDNA 4930579D07 gene	1.852	3.58E-05
16952	Anxa1	annexin A1	1.849	5.42E-03
17933	Myt1L	myelin transcription factor 1-like	1.839	6.08E-04
20614	Snap25	synaptosomal-associated protein, 25kDa	1.838	9.21E-05
71617	C10Orf76	chromosome 10 open reading frame 76	1.837	1.15E-02
54189	Htr1F	5-hydroxytryptamine (serotonin) receptor 1F	1.835	3.73E-06
15258	Hipk2	homeodomain interacting protein kinase 2	1.833	1.83E-04
269529	Fbxo10	F-box protein 10	1.830	2.25E-04
16006	Igfbp1	insulin-like growth factor binding protein 1	1.826	1.24E-07
76137	Ccdc90A	coiled-coil domain containing 90A	1.826	2.81E-06
20410	Sorbs3	sorbin and SH3 domain containing 3	1.824	5.18E-03
67041	Oxct1	3-oxoacid CoA transferase 1	1.823	3.79E-05
21355	Tap2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	1.819	1.42E-04
19718	Rfc2	replication factor C (activator 1) 2, 40kDa	1.816	9.71E-07
27660	C22Orf23	chromosome 22 open reading frame 23	1.816	8.50E-04
12315	Calm3	calmodulin 3 (phosphorylase kinase, delta)	1.815	2.25E-05
20969	Sdc1	syndecan 1	1.814	8.05E-06
27418	Mkln1	muskelin 1, intracellular mediator containing kelch motifs	1.813	1.11E-02
110595	Timp4	TIMP metalloproteinase inhibitor 4	1.813	8.76E-04
106143	Cggbp1	CGG triplet repeat binding protein 1	1.811	9.74E-08
193670	Rnf185	ring finger protein 185	1.811	1.69E-04
11947	Atp5B	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, beta polypeptide	1.810	2.84E-05
238871	Pde4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	1.810	1.14E-06
72852	Mblac2	metallo-beta-lactamase domain containing 2	1.809	1.82E-02
16000	Igf1	insulin-like growth factor 1 (somatomedin C)	1.806	3.50E-03
14172	Fgf18	fibroblast growth factor 18	1.805	5.40E-03
83560	Tex14	testis expressed 14	1.804	2.41E-07
13345	Twist2	twist homolog 2 (Drosophila)	1.800	1.01E-05
74287	Kcmf1	potassium channel modulatory factor 1	1.798	2.92E-02
108124	Napa	N-ethylmaleimide-sensitive factor attachment protein, alpha	1.798	2.15E-05
57423	Nkx2-1	NK2 homeobox 1	1.795	1.94E-04
94094	Trim34	tripartite motif-containing 34	1.795	1.33E-04
21821	Ift88	intraflagellar transport 88 homolog (Chlamydomonas)	1.793	9.94E-05
19752	Rnase1	ribonuclease, RNase A family, 1 (pancreatic)	1.791	3.59E-03
54120	Snai1	snail homolog 1 (Drosophila)	1.791	4.86E-02
14923	Guk1	guanylate kinase 1	1.788	2.10E-03
70381	Tecpr1	tectonin beta-propeller repeat containing 1	1.788	2.79E-02
67526	Atg12	ATG12 autophagy related 12 homolog (S. cerevisiae)	1.786	1.41E-05
19049	Ppp1R1B	protein phosphatase 1, regulatory (inhibitor) subunit 1B	1.785	8.58E-04
14385	Slc37A4	solute carrier family 37 (glucose-6-phosphate transporter), member 4	1.783	3.65E-05
18162	Npr3	natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C)	1.780	1.18E-05
54138	Sox10	SRY (sex determining region Y)-box 10	1.780	1.75E-06
116838	Rims2	regulating synaptic membrane exocytosis 2	1.780	2.11E-05
11766	Ap1G2	adaptor-related protein complex 1, gamma 2 subunit	1.779	2.30E-03
14240	Foxb2	forkhead box B2	1.778	4.85E-05
54683	Prdx5	peroxiredoxin 5	1.776	3.88E-04
70861	4921521F21Rik	RIKEN cDNA 4921521F21 gene	1.775	4.62E-05
77627	Efcab6	EF-hand calcium binding domain 6	1.775	1.16E-05
11363	Acadl	acyl-CoA dehydrogenase, long chain	1.774	9.48E-08
52700	Igfbp1	insulin-like growth factor binding protein 1	1.774	1.55E-05
20020	Polr2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	1.772	9.47E-04
12908	Crat	carnitine O-acetyltransferase	1.768	1.17E-02
23922	Rn7Sk	RNA, 7SK small nuclear	1.763	1.02E-03
74008	Arsg	arylsulfatase G	1.762	7.06E-06
16885	Limk1	LIM domain kinase 1	1.759	1.39E-03
71665	Fuca1	fucosidase, alpha-L- 1, tissue	1.759	1.31E-03
18631	Pex11A	peroxisomal biogenesis factor 11 alpha	1.757	2.97E-06
57296	Serpina3C	serine (or cysteine) peptidase inhibitor, clade A, member 3C	1.756	2.79E-04
545156	Kalrn	kalirin, RhoGEF kinase	1.753	3.98E-07
320129	Adrbk2	adrenergic, beta, receptor kinase 2	1.752	6.01E-03
73067	Tmem192	transmembrane protein 192	1.751	4.71E-05
269116	Nfasc	neurofascin homolog (chicken)	1.750	2.52E-06
70484	Slc35D2	solute carrier family 35, member D2	1.748	9.74E-06
212974	Ath1	ATH1, acid trehalase-like 1 (yeast)	1.748	8.92E-05

21339	Taf1A	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa	1.747	5.64E-04
12365	Casp14	caspase 14, apoptosis-related cysteine peptidase	1.746	5.25E-05
19719	Rfng	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	1.746	4.32E-03
23943	Esyt1	extended synaptotagmin-like protein 1	1.746	7.60E-04
51897	Kiaa0652	KIAA0652	1.746	3.42E-03
328977	Znf532	zinc finger protein 532	1.741	5.27E-07
13499	Drr1	developmentally regulated repeat element-containing transcript 1	1.740	1.81E-05
69028	Mitd1	MIT, microtubule interacting and transport, domain containing 1	1.740	3.90E-05
17681	Msc	musculin	1.739	1.95E-06
73674	Wdr75	WD repeat domain 75	1.739	2.10E-05
67153	Rnaseh2B	ribonuclease H2, subunit B	1.737	8.32E-04
228790	Asx1	additional sex combs like 1 (Drosophila)	1.735	6.68E-05
104174	Gldc	glycine dehydrogenase (decarboxylating)	1.734	2.01E-04
338367	Myo1D	myosin ID	1.734	3.00E-05
13885	Esd	esterase D	1.731	4.55E-03
101757	Au020206	expressed sequence AU020206	1.731	4.20E-03
212999	Tnpo2	transportin 2	1.731	2.66E-03
320038	Dlx6Os1	Dlx6 opposite strand transcript 1	1.731	1.29E-03
13123	Cyp7B1	cytochrome P450, family 7, subfamily B, polypeptide 1	1.730	5.28E-04
66223	Mrpl35	mitochondrial ribosomal protein L35	1.730	4.58E-05
68774	Ms4A6D	membrane-spanning 4-domains, subfamily A, member 6D	1.727	4.76E-02
74776	Ppa2	pyrophosphatase (inorganic) 2	1.724	1.65E-05
26362	Axl	AXL receptor tyrosine kinase	1.723	6.35E-06
12566	Cdk2	cyclin-dependent kinase 2	1.722	1.52E-02
18027	Nfia	nuclear factor I/A	1.721	1.72E-05
407785	Ndufs6	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	1.721	7.61E-07
114641	Rpl31	ribosomal protein L31	1.720	5.30E-04
399510	Map4K5	mitogen-activated protein kinase kinase kinase kinase 5	1.714	1.87E-02
110911	Cds2	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2	1.710	2.85E-03
14866	Gstm3	glutathione S-transferase mu 3 (brain)	1.708	3.36E-05
381511	Pdp1	pyruvate dehydrogenase phosphatase catalytic subunit 1	1.708	7.10E-04
52846	C2Orf29	chromosome 2 open reading frame 29	1.706	3.53E-05
66915	Myeov2	myeloma overexpressed 2	1.706	3.17E-06
666311	Znf498	zinc finger protein 498	1.706	3.20E-03
20912	Stxbp3	syntaxin binding protein 3	1.705	1.16E-02
52615	Suz12	suppressor of zeste 12 homolog (Drosophila)	1.704	9.08E-07
22791	Dnajc2	DnaJ (Hsp40) homolog, subfamily C, member 2	1.702	6.16E-07
72459	Htatsf1	HIV-1 Tat specific factor 1	1.702	4.23E-04
223921	Aaas	achalasia, adrenocortical insufficiency, alacrimia (Allgrove, triple-A)	1.701	1.79E-04
16196	Il7	interleukin 7	1.699	1.14E-03
99498	Aa419673	expressed sequence AA419673	1.699	4.77E-02
52132	Igkc	immunoglobulin kappa constant	1.698	1.71E-02
75605	Kdm5B	lysine (K)-specific demethylase 5B	1.698	5.68E-03
229285	Spg20	spastic paraplegia 20 (Troyer syndrome)	1.697	2.51E-04
54447	Asah2	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2	1.693	1.59E-03
544963	Iqgap2	IQ motif containing GTPase activating protein 2	1.693	9.98E-04
13664	Eif1Ay	eukaryotic translation initiation factor 1A, Y-linked	1.691	7.32E-03
67306	Fam164A	family with sequence similarity 164, member A	1.691	3.94E-04
68870	C9Orf98	chromosome 9 open reading frame 98	1.691	4.40E-03
16456	F11R	F11 receptor	1.690	8.20E-03
65972	Ifi30	interferon, gamma-inducible protein 30	1.689	9.93E-04
83768	Dpp7	dipeptidyl-peptidase 7	1.689	1.90E-03
106522	Pkdcc	protein kinase domain containing, cytoplasmic homolog (mouse)	1.688	5.78E-03
100535	Oas1D	2'-5' oligoadenylate synthetase 1D	1.686	8.97E-04
52206	Gm1420	predicted gene 1420	1.684	2.30E-04
13360	Dhcr7	7-dehydrocholesterol reductase	1.683	1.29E-02
14038	Expi	extracellular proteinase inhibitor	1.683	4.59E-03
98715	Soat1	sterol O-acyltransferase 1	1.683	4.49E-03
16155	Il10Rb	interleukin 10 receptor, beta	1.682	2.06E-04
53417	Hif3A	hypoxia inducible factor 3, alpha subunit	1.682	3.93E-03
64945	Cldn12	claudin 12	1.681	2.22E-03
209630	Frmd4A	FERM domain containing 4A	1.681	1.58E-05

14732	Gpam	glycerol-3-phosphate acyltransferase, mitochondrial	1.679	3.08E-04
72747	Ttc39C	tetratricopeptide repeat domain 39C	1.678	1.21E-05
18168	Npy5R	neuropeptide Y receptor Y5	1.677	1.67E-02
22337	Vdr	vitamin D (1,25- dihydroxyvitamin D3) receptor	1.677	5.17E-03
433256	Acsl5	acyl-CoA synthetase long-chain family member 5	1.677	8.25E-04
73122	Tgfbra1	transforming growth factor, beta receptor associated protein 1	1.675	7.96E-03
170749	Mtmr4	myotubularin related protein 4	1.675	3.86E-06
68539	Tmem109	transmembrane protein 109	1.672	1.52E-04
12038	Bche	butyrylcholinesterase	1.670	1.45E-03
69713	Pin4	protein (peptidylprolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin)	1.670	3.68E-03
67528	Nudt7	nudix (nucleoside diphosphate linked moiety X)-type motif 7	1.669	9.92E-04
214048	Larp1B	La ribonucleoprotein domain family, member 1B	1.669	4.81E-06
50754	Fbxw7	F-box and WD repeat domain containing 7	1.668	1.95E-05
52466	Slc46A1	solute carrier family 46 (folate transporter), member 1	1.667	3.98E-03
217946	Cdca7L	cell division cycle associated 7-like	1.667	3.47E-02
20681	Sox8	SRY (sex determining region Y)-box 8	1.666	6.25E-04
24109	Ubl3	ubiquitin-like 3	1.666	3.83E-03
107376	E330013P04Rik	RIKEN cDNA E330013P04 gene	1.666	2.81E-03
68565	Mrps18A	mitochondrial ribosomal protein S18A	1.663	5.47E-06
71684	Rbm43	RNA binding motif protein 43	1.663	1.34E-05
13209	Ddx6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6	1.662	3.52E-04
382090	Kiaa1009	KIAA1009	1.662	8.21E-04
319757	Smo	smoothened homolog (Drosophila)	1.661	1.19E-05
78920	Dlst	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	1.656	2.60E-02
75051	C2Orf77	chromosome 2 open reading frame 77	1.654	5.77E-04
22682	Zfand5	zinc finger, AN1-type domain 5	1.653	7.60E-03
66618	Snrnp27	small nuclear ribonucleoprotein 27kDa (U4/U6.U5)	1.653	7.51E-05
13169	Dbnl	drebrin-like	1.648	4.50E-04
66945	Sdha	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	1.647	7.97E-05
268451	Rab11Fip4	RAB11 family interacting protein 4 (class II)	1.647	1.27E-02
107734	Mrpl30	mitochondrial ribosomal protein L30	1.646	8.75E-05
14359	Fxr1	fragile X mental retardation, autosomal homolog 1	1.645	1.22E-02
71704	Arhgef3	Rho guanine nucleotide exchange factor (GEF) 3	1.644	4.93E-02
16783	Lamp1	lysosomal-associated membrane protein 1	1.643	7.41E-03
26414	Mapk10	mitogen-activated protein kinase 10	1.643	1.29E-04
20684	Sp100	SP100 nuclear antigen	1.641	1.30E-05
15424	Hoxc5	homeobox C5	1.640	6.24E-05
19023	Ppef2	protein phosphatase, EF-hand calcium binding domain 2	1.638	2.25E-05
66414	Ndufa12	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12	1.638	5.23E-05
231642	Alkbh2	alkB, alkylation repair homolog 2 (E. coli)	1.638	1.43E-03
16398	Itga2	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	1.636	2.37E-03
69692	Hddc2	HD domain containing 2	1.635	3.07E-04
17341	Bhlha15	basic helix-loop-helix family, member a15	1.634	1.37E-02
74143	Opa1	optic atrophy 1 (autosomal dominant)	1.631	2.46E-04
12238	CommD3	COMM domain containing 3	1.630	2.35E-04
66046	Ndufb5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	1.628	1.19E-05
67671	Rpl38	ribosomal protein L38	1.626	2.40E-03
16499	Kcnab3	potassium voltage-gated channel, shaker-related subfamily, beta member 3	1.625	2.64E-05
56632	Ascl2	achaete-scute complex homolog 2 (Drosophila)	1.625	6.99E-03
102103	Mtus1	microtubule associated tumor suppressor 1	1.625	7.76E-03
230234	C9Orf6	chromosome 9 open reading frame 6	1.625	1.75E-04
104015	Synj1	synaptojanin 1	1.623	1.55E-02
228033	Atp5G3	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C3 (subunit 9)	1.622	2.92E-02
244721	Znf846	zinc finger protein 846	1.622	1.65E-02
68591	Mocos	molybdenum cofactor sulfurase	1.620	8.81E-07
114606	Tle6	transducin-like enhancer of split 6 (E(sp1) homolog, Drosophila)	1.620	1.60E-02
76551	Ccdc6	coiled-coil domain containing 6	1.618	3.78E-03
64138	Ctsz	cathepsin Z	1.617	1.08E-05
18016	Nf2	neurofibromin 2 (merlin)	1.616	7.10E-05
192193	Hbb-Ar	hemoglobin, activating region	1.616	3.08E-03
235580	Loc344875	collagen, type VI, alpha 4 pseudogene 1	1.616	4.23E-03

