

Table S2: List of genes detected as differentially expressed in the SAGE experiment. Genes are listed according to descending Z-scores. The 'log<sub>2</sub>(FC)' column displays the log<sub>2</sub>-based value of detected counts. Positive values in this column show higher expression in HR compared to LR, negative values higher expression in LR compared to HR mice (FC = fold change).

Gene symbol	Gene name	log <sub>2</sub> (FC)	Z-score
<b>Rpl26</b>	Ribosomal protein L26	3.32	10.73
<b>Gm10136</b>	Predicted pseudogene 10136	-2.91	9.51
<b>Gm15772</b>	Predicted gene 15772	-2.91	9.51
<b>Anxa5</b>	Annexin A5	5.54	9.51
<b>Nmnat2</b>	Nicotinamide nucleotide adenylyltransferase 2	4.24	9.07
<b>Baiap2l1</b>	BAI1-associated protein 2-like 1	-3.13	7.86
<b>Iqgap2</b>	IQ motif containing GTPase activating protein 2	-3.49	7.79
<b>Thy1</b>	Thymus cell antigen 1, theta	2.38	7.45
<b>Ttr</b>	Transthyretin	2.33	7.18
<b>H47</b>	Histocompatibility 47	4.12	6.98
<b>Psmc3ip</b>	Proteasome (prosome, macropain) 26S subunit, ATPase 3, interacting protein	-2.64	6.80
<b>Krr1</b>	KRR1, small subunit (SSU) processome component, homolog (yeast)	-2.68	6.68
<b>Omg</b>	Oligodendrocyte myelin glycoprotein	1.78	6.44
<b>Rps6</b>	Ribosomal protein S6	2.17	6.43
<b>Ndufb11</b>	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11	2.07	6.43
<b>Nt5dc3</b>	5'-Nucleotidase domain containing 3	-1.62	6.31
<b>Cplx1</b>	Complexin 1	1.89	6.30
<b>Vegfa</b>	Vascular endothelial growth factor A	3.49	6.29
<b>Rps29</b>	Ribosomal protein S29	2.12	6.28
<b>Rpl5</b>	Ribosomal protein L5	2.33	6.11
<b>Slc35b2</b>	Solute carrier family 35, member B2	2.94	6.04
<b>Zfp605</b>	Zinc finger protein 605	-2.67	5.97
<b>Stk10</b>	Serine/threonine kinase 10	3.32	5.67
<b>Lsm14b</b>	LSM14 homolog B (SCD6, <i>S. cerevisiae</i> )	1.83	5.66
<b>Fh1</b>	Fumarate hydratase 1	3.32	5.64
<b>Sdhc</b>	Succinate dehydrogenase complex, subunit C, integral membrane protein	4.42	5.55
<b>Plp1</b>	Proteolipid protein (myelin) 1	1.68	5.44
<b>Atp5o</b>	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, O subunit	1.78	5.38
<b>Pgam1</b>	Phosphoglycerate mutase 1	1.60	5.31
<b>Gm6548</b>	Predicted gene 6548	1.93	5.29
<b>Pdpm</b>	Podoplanin	4.32	5.21
<b>Lefty1</b>	Left right determination factor 1	-4.58	5.15
<b>Atp5h</b>	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit d	1.67	5.12
<b>Masp2</b>	Mannan-binding lectin Serine peptidase 2	5.55	5.05
<b>Ndufa4</b>	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4	1.72	5.05
<b>Mylk4</b>	Myosin light chain kinase family, member 4	-6.38	5.00
<b>Gm5523</b>	Predicted pseudogene 5523	1.92	4.99
<b>Rps25</b>	Ribosomal protein S25	1.39	4.97
<b>Bloc1s2</b>	Biogenesis of lysosome-related organelles complex-1, subunit 2	2.93	4.89
<b>Gbp8</b>	Guanylate-binding protein 8	-4.09	4.79

<b>Ssr2</b>	Signal sequence receptor, beta	1.56	4.73
<b>Fam171b</b>	Family with sequence similarity 171, member B	-1.91	4.71
<b>Mafk</b>	V-maf musculoaponeurotic fibrosarcoma oncogene family, protein K (avian)	-3.23	4.67
<b>Scrg1</b>	Scrapie responsive gene 1	3.81	4.66
<b>Atp6v0d1</b>	ATPase, H <sup>+</sup> transporting, lysosomal V0 subunit D1	1.57	4.65
<b>Gbp4</b>	Guanylate binding protein 4	-2.18	4.61
<b>1500004A13Rik</b>	Riken cDNA 1500004A13 gene	3.50	4.59
<b>H2-t9</b>	Histocompatibility 2, T region locus 9	5.59	4.48
<b>Fam162a</b>	Family with sequence similarity 162, member A	2.46	4.46
<b>Bahd1</b>	Bromo adjacent homology domain containing 1	2.67	4.45
<b>Btf3</b>	Basic transcription factor 3	2.49	4.42
<b>Rpusd1</b>	RNA pseudouridylate synthase domain containing 1	-1.29	4.40
<b>Psmg2</b>	Proteasome (prosome, macropain) assembly chaperone 2	2.56	4.34
<b>Tgtp1</b>	T-cell specific GTPase 1	-2.70	4.20
<b>Gm6225</b>	Predicted gene 6225	-4.32	4.19
<b>Dap3</b>	Death associated protein 3	1.19	4.18
<b>Slc5a5</b>	Solute carrier family 5 (sodium iodide symporter), member 5	-2.01	4.15
<b>Rit2</b>	Ras-like without CAAX 2	-1.11	4.12
<b>Trf</b>	Transferrin	1.20	4.11
<b>Gm13157</b>	Predicted gene 13157	6.46	4.10
<b>Oas2</b>	2'-5' Oligoadenylate synthetase 2	-4.32	4.10
<b>Pdpf</b>	Pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish)Riken cDNA 2700038C09 gene	-1.30	4.08
<b>Igtp</b>	Interferon gamma induced GTPase	-2.01	4.06
<b>Polr2d</b>	Polymerase (RNA) II (DNA directed) polypeptide D	3.15	4.05
<b>Cst3</b>	Cystatin C	1.12	4.03
<b>Ywhab</b>	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	1.32	4.01
<b>Olfr1166</b>	Olfactory receptor 1166	5.00	4.01
<b>Casd1</b>	CAS1 domain containing 1	2.23	3.99
<b>Aldh1l1</b>	Aldehyde dehydrogenase 1 family, member L1	1.31	3.98
<b>Fam185a</b>	Family with sequence similarity 185, member A	2.33	3.98
<b>Cyp4f15</b>	Cytochrome P450, family 4, subfamily f, polypeptide 15	2.95	3.96
<b>Cd74</b>	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)	-1.64	3.96
<b>Snrpc</b>	U1 small nuclear ribonucleoprotein C	1.50	3.91
<b>Ube2ql1</b>	Ubiquitin-conjugating enzyme E2Q family-like 1	1.12	3.90
<b>Cyp4f14</b>	Cytochrome P450, family 4, subfamily f, polypeptide 14	2.33	3.90
<b>Fpr-rs3</b>	Formyl peptide receptor, related sequence 3	4.81	3.86
<b>Zfp345</b>	Zinc finger protein 345	-2.15	3.83
<b>Spag8</b>	Sperm associated antigen 8	-4.09	3.83
<b>Nlrc5</b>	NLR family, CARD domain containing 5	-3.37	3.82
<b>LOC100042049</b>	n. a.	-1.09	3.81
<b>Atp6v1d</b>	ATPase, H <sup>+</sup> transporting, lysosomal V1	1.31	3.80

