

Table S1: List of 297 genes identified to be significantly different expressed in the hippocampus of HR vs. LR mice according to univariate analysis of the microarray experiment. Genes are sorted according to ascending adjusted p-values. Positive values in the fold change column indicate higher expression in HR than in LR, negative values higher expression in LR than in HR mice. Gene symbols marked with '*' show genes detected with more than one hybridization probe in the array. Respective fold changes and adjusted p-values are listed as mean values.

Gene symbol	Gene name	Fold change	Adjusted p-value
<i>Ttbk1</i>	Tau tubulin kinase 1	6.17	2.92×10^{-14}
<i>Cyp4f14</i>	Cytochrome P450, family 4, subfamily f, polypeptide 14	2.30	2.06×10^{-10}
<i>Cyp4f15</i>	Cytochrome P450, family 4, subfamily f, polypeptide 15	2.51	2.44×10^{-9}
<i>Mthfd1</i>	Methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthase	-2.56	8.44×10^{-9}
<i>Aldh1l1</i>	Aldehyde dehydrogenase 1 family, member L1	2.03	2.43×10^{-8}
<i>LOC100047937 *</i>	10-Formyltetrahydrofolate dehydrogenase-like	2.21	7.38×10^{-8}
<i>Aars</i>	Alanyl-tRNA synthetase	1.66	1.83×10^{-7}
<i>Slc25a34</i>	Solute carrier family 25, member 34	1.81	1.91×10^{-7}
<i>Chst10</i>	Carbohydrate sulfotransferase 10	3.08	3.09×10^{-7}
<i>LOC638301</i>	Similar to Interferon-activatable protein 204	2.73	3.90×10^{-7}
<i>Mff</i>	Mitochondrial fission factor	-10.13	4.64×10^{-7}
<i>Myo1f</i>	Myosin IF	1.79	2.41×10^{-6}
<i>Tmem132d</i>	Transmembrane protein 132D	-2.20	2.71×10^{-6}
<i>Zfp472</i>	Zinc finger protein 472	1.81	3.19×10^{-6}
<i>B930008G09Rik</i>	Riken cDNA B930008G09 gene	1.81	3.43×10^{-6}
<i>Tbc1d9b</i>	TBC1 domain family, member 9B	1.66	9.05×10^{-6}
<i>Bmp2k *</i>	BMP2 inducible kinase	1.87	1.20×10^{-5}
<i>Bub3</i>	Budding uninhibited by benzimidazoles 3 homolog	-1.44	1.42×10^{-5}
<i>Akr1e1</i>	Aldo-keto reductase family 1, member E1	-1.93	1.50×10^{-5}
<i>Glp2r</i>	Glucagon-like peptide 2 receptor	2.19	1.54×10^{-5}
<i>Pex6</i>	Peroxisomal biogenesis factor 6	1.44	1.60×10^{-5}
<i>Hsp90ab1</i>	Heat shock protein 90 alpha (cytosolic), class B member 1	3.13	2.22×10^{-5}
<i>Fmn2</i>	Formin 2	3.14	3.26×10^{-5}
<i>Tmem106b</i>	Transmembrane protein 106B	-6.38	4.13×10^{-5}
<i>Stx8</i>	Syntaxin 8	2.28	4.35×10^{-5}
<i>Adam22</i>	A disintegrin and metallopeptidase domain 22	2.20	4.42×10^{-5}
<i>Fxr2</i>	Fragile X mental retardation, autosomal homolog 2	-2.60	5.00×10^{-5}
<i>Cdc5l</i>	Cell division cycle 5-like	1.84	5.17×10^{-5}