11433	Acp5	acid phosphatase 5, tartrate resistant	1.614	1.97E-04
12552	Cdh11	cadherin 11, type 2, OB-cadherin (osteoblast)	1.612	4.59E-04
74616	Scrn3	secernin 3	1.612	8.81E-03
13026	Pcyt1A	phosphate cytidyltransferase 1, choline, alpha	1.611	7.89E-05
54369	Nme6	non-metastatic cells 6, protein expressed in (nucleoside-diphosphate kinase)	1.611	2.78E-03
208266	Dot1L	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)	1.611	2.49E-02
226089	Kiaa1432	KIAA1432	1.611	3.18E-03
230648	Kiaa0494	KIAA0494	1.611	6.44E-05
234729	Vac14	Vac14 homolog (<i>S. cerevisiae</i>)	1.611	2.79E-03
67615	Ube2R2	ubiquitin-conjugating enzyme E2R 2	1.610	4.66E-03
26429	Orc5L	origin recognition complex, subunit 5-like (yeast)	1.607	2.80E-03
68212	Tmbim4	transmembrane BAX inhibitor motif containing 4	1.607	1.20E-03
14758	Gpm6B	glycoprotein M6B	1.605	1.24E-02
18534	Pck1	phosphoenolpyruvate carboxykinase 1 (soluble)	1.605	2.18E-03
223739	C22Orf9	chromosome 22 open reading frame 9	1.604	3.24E-04
56222	Cited4	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4	1.602	2.40E-02
69549	C1Orf53	chromosome 1 open reading frame 53	1.601	2.49E-04
69834	Rab43	RAB43, member RAS oncogene family	1.600	7.59E-06
71701	Pnpt1	polyribonucleotide nucleotidyltransferase 1	1.600	2.95E-05
105504	Exoc5	exocyst complex component 5	1.600	8.37E-03
140810	Ttbk2	tau tubulin kinase 2	1.600	4.35E-03
13836	Epha2	EPH receptor A2	1.598	3.73E-05
20088	Rps24	ribosomal protein S24	1.598	1.70E-03
98314	D2Hgdh	D-2-hydroxyglutarate dehydrogenase	1.598	1.71E-03
21835	Thrsp	thyroid hormone responsive (SPOT14 homolog, rat)	1.597	4.57E-05
59046	Arpp19	cAMP-regulated phosphoprotein, 19kDa	1.594	6.26E-06
68836	Mrpl52	mitochondrial ribosomal protein L52	1.594	5.64E-05
102242	Au024180	expressed sequence AU024180	1.594	3.71E-04
232853	5730403M16Rik	RIKEN cDNA 5730403M16 gene	1.594	2.32E-03
17864	Mybl1	v-myb myeloblastosis viral oncogene homolog (avian)-like 1	1.593	1.69E-03
64292	Ptges	prostaglandin E synthase	1.593	3.74E-04
66477	Loc100290142	up-regulated during skeletal muscle growth 5 homolog (mouse) pseudogene 1	1.592	2.93E-04
105638	Dph3	DPH3, KTI11 homolog (<i>S. cerevisiae</i>)	1.592	1.59E-06
14897	Trip12	thyroid hormone receptor interactor 12	1.591	4.86E-03
216565	Ehbp1	EH domain binding protein 1	1.591	8.18E-03
622175	E430024I08Rik	RIKEN cDNA E430024I08 gene	1.591	1.39E-02
11606	Agt	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	1.590	1.05E-05
12896	Cpt2	carnitine palmitoyltransferase 2	1.588	5.19E-04
242202	Pde5A	phosphodiesterase 5A, cGMP-specific	1.587	2.72E-03
19159	Cyth3	cytohesin 3	1.586	1.39E-02
78610	Uvrag	UV radiation resistance associated gene	1.586	1.11E-02
68018	Col4A3Bp	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	1.584	5.13E-04
106585	Ankrd12	ankyrin repeat domain 12	1.584	5.24E-05
11846	Arg1	arginase, liver	1.581	2.07E-03
16186	Il2Rg	interleukin 2 receptor, gamma (severe combined immunodeficiency)	1.581	1.53E-03
67003	Uqcrc2	ubiquinol-cytochrome c reductase core protein II	1.581	6.40E-06
58249	Fibp	fibroblast growth factor (acidic) intracellular binding protein	1.580	7.69E-03
270166	Clpx	ClpX caseinolytic peptidase X homolog (<i>E. coli</i>)	1.580	9.80E-05
12159	Bmp4	bone morphogenetic protein 4	1.579	5.28E-05
104880	Vash1	vasohibin 1	1.579	2.26E-02
13214	Defb1	defensin, beta 1	1.578	1.42E-03
14718	Got1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	1.578	1.24E-03
24075	Taf10	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 30kDa	1.575	3.50E-02
27999	Fam3C	family with sequence similarity 3, member C	1.575	4.33E-04
56321	Gh1	growth hormone 1	1.575	6.73E-04
211484	Tsga10	testis specific, 10	1.575	8.55E-05
230895	Vps13D	vacuolar protein sorting 13 homolog D (<i>S. cerevisiae</i>)	1.575	2.96E-02
56032	Nprl2	nitrogen permease regulator-like 2 (<i>S. cerevisiae</i>)	1.574	1.33E-02
73443	1700052I12Rik	RIKEN cDNA 1700052I12 gene	1.574	1.65E-04
78353	2500002B13Rik	RIKEN cDNA 2500002B13 gene	1.572	1.15E-05
230597	Zfyve9	zinc finger, FYVE domain containing 9	1.571	3.22E-03
11428	Aco1	aconitase 1, soluble	1.570	4.52E-04
104082	Wdr7	WD repeat domain 7	1.569	8.28E-05

17449	Mdh1	malate dehydrogenase 1, NAD (soluble)	1.568	3.85E-06
12557	Cdh17	cadherin 17, LI cadherin (liver-intestine)	1.567	4.66E-03
16439	Itp2	inositol 1,4,5-triphosphate receptor, type 2	1.567	4.33E-04
67487	Dhx40	DEAH (Asp-Glu-Ala-His) box polypeptide 40	1.567	4.09E-02
71240	Osbpl7	oxysterol binding protein-like 7	1.567	6.19E-04
100317	Kiaa0319L	KIAA0319-like	1.567	5.44E-04
100993	Aw549542	expressed sequence AW549542	1.567	1.20E-05
233813	Vwa3A	von Willebrand factor A domain containing 3A	1.567	9.51E-06
216134	Pdxk	pyridoxal (pyridoxine, vitamin B6) kinase	1.564	4.87E-03
229937	Znhit6	zinc finger, HIT type 6	1.564	1.55E-04
319939	Tns3	tensin 3	1.564	4.87E-04
69920	Polr2I	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	1.563	4.64E-02
229487	Pet112L	PET112-like (yeast)	1.563	1.59E-04
20597	Smpd1	sphingomyelin phosphodiesterase 1, acid lysosomal	1.562	2.02E-03
93747	Echs1	enoyl CoA hydratase, short chain, 1, mitochondrial	1.562	5.58E-07
232196	C2Orf42	chromosome 2 open reading frame 42	1.562	1.59E-02
13122	Cyp7A1	cytochrome P450, family 7, subfamily A, polypeptide 1	1.560	7.81E-03
17293	Mesp2	mesoderm posterior 2 homolog (mouse)	1.560	2.78E-03
20962	Sycp3	synaptonemal complex protein 3	1.560	3.44E-03
56438	Rbx1	ring-box 1	1.560	7.06E-04
72821	Scn2B	sodium channel, voltage-gated, type II, beta	1.560	4.96E-04
104444	Rexo2	REX2, RNA exonuclease 2 homolog (S. cerevisiae)	1.560	1.58E-03
330267	Thsd7A	thrombospondin, type I, domain containing 7A	1.559	9.24E-04
382793	Mtx3	metaxin 3	1.559	1.27E-02
18293	Ogdh	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	1.557	2.30E-04
27354	Nbn	nibrin	1.556	3.44E-05
11429	Aco2	aconitase 2, mitochondrial	1.554	6.13E-04
218793	Ube2E2	ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast)	1.554	1.74E-03
230075	Ndufb6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa	1.554	9.99E-05
22158	Tulp3	tubby like protein 3	1.551	1.03E-04
217331	Unk	unkempt homolog (Drosophila)	1.551	1.71E-03
74185	Gbe1	glucan (1,4-alpha-), branching enzyme 1	1.549	1.57E-02
79201	Tnfrsf23	tumor necrosis factor receptor superfamily, member 23	1.549	1.01E-02
235611	Plxnb1	plexin B1	1.549	2.48E-04
17000	Ltbr	lymphotoxin beta receptor (TNFR superfamily, member 3)	1.548	1.00E-02
242509	Bnc2	basonuclin 2	1.548	6.79E-05
16691	Krt8	keratin 8	1.546	1.34E-04
66885	Acadsb	acyl-CoA dehydrogenase, short/branched chain	1.546	6.88E-04
111175	Pecr	peroxisomal trans-2-enoyl-CoA reductase	1.545	5.33E-06
22029	Traf1	TNF receptor-associated factor 1	1.544	4.87E-05
94064	Mrpl27	mitochondrial ribosomal protein L27	1.543	2.33E-05
12387	Ctnnb1	catenin (cadherin-associated protein), beta 1, 88kDa	1.542	1.79E-02
83924	Gpr137B	G protein-coupled receptor 137B	1.542	9.99E-03
26927	Foxl2	forkhead box L2	1.541	2.32E-03
54214	Oas1	2',5'-oligoadenylate synthetase 1, 40/46kDa	1.541	5.45E-03
56430	Clip1	CAP-GLY domain containing linker protein 1	1.540	4.13E-05
56458	Foxo1	forkhead box O1	1.540	6.82E-03
11641	Akap2	A kinase (PRKA) anchor protein 2	1.539	1.90E-04
18222	Numb	numb homolog (Drosophila)	1.539	1.72E-02
19024	Ppfibp2	PTPRF interacting protein, binding protein 2 (liprin beta 2)	1.539	1.30E-02
50765	Cdh1	cadherin 1, type 1, E-cadherin (epithelial)	1.538	7.54E-03
68195	Rnaset2	ribonuclease T2	1.538	4.53E-02
110391	Qdpr	quinoid dihydropteridine reductase	1.538	6.92E-05
11992	Auh	AU RNA binding protein/enoyl-CoA hydratase	1.536	4.97E-03
16876	Lhx9	LIM homeobox 9	1.536	1.11E-02
68497	Kiaa0317	KIAA0317	1.536	6.61E-04
328066	C920021A13	hypothetical protein C920021A13	1.536	8.32E-04
105732	Fam83H	family with sequence similarity 83, member H	1.535	9.73E-03
228071	Sestd1	SEC14 and spectrin domains 1	1.535	4.16E-03
228812	Pigu	phosphatidylinositol glycan anchor biosynthesis, class U	1.535	3.29E-04
19664	Rbpj	recombination signal binding protein for immunoglobulin kappa J region	1.534	1.48E-04
21849	Trim28	tripartite motif-containing 28	1.534	2.67E-02
194225	Gm13103	predicted gene 13103	1.534	6.42E-03
208795	Tmem63A	transmembrane protein 63A	1.534	1.12E-03
20503	Slc16A7	solute carrier family 16, member 7 (monocarboxylic acid transporter 2)	1.533	5.10E-04
20908	Stx3	syntaxin 3	1.532	8.51E-04

103012	6720401G13Rik	RIKEN cDNA 6720401G13 gene	1.532	9.75E-03
210925	Ints9	integrator complex subunit 9	1.532	1.48E-04
71007	C10Orf90	chromosome 10 open reading frame 90	1.530	4.51E-03
20393	Sgk1	serum/glucocorticoid regulated kinase 1	1.529	3.33E-04
66286	Sec11C	SEC11 homolog C (<i>S. cerevisiae</i>)	1.529	4.02E-05
66276	C11Orf48	chromosome 11 open reading frame 48	1.528	2.41E-03
227648	Sec16A	SEC16 homolog A (<i>S. cerevisiae</i>)	1.528	1.05E-03
19325	Rab10	RAB10, member RAS oncogene family	1.527	9.72E-05
268281	Shprh	SNF2 histone linker PHD RING helicase	1.527	2.10E-05
17060	Blnk	B-cell linker	1.525	2.96E-04
69116	Ubr4	ubiquitin protein ligase E3 component n-recognin 4	1.525	9.23E-03
15186	Hdc	histidine decarboxylase	1.524	2.56E-05
69008	Cab39L	calcium binding protein 39-like	1.523	2.05E-06
17909	Myo10	myosin X	1.522	2.11E-02
78330	Ndufv3	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa	1.522	2.18E-02
231874	C7Orf28B	chromosome 7 open reading frame 28B	1.521	1.67E-04
67922	Fam32A	family with sequence similarity 32, member A	1.520	1.03E-02
14607	Gip	gastric inhibitory polypeptide	1.519	5.90E-03
235406	Snx33	sorting nexin 33	1.519	3.05E-02
268656	Sptlc1	serine palmitoyltransferase, long chain base subunit 1	1.519	3.46E-03
56434	Igf1	insulin-like growth factor 1 (somatomedin C)	1.518	3.83E-06
71069	Stox2	storkhead box 2	1.518	3.35E-04
68916	Cdkal1	CDK5 regulatory subunit associated protein 1-like 1	1.517	1.38E-03
67427	Rps20	ribosomal protein S20	1.515	2.49E-03
14081	Acs11	acyl-CoA synthetase long-chain family member 1	1.514	5.84E-04
14083	Ptk2	PTK2 protein tyrosine kinase 2	1.514	1.89E-04
99375	Cul4A	cullin 4A	1.514	2.03E-02
170771	Khdrbs2	KH domain containing, RNA binding, signal transduction associated 2	1.514	3.77E-03
66445	Cyc1	cytochrome c-1	1.513	2.61E-04
16886	Limk2	LIM domain kinase 2	1.512	6.64E-03
18129	Notch2	Notch homolog 2 (<i>Drosophila</i>)	1.512	4.41E-02
22381	Wbp5	WW domain binding protein 5	1.512	7.63E-04
66810	Rbm22	RNA binding motif protein 22	1.510	7.52E-04
66141	Ifitm3	interferon induced transmembrane protein 3 (1-8U)	1.509	5.63E-03
67371	Gtf3C6	general transcription factor IIIC, polypeptide 6, alpha 35kDa	1.509	7.35E-04
226041	Pgm5	phosphoglucomutase 5	1.509	3.21E-03
20926	Supt6H	suppressor of Ty 6 homolog (<i>S. cerevisiae</i>)	1.507	4.62E-02
22601	Yap1	Yes-associated protein 1	1.507	1.05E-02
68342	Ndufb10	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	1.507	2.74E-03
69053	C16Orf72	chromosome 16 open reading frame 72	1.507	8.92E-05
78246	Phf23	PHD finger protein 23	1.507	3.91E-03
116837	Rims1	regulating synaptic membrane exocytosis 1	1.506	2.18E-02
240261	Ccdc112	coiled-coil domain containing 112	1.506	3.21E-04
18176	Nras	neuroblastoma RAS viral (v-ras) oncogene homolog	1.505	4.52E-04
66067	Gtpbp8	GTP-binding protein 8 (putative)	1.505	3.41E-03
13195	Ddc	dopa decarboxylase (aromatic L-amino acid decarboxylase)	1.504	4.59E-03
14712	Gnpat	glyceronephosphate O-acyltransferase	1.504	6.56E-04
50772	Mapk6	mitogen-activated protein kinase 6	1.504	3.71E-03
66725	Lrrk2	leucine-rich repeat kinase 2	1.504	4.77E-05
13544	Dvl3	dishevelled, dsh homolog 3 (<i>Drosophila</i>)	1.503	1.73E-03
22134	Tgoln2	trans-golgi network protein 2	1.503	2.11E-04
59016	Thap11	THAP domain containing 11	1.503	7.19E-03
67391	Fundc2	FUN14 domain containing 2	1.503	1.19E-03
11535	Adm	adrenomedullin	1.502	1.58E-04
16917	Lmx1B	LIM homeobox transcription factor 1, beta	1.502	9.29E-03
56048	Lgals8	lectin, galactoside-binding, soluble, 8	1.502	5.41E-03
229211	Acad9	acyl-CoA dehydrogenase family, member 9	1.502	1.56E-02
20655	Sod1	superoxide dismutase 1, soluble	1.501	5.78E-04
66556	Drap1	DR1-associated protein 1 (negative cofactor 2 alpha)	1.501	2.91E-02
66596	Gtf3A	general transcription factor IIIA	1.501	6.80E-04
207212	Arhgef17	Rho guanine nucleotide exchange factor (GEF) 17	1.501	3.46E-04
68514	Efha1	EF-hand domain family, member A1	1.500	8.32E-05
108857	Ankhd1	ankyrin repeat and KH domain containing 1	1.500	1.22E-02
16777	Lamb1	laminin, beta 1	-1.500	4.42E-03
15081	H3F3C	H3 histone, family 3C	-1.501	3.28E-05
51810	Hnrnpu	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	-1.501	1.20E-02
59026	Huwe1	HECT, UBA and WWE domain containing 1	-1.501	7.12E-04

