

Supplementary Table S1: RT-qPCR primer sequences for validated targets

Gene Symbol	Gene Name	Entrez Accession No.	Forward primer (5'-3')	Reverse primer (5'-3')
Reference Gene				
<i>Actb</i>	actin, beta	11461	ACCAACTGGGACGATATGGAGAAGA	TACGACCAGAGGCATACAGGGACAA
Adenosine Receptors				
<i>Adora1</i>	adenosine A1 receptor	11539	ATCCCTCTCCGGTACAAGACAGT	ACTCAGGTTGTTCCAGCCAAAC
<i>Adora2a</i>	adenosine A2a receptor	11540	CCTCACGCAGAGTTCCATCTT	TGTACCGGAGTGGAAATTCGG
<i>Adora2b</i>	adenosine A2b receptor	11541	TCTTCCTCGCCTGCCTTCGT	CCAGTGACCAAACCTTTATACCTGA
<i>Adora3</i>	adenosine A3 receptor	11542	ACTTCTATGCCTGCCTTTTCATGT	AACCGTTCTATATCTGACTGTCAGCTT
Microarray Validation				
<i>Acta1</i>	actin, alpha 1, skeletal muscle	11459	CTCTTCCAGCCTTCCTTTATCG	GCATACAGGTCCTTCCTGATGTC
<i>Adipoq</i>	adiponectin, C1Q and collagen domain containing	11450	AGATGCAGGTCTTCTTGGT	GAGCGATACACATAAGCGG
<i>Car3</i>	carbonic anhydrase 3	12350	GGTTCACTGGAATCCAAAGTATAACAC	CCTTTCTCCCGTCCTATCTTCA
<i>Cidec</i>	cell death-inducing DFFA-like effector c	14311	CCATCAGAACAGCGCAAGAA	TTCAGCTTGTACAGGTCGAAGGT
<i>Dbp</i>	D site albumin promoter binding protein	13170	CGCGCAGGCTTGACATCT	GCGGGATCAGGTTCAAAGGT
<i>Il6</i>	interleukin 6	16193	AAGCCAGAGTCCTTCAGAG	TTATCTGTTAGGAGAGCATTGG
<i>Lcn2</i>	lipocalin 2	16819	AAATATGCACAGGTATCCTCAG	CTCCTTGGTTCTTCCATACAG
<i>Mapk8</i>	mitogen-activated protein kinase 8	26419	AAGCCCCACCACCAAAGATC	TCCTCCAAATCCATTACCTCCTT
<i>Stat1</i>	signal transducer and activator of transcription 1	20846	GACCAAAGGAAGCACCAG	TCAGACACAGAAATCAACTCAG
<i>Trpm7</i>	transient receptor potential cation channel, subfamily M, member 7	58800	CTCTTCACTCGGTGCAAGCA	ATCTCGTAACCAATCCGGTAACAA
<i>Txnip</i>	thioredoxin interacting protein	56338	CTGTGAAGGTGATGACATCTCCAT	GCCATTGGCAAGGTAAGTGTGT