<i>Adora2b</i>	Adenosine A2b receptor	-1.92	6.58×10^{-5}
<i>Spast</i>	Spastin	1.38	7.28×10^{-5}
<i>Gstm1</i>	Glutathione S-transferase, mu 1	1.33	7.88×10^{-5}
<i>Masp2 *</i>	Mannan-binding lectin serine peptidase 2	3.25	9.37×10^{-5}
<i>Zfp157</i>	Zinc finger protein 157	1.84	1.21×10^{-4}
<i>Ccbl2</i>	Cysteine conjugate-beta lyase 2	1.43	1.39×10^{-4}

<i>Plekha5</i>	Pleckstrin homology domain containing, family A member 5	-1.71	1.41 x 10 ⁻⁴
<i>Zfp871</i>	Zinc finger protein 871	6.50	1.41 x 10 ⁻⁴
<i>Papss2</i> *	3'-Phosphoadenosine 5'-phosphosulfate synthase 2	1.65	1.49 x 10 ⁻⁴
<i>Gtf2ird2</i>	GTF2I repeat domain containing 2	-3.05	1.74 x 10 ⁻⁴
<i>Rgl1</i>	Ral guanine nucleotide dissociation stimulator-like 1	4.26	1.74 x 10 ⁻⁴
<i>Nrn1l</i>	Neuritin 1-like	1.39	1.80 x 10 ⁻⁴
<i>Ankle2</i>	Ankyrin repeat and LEM domain containing 2	-1.38	2.27 x 10 ⁻⁴
<i>Zfp870</i>	Zinc finger protein 870	-1.49	2.40 x 10 ⁻⁴
<i>Mrpl10</i>	Mitochondrial ribosomal protein L10	-4.26	2.74 x 10 ⁻⁴
<i>Kcnq5</i> *	Potassium voltage-gated channel, subfamily Q, member 5	4.62	2.76 x 10 ⁻⁴
<i>Ehd3</i>	EH-domain containing 3	2.41	2.80 x 10 ⁻⁴
<i>Ypel5</i>	Yippee-like 5	-2.15	2.80 x 10 ⁻⁴
<i>Dap3</i> *	Death associated protein 3	1.96	3.35 x 10 ⁻⁴
<i>Elac2</i>	ElaC homolog 2	-1.95	3.44 x 10 ⁻⁴
<i>LOC100047273</i>	Hypothetical protein LOC100047273	1.49	3.46 x 10 ⁻⁴
<i>D430030C18Rik</i>	Riken cDNA D430030C18 gene	-1.83	3.98 x 10 ⁻⁴
<i>LOC622901</i>	Predicted gene 6368	-2.38	4.02 x 10 ⁻⁴
<i>Tmem82</i>	Transmembrane protein 82	1.51	4.14 x 10 ⁻⁴
<i>Sap130</i>	Sin3A associated protein	1.33	4.29 x 10 ⁻⁴
<i>Slc41a3</i> *	Solute carrier family 41, member 3	1.55	4.50 x 10 ⁻⁴
<i>Slco1c1</i>	Solute carrier organic anion transporter family, member 1c1	-6.37	5.23 x 10 ⁻⁴
<i>Ash1l</i>	Ash1 (absent, small, or homeotic)-like	2.32	6.11 x 10 ⁻⁴
<i>Adat1</i>	Adenosine deaminase, tRNA-specific 1	-1.40	6.39 x 10 ⁻⁴
<i>Tyms-ps</i> *	Thymidylate synthase, pseudogene	1.38	6.42 x 10 ⁻⁴
<i>Cyp4f16</i>	Cytochrome P450, family 4, subfamily f, polypeptide 16	1.66	7.76 x 10 ⁻⁴
<i>Krt9</i>	Keratin 9	-1.85	7.79 x 10 ⁻⁴
<i>Ppil3</i>	Peptidylprolyl isomerase (cyclophilin)-like 3	1.37	8.30 x 10 ⁻⁴
<i>LOC629364</i>	Predicted pseudogene 16372	-1.63	8.70 x 10 ⁻⁴
<i>Gstz1</i>	Glutathione transferase zeta 1 (maleylacetoacetate isomerase)	1.39	8.70 x 10 ⁻⁴
<i>9030016H15Rik</i>	Riken cDNA 9030016H15 gene	2.24	9.04 x 10 ⁻⁴
<i>Sdhaf1</i>	Succinate dehydrogenase complex assembly factor 1	-4.42	9.37 x 10 ⁻⁴