75705	Eif4B	eukaryotic translation initiation factor 4B	-1.501	1.49E-03
53323	Ube2K	ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	-1.502	3.06E-04
77053	Sun1	Sad1 and UNC84 domain containing 1	-1.503	4.49E-03
224045	Eif2B5	eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa	-1.503	2.05E-03
116848	Cfl1	cofilin 1 (non-muscle)	-1.504	3.87E-03
320615	Dopey1	dopey family member 1	-1.504	5.95E-05
12165	Gdf2	growth differentiation factor 2	-1.505	2.00E-03
13200	Ddost	dolichyl-diphosphooligosaccharide--protein glycosyltransferase	-1.505	6.45E-03
67268	Myl9	myosin, light chain 9, regulatory	-1.506	3.18E-04
68598	Dnajc8	DnaJ (Hsp40) homolog, subfamily C, member 8	-1.506	8.88E-04
14042	Ext1	exostosin 1	-1.507	4.64E-03
11865	Arntl	aryl hydrocarbon receptor nuclear translocator-like	-1.508	3.49E-05
55982	Paxip1	PAX interacting (with transcription-activation domain) protein 1	-1.508	6.39E-03
329506	Ctdspl2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase like 2	-1.508	1.43E-03
11668	Aldh1A1	aldehyde dehydrogenase 1 family, member A1	-1.509	4.15E-02
12390	Cav2	caveolin 2	-1.509	4.61E-02
15194	Htt	huntingtin	-1.509	1.07E-02
16009	Igfbp3	insulin-like growth factor binding protein 3	-1.510	5.56E-04
71514	Sfpq	splicing factor proline/glutamine-rich	-1.510	2.36E-02
627488	Gm6763	predicted gene 6763	-1.510	2.53E-02
230721	Pabpc4	poly(A) binding protein, cytoplasmic 4 (inducible form)	-1.512	3.45E-03
327987	Med13	mediator complex subunit 13	-1.513	3.55E-03
70767	Prpf3	PRP3 pre-mRNA processing factor 3 homolog (S. cerevisiae)	-1.514	2.24E-04
223455	March6	membrane-associated ring finger (C3HC4) 6	-1.514	2.24E-03
12914	Crebbp	CREB binding protein	-1.515	7.38E-04
18000	Sept2	septin 2	-1.515	6.76E-03
72244	C19Orf12	chromosome 19 open reading frame 12	-1.515	1.30E-03
74603	Cd200R3	CD200 receptor 3	-1.515	3.19E-02
98214	Abl2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)	-1.515	2.27E-02
53334	Gosr1	golgi SNAP receptor complex member 1	-1.516	3.72E-03
56494	Itga1	integrin, alpha 1	-1.516	3.69E-03
109319	8430422M14Rik	RIKEN cDNA 8430422M14 gene	-1.516	4.05E-04
241520	Fam171B	family with sequence similarity 171, member B	-1.516	1.21E-02
11430	Acox1	acyl-CoA oxidase 1, palmitoyl	-1.517	4.85E-03
13627	Eef1A1	eukaryotic translation elongation factor 1 alpha 1	-1.517	3.17E-03
18033	Nfkb1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	-1.519	3.28E-03
93691	Klf7	Kruppel-like factor 7 (ubiquitous)	-1.519	9.62E-04
12934	Dpysl2	dihydropyrimidinase-like 2	-1.520	2.20E-02
232087	Mat2A	methionine adenosyltransferase II, alpha	-1.520	4.25E-03
13008	Mt-Atp8	ATP synthase F0 subunit 8	-1.522	4.23E-02
20382	Sfrs2	splicing factor, arginine/serine-rich 2	-1.523	8.24E-03
27399	Ip6K1	inositol hexakisphosphate kinase 1	-1.523	3.47E-02
75316	Taf1D	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	-1.523	1.84E-05
50927	Nasp	nuclear autoantigenic sperm protein (histone-binding)	-1.526	2.07E-03
239759	Liph	lipase, member H	-1.526	4.98E-03
22359	Vldlr	very low density lipoprotein receptor	-1.528	3.06E-03
68564	Nufip2	nuclear fragile X mental retardation protein interacting protein 2	-1.528	2.54E-02
229675	Rsb1	round spermatid basic protein 1	-1.528	4.46E-03
11990	Atrn	attractin	-1.529	3.86E-05
20336	Exoc4	exocyst complex component 4	-1.529	8.71E-05
100226	Stx12	syntaxin 12	-1.529	9.70E-04
13016	Ctbp1	C-terminal binding protein 1	-1.530	3.36E-03
67125	Tspan31	tetraspanin 31	-1.532	1.24E-02
11938	Atp2A2	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	-1.533	3.24E-03
19340	Rab3D	RAB3D, member RAS oncogene family	-1.533	1.22E-02
71175	Nipbl	Nipped-B homolog (Drosophila)	-1.533	2.44E-02
226519	Lamc1	laminin, gamma 1 (formerly LAMB2)	-1.533	3.61E-03
69131	Cdk12	cyclin-dependent kinase 12	-1.534	2.38E-04
107358	Tm9Sf3	transmembrane 9 superfamily member 3	-1.534	1.46E-02
53872	Hla-B	major histocompatibility complex, class I, B	-1.535	1.87E-02
69577	Fastkd3	FAST kinase domains 3	-1.535	2.93E-02
107932	Chd4	chromodomain helicase DNA binding protein 4	-1.535	3.09E-04
19045	Ppp1Ca	protein phosphatase 1, catalytic subunit, alpha isozyme	-1.536	1.74E-04

218978	Kiaa0831	KIAA0831	-1.536	2.34E-04
20901	Strap	serine/threonine kinase receptor associated protein	-1.537	3.08E-02
66631	Hiatl1	hippocampus abundant transcript-like 1	-1.538	2.44E-02
230861	Eif4G3	eukaryotic translation initiation factor 4 gamma, 3	-1.538	4.08E-02
192157	Tpm2	tropomyosin 2 (beta)	-1.539	2.74E-04
229504	Isg20L2	interferon stimulated exonuclease gene 20kDa-like 2	-1.539	2.50E-03
12460	Ccs	copper chaperone for superoxide dismutase	-1.541	4.74E-05
12455	Ccnt1	cyclin T1	-1.542	2.85E-02
266781	Snx17	sorting nexin 17	-1.542	1.82E-04
70422	Ints2	integrator complex subunit 2	-1.543	8.16E-03
12499	Entpd5	ectonucleoside triphosphate diphosphohydrolase 5	-1.544	1.69E-02
12532	Cdc25C	cell division cycle 25 homolog C (S. pombe)	-1.544	1.19E-02
13618	EdnrB	endothelin receptor type B	-1.544	3.59E-02
218343	Ttc37	tetratricopeptide repeat domain 37	-1.544	7.17E-03
13003	Vcan	versican	-1.545	1.88E-02
109674	Ampd2	adenosine monophosphate deaminase 2	-1.545	7.41E-04
382038	Urb2	URB2 ribosome biogenesis 2 homolog (S. cerevisiae)	-1.545	4.56E-02
68273	Pomgnt1	protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase	-1.546	1.09E-02
69900	Mfsd11	major facilitator superfamily domain containing 11	-1.546	1.40E-04
235584	Dusp7	dual specificity phosphatase 7	-1.546	1.66E-03
20588	Smarcc1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	-1.548	4.09E-02
235469	Znf280D	zinc finger protein 280D	-1.548	4.32E-06
235534	Acpl2	acid phosphatase-like 2	-1.548	2.65E-02
19055	Ppp3Ca	protein phosphatase 3, catalytic subunit, alpha isozyme	-1.549	2.91E-02
19877	Rock1	Rho-associated, coiled-coil containing protein kinase 1	-1.549	6.26E-03
75624	Metap1	methionyl aminopeptidase 1	-1.549	2.78E-02
218503	Fcho2	FCH domain only 2	-1.549	2.33E-03
66609	Cryz11	crystallin, zeta (quinone reductase)-like 1	-1.550	9.97E-03
223691	Eif3L	eukaryotic translation initiation factor 3, subunit L	-1.550	8.86E-04
12039	Bckdha	branched chain keto acid dehydrogenase E1, alpha polypeptide	-1.551	1.49E-02
15257	Hipk1	homeodomain interacting protein kinase 1	-1.551	3.66E-04
19385	Ranbp1	RAN binding protein 1	-1.552	4.71E-02
67213	Cmtm6	CKLF-like MARVEL transmembrane domain containing 6	-1.553	3.25E-06
16319	Hist1H1B	histone cluster 1, H1b	-1.554	2.82E-03
19084	Prkar1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	-1.554	3.70E-04
20619	Snap23	synaptosomal-associated protein, 23kDa	-1.554	1.00E-04
72162	Dhx36	DEAH (Asp-Glu-Ala-His) box polypeptide 36	-1.554	3.31E-04
57810	Hnrnpc	heterogeneous nuclear ribonucleoprotein C (C1/C2)	-1.555	1.55E-03
58800	Trpm7	transient receptor potential cation channel, subfamily M, member 7	-1.555	2.28E-03
12183	Bpgm	2,3-bisphosphoglycerate mutase	-1.556	2.33E-04
50497	Col1A1	collagen, type I, alpha 1	-1.556	2.64E-04
71817	Tmem50A	transmembrane protein 50A	-1.556	5.61E-04
268448	Phf12	PHD finger protein 12	-1.556	3.05E-03
16171	Il17A	interleukin 17A	-1.557	5.50E-03
22225	Usp5	ubiquitin specific peptidase 5 (isopeptidase T)	-1.557	2.44E-03
59069	Tpm3	tropomyosin 3	-1.558	6.12E-03
73608	Marveld3	MARVEL domain containing 3	-1.558	1.05E-03
105245	Txndc5	thioredoxin domain containing 5 (endoplasmic reticulum)	-1.558	1.98E-03
107723	Slc12A6	solute carrier family 12 (potassium/chloride transporters), member 6	-1.559	8.42E-05
320183	MsrB3	methionine sulfoxide reductase B3	-1.559	1.06E-02
77604	Rbm12B	RNA binding motif protein 12B	-1.560	3.30E-05
12227	Btg2	BTG family, member 2	-1.562	1.73E-03
19713	Ret	ret proto-oncogene	-1.562	6.25E-04
19244	Ptp4A2	protein tyrosine phosphatase type IVA, member 2	-1.563	1.75E-03
22764	Zfx	zinc finger protein, X-linked	-1.563	2.67E-03
67456	Ergic2	ERGIC and golgi 2	-1.563	8.34E-03
13358	Slc25A1	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	-1.564	4.49E-02
18641	Pfkf	phosphofructokinase, liver	-1.564	1.29E-03
11513	Adcy7	adenylate cyclase 7	-1.565	2.83E-04
56407	Trpc4Ap	transient receptor potential cation channel, subfamily C, member 4 associated protein	-1.565	3.98E-03
17758	Map4	microtubule-associated protein 4	-1.566	2.05E-03
12005	Axin1	axin 1	-1.567	4.06E-04
15191	Hdgf	hepatoma-derived growth factor	-1.567	2.84E-02

