

Table S2. Differentially expressed genes between WT control and VILI-exposed WT mice

Gene symbol	Gene title	FC ^a	FDR (%)
<i>Zfp467</i>	zinc finger protein 467	0.05	0.0
<i>Hspa1a</i>	heat shock protein 1A	0.06	0.0
<i>Hspa1b</i>	heat shock protein 1B	0.06	0.0
<i>Gm1337</i>	predicted gene 1337	0.07	0.0
<i>Gm15453 /// Rbm3</i>	predicted gene 15453 /// RNA binding motif protein 3	0.09	0.0
<i>Dbp</i>	D site albumin promoter binding protein	0.10	0.0
<i>Car3</i>	carbonic anhydrase 3	0.13	0.0
<i>Gm8267</i>	predicted gene 8267	0.15	0.0
<i>Foxj1</i>	forkhead box J1	0.18	0.0
<i>Sox18</i>	SRY-box containing gene 18	0.19	0.0
<i>Per3</i>	Period homolog 3 (Drosophila)	0.19	0.0
<i>2210020M01Rik</i>	RIKEN cDNA 2210020M01 gene	0.19	0.0
<i>Fbxo30</i>	F-box protein 30	0.20	0.0
<i>Klhdc5</i>	kelch domain containing 5	0.20	0.0
<i>Akap14</i>	A kinase (PRKA) anchor protein 14	0.20	0.0
<i>Fam13a</i>	family with sequence similarity 13, member A	0.21	0.0
<i>Klf2</i>	Kruppel-like factor 2 (lung)	0.21	0.0
<i>2810055F11Rik</i>	RIKEN cDNA 2810055F11 gene	0.21	0.0
<i>Cyp2a4 /// Cyp2a5</i>	cytochrome P450, family 2, subfamily a, polypeptide 4 /// cytochrome P450, family 2, subfamily a, polypeptide 5	0.21	0.0
<i>Thap2</i>	THAP domain containing, apoptosis associated protein 2	0.22	0.0
<i>Ggtal</i>	glycoprotein galactosyltransferase alpha 1, 3	0.22	0.0
<i>Rassf9</i>	Ras association (RalGDS/AF-6) domain family (N-terminal) member 9	0.23	0.0
<i>Ptger2</i>	prostaglandin E receptor 2 (subtype EP2)	0.23	0.0
<i>Zfp667</i>	zinc finger protein 667	0.23	0.0
<i>6720407P12Rik</i>	RIKEN cDNA 6720407P12 gene	0.23	0.0
<i>Ccdc25</i>	coiled-coil domain containing 25	0.23	0.0
<i>Tppp</i>	tubulin polymerization promoting protein	0.23	0.0
<i>Rreb1</i>	ras responsive element binding protein 1	0.23	0.0
<i>Ttc3</i>	tetratricopeptide repeat domain 3	0.24	0.0
<i>Myb</i>	myeloblastosis oncogene	0.24	0.0
<i>AU021034</i>	expressed sequence AU021034	0.24	0.0
<i>Gpr182</i>	G protein-coupled receptor 182	0.24	0.0
<i>Fam47e</i>	family with sequence similarity 47, member E	0.24	0.0
<i>A430108G06Rik</i>	RIKEN cDNA A430108G06 gene	0.24	0.0
<i>Capn5</i>	calpain 5	0.25	0.0
<i>2900006K08Rik</i>	RIKEN cDNA 2900006K08 gene	0.25	0.0
<i>D4Wsu53e</i>	DNA segment, Chr 4, Wayne State University 53, expressed	0.26	0.0
<i>4930451C15Rik</i>	RIKEN cDNA 4930451C15 gene	0.26	0.0
<i>Nck1</i>	non-catalytic region of tyrosine kinase adaptor protein 1	0.26	0.0
<i>Npy1r</i>	neuropeptide Y receptor Y1	0.26	0.0
<i>Calcr1</i>	calcitonin receptor-like	0.26	0.0
<i>Thsd1</i>	thrombospondin, type I, domain 1	0.26	0.0
<i>Tekt4</i>	tektin 4	0.27	0.0

<i>2210019G11Rik</i>	RIKEN cDNA 2210019G11 gene	0.27	0.0
<i>Kank4</i>	KN motif and ankyrin repeat domains 4	0.27	0.0
<i>Dcdc2b</i>	doublecortin domain containing 2b	0.27	0.0
<i>A330076H08Rik</i>	RIKEN cDNA A330076H08 gene	0.27	0.0
<i>Cml3</i>	camello-like 3	0.27	0.0
<i>Lrrc36</i>	leucine rich repeat containing 36	0.27	0.0
<i>Fads6</i>	fatty acid desaturase domain family, member 6	0.27	0.0
<i>Polk</i>	polymerase (DNA directed), kappa	0.28	0.0
<i>Ubxn10</i>	UBX domain protein 10	0.28	0.0
<i>H2-T24</i>	histocompatibility 2, T region locus 24	0.28	0.0
<i>A530020G20Rik</i>	RIKEN cDNA A530020G20 gene	0.28	0.0
<i>Atat1</i>	alpha tubulin acetyltransferase 1	0.28	0.0
<i>D630039A03Rik</i>	RIKEN cDNA D630039A03 gene	0.29	0.0
<i>Dnajb1</i>	DnaJ (Hsp40) homolog, subfamily B, member 1	0.29	0.0
<i>2010007H06Rik</i>	RIKEN cDNA 2010007H06 gene	0.29	0.0
<i>N4bp3</i>	NEDD4 binding protein 3	0.29	0.0
<i>Grtp1</i>	GH regulated TBC protein 1	0.29	0.0
<i>Meox2</i>	mesenchyme homeobox 2	0.29	0.0
<i>Stard9</i>	START domain containing 9	0.29	0.0
<i>4833427G06Rik</i>	RIKEN cDNA 4833427G06 gene	0.29	0.0
<i>Dyx1c1</i>	dyslexia susceptibility 1 candidate 1 homolog (human)	0.29	0.0
<i>Lrrc17</i>	leucine rich repeat containing 17	0.29	0.0
<i>Cys1</i>	cystin 1	0.29	0.0
<i>Hlf</i>	hepatic leukemia factor	0.30	0.0
<i>Kif26b</i>	kinesin family member 26B	0.30	0.0
<i>Ube2b</i>	ubiquitin-conjugating enzyme E2B	0.30	0.0
<i>Hspa12b</i>	heat shock protein 12B	0.30	0.0
<i>Zfp420</i>	zinc finger protein 420	0.31	7.8
<i>Agphd1</i>	aminoglycoside phosphotransferase domain containing 1	0.31	0.0
<i>Chchd7</i>	Coiled-coil-helix-coiled-coil-helix domain containing 7	0.31	0.0
<i>Uty</i>	ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome	0.31	0.0
<i>Zbtb46</i>	zinc finger and BTB domain containing 46	0.31	0.0
<i>Senp7</i>	SUMO1/sentrin specific peptidase 7	0.31	0.0
<i>Cep70</i>	centrosomal protein 70	0.31	0.0
<i>Mxi1</i>	Max interacting protein 1	0.31	0.0
<i>Zfp760</i>	zinc finger protein 760	0.31	0.0
<i>Fgfr3</i>	fibroblast growth factor receptor 3	0.31	0.0
<i>Herc6</i>	hect domain and RLD 6	0.31	0.0
<i>Fhl1</i>	four and a half LIM domains 1	0.32	0.0
<i>Caps2</i>	calcyphosphine 2	0.32	0.0
<i>Hdac11</i>	histone deacetylase 11	0.32	0.0
<i>Prr18</i>	proline rich region 18	0.32	0.0
<i>1190005F20Rik</i>	RIKEN cDNA 1190005F20 gene	0.32	0.0
<i>Ezh1</i>	enhancer of zeste homolog 1 (Drosophila)	0.32	0.0
<i>Tcf21</i>	transcription factor 21	0.32	0.0
<i>Mtus2</i>	microtubule associated tumor suppressor candidate 2	0.32	0.0
<i>5430414B12Rik</i>	RIKEN cDNA 5430414B12 gene	0.32	0.0
<i>BB182297</i>	expressed sequence BB182297	0.32	0.0
<i>Fam55c</i>	family with sequence similarity 55, member C	0.32	0.0

<i>Igh-VJ558 /// Igha</i>	immunoglobulin heavy chain (J558 family) /// immunoglobulin heavy constant alpha	0.33	7.8
<i>6430706D22Rik /// A730008H23Rik /// Hjurp</i>	RIKEN cDNA 6430706D22 gene /// RIKEN cDNA A730008H23 gene /// Holliday junction recognition protein	0.33	0.0
<i>Wdr19</i>	WD repeat domain 19	0.33	0.0
<i>Zxdc</i>	ZXD family zinc finger C	0.33	2.8
<i>9130015G15Rik</i>	RIKEN cDNA 9130015G15 gene	0.33	0.0
<i>2810055G20Rik</i>	RIKEN cDNA 2810055G20 gene	0.33	0.0
<i>Fancc</i>	Fanconi anemia, complementation group C	0.33	0.0
<i>Trim14</i>	tripartite motif-containing 14	0.34	0.0
<i>Prrx1</i>	paired related homeobox 1	0.34	0.0
<i>Agbl5</i>	ATP/GTP binding protein-like 5	0.34	0.0
<i>Kcna2</i>	potassium voltage-gated channel, shaker-related subfamily, member 2	0.34	0.0
<i>Pla2g15</i>	phospholipase A2, group XV	0.34	0.0
<i>E130308A19Rik</i>	RIKEN cDNA E130308A19 gene	0.34	0.0
<i>Dusp19</i>	dual specificity phosphatase 19	0.34	2.8
<i>Mdh1b</i>	malate dehydrogenase 1B, NAD (soluble)	0.34	0.0
<i>Ints3</i>	integrator complex subunit 3	0.34	0.0
<i>Cd59a</i>	CD59a antigen	0.34	0.0
<i>Mettl8</i>	methyltransferase like 8	0.34	0.0
<i>4932425I24Rik</i>	RIKEN cDNA 4932425I24 gene	0.35	0.0
<i>Map3k12</i>	mitogen-activated protein kinase kinase kinase 12	0.35	0.0
<i>Rps6ka5</i>	ribosomal protein S6 kinase, polypeptide 5	0.35	0.0
<i>4833442J19Rik</i>	RIKEN cDNA 4833442J19 gene	0.35	0.0
<i>Rab36</i>	RAB36, member RAS oncogene family	0.35	0.0
<i>Plekha2</i>	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2	0.35	0.0
<i>Tead2</i>	TEA domain family member 2	0.35	0.0
<i>Dixdc1</i>	DIX domain containing 1	0.35	0.0
<i>Fmo5</i>	flavin containing monooxygenase 5	0.36	0.0
<i>Zfp54</i>	zinc finger protein 54	0.36	0.0
<i>Bivm</i>	basic, immunoglobulin-like variable motif containing	0.36	0.0
<i>6330439K17Rik</i>	RIKEN cDNA 6330439K17 gene	0.36	0.0
<i>Snapc3</i>	small nuclear RNA activating complex, polypeptide 3	0.36	0.0
<i>Ripply3</i>	rippy3 homolog (zebrafish)	0.36	0.0
<i>Asb14</i>	ankyrin repeat and SOCS box-containing 14	0.36	0.0
<i>Tet1</i>	tet methylcytosine dioxygenase 1	0.36	0.0
<i>Stk33</i>	serine/threonine kinase 33	0.37	0.0
<i>Nek1</i>	NIMA (never in mitosis gene a)-related expressed kinase 1	0.37	0.0
<i>Smad6</i>	SMAD family member 6	0.37	0.0
<i>Rsph4a</i>	radial spoke head 4 homolog A (Chlamydomonas)	0.37	0.0
<i>Tfb1m</i>	transcription factor B1, mitochondrial	0.37	0.0
<i>Ces1f</i>	carboxylesterase 1F	0.37	0.0
<i>Wdyhv1</i>	WDYHV motif containing 1	0.37	0.0
<i>Rab38</i>	RAB38, member of RAS oncogene family	0.37	0.0
<i>Rasgef1a</i>	RasGEF domain family, member 1A	0.37	0.0
<i>Dtna</i>	dystrobrevin alpha	0.37	0.0