<i>Rrp36</i>	Ribosomal RNA processing 36 homolog	1.34	9.89 x 10 ⁻⁴
<i>Sec22c</i> *	SEC22 vesicle trafficking protein homolog C	1.79	1.02 x 10 ⁻³
<i>Stk32a</i>	Serine/threonine kinase 32A	1.34	1.10 x 10 ⁻³
<i>Vwa5a</i>	von Willebrand factor A domain containing 5A	1.70	1.10 x 10 ⁻³
<i>Ldb3</i>	LIM domain binding 3	-1.69	1.10 x 10 ⁻³
<i>Ccdc164</i>	Coiled-coil domain containing 164	-1.44	1.21 x 10 ⁻³
<i>5830417110Rik</i>	Riken cDNA 5830417110 gene	1.86	1.32 x 10 ⁻³
<i>3110079O15Rik</i>	Riken cDNA 3110079O15 gene	-1.40	1.50 x 10 ⁻³
<i>Itgae</i> *	Integrin alpha E, epithelial-associated	-1.54	1.61 x 10 ⁻³
<i>Slc25a17</i>	Solute carrier family 25 (mitochondrial carrier, peroxisomal membrane protein), member 17	-1.85	1.66 x 10 ⁻³
<i>Pank3</i>	Pantothenate kinase 3	2.08	1.66 x 10 ⁻³

Folh1	Folate hydrolase	1.45	1.68 x 10 ⁻³
2610305D13Rik	Riken cDNA 2610305D13 gene	1.41	1.77 x 10 ⁻³
Slc35b2	Solute carrier family 35, member B2	1.38	1.83 x 10 ⁻³
Gats	GATS protein-like 2	-1.28	1.83 x 10 ⁻³
Tmf1	TATA element modulatory factor 1	-1.48	1.87 x 10 ⁻³
Chd3	Chromodomain helicase DNA binding protein 3	-1.30	1.95 x 10 ⁻³
Mad2l1bp	MAD2L1 binding protein	1.80	2.01 x 10 ⁻³
Gprasp1	G protein-coupled receptor associated sorting protein 1	1.51	2.17 x 10 ⁻³
Il33	Interleukin 33	2.20	2.25 x 10 ⁻³
Nrarp	Notch-regulated ankyrin repeat protein	1.34	2.44 x 10 ⁻³
Nme7	Non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase)	-1.45	2.56 x 10 ⁻³
Cd97	CD97 antigen	1.30	2.56 x 10 ⁻³
Coq2	Coenzyme Q2 homolog, prenyltransferase	-4.50	2.97 x 10 ⁻³
Mndal	Myeloid nuclear differentiation antigen like	1.62	3.19 x 10 ⁻³
Prosc	Proline synthetase co-transcribed	-1.52	3.36 x 10 ⁻³
Rmnd1	Required for meiotic nuclear division 1 homolog	-2.25	3.36 x 10 ⁻³
Fbxo6	F-box protein 6	-1.34	3.39 x 10 ⁻³
A930023F12Rik	Riken cDNA A930023F12 gene	-1.76	3.43 x 10 ⁻³
LOC100044204 *	n. a.	1.39	4.12 x 10 ⁻³
Tnfrsf22	Tumor necrosis factor receptor superfamily, member 22	1.36	4.28 x 10 ⁻³
C730004I03Rik	Riken cDNA C730004I03 gene	2.43	4.28 x 10 ⁻³
Col20a1	Collagen, type XX, alpha 1	-1.68	4.38 x 10 ⁻³
Fbxo2	F-box protein 2	-1.32	4.76 x 10 ⁻³
Golt1b	Golgi transport 1 homolog B	1.56	4.76 x 10 ⁻³
Darc	Duffy blood group, chemokine receptor	1.27	4.76 x 10 ⁻³
Gm1698	Predicted gene 1698	1.40	4.76 x 10 ⁻³
Dbf4	DBF4 homolog	1.41	4.81 x 10 ⁻³
Timp4	Tissue inhibitor of metalloproteinase 4	1.34	4.87 x 10 ⁻³
Rsph9 *	Radial spoke head 9 homolog	1.63	4.91 x 10 ⁻³
Cebpg	CCAAT/enhancer binding protein (C/EBP), gamma	1.46	4.92 x 10 ⁻³