66905	Plin3	perilipin 3	-1.567	1.07E-02
77057	Ston1	stonin 1	-1.567	1.03E-02
81702	Ankrd17	ankyrin repeat domain 17	-1.568	1.51E-04
18607	Pdpk1	3-phosphoinositide dependent protein kinase-1	-1.569	7.91E-04
245688	Rbbp7	retinoblastoma binding protein 7	-1.569	4.30E-02
20498	Slc12A4	solute carrier family 12 (potassium/chloride transporters), member 4	-1.571	1.10E-03
68152	Fam133B	family with sequence similarity 133, member B	-1.571	4.71E-05
20499	Slc12A7	solute carrier family 12 (potassium/chloride transporters), member 7	-1.572	4.31E-05
70099	Smc4	structural maintenance of chromosomes 4	-1.572	1.51E-02
17002	Ltf	lactotransferrin	-1.574	4.13E-04
29871	Scmh1	sex comb on midleg homolog 1 (Drosophila)	-1.576	2.86E-02
98415	Nucks1	nuclear casein kinase and cyclin-dependent kinase substrate 1	-1.577	1.87E-02
114713	Tat	tyrosine aminotransferase	-1.577	3.89E-05
225164	Mib1	mindbomb homolog 1 (Drosophila)	-1.577	3.99E-03
545725	Mterf	mitochondrial transcription termination factor	-1.577	2.80E-04
67080	C2Orf88	chromosome 2 open reading frame 88	-1.578	1.54E-02
99382	Abtb2	ankyrin repeat and BTB (POZ) domain containing 2	-1.578	3.77E-04
78908	Igsf3	immunoglobulin superfamily, member 3	-1.579	4.71E-02
226517	Smg7	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	-1.579	1.50E-05
15184	Hdac5	histone deacetylase 5	-1.580	7.24E-04
17918	Myo5A	myosin VA (heavy chain 12, myosin)	-1.580	1.83E-03
56374	Hprt1	hypoxanthine phosphoribosyltransferase 1	-1.580	1.57E-02
12492	Scarb2	scavenger receptor class B, member 2	-1.581	3.59E-03
21778	Tex9	testis expressed 9	-1.581	4.53E-02
228608	Smox	spermine oxidase	-1.581	2.03E-02
14886	Gtf2I	general transcription factor Iii	-1.582	6.03E-05
16785	Rpsa	ribosomal protein SA	-1.582	1.51E-04
56392	Itga7	integrin, alpha 7	-1.582	1.60E-04
68837	Foxk2	forkhead box K2	-1.582	1.29E-02
17308	Mgat1	mannosyl (alpha-1,3)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	-1.583	1.03E-03
29811	Ndrp2	NDRG family member 2	-1.583	1.12E-02
230376	Haus6	HAUS augmin-like complex, subunit 6	-1.584	2.45E-02
213211	Rnf26	ring finger protein 26	-1.586	4.22E-03
225289	Aw554918	expressed sequence AW554918	-1.586	3.15E-02
16573	Kif5B	kinesin family member 5B	-1.587	2.09E-03
12400	Cbfb	core-binding factor, beta subunit	-1.588	1.61E-02
13205	Ddx3X	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	-1.589	1.69E-02
15374	Hn1	hematological and neurological expressed 1	-1.589	1.92E-02
56878	D4S234E	DNA segment on chromosome 4 (unique) 234 expressed sequence	-1.589	1.71E-03
27214	Dbf4	DBF4 homolog (S. cerevisiae)	-1.590	1.46E-02
104806	Fanclm	Fanconi anemia, complementation group M	-1.590	3.82E-04
17258	Mef2A	myocyte enhancer factor 2A	-1.591	1.28E-04
17125	Smad1	SMAD family member 1	-1.592	2.62E-03
67154	Mtdh	metadherin	-1.592	3.86E-03
21749	Terf1	telomeric repeat binding factor (NIMA-interacting) 1	-1.593	3.73E-04
57376	Smarce1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1	-1.594	2.03E-03
68240	Rpa3	replication protein A3, 14kDa	-1.594	3.42E-03
228140	Tnks1Bp1	tankyrase 1 binding protein 1, 182kDa	-1.594	2.43E-02
67418	Ppil4	peptidylprolyl isomerase (cyclophilin)-like 4	-1.597	2.77E-03
140742	Sesn1	sestrin 1	-1.597	4.30E-03
28109	C12Orf45	chromosome 12 open reading frame 45	-1.598	1.18E-02
74996	Usp47	ubiquitin specific peptidase 47	-1.599	2.93E-03
103806	Maml1	mastermind-like 1 (Drosophila)	-1.600	1.71E-04
226499	Ubc	ubiquitin C	-1.600	1.18E-03
229589	Prune	prune homolog (Drosophila)	-1.600	1.75E-03
13629	Eef2	eukaryotic translation elongation factor 2	-1.601	2.03E-03
56309	Sstr1	somatostatin receptor 1	-1.601	3.39E-02
75901	Dcp1A	DCP1 decapping enzyme homolog A (S. cerevisiae)	-1.603	5.77E-06
121022	Mrps6	mitochondrial ribosomal protein S6	-1.603	9.97E-04
13033	Ctsd	cathepsin D	-1.604	2.48E-02
17688	Msh6	mutS homolog 6 (E. coli)	-1.604	4.70E-05
68219	Nudt21	nudix (nucleoside diphosphate linked moiety X)-type motif 21	-1.604	1.71E-04
23942	Mta2	metastasis associated 1 family, member 2	-1.605	1.16E-05

67804	Snx2	sorting nexin 2	-1.605	1.31E-02
70603	Mutyh	mutY homolog (E. coli)	-1.605	4.08E-02
18984	Por	P450 (cytochrome) oxidoreductase	-1.607	8.39E-03
217578	Map4	microtubule-associated protein 4	-1.607	1.68E-03
14911	Thumpd3	THUMP domain containing 3	-1.608	9.83E-04
69666	Psmg4	proteasome (prosome, macropain) assembly chaperone 4	-1.608	5.08E-05
11409	Acads	acyl-CoA dehydrogenase, C-2 to C-3 short chain	-1.609	7.47E-03
67260	Lass4	LAG1 homolog, ceramide synthase 4	-1.609	5.87E-05
57316	Svs4	seminal vesicle secretory protein 4	-1.610	9.37E-03
66404	C20Orf43	chromosome 20 open reading frame 43	-1.610	2.01E-03
110078	Pygb	phosphorylase, glycogen; brain	-1.610	6.82E-04
12892	Cpox	coproporphyrinogen oxidase	-1.611	3.10E-03
20525	Slc2A1	solute carrier family 2 (facilitated glucose transporter), member 1	-1.611	2.73E-02
140780	Bmp2K	BMP2 inducible kinase	-1.611	3.42E-04
240476	Znf407	zinc finger protein 407	-1.611	5.55E-04
17274	Rab8A	RAB8A, member RAS oncogene family	-1.612	8.61E-03
27998	Exosc5	exosome component 5	-1.612	9.96E-03
66874	C17Orf85	chromosome 17 open reading frame 85	-1.613	2.78E-04
72061	C9Orf3	chromosome 9 open reading frame 3	-1.613	1.06E-06
14105	Sfrs13A	splicing factor, arginine/serine-rich 13A	-1.614	2.69E-02
26895	Cops7B	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	-1.614	3.49E-03
66492	Zmat2	zinc finger, matrin type 2	-1.614	1.47E-04
15260	Hira	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	-1.616	3.21E-04
67733	Itgb3Bp	integrin beta 3 binding protein (beta3-endonexin)	-1.616	5.32E-04
76205	Stard3NI	STARD3 N-terminal like	-1.617	4.61E-05
380712	Tlcd2	TLC domain containing 2	-1.617	3.15E-04
15463	Arfgap1	ArfGAP with FG repeats 1	-1.619	1.30E-02
17395	Mmp9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	-1.620	4.39E-02
14571	Gpd2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	-1.621	2.17E-03
319638	Nt5Dc1	5'-nucleotidase domain containing 1	-1.621	1.65E-03
15568	Elavl1	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)	-1.622	2.19E-03
105837	Mtbp	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse) binding protein, 104kDa	-1.622	2.17E-03
209225	Znf710	zinc finger protein 710	-1.622	8.62E-03
241624	Exd1	exonuclease 3'-5' domain containing 1	-1.622	2.52E-04
12409	Cbr2	carbonyl reductase 2	-1.623	1.96E-03
27096	Trappc3	trafficking protein particle complex 3	-1.623	5.46E-04
69354	Slc38A4	solute carrier family 38, member 4	-1.623	7.17E-04
16956	Lpl	lipoprotein lipase	-1.625	4.17E-03
229542	Gatad2B	GATA zinc finger domain containing 2B	-1.626	7.38E-05
13728	Mark2	MAP/microtubule affinity-regulating kinase 2	-1.627	2.95E-02
19656	Rbmxrt	RNA binding motif protein, X chromosome retrogene	-1.627	1.92E-04
24116	Whsc2	Wolf-Hirschhorn syndrome candidate 2	-1.627	4.61E-03
19357	Rad21	RAD21 homolog (S. pombe)	-1.628	9.41E-03
74383	Ubap2L	ubiquitin associated protein 2-like	-1.628	6.22E-04
13495	Drg2	developmentally regulated GTP binding protein 2	-1.629	2.42E-02
22343	Lin7C	lin-7 homolog C (C. elegans)	-1.629	2.25E-02
60611	Foxj2	forkhead box J2	-1.629	2.49E-05
68479	Phf5A	PHD finger protein 5A	-1.629	3.79E-05
69597	Afg3L2	AFG3 ATPase family gene 3-like 2 (yeast)	-1.629	2.36E-03
105727	Slc38A1	solute carrier family 38, member 1	-1.629	1.46E-02
242687	Wasf2	WAS protein family, member 2	-1.629	3.93E-06
246782	Atpaf2	ATP synthase mitochondrial F1 complex assembly factor 2	-1.629	3.32E-04
21423	Tcf3	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	-1.630	6.74E-04
102334	Ankrd10	ankyrin repeat domain 10	-1.630	9.16E-06
54394	Crlf3	cytokine receptor-like factor 3	-1.631	1.17E-02
56195	G6Pd	glucose-6-phosphate dehydrogenase	-1.631	5.81E-03
57913	Dmd	dystrophin	-1.631	2.17E-02
67420	Far1	fatty acyl CoA reductase 1	-1.631	2.66E-03
56758	Mbnl1	muscleblind-like (Drosophila)	-1.632	2.57E-03
73130	Tmed5	transmembrane emp24 protein transport domain containing 5	-1.632	5.91E-03
11863	Arnt	aryl hydrocarbon receptor nuclear translocator	-1.634	1.07E-04
70661	Sik3	SIK family kinase 3	-1.636	1.18E-02
233876	Hirip3	HIRA interacting protein 3	-1.636	3.73E-02

16819	Lcn2	lipocalin 2	-1.637	1.77E-03
56317	Gh1	growth hormone 1	-1.637	1.26E-05
77134	Hnrnpa0	heterogeneous nuclear ribonucleoprotein A0	-1.637	3.77E-03
213993	C10Orf118	chromosome 10 open reading frame 118	-1.637	2.61E-03
21928	Tnfaip2	tumor necrosis factor, alpha-induced protein 2	-1.638	6.18E-03
18392	Orc1L	origin recognition complex, subunit 1-like (yeast)	-1.639	5.08E-03
56200	Glud1	glutamate dehydrogenase 1	-1.639	3.39E-02
52686	Il5	interleukin 5 (colony-stimulating factor, eosinophil)	-1.640	9.46E-04
72181	Nsun4	NOP2/Sun domain family, member 4	-1.640	5.97E-04
14236	Foxn2	forkhead box N2	-1.641	4.69E-03
70380	Mospd1	motile sperm domain containing 1	-1.641	3.43E-03
414108	Incnp	inner centromere protein antigens 135/155kDa	-1.641	1.67E-03
12567	Cdk4	cyclin-dependent kinase 4	-1.643	2.49E-02
110052	Dek	DEK oncogene	-1.643	1.08E-02
20462	Tra2B	transformer 2 beta homolog (Drosophila)	-1.644	1.60E-02
218210	Nup153	nucleoporin 153kDa	-1.644	5.70E-03
214459	Fnbp1L	formin binding protein 1-like	-1.645	2.25E-02
16600	Klf4	Kruppel-like factor 4 (gut)	-1.647	1.75E-02
52626	Cd74	CD74 molecule, major histocompatibility complex, class II invariant chain	-1.647	1.16E-03
11798	Xiap	X-linked inhibitor of apoptosis	-1.649	1.76E-02
23879	Mapk1	mitogen-activated protein kinase 1	-1.649	2.47E-03
72047	Ddx42	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42	-1.649	6.14E-05
230753	Thrap3	thyroid hormone receptor associated protein 3	-1.649	1.20E-04
12389	Cav1	caveolin 1, caveolae protein, 22kDa	-1.651	9.45E-04
214137	Arhgap29	Rho GTPase activating protein 29	-1.651	1.70E-02
15531	Ndst1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	-1.652	7.90E-03
382423	Atxn7L3B	ataxin 7-like 3B	-1.653	2.57E-05
26936	Mprip	myosin phosphatase Rho interacting protein	-1.654	3.45E-03
29808	Mga	MAX gene associated	-1.654	1.45E-03
15364	Hmga2	high mobility group AT-hook 2	-1.655	7.08E-03
18023	Nfe2L1	nuclear factor (erythroid-derived 2)-like 1	-1.655	5.34E-06
104725	C14Orf147	chromosome 14 open reading frame 147	-1.656	1.15E-02
386612	Thoc6	THO complex 6 homolog (Drosophila)	-1.656	6.50E-03
67440	Mtpap	mitochondrial poly(A) polymerase	-1.657	5.15E-03
72931	C9Orf119	chromosome 9 open reading frame 119	-1.657	1.50E-04
83946	Phip	pleckstrin homology domain interacting protein	-1.657	6.95E-05
19654	Rbm6	RNA binding motif protein 6	-1.659	9.26E-03
71963	Cdca4	cell division cycle associated 4	-1.661	3.51E-04
11771	Ap2A1	adaptor-related protein complex 2, alpha 1 subunit	-1.662	1.28E-02
230996	C1Orf159	chromosome 1 open reading frame 159	-1.662	2.22E-04
19735	Rgs2	regulator of G-protein signaling 2, 24kDa	-1.663	6.59E-07
66628	Thg1L	tRNA-histidine guanylyltransferase 1-like (S. cerevisiae)	-1.664	3.16E-03
55943	Cel	carboxyl ester lipase (bile salt-stimulated lipase)	-1.666	8.02E-03
56291	Gria3	glutamate receptor, ionotropic, AMPA 3	-1.666	1.04E-02
57867	Hnf1A	HNF1 homeobox A	-1.667	3.92E-03
15270	H2Afx	H2A histone family, member X	-1.668	1.03E-02
98878	Ehd4	EH-domain containing 4	-1.669	1.48E-06
215632	Psd4	pleckstrin and Sec7 domain containing 4	-1.669	1.34E-04
11461	Actb	actin, beta	-1.670	2.00E-04
29806	Cd59	CD59 molecule, complement regulatory protein	-1.670	9.05E-05
50493	Col8A1	collagen, type VIII, alpha 1	-1.670	1.61E-02
114741	Supt16H	suppressor of Ty 16 homolog (S. cerevisiae)	-1.670	1.49E-02
15441	Hp1Bp3	heterochromatin protein 1, binding protein 3	-1.671	1.03E-05
11487	Adam10	ADAM metallopeptidase domain 10	-1.674	9.39E-03
16779	Lamb2	laminin, beta 2 (laminin S)	-1.674	1.56E-03
72007	Fndc3B	fibronectin type III domain containing 3B	-1.674	1.75E-04
72520	2610305J24Rik	hypothetical gene LOC72520	-1.674	2.29E-02
238130	Dock4	dedicator of cytokinesis 4	-1.675	1.92E-03
18974	Pole2	polymerase (DNA directed), epsilon 2 (p59 subunit)	-1.676	2.47E-02
20874	Slk	STE20-like kinase (yeast)	-1.676	8.26E-05
18458	Pabpc1	poly(A) binding protein, cytoplasmic 1	-1.677	1.84E-02
68744	Znf740	zinc finger protein 740	-1.677	2.35E-03
17155	Man1A1	mannosidase, alpha, class 1A, member 1	-1.678	8.29E-04
19347	Dennd5A	DENN/MADD domain containing 5A	-1.678	6.35E-05
50883	Chek2	CHK2 checkpoint homolog (S. pombe)	-1.678	9.32E-03
53610	Cdk16	cyclin-dependent kinase 16	-1.679	1.50E-03
223770	Brd1	bromodomain containing 1	-1.681	1.77E-03
14629	Gclc	glutamate-cysteine ligase, catalytic subunit	-1.682	3.19E-03
15902	Id2	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	-1.683	4.80E-03