subunit D			
<b>Tbc1d4</b>	TBC1 domain family, member 4	2.33	3.77
<b>Arl16</b>	ADP-ribosylation factor-like 16	1.74	3.76
<b>Kidins220</b>	Kinase D-interacting substrate 220	1.27	3.75
<b>Hmgcs1</b>	3-Hydroxy-3-methylglutaryl-coenzyme A synthase 1	1.26	3.75
<b>Eif4g3</b>	Eukaryotic translation initiation factor 4 gamma, 3	1.29	3.74
<b>Ctnnb1</b>	Catenin (cadherin associated protein), beta 1	1.09	3.69
<b>Mast3</b>	Microtubule associated Serine/threonine kinase 3	1.36	3.68
<b>Bod1</b>	Biorientation of chromosomes in cell division 1	1.82	3.67
<b>Cdk5rap3</b>	CDK5 regulatory subunit associated protein 3	-1.49	3.67
<b>Actb</b>	Actin, beta	1.21	3.66
<b>Napa</b>	N-Ethylmaleimide sensitive fusion protein attachment protein alpha	1.43	3.66
<b>Atxn7l3</b>	Ataxin 7-like 3	1.26	3.66
<b>Gm15427</b>	Predicted pseudogene 15427	-1.13	3.66
<b>Gvin1</b>	GTPase, very large interferon inducible 1	-2.14	3.65
<b>Prlr</b>	Prolactin receptor	2.12	3.64
<b>Slc22a17</b>	Solute carrier family 22 (organic cation transporter), member 17	1.04	3.63
<b>Ccdc137</b>	Coiled-coil domain containing 137	3.62	3.63
<b>Ift46</b>	Intraflagellar transport 46 homolog (Chlamydomonas)	1.94	3.63
<b>Gm6498</b>	Predicted gene 6498	2.86	3.62
<b>Kars</b>	Lysyl-tRNA synthetase	2.14	3.62
<b>Kif1a</b>	Kinesin family member 1A	1.08	3.61
<b>H2-Eb1</b>	Histocompatibility 2, class II antigen E beta	-2.39	3.60
<b>Ddn</b>	Dendrin	1.14	3.60
<b>Eef1d</b>	Eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	1.68	3.59
<b>Sgip1</b>	SH3-domain GRB2-like (endophilin) interacting protein 1	1.33	3.58
<b>Hbb-b2</b>	Hemoglobin, beta adult minor chain	1.14	3.56
<b>Suclg1</b>	Succinate-CoA ligase, GDP-forming, alpha subunit	1.69	3.54
<b>Snx10</b>	Sorting nexin 10	1.84	3.53
<b>H2-K2</b>	Histocompatibility 2, K region locus 2	-3.75	3.53
<b>AW112010</b>	Expressed sequence AW112010	-1.88	3.51
<b>Zfp788</b>	Zinc finger protein 788	-0.94	3.51
<b>Sec14l1</b>	SEC14-like 1 (S. cerevisiae)	1.18	3.50
<b>Ampd2</b>	Adenosine monophosphate deaminase 2	2.11	3.49
<b>Ccni</b>	Cyclin I	1.10	3.48
<b>Bcap31</b>	B-cell receptor-associated protein 31	1.99	3.48
<b>Slc15a1</b>	Solute carrier family 15 (oligopeptide transporter), member 1	-1.63	3.47
<b>Dtwd2</b>	DTW domain containing 2	-0.95	3.47
<b>Ppp4c</b>	Protein phosphatase 4, catalytic subunit	1.61	3.46
<b>Fez1</b>	Fasciculation and elongation protein zeta 1 (zygin I)	1.61	3.46
<b>Tusc3</b>	Tumor suppressor candidate 3	2.58	3.44
<b>Atp5j</b>	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit F	1.10	3.44
<b>LOC654426</b>	n. a.	1.10	3.44
<b>Etfb</b>	Electron transferring flavoprotein, beta	1.39	3.43

	polypeptide		
<b>Rrp36</b>	Ribosomal RNA processing 36 homolog (S. cerevisiae)	-2.20	3.43
<b>Tuba4a</b>	Tubulin, alpha 4A	1.20	3.42
<b>Neto1</b>	Neuropilin (NRP) and tolloid (TLL)-like 1	1.58	3.42
<b>Ifi203</b>	Interferon activated gene 203	2.03	3.41
<b>Irgm2</b>	Immunity-related GTPase family M member 2	-1.61	3.40
<b>1500015O10Rik</b>	Riken cDNA 1500015O10 gene	1.15	3.40
<b>Pbx4</b>	Pre-B-cell leukemia homeobox 4	-2.26	3.38
<b>Atp9a</b>	ATPase, class II, type 9A	1.58	3.36
<b>Ftl1</b>	Ferritin light chain 1	1.15	3.36
<b>Enpp2</b>	Ectonucleotide pyrophosphatase/phosphodiesterase 2	1.11	3.34
<b>Spast</b>	Spastin	1.14	3.33
<b>Dnajc9</b>	DnaJ (Hsp40) homolog, subfamily C, member 9	2.02	3.32
<b>1810037I17Rik</b>	Riken cDNA 1810037I17 gene	-0.86	3.30
<b>Speg</b>	SPEG complex locus	1.13	3.29
<b>Sqle</b>	Squalene epoxidase	2.60	3.29
<b>Fam100a</b>	Family with sequence similarity 100, member A	1.65	3.28
<b>Abcb1b</b>	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	2.79	3.28
<b>Aco2</b>	Aconitase 2, mitochondrial	1.28	3.26
<b>Tmem176a</b>	Transmembrane protein 176A	2.71	3.25
<b>Thbd</b>	Thrombomodulin	-1.19	3.25
<b>Ap1ar</b>	Adaptor-related protein complex 1 associated regulatory protein	1.93	3.23
<b>LOC547349</b>	n. a.	4.01	3.23
<b>Hpcal4</b>	Hippocalcin-like 4	1.08	3.21
<b>Pdss2</b>	Prenyl (solanesyl) diphosphate synthase, subunit 2	3.27	3.19
<b>Slc4a5</b>	Solute carrier family 4, sodium bicarbonate cotransporter, member 5	2.17	3.18
<b>Klhl9</b>	Kelch-like 9 (Drosophila)	1.11	3.17
<b>Zwint</b>	ZW10 interactor	1.63	3.15
<b>Mfsd6</b>	Major facilitator superfamily domain containing 6	1.07	3.14
<b>Rnf187</b>	Ring finger protein 187	1.27	3.13
<b>Slc27a1</b>	Solute carrier family 27 (fatty acid transporter), member 1	1.25	3.13
<b>Zfp658</b>	Zinc finger protein 658	-1.12	3.13
<b>Synj1</b>	Synaptojanin 1	1.18	3.12
<b>Aars2</b>	Alanyl-tRNA synthetase 2, mitochondrial (putative)	-1.36	3.12
<b>Nomo1</b>	Nodal modulator 1	1.09	3.11
<b>Ppme1</b>	Protein phosphatase methylesterase 1	1.11	3.10
<b>Ttc35</b>	Tetratricopeptide repeat domain 35	1.51	3.10
<b>Btc</b>	Betacellulin, epidermal growth factor family member	-0.82	3.09
<b>Siglec1</b>	Sialic acid binding Ig-like lectin 1, sialoadhesin	-1.42	3.09
<b>Stk25</b>	Serine/threonine kinase 25 (yeast)	-0.76	3.06
<b>Sfrp5</b>	Secreted frizzled-related sequence protein 5	2.40	3.06
<b>Pdcd6</b>	Programmed cell death 6	1.80	3.06
<b>Gnai2</b>	Guanine nucleotide binding protein (G protein), alpha inhibiting 2	1.10	3.05
<b>Rpl38</b>	Ribosomal protein L38	1.08	3.05