Chl1	Cell adhesion molecule with homology to L1CAM	1.76	4.99 x 10 ⁻³
LOC433801	Predicted gene 13212	1.72	5.22 x 10 ⁻³
OTTMUSG00000010673	Predicted gene 13154	1.67	5.26 x 10 ⁻³
Trim41	Tripartite motif-containing 41	-1.20	5.31 x 10 ⁻³
Spink10	Serine peptidase inhibitor, Kazal type 10	1.80	5.36 x 10 ⁻³
Zfp157	Zinc finger protein 157	1.47	5.41 x 10 ⁻³
Nt5dc3 *	5'-Nucleotidase domain containing 3	-2.61	5.53 x 10 ⁻³
Als2 *	Amyotrophic lateral sclerosis 2 (juvenile) homolog	1.29	5.61 x 10 ⁻³
Tcte1	T-complex-associated testis expressed 1	1.38	5.66 x 10 ⁻³
Kars	Lysyl-tRNA synthetase	1.25	5.87 x 10 ⁻³
Slc29a1	Solute carrier family 29 (nucleoside transporters), member 1	1.33	6.03 x 10 ⁻³
Zfp318	Zinc finger protein 318	1.66	6.03 x 10 ⁻³
Dcxr	Dicarbonyl L-xylulose reductase	1.28	6.19 x 10 ⁻³
Cnpy3	Canopy 3 homolog	1.45	6.41 x 10 ⁻³
Pvrl3	Poliovirus receptor-related 3	1.38	6.51 x 10 ⁻³
Abcb1b	ATP-binding cassette, sub-family B	1.93	6.92 x 10 ⁻³

	(MDR/TAP), member 1B		
<i>Plxnd1</i>	Plexin D1	-1.32	6.92×10^{-3}
<i>1600014C23Rik</i>	Riken cDNA 1600014C23 gene	-1.38	6.92×10^{-3}
<i>Hist1h2be</i>	Histone cluster 1, H2be	-1.87	6.92×10^{-3}
<i>Mobp</i>	Myelin-associated oligodendrocytic basic protein	1.59	6.92×10^{-3}
<i>Hgs</i>	HGF-regulated tyrosine kinase substrate	-1.39	6.92×10^{-3}
<i>9330160M08Rik</i>	Riken cDNA 9330160M08 gene	1.36	6.92×10^{-3}
<i>Dnaic1</i>	Dynein, axonemal, intermediate chain 1	1.32	6.92×10^{-3}
<i>Lbh</i>	Limb-bud and heart	-1.29	6.92×10^{-3}
<i>Hey2 *</i>	Hairy/enhancer-of-split related with YRPW motif 2	1.38	6.94×10^{-3}
<i>LOC626152</i>	Similar to Epiplakin	-1.36	7.31×10^{-3}
<i>D12Ert553e</i>	DNA segment, Chr 12, ERATO Doi 553, expressed	-1.21	7.43×10^{-3}
<i>D330025A21Rik</i>	Riken cDNA D330025A21 gene	-1.39	7.52×10^{-3}
<i>Polr1c</i>	Polymerase (RNA) I polypeptide C	1.58	7.79×10^{-3}
<i>D130078K04Rik</i>	Riken cDNA D130078K04 gene	-1.77	7.96×10^{-3}
<i>Emb</i>	Embigin	11.74	8.06×10^{-3}
<i>Msi2</i>	Musashi homolog 2	1.31	8.07×10^{-3}
<i>E430003D02Rik</i>	Riken cDNA E430003D02 gene	1.85	8.07×10^{-3}
<i>Serpinf1</i>	Serine (or cysteine) peptidase inhibitor, clade F, member 1	-1.49	8.31×10^{-3}
<i>Sh3gl2</i>	SH3-domain GRB2-like 2	1.45	8.34×10^{-3}
<i>Prodh *</i>	Proline dehydrogenase	1.32	8.38×10^{-3}
<i>4921513D23Rik</i>	Riken cDNA 4921513D23 gene	3.53	8.46×10^{-3}
<i>9330197B14Rik</i>	Riken cDNA 9330197B14 gene	2.37	8.46×10^{-3}
<i>Brf2</i>	BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like	-1.97	8.53×10^{-3}