<i>Ak3</i>	adenylate kinase 3	0.37	0.0
<i>Gm129</i>	predicted gene 129	0.37	0.0
<i>Nr1d2</i>	nuclear receptor subfamily 1, group D, member 2	0.38	0.0
<i>Tnfsf10</i>	tumor necrosis factor (ligand) superfamily, member 10	0.38	2.8
<i>C80889</i>	expressed sequence C80889	0.38	0.0
<i>Hist3h2a</i>	histone cluster 3, H2a	0.38	0.0
<i>Amigo2</i>	adhesion molecule with Ig like domain 2	0.38	0.0
<i>Ttc21b</i>	tetratricopeptide repeat domain 21B	0.38	0.0
<i>Zfp934</i>	zinc finger protein 934	0.38	0.0
<i>Slc15a2</i>	solute carrier family 15 (H+/peptide transporter), member 2	0.38	2.8
<i>Nudt7</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 7	0.38	0.0
<i>9430047G12Rik</i>	RIKEN cDNA 9430047G12 gene	0.38	0.0
<i>Wrn</i>	Werner syndrome homolog (human)	0.38	0.0
<i>Kctd21</i>	potassium channel tetramerisation domain containing 21	0.38	0.0
<i>Calhm2</i>	calcium homeostasis modulator 2	0.38	0.0
<i>Gm5595</i>	predicted gene 5595	0.38	0.0
<i>A130004G11Rik</i>	RIKEN cDNA A130004G11 gene	0.38	0.0
<i>Tslp</i>	thymic stromal lymphopietin	0.38	0.0
<i>Plscr4</i>	phospholipid scramblase 4	0.38	0.0
<i>A730054J21Rik</i>	RIKEN cDNA A730054J21 gene	0.38	0.0
<i>Kank3</i>	KN motif and ankyrin repeat domains 3	0.39	0.0
<i>Rarg</i>	retinoic acid receptor, gamma	0.39	0.0
<i>Pknox2</i>	Pbx/knotted 1 homeobox 2	0.39	0.0
<i>Il17rd</i>	interleukin 17 receptor D	0.39	0.0
<i>Ankrd26</i>	ankyrin repeat domain 26	0.39	0.0
<i>Lyl1</i>	lymphoblastomic leukemia 1	0.39	0.0
<i>Efcab1</i>	EF hand calcium binding domain 1	0.39	0.0
<i>Edc3</i>	enhancer of mRNA decapping 3 homolog (<i>S. cerevisiae</i>)	0.39	0.0
<i>Phf21a</i>	PHD finger protein 21A	0.39	0.0
<i>Lrrc51</i>	leucine rich repeat containing 51	0.39	0.0
<i>Tmem206</i>	transmembrane protein 206	0.39	2.8
<i>Hist3h2a /// Trim17</i>	histone cluster 3, H2a /// tripartite motif-containing 17	0.39	0.0
<i>Yes1</i>	Yamaguchi sarcoma viral (v-yes) oncogene homolog 1	0.39	0.0
<i>Il15</i>	interleukin 15	0.39	0.0
<i>G0s2</i>	G0/G1 switch gene 2	0.39	0.0
<i>Mns1</i>	meiosis-specific nuclear structural protein 1	0.39	0.0
<i>AA386476 ///</i>	expressed sequence AA386476 /// uncharacterized	0.40	0.0
<i>LOC100504975</i>	LOC100504975		
<i>Arhgap12</i>	Rho GTPase activating protein 12	0.40	0.0
<i>Dnmt3a</i>	DNA methyltransferase 3A	0.40	0.0
<i>Hs1bp3</i>	HCLS1 binding protein 3	0.40	0.0
<i>9430020K01Rik</i>	RIKEN cDNA 9430020K01 gene	0.40	0.0
<i>Slc46a3</i>	solute carrier family 46, member 3	0.40	0.0
<i>Ip6k2</i>	inositol hexaphosphate kinase 2	0.40	0.0
<i>Trp53bp1</i>	transformation related protein 53 binding protein 1	0.40	2.8
<i>Zfp846</i>	zinc finger protein 846	0.40	0.0
<i>Cckar</i>	cholecystokinin A receptor	0.40	0.0
<i>Cdon</i>	cell adhesion molecule-related/down-regulated by	0.40	0.0

	oncogenes		
<i>Cd97</i>	CD97 antigen	0.40	0.0
<i>1700013F07Rik</i>	RIKEN cDNA 1700013F07 gene	0.40	0.0
<i>Nab2</i>	Ngfi-A binding protein 2	0.40	2.8
<i>Card10</i>	caspase recruitment domain family, member 10	0.40	0.0
<i>Klhl24</i>	kelch-like 24 (Drosophila)	0.40	0.0
<i>Lpar3</i>	lysophosphatidic acid receptor 3	0.40	0.0
<i>Six5</i>	sine oculis-related homeobox 5 homolog (Drosophila)	0.40	0.0
<i>Zfp82</i>	zinc finger protein 82	0.40	7.8
<i>C77648</i>	expressed sequence C77648	0.40	0.0
<i>Sigmar1</i>	sigma non-opioid intracellular receptor 1	0.41	2.8
<i>Wdr78</i>	WD repeat domain 78	0.41	0.0
<i>Dynlt1f</i>	dynein light chain Tctex-type 1F	0.41	0.0
<i>Ccdc141</i>	coiled-coil domain containing 141	0.41	7.8
<i>Gemin8</i>	gem (nuclear organelle) associated protein 8	0.41	0.0
<i>Senp8</i>	SUMO/sentrin specific peptidase 8	0.41	2.8
<i>Ttc14</i>	tetratricopeptide repeat domain 14	0.41	0.0
<i>Purg</i>	purine-rich element binding protein G	0.41	0.0
<i>Frem1</i>	Fras1 related extracellular matrix protein 1	0.41	0.0
<i>D730048J04Rik</i>	RIKEN cDNA D730048J04 gene	0.41	0.0
<i>Ganc</i>	glucosidase, alpha; neutral C	0.41	0.0
<i>Shisa2</i>	shisa homolog 2 (Xenopus laevis)	0.41	0.0
<i>Zfp790</i>	zinc finger protein 790	0.41	0.0
<i>Gm5918</i>	predicted gene 5918	0.41	0.0
<i>Glis2</i>	GLIS family zinc finger 2	0.41	0.0
<i>Ccdc28b</i>	coiled coil domain containing 28B	0.41	0.0
<i>Cc2d2a</i>	coiled-coil and C2 domain containing 2A	0.41	0.0
<i>BC046404</i>	cDNA sequence BC046404	0.41	7.8
<i>Eef2k</i>	eukaryotic elongation factor-2 kinase	0.41	0.0
<i>Wscd1</i>	WSC domain containing 1	0.41	0.0
<i>Grrp1</i>	glycine/arginine rich protein 1	0.42	0.0
<i>1700049G17Rik</i>	RIKEN cDNA 1700049G17 gene	0.42	0.0
<i>Ccdc30</i>	coiled-coil domain containing 30	0.42	0.0
<i>Rnf186</i>	ring finger protein 186	0.42	0.0
<i>Sox17</i>	SRY-box containing gene 17	0.42	0.0
<i>LOC100861749 /// Sfi1</i>	protein SFI1 homolog /// Sfi1 homolog, spindle assembly associated (yeast)	0.42	0.0
<i>Nudcd1</i>	NudC domain containing 1	0.42	0.0
<i>Trim37</i>	tripartite motif-containing 37	0.42	0.0
<i>Rab2b</i>	RAB2B, member RAS oncogene family	0.42	0.0
<i>Zfp266</i>	zinc finger protein 266	0.42	0.0
<i>Aspa</i>	aspartoacylase	0.42	0.0
<i>Fgfr4</i>	fibroblast growth factor receptor 4	0.42	0.0
<i>Hibch</i>	3-hydroxyisobutyryl-Coenzyme A hydrolase	0.42	0.0
<i>Per2</i>	period homolog 2 (Drosophila)	0.42	0.0
<i>Dnali1</i>	dynein, axonemal, light intermediate polypeptide 1	0.42	0.0
<i>Zfp524</i>	zinc finger protein 524	0.42	0.0
<i>Gm11944</i>	predicted gene 11944	0.42	0.0
<i>Pcdh18</i>	protocadherin 18	0.42	0.0
<i>Sord</i>	sorbitol dehydrogenase	0.42	0.0