<b>Pira6</b>	Paired-Ig-like receptor A6	-3.91	3.04
<b>Clvs2</b>	Clavesin 2	1.86	3.03
<b>Sdhaf1</b>	Succinate dehydrogenase complex assembly factor 1	-0.81	3.02
<b>S1pr1</b>	Sphingosine-1-phosphate receptor 1	0.92	3.02
<b>Git1</b>	G protein-coupled receptor kinase-interactor 1	1.23	3.01
<b>Peg3</b>	Paternally expressed 3	1.18	3.00
<b>Efhd1</b>	EF hand domain containing 1	1.76	3.00
<b>Tmem5</b>	Transmembrane protein 5	2.38	3.00
<b>Serpina3g</b>	Serine (or cysteine) peptidase inhibitor, clade A, member 3G	-0.90	2.99
<b>Nckipsd</b>	NCK interacting protein with SH3 domain	1.41	2.98
<b>Ptgds</b>	Prostaglandin D2 synthase (brain)	-0.88	2.98
<b>Kcne2</b>	Potassium voltage-gated channel, Isk-related subfamily, gene 2	1.77	2.97
<b>Zfp811</b>	Zinc finger protein 811	3.01	2.97
<b>Grcc10</b>	Gene rich cluster, C10 gene	1.06	2.96
<b>Impact</b>	Imprinted and ancient	0.89	2.96
<b>Bpnt1</b>	Bisphosphate 3'-nucleotidase 1	-1.25	2.95
<b>H2-D1</b>	Histocompatibility 2, D region locus 1	-0.86	2.94
<b>Fam92a</b>	Family with sequence similarity 92, member A	0.93	2.93
<b>Vkorc1</b>	Vitamin K epoxide reductase complex, subunit 1	1.39	2.93
<b>3000002C10Rik</b>	Riken cDNA 3000002C10 gene	-0.90	2.93
<b>Zmym6</b>	Zinc finger, MYM-type 6	1.81	2.93
<b>Vmn2r41</b>	Vomeroneasal 2, receptor 41	-3.76	2.92
<b>Higd2a</b>	HIG1 domain family, member 2A	1.45	2.92
<b>Akr1e1</b>	Aldo-keto reductase family 1, member E1	-1.18	2.92
<b>Psg27</b>	Pregnancy-specific glycoprotein 27	-1.02	2.92
<b>Fibp</b>	Fibroblast growth factor (acidic) intracellular binding protein	2.13	2.91
<b>Fam117a</b>	Family with sequence similarity 117, member A	-1.32	2.89
<b>St6galnac5</b>	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	1.03	2.88
<b>Mif</b>	Macrophage migration inhibitory factor	1.45	2.88
<b>Ndufv3</b>	NADH dehydrogenase (ubiquinone) flavoprotein 3	0.99	2.88
<b>Nxph1</b>	Neurexophilin 1	2.81	2.88
<b>Vmn2r42</b>	Vomeroneasal 2, receptor 42	-3.70	2.88
<b>Wwc1</b>	WW, C2 and coiled-coil domain containing 1	1.37	2.87
<b>1700010I14Rik</b>	Riken cDNA 1700010I14 gene	-1.92	2.86
<b>Gipc1</b>	GIPC PDZ domain containing family, member 1	1.78	2.86
<b>Aldh18a1</b>	Aldehyde dehydrogenase 18 family, member A1	2.77	2.85
<b>Caly</b>	Calcyon neuron-specific vesicular protein	1.17	2.85
<b>Mcee</b>	Methylmalonyl CoA epimerase	2.42	2.85
<b>Prkrir</b>	Protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	1.75	2.85
<b>Gm3893</b>	Predicted gene 3893	0.96	2.84
<b>Ctgf</b>	Connective tissue growth factor	-1.21	2.84
<b>Gsk3a</b>	Glycogen synthase kinase 3 alpha	0.98	2.84
<b>Papss2</b>	3'-Phosphoadenosine 5'-phosphosulfate synthase 2	1.67	2.84

<b>Aifm3</b>	Apoptosis-inducing factor, mitochondrion-associated 3	1.81	2.84
<b>Slc35b1</b>	Solute carrier family 35, member B1	1.71	2.83
<b>Slc4a2</b>	Solute carrier family 4 (anion exchanger), member 2	2.06	2.83
<b>Pnpo</b>	Pyridoxine 5'-phosphate oxidase	-0.74	2.83
<b>Lyz1</b>	Lysozyme 1	-1.01	2.83
<b>Atp5e</b>	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, epsilon subunit	1.44	2.81
<b>Rab39b</b>	RAB39B, member RAS oncogene family	1.36	2.81
<b>Metrn1</b>	Meteorin, glial cell differentiation regulator-like	2.86	2.81
<b>Clcn4-2</b>	Chloride channel 4-2	0.85	2.81
<b>Bst1</b>	Bone marrow stromal cell antigen 1	-3.58	2.80
<b>Sema3f</b>	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F	-1.24	2.80
<b>Gm9159</b>	Predicted gene 9159	-3.58	2.80
<b>Mettl22</b>	Methyltransferase like 22	3.25	2.80
<b>Lrrc8d</b>	Leucine rich repeat containing 8D	0.97	2.80
<b>Camkk1</b>	Calcium/calmodulin-dependent protein kinase kinase 1, alpha	1.44	2.80
<b>Apol8</b>	Apolipoprotein L 8	3.25	2.80
<b>Rbm3</b>	RNA binding motif protein 3	1.14	2.79
<b>Tex12</b>	Testis expressed gene 12	-1.11	2.79
<b>Cyp4f18</b>	Cytochrome P450, family 4, subfamily f, polypeptide 18	-3.58	2.79
<b>Cldn11</b>	Claudin 11	1.01	2.79
<b>Lmo4</b>	LIM domain only 4	0.85	2.79
<b>2310061I04Rik</b>	Riken cDNA 2310061I04 gene	0.97	2.77
<b>Itga2b</b>	Integrin alpha 2b	-1.95	2.77
<b>Tom1l2</b>	Target of myb1-like 2 (chicken)	1.39	2.77
<b>Ptgs2</b>	Prostaglandin-endoperoxide synthase 2	1.70	2.76
<b>Car8</b>	Carbonic anhydrase 8	2.72	2.76
<b>Lce1f</b>	Late cornified envelope 1F	-1.15	2.74
<b>Gabrb1</b>	Gamma-aminobutyric acid (GABA) A receptor, subunit beta 1	1.74	2.73
<b>Sbsn</b>	Suprabasin	-1.26	2.73
<b>Eef1b2</b>	Eukaryotic translation elongation factor 1 beta 2	0.95	2.73
<b>Tmem154</b>	Transmembrane protein 154	-1.16	2.72
<b>Xdh</b>	Xanthine dehydrogenase	-3.46	2.72
<b>Insrr</b>	Insulin receptor-related receptor	-3.46	2.72
<b>2310009B15Rik</b>	Riken cDNA 2310009B15 gene	-3.46	2.72
<b>Rhebl1</b>	Ras homolog enriched in brain like 1	3.70	2.72
<b>Lrrc41</b>	Leucine rich repeat containing 41	1.69	2.71
<b>Atp5g1</b>	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit c1 (subunit 9)	0.88	2.70
<b>Aldh1a2</b>	Aldehyde dehydrogenase family 1, subfamily A2	-1.00	2.69
<b>Mpzl2</b>	Myelin protein zero-like 2	-1.35	2.69
<b>Klhl1</b>	Kelch-like 1 (Drosophila)	-1.66	2.69
<b>Folr1</b>	Folate receptor 1 (adult)	1.70	2.69
<b>Timp4</b>	Tissue inhibitor of metalloproteinase 4	0.94	2.69
<b>Abhd3</b>	Abhydrolase domain containing 3	1.66	2.68
<b>Gm15319</b>	Predicted gene 15319	-3.32	2.68
<b>Olfr480</b>	Olfactory receptor 480	0.94	2.68
<b>Morn2</b>	MORN repeat containing 2	-0.79	2.68