<i>Rmnd1</i>	Required for meiotic nuclear division 1 homolog	-2.50	8.66×10^{-3}
<i>D330040L23Rik</i>	Riken cDNA D330040L23 gene	-1.62	8.74×10^{-3}
<i>Krr1 *</i>	KRR1, small subunit (SSU) processome component, homolog	-2.11	9.28×10^{-3}
<i>Gstk1 *</i>	Glutathione S-transferase kappa 1	1.35	9.37×10^{-3}
<i>A730085F06Rik</i>	Riken cDNA A730085F06 gene	1.46	9.54×10^{-3}
<i>Aebp2 *</i>	AE binding protein 2	-1.36	9.61×10^{-3}
<i>Hhatl</i>	Hedgehog acyltransferase-like	-1.76	9.64×10^{-3}
<i>Hist1h1c</i>	Histone cluster 1, H1c	1.59	9.64×10^{-3}
<i>G6pc3</i>	Glucose 6 phosphatase, catalytic, 3	1.32	9.69×10^{-3}
<i>Sox5</i>	SRY-box containing gene 5	1.62	9.89×10^{-3}
<i>LOC544988</i>	n. a.	1.68	1.03×10^{-2}
<i>Acy1 *</i>	Aminoacylase 1	1.31	1.06×10^{-2}
<i>Apol2</i>	Apolipoprotein L 8	-1.37	1.07×10^{-2}
<i>Rpain</i>	RPA interacting protein	-2.06	1.08×10^{-2}
<i>Gm949</i>	Predicted gene 949	2.01	1.11×10^{-2}
<i>Abcc10</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	-1.64	1.12×10^{-2}
<i>EG433224</i>	Predicted gene 5512	-2.03	1.14×10^{-2}
<i>Tmtc2</i>	Transmembrane and tetratricopeptide repeat containing 2	1.29	1.18×10^{-2}
<i>Hfe</i>	Hemochromatosis	1.49	1.19×10^{-2}
<i>Pthr1</i>	Parathyroid hormone 1 receptor	-1.22	1.21×10^{-2}
<i>D830013H23Rik</i>	Riken cDNA D830013H23 gene	1.27	1.28×10^{-2}
<i>Sh2d6</i>	SH2 domain containing 6	-1.29	1.28×10^{-2}
<i>BC065397 *</i>	cDNA sequence BC065397	-1.38	1.28×10^{-2}

<i>Usp38</i>	Ubiquitin specific peptidase 38	-2.46	1.31 x 10 ⁻²
<i>Ugt1a10</i> *	UDP glycosyltransferase 1 family, polypeptide A10	1.32	1.32 x 10 ⁻²
<i>Rpl10a</i>	Ribosomal protein L10A	-1.27	1.34 x 10 ⁻²
<i>Gpld1</i>	Glycosylphosphatidylinositol specific phospholipase D1	-2.05	1.34 x 10 ⁻²
<i>LOC331139</i>	Hypothetical gene supported by AK029949; AK048672	1.65	1.37 x 10 ⁻²
<i>Foxred2</i>	FAD-dependent oxidoreductase domain containing 2	1.28	1.43 x 10 ⁻²
<i>Nkd1</i>	Naked cuticle 1 homolog	1.34	1.43 x 10 ⁻²
<i>Gp38</i>	Podoplanin	-1.29	1.47 x 10 ⁻²
<i>Ascc2</i> *	Activating signal cointegrator 1 complex subunit 2	-1.26	1.48 x 10 ⁻²
<i>D130051O21Rik</i>	Riken cDNA D130051O21 gene	2.35	1.54 x 10 ⁻²
<i>Zfp78</i> *	Zinc finger protein 78	-1.44	1.58 x 10 ⁻²
<i>Slc1a2</i>	Solute carrier family 1 (glial high affinity glutamate transporter), member 2	1.32	1.58 x 10 ⁻²
<i>Nploc4</i>	Nuclear protein localization 4 homolog	1.38	1.58 x 10 ⁻²
<i>Rps24</i>	Ribosomal protein S24	-1.35	1.62 x 10 ⁻²
<i>Gabrg2</i>	Gamma-aminobutyric acid (GABA) A receptor, subunit gamma 2	2.58	1.63 x 10 ⁻²