108705	Pttg1Ip	pituitary tumor-transforming 1 interacting protein	-1.683	2.41E-03
269233	Fam171A1	family with sequence similarity 171, member A1	-1.684	6.36E-04
26419	Mapk8	mitogen-activated protein kinase 8	-1.685	1.46E-04
21813	Tgfb2	transforming growth factor, beta receptor II (70/80kDa)	-1.686	6.05E-06
19271	Ptprj	protein tyrosine phosphatase, receptor type, J	-1.688	7.79E-03
20411	Sorbs1	sorbin and SH3 domain containing 1	-1.688	3.84E-04
69207	Sfrs11	splicing factor, arginine/serine-rich 11	-1.688	4.01E-03
233726	Ipo7	importin 7	-1.689	4.91E-03
67667	Alkbh8	alkB, alkylation repair homolog 8 (E. coli)	-1.690	1.04E-04
69237	Gtpbp4	GTP binding protein 4	-1.690	2.11E-02
19324	Rab1A	RAB1A, member RAS oncogene family	-1.691	5.41E-05
58244	Stx6	syntaxin 6	-1.691	2.40E-03
11837	Rplp0	ribosomal protein, large, P0	-1.692	1.20E-05
17869	Myc	v-myc myelocytomatosis viral oncogene homolog (avian)	-1.692	2.08E-02
67500	Ccar1	cell division cycle and apoptosis regulator 1	-1.692	8.92E-06
54710	Hs3St3B1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	-1.693	1.07E-02
56017	Slc2A8	solute carrier family 2 (facilitated glucose transporter), member 8	-1.693	1.16E-03
223435	Trio	triple functional domain (PTPRF interacting)	-1.693	7.30E-04
108052	Slc14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	-1.695	9.45E-05
219249	Tdrd3	tudor domain containing 3	-1.695	7.86E-03
224619	Traf7	TNF receptor-associated factor 7	-1.695	3.57E-04
13855	Epn2	epsin 2	-1.696	1.02E-02
69568	Vkorc1L1	vitamin K epoxide reductase complex, subunit 1-like 1	-1.696	2.96E-02
78783	Brpf1	bromodomain and PHD finger containing, 1	-1.696	1.44E-04
11787	Apbb2	amyloid beta (A4) precursor protein-binding, family B, member 2	-1.697	2.12E-04
13822	Epb41L2	erythrocyte membrane protein band 4.1-like 2	-1.697	5.30E-04
22154	Tubb	tubulin, beta	-1.697	3.08E-02
105559	Mbnl2	muscleblind-like 2 (Drosophila)	-1.697	1.90E-04
97884	B3Galnt2	beta-1,3-N-acetylgalactosaminyltransferase 2	-1.698	4.09E-05
15289	Hmgb1L1	high-mobility group box 1-like 1	-1.699	1.46E-03
244895	Sgk269	NKF3 kinase family member	-1.701	1.43E-02
18704	Pik3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	-1.702	7.79E-04
22004	Tpm2	tropomyosin 2 (beta)	-1.705	7.92E-03
69953	2810025M15Rik	RIKEN cDNA 2810025M15 gene	-1.705	6.88E-07
228602	C20Orf194	chromosome 20 open reading frame 194	-1.705	1.48E-06
12124	Bik	BCL2-interacting killer (apoptosis-inducing)	-1.706	1.04E-02
17357	Marcks1	MARCKS-like 1	-1.706	2.41E-05
59090	Midn	midnolin	-1.706	4.26E-04
231571	Ascl1	achaete-scute complex homolog 1 (Drosophila)	-1.706	5.46E-04
17120	Mad1L1	MAD1 mitotic arrest deficient-like 1 (yeast)	-1.708	1.58E-02
67998	Fam134C	family with sequence similarity 134, member C	-1.708	2.17E-03
232339	Ankrd26	ankyrin repeat domain 26	-1.708	4.98E-04
56199	Glud1	glutamate dehydrogenase 1	-1.709	9.60E-05
319651	Usp37	ubiquitin specific peptidase 37	-1.709	1.88E-03
78255	Ralgps2	Ral GEF with PH domain and SH3 binding motif 2	-1.710	8.10E-03
218613	Mier3	mesoderm induction early response 1, family member 3	-1.711	2.50E-04
233406	Prc1	protein regulator of cytokinesis 1	-1.712	2.65E-03
26921	Map4K4	mitogen-activated protein kinase kinase kinase 4	-1.714	5.70E-04
56354	Dnajc7	DnaJ (Hsp40) homolog, subfamily C, member 7	-1.714	2.89E-04
72333	Palld	palladin, cytoskeletal associated protein	-1.714	3.09E-04
56194	Prpf40A	PRP40 pre-mRNA processing factor 40 homolog A (S. cerevisiae)	-1.715	1.79E-02
67355	1700109G14Rik	RIKEN cDNA 1700109G14 gene	-1.715	4.32E-02
69276	Sec62	SEC62 homolog (S. cerevisiae)	-1.715	3.97E-04
208146	Yeats2	YEATS domain containing 2	-1.715	2.15E-05
546001	Srcap	Snf2-related CREBBP activator protein	-1.716	9.48E-04
54216	Sdc1	syndecan 1	-1.717	1.92E-02
56258	Lcn2	lipocalin 2	-1.717	1.54E-03
93674	Cml3	camello-like 3	-1.717	1.53E-04
108086	Rnf216	ring finger protein 216	-1.717	4.21E-04
110816	Pwp2	PWP2 periodic tryptophan protein homolog (yeast)	-1.717	1.35E-02
93706	Pcdhgc3	protocadherin gamma subfamily C, 3	-1.718	1.62E-02
67053	Rpp14	ribonuclease P/MRP 14kDa subunit	-1.720	5.30E-03
15379	Onecut1	one cut homeobox 1	-1.721	2.80E-02
217737	Ahsa1	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)	-1.721	5.38E-03
72472	Slc16A10	solute carrier family 16, member 10 (aromatic amino acid transporter)	-1.723	3.58E-06

72946	Lrrc47	leucine rich repeat containing 47	-1.724	8.91E-06
50758	Fbxl17	F-box and leucine-rich repeat protein 17	-1.725	1.38E-05
238799	Tnpo1	transportin 1	-1.725	2.41E-03
24044	Scamp2	secretory carrier membrane protein 2	-1.728	2.18E-04
11308	Abi1	abl-interactor 1	-1.730	1.42E-03
11820	App	amyloid beta (A4) precursor protein	-1.730	4.87E-03
22785	Slc30A4	solute carrier family 30 (zinc transporter), member 4	-1.733	2.62E-05
66932	Rexo1	REX1, RNA exonuclease 1 homolog (S. cerevisiae)	-1.734	1.18E-03
67772	Chd8	chromodomain helicase DNA binding protein 8	-1.735	1.94E-04
226412	R3Hdm1	R3H domain containing 1	-1.735	3.59E-04
241593	Pin1L	peptidylprolyl cis/trans isomerase, NIMA-interacting 1-like	-1.735	1.31E-02
71713	Cdc40	cell division cycle 40 homolog (S. cerevisiae)	-1.736	4.74E-03
72972	Fam190B	family with sequence similarity 190, member B	-1.736	9.43E-04
269587	Epb41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)	-1.736	8.70E-05
19245	Ptp4A3	protein tyrosine phosphatase type IVA, member 3	-1.737	4.24E-06
19687	Rfc1	replication factor C (activator 1) 1, 145kDa	-1.737	8.18E-05
245945	Rbm47	RNA binding motif protein 47	-1.739	7.94E-03
107746	Rapgef1	Rap guanine nucleotide exchange factor (GEF) 1	-1.742	7.02E-03
110006	Gusb	glucuronidase, beta	-1.742	2.84E-02
22222	Ubr1	ubiquitin protein ligase E3 component n-recognin 1	-1.744	1.15E-02
93692	Glrx	glutaredoxin (thioltransferase)	-1.744	1.48E-03
51788	Cebpg	CCAAT/enhancer binding protein (C/EBP), gamma	-1.745	5.56E-05
18007	Neo1	neogenin homolog 1 (chicken)	-1.746	2.69E-03
319322	Sf3B2	splicing factor 3b, subunit 2, 145kDa	-1.746	3.03E-02
14228	Fkbp4	FK506 binding protein 4, 59kDa	-1.747	9.92E-03
17345	Mki67	antigen identified by monoclonal antibody Ki-67	-1.747	4.14E-02
66898	Baiap2L1	BAI1-associated protein 2-like 1	-1.747	3.37E-05
212898	Dse	dermatan sulfate epimerase	-1.747	8.60E-05
380752	Tssc1	tumor suppressing subtransferable candidate 1	-1.747	9.52E-07
26428	Orc4L	origin recognition complex, subunit 4-like (yeast)	-1.750	7.16E-05
77744	C13Orf34	chromosome 13 open reading frame 34	-1.750	9.92E-03
16971	Lrp1	low density lipoprotein receptor-related protein 1	-1.751	4.01E-03
19280	Ptprs	protein tyrosine phosphatase, receptor type, S	-1.751	3.78E-05
53605	Kcna1	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)	-1.752	1.20E-02
170750	Xpnpep1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	-1.752	1.02E-02
14456	Gas6	growth arrest-specific 6	-1.753	3.51E-03
66409	Rsl1D1	ribosomal L1 domain containing 1	-1.754	1.74E-02
70925	Cdkn2Aip	CDKN2A interacting protein	-1.754	1.08E-04
71833	Dcaf7	DDB1 and CUL4 associated factor 7	-1.754	4.63E-03
216825	Usp22	ubiquitin specific peptidase 22	-1.754	7.69E-03
223601	Fam49B	family with sequence similarity 49, member B	-1.756	2.97E-03
227753	Gsn	gelsolin	-1.757	1.85E-04
14958	H1FO	H1 histone family, member 0	-1.758	7.28E-05
19211	Pten	phosphatase and tensin homolog	-1.761	3.38E-04
100340	Smpd13B	sphingomyelin phosphodiesterase, acid-like 3B	-1.761	2.80E-05
235574	Atp2C1	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	-1.762	3.81E-03
14751	Gpi	glucose-6-phosphate isomerase	-1.763	1.33E-03
77683	Ehmt1	euchromatic histone-lysine N-methyltransferase 1	-1.763	2.66E-04
11966	Atp6V1B2	ATPase, H ⁺ transporting, lysosomal 56/58kDa, V1 subunit B2	-1.765	2.11E-03
20535	Slc4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	-1.765	3.22E-03
77106	Tmem181	transmembrane protein 181	-1.765	2.69E-04
110854	Ppp2R4	protein phosphatase 2A activator, regulatory subunit 4	-1.765	3.12E-04
271457	Rab5A	RAB5A, member RAS oncogene family	-1.768	1.90E-02
12057	Opn1Sw	opsin 1 (cone pigments), short-wave-sensitive	-1.770	5.26E-03
14426	Galnt4	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 4 (GalNAc-T4)	-1.774	2.70E-05
56378	Hspa8	heat shock 70kDa protein 8	-1.774	9.88E-05
233532	Rsf1	remodeling and spacing factor 1	-1.774	3.26E-05
16211	Canx	calnexin	-1.775	6.11E-04
75292	Prkd3	protein kinase D3	-1.775	7.63E-06
101739	Psip1	PC4 and SFRS1 interacting protein 1	-1.775	4.91E-03
21366	Slc6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	-1.776	3.89E-03
269423	C4Orf29	chromosome 4 open reading frame 29	-1.776	2.32E-05
14594	Ggta1	glycoprotein, alpha-galactosyltransferase 1 pseudogene	-1.779	1.35E-06
140546	Eri3	ERI1 exoribonuclease family member 3	-1.779	4.39E-02
20308	Ccl9	chemokine (C-C motif) ligand 9	-1.780	1.28E-04

216238	Eea1	early endosome antigen 1	-1.780	4.18E-04
633640	C5Orf28	chromosome 5 open reading frame 28	-1.781	1.71E-02
18018	Nfatc1	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1	-1.784	2.59E-04
58520	C14Orf1	chromosome 14 open reading frame 1	-1.784	6.52E-04
67769	Gpatch2	G patch domain containing 2	-1.785	2.16E-03
18789	Papola	poly(A) polymerase alpha	-1.786	5.66E-06
14660	Gls	glutaminase	-1.789	1.48E-02
18521	Pcbp2	poly(rC) binding protein 2	-1.789	8.60E-08
20602	Ncor2	nuclear receptor co-repressor 2	-1.789	8.38E-05
102920	Cenpi	centromere protein I	-1.789	2.86E-05
63985	Gmfb	glia maturation factor, beta	-1.790	4.85E-02
269424	Phf17	PHD finger protein 17	-1.790	7.38E-05
11840	Arf1	ADP-ribosylation factor 1	-1.791	3.36E-04
19697	Rela	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	-1.791	9.81E-04
67059	Ola1	Obg-like ATPase 1	-1.794	1.41E-02
15516	Hsp90Ab1	heat shock protein 90kDa alpha (cytosolic), class B member 1	-1.795	3.74E-02
52187	Igk-V	immunoglobulin kappa chain complex variable region	-1.796	1.32E-03
59033	Slc4A8	solute carrier family 4, sodium bicarbonate cotransporter, member 8	-1.798	6.26E-07
67299	Dock7	dedicator of cytokinesis 7	-1.798	6.23E-03
68481	Mpzl1	myelin protein zero-like 1	-1.800	4.00E-04
407823	Baz2B	bromodomain adjacent to zinc finger domain, 2B	-1.801	2.34E-03
234023	Arglu1	arginine and glutamate rich 1	-1.803	3.96E-05
26413	Mapk1	mitogen-activated protein kinase 1	-1.804	7.75E-03
277010	Marveld1	MARVEL domain containing 1	-1.804	4.04E-05
11856	Arhgap6	Rho GTPase activating protein 6	-1.805	4.52E-03
57263	Retnlb	resistin like beta	-1.805	1.87E-03
72465	Znf131	zinc finger protein 131	-1.805	8.53E-04
237339	L3Mbt13	l(3)mbt-like 3 (Drosophila)	-1.806	8.30E-04
18669	Abcb1B	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	-1.808	1.11E-07
67781	Ilf2	interleukin enhancer binding factor 2, 45kDa	-1.809	4.64E-03
68505	C11Orf2	chromosome 11 open reading frame 2	-1.811	3.41E-04
22289	Kdm6A	lysine (K)-specific demethylase 6A	-1.813	1.95E-05
14852	Gspt1	G1 to S phase transition 1	-1.814	1.90E-02
80289	Lysmd3	LysM, putative peptidoglycan-binding, domain containing 3	-1.814	1.93E-03
69792	Med6	mediator complex subunit 6	-1.815	2.88E-05
23921	Sh2B2	SH2B adaptor protein 2	-1.816	6.79E-03
22019	Tpp2	tripeptidyl peptidase II	-1.818	2.15E-06
51796	Srrm1	serine/arginine repetitive matrix 1	-1.818	2.48E-04
14194	Fh	fumarate hydratase	-1.819	2.61E-05
20527	Slc2A3	solute carrier family 2 (facilitated glucose transporter), member 3	-1.819	6.21E-04
68750	Rreb1	ras responsive element binding protein 1	-1.820	1.24E-02
224697	Adamts10	ADAM metallopeptidase with thrombospondin type 1 motif, 10	-1.821	4.03E-03
229227	Kiaa1109	KIAA1109	-1.821	1.14E-03
18613	Pecam1	platelet/endothelial cell adhesion molecule	-1.823	3.99E-04
20460	Stil	SCL/TAL1 interrupting locus	-1.823	2.04E-02
54132	Sos1	son of sevenless homolog 1 (Drosophila)	-1.823	6.26E-03
13669	Eif3A	eukaryotic translation initiation factor 3, subunit A	-1.824	4.13E-02
12453	Ccni	cyclin I	-1.825	2.08E-05
56278	Grik1	glutamate receptor, ionotropic, kainate 1	-1.825	2.02E-03
241447	Lass6	LAG1 homolog, ceramide synthase 6	-1.826	1.30E-04
66912	Bzw2	basic leucine zipper and W2 domains 2	-1.830	7.90E-03
13070	Cyp11A1	cytochrome P450, family 11, subfamily A, polypeptide 1	-1.831	1.00E-03
22083	Ctr9	Ctr9, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	-1.831	8.07E-06
56306	Loc305103	cell surface glycoprotein gp42	-1.831	1.74E-03
269881	Map3K10	mitogen-activated protein kinase kinase kinase 10	-1.833	1.64E-03
74117	Actr3	ARP3 actin-related protein 3 homolog (yeast)	-1.834	1.24E-02
225215	Rsl24D1	ribosomal L24 domain containing 1	-1.834	2.06E-03
329977	Fhad1	forkhead-associated (FHA) phosphopeptide binding domain 1	-1.834	3.98E-04
22003	Tpm1	tropomyosin 1 (alpha)	-1.835	1.15E-02
26951	Zw10	ZW10, kinetochore associated, homolog (Drosophila)	-1.835	4.91E-04
209018	Vps8	vacuolar protein sorting 8 homolog (S. cerevisiae)	-1.837	5.98E-06
331623	Bend3	BEN domain containing 3	-1.837	2.23E-06
21453	Tcof1	Treacher Collins-Franceschetti syndrome 1	-1.839	4.66E-03
67466	Pdcl	phosducin-like	-1.839	1.09E-02