<b>Ndufa7</b>	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7 (B14.5a)	0.93	2.68
<b>Nrsn2</b>	Neurensin 2	0.93	2.67
<b>Eif2b1</b>	Eukaryotic translation initiation factor 2B, subunit 1 (alpha)	2.19	2.67
<b>Cwc15</b>	CWC15 homolog (S. cerevisiae)	1.24	2.66
<b>Olf631</b>	Olfactory receptor 631	-1.11	2.66
<b>Cetn3</b>	Centrin 3	1.69	2.66
<b>H2-Q8</b>	Histocompatibility 2, Q region locus 8	-3.32	2.66
<b>Slc6a3</b>	Solute carrier family 6 (neurotransmitter transporter, dopamine), member 3	-3.14	2.66
<b>Spag7</b>	Sperm associated antigen 7	1.56	2.66
<b>Cfhf2</b>	Complement factor H-related 2	3.37	2.66
<b>Ifi47</b>	Interferon gamma inducible protein 47	-1.74	2.65
<b>6330578E17Rik</b>	Riken cDNA 6330578E17 gene	1.06	2.65
<b>Clic6</b>	Chloride intracellular channel 6	2.13	2.65
<b>Cat</b>	Catalase	1.10	2.64
<b>Cxx1c</b>	CAAX box 1 homolog C	1.10	2.64
<b>Irf7</b>	Interferon regulatory factor 7	-1.47	2.64
<b>Gabra2</b>	Gamma-aminobutyric acid (GABA) A receptor, subunit alpha 2	0.80	2.63
<b>Syt1</b>	Synaptotagmin I	0.85	2.63
<b>Fjx1</b>	Four jointed box 1 (Drosophila)	0.93	2.63
<b>Stip1</b>	Stress-induced phosphoprotein 1	0.91	2.62
<b>Endou</b>	Endonuclease, polyU-specific	2.87	2.62
<b>Gm6402</b>	Predicted pseudogene 6402	0.93	2.62
<b>Nell2</b>	NEL-like 2 (chicken)	0.93	2.61
<b>Skp1a</b>	S-phase kinase-associated protein 1A	0.89	2.61
<b>Ppwd1</b>	Peptidylprolyl isomerase domain and WD repeat containing 1	-1.45	2.61
<b>Arhgap1</b>	Rho GTPase activating protein 1	1.21	2.61
<b>Rnf135</b>	Ring finger protein 135	3.58	2.61
<b>Rilpl1</b>	Rab interacting lysosomal protein-like 1	1.02	2.60
<b>Prss22</b>	Protease, Serine, 22	1.03	2.60
<b>Cib2</b>	Calcium and integrin binding family member 2	1.56	2.60
<b>Nts</b>	Neurotensin	-1.07	2.60
<b>Slc2a13</b>	Solute carrier family 2 (facilitated glucose transporter), member 13	1.25	2.60
<b>Rbp3</b>	Retinol binding protein 3, interstitial	-2.58	2.60
<b>2010300C02Rik</b>	Riken cDNA 2010300C02 gene	0.93	2.59
<b>Cbx3</b>	Chromobox homolog 3 (Drosophila HP1 gamma)	0.93	2.59
<b>Aarsd1</b>	Alanyl-tRNA synthetase domain containing 1	0.91	2.59
<b>Tmeff1</b>	Transmembrane protein with EGF-like and two follistatin-like domains 1	1.49	2.59
<b>Pi16</b>	Peptidase inhibitor 16	-2.42	2.59
<b>Uhrf1</b>	Ubiquitin-like, containing PHD and RING finger domains, 1	-2.70	2.59
<b>Col9a2</b>	Collagen, type IX, alpha 2	-1.42	2.59
<b>Prkcc</b>	Protein kinase C, gamma	0.90	2.58
<b>Zkscan16</b>	Zinc finger with KRAB and SCAN domains 16	-2.58	2.58
<b>Nphs2</b>	Nephrosis 2 homolog, podocin (human)	-2.00	2.58
<b>Cog1</b>	Component of oligomeric golgi complex 1	-0.67	2.58
<b>Mgp</b>	Matrix Gla protein	-0.65	2.57
<b>Mgat1</b>	Mannoside acetylglucosaminyltransferase 1	-0.61	2.57
<b>Esd</b>	Esterase D/formylglutathione hydrolase	1.22	2.57

<b>Slc25a34</b>	Solute carrier family 25, member 34	1.59	2.57
<b>Sf3b1</b>	Splicing factor 3b, subunit 1	0.84	2.57
<b>Eif3h</b>	Eukaryotic translation initiation factor 3, subunit H	1.63	2.56
<b>Lum</b>	Lumican	-0.87	2.56
<b>Gfpt2</b>	Glutamine fructose-6-phosphate transaminase 2	2.74	2.56
<b>Zfp386</b>	Zinc finger protein 386 (Kruppel-like)	-0.65	2.56
<b>Plcg2</b>	Phospholipase C, gamma 2	-0.65	2.55
<b>Braf</b>	Braf transforming gene	0.89	2.55
<b>Usp20</b>	Ubiquitin specific peptidase 20	1.53	2.54
<b>Msh2</b>	MutS homolog 2	2.12	2.54
<b>Rsph3b</b>	Radial spoke 3B homolog	-0.78	2.54
<b>D10Wsu52e</b>	DNA segment, Chr 10, Wayne State University 52, expressed	1.64	2.54
<b>Eftud2</b>	Elongation factor Tu GTP binding domain containing 2	1.21	2.54
<b>Kdm4d</b>	Lysine (K)-specific demethylase 4D	-2.32	2.53
<b>Htra1</b>	HtrA Serine peptidase 1	0.76	2.53
<b>Ctrl</b>	Chymotrypsin-like	-1.54	2.53
<b>Pcdhgc5</b>	Protocadherin gamma subfamily C, 5	0.83	2.53
<b>Mpa2l</b>	Guanylate binding protein 6	-1.97	2.53
<b>Gnb3</b>	Guanine nucleotide binding protein (G protein), beta 3	-2.17	2.52
<b>Cdk19</b>	Cyclin-dependent kinase 19	0.91	2.52
<b>Nfu1</b>	NFU1 iron-sulfur cluster scaffold homolog (S. cerevisiae)	2.54	2.52
<b>Fgfbp1</b>	Fibroblast growth factor binding protein 1	-1.12	2.52
<b>Gja5</b>	Gap junction protein, alpha 5	-0.98	2.51
<b>Sdf4</b>	Stromal cell derived factor 4	-0.59	2.50
<b>Fbxo25</b>	F-box protein 25	2.09	2.50
<b>AI451617</b>	Tripartite motif-containing 30D	-3.16	2.50
<b>Mtap2</b>	Microtubule-associated protein 2	0.83	2.49
<b>Gad1</b>	Glutamic acid decarboxylase 1	0.72	2.49
<b>Itgb4</b>	Integrin beta 4	-0.76	2.49
<b>4930503L19Rik</b>	Riken cDNA 4930503L19 gene	2.02	2.49
<b>Vmn2r86</b>	Vomer nasal 2, receptor 86	-2.59	2.48
<b>Crlf2</b>	Cytokine receptor-like factor 2	-0.68	2.48
<b>Ezr</b>	Ezrin	0.87	2.48
<b>Trappc6b</b>	Trafficking protein particle complex 6B	1.21	2.48
<b>Paip2</b>	Polyadenylate-binding protein-interacting protein 2	1.28	2.48
<b>1110032A03Rik</b>	Riken cDNA 1110032A03 gene	1.94	2.47
<b>3830403N18Rik</b>	Riken cDNA 3830403N18 gene	2.70	2.47
<b>Galnt1l</b>	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 1	1.33	2.47
<b>Cnih2</b>	Cornichon homolog 2 (Drosophila)	0.84	2.47
<b>Scn4a</b>	Sodium channel, voltage-gated, type IV, alpha	-2.58	2.47
<b>Abhd6</b>	Abhydrolase domain containing 6	0.96	2.47
<b>Il34</b>	Interleukin 34	0.90	2.46
<b>Myh3</b>	Myosin, heavy polypeptide 3, skeletal muscle, embryonic	-1.42	2.46
<b>Apob48r</b>	Apolipoprotein B receptor	-1.42	2.46
<b>Fmod</b>	Fibromodulin	-0.61	2.45
<b>Psg23</b>	Pregnancy-specific glycoprotein 23	-0.67	2.45