<i>Klc4</i>	Kinesin light chain 4	1.25	1.63 x 10 ⁻²
<i>Rftn2</i>	Raftlin family member 2	-4.63	1.65 x 10 ⁻²
<i>Sybu</i>	Syntabulin (syntaxin-interacting)	1.63	1.68 x 10 ⁻²
<i>Chst5</i>	Carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	-1.33	1.68 x 10 ⁻²
<i>Elovl4</i>	Elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4	1.42	1.73 x 10 ⁻²
<i>Zfp422-rs1</i> *	Zinc finger protein 422, related sequence 1	1.73	1.79 x 10 ⁻²
<i>4930522L14Rik</i>	Riken cDNA 4930522L14 gene	-1.30	1.85 x 10 ⁻²
<i>Tmem138</i>	Transmembrane protein 138	-1.38	1.85 x 10 ⁻²
<i>Dusp23</i>	Dual specificity phosphatase 23	1.23	1.88 x 10 ⁻²
<i>Lca5</i>	Leber congenital amaurosis 5	1.41	1.88 x 10 ⁻²
<i>Zfp940</i>	Zinc finger protein 940	1.93	1.94 x 10 ⁻²
<i>LOC670089</i>	Similar to coronin, actin binding protein 1C	-1.34	1.94 x 10 ⁻²
<i>Dbx2</i>	Developing brain homeobox 2	-1.69	1.95 x 10 ⁻²
<i>Aars2</i>	Alanyl-tRNA synthetase 2, mitochondrial (putative)	-1.30	1.97 x 10 ⁻²
<i>Hist1h2bm</i>	Histone cluster 1, H2bm	-1.94	2.08 x 10 ⁻²
<i>9630018J20Rik</i>	Riken cDNA 9630018J20 gene	-1.88	2.09 x 10 ⁻²
<i>Hapln4</i>	Hyaluronan and proteoglycan link protein 4	1.43	2.12 x 10 ⁻²
<i>Ift122</i>	Intraflagellar transport 122 homolog	-1.32	2.12 x 10 ⁻²
<i>Slc24a6</i>	Solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	-1.26	2.15 x 10 ⁻²
<i>Msh6</i>	MutS homolog 6	1.19	2.28 x 10 ⁻²
<i>Crtac1</i>	Cartilage acidic protein 1	1.30	2.31 x 10 ⁻²
<i>Cbs</i>	Cystathionine beta-synthase	1.29	2.31 x 10 ⁻²
<i>Tkt</i>	Transketolase	-1.29	2.34 x 10 ⁻²
<i>6330500D04Rik</i>	Family with sequence similarity 65, member B	-1.80	2.34 x 10 ⁻²
<i>Mrpl3</i> *	Mitochondrial ribosomal protein L3	1.53	2.39 x 10 ⁻²
<i>LOC100044430</i>	n. a.	1.35	2.40 x 10 ⁻²

2810451K12Rik	Riken cDNA 9130017K11 gene	-1.37	2.44×10^{-2}
Cux2	Cut-like homeobox 2	-1.46	2.44×10^{-2}
A430079E08	Predicted gene 5887	1.19	2.52×10^{-2}
4930429B21Rik	Riken cDNA 4930429B21 gene	1.40	2.65×10^{-2}
Alox5ap	Arachidonate 5-lipoxygenase activating protein	-1.21	2.72×10^{-2}
Atp6v1g1	ATPase, H ⁺ transporting, lysosomal V1 subunit G1	-1.27	2.72×10^{-2}
Tmem299a	Transmembrane protein 229A	1.22	2.75×10^{-2}
LOC385615	n. a.	-1.25	2.85×10^{-2}
Cdk3	Cyclin-dependent kinase 3, pseudogene	-1.24	2.98×10^{-2}
Insig1	Insulin induced gene 1	-1.44	3.07×10^{-2}
Lgals9	Lectin, galactose binding, soluble 9	-1.24	3.07×10^{-2}
Them2	Acyl-CoA thioesterase 13	-1.38	3.07×10^{-2}
Msh3	MutS homolog 3	1.29	3.09×10^{-2}