<i>Fzd7</i>	frizzled homolog 7 (Drosophila)	0.42	0.0
<i>Gm626</i>	predicted gene 626	0.42	0.0
<i>Cep350</i>	centrosomal protein 350	0.42	0.0
<i>Vps13a</i>	vacuolar protein sorting 13A (yeast)	0.43	0.0
<i>4922501C03Rik</i>	RIKEN cDNA 4922501C03 gene	0.43	0.0
<i>Dleu2</i>	deleted in lymphocytic leukemia, 2	0.43	2.8
<i>Hyal1 /// Nat6</i>	hyaluronoglucosaminidase 1 /// N-acetyltransferase 6	0.43	0.0
<i>Igj</i>	immunoglobulin joining chain	0.43	0.0
<i>Gulp1</i>	GULP, engulfment adaptor PTB domain containing 1	0.43	0.0
<i>Adamts20</i>	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 20	0.43	0.0
<i>Rnf135</i>	ring finger protein 135	0.43	0.0
<i>Xiap</i>	X-linked inhibitor of apoptosis	0.43	2.8
<i>Hsph1</i>	heat shock 105kDa/110kDa protein 1	0.43	0.0
<i>Baz1b</i>	bromodomain adjacent to zinc finger domain, 1B	0.43	0.0
<i>Jam2</i>	junction adhesion molecule 2	0.43	0.0
<i>Invs</i>	inversin	0.43	0.0
<i>Plch1</i>	phospholipase C, eta 1	0.43	0.0
<i>Nuak1</i>	NUAK family, SNF1-like kinase, 1	0.43	0.0
<i>Cthrc1</i>	collagen triple helix repeat containing 1	0.43	2.8
<i>Slc25a27</i>	Solute carrier family 25, member 27	0.43	0.0
<i>1700029J07Rik</i>	RIKEN cDNA 1700029J07 gene	0.43	0.0
<i>Gm19935</i>	predicted gene, 19935	0.43	0.0
<i>Ephb4</i>	Eph receptor B4	0.43	0.0
<i>Gm19439</i>	predicted gene, 19439	0.43	0.0
<i>1810063B05Rik</i>	RIKEN cDNA 1810063B05 gene	0.43	0.0
<i>Csnk2a1</i>	casein kinase 2, alpha 1 polypeptide	0.43	0.0
<i>Nkd2</i>	naked cuticle 2 homolog (Drosophila)	0.43	0.0
<i>2900092E17Rik</i>	RIKEN cDNA 2900092E17 gene	0.43	0.0
<i>Gga2</i>	golgi associated, gamma adaptin ear containing, ARF binding protein 2	0.44	0.0
<i>Efhc1</i>	EF-hand domain (C-terminal) containing 1	0.44	0.0
<i>Fbxl20</i>	F-box and leucine-rich repeat protein 20	0.44	0.0
<i>Spice1</i>	spindle and centriole associated protein 1	0.44	0.0
<i>Scaper</i>	S phase cyclin A-associated protein in the ER	0.44	0.0
<i>Atf7ip</i>	activating transcription factor 7 interacting protein	0.44	0.0
<i>Nudt21</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 21	0.44	7.8
<i>1110017F19Rik</i>	RIKEN cDNA 1110017F19 gene	0.44	0.0
<i>Tbc1d24</i>	TBC1 domain family, member 24	0.44	0.0
<i>Klc1</i>	kinesin light chain 1	0.44	0.0
<i>Atf2 /// LOC100047997</i>	activating transcription factor 2 /// cyclic AMP-dependent transcription factor ATF-2-like	0.44	0.0
<i>Khyn</i>	KH and NYN domain containing	0.44	0.0
<i>Cep68</i>	centrosomal protein 68	0.44	0.0
<i>Angpt1</i>	angiopoietin 1	0.44	0.0
<i>1810012P15Rik</i>	RIKEN cDNA 1810012P15 gene	0.44	0.0
<i>Nudt5</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 5	0.44	0.0
<i>Chia</i>	chitinase, acidic	0.44	0.0

<i>Fam120b</i>	family with sequence similarity 120, member B	0.44	0.0
<i>Robo2</i>	roundabout homolog 2 (Drosophila)	0.44	2.8
<i>Chd9</i>	chromodomain helicase DNA binding protein 9	0.44	0.0
<i>Zfp248</i>	zinc finger protein 248	0.44	2.8
<i>Etv1</i>	ets variant gene 1	0.44	0.0
<i>Traf1</i>	TNF receptor-associated factor 1	0.44	0.0
<i>Ttc29</i>	tetratricopeptide repeat domain 29	0.44	0.0
<i>C2cd2</i>	C2 calcium-dependent domain containing 2	0.44	0.0
<i>2810410L24Rik</i>	RIKEN cDNA 2810410L24 gene	0.44	0.0
<i>Flt3l /// Rpl13a</i>	FMS-like tyrosine kinase 3 ligand /// ribosomal protein L13A	0.44	0.0
<i>Ikzf2</i>	IKAROS family zinc finger 2	0.45	0.0
<i>1700094D03Rik</i>	RIKEN cDNA 1700094D03 gene	0.45	0.0
<i>Sh3d19</i>	SH3 domain protein D19	0.45	0.0
<i>Synpo2</i>	synaptopodin 2	0.45	7.8
<i>Hs6st2</i>	heparan sulfate 6-O-sulfotransferase 2	0.45	0.0
<i>4930420K17Rik</i>	RIKEN cDNA 4930420K17 gene	0.45	0.0
<i>Tfcp2</i>	transcription factor CP2	0.45	0.0
<i>Ttc9c</i>	tetratricopeptide repeat domain 9C	0.45	2.8
<i>Gja4</i>	gap junction protein, alpha 4	0.45	0.0
<i>Rheb1l</i>	Ras homolog enriched in brain like 1	0.45	0.0
<i>Plcb3</i>	phospholipase C, beta 3	0.45	0.0
<i>Ptgfr</i>	prostaglandin F receptor	0.45	0.0
<i>2900046F13Rik</i>	RIKEN cDNA 2900046F13 gene	0.45	0.0
<i>Mynn</i>	myoneurin	0.45	0.0
<i>Golph3l</i>	golgi phosphoprotein 3-like	0.45	0.0
<i>C920008N22Rik</i>	RIKEN cDNA C920008N22 gene	0.45	0.0
<i>Yeats2</i>	YEATS domain containing 2	0.45	0.0
<i>Aass</i>	aminoadipate-semialdehyde synthase	0.45	0.0
<i>Trim34a /// Trim34b</i>	tripartite motif-containing 34A /// tripartite motif-containing 34B	0.45	0.0
<i>Cenpj</i>	centromere protein J	0.45	0.0
<i>Dzip1l</i>	DAZ interacting protein 1-like	0.45	0.0
<i>Thap3</i>	THAP domain containing, apoptosis associated protein 3	0.45	0.0
<i>Mdm4</i>	transformed mouse 3T3 cell double minute 4	0.45	0.0
<i>4933411K20Rik</i>	RIKEN cDNA 4933411K20 gene	0.45	0.0
<i>Fert2</i>	fer (fms/fps related) protein kinase, testis specific 2	0.45	0.0
<i>Elmod1</i>	ELMO domain containing 1	0.45	0.0
<i>Fam82b</i>	family with sequence similarity 82, member B	0.45	0.0
<i>Crebzf</i>	CREB/ATF bZIP transcription factor	0.45	0.0
<i>Lrrc6</i>	leucine rich repeat containing 6 (testis)	0.45	0.0
<i>2410002O22Rik</i>	RIKEN cDNA 2410002O22 gene	0.45	0.0
<i>Sirt5</i>	sirtuin 5 (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)	0.45	0.0
<i>Ubxn7</i>	UBX domain protein 7	0.46	2.8
<i>Akr1c19</i>	aldo-keto reductase family 1, member C19	0.46	0.0
<i>5031426D15Rik</i>	RIKEN cDNA 5031426D15 gene	0.46	0.0
<i>Ints6</i>	integrator complex subunit 6	0.46	2.8
<i>E430024I08Rik</i>	RIKEN cDNA E430024I08 gene	0.46	0.0
<i>D4Bwg0951e</i>	DNA segment, Chr 4, Brigham & Women's Genetics 0951	0.46	0.0

	expressed		
<i>Pisd-ps1 /// Pisd-ps3</i>	phosphatidylserine decarboxylase, pseudogene 1 /// phosphatidylserine decarboxylase, pseudogene 3	0.46	0.0
<i>Zfp14</i>	zinc finger protein 14	0.46	0.0
<i>Dnahc12</i>	dynein, axonemal, heavy chain 12	0.46	0.0
<i>Pgpep1</i>	pyroglutamyl-peptidase I	0.46	0.0
<i>Ints8</i>	integrator complex subunit 8	0.46	0.0
<i>Scai</i>	suppressor of cancer cell invasion	0.46	0.0
<i>Papss2</i>	3'-phosphoadenosine 5'-phosphosulfate synthase 2	0.46	2.8
<i>Slc38a6</i>	solute carrier family 38, member 6	0.46	0.0
<i>Itsn1</i>	intersectin 1 (SH3 domain protein 1A)	0.46	0.0
<i>Zmat1</i>	zinc finger, matrin type 1	0.46	0.0
<i>Gm10374</i>	predicted gene 10374	0.46	0.0
<i>Zfp260</i>	zinc finger protein 260	0.46	0.0
<i>Rbm5</i>	RNA binding motif protein 5	0.46	0.0
<i>Vps33a</i>	vacuolar protein sorting 33A (yeast)	0.46	0.0
<i>Esyt3</i>	extended synaptotagmin-like protein 3	0.46	0.0
<i>1110032A04Rik</i>	RIKEN cDNA 1110032A04 gene	0.46	0.0
<i>Lbh</i>	limb-bud and heart	0.46	0.0
<i>9230114K14Rik</i>	RIKEN cDNA 9230114K14 gene	0.46	0.0
<i>Dcun1d2</i>	DCN1, defective in cullin neddylation 1, domain containing 2 (<i>S. cerevisiae</i>)	0.46	2.8
<i>Hey1</i>	hairy/enhancer-of-split related with YRPW motif 1	0.46	0.0
<i>Bcl11a</i>	B cell CLL/lymphoma 11A (zinc finger protein)	0.46	7.8
<i>1810011O10Rik</i>	RIKEN cDNA 1810011O10 gene	0.46	0.0
<i>Ptprz1</i>	protein tyrosine phosphatase, receptor type Z, polypeptide 1	0.46	7.8
<i>Tcap</i>	titin-cap	0.46	2.8
<i>Rasal2</i>	RAS protein activator like 2	0.46	0.0
<i>2610507I01Rik</i>	RIKEN cDNA 2610507I01 gene	0.46	0.0
<i>Lca5</i>	Leber congenital amaurosis 5 (human)	0.46	0.0
<i>Chst7</i>	carbohydrate (N-acetylglucosamino) sulfotransferase 7	0.46	0.0
<i>Gpt2</i>	glutamic pyruvate transaminase (alanine aminotransferase) 2	0.46	2.8
<i>Olfml1</i>	olfactomedin-like 1	0.46	0.0
<i>Slc6a2</i>	solute carrier family 6 (neurotransmitter transporter, noradrenalin), member 2	0.46	0.0
<i>Rab3ip</i>	RAB3A interacting protein	0.46	0.0
<i>Atic</i>	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	0.47	0.0
<i>Stx3</i>	syntaxin 3	0.47	0.0
<i>Tardbp</i>	TAR DNA binding protein	0.47	0.0
<i>Chordc1</i>	cysteine and histidine-rich domain (CHORD)-containing, zinc-binding protein 1	0.47	0.0
<i>Cpeb1</i>	cytoplasmic polyadenylation element binding protein 1	0.47	0.0
<i>Dusp18</i>	dual specificity phosphatase 18	0.47	0.0
<i>Ckmt1</i>	creatine kinase, mitochondrial 1, ubiquitous	0.47	2.8
<i>Stat1</i>	signal transducer and activator of transcription 1	0.47	0.0
<i>Sept8</i>	septin 8	0.47	0.0
<i>Rph3al</i>	rabphilin 3A-like (without C2 domains)	0.47	0.0