<b>Casp12</b>	Caspase 12	-1.49	2.45
<b>Cyp4f40</b>	Cytochrome P450, family 4, subfamily f, polypeptide 40	2.56	2.45
<b>H19</b>	H19 fetal liver mRNA	-2.07	2.44
<b>2010015L04Rik</b>	Riken cDNA 2010015L04 gene	-0.64	2.44
<b>Ifit2</b>	Interferon-induced protein with tetratricopeptide repeats 2	-1.06	2.43
<b>2310004I24Rik</b>	Riken cDNA 2310004I24 gene	2.37	2.43
<b>Abcb4</b>	ATP-binding cassette, sub-family B (MDR/TAP), member 4	2.13	2.43
<b>Pde3a</b>	Phosphodiesterase 3A, cGMP inhibited	3.09	2.43
<b>BC060267</b>	cDNA sequence BC060267	-1.03	2.43
<b>Cckar</b>	Cholecystokinin A receptor	3.00	2.43
<b>Gm11978</b>	Predicted gene 11978	3.00	2.43
<b>Tlr1</b>	Toll-like receptor 1	3.00	2.43
<b>2610203C22Rik</b>	Riken cDNA 2610203C22 gene	3.00	2.43
<b>Pnma5</b>	Paraneoplastic antigen family 5	3.00	2.43
<b>Ly6e</b>	Lymphocyte antigen 6 complex, locus E	0.89	2.43
<b>Lax1</b>	Lymphocyte transmembrane adaptor 1	-3.10	2.42
<b>Prrt2</b>	Proline-rich transmembrane protein 2	0.76	2.42
<b>Fgf13</b>	Fibroblast growth factor 13	0.87	2.42
<b>Mthfs</b>	5, 10-Methenyltetrahydrofolate synthetase	-0.86	2.42
<b>Eif4b</b>	Eukaryotic translation initiation factor 4B	0.86	2.42
<b>Pcp4</b>	Purkinje cell protein 4	0.84	2.42
<b>Gng13</b>	Guanine nucleotide binding protein (G protein), gamma 13	-0.57	2.42
<b>Cyp2e1</b>	Cytochrome P450, family 2, subfamily e, polypeptide 1	-0.61	2.42
<b>Cdc42ep2</b>	CDC42 effector protein (Rho GTPase binding) 2	2.50	2.42
<b>Gm16379</b>	Predicted pseudogene 16379	1.52	2.41
<b>Abcd1</b>	ATP-binding cassette, sub-family D (ALD), member 1	2.12	2.41
<b>Kdm1a</b>	Lysine (K)-specific demethylase 1A	1.60	2.41
<b>Crnkl1</b>	Crn, crooked neck-like 1 (Drosophila)	1.98	2.41
<b>Hp1bp3</b>	Heterochromatin protein 1, binding protein 3	0.89	2.40
<b>1110018J18Rik</b>	Riken cDNA 1110018J18 gene	2.61	2.40
<b>Islr</b>	Immunoglobulin superfamily containing leucine-rich repeat	-0.74	2.40
<b>Ergic3</b>	ERGIC and golgi 3	1.53	2.39
<b>2310045N01Rik</b>	Riken cDNA 2310045N01 gene	1.50	2.39
<b>Irs3</b>	Insulin receptor substrate 3	-2.22	2.39
<b>Foxr1</b>	Forkhead box R1	-0.80	2.39
<b>Xlr4a</b>	X-linked lymphocyte-regulated 4A	3.12	2.39
<b>Chia</b>	Chitinase, acidic	-2.22	2.39
<b>Ndufa12</b>	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12	1.24	2.38
<b>Cadps2</b>	Ca <sup>2+</sup> -dependent activator protein for secretion 2	-0.56	2.38
<b>C230091D08Rik</b>	Riken cDNA C230091D08 gene	2.05	2.38
<b>Gba2</b>	Glucosidase beta 2	-0.57	2.38
<b>Id4</b>	Inhibitor of DNA binding 4	1.13	2.38
<b>Hist1h2bc</b>	Histone cluster 1, H2bc	1.49	2.37
<b>Yipf1</b>	Yip1 domain family, member 1	-0.56	2.37
<b>Ramp1</b>	Receptor (calcitonin) activity modifying protein 1	0.99	2.37

<b><i>Fdxr</i></b>	Ferredoxin reductase	1.88	2.36
<b><i>Cldn2</i></b>	Claudin 2	2.09	2.36
<b><i>Tlr12</i></b>	Toll-like receptor 12	3.00	2.36
<b><i>Cacnb3</i></b>	Calcium channel, voltage-dependent, beta 3 subunit	0.83	2.36
<b><i>Oat</i></b>	Ornithine aminotransferase	0.84	2.36
<b><i>Simap</i></b>	Sarcolemma associated protein	0.96	2.36
<b><i>2610305D13Rik</i></b>	Riken cDNA 2610305D13 gene	2.90	2.36
<b><i>Zfp936</i></b>	Zinc finger protein 936	2.91	2.36
<b><i>Appl2</i></b>	Adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2	1.33	2.36
<b><i>Pbld</i></b>	Phenazine biosynthesis-like protein domain containing 1	-0.68	2.35
<b><i>Usp30</i></b>	Ubiquitin specific peptidase 30	-0.92	2.35
<b><i>Elmo2</i></b>	Engulfment and cell motility 2, ced-12 homolog (C. elegans)	0.87	2.35
<b><i>Tmem216</i></b>	Transmembrane protein 216	1.93	2.35
<b><i>Mrpl39</i></b>	Mitochondrial ribosomal protein L39	1.42	2.34
<b><i>H2-K1</i></b>	Histocompatibility 2, K1, K region	-0.57	2.34
<b><i>Aqp1</i></b>	Aquaporin 1	1.98	2.33
<b><i>Cntnap5c</i></b>	Contactin associated protein-like 5C	2.30	2.33
<b><i>Maged1</i></b>	Melanoma antigen, family D, 1	0.80	2.33
<b><i>Cdh22</i></b>	Cadherin 22	-0.67	2.33
<b><i>Ramp3</i></b>	Receptor (calcitonin) activity modifying protein 3	1.15	2.33
<b><i>Pisd-ps2</i></b>	PhosphatidylSerine decarboxylase, pseudogene 2	3.08	2.33
<b><i>Ttc39b</i></b>	Tetratricopeptide repeat domain 39B	0.91	2.32
<b><i>Hcrtr1</i></b>	Hypocretin (orexin) receptor 1	-1.34	2.32
<b><i>Hcst</i></b>	Hematopoietic cell signal transducer	-1.93	2.31
<b><i>1700019G17Rik</i></b>	Riken cDNA 1700019G17 gene	2.26	2.31
<b><i>Mamdc2</i></b>	MAM domain containing 2	3.46	2.31
<b><i>Asgr1</i></b>	Asialoglycoprotein receptor 1	-0.96	2.31
<b><i>Vmn2r-ps11</i></b>	Vomer nasal 2, receptor, pseudogene 11	-2.98	2.31
<b><i>Vmn2r5</i></b>	Vomer nasal 2, receptor 5	-2.98	2.31
<b><i>Ndufs1</i></b>	NADH dehydrogenase (ubiquinone) Fe-S protein 1	1.20	2.31
<b><i>Tatdn3</i></b>	TatD DNase domain containing 3	3.46	2.30
<b><i>Susd4</i></b>	Sushi domain containing 4	0.85	2.30
<b><i>Spred2</i></b>	Sprouty-related, EVH1 domain containing 2	1.45	2.30
<b><i>Gm4987</i></b>	Predicted gene 4987	2.82	2.30
<b><i>Zfp74</i></b>	Zinc finger protein 74	1.35	2.30
<b><i>Kif21a</i></b>	Kinesin family member 21A	0.82	2.30
<b><i>Aig1</i></b>	Androgen-induced 1	1.47	2.30
<b><i>Gmnn</i></b>	Geminin	-0.96	2.29
<b><i>Rxrb</i></b>	Retinoid X receptor beta	-0.53	2.29
<b><i>Tm2d2</i></b>	TM2 domain containing 2	-0.55	2.29
<b><i>Rsph3a</i></b>	Radial spoke 3A homolog (Chlamydomonas)	0.81	2.29
<b><i>Smarca1</i></b>	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1	1.16	2.29
<b><i>Dmrtc1b</i></b>	DMRT-like family C1b	-2.05	2.29
<b><i>Rnft2</i></b>	Ring finger protein, transmembrane 2	0.97	2.29
<b><i>5730437N04Rik</i></b>	Riken cDNA 5730437N04 gene	-0.61	2.29
<b><i>Ppox</i></b>	Protoporphyrinogen oxidase	2.03	2.28
<b><i>Mett5d1</i></b>	Methyltransferase like 15	2.81	2.28