LOC383110	n. a.	1.30	3.12×10^{-2}
Skp2	S-phase kinase-associated protein 2 (p45)	1.60	3.16×10^{-2}
Pdyn	Prodynorphin	-1.25	3.19×10^{-2}
6720475J19Rik	Riken cDNA 6720475J19 gene	1.49	3.20×10^{-2}
Ccno	Cyclin O	1.25	3.20×10^{-2}
A030001A03Rik	n. a.	1.46	3.20×10^{-2}
Cyp4f13	Cytochrome P450, family 4, subfamily f, polypeptide 13	-1.33	3.26×10^{-2}
E030017D19Rik	Riken cDNA E030017D19 gene	-1.31	3.26×10^{-2}
Scd1	Stearoyl-Coenzyme A desaturase 1	-1.24	3.26×10^{-2}
Clec2e	C-type lectin domain family 2, member e	-1.30	3.32×10^{-2}
D430041D05Rik	Riken cDNA D430041D05 gene	1.89	3.33×10^{-2}
Nfya	Nuclear transcription factor-Y alpha	1.26	3.37×10^{-2}
Acot11	Acyl-CoA thioesterase 11	1.21	3.39×10^{-2}
Samsn1	SAM domain, SH3 domain and nuclear localization signals, 1	-2.01	3.41×10^{-2}
Ccm2	Cerebral cavernous malformation 2 homolog	1.32	3.43×10^{-2}
Vti1a	Vesicle transport through interaction with t-SNAREs homolog 1A	1.22	3.43×10^{-2}
Dock10	Dedicator of cytokinesis 10	1.36	3.46×10^{-2}
Gtf3c1	General transcription factor III C 1	-1.30	3.47×10^{-2}
C130072A16Rik	Riken cDNA C130072A16 gene	1.61	3.50×10^{-2}
Vmn2r122	Vomerolnasal 2, receptor, 122	-1.34	3.54×10^{-2}
Yipf3	Yip1 domain family, member 3	-1.21	3.54×10^{-2}
Kazn	Kazrin, periplakin interacting protein	-1.23	3.59×10^{-2}
A730017C20Rik	Riken cDNA A730017C20 gene	-1.37	3.60×10^{-2}
LOC380655	Hypothetical LOC380655	1.40	3.61×10^{-2}
Rabep1	Rabaptin, RAB GTPase binding effector protein 1	1.21	3.61×10^{-2}
Pde6c	Phosphodiesterase 6C, cGMP specific, cone, alpha prime	-1.23	3.65×10^{-2}
LOC100047788	Ig gamma-2A chain C region secreted form-like	-1.27	3.81×10^{-2}
Cdc37l1	Cell division cycle 37 homolog (S. cerevisiae)-like 1	1.50	3.84×10^{-2}
9330158N06Rik	Riken cDNA 9330158N06 gene	1.56	3.84×10^{-2}
Top1mt	DNA topoisomerase 1, mitochondrial	1.19	3.89×10^{-2}
Myh9	Myosin, heavy polypeptide 9, non-muscle	-1.38	3.89×10^{-2}
Lhx9	LIM homeobox protein 9	1.23	4.01×10^{-2}
Chi3l1	Chitinase 3-like 1	1.24	4.04×10^{-2}

<i>Rab14</i>	Intraflagellar transport 27 homolog	1.22	4.05×10^{-2}
<i>Dgkh</i>	Diacylglycerol kinase, eta	-4.41	4.10×10^{-2}
<i>Acot1</i>	Acyl-CoA thioesterase 1	1.28	4.16×10^{-2}
<i>Zfp69</i>	Zinc finger protein 69	-1.19	4.16×10^{-2}
<i>Pcdh21</i>	Cadherin-related family member 1	-1.33	4.16×10^{-2}
<i>Nipsnap1</i>	4-Nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1	-1.43	4.16×10^{-2}
<i>2900052N01Rik</i>	Riken cDNA 2900052N01 gene	1.34	4.16×10^{-2}
<i>D030034I04Rik</i>	Riken cDNA D030034I04 gene	1.62	4.16×10^{-2}