215705	Arrdc1	arrestin domain containing 1	-1.840	1.28E-02
232314	Ppp4R2	protein phosphatase 4, regulatory subunit 2	-1.840	3.52E-03
246179	Fktn	fukutin	-1.840	6.77E-06
12702	Socs3	suppressor of cytokine signaling 3	-1.847	7.31E-04
14268	Fn1	fibronectin 1	-1.848	9.00E-03
72674	Adipor1	adiponectin receptor 1	-1.849	1.07E-05
19651	Rbl2	retinoblastoma-like 2 (p130)	-1.851	2.28E-04
23988	Pin1	peptidylprolyl cis/trans isomerase, NIMA-interacting 1	-1.852	7.11E-04
70999	Naa40	N(alpha)-acetyltransferase 40, NatD catalytic subunit, homolog (<i>S. cerevisiae</i>)	-1.852	1.27E-04
72729	Cdc42Se2	CDC42 small effector 2	-1.852	1.58E-05
229663	Csde1	cold shock domain containing E1, RNA-binding	-1.852	3.53E-04
56419	Diaph3	diaphanous homolog 3 (<i>Drosophila</i>)	-1.853	9.72E-03
19303	Pxn	paxillin	-1.854	4.41E-03
56086	Cela2A	chymotrypsin-like elastase family, member 2A	-1.854	3.85E-04
71876	Mlf1Ip	MLF1 interacting protein	-1.856	4.81E-04
104732	C14Orf80	chromosome 14 open reading frame 80	-1.857	6.10E-06
16202	Ilk	integrin-linked kinase	-1.861	4.08E-04
67298	Gprasp1	G protein-coupled receptor associated sorting protein 1	-1.861	4.33E-04
72475	Ssbp3	single stranded DNA binding protein 3	-1.861	7.32E-07
17215	Mcm3	minichromosome maintenance complex component 3	-1.862	2.35E-02
66471	Anp32E	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	-1.863	3.29E-02
68275	Rpa1	replication protein A1, 70kDa	-1.865	9.82E-03
74158	Josd1	Josephin domain containing 1	-1.865	3.86E-06
98496	Pid1	phosphotyrosine interaction domain containing 1	-1.865	8.04E-06
14169	Fgf14	fibroblast growth factor 14	-1.866	1.03E-04
22589	Atrx	alpha thalassemia/mental retardation syndrome X-linked (<i>RAD54</i> homolog, <i>S. cerevisiae</i>)	-1.867	2.38E-04
19285	Ptrf	polymerase I and transcript release factor	-1.869	1.25E-02
77048	Ccdc41	coiled-coil domain containing 41	-1.869	1.98E-03
73198	Nin	ninein (<i>GSK3B</i> interacting protein)	-1.871	1.33E-03
18081	Ninj1	ninjurin 1	-1.875	1.59E-03
56177	Gabra3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	-1.875	2.80E-02
76740	Efr3A	EFR3 homolog A (<i>S. cerevisiae</i>)	-1.876	6.51E-03
619605	Zcchc17	zinc finger, CCHC domain containing 17	-1.876	2.63E-03
12450	Ccng1	cyclin G1	-1.879	3.85E-03
76967	Kiaa0586	KIAA0586	-1.880	7.89E-03
21803	Tgfb1	transforming growth factor, beta 1	-1.882	2.47E-04
233575	Pgap2	post-GPI attachment to proteins 2	-1.883	6.69E-04
19231	Ptma	prothymosin, alpha	-1.886	3.02E-03
70686	Dusp16	dual specificity phosphatase 16	-1.888	5.40E-05
12530	Cdc25A	cell division cycle 25 homolog A (<i>S. pombe</i>)	-1.891	1.17E-02
17975	Ncl	nucleolin	-1.895	7.18E-05
67117	Dynlt3	dynein, light chain, Tctex-type 3	-1.895	1.01E-03
237246	Bc022960	cDNA sequence BC022960	-1.895	4.42E-04
15251	Hif1A	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	-1.900	2.34E-04
67533	Ppfibp1	PTPRF interacting protein, binding protein 1 (liprin beta 1)	-1.900	6.93E-06
72503	Kiaa0100	KIAA0100	-1.900	1.47E-04
66961	Neat1	nuclear paraspeckle assembly transcript 1 (non-protein coding)	-1.901	1.17E-04
20492	Slbp	stem-loop binding protein	-1.904	4.40E-04
12226	Btg1	B-cell translocation gene 1, anti-proliferative	-1.905	3.58E-04
11975	Atp6V0A1	ATPase, H+ transporting, lysosomal V0 subunit a1	-1.907	1.23E-05
13709	Elf1	E74-like factor 1 (ets domain transcription factor)	-1.908	1.01E-03
17998	Znf618	zinc finger protein 618	-1.909	1.53E-03
226757	Wdr26	WD repeat domain 26	-1.909	4.64E-06
66073	Txndc12	thioredoxin domain containing 12 (endoplasmic reticulum)	-1.912	2.28E-06
16978	Lrrfip1	leucine rich repeat (in FLII) interacting protein 1	-1.915	3.85E-05
66700	Vps24	vacuolar protein sorting 24 homolog (<i>S. cerevisiae</i>)	-1.915	4.64E-06
16647	Kpna2	karyopherin alpha 2 (<i>RAG</i> cohort 1, importin alpha 1)	-1.916	4.19E-02
66442	Spc25	SPC25, NDC80 kinetochore complex component, homolog (<i>S. cerevisiae</i>)	-1.917	3.30E-02
74549	Kiaa0892	KIAA0892	-1.919	1.96E-05
16468	Jarid2	jumonji, AT rich interactive domain 2	-1.921	1.96E-07
29875	Iqgap1	IQ motif containing GTPase activating protein 1	-1.921	1.10E-02
67724	Psma1	proteasome (prosome, macropain) subunit, alpha type, 1	-1.921	1.96E-02
19267	Ptpre	protein tyrosine phosphatase, receptor type, E	-1.925	8.38E-05
11910	Atf3	activating transcription factor 3	-1.927	2.41E-02
16170	Il16	interleukin 16 (lymphocyte chemoattractant factor)	-1.927	3.02E-02

69110	Lrrc58	leucine rich repeat containing 58	-1.927	3.26E-03
73181	Nfatc4	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	-1.928	1.24E-06
225523	Cep120	centrosomal protein 120kDa	-1.928	3.13E-05
20111	Rps6Ka1	ribosomal protein S6 kinase, 90kDa, polypeptide 1	-1.929	7.41E-03
67434	Ankrd33B	ankyrin repeat domain 33B	-1.935	1.40E-02
67382	Brd3	bromodomain containing 3	-1.936	1.21E-03
108912	Cdca2	cell division cycle associated 2	-1.937	1.92E-03
53333	Ncam1	neural cell adhesion molecule 1	-1.939	6.87E-03
231051	Mll3	myeloid/lymphoid or mixed-lineage leukemia 3	-1.939	1.19E-06
54624	Paf1	Paf1, RNA polymerase II associated factor, homolog (S. cerevisiae)	-1.940	4.99E-06
50793	Orc3L	origin recognition complex, subunit 3-like (yeast)	-1.944	9.15E-07
14545	Gdap1	ganglioside-induced differentiation-associated protein 1	-1.947	1.08E-04
18516	Pbx3	pre-B-cell leukemia homeobox 3	-1.948	1.38E-06
22228	Ucp2	uncoupling protein 2 (mitochondrial, proton carrier)	-1.951	2.16E-03
214469	Fam168B	family with sequence similarity 168, member B	-1.951	3.06E-07
102193	Zdhhc7	zinc finger, DHHC-type containing 7	-1.953	8.84E-04
12043	Bcl2	B-cell CLL/lymphoma 2	-1.955	4.67E-03
13555	E2F1	E2F transcription factor 1	-1.957	1.14E-02
234549	Heatr3	HEAT repeat containing 3	-1.959	1.04E-02
66629	Golph3	golgi phosphoprotein 3 (coat-protein)	-1.962	7.20E-04
12591	Cdx2	caudal type homeobox 2	-1.963	3.52E-05
18099	Nlk	nemo-like kinase	-1.963	7.21E-06
74022	Glyr1	glyoxylate reductase 1 homolog (Arabidopsis)	-1.963	1.51E-04
93742	Pard3	par-3 partitioning defective 3 homolog (C. elegans)	-1.964	1.03E-07
26909	Exo1	exonuclease 1	-1.966	1.20E-02
50518	Cox4I1	cytochrome c oxidase subunit IV isoform 1	-1.966	2.42E-04
74326	Hnrnpr	heterogeneous nuclear ribonucleoprotein R	-1.966	1.40E-05
13185	Dscr3	Down syndrome critical region gene 3	-1.967	4.49E-03
104570	Smek2	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	-1.967	7.40E-06
268878	Atp13A5	ATPase type 13A5	-1.967	1.47E-05
15502	Dnaja1	DnaJ (Hsp40) homolog, subfamily A, member 1	-1.970	7.00E-04
21858	Timp2	TIMP metalloproteinase inhibitor 2	-1.975	2.68E-06
23874	Acaa1	acetyl-CoA acyltransferase 1	-1.975	4.68E-06
67345	Herc4	hect domain and RLD 4	-1.975	3.61E-03
11855	Arhgap5	Rho GTPase activating protein 5	-1.985	1.47E-03
13512	Dsg3	desmoglein 3 (pemphigus vulgaris antigen)	-1.985	2.06E-03
70646	Naa30	N(alpha)-acetyltransferase 30, NatC catalytic subunit	-1.986	1.05E-03
227541	Camk1D	calcium/calmodulin-dependent protein kinase ID	-1.986	3.39E-05
217333	Trim47	tripartite motif-containing 47	-1.988	1.39E-03
20238	Atxn1	ataxin 1	-1.989	1.99E-05
232341	Wnk1	WNK lysine deficient protein kinase 1	-1.990	2.43E-05
67951	Tubb6	tubulin, beta 6	-1.993	6.38E-03
12491	Cd36	CD36 molecule (thrombospondin receptor)	-1.994	1.51E-02
19777	C19Orf2	chromosome 19 open reading frame 2	-1.994	2.55E-07
105787	Prkaa1	protein kinase, AMP-activated, alpha 1 catalytic subunit	-1.997	1.55E-03
211914	Fbxl12	F-box and leucine-rich repeat protein 12	-1.997	2.76E-06
219072	Haus4	HAUS augmin-like complex, subunit 4	-1.997	4.07E-05
233833	Tnrc6A	trinucleotide repeat containing 6A	-1.997	2.45E-03
246103	Atxn7	ataxin 7	-1.997	9.76E-05
12631	Cfl1	cofilin 1 (non-muscle)	-1.999	4.76E-02
22631	Ywhaz	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	-1.999	4.36E-03
15209	Hesx1	HESX homeobox 1	-2.001	2.22E-04
110094	Phka2	phosphorylase kinase, alpha 2 (liver)	-2.001	1.79E-06
22333	Vdac1	voltage-dependent anion channel 1	-2.003	1.52E-03
69780	Smap2	small ArfGAP2	-2.004	1.90E-06
12428	Ccna2	cyclin A2	-2.006	3.25E-02
12448	Ccne2	cyclin E2	-2.007	1.34E-02
99650	C1Orf43	chromosome 1 open reading frame 43	-2.008	9.85E-05
230257	Rod1	ROD1 regulator of differentiation 1 (S. pombe)	-2.011	2.28E-06
19225	Ptgs2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	-2.015	7.88E-03
74132	Rnf6	ring finger protein (C3H2C3 type) 6	-2.017	1.49E-04
69534	Avpi1	arginine vasopressin-induced 1	-2.018	7.95E-04
213053	Slc39A14	solute carrier family 39 (zinc transporter), member 14	-2.020	7.20E-03
217119	Xylt2	xylosyltransferase II	-2.024	1.23E-02
69188	Mll5	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	-2.025	3.19E-03
67141	Fbxo5	F-box protein 5	-2.027	2.92E-03