<b>4930529C04Rik</b>	Riken cDNA 4930529C04 gene	2.82	2.28
<b>Mpnd</b>	MPN domain containing	-0.57	2.28
<b>Lpl</b>	Lipoprotein lipase	0.78	2.28
<b>Raver2</b>	Ribonucleoprotein, PTB-binding 2	2.58	2.28
<b>Gpr62</b>	G protein-coupled receptor 62	2.58	2.28
<b>Tprkb</b>	Tp53rk binding protein	0.85	2.28
<b>Uxs1</b>	UDP-glucuronate decarboxylase 1	2.58	2.28
<b>Angel1</b>	Angel homolog 1 (Drosophila)	2.27	2.28
<b>Camkk2</b>	Calcium/calmodulin-dependent protein kinase kinase 2, beta	0.85	2.27
<b>Gpr81</b>	G protein-coupled receptor 81	-1.05	2.27
<b>Ghrh</b>	Growth hormone releasing hormone	2.91	2.27
<b>Dpysl4</b>	Dihydropyrimidinase-like 4	1.93	2.27
<b>2900097C17Rik</b>	Riken cDNA 2900097C17 gene	0.78	2.27
<b>Pgs1</b>	Phosphatidylglycerophosphate synthase 1	1.54	2.26
<b>Col8a1</b>	Collagen, type VIII, alpha 1	1.49	2.26
<b>Plac8</b>	Placenta-specific 8	-2.12	2.26
<b>3110021A11Rik</b>	Riken cDNA 3110021A11 gene	2.22	2.26
<b>Pppde2</b>	PPPDE peptidase domain containing 2	1.42	2.26
<b>Pcdhga3</b>	Protocadherin gamma subfamily A, 3	1.12	2.25
<b>Zbtb5</b>	Zinc finger and BTB domain containing 5	-0.58	2.25
<b>Bex1</b>	Brain expressed gene 1	-0.54	2.25
<b>Zbp1</b>	Z-DNA binding protein 1	-1.70	2.25
<b>Gm10416</b>	Predicted pseudogene 10416	-2.91	2.25
<b>Aldh3a1</b>	Aldehyde dehydrogenase family 3, subfamily A1	-1.70	2.25
<b>Tmsb10</b>	Thymosin, beta 10	-0.55	2.25
<b>Sept3</b>	Septin 3	0.73	2.25
<b>Srp9</b>	Signal recognition particle 9	-0.53	2.25
<b>Gm9199</b>	Predicted gene 9199	1.42	2.25
<b>Taf10</b>	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor	-0.52	2.25
<b>Lamc2</b>	Laminin, gamma 2	2.19	2.24
<b>2310014H01Rik</b>	Riken cDNA 2310014H01 gene	-0.87	2.24
<b>Abca4</b>	ATP-binding cassette, sub-family A (ABC1), member 4	1.89	2.24
<b>Sap130</b>	Sin3A associated protein	0.95	2.24
<b>Ahi1</b>	Abelson helper integration site 1	0.66	2.23
<b>Angel2</b>	Angel homolog 2 (Drosophila)	1.48	2.23
<b>Robo1</b>	Roundabout homolog 1 (Drosophila)	1.43	2.23
<b>A030009H04Rik</b>	Riken cDNA A030009H04 gene	-0.51	2.23
<b>Arhgef17</b>	Rho guanine nucleotide exchange factor (GEF) 17	0.80	2.23
<b>Mrpl42</b>	Mitochondrial ribosomal protein L42	1.42	2.22
<b>Tor1b</b>	Torsin family 1, member B	0.80	2.22
<b>Glo1</b>	Glyoxalase 1	0.76	2.22
<b>Ms4a4d</b>	Membrane-spanning 4-domains, subfamily A, member 4D	-1.43	2.22
<b>Rnf4</b>	Ring finger protein 4	-0.54	2.22
<b>Cd180</b>	CD180 antigen	-1.91	2.22
<b>Sparcl1</b>	SPARC-like 1	0.65	2.21
<b>Phlda3</b>	Pleckstrin homology-like domain, family A, member 3	1.35	2.21
<b>9430031J16Rik</b>	Riken cDNA 9430031J16 gene	-1.67	2.21
<b>Hhatl</b>	Hedgehog acyltransferase-like	-0.85	2.21
<b>Prex1</b>	Phosphatidylinositol-3,4,5-trisphosphate-	1.08	2.21

	dependent Rac exchange factor 1		
<b>Rps4x</b>	Ribosomal protein S4, X-linked	1.46	2.21
<b>Map1lc3b</b>	Microtubule-associated protein 1 light chain 3 beta	0.73	2.21
<b>Rbm8a</b>	RNA binding motif protein 8a	0.75	2.21
<b>Snora65</b>	Small nucleolar RNA, H/ACA box 65	3.32	2.20
<b>Slc40a1</b>	Solute carrier family 40 (iron-regulated transporter), member 1	1.94	2.20
<b>Nos1</b>	Nitric oxide synthase 1, neuronal	3.32	2.20
<b>Psm7</b>	Proteasome (prosome, macropain) subunit, alpha type 7	0.67	2.20
<b>Pon1</b>	Paraoxonase 1	3.32	2.20
<b>Naa20</b>	N(alpha)-acetyltransferase 20, NatB catalytic subunit	0.82	2.20
<b>Zfp352</b>	Zinc finger protein 352	3.32	2.20
<b>Rnf219</b>	Ring finger protein 219	2.00	2.20
<b>Lsm4</b>	LSM4 homolog, U6 small nuclear RNA associated ( <i>S. cerevisiae</i> )	-0.57	2.20
<b>Lix1l</b>	Lix1-like	2.13	2.20
<b>Cables2</b>	CDK5 and Abl enzyme substrate 2	1.15	2.20
<b>Il21r</b>	Interleukin 21 receptor	2.37	2.20
<b>Mosc2</b>	MOCO sulphurase C-terminal domain containing 2	-0.54	2.20
<b>Tgm2</b>	Transglutaminase 2, C polypeptide	-0.81	2.19
<b>2410015M20Rik</b>	Riken cDNA 2410015M20 gene	1.16	2.19
<b>Acadsb</b>	Acyl-Coenzyme A dehydrogenase, short/branched chain	1.11	2.19
<b>Mettl8</b>	Methyltransferase like 8	1.40	2.19
<b>Atp5g3</b>	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit C3 (subunit 9)	0.74	2.19
<b>Tle6</b>	Transducin-like enhancer of split 6, homolog of <i>Drosophila</i> E(spl)	-1.00	2.19
<b>Vamp3</b>	Vesicle-associated membrane protein 3	1.40	2.19
<b>Paics</b>	Phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoribosylaminoimidazole, succinocarboxamide synthetase	1.14	2.19
<b>Pqlc1</b>	PQ loop repeat containing 1	1.15	2.19
<b>Tuba3a</b>	Tubulin, alpha 3A	2.36	2.18
<b>Dpy30</b>	Dpy-30 homolog ( <i>C. elegans</i> )	-0.54	2.18
<b>Nrsn1</b>	Neurensin 1	-0.61	2.18
<b>Setd3</b>	SET domain containing 3	1.39	2.18
<b>Stac2</b>	SH3 and cysteine rich domain 2	-0.51	2.18
<b>Pgam5</b>	Phosphoglycerate mutase family member 5	1.12	2.18
<b>Foxj1</b>	Forkhead box J1	1.92	2.18
<b>Stbd1</b>	Starch binding domain 1	-1.72	2.18
<b>Gpd2</b>	Glycerol phosphate dehydrogenase 2, mitochondrial	0.74	2.17
<b>Isca1</b>	Iron-sulfur cluster assembly 1 homolog ( <i>S.</i> <i>cerevisiae</i> )	1.37	2.17
<b>D030028A08Rik</b>	Riken cDNA D030028A08 gene	-2.32	2.17
<b>Eprs</b>	Glutamyl-prolyl-tRNA synthetase	1.13	2.17
<b>Ly6c1</b>	Lymphocyte antigen 6 complex, locus C1	-0.50	2.17
<b>Ap4s1</b>	Adaptor-related protein complex AP-4, sigma 1	1.37	2.17
<b>Tecpr2</b>	Tectonin beta-propeller repeat containing 2	0.93	2.17
<b>Oxct1</b>	3-Oxoacid CoA transferase 1	0.68	2.17
<b>Dmxl2</b>	Dmx-like 2	1.08	2.16