<i>6820402A03Rik</i>	RIKEN cDNA 6820402A03 gene	0.47	0.0
<i>Mtcp1</i>	mature T cell proliferation 1	0.47	0.0
<i>Dzip1</i>	DAZ interacting protein 1	0.47	0.0
<i>Slc6a15</i>	solute carrier family 6 (neurotransmitter transporter), member 15	0.47	0.0
<i>Nqo2</i>	NAD(P)H dehydrogenase, quinone 2	0.47	2.8
<i>Caprin1</i>	cell cycle associated protein 1	0.47	0.0
<i>Dnaja4</i>	DnaJ (Hsp40) homolog, subfamily A, member 4	0.47	0.0
<i>Nr1h3</i>	nuclear receptor subfamily 1, group H, member 3	0.47	2.8
<i>Wdr96</i>	WD repeat domain 96	0.47	0.0
<i>Gpd1l</i>	glycerol-3-phosphate dehydrogenase 1-like	0.47	0.0
<i>Rarb</i>	retinoic acid receptor, beta	0.47	0.0
<i>She</i>	src homology 2 domain-containing transforming protein E	0.47	0.0
<i>Nnt</i>	nicotinamide nucleotide transhydrogenase	0.47	0.0
<i>Fgf7</i>	fibroblast growth factor 7	0.47	0.0
<i>Grasp</i>	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	0.47	0.0
<i>Ogt</i>	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	0.47	0.0
<i>Gm20559</i>	predicted gene, 20559	0.47	0.0
<i>Hhip</i>	Hedgehog-interacting protein	0.47	0.0
<i>Fam46c</i>	family with sequence similarity 46, member C	0.47	7.8
<i>Slc4a1</i>	solute carrier family 4 (anion exchanger), member 1	0.47	0.0
<i>2900072G11Rik</i>	RIKEN cDNA 2900072G11 gene	0.47	0.0
<i>Csrnp2</i>	cysteine-serine-rich nuclear protein 2	0.47	2.8
<i>Gm12942 /// Zmym6</i>	predicted gene 12942 /// zinc finger, MYM-type 6	0.47	0.0
<i>Pank1</i>	pantothenate kinase 1	0.47	0.0
<i>Cdkn2c</i>	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	0.47	0.0
<i>Osbpl6</i>	oxysterol binding protein-like 6	0.47	0.0
<i>Tdp1</i>	tyrosyl-DNA phosphodiesterase 1	0.47	0.0
<i>Hoxa5</i>	homeobox A5	0.47	0.0
<i>Dnaja1</i>	DnaJ (Hsp40) homolog, subfamily A, member 1	0.47	0.0
<i>Ccng2</i>	cyclin G2	0.47	0.0
<i>Inpp5e</i>	inositol polyphosphate-5-phosphatase E	0.47	0.0
<i>Ccdc162</i>	coiled-coil domain containing 162	0.47	0.0
<i>Six4</i>	sine oculis-related homeobox 4 homolog (Drosophila)	0.47	0.0
<i>Zfp60</i>	zinc finger protein 60	0.47	0.0
<i>Ddo</i>	D-aspartate oxidase	0.47	0.0
<i>Sytl4</i>	synaptotagmin-like 4	0.47	0.0
<i>Gm16136</i>	predicted gene 16136	0.47	0.0
<i>Mapk12</i>	mitogen-activated protein kinase 12	0.47	0.0
<i>Stmn2</i>	stathmin-like 2	0.48	0.0
<i>Tril</i>	TLR4 interactor with leucine-rich repeats	0.48	0.0
<i>Prkar2b</i>	protein kinase, cAMP dependent regulatory, type II beta	0.48	0.0
<i>6330403M23Rik /// Pura</i>	RIKEN cDNA 6330403M23 gene /// purine rich element binding protein A	0.48	0.0
<i>Zfp161</i>	zinc finger protein 161	0.48	0.0
<i>Rnf141</i>	ring finger protein 141	0.48	0.0

<i>Samd5</i>	sterile alpha motif domain containing 5	0.48	2.8
<i>Mlh3</i>	mutL homolog 3 (E coli)	0.48	0.0
<i>Mfsd9</i>	major facilitator superfamily domain containing 9	0.48	0.0
<i>Id1</i>	inhibitor of DNA binding 1	0.48	0.0
<i>2210018M11Rik</i>	RIKEN cDNA 2210018M11 gene	0.48	0.0
<i>Casp12</i>	caspase 12	0.48	0.0
<i>Gse1</i>	genetic suppressor element 1	0.48	0.0
<i>Tmeff1</i>	transmembrane protein with EGF-like and two follistatin-like domains 1	0.48	0.0
<i>Lrrn3</i>	leucine rich repeat protein 3, neuronal	0.48	2.8
<i>Skp2</i>	S-phase kinase-associated protein 2 (p45)	0.48	7.8
<i>Dzip3</i>	DAZ interacting protein 3, zinc finger	0.48	0.0
<i>Btbd3</i>	BTB (POZ) domain containing 3	0.48	0.0
<i>Tjp3</i>	tight junction protein 3	0.48	0.0
<i>Bpifa1</i>	BPI fold containing family A, member 1	0.48	7.8
<i>Rasgrp2</i>	RAS, guanyl releasing protein 2	0.48	0.0
<i>Pex26</i>	peroxisomal biogenesis factor 26	0.48	0.0
<i>4930430F08Rik</i>	RIKEN cDNA 4930430F08 gene	0.48	0.0
<i>Tatdn3</i>	TatD DNase domain containing 3	0.48	0.0
<i>Dnmt1</i>	DNA methyltransferase (cytosine-5) 1	0.48	0.0
<i>Mbtps1</i>	membrane-bound transcription factor peptidase, site 1	0.48	7.8
<i>Zscan22</i>	zinc finger and SCAN domain containing 22	0.48	0.0
<i>Map4k3</i>	Mitogen-activated protein kinase kinase kinase kinase 3	0.48	0.0
<i>Mtrr</i>	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	0.48	0.0
<i>Ssx2ip</i>	synovial sarcoma, X breakpoint 2 interacting protein	0.48	0.0
<i>Cpt1c</i>	carnitine palmitoyltransferase 1c	0.48	0.0
<i>Ccdc45</i>	coiled-coil domain containing 45	0.48	0.0
<i>Efcab7</i>	EF-hand calcium binding domain 7	0.48	0.0
<i>Tecpr2</i>	tectonin beta-propeller repeat containing 2	0.48	0.0
<i>Myo9a</i>	myosin IXa	0.48	0.0
<i>Lsm10</i>	U7 snRNP-specific Sm-like protein LSM10	0.48	0.0
<i>Tmem116</i>	transmembrane protein 116	0.48	7.8
<i>Runx1t1</i>	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	0.48	0.0
<i>Aqp4</i>	aquaporin 4	0.48	0.0
<i>Rgs3</i>	regulator of G-protein signaling 3	0.48	0.0
<i>Tex11</i>	testis expressed gene 11	0.48	0.0
<i>Gfm2</i>	G elongation factor, mitochondrial 2	0.48	0.0
<i>Stxbp5</i>	syntaxin binding protein 5 (tomosyn)	0.48	0.0
<i>Traf3ip1</i>	TRAF3 interacting protein 1	0.48	0.0
<i>Prps2</i>	phosphoribosyl pyrophosphate synthetase 2	0.48	2.8
<i>Zfp708</i>	zinc finger protein 708	0.49	0.0
<i>2610034B18Rik</i>	RIKEN cDNA 2610034B18 gene	0.49	0.0
<i>Kit</i>	kit oncogene	0.49	0.0
<i>Ankmy2</i>	ankyrin repeat and MYND domain containing 2	0.49	0.0
<i>Ccdc85b</i>	coiled-coil domain containing 85B	0.49	0.0
<i>Fhdc1</i>	FH2 domain containing 1	0.49	0.0
<i>Cpsf6</i>	cleavage and polyadenylation specific factor 6	0.49	0.0
<i>9530067D14Rik</i>	Riken cDNA 9530067D14 gene	0.49	0.0

<i>Fam149a</i>	family with sequence similarity 149, member A	0.49	0.0
<i>1110021J02Rik</i>	RIKEN cDNA 1110021J02 gene	0.49	0.0
<i>Suv420h2</i>	suppressor of variegation 4-20 homolog 2 (Drosophila)	0.49	0.0
<i>Dguok</i>	deoxyguanosine kinase	0.49	0.0
<i>C87436</i>	expressed sequence C87436	0.49	0.0
<i>Cbx7</i>	chromobox 7	0.49	0.0
<i>Podxl</i>	podocalyxin-like	0.49	2.8
<i>Acox2</i>	acyl-Coenzyme A oxidase 2, branched chain	0.49	0.0
<i>Sp1</i>	trans-acting transcription factor 1	0.49	0.0
<i>Megf6</i>	multiple EGF-like-domains 6	0.49	0.0
<i>2900056M20Rik</i>	RIKEN cDNA 2900056M20 gene	0.49	0.0
<i>Rsph10b2</i>	radial spoke head 10 homolog B (Chlamydomonas)	0.49	0.0
<i>9530010C24Rik</i>	RIKEN cDNA 9530010C24 gene	0.49	0.0
<i>9330151L19Rik</i>	RIKEN cDNA 9330151L19 gene	0.49	0.0
<i>Tmcc2</i>	transmembrane and coiled-coil domains 2	0.49	0.0
<i>Tef</i>	thyrotroph embryonic factor	0.49	0.0
<i>Rad1</i>	RAD1 homolog (S. pombe)	0.49	2.8
<i>Dnaja3</i>	DnaJ (Hsp40) homolog, subfamily A, member 3	0.49	0.0
<i>Ttc30a1</i>	tetratricopeptide repeat domain 30A1	0.49	0.0
<i>Sspn</i>	sarcospan	0.49	0.0
<i>6330503K22Rik</i>	RIKEN cDNA 6330503K22 gene	0.49	0.0
<i>Tmem129</i>	transmembrane protein 129	0.49	0.0
<i>Chd6</i>	chromodomain helicase DNA binding protein 6	0.49	0.0
<i>Btrc</i>	beta-transducin repeat containing protein	0.49	0.0
<i>Asxl2</i>	additional sex combs like 2 (Drosophila)	0.49	0.0
<i>Irgm2</i>	immunity-related GTPase family M member 2	0.49	0.0
<i>Rgl3</i>	ral guanine nucleotide dissociation stimulator-like 3	0.49	0.0
<i>Mthfr</i>	5,10-methylenetetrahydrofolate reductase	0.49	0.0
<i>Mr1</i>	major histocompatibility complex, class I-related	0.49	0.0
<i>Traf5</i>	TNF receptor-associated factor 5	0.49	0.0
<i>6720401G13Rik</i>	RIKEN cDNA 6720401G13 gene	0.49	0.0
<i>Wwc2</i>	WW, C2 and coiled-coil domain containing 2	0.49	7.8
<i>Zfp658</i>	zinc finger protein 658	0.50	7.8
<i>Actb</i>	actin, beta	0.50	0.0
<i>Hist1h4a /// Hist1h4b ///</i>	histone cluster 1, H4a /// histone cluster 1, H4b /// histone	0.50	2.8
<i>Hist1h4c /// Hist1h4d ///</i>	cluster 1, H4c /// histone cluster 1, H4d /// histone cluster		
<i>Hist1h4f /// Hist1h4h ///</i>	1, H4f /// histone cluster 1, H4h /// histone cluster 1, H4i		
<i>Hist1h4i /// Hist1h4j ///</i>	/// histone cluster 1, H4j /// histone cluster 1, H4k ///		
<i>Hist1h4k /// Hist1h4m ///</i>	histone cluster 1, H4m /// histone cluster 1, H4n /// histone		
<i>Hist1h4n /// Hist2h4 ///</i>	cluster 2, H4 /// histone cluster 4, H4 /// histone H4-like		
<i>Hist4h4 ///</i>			
<i>LOC100862646</i>			
<i>Plekha6</i>	pleckstrin homology domain containing, family A member 6	0.50	0.0
<i>Trpc2</i>	transient receptor potential cation channel, subfamily C, member 2	0.50	0.0
<i>Fam13c</i>	family with sequence similarity 13, member C	0.50	0.0
<i>Prkd2</i>	protein kinase D2	0.50	0.0
<i>Mtmt7</i>	myotubularin related protein 7	0.50	2.8
<i>Sult1d1</i>	sulfotransferase family 1D, member 1	0.50	2.8