227290	Aamp	angio-associated, migratory cell protein	-2.027	3.54E-05
13136	Cd55	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	-2.029	1.89E-06
54004	Nudt19	nudix (nucleoside diphosphate linked moiety X)-type motif 19	-2.029	1.24E-06
381038	Parl	presenilin associated, rhomboid-like	-2.031	6.05E-06
13032	Ctsc	cathepsin C	-2.032	4.09E-04
13982	Esr1	estrogen receptor 1	-2.032	4.61E-05
14775	Gpx1	glutathione peroxidase 1	-2.032	6.96E-05
56452	Orc6L	origin recognition complex, subunit 6 like (yeast)	-2.034	2.60E-03
224671	Btbtd9	BTB (POZ) domain containing 9	-2.034	4.69E-04
66855	Tcf25	transcription factor 25 (basic helix-loop-helix)	-2.035	1.40E-06
212391	Myl2	myosin, light chain 2, regulatory, cardiac, slow	-2.036	1.21E-03
234353	Psd3	pleckstrin and Sec7 domain containing 3	-2.036	5.16E-04
54124	Cks1B	CDC28 protein kinase regulatory subunit 1B	-2.042	9.79E-03
73836	Slc35B2	solute carrier family 35, member B2	-2.043	3.89E-06
252870	Usp7	ubiquitin specific peptidase 7 (herpes virus-associated)	-2.045	5.33E-04
380959	Alg10	asparagine-linked glycosylation 10, alpha-1,2-glucosyltransferase homolog (S. pombe)	-2.045	1.22E-02
216705	Clint1	clathrin interactor 1	-2.049	6.19E-04
231713	Cckar	cholecystokinin A receptor	-2.049	7.52E-06
70025	Acot7	acyl-CoA thioesterase 7	-2.051	2.44E-04
14173	Fgf2	fibroblast growth factor 2 (basic)	-2.052	1.75E-04
20317	Serpinf1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	-2.056	1.47E-02
21855	Timm17B	translocase of inner mitochondrial membrane 17 homolog B (yeast)	-2.059	3.99E-03
66653	Brf2	BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like	-2.059	1.16E-05
12394	Runx1	runt-related transcription factor 1	-2.061	1.85E-04
69241	Polr2D	polymerase (RNA) II (DNA directed) polypeptide D	-2.061	6.95E-05
74838	Naa15	N(alpha)-acetyltransferase 15, NatA auxiliary subunit	-2.062	4.04E-03
15926	Idh1	isocitrate dehydrogenase 1 (NADP+), soluble	-2.063	1.76E-04
20174	Ruvbl2	RuvB-like 2 (E. coli)	-2.065	4.09E-04
22143	Tuba1B	tubulin, alpha 1b	-2.065	2.26E-03
15381	Hnrnpc	heterogeneous nuclear ribonucleoprotein C (C1/C2)	-2.066	8.19E-05
18584	Pde8A	phosphodiesterase 8A	-2.066	4.46E-05
20230	Satb1	SATB homeobox 1	-2.066	2.98E-02
20409	Ostf1	osteoclast stimulating factor 1	-2.068	1.14E-05
12449	Ccnf	cyclin F	-2.071	1.13E-02
16477	Junb	jun B proto-oncogene	-2.072	5.06E-03
12156	Bmp2	bone morphogenetic protein 2	-2.073	3.38E-02
75786	Ckap5	cytoskeleton associated protein 5	-2.075	1.20E-02
94219	Cnm2	cyclin M2	-2.079	1.07E-04
16568	Kif3A	kinesin family member 3A	-2.083	5.79E-04
170772	Glcci1	glucocorticoid induced transcript 1	-2.086	3.49E-04
24059	Slco2A1	solute carrier organic anion transporter family, member 2A1	-2.088	2.13E-04
68833	Pdcl3	phosducin-like 3	-2.089	2.82E-06
11737	Anp32A	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	-2.091	1.43E-05
27221	Chaf1A	chromatin assembly factor 1, subunit A (p150)	-2.091	1.99E-02
108148	Galnt2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2)	-2.091	1.39E-04
51789	Cebpg	CCAAT/enhancer binding protein (C/EBP), gamma	-2.097	5.59E-08
14056	Ezh2	enhancer of zeste homolog 2 (Drosophila)	-2.098	8.33E-03
14121	Fbp1	fructose-1,6-bisphosphatase 1	-2.098	2.29E-03
65970	Lima1	LIM domain and actin binding 1	-2.098	5.64E-03
71085	Arhgap19	Rho GTPase activating protein 19	-2.101	4.14E-08
67226	Tmem19	transmembrane protein 19	-2.105	2.68E-05
12832	Col5A2	collagen, type V, alpha 2	-2.107	1.03E-04
71340	Riok1	RIO kinase 1 (yeast)	-2.111	5.80E-04
107823	Whsc1	Wolf-Hirschhorn syndrome candidate 1	-2.111	3.59E-03
30939	Dmd	dystrophin	-2.116	1.25E-02
76582	Ipo11	importin 11	-2.116	2.23E-02
118445	Klf16	Kruppel-like factor 16	-2.117	1.33E-06
56431	Dstn	destrin (actin depolymerizing factor)	-2.118	2.23E-04
76014	Zc3H18	zinc finger CCCH-type containing 18	-2.118	3.55E-03
319340	Fam126B	family with sequence similarity 126, member B	-2.118	3.41E-06
23831	Ca14	carbonic anhydrase XIV	-2.120	7.38E-06
93687	Csnk1A1	casein kinase 1, alpha 1	-2.121	1.78E-05
15476	Hs3St1	heparan sulfate (glucosamine) 3-O-sulfotransferase 1	-2.124	9.85E-05

277250	Kdm3B	lysine (K)-specific demethylase 3B	-2.124	7.42E-07
110796	Tshz1	teashirt zinc finger homeobox 1	-2.126	7.28E-05
545389	Rab3D	RAB3D, member RAS oncogene family	-2.126	8.85E-04
20833	Ssrp1	structure specific recognition protein 1	-2.132	4.75E-04
66980	Zdhhc6	zinc finger, DHHC-type containing 6	-2.132	3.52E-03
56420	Igf2	insulin-like growth factor 2 (somatomedin A)	-2.136	1.69E-05
217869	Eif5	eukaryotic translation initiation factor 5	-2.138	1.56E-05
18139	Znf638	zinc finger protein 638	-2.141	8.11E-04
20917	Suclg2	succinate-CoA ligase, GDP-forming, beta subunit	-2.144	4.35E-03
21923	Tnc	tenascin C	-2.144	3.42E-03
12725	Clcn3	chloride channel 3	-2.145	1.85E-06
237911	Brip1	BRCA1 interacting protein C-terminal helicase 1	-2.145	4.11E-03
14450	Gart	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase	-2.147	1.42E-05
231801	Agfg2	ArfGAP with FG repeats 2	-2.148	1.36E-04
381280	Hjurp	Holliday junction recognition protein	-2.148	6.34E-04
12771	Ccr3	chemokine (C-C motif) receptor 3	-2.149	1.38E-05
14211	Smc2	structural maintenance of chromosomes 2	-2.155	1.17E-02
15275	Hk1	hexokinase 1	-2.161	9.84E-03
20586	Smarca4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	-2.163	9.30E-05
29877	Hdgfrp3	hepatoma-derived growth factor, related protein 3	-2.172	5.35E-07
66942	Ddx18	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	-2.173	8.18E-03
116913	Tpbpb	trophoblast specific protein beta	-2.176	4.71E-02
14544	Gda	guanine deaminase	-2.181	2.09E-02
52357	Wwc2	WW and C2 domain containing 2	-2.193	4.76E-07
16402	Itga5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	-2.196	8.85E-03
71148	Mier1	mesoderm induction early response 1 homolog (<i>Xenopus laevis</i>)	-2.196	2.52E-03
216350	Tspan8	tetraspanin 8	-2.201	1.27E-04
208628	Kntc1	kinetochore associated 1	-2.208	1.84E-03
242291	Impad1	inositol monophosphatase domain containing 1	-2.210	1.24E-03
16443	Itsn1	intersectin 1 (SH3 domain protein)	-2.213	5.17E-07
231834	Snx8	sorting nexin 8	-2.213	1.05E-06
19891	Rpa2	replication protein A2, 32kDa	-2.215	2.90E-04
20687	Sp3	Sp3 transcription factor	-2.218	7.69E-05
59009	Sh3Rf1	SH3 domain containing ring finger 1	-2.221	1.46E-03
66964	Golt1B	golgi transport 1 homolog B (<i>S. cerevisiae</i>)	-2.222	6.77E-03
81877	Tnxb	tenascin XB	-2.222	3.19E-04
70974	Pgm2L1	phosphoglucomutase 2-like 1	-2.224	3.57E-07
105988	Espl1	extra spindle pole bodies homolog 1 (<i>S. cerevisiae</i>)	-2.225	5.62E-04
12721	Coro1A	coronin, actin binding protein, 1A	-2.227	2.68E-05
24061	Smc1A	structural maintenance of chromosomes 1A	-2.230	7.77E-04
12503	Cd247	CD247 molecule	-2.233	2.51E-07
12505	Cd44	CD44 molecule (Indian blood group)	-2.238	3.96E-06
20259	Scin	scinderin	-2.241	5.41E-03
20731	Spink4	serine peptidase inhibitor, Kazal type 4	-2.242	3.12E-05
15403	Hoxa6	homeobox A6	-2.247	9.52E-05
217944	Rapgef5	Rap guanine nucleotide exchange factor (GEF) 5	-2.258	1.79E-06
245474	Dkc1	dyskeratosis congenita 1, dyskerin	-2.258	4.34E-02
52276	Cdca8	cell division cycle associated 8	-2.259	9.57E-03
54670	Atp8B1	ATPase, aminophospholipid transporter, class I, type 8B, member 1	-2.264	2.51E-03
18720	Pip5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	-2.267	1.23E-05
233489	Picalm	phosphatidylinositol binding clathrin assembly protein	-2.285	4.08E-03
19387	Chadl	chondroadherin-like	-2.286	2.18E-03
51800	Bok	BCL2-related ovarian killer	-2.286	1.88E-02
12995	Csnk2A1	casein kinase 2, alpha 1 polypeptide	-2.296	1.60E-05
70579	Zc3H11A	zinc finger CCCH-type containing 11A	-2.296	3.26E-04
70024	Mcm10	minichromosome maintenance complex component 10	-2.304	6.86E-03
19366	Rad54L	RAD54-like (<i>S. cerevisiae</i>)	-2.305	3.61E-03
106342	Atp13A3	ATPase type 13A3	-2.307	5.10E-04
76199	Med13L	mediator complex subunit 13-like	-2.312	6.10E-06
107568	Wwp1	WW domain containing E3 ubiquitin protein ligase 1	-2.312	5.23E-03
225131	Wac	WW domain containing adaptor with coiled-coil	-2.313	1.42E-05
18132	Notch4	Notch homolog 4 (<i>Drosophila</i>)	-2.323	1.29E-05
101592	Eftud1	elongation factor Tu GTP binding domain containing 1	-2.333	3.32E-06
57258	Xpo4	exportin 4	-2.342	5.93E-05
103554	Psme4	proteasome (prosome, macropain) activator subunit 4	-2.346	1.28E-03
233315	Mtmr10	myotubularin related protein 10	-2.351	1.28E-04

67196	Ube2T	ubiquitin-conjugating enzyme E2T (putative)	-2.355	8.78E-03
67216	Mboat2	membrane bound O-acyltransferase domain containing 2	-2.357	2.61E-02
108155	Ogt	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	-2.360	2.63E-04
73086	Rps6Ka5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	-2.369	1.24E-06
14678	Gnai2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	-2.370	3.15E-04
17268	Meis1	Meis homeobox 1	-2.380	2.16E-02
14312	Brd2	bromodomain containing 2	-2.388	6.69E-07
59125	Nek7	NIMA (never in mitosis gene a)-related kinase 7	-2.395	1.41E-04
50934	Slc7A8	solute carrier family 7 (amino acid transporter, L-type), member 8	-2.398	6.43E-05
64898	Lpin2	lipin 2	-2.402	2.41E-04
381101	C6Orf108	chromosome 6 open reading frame 108	-2.407	1.97E-02
14933	Gk	glycerol kinase	-2.408	2.00E-02
57257	Vcsa1	variable coding sequence A1	-2.408	4.94E-04
110749	Chaf1B	chromatin assembly factor 1, subunit B (p60)	-2.410	3.41E-02
21454	Tcp1	t-complex 1	-2.413	4.77E-03
620419	9830167H18Rik	RIKEN cDNA 9830167H18 gene	-2.415	3.52E-05
21335	Tacc3	transforming, acidic coiled-coil containing protein 3	-2.423	5.82E-03
192176	Glb1	galactosidase, beta 1	-2.427	3.64E-03
66197	Cks2	CDC28 protein kinase regulatory subunit 2	-2.430	1.66E-03
208922	Cpeb3	cytoplasmic polyadenylation element binding protein 3	-2.430	1.90E-05
76707	Clasp1	cytoplasmic linker associated protein 1	-2.432	5.21E-07
217039	Ggnbp2	gametogenetin binding protein 2	-2.432	4.49E-06
12447	Ccne1	cyclin E1	-2.433	7.98E-03
232441	Rerg	RAS-like, estrogen-regulated, growth inhibitor	-2.435	7.31E-03
16180	Il1Rap	interleukin 1 receptor accessory protein	-2.437	3.22E-03
21969	Top1	topoisomerase (DNA) I	-2.437	6.11E-08
20135	Rrm2	ribonucleotide reductase M2	-2.442	2.17E-03
67037	Pmf1	polyamine-modulated factor 1	-2.449	1.89E-03
70097	Sash1	SAM and SH3 domain containing 1	-2.454	6.77E-04
20638	Snrpb	small nuclear ribonucleoprotein polypeptides B and B1	-2.462	9.94E-04
170719	Oxr1	oxidation resistance 1	-2.464	2.23E-06
226144	Erlin1	ER lipid raft associated 1	-2.474	4.62E-06
207165	Bptf	bromodomain PHD finger transcription factor	-2.479	7.89E-08
68549	Sgol2	shugoshin-like 2 (S. pombe)	-2.490	1.21E-02
27373	Csnk1E	casein kinase 1, epsilon	-2.493	6.07E-04
66934	Dsn1	DSN1, MIND kinetochore complex component, homolog (S. cerevisiae)	-2.493	2.14E-02
67771	Arpc5	actin related protein 2/3 complex, subunit 5, 16kDa	-2.493	5.93E-04
71819	Kif23	kinesin family member 23	-2.495	2.52E-03
17874	Myd88	myeloid differentiation primary response gene (88)	-2.498	1.42E-05
11426	Macf1	microtubule-actin crosslinking factor 1	-2.500	1.24E-08
26932	Ppp2R5E	protein phosphatase 2, regulatory subunit B', epsilon isoform	-2.500	3.97E-09
12443	Ccnd1	cyclin D1	-2.502	6.84E-03
15519	Hsp90Aa1	heat shock protein 90kDa alpha (cytosolic), class A member 1	-2.502	2.74E-03
72313	Fryl	FRY-like	-2.505	1.68E-07
331563	C130006E23	hypothetical protein C130006E23	-2.519	2.60E-03
15200	Hbegf	heparin-binding EGF-like growth factor	-2.526	1.74E-04
12367	Casp3	caspace 3, apoptosis-related cysteine peptidase	-2.532	1.84E-04
26356	Ing1	inhibitor of growth family, member 1	-2.535	1.04E-06
74252	Armc1	armadillo repeat containing 1	-2.535	8.31E-05
106582	Nrm	nurim (nuclear envelope membrane protein)	-2.535	1.46E-04
21841	Tia1	TIA1 cytotoxic granule-associated RNA binding protein	-2.546	5.04E-07
26885	Casp8Ap2	caspace 8 associated protein 2	-2.546	6.01E-04
17118	Marcks	myristoylated alanine-rich protein kinase C substrate	-2.547	7.31E-06
80912	Pum1	pumilio homolog 1 (Drosophila)	-2.549	1.72E-05
17122	Mxd4	MAX dimerization protein 4	-2.551	1.50E-03
14693	Gnb2	guanine nucleotide binding protein (G protein), beta polypeptide 2	-2.554	1.79E-05
192196	Luc7L2	LUC7-like 2 (S. cerevisiae)	-2.562	1.30E-04
16431	Itm2A	integral membrane protein 2A	-2.565	9.13E-05
21973	Top2A	topoisomerase (DNA) II alpha 170kDa	-2.567	2.23E-02
51869	Rif1	RAP1 interacting factor homolog (yeast)	-2.567	2.25E-02
18024	Nfe2L2	nuclear factor (erythroid-derived 2)-like 2	-2.570	8.70E-04
17246	Mdm2	Mdm2 p53 binding protein homolog (mouse)	-2.574	2.88E-03
54392	Ncapg	non-SMC condensin I complex, subunit G	-2.578	6.86E-04