<b><i>Fn1</i></b>	Fibronectin 1	-0.72	2.16
<b><i>Cyth4</i></b>	Cytohesin 4	2.32	2.16
<b><i>Uchl1</i></b>	Ubiquitin carboxy-terminal hydrolase L1	0.63	2.16
<b><i>Rasgrp2</i></b>	RAS, guanyl releasing protein 2	-0.93	2.16
<b><i>Enpp5</i></b>	Ectonucleotide pyrophosphatase/phosphodiesterase 5	0.70	2.16
<b><i>Mtap9</i></b>	Microtubule-associated protein 9	0.92	2.16
<b><i>Psmb8</i></b>	Proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	-0.71	2.16
<b><i>4930455F23Rik</i></b>	Riken cDNA 4930455F23 gene	-0.96	2.16
<b><i>Prpf8</i></b>	Pre-mRNA processing factor 8	0.68	2.15
<b><i>Mnd1</i></b>	Meiotic nuclear divisions 1 homolog (S. cerevisiae)	3.21	2.15
<b><i>Rps6ka2</i></b>	Ribosomal protein S6 kinase, polypeptide 2	-0.51	2.15
<b><i>Nol6</i></b>	Nucleolar protein family 6 (RNA-associated)	0.77	2.15
<b><i>Slc37a2</i></b>	Solute carrier family 37 (glycerol-3-phosphate transporter), member 2	3.21	2.15
<b><i>AI506816</i></b>	Expressed sequence AI506816	1.87	2.15
<b><i>Park2</i></b>	Parkinson disease (autosomal recessive, juvenile) 2, parkin	-0.83	2.15
<b><i>Fndc1</i></b>	Fibronectin type III domain containing 1	2.70	2.15
<b><i>Snx21</i></b>	Sorting nexin family member 21	-0.53	2.15
<b><i>Gm6531</i></b>	Predicted gene 6531	-1.31	2.14
<b><i>Scaf1</i></b>	SR-related CTD-associated factor 1	0.78	2.14
<b><i>Trnp1</i></b>	TMF1-regulated nuclear protein 1	0.78	2.14
<b><i>BC061194</i></b>	cDNA sequence BC061194	3.19	2.14
<b><i>Pou3f2</i></b>	POU domain, class 3, transcription factor 2	-2.17	2.14
<b><i>Kcnq2</i></b>	Potassium voltage-gated channel, subfamily Q, member 2	-0.52	2.14
<b><i>Dera</i></b>	2-Deoxyribose-5-phosphate aldolase homolog	-2.17	2.14
<b><i>Cyp4f16</i></b>	Cytochrome P450, family 4, subfamily f, polypeptide 16	1.37	2.14
<b><i>Abhd13</i></b>	Abhydrolase domain containing 13	0.78	2.14
<b><i>Il17rb</i></b>	Interleukin 17 receptor B	-2.17	2.14
<b><i>Tspan33</i></b>	Tetraspanin 33	1.23	2.14
<b><i>Fam84b</i></b>	Family with sequence similarity 84, member B	2.25	2.14
<b><i>Rbfa</i></b>	Ribosome binding factor A	-0.85	2.13
<b><i>Ankrd11</i></b>	Ankyrin repeat domain 11	0.91	2.13
<b><i>Ldb3</i></b>	LIM domain binding 3	-1.32	2.13
<b><i>Foxc2</i></b>	Forkhead box C2	-1.27	2.13
<b><i>Sybu</i></b>	Syntabulin (syntaxin-interacting)	-0.49	2.13
<b><i>Ipcef1</i></b>	Interaction protein for cytohesin exchange factors 1	-1.20	2.13
<b><i>Fbxo6</i></b>	F-box protein 6	-0.51	2.13
<b><i>A630001G21Rik</i></b>	Riken cDNA A630001G21 gene	-1.27	2.13
<b><i>Mal</i></b>	Myelin and lymphocyte protein, T-cell differentiation protein	0.80	2.13
<b><i>Bbs7</i></b>	Bardet-Biedl syndrome 7 (human)	1.67	2.13
<b><i>Avl9</i></b>	AVL9 homolog (S. cerevisiae)	1.36	2.13
<b><i>BC023829</i></b>	cDNA sequence BC023829	2.32	2.12
<b><i>Brf2</i></b>	BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like	-0.69	2.12
<b><i>Hcrtr2</i></b>	Hypocretin (orexin) receptor 2	2.67	2.11
<b><i>Lyp1a1</i></b>	Lysophospholipase 1	-0.51	2.11
<b><i>Kcnh4</i></b>	Potassium voltage-gated channel, subfamily H (eag-related), member 4	-0.92	2.11

<b>Gls</b>	Glutaminase	0.70	2.11
<b>Prss41</b>	Protease, Serine, 41	-1.19	2.11
<b>Slc12a2</b>	Solute carrier family 12, member 2	1.19	2.11
<b>Tmf1</b>	TATA element modulatory factor 1	-0.54	2.11
<b>Pnliprp2</b>	Pancreatic lipase-related protein 2	-1.77	2.11
<b>H2-Ab1</b>	Histocompatibility 2, class II antigen A, beta 1	-0.94	2.10
<b>Pibf1</b>	Progesterone immunomodulatory binding factor 1	2.10	2.10
<b>Zfp773</b>	Zinc finger protein 773	-1.01	2.10
<b>Acot1</b>	Acyl-CoA thioesterase 1	1.38	2.10
<b>AA543186</b>	Expressed sequence AA543186	-2.00	2.10
<b>Mpped1</b>	Metallophosphoesterase domain containing 1	1.11	2.10
<b>Sbno2</b>	Strawberry notch homolog 2 (Drosophila)	1.81	2.10
<b>Plod3</b>	Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	-0.54	2.10
<b>Adora2b</b>	Adenosine A2b receptor	-0.86	2.10
<b>Adcyap1r1</b>	Adenylate cyclase activating polypeptide 1 receptor 1	0.63	2.10
<b>Ethe1</b>	Ethylmalonic encephalopathy 1	1.77	2.10
<b>Tes</b>	Testis derived transcript	-1.58	2.10
<b>Bdh2</b>	3-Hydroxybutyrate dehydrogenase, type 2	-1.18	2.10
<b>Dcaf15</b>	DDB1 and CUL4 associated factor 15	2.42	2.10
<b>Cited4</b>	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4	-1.34	2.09
<b>Hs3st3a1</b>	Heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	-1.16	2.09
<b>1110065P20Rik</b>	Riken cDNA 1110065P20 gene	1.37	2.09
<b>Pisd-ps3</b>	PhosphatidylSerine decarboxylase, pseudogene 3	0.84	2.09
<b>C1qtnf7</b>	C1q and tumor necrosis factor related protein 7	-1.74	2.09
<b>Gramd1a</b>	GRAM domain containing 1A	-0.80	2.09
<b>Cep135</b>	Centrosomal protein 135	-1.74	2.09
<b>Mmp14</b>	Matrix metalloproteinase 14 (membrane-inserted)	1.77	2.09
<b>Sh3gl2</b>	SH3-domain GRB2-like 2	0.72	2.09
<b>Fdx1l</b>	Ferredoxin 1-like	-0.49	2.09
<b>Tmem180</b>	Transmembrane protein 180	1.20	2.09
<b>Atic</b>	5-Aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	1.36	2.09
<b>Scn9a</b>	Sodium channel, voltage-gated, type IX, alpha	1.79	2.09
<b>Vaultrc5</b>	Vault RNA component 5	-2.00	2.08
<b>Mid1</b>	Midline 1	-0.92	2.08
<b>H2-Q6</b>	Histocompatibility 2, Q region locus 6	-2.57	2.08
<b>Dcaf12l1</b>	DDB1 and CUL4 associated factor 12-like 1	0.78	2.08
<b>Sema5b</b>	Sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B	1.77	2.08
<b>Gmfb</b>	Glia maturation factor, beta	0.76	2.08
<b>Pus1</b>	Pseudouridine synthase 1	2.05	2.08
<b>Rcn3</b>	Reticulocalbin 3, EF-hand calcium binding domain	-0.76	2.08
<b>Runx1</b>	Runt related transcription factor 1	-0.60	2.08
<b>Vangl2</b>	Vang-like 2 (van gogh, Drosophila)	2.05	2.08
<b>Serpina3n</b>	Serine (or cysteine) peptidase inhibitor, clade	-0.52	2.08