<i>2810416A17Rik</i>	RIKEN cDNA 2810416A17 gene	0.50	2.8
<i>Hyal2</i>	hyaluronoglucosaminidase 2	0.50	0.0
<i>Actc1</i>	actin, alpha, cardiac muscle 1	0.50	2.8
<i>Mtap4</i>	Microtubule-associated protein 4	0.50	7.8
<i>Tcf19</i>	transcription factor 19	0.50	0.0
<i>Banp</i>	BTG3 associated nuclear protein	0.50	0.0
<i>Pcmt2</i>	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	0.50	0.0
<i>Odf3b</i>	outer dense fiber of sperm tails 3B	0.50	0.0
<i>Abhd14b</i>	abhydrolase domain containing 14b	0.50	0.0
<i>1700007K13Rik</i>	RIKEN cDNA 1700007K13 gene	0.50	0.0
<i>Mmab</i>	methylmalonic aciduria (cobalamin deficiency) type B homolog (human)	0.50	0.0
<i>Hes6</i>	hairy and enhancer of split 6 (Drosophila)	0.50	0.0
<i>Snx21</i>	sorting nexin family member 21	0.50	0.0
<i>Nthl1</i>	nth (endonuclease III)-like 1 (E.coli)	0.50	2.8
<i>Pds5b</i>	PDS5, regulator of cohesion maintenance, homolog B (S. cerevisiae)	0.50	0.0
<i>Ptgr2</i>	prostaglandin reductase 2	0.50	0.0
<i>Eif4e2</i>	eukaryotic translation initiation factor 4E member 2	2.00	0.0
<i>Wac</i>	WW domain containing adaptor with coiled-coil	2.00	0.0
<i>8030448K23Rik</i>	RIKEN cDNA 8030448K23 gene	2.00	0.0
<i>Kcnk1</i>	potassium channel, subfamily K, member 1	2.00	0.0
<i>2010002N04Rik</i>	RIKEN cDNA 2010002N04 gene	2.00	0.0
<i>Plxna2</i>	plexin A2	2.00	0.0
<i>Rps20</i>	ribosomal protein S20	2.00	0.0
<i>LOC269472</i>	uncharacterized LOC269472	2.00	0.0
<i>AU021128</i>	expressed sequence AU021128	2.01	5.2
<i>Usp53</i>	ubiquitin specific peptidase 53	2.01	5.2
<i>Plscr1</i>	phospholipid scramblase 1	2.01	0.0
<i>St6galnac4</i>	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4	2.01	0.0
<i>Ndrp1</i>	N-myc downstream regulated gene 1	2.01	0.0
<i>Dusp16</i>	dual specificity phosphatase 16	2.01	0.0
<i>Edn2</i>	endothelin 2	2.01	0.0
<i>Pim1</i>	proviral integration site 1	2.01	0.0
<i>Map2k3</i>	mitogen-activated protein kinase kinase 3	2.01	0.0
<i>Cdk13</i>	cyclin-dependent kinase 13	2.01	0.0
<i>Gm5620 /// Gm6682 ///</i>	predicted gene 5620 /// tubulin, alpha 1C pseudogene ///	2.01	0.0
<i>LOC100862648 ///</i>	tubulin alpha-1C chain-like ///		
<i>Tuba1a /// Tuba1b ///</i>	tubulin, alpha 1B ///		
<i>Tuba1c</i>	tubulin, alpha 1C		
<i>Padi4</i>	peptidyl arginine deiminase, type IV	2.02	0.0
<i>Nipal1</i>	NIPA-like domain containing 1	2.02	5.2
<i>Fam188a</i>	family with sequence similarity 188, member A	2.02	0.0
<i>Klhl15</i>	kelch-like 15 (Drosophila)	2.02	0.0
<i>Gcnt2</i>	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	2.02	0.0
<i>Sesn1</i>	sestrin 1	2.02	0.0
<i>2310058N22Rik</i>	RIKEN cDNA 2310058N22 gene	2.02	0.0

<i>Mboat1</i>	membrane bound O-acyltransferase domain containing 1	2.03	0.0
<i>Nop58</i>	NOP58 ribonucleoprotein homolog (yeast)	2.03	0.0
<i>Ept1</i>	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)	2.03	5.2
<i>Rpf1</i>	ribosome production factor 1 homolog (S. cerevisiae)	2.03	0.0
<i>Cd84</i>	CD84 antigen	2.03	0.0
<i>2510009E07Rik</i>	RIKEN cDNA 2510009E07 gene	2.04	0.0
<i>1810032O08Rik</i>	RIKEN cDNA 1810032O08 gene	2.04	0.0
<i>Sco1</i>	SCO cytochrome oxidase deficient homolog 1 (yeast)	2.04	0.0
<i>Zwint</i>	ZW10 interactor	2.04	0.0
<i>Rpap2</i>	RNA polymerase II associated protein 2	2.05	0.0
<i>Brd7</i>	bromodomain containing 7	2.05	0.0
<i>Rbl1</i>	retinoblastoma-like 1 (p107)	2.05	0.0
<i>Abcc4</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	2.05	0.0
<i>LOC100862515 ///</i>	TBC1 domain family member 1-like ///	2.05	0.0
<i>Tbc1d1</i>	family, member 1		
<i>Pappa</i>	pregnancy-associated plasma protein A	2.06	0.0
<i>D3Erd740e</i>	DNA segment, Chr 3, ERATO Doi 740, expressed	2.06	0.0
<i>Tlr4</i>	toll-like receptor 4	2.06	0.0
<i>8430408G22Rik</i>	RIKEN cDNA 8430408G22 gene	2.06	0.0
<i>Pabpc1l</i>	poly(A) binding protein, cytoplasmic 1-like	2.06	0.0
<i>Rai14</i>	Retinoic acid induced 14	2.06	0.0
<i>Tnfaip3</i>	tumor necrosis factor, alpha-induced protein 3	2.07	0.0
<i>Tmem120a</i>	transmembrane protein 120A	2.07	0.0
<i>Fhl2</i>	four and a half LIM domains 2	2.07	0.0
<i>Copa</i>	coatamer protein complex subunit alpha	2.07	0.0
<i>Rhoc</i>	ras homolog gene family, member C	2.07	0.0
<i>1700071A11Rik</i>	RIKEN cDNA 1700071A11 gene	2.07	0.0
<i>Ctse</i>	cathepsin E	2.07	5.2
<i>Slc9a8</i>	solute carrier family 9 (sodium/hydrogen exchanger), member 8	2.07	0.0
<i>Pip5k1b</i>	phosphatidylinositol-4-phosphate 5-kinase, type 1 beta	2.07	0.0
<i>Ammecr1l</i>	AMME chromosomal region gene 1-like	2.08	5.2
<i>St3gal1</i>	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	2.08	0.0
<i>Tm4sf1</i>	transmembrane 4 superfamily member 1	2.08	0.0
<i>Cdkn2b</i>	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	2.08	0.0
<i>Pxmp3</i>	Peroxisomal membrane protein 3	2.08	0.0
<i>Cul2</i>	cullin 2	2.09	0.0
<i>Rbm39</i>	RNA binding motif protein 39	2.09	0.0
<i>Clptm1</i>	cleft lip and palate associated transmembrane protein 1	2.09	0.0
<i>Clip4</i>	CAP-GLY domain containing linker protein family, member 4	2.09	5.2
<i>Slc2a1</i>	solute carrier family 2 (facilitated glucose transporter), member 1	2.10	0.0
<i>Enc1</i>	ectodermal-neural cortex 1	2.10	0.0
<i>9430016H08Rik</i>	RIKEN cDNA 9430016H08 gene	2.10	0.0
<i>Orc4</i>	origin recognition complex, subunit 4	2.10	0.0
<i>Pik3r5</i>	phosphoinositide-3-kinase, regulatory subunit 5, p101	2.10	0.0

<i>Cdc42</i>	cell division cycle 42	2.10	0.0
<i>B930098A02Rik</i> /// <i>Chic2</i>	RIKEN cDNA B930098A02 gene /// cysteine-rich hydrophobic domain 2	2.11	0.0
<i>Them5</i>	thioesterase superfamily member 5	2.11	0.0
<i>Zfp800</i>	zinc finger protein 800	2.11	0.0
<i>Itgam</i>	integrin alpha M	2.12	5.2
<i>Nus1</i>	nuclear undecaprenyl pyrophosphate synthase 1 homolog (S. cerevisiae)	2.12	0.0
<i>AU014973</i>	expressed sequence AU014973	2.12	0.0
<i>Fstl3</i>	follistatin-like 3	2.12	0.0
<i>Ptprk</i>	protein tyrosine phosphatase, receptor type, K	2.13	0.0
<i>Wdr61</i>	WD repeat domain 61	2.13	0.0
<i>Star</i>	steroidogenic acute regulatory protein	2.13	0.0
<i>Malt1</i>	mucosa associated lymphoid tissue lymphoma translocation gene 1	2.14	0.0
<i>Cdk9</i>	cyclin-dependent kinase 9 (CDC2-related kinase)	2.14	0.0
<i>Lmnb1</i>	lamin B1	2.14	0.0
<i>Grwd1</i>	glutamate-rich WD repeat containing 1	2.14	0.0
<i>E030047P09Rik</i>	RIKEN cDNA E030047P09 gene	2.14	0.0
<i>9830001H06Rik</i>	RIKEN cDNA 9830001H06 gene	2.14	5.2
<i>Tgm1</i>	transglutaminase 1, K polypeptide	2.14	0.0
<i>Myh9</i>	myosin, heavy polypeptide 9, non-muscle	2.15	0.0
<i>Sla</i>	src-like adaptor	2.15	0.0
<i>4833412E19Rik</i>	RIKEN cDNA 4833412E19 gene	2.15	0.0
<i>LOC100044742</i> ///	protein tyrosine phosphatase type IVA 1-like /// protein tyrosine phosphatase 4a1	2.15	0.0
<i>Ptp4a1</i>	tyrosine phosphatase 4a1	2.15	0.0
<i>Adamts1</i>	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1	2.15	0.0
<i>March3</i>	membrane-associated ring finger (C3HC4) 3	2.15	0.0
<i>Bmp2k</i>	BMP2 inducible kinase	2.15	0.0
<i>Adarb1</i>	adenosine deaminase, RNA-specific, B1	2.16	0.0
<i>Pmepa1</i>	prostate transmembrane protein, androgen induced 1	2.16	0.0
<i>Mex3c</i>	mex3 homolog C (C. elegans)	2.16	0.0
<i>Klrb1b</i>	killer cell lectin-like receptor subfamily B member 1B	2.16	0.0
<i>Sdc4</i>	syndecan 4	2.16	0.0
<i>Phf3</i>	PHD finger protein 3	2.17	0.0
<i>Csf2rb2</i>	colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage)	2.17	0.0
<i>D10Erd709e</i>	DNA segment, Chr 10, ERATO Doi 709, expressed	2.18	0.0
<i>Gas5</i> /// <i>Snord47</i>	growth arrest specific 5 /// small nucleolar RNA, C/D box 47	2.18	0.0
<i>Cxcr7</i>	chemokine (C-X-C motif) receptor 7	2.18	0.0
<i>Mpzl3</i>	myelin protein zero-like 3	2.18	0.0
<i>Rps17</i>	ribosomal protein S17	2.18	0.0
<i>Adamts2</i>	ADAMTS-like 2	2.18	0.0
<i>Zfp259</i>	zinc finger protein 259	2.18	0.0
<i>Camk2d</i>	calcium/calmodulin-dependent protein kinase II, delta	2.19	0.0
<i>Snx18</i>	sorting nexin 18	2.20	0.0
<i>Esd</i> /// <i>Gm2904</i>	esterase D/formylglutathione hydrolase /// predicted pseudogene 2904	2.20	0.0