268996	Ss18	synovial sarcoma translocation, chromosome 18	-2.579	8.32E-05
56389	Itpka	inositol 1,4,5-trisphosphate 3-kinase A	-2.594	9.56E-04
17765	Mtf2	metal response element binding transcription factor 2	-2.595	8.74E-05
101943	Sf3B3	splicing factor 3b, subunit 3, 130kDa	-2.595	7.47E-07
16332	Inpp1	inositol polyphosphate phosphatase-like 1	-2.599	1.14E-04
19060	Ppp5C	protein phosphatase 5, catalytic subunit	-2.599	1.33E-04
66949	Trim59	tripartite motif-containing 59	-2.601	3.79E-03
67263	Zswim6	zinc finger, SWIM-type containing 6	-2.603	1.25E-04
17965	Nbl1	neuroblastoma, suppression of tumorigenicity 1	-2.604	4.72E-02
230654	Lrrc41	leucine rich repeat containing 41	-2.612	3.37E-04
170744	Tlr8	toll-like receptor 8	-2.615	1.23E-04
11518	Add1	adducin 1 (alpha)	-2.628	2.09E-06
76915	Mnd1	meiotic nuclear divisions 1 homolog (S. cerevisiae)	-2.634	4.41E-03
18674	Slc25A3	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	-2.637	1.83E-03
98053	Gtf2F1	general transcription factor IIF, polypeptide 1, 74kDa	-2.639	7.93E-04
15354	Hmgb3	high-mobility group box 3	-2.648	4.12E-03
13681	Eif4A1	eukaryotic translation initiation factor 4A1	-2.663	2.82E-03
72750	Fam117B	family with sequence similarity 117, member B	-2.663	1.83E-05
106795	Tcf19	transcription factor 19	-2.676	5.97E-03
71865	Fbxo30	F-box protein 30	-2.678	2.09E-06
14229	Fkbp5	FK506 binding protein 5	-2.681	1.35E-02
347722	Agap1	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1	-2.681	9.96E-06
12580	Cdkn2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	-2.689	4.78E-04
18591	Pdgfb	platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)	-2.693	3.98E-04
384077	Pramef13	PRAME family member 13	-2.696	4.25E-03
21766	Tex261	testis expressed 261	-2.704	2.82E-06
69928	Apitd1	apoptosis-inducing, TAF9-like domain 1	-2.708	4.99E-04
18008	Nes	nestin	-2.709	1.10E-03
16019	Ighm	immunoglobulin heavy constant mu	-2.728	2.66E-02
20405	Sh3GI1	SH3-domain GRB2-like 1	-2.736	3.39E-04
68682	Slc44A2	solute carrier family 44, member 2	-2.738	1.68E-05
58186	Rad18	RAD18 homolog (S. cerevisiae)	-2.740	1.19E-03
194655	Klf11	Kruppel-like factor 11	-2.742	5.40E-10
216965	Taok1	TAO kinase 1	-2.753	1.23E-05
67121	Mastl	microtubule associated serine/threonine kinase-like	-2.757	3.79E-03
68585	Rtn4	reticulum 4	-2.757	7.09E-06
227929	Cytip	cytohesin 1 interacting protein	-2.763	3.02E-02
98386	Lbr	lamin B receptor	-2.766	3.72E-06
22323	Vasp	vasodilator-stimulated phosphoprotein	-2.780	2.44E-06
17158	Man2A1	mannosidase, alpha, class 2A, member 1	-2.786	1.15E-06
76044	Ncapg2	non-SMC condensin II complex, subunit G2	-2.815	1.05E-04
57349	Pbbp	pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)	-2.817	3.55E-07
17216	Mcm2	minichromosome maintenance complex component 2	-2.819	9.31E-03
78655	Eif3J	eukaryotic translation initiation factor 3, subunit J	-2.821	1.63E-04
14235	Foxm1	forkhead box M1	-2.832	6.56E-03
12520	Cd81	CD81 molecule	-2.852	2.71E-07
70373	C14Orf118	chromosome 14 open reading frame 118	-2.852	1.32E-08
22352	Vim	vimentin	-2.854	1.72E-02
12916	Crem	cAMP responsive element modulator	-2.860	4.30E-03
13730	Emp1	epithelial membrane protein 1	-2.862	1.77E-06
228421	Kif18A	kinesin family member 18A	-2.874	6.65E-03
28193	Reep3	receptor accessory protein 3	-2.888	1.75E-06
21817	Tgm2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	-2.894	1.05E-04
20683	Sp1	Sp1 transcription factor	-2.902	7.69E-07
110033	Kif22	kinesin family member 22	-2.904	3.28E-03
21781	Tfdp1	transcription factor Dp-1	-2.906	2.91E-03
16881	Lig1	ligase I, DNA, ATP-dependent	-2.914	2.67E-03
19230	Twf1	twinfilin, actin-binding protein, homolog 1 (Drosophila)	-2.914	3.76E-04
54650	Sfmbt1	Scm-like with four mbt domains 1	-2.920	9.53E-06
110074	Dut	deoxyuridine triphosphatase	-2.922	2.31E-03
319171	Hist1H2Ae	histone cluster 1, H2ae	-2.922	1.56E-08
17279	Melk	maternal embryonic leucine zipper kinase	-2.949	8.93E-03
29870	Thra	thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)	-2.955	3.10E-05
51886	Fubp1	far upstream element (FUSE) binding protein 1	-2.955	1.25E-09
94213	Ddx50	DEAD (Asp-Glu-Ala-Asp) box polypeptide 50	-2.967	2.80E-05

15201	Hells	helicase, lymphoid-specific	-2.969	8.22E-03
16765	Stmn1	stathmin 1	-2.973	5.22E-03
12235	Bub1	budding uninhibited by benzimidazoles 1 homolog (yeast)	-2.990	1.35E-02
68014	Zwilch	Zwilch, kinetochore associated, homolog (Drosophila)	-3.000	1.05E-03
98267	Stk17B	serine/threonine kinase 17b	-3.004	1.61E-04
321022	Cdv3	CDV3 homolog (mouse)	-3.008	1.59E-05
192187	Glb1	galactosidase, beta 1	-3.015	2.56E-03
11501	Adam8	ADAM metallopeptidase domain 8	-3.034	7.98E-07
56150	Mad2L1	MAD2 mitotic arrest deficient-like 1 (yeast)	-3.044	6.31E-03
26934	Racgap1	Rac GTPase activating protein 1	-3.053	3.66E-03
15387	Hnrnpk	heterogeneous nuclear ribonucleoprotein K	-3.076	7.36E-07
20848	Stat3	signal transducer and activator of transcription 3 (acute-phase response factor)	-3.076	7.89E-06
66884	Appbp2	amyloid beta precursor protein (cytoplasmic tail) binding protein 2	-3.099	7.98E-07
211770	Trib1	tribbles homolog 1 (Drosophila)	-3.125	8.53E-05
12606	Cebpa	CCAAT/enhancer binding protein (C/EBP), alpha	-3.141	1.55E-03
16403	Itga6	integrin, alpha 6	-3.187	1.98E-07
13138	Dag1	dystroglycan 1 (dystrophin-associated glycoprotein 1)	-3.189	8.35E-04
12490	Cd34	CD34 molecule	-3.191	4.11E-04
16010	Igfbp4	insulin-like growth factor binding protein 4	-3.200	6.06E-04
74107	Cep55	centrosomal protein 55kDa	-3.220	8.52E-04
20296	Ccl13	chemokine (C-C motif) ligand 13	-3.227	1.68E-03
231464	Adra2C	adrenergic, alpha-2C-, receptor	-3.236	1.81E-07
14284	Fosl2	FOS-like antigen 2	-3.249	4.22E-07
12575	Cdkn1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	-3.265	2.71E-05
14745	Lpar1	lysophosphatidic acid receptor 1	-3.272	6.44E-07
18472	Pafah1B1	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa)	-3.274	4.52E-08
26943	Serinc3	serine incorporator 3	-3.290	4.81E-08
77022	2700099C18Rik	NDC80 homolog, kinetochore complex component pseudogene	-3.292	2.37E-04
23834	Il6	interleukin 6 (interferon, beta 2)	-3.301	3.40E-03
67834	Idh3A	isocitrate dehydrogenase 3 (NAD+) alpha	-3.313	6.04E-03
22319	Vamp3	vesicle-associated membrane protein 3 (cellubrevin)	-3.326	1.74E-03
17121	Mxd3	MAX dimerization protein 3	-3.331	6.65E-03
56403	Ifng	interferon, gamma	-3.357	1.12E-06
218397	Rasa1	RAS p21 protein activator (GTPase activating protein) 1	-3.387	1.76E-07
53791	Prm1	protamine 1	-3.420	3.60E-04
13361	Dhfr	dihydrofolate reductase	-3.425	1.76E-03
12053	Bcl6	B-cell CLL/lymphoma 6	-3.432	6.12E-06
331004	Slc9A9	solute carrier family 9 (sodium/hydrogen exchanger), member 9	-3.432	4.52E-03
14793	Cdca3	cell division cycle associated 3	-3.434	2.24E-03
20220	Sap18	Sin3A-associated protein, 18kDa	-3.444	5.53E-03
230484	Usp1	ubiquitin specific peptidase 1	-3.444	5.04E-03
19674	Rcvrn	recoverin	-3.451	2.52E-07
107272	Psat1	phosphoserine aminotransferase 1	-3.456	9.01E-04
14269	Fnbp1	formin binding protein 1	-3.463	4.12E-05
16150	Ikbkb	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	-3.468	1.22E-04
68365	Rab14	RAB14, member RAS oncogene family	-3.485	1.28E-06
108770	Rc3H1	ring finger and CCCH-type zinc finger domains 1	-3.485	6.97E-06
68817	Ddi2	DNA-damage inducible 1 homolog 2 (S. cerevisiae)	-3.487	1.31E-07
224171	Kiaa1524	KIAA1524	-3.487	4.53E-03
74478	Snx29	sorting nexin 29	-3.494	1.73E-08
16796	Lasp1	LIM and SH3 protein 1	-3.511	1.32E-08
57816	Cyp2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	-3.514	6.06E-03
73945	Otud4	OTU domain containing 4	-3.541	2.87E-03
218977	Dlgap5	discs, large (Drosophila) homolog-associated protein 5	-3.560	3.01E-03
24128	Xrn2	5'-3' exoribonuclease 2	-3.575	4.03E-05
67849	Cdca5	cell division cycle associated 5	-3.578	3.31E-03
216760	Mfap3	microfibrillar-associated protein 3	-3.605	2.02E-06
80914	Uck2	uridine-cytidine kinase 2	-3.643	3.06E-08
66977	Nuf2	NUF2, NDC80 kinetochore complex component, homolog (S. cerevisiae)	-3.658	8.49E-04
226562	Bat2L2	HLA-B associated transcript 2-like 2	-3.660	2.71E-04
13132	Dab2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	-3.663	1.22E-11
18712	Pim1	pim-1 oncogene	-3.668	1.23E-05
11555	Adrb2	adrenergic, beta-2-, receptor, surface	-3.676	3.01E-07

54196	Sry	sex determining region Y	-3.691	3.52E-08
60530	Fignl1	fidgetin-like 1	-3.816	2.36E-03
14674	Gna13	guanine nucleotide binding protein (G protein), alpha 13	-3.821	9.35E-10
17219	Mcm6	minichromosome maintenance complex component 6	-3.826	2.28E-03
20877	Aurkb	aurora kinase B	-3.840	4.00E-04
67300	Cltc	clathrin, heavy chain (Hc)	-3.853	1.11E-04
20849	Stat4	signal transducer and activator of transcription 4	-3.888	1.27E-04
18044	Nfya	nuclear transcription factor Y, alpha	-3.901	1.08E-04
17218	Mcm5	minichromosome maintenance complex component 5	-3.972	3.91E-04
19826	Rnps1	RNA binding protein S1, serine-rich domain	-3.972	7.33E-04
26886	Cenph	centromere protein H	-3.978	1.19E-03
12768	Ccr1	chemokine (C-C motif) receptor 1	-4.025	9.88E-04
114716	Spred2	sprouty-related, EVH1 domain containing 2	-4.025	3.95E-05
18973	Pole	polymerase (DNA directed), epsilon	-4.039	1.45E-03
66140	Ska2	spindle and kinetochore associated complex subunit 2	-4.056	3.39E-03
81898	Sf3B1	splicing factor 3b, subunit 1, 155kDa	-4.067	8.00E-07
12649	Chek1	CHK1 checkpoint homolog (S. pombe)	-4.090	3.03E-03
56456	Actl6A	actin-like 6A	-4.104	7.74E-04
26397	Map2K3	mitogen-activated protein kinase kinase 3	-4.107	7.04E-05
83921	Tmem2	transmembrane protein 2	-4.144	3.27E-07
19291	Purb	purine-rich element binding protein B	-4.150	7.08E-07
20312	Cx3Cl1	chemokine (C-X3-C motif) ligand 1	-4.150	1.02E-04
11964	Atp6V1A	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A	-4.164	5.96E-05
72415	Sgol1	shugoshin-like 1 (S. pombe)	-4.167	2.82E-03
68268	Zdhhc21	zinc finger, DHHC-type containing 21	-4.196	1.75E-06
207818	Smagp	small cell adhesion glycoprotein	-4.205	5.86E-05
211651	Fancd2	Fanconi anemia, complementation group D2	-4.211	8.85E-04
18792	Plau	plasminogen activator, urokinase	-4.287	4.69E-03
67052	Ndc80	NDC80 homolog, kinetochore complex component (S. cerevisiae)	-4.296	2.85E-04
68298	Ncapd2	non-SMC condensin I complex, subunit D2	-4.332	1.43E-03
12475	Cd14	CD14 molecule	-4.341	8.31E-12
67554	Slc25A30	solute carrier family 25, member 30	-4.408	4.30E-06
97808	C79445	tubulin, beta 2a, pseudogene 2	-4.426	2.43E-04
17342	Mitf	microphthalmia-associated transcription factor	-4.519	1.32E-05
97165	Hmgb2	high-mobility group box 2	-4.579	1.84E-05
13660	Ehd1	EH-domain containing 1	-4.588	2.43E-09
94180	Acsbg1	acyl-CoA synthetase bubblegum family member 1	-4.598	1.06E-04
23881	Mapk1	mitogen-activated protein kinase 1	-4.627	4.40E-06
12534	Cdk1	cyclin-dependent kinase 1	-4.688	1.29E-04
107995	Cdc20	cell division cycle 20 homolog (S. cerevisiae)	-4.840	8.22E-04
26417	Mapk3	mitogen-activated protein kinase 3	-4.853	8.75E-05
66923	Pbrm1	polybromo 1	-4.997	9.02E-08
16906	Lmnb1	lamin B1	-5.004	1.54E-03
23872	Ets2	v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)	-5.035	9.35E-12
16176	Il1B	interleukin 1, beta	-5.166	5.85E-03
108000	Cenpf	centromere protein F, 350/400ka (mitosin)	-5.213	5.18E-04
15937	Ier3	immediate early response 3	-5.400	3.84E-05
83815	Cenpq	centromere protein Q	-5.673	2.24E-04
52679	Il4	interleukin 4	-5.913	1.60E-03
13653	Egr1	early growth response 1	-5.922	3.02E-05
12316	Aspm	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	-5.971	5.05E-03
73804	Kif2C	kinesin family member 2C	-6.025	7.59E-04
26406	Map3K3	mitogen-activated protein kinase kinase kinase 3	-6.277	2.30E-08
20971	Sdc4	syndecan 4	-6.294	3.38E-12
18817	Plk1	polo-like kinase 1 (Drosophila)	-6.695	5.92E-04
207214	Larp4	La ribonucleoprotein domain family, member 4	-6.802	2.40E-05
68612	Ube2C	ubiquitin-conjugating enzyme E2C	-6.831	4.90E-05
18140	Uhrf1	ubiquitin-like with PHD and ring finger domains 1	-6.835	5.20E-04
68026	Kiaa0101	KIAA0101	-7.190	1.54E-04
108907	Nusap1	nucleolar and spindle associated protein 1	-7.950	1.47E-04
11723	Amy1A	amylase, alpha 1A (salivary)	-8.248	1.51E-05
68743	Anln	anillin, actin binding protein	-8.288	5.65E-04
52033	Pbk	PDZ binding kinase	-8.480	8.85E-05
66468	Ska1	spindle and kinetochore associated complex subunit 1	-8.773	2.00E-05
14281	Fos	FBJ murine osteosarcoma viral oncogene homolog	-9.120	1.07E-10
12442	Ccnb2	cyclin B2	-11.314	1.08E-05