A, member 3N			
<b>Amz2</b>	Archaelysin family metallopeptidase 2	1.49	2.08
<b>Snx32</b>	Sorting nexin 32	1.05	2.07
<b>Hmgcs2</b>	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2	1.77	2.07
<b>Ttyh3</b>	Tweety homolog 3 (Drosophila)	0.83	2.07
<b>Slc38a3</b>	Solute carrier family 38, member 3	1.04	2.07
<b>Tagap1</b>	T-cell activation GTPase activating protein 1	-0.50	2.07
<b>E130306D19Rik</b>	Riken cDNA E130306D19 gene	-3.00	2.07
<b>Zfand5</b>	Zinc finger, AN1-type domain 5	0.75	2.07
<b>Csprs</b>	Component of Sp100-rs	-3.00	2.07
<b>Usp11</b>	Ubiquitin specific peptidase 11	1.04	2.07
<b>Gh</b>	Growth hormone	-3.00	2.07
<b>Stx11</b>	Syntaxin 11	-3.00	2.07
<b>Atp6v1a</b>	ATPase, H <sup>+</sup> transporting, lysosomal V1 subunit A	0.74	2.07
<b>Cdkn2d</b>	Cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	1.03	2.07
<b>Itgae</b>	Integrin alpha E, epithelial-associated	-3.00	2.07
<b>Dmxl1</b>	Dmx-like 1	1.04	2.07
<b>Cyba</b>	Cytochrome b-245, alpha polypeptide	2.26	2.07
<b>Gm14391</b>	Predicted gene 14391	1.73	2.07
<b>Arhgef4</b>	Rho guanine nucleotide exchange factor (GEF) 4	0.69	2.07
<b>Mbnl2</b>	Muscleblind-like 2	0.77	2.07
<b>Herc1</b>	Hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (RLD) 1	1.00	2.07
<b>Gps1</b>	G protein pathway suppressor 1	-0.50	2.07
<b>Agbl4</b>	ATP/GTP binding protein-like 4	-1.12	2.07
<b>Sord</b>	Sorbitol dehydrogenase	-0.51	2.06
<b>Txnrd1</b>	Thioredoxin reductase 1	0.87	2.06
<b>1700021K19Rik</b>	Riken cDNA 1700021K19 gene	1.35	2.06
<b>Gsn</b>	Gelsolin	1.34	2.06
<b>Il1rl1</b>	Interleukin 1 receptor-like 1	-1.81	2.06
<b>Capsl</b>	Calcyphosine-like	2.58	2.06
<b>Gadl1</b>	Glutamate decarboxylase-like 1	-1.47	2.06
<b>Gng5</b>	Guanine nucleotide binding protein (G protein), gamma 5	-0.47	2.06
<b>1700001J11Rik</b>	Riken cDNA 1700001J11 gene	2.53	2.06
<b>Best1</b>	Bestrophin 1	2.12	2.06
<b>Efcab7</b>	EF-hand calcium binding domain 7	-0.78	2.05
<b>Tmprss11a</b>	Transmembrane protease, Serine 11a	2.17	2.05
<b>Lgi2</b>	Leucine-rich repeat LGI family, member 2	2.12	2.05
<b>Sympk</b>	Symplekin	0.90	2.05
<b>Tnfrsf10b</b>	Tumor necrosis factor receptor superfamily, member 10b	-0.67	2.05
<b>Trim46</b>	Tripartite motif-containing 46	0.65	2.05
<b>Kcnh3</b>	Potassium voltage-gated channel, subfamily H (eag-related), member 3	1.28	2.05
<b>Fdx1</b>	Ferredoxin 1	-0.58	2.05
<b>Cenpn</b>	Centromere protein N	-1.16	2.05
<b>Grtp1</b>	GH regulated TBC protein 1	-1.08	2.05
<b>Rgl1</b>	Ral guanine nucleotide dissociation stimulator, like 1	0.73	2.04
<b>BC005537</b>	cDNA sequence BC005537	0.85	2.04

<b>Rbl2</b>	Retinoblastoma-like 2	1.32	2.04
<b>Ufsp2</b>	UFM1-specific peptidase 2	1.83	2.04
<b>Rpl11</b>	Ribosomal protein L11	-0.49	2.04
<b>Psm4</b>	Proteasome (prosome, macropain) subunit, alpha type 4	0.73	2.04
<b>Hs3st2</b>	Heparan sulfate (glucosamine) 3-O-sulfotransferase 2	-0.71	2.04
<b>Ube2e3</b>	Ubiquitin-conjugating enzyme E2E 3, UBC4/5 homolog (yeast)	1.37	2.04
<b>Wbp11</b>	WW domain binding protein 11	0.74	2.03
<b>Wnt4</b>	Wingless-related MMTV integration site 4	3.00	2.03
<b>Mc3r</b>	Melanocortin 3 receptor	3.00	2.03
<b>Tekt2</b>	Tektin 2	3.00	2.03
<b>Lrrc38</b>	Leucine rich repeat containing 38	3.00	2.03
<b>Ptpn6</b>	Protein tyrosine phosphatase, non-receptor type 6	-1.38	2.03
<b>Itgb6</b>	Integrin beta 6	2.58	2.03
<b>Pigq</b>	Phosphatidylinositol glycan anchor biosynthesis, class Q	0.76	2.03
<b>Rhpn2</b>	Rhopilin, Rho GTPase binding protein 2	3.00	2.03
<b>Fam19a4</b>	Family with sequence similarity 19, member A4	2.14	2.03
<b>Pcdha3</b>	Protocadherin alpha 3	-0.86	2.03
<b>Pcdha7</b>	Protocadherin alpha 7	-0.86	2.03
<b>Zfp619</b>	Zinc finger protein 619	3.00	2.03
<b>Glpr2</b>	GLI pathogenesis-related 2	3.00	2.03
<b>Ankra2</b>	Ankyrin repeat, family A (RFXANK-like), 2	-0.47	2.03
<b>Rfx1</b>	Regulatory factor X, 1 (influences HLA class II expression)	1.24	2.02
<b>Nyx</b>	Nyctalopin	3.00	2.02
<b>Myh4</b>	Myosin, heavy polypeptide 4, skeletal muscle	-2.46	2.02
<b>Lgi4</b>	Leucine-rich repeat LGI family, member 4	1.28	2.02
<b>Bat2</b>	Proline-rich coiled-coil 2A	0.63	2.02
<b>Htatsf1</b>	HIV TAT specific factor 1	0.74	2.02
<b>1810046J19Rik</b>	Riken cDNA 1810046J19 gene	-0.49	2.02
<b>Grin2b</b>	Glutamate receptor, ionotropic, NMDA2B (epsilon 2)	0.60	2.02
<b>Cap1</b>	CAP, adenylate cyclase-associated protein 1 (yeast)	-0.47	2.02
<b>Zfp622</b>	Zinc finger protein 622	0.75	2.02
<b>Gpbp1l1</b>	GC-rich promoter binding protein 1-like 1	-0.54	2.02
<b>Ryr2</b>	Ryanodine receptor 2, cardiac	0.64	2.02
<b>Sv2c</b>	Synaptic vesicle glycoprotein 2c	2.00	2.01
<b>Marvel1</b>	MARVEL (membrane-associating) domain containing 1	1.74	2.01
<b>Cog5</b>	Component of oligomeric golgi complex 5	1.82	2.01
<b>4930572J05Rik</b>	Riken cDNA 4930572J05 gene	0.64	2.01
<b>Napb</b>	N-ethylmaleimide sensitive fusion protein attachment protein beta	0.69	2.01
<b>A730017C20Rik</b>	Riken cDNA A730017C20 gene	-0.48	2.01
<b>Rexo4</b>	REX4, RNA exonuclease 4 homolog	-0.48	2.01
<b>Papd4</b>	PAP associated domain containing 4	1.35	2.01
<b>Zfp871</b>	Zinc finger protein 871	1.10	2.01
<b>Hist1h2be</b>	Histone cluster 1, H2be	-1.51	2.00
<b>Kctd8</b>	Potassium channel tetramerisation domain containing 8	-0.79	2.00