<i>Itga5</i>	integrin alpha 5 (fibronectin receptor alpha)	2.20	0.0
<i>Dfna5</i>	deafness, autosomal dominant 5 (human)	2.20	0.0
<i>1700012B15Rik</i>	RIKEN cDNA 1700012B15 gene	2.20	0.0
<i>Trim16</i>	tripartite motif-containing 16	2.20	0.0
<i>Map2k7</i>	mitogen-activated protein kinase kinase 7	2.21	5.2
<i>5830407E08Rik</i>	RIKEN cDNA 5830407E08 gene	2.21	0.0
<i>Fosl2</i>	fos-like antigen 2	2.22	0.0
<i>Kdelr3</i>	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	2.23	0.0
<i>Camk2n2</i>	calcium/calmodulin-dependent protein kinase II inhibitor 2	2.23	0.0
<i>Dot1l</i>	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)	2.23	0.0
<i>Tpcn2</i>	two pore segment channel 2	2.23	0.0
<i>Nes</i>	nestin	2.23	0.0
<i>F2rl1</i>	coagulation factor II (thrombin) receptor-like 1	2.23	0.0
<i>Mbp</i>	myelin basic protein	2.23	0.0
<i>5830416P10Rik</i>	RIKEN cDNA 5830416P10 gene	2.23	0.0
<i>Ln timer</i>	ligand of numb-protein X 2	2.24	0.0
<i>Dusp8</i>	dual specificity phosphatase 8	2.24	0.0
<i>Ipcefl</i>	interaction protein for cytohesin exchange factors 1	2.24	0.0
<i>Slc7a1</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	2.24	0.0
<i>Gn timer</i>	glucosamine-phosphate N-acetyltransferase 1	2.25	0.0
<i>5430434G16Rik</i>	RIKEN cDNA 5430434G16 gene	2.25	0.0
<i>Tn timer</i>	tumor necrosis factor receptor superfamily, member 22	2.25	0.0
<i>Tn timer</i>	tumor necrosis factor receptor superfamily, member 23	2.25	0.0
<i>Fam122a</i>	family with sequence similarity 122, member A	2.25	0.0
<i>Lox1l</i>	lysyl oxidase-like 1	2.25	0.0
<i>2900046L07Rik</i>	RIKEN cDNA 2900046L07 gene	2.25	5.2
<i>4833441D16Rik</i>	RIKEN cDNA 4833441D16 gene	2.25	0.0
<i>Lass3</i>	LAG1 homolog, ceramide synthase 3	2.26	0.0
<i>Cidea</i>	cell death-inducing DNA fragmentation factor, alpha subunit-like effector A	2.26	0.0
<i>Epha2</i>	Eph receptor A2	2.27	0.0
<i>Artn</i>	artemin	2.27	0.0
<i>Uck2</i>	uridine-cytidine kinase 2	2.27	0.0
<i>Il17ra</i>	interleukin 17 receptor A	2.29	0.0
<i>Sowahb</i>	sosondowah ankyrin repeat domain family member B	2.29	0.0
<i>Sh3bp2</i>	SH3-domain binding protein 2	2.29	0.0
<i>Alyref</i>	Aly/REF export factor	2.29	0.0
<i>Tes</i>	testis derived transcript	2.29	0.0
<i>Nuak2</i>	NUAK family, SNF1-like kinase, 2	2.29	0.0
<i>Slc25a25</i>	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	2.29	0.0
<i>AU019559</i>	expressed sequence AU019559	2.30	0.0
<i>Afp</i>	alpha fetoprotein	2.30	0.0
<i>C1d</i>	C1D nuclear receptor co-repressor	2.30	0.0
<i>Ugcg</i>	UDP-glucose ceramide glucosyltransferase	2.31	0.0
<i>Trim24</i>	tripartite motif-containing 24	2.31	5.2
<i>Eif2ak1</i>	eukaryotic translation initiation factor 2 alpha kinase 1	2.31	0.0

<i>Lrrc8c</i>	leucine rich repeat containing 8 family, member C	2.31	0.0
<i>B230303O12Rik</i>	RIKEN cDNA B230303O12 gene	2.31	0.0
<i>Tubb2b</i>	tubulin, beta 2B class IIB	2.32	0.0
<i>Ptger4</i>	prostaglandin E receptor 4 (subtype EP4)	2.32	0.0
<i>6720477C19Rik</i>	RIKEN cDNA 6720477C19 gene	2.32	0.0
<i>Ppargc1a</i>	peroxisome proliferative activated receptor, gamma, coactivator 1 alpha	2.33	0.0
<i>Gimap6</i>	GTPase, IMAP family member 6	2.33	0.0
<i>Adipor1</i>	adiponectin receptor 1	2.33	0.0
<i>Gda</i>	guanine deaminase	2.34	0.0
<i>Zc3hav1</i>	zinc finger CCCH type, antiviral 1	2.34	0.0
<i>Trp53inp2</i>	Transformation related protein 53 inducible nuclear protein 2	2.34	0.0
<i>Sdad1</i>	SDA1 domain containing 1	2.35	0.0
<i>Tmcc3</i>	transmembrane and coiled coil domains 3	2.35	0.0
<i>Prrc1</i>	proline-rich coiled-coil 1	2.36	0.0
<i>Ms4a6b</i>	membrane-spanning 4-domains, subfamily A, member 6B	2.36	0.0
<i>Picalm</i>	phosphatidylinositol binding clathrin assembly protein	2.36	0.0
<i>Csf2rb</i>	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	2.36	0.0
<i>Dnajb5</i>	DnaJ (Hsp40) homolog, subfamily B, member 5	2.36	0.0
<i>Samsn1</i>	SAM domain, SH3 domain and nuclear localization signals, 1	2.36	5.2
<i>Prosapip1</i>	ProSAPiP1 protein	2.36	0.0
<i>C80120</i>	expressed sequence C80120	2.37	0.0
<i>Mbd1</i>	methyl-CpG binding domain protein 1	2.37	0.0
<i>A330106F07Rik</i>	RIKEN cDNA A330106F07 gene	2.37	5.2
<i>Irs2</i>	insulin receptor substrate 2	2.37	0.0
<i>Gpr65</i>	G-protein coupled receptor 65	2.37	0.0
<i>Col5a1</i>	collagen, type V, alpha 1	2.38	0.0
<i>Srsf7</i>	serine/arginine-rich splicing factor 7	2.39	0.0
<i>E030010A14Rik</i>	RIKEN cDNA E030010A14 gene	2.39	0.0
<i>Shb</i>	src homology 2 domain-containing transforming protein B	2.39	0.0
<i>B230216G23Rik</i>	RIKEN cDNA B230216G23 gene	2.39	0.0
<i>Ttc9</i>	tetratricopeptide repeat domain 9	2.39	0.0
<i>Srf</i>	serum response factor	2.39	0.0
<i>Zfml</i>	Zinc finger, matrin-like	2.39	0.0
<i>Prg4</i>	proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein)	2.39	0.0
<i>Hbegf</i>	heparin-binding EGF-like growth factor	2.40	0.0
<i>Smox</i>	spermine oxidase	2.40	0.0
<i>Rps9</i>	ribosomal protein S9	2.40	0.0
<i>Mpp6</i>	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	2.40	0.0
<i>Sema4c</i>	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C	2.41	0.0
<i>Egr2</i>	early growth response 2	2.41	0.0
<i>Daam2</i>	dishevelled associated activator of morphogenesis 2	2.41	0.0
<i>Smpd4</i>	sphingomyelin phosphodiesterase 4	2.41	0.0

<i>Noc2l</i>	nucleolar complex associated 2 homolog (<i>S. cerevisiae</i>)	2.41	0.0
<i>Spsb1</i>	splA/ryanodine receptor domain and SOCS box containing 1	2.41	5.2
<i>Vcan</i>	versican	2.43	0.0
<i>Upp1</i>	uridine phosphorylase 1	2.43	5.2
<i>Tmem108</i>	transmembrane protein 108	2.44	0.0
<i>Heyl</i>	hairy/enhancer-of-split related with YRPW motif-like	2.44	0.0
<i>Tacc3</i>	transforming, acidic coiled-coil containing protein 3	2.44	0.0
<i>Clec4n</i>	C-type lectin domain family 4, member n	2.45	0.0
<i>1700017B05Rik</i>	RIKEN cDNA 1700017B05 gene	2.45	0.0
<i>Itpkc</i>	inositol 1,4,5-trisphosphate 3-kinase C	2.45	0.0
<i>Itgb6</i>	integrin beta 6	2.45	0.0
<i>Dbn1</i>	drebrin 1	2.46	0.0
<i>Col3a1</i>	collagen, type III, alpha 1	2.46	0.0
<i>Syncrip</i>	synaptotagmin binding, cytoplasmic RNA interacting protein	2.46	0.0
<i>Mapk6</i>	mitogen-activated protein kinase 6	2.46	0.0
<i>Zkscan5</i>	zinc finger with KRAB and SCAN domains 5	2.46	0.0
<i>Prmt8</i>	protein arginine N-methyltransferase 8	2.47	0.0
<i>Arl4c</i>	ADP-ribosylation factor-like 4C	2.47	0.0
<i>Rnd3</i>	Rho family GTPase 3	2.48	0.0
<i>Sorbs1</i>	sorbin and SH3 domain containing 1	2.48	0.0
<i>Timp1</i>	tissue inhibitor of metalloproteinase 1	2.48	0.0
<i>Kcnk5</i>	potassium channel, subfamily K, member 5	2.49	0.0
<i>Plat</i>	plasminogen activator, tissue	2.49	0.0
<i>Nid1</i>	nidogen 1	2.49	0.0
<i>F3</i>	coagulation factor III	2.50	0.0
<i>Pla2g7</i>	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	2.50	0.0
<i>Neurl3</i>	neuralized homolog 3 homolog (<i>Drosophila</i>)	2.50	0.0
<i>Fam176a</i>	family with sequence similarity 176, member A	2.50	0.0
<i>March1</i>	membrane-associated ring finger (C3HC4) 1	2.50	0.0
<i>Rasl11b</i>	RAS-like, family 11, member B	2.51	0.0
<i>AI607873</i>	expressed sequence AI607873	2.51	0.0
<i>D8Ert482e</i>	DNA segment, Chr 8, ERATO Doi 82, expressed	2.52	0.0
<i>Entpd4 ///</i>	ectonucleoside triphosphate diphosphohydrolase 4 ///	2.52	0.0
<i>LOC100862375</i>	ectonucleoside triphosphate diphosphohydrolase 4-like		
<i>Rnf152</i>	ring finger protein 152	2.52	0.0
<i>Egfr</i>	epidermal growth factor receptor	2.53	0.0
<i>Btg1</i>	B cell translocation gene 1, anti-proliferative	2.53	0.0
<i>Gm8369</i>	predicted gene 8369	2.53	0.0
<i>Gm11425 /// LOC630855</i>	predicted gene 11425 /// 60S ribosomal protein L12-like	2.54	0.0
<i>/// Rpl12</i>	/// ribosomal protein L12		
<i>Mfsd2b</i>	Major facilitator superfamily domain containing 2B	2.54	0.0
<i>Unc5b</i>	unc-5 homolog B (<i>C. elegans</i>)	2.55	0.0
<i>Bcar1</i>	breast cancer anti-estrogen resistance 1	2.55	0.0
<i>Krt18</i>	keratin 18	2.56	0.0
<i>Gfpt2</i>	glutamine fructose-6-phosphate transaminase 2	2.56	0.0
<i>Kalrn</i>	kalirin, RhoGEF kinase	2.56	5.2
<i>9930012K11Rik</i>	RIKEN cDNA 9930012K11 gene	2.56	0.0