<i>Traf6</i>	TNF receptor-associated factor 6	1.62	4.21×10^{-2}
<i>LOC381904</i>	Hypothetical gene supported by BC044745	4.00	4.21×10^{-2}
<i>Acaa2</i>	Acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	1.41	4.21×10^{-2}
<i>Mtus1</i>	Mitochondrial tumor suppressor 1	1.26	4.26×10^{-2}
<i>Chst8</i>	Carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8	-1.34	4.26×10^{-2}
<i>Acss1</i>	Acyl-CoA synthetase short-chain family member 1	1.20	4.26×10^{-2}
<i>Atg3</i>	Autophagy-related 3	-3.14	4.26×10^{-2}
<i>1810049H13Rik</i>	Riken cDNA 1810049H13 gene	-1.27	4.26×10^{-2}
<i>LOC380844</i>	n. a.	1.26	4.26×10^{-2}
<i>Mpp4</i>	Membrane protein, palmitoylated 4 (MAGUK p55 subfamily member 4)	-1.25	4.26×10^{-2}
<i>Impad1</i>	Inositol monophosphatase domain containing 1	1.39	4.26×10^{-2}
<i>Gcdh</i>	Glutaryl-Coenzyme A dehydrogenase	1.18	4.26×10^{-2}
<i>Dbt</i>	Dihydrolipoamide branched chain transacylase E2	1.21	4.26×10^{-2}
<i>Htr4</i>	5 Hydroxytryptamine (serotonin) receptor 4	-1.31	4.26×10^{-2}
<i>Ift74</i>	Intraflagellar transport 74 homolog	1.26	4.26×10^{-2}
<i>LOC100044756</i>	Similar to PX domain-containing protein kinase-like protein (Modulator of Na,K-ATPase)	-1.83	4.32×10^{-2}
<i>Ublcp1</i>	Ubiquitin-like domain containing CTD phosphatase 1	1.20	4.39×10^{-2}
<i>Hpgd</i>	Hydroxyprostaglandin dehydrogenase 15 (NAD)	1.59	4.51×10^{-2}
<i>BC049806</i>	Family with sequence similarity 126, member B	-1.24	4.56×10^{-2}
<i>H2-Q6</i>	Histocompatibility 2, Q region locus 6	-1.59	4.73×10^{-2}
<i>Itgbl1</i>	Integrin, beta-like 1	1.46	4.74×10^{-2}
<i>Tmem218</i>	Transmembrane protein 218	-1.21	4.74×10^{-2}
<i>Tsc22d4</i>	TSC22 domain family, member 4	1.22	4.74×10^{-2}
<i>Ccdc33</i>	Coiled-coil domain containing 33	-1.44	4.82×10^{-2}
<i>LOC380888</i>	Similar to ribosomal protein S24	1.51	4.86×10^{-2}
<i>Ddx6</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6	1.44	4.87×10^{-2}
<i>E130207H16Rik</i>	Riken cDNA E130207H16 gene	-1.87	4.87×10^{-2}
<i>Pdk2</i>	Pyruvate dehydrogenase kinase, isoenzyme 2	1.37	4.92×10^{-2}
<i>LOC100047486</i>	n. a.	-1.49	4.93×10^{-2}
<i>Htr1f</i>	5-Hydroxytryptamine (serotonin) receptor	1.44	4.94×10^{-2}

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<i>Selenbp2</i>	Selenium binding protein 2	1.31	4.94×10^{-2}
<i>Rep15</i>	RAB15 effector protein	-1.28	4.94×10^{-2}
<i>Oplah</i>	5-Oxoprolinase (ATP-hydrolysing)	1.24	4.95×10^{-2}
<i>LOC100041516</i>	Transmembrane protein C9orf144B homolog	1.92	4.95×10^{-2}