<i>2310014L17Rik</i>	RIKEN cDNA 2310014L17 gene	2.56	0.0
<i>Twistnb</i>	TWIST neighbor	2.56	0.0
<i>Gadd45a</i>	growth arrest and DNA-damage-inducible 45 alpha	2.56	0.0
<i>Nedd9</i>	neural precursor cell expressed, developmentally down-regulated gene 9	2.57	0.0
<i>Snx10</i>	Sorting nexin 10	2.57	0.0
<i>Itk</i>	IL2 inducible T cell kinase	2.57	0.0
<i>Lrp8</i>	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	2.58	0.0
<i>Eprs</i>	glutamyl-prolyl-tRNA synthetase	2.58	0.0
<i>C230007H23Rik</i>	RIKEN cDNA C230007H23 gene	2.58	0.0
<i>Gna13</i>	guanine nucleotide binding protein, alpha 13	2.59	0.0
<i>Crem</i>	cAMP responsive element modulator	2.59	0.0
<i>4833411I10Rik</i>	RIKEN cDNA 4833411I10 gene	2.60	0.0
<i>Gp49a /// Lilrb4</i>	glycoprotein 49 A /// leukocyte immunoglobulin-like receptor, subfamily B, member 4	2.61	0.0
<i>Slc20a1</i>	solute carrier family 20, member 1	2.61	0.0
<i>E430014B02Rik</i>	RIKEN cDNA E430014B02 gene	2.61	0.0
<i>Uchl1</i>	ubiquitin carboxy-terminal hydrolase L1	2.63	0.0
<i>Klhl29</i>	kelch-like 29 (Drosophila)	2.64	0.0
<i>Prdm2</i>	PR domain containing 2, with ZNF domain	2.64	0.0
<i>Gm3776 /// Gsta1 ///</i>	predicted gene 3776 /// glutathione S-transferase, alpha 1 (Ya) /// glutathione S-transferase, alpha 2 (Yc2)	2.64	0.0
<i>Gsta2</i>			
<i>Gas2l3</i>	growth arrest-specific 2 like 3	2.65	0.0
<i>Tacstd2</i>	tumor-associated calcium signal transducer 2	2.65	0.0
<i>AA408650</i>	expressed sequence AA408650	2.65	0.0
<i>Zbtb20</i>	zinc finger and BTB domain containing 20	2.66	0.0
<i>Nfkbid</i>	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, delta	2.66	0.0
<i>Glipr1</i>	GLI pathogenesis-related 1 (glioma)	2.66	0.0
<i>Psme4</i>	proteasome (prosome, macropain) activator subunit 4	2.67	0.0
<i>5730559C18Rik</i>	RIKEN cDNA 5730559C18 gene	2.67	0.0
<i>Arg2</i>	arginase type II	2.67	0.0
<i>Ccdc86</i>	coiled-coil domain containing 86	2.68	0.0
<i>Adamts2</i>	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 2	2.69	0.0
<i>2700038G22Rik</i>	RIKEN cDNA 2700038G22 gene	2.70	0.0
<i>Preb</i>	prolactin regulatory element binding	2.70	0.0
<i>Itpr1p</i>	inositol 1,4,5-triphosphate receptor interacting protein	2.71	0.0
<i>Rin1</i>	Ras and Rab interactor 1	2.71	0.0
<i>Flnb</i>	filamin, beta	2.71	0.0
<i>Btla</i>	B and T lymphocyte associated	2.72	0.0
<i>C230085N15Rik</i>	RIKEN cDNA C230085N15 gene	2.72	0.0
<i>Krt8</i>	keratin 8	2.72	0.0
<i>Fem1c</i>	fem-1 homolog c (C.elegans)	2.73	0.0
<i>Gpr171</i>	G protein-coupled receptor 171	2.74	0.0
<i>Chd1</i>	chromodomain helicase DNA binding protein 1	2.74	0.0
<i>Peg3</i>	paternally expressed 3	2.74	0.0
<i>Pvr</i>	poliovirus receptor	2.75	0.0
<i>4833422B07Rik</i>	RIKEN cDNA 4833422B07 gene	2.75	0.0

<i>Rnf144b</i>	ring finger protein 144B	2.76	5.2
<i>Slc7a6</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	2.77	0.0
<i>4930523C07Rik</i>	RIKEN cDNA 4930523C07 gene	2.78	0.0
<i>Nudt6</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 6	2.78	0.0
<i>Plcxd2</i>	phosphatidylinositol-specific phospholipase C, X domain containing 2	2.78	0.0
<i>Srxn1</i>	sulfiredoxin 1 homolog (<i>S. cerevisiae</i>)	2.79	5.2
<i>Trib1</i>	tribbles homolog 1 (<i>Drosophila</i>)	2.79	0.0
<i>Myo1e</i>	myosin IE	2.79	0.0
<i>Tox</i>	thymocyte selection-associated high mobility group box	2.79	0.0
<i>Litaf</i>	LPS-induced TN factor	2.81	0.0
<i>Sphk1</i>	sphingosine kinase 1	2.81	0.0
<i>Plk3</i>	polo-like kinase 3	2.81	0.0
<i>Cd28</i>	CD28 antigen	2.82	0.0
<i>Anxa1</i>	annexin A1	2.83	5.2
<i>Gprc5b</i>	G protein-coupled receptor, family C, group 5, member B	2.83	0.0
<i>Lox</i>	lysyl oxidase	2.84	0.0
<i>Zfand5</i>	zinc finger, AN1-type domain 5	2.85	0.0
<i>Pkib</i>	protein kinase inhibitor beta, cAMP dependent, testis specific	2.87	0.0
<i>Dnajc25</i>	DnaJ (Hsp40) homolog, subfamily C, member 25	2.92	0.0
<i>Armcx5</i>	armadillo repeat containing, X-linked 5	2.92	0.0
<i>Slc22a3</i>	solute carrier family 22 (organic cation transporter), member 3	2.93	0.0
<i>Rab20</i>	RAB20, member RAS oncogene family	2.93	0.0
<i>Gab2</i>	growth factor receptor bound protein 2-associated protein 2	2.95	0.0
<i>Sh3pxd2b</i>	SH3 and PX domains 2B	2.95	0.0
<i>LOC100862072 /// Loxl2</i>	lysyl oxidase homolog 2-like /// lysyl oxidase-like 2	2.97	0.0
<i>Fam46b</i>	family with sequence similarity 46, member B	2.97	0.0
<i>Slc7a11</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	2.97	5.2
<i>Slc12a9</i>	solute carrier family 12 (potassium/chloride transporters), member 9	2.98	0.0
<i>Ptpn22</i>	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	3.00	0.0
<i>Fcgr4</i>	Fc receptor, IgG, low affinity IV	3.01	0.0
<i>Colla1</i>	collagen, type I, alpha 1	3.01	0.0
<i>Elp4</i>	elongation protein 4 homolog (<i>S. cerevisiae</i>)	3.01	0.0
<i>Pdk4</i>	pyruvate dehydrogenase kinase, isoenzyme 4	3.01	0.0
<i>Eln</i>	elastin	3.02	0.0
<i>Tlr13</i>	toll-like receptor 13	3.02	0.0
<i>Slco1c1</i>	solute carrier organic anion transporter family, member 1c1	3.02	0.0
<i>Id2</i>	inhibitor of DNA binding 2	3.02	0.0
<i>Cd300lf</i>	CD300 antigen like family member F	3.04	0.0
<i>2810403A07Rik</i>	RIKEN cDNA 2810403A07 gene	3.05	0.0
<i>G530011O06Rik</i>	RIKEN cDNA G530011O06 gene	3.06	0.0

<i>Zfp106</i>	zinc finger protein 106	3.07	0.0
<i>Leo1</i>	Leo1, Paf1/RNA polymerase II complex component, homolog (<i>S. cerevisiae</i>)	3.07	0.0
<i>Slc39a14</i>	solute carrier family 39 (zinc transporter), member 14	3.08	0.0
<i>Inhbb</i>	inhibin beta-B	3.09	0.0
<i>D14Erd449e ///</i>	DNA segment, Chr 14, ERATO Doi 449, expressed ///	3.10	0.0
<i>Gm10395 ///</i>	predicted gene 10395 ///		
<i>Gm9746</i>	predicted gene 9746		
<i>Chd7</i>	chromodomain helicase DNA binding protein 7	3.10	0.0
<i>Thbs1</i>	thrombospondin 1	3.11	0.0
<i>Dusp3</i>	dual specificity phosphatase 3 (<i>vaccinia virus</i> phosphatase VH1-related)	3.13	0.0
<i>Ikzf4</i>	IKAROS family zinc finger 4	3.14	0.0
<i>Tnc</i>	tenascin C	3.14	0.0
<i>9130221J17Rik</i>	RIKEN cDNA 9130221J17 gene	3.16	0.0
<i>Rcan1</i>	regulator of calcineurin 1	3.16	0.0
<i>5830453J16Rik</i>	RIKEN cDNA 5830453J16 gene	3.16	0.0
<i>Pdlim7</i>	PDZ and LIM domain 7	3.17	0.0
<i>Stc1</i>	stanniocalcin 1	3.19	0.0
<i>Rprd2</i>	regulation of nuclear pre-mRNA domain containing 2	3.20	0.0
<i>Cdr2</i>	cerebellar degeneration-related 2	3.21	0.0
<i>9630009C16</i>	uncharacterized protein 9630009C16	3.21	0.0
<i>Plk2</i>	polo-like kinase 2	3.22	0.0
<i>Mrpl15</i>	mitochondrial ribosomal protein L15	3.24	0.0
<i>Rhou</i>	ras homolog gene family, member U	3.25	0.0
<i>Hk2</i>	hexokinase 2	3.27	0.0
<i>Plaur</i>	plasminogen activator, urokinase receptor	3.32	0.0
<i>Il1rn</i>	interleukin 1 receptor antagonist	3.32	0.0
<i>Mbnl3</i>	muscleblind-like 3 (<i>Drosophila</i>)	3.35	0.0
<i>2010109K09Rik</i>	RIKEN cDNA 2010109K09 gene	3.37	0.0
<i>5033430I15Rik</i>	RIKEN cDNA 5033430I15 gene	3.37	0.0
<i>Cald1</i>	caldesmon 1	3.38	0.0
<i>Akap12</i>	A kinase (PRKA) anchor protein (gravin) 12	3.39	0.0
<i>Abtb2</i>	ankyrin repeat and BTB (POZ) domain containing 2	3.42	0.0
<i>Cflar</i>	CASP8 and FADD-like apoptosis regulator	3.44	0.0
<i>Gjb2</i>	gap junction protein, beta 2	3.45	0.0
<i>Sdcbp2</i>	syndecan binding protein (syntenin) 2	3.47	0.0
<i>Eppk1</i>	epiplakin 1	3.48	0.0
<i>Rbm12</i>	RNA binding motif protein 12	3.48	0.0
<i>Pi15</i>	peptidase inhibitor 15	3.48	0.0
<i>Cxcl1</i>	chemokine (C-X-C motif) ligand 1	3.48	0.0
<i>Spon2</i>	spondin 2, extracellular matrix protein	3.51	0.0
<i>1700109H08Rik</i>	RIKEN cDNA 1700109H08 gene	3.51	0.0
<i>Rasd1</i>	RAS, dexamethasone-induced 1	3.53	0.0
<i>Adamts15</i>	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 15	3.54	0.0
<i>Slfn1</i>	schlafen 1	3.55	5.2
<i>Slc16a6</i>	solute carrier family 16 (monocarboxylic acid transporters), member 6	3.58	0.0
<i>Selp</i>	selectin, platelet	3.58	0.0
<i>Ptpn2</i>	protein tyrosine phosphatase, non-receptor type 2	3.61	0.0

<i>Spry4</i>	sprouty homolog 4 (Drosophila)	3.63	0.0
<i>Cdkn1a</i>	cyclin-dependent kinase inhibitor 1A (P21)	3.64	0.0
<i>6330406I15Rik</i>	RIKEN cDNA 6330406I15 gene	3.65	0.0
<i>Maff</i>	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)	3.65	0.0
<i>Syk</i>	spleen tyrosine kinase	3.66	0.0
<i>H2-Q10</i>	histocompatibility 2, Q region locus 10	3.66	0.0
<i>Gadd45g</i>	growth arrest and DNA-damage-inducible 45 gamma	3.66	0.0
<i>Slc16a13</i>	solute carrier family 16 (monocarboxylic acid transporters), member 13	3.68	0.0
<i>9430076C15Rik</i>	RIKEN cDNA 9430076C15 gene	3.68	0.0
<i>Pmvk</i>	phosphomevalonate kinase	3.69	0.0
<i>Slc38a4</i>	solute carrier family 38, member 4	3.74	0.0
<i>Il18rap</i>	interleukin 18 receptor accessory protein	3.74	0.0
<i>Ccr1</i>	chemokine (C-C motif) receptor 1	3.77	0.0
<i>Sbno2</i>	strawberry notch homolog 2 (Drosophila)	3.82	0.0
<i>Socs3</i>	suppressor of cytokine signaling 3	3.84	0.0
<i>Btbd11</i>	BTB (POZ) domain containing 11	3.88	0.0
<i>Bcl3</i>	B cell leukemia/lymphoma 3	3.89	0.0
<i>Gm19966</i>	predicted gene, 19966	3.94	0.0
<i>Nlrc3</i>	NLR family, CARD domain containing 3	3.95	0.0
<i>Sgms2</i>	sphingomyelin synthase 2	4.01	0.0
<i>Tnfrsf12a</i>	tumor necrosis factor receptor superfamily, member 12a	4.01	0.0
<i>O3far1</i>	omega-3 fatty acid receptor 1	4.01	0.0
<i>Prkcg</i>	protein kinase C, gamma	4.03	0.0
<i>Tnfaip6</i>	tumor necrosis factor alpha induced protein 6	4.04	0.0
<i>Adamts4</i>	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4	4.06	0.0
<i>Tubb6</i>	tubulin, beta 6 class V	4.06	0.0
<i>Dus4l</i>	dihydrouridine synthase 4-like (S. cerevisiae)	4.09	0.0
<i>Gm3893 /// Gm5859 ///</i>	predicted gene 3893 /// predicted pseudogene 5859 ///	4.10	0.0
<i>Gm7819 ///</i>	predicted gene 7819 /// protein FAM205A-like ///		
<i>LOC100861635 ///</i>	uncharacterized LOC100862237		
<i>LOC100862237</i>			
<i>Mt1</i>	metallothionein 1	4.10	0.0
<i>Cldn23</i>	claudin 23	4.11	0.0
<i>Obfc2a</i>	oligonucleotide/oligosaccharide-binding fold containing 2A	4.14	0.0
<i>9230110K08Rik</i>	RIKEN cDNA 9230110K08 gene	4.18	0.0
<i>Ereg</i>	epiregulin	4.19	0.0
<i>Acta1</i>	actin, alpha 1, skeletal muscle	4.21	0.0
<i>Gem</i>	GTP binding protein (gene overexpressed in skeletal muscle)	4.27	0.0
<i>Trem1</i>	triggering receptor expressed on myeloid cells 1	4.29	0.0
<i>Bcl6b</i>	B cell CLL/lymphoma 6, member B	4.37	0.0
<i>Serpine1</i>	serine (or cysteine) peptidase inhibitor, clade E, member 1	4.38	0.0
<i>Slc26a4</i>	solute carrier family 26, member 4	4.39	0.0
<i>Sprr1a</i>	small proline-rich protein 1A	4.51	0.0
<i>Cd69</i>	CD69 antigen	4.56	0.0
<i>Tmem242</i>	transmembrane protein 242	4.60	0.0

<i>Pde10a</i>	phosphodiesterase 10A	4.61	0.0
<i>Itpr2</i>	Inositol 1,4,5-triphosphate receptor 2	4.62	0.0
<i>Txndc9</i>	thioredoxin domain containing 9	4.63	0.0
<i>Myc</i>	myelocytomatosis oncogene	4.64	0.0
<i>Adm</i>	adrenomedullin	4.66	0.0
<i>Kcne4</i>	potassium voltage-gated channel, Isk-related subfamily, gene 4	4.69	0.0
<i>Adora2b</i>	adenosine A2b receptor	4.71	0.0
<i>Ccrn4l</i>	CCR4 carbon catabolite repression 4-like (<i>S. cerevisiae</i>)	4.75	0.0
<i>Marco</i>	macrophage receptor with collagenous structure	4.81	0.0
<i>Ppp2ca</i>	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	4.88	0.0
<i>4933409K07Rik</i> ///	RIKEN cDNA 4933409K07 gene ///	4.89	0.0
<i>Gm10590</i> ///	predicted gene 10590		
<i>Gm2163</i> ///	predicted gene 2163		
<i>Gm3893</i> ///	predicted gene 3893		
<i>Gm5859</i> ///	predicted pseudogene 5859		
<i>Gm7819</i> ///	predicted gene 7819		
<i>LOC100041516</i> ///	protein FAM205A-like		
<i>LOC100861610</i> ///	uncharacterized		
<i>LOC100861635</i>	LOC100861610 protein FAM205A-like		
<i>Ly6g6c</i>	lymphocyte antigen 6 complex, locus G6C	4.89	0.0
<i>Cd33</i>	CD33 antigen	5.01	0.0
<i>Tlk2</i>	tousled-like kinase 2 (<i>Arabidopsis</i>)	5.08	0.0
<i>Adamts9</i>	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9	5.13	0.0
<i>Sdcbp</i>	syndecan binding protein	5.25	0.0
<i>Gdnf</i>	glial cell line derived neurotrophic factor	5.27	0.0
<i>D14Erd449e</i>	DNA segment, Chr 14, ERATO Doi 449, expressed	5.29	5.2
<i>Mfsd2a</i>	major facilitator superfamily domain containing 2A	5.32	0.0
<i>Clec4d</i>	C-type lectin domain family 4, member d	5.40	0.0
<i>Cxcl5</i>	chemokine (C-X-C motif) ligand 5	5.44	0.0
<i>Gm13889</i>	predicted gene 13889	5.52	0.0
<i>AU023617</i>	expressed sequence AU023617	5.54	0.0
<i>Fbxw10</i> ///	F-box and WD-40 domain protein 10	5.71	0.0
<i>Trim16</i>	tripartite motif-containing 16		
<i>Calca</i>	calcitonin/calcitonin-related polypeptide, alpha	5.78	0.0
<i>Mt2</i>	metallothionein 2	5.81	0.0
<i>Areg</i>	amphiregulin	5.86	0.0
<i>Iffo2</i>	intermediate filament family orphan 2	5.97	0.0
<i>Rdh12</i>	retinol dehydrogenase 12	5.99	0.0
<i>Nfe2l2</i>	nuclear factor, erythroid derived 2, like 2	6.08	0.0
<i>AA467197</i>	expressed sequence AA467197	6.12	0.0
<i>Trim15</i>	tripartite motif-containing 15	6.31	0.0
<i>Sfn</i>	stratifin	7.04	0.0
<i>Creb5</i>	cAMP responsive element binding protein 5	7.12	0.0
<i>Arhgef7</i>	Rho guanine nucleotide exchange factor (GEF7)	7.13	0.0
<i>Alpl</i>	alkaline phosphatase, liver/bone/kidney	7.28	0.0
<i>Arid5a</i>	AT rich interactive domain 5A (MRF1-like)	8.25	0.0
<i>Rad18</i>	RAD18 homolog (<i>S. cerevisiae</i>)	8.28	0.0
<i>Ptx3</i>	pentraxin related gene	8.75	0.0
<i>Clec4e</i>	C-type lectin domain family 4, member e	8.95	0.0

<i>Arntl</i>	aryl hydrocarbon receptor nuclear translocator-like	9.95	0.0
<i>Mmp8</i>	matrix metalloproteinase 8	10.43	0.0
<i>Apol8</i>	apolipoprotein L 8	12.51	0.0
<i>Fos1</i>	fos-like antigen 1	12.92	0.0
<i>Prss22</i>	protease, serine, 22	14.51	0.0
<i>Angptl4</i>	angiopoietin-like 4	15.94	0.0
<i>Nfil3</i>	nuclear factor, interleukin 3, regulated	18.51	0.0
<i>Cxcl2</i>	chemokine (C-X-C motif) ligand 2	19.14	0.0
<i>Dio2</i>	deiodinase, iodothyronine, type II	21.83	0.0
<i>Has1</i>	hyaluronan synthase 1	22.59	0.0
<i>Cldn4</i>	claudin 4	27.05	0.0
<i>Krtap17-1</i>	keratin associated protein 17-1	29.21	0.0
<i>Il1r2</i>	interleukin 1 receptor, type II	29.39	0.0
<i>Apol1</i>	apolipoprotein L domain containing 1	39.16	0.0
<i>Il6</i>	interleukin 6	146.46	0.0

^a FC: fold change, which is calculated by dividing the expression in VILI-exposed WT mice by the expression in WT control mice.