TABLE S2: Canonical pathways modified by A2AR KO

Ingenuity Canonical Pathways	-log(p-value)	Ratio	Molecules
Relaxin Signaling	2.45E00	1.99E-02	GNB1, PRKAR2B, PDE3B
Cardiac β -adrenergic Signaling	2.45E00	2.11E-02	GNB1, PRKAR2B, PDE3B
Cellular Effects of Sildenafil (Viagra)	2.4E00	1.99E-02	PRKAR2B, PDE3B, ACTA1
Protein Kinase A Signaling	2.22E00	1.26E-02	GNB1, PRKAR2B, PDE3B, NFATC2
Phototransduction Pathway	2.22E00	3.08E-02	GNB1, PRKAR2B
Germ Cell-Sertoli Cell Junction Signaling	2.2E00	1.88E-02	IQQAP1, ACTA1, MAP3K2
Calcium Signaling	2.06E00	1.47E-02	PRKAR2B, NFATC2, ACTA1
Glutamate Receptor Signaling	2.02E00	2.86E-02	GNB1, SLC38A1
Caveolar-mediated Endocytosis Signaling	1.85E00	2.35E-02	ACTA1, MAP3K2
Nitric Oxide Signaling in the Cardiovascular System	1.83E00	2.02E-02	PRKAR2B, PDE3B
Leptin Signaling in Obesity	1.81E00	2.38E-02	PRKAR2B, PDE3B
Cardiac Hypertrophy Signaling	1.75E00	1.22E-02	GNB1, PRKAR2B, MAP3K2
TR/RXR Activation	1.68E00	2.02E-02	HP, PDE3B
SAPK/JNK Signaling	1.67E00	1.98E-02	GNB1, MAP3K2
Colorectal Cancer Metastasis Signaling	1.67E00	1.17E-02	GNB1, PRKAR2B, PTGER3
α -Adrenergic Signaling	1.66E00	1.89E-02	GNB1, PRKAR2B
RANK Signaling in Osteoclasts	1.66E00	2.04E-02	NFATC2, MAP3K2
G Beta Gamma Signaling	1.65E00	1.68E-02	GNB1, PRKAR2B
IL-1 Signaling	1.64E00	1.89E-02	GNB1, PRKAR2B
fMLP Signaling in Neutrophils	1.53E00	1.57E-02	GNB1, NFATC2
PKC δ Signaling in T Lymphocytes	1.5E00	1.42E-02	NFATC2, MAP3K2
Androgen Signaling	1.48E00	1.39E-02	GNB1, PRKAR2B
P2Y Purigenic Receptor Signaling Pathway	1.45E00	1.47E-02	GNB1, PRKAR2B
GNRH Signaling	1.42E00	1.39E-02	PRKAR2B, MAP3K2
Insulin Receptor Signaling	1.37E00	1.41E-02	PRKAR2B, PDE3B
B Cell Receptor Signaling	1.29E00	1.28E-02	NFATC2, MAP3K2
One Carbon Pool by Folate	1.29E00	2.56E-02	MTR
cAMP-mediated Signaling	1.25E00	1.24E-02	PRKAR2B, PDE3B
Tight Junction Signaling	1.24E00	1.2E-02	PRKAR2B, ACTA1
Axonal Guidance Signaling	1.18E00	7.37E-03	GNB1, PRKAR2B, NFATC2
Role of NFAT in Regulation of the Immune Response	1.17E00	9.9E-03	GNB1, NFATC2
CREB Signaling in Neurons	1.17E00	1.01E-02	GNB1, PRKAR2B
Sonic Hedgehog Signaling	1.16E00	3.03E-02	PRKAR2B
Methionine Metabolism	1.12E00	1.25E-02	MTR
Role of NFAT in Cardiac Hypertrophy	1.1E00	9.57E-03	GNB1, PRKAR2B
G Protein Signaling Mediated by Tubby	1.09E00	2.44E-02	GNB1
Breast Cancer Regulation by Stathmin1	1.09E00	9.95E-03	GNB1, PRKAR2B
Neuroprotective Role of THOP1 in Alzheimer's Disease	1.05E00	1.85E-02	PRKAR2B
G-Protein Coupled Receptor Signaling	1.04E00	9.01E-03	PRKAR2B, PDE3B
Mechanisms of Viral Exit from Host Cells	1.03E00	2.27E-02	ACTA1
April Mediated Signaling	1.03E00	2.38E-02	NFATC2
B Cell Activating Factor Signaling	1.01E00	2.27E-02	NFATC2
Actin Cytoskeleton Signaling	1.01E00	8.44E-03	IQQAP1, ACTA1
MSP-RON Signaling Pathway	9.77E-01	2E-02	ACTA1
Role of Osteoblasts, Osteoclasts and Chondrocytes in Rheumatoid	9.7E-01	8.47E-03	CTSK, NFATC2
Phospholipase C Signaling	9.57E-01	7.81E-03	GNB1, NFATC2
CD27 Signaling in Lymphocytes	9.22E-01	1.75E-02	MAP3K2
Nur77 Signaling in T Lymphocytes	9.22E-01	1.56E-02	MAP3K2
Amyloid Processing	8.97E-01	1.69E-02	PRKAR2B
Calcium-induced T Lymphocyte Apoptosis	8.67E-01	1.43E-02	NFATC2
PXR/RXR Activation	8.31E-01	1.1E-02	PRKAR2B
ERK5 Signaling	8.25E-01	1.41E-02	MAP3K2
CCR5 Signaling in Macrophages	8.18E-01	1.08E-02	GNB1
Eicosanoid Signaling	8.18E-01	1.2E-02	PTGER3
Melatonin Signaling	8.06E-01	1.3E-02	PRKAR2B
IL-4 Signaling	7.99E-01	1.33E-02	NFATC2
Aggrin Interactions at Neuromuscular Junction	7.93E-01	1.45E-02	ACTA1
Aminosugars Metabolism	7.93E-01	8.26E-03	PDE3B
Role of Pattern Recognition Receptors in Recognition of Bacteria a	7.87E-01	1.22E-02	TICAM1
Antiproliferative Role of Somatostatin Receptor 2	7.87E-01	1.25E-02	GNB1
BMP signaling pathway	7.7E-01	1.25E-02	PRKAR2B
Crosstalk between Dendritic Cells and Natural Killer Cells	7.64E-01	1.02E-02	ACTA1
Dopamine Receptor Signaling	7.64E-01	1.08E-02	PRKAR2B
Regulation of Actin-based Motility by Rho	7.22E-01	1.09E-02	ACTA1
Regulation of IL-2 Expression in Activated and Anergic T Lymphocy	7.22E-01	1.11E-02	NFATC2
Role of Macrophages, Fibroblasts and Endothelial Cells in Rheuma	7.17E-01	5.57E-03	HP, NFATC2
Melanocyte Development and Pigmentation Signaling	7.13E-01	1.11E-02	PRKAR2B
Virus Entry via Endocytic Pathways	7.03E-01	1.02E-02	ACTA1
VEGF Signaling	7.03E-01	1.01E-02	ACTA1
FXR/RXR Activation	6.98E-01	9.71E-03	PON1
CDK5 Signaling	6.98E-01	1.06E-02	PRKAR2B
FAK Signaling	6.89E-01	9.8E-03	ACTA1
Fcy Receptor-mediated Phagocytosis in Macrophages and Monocy	6.8E-01	9.9E-03	ACTA1
IGF-1 Signaling	6.8E-01	9.8E-03	PRKAR2B
Glycerolipid Metabolism	6.72E-01	6.41E-03	DGAT1
Neuropathic Pain Signaling In Dorsal Horn Neurons	6.59E-01	9.52E-03	PRKAR2B
T Cell Receptor Signaling	6.59E-01	9.17E-03	NFATC2
HGF Signaling	6.51E-01	9.52E-03	MAP3K2
Rac Signaling	6.31E-01	8.06E-03	IQQAP1
Synaptic Long Term Potentiation	6.28E-01	8.85E-03	PRKAR2B
iCOS-iCOSL Signaling in T Helper Cells	6.28E-01	8.06E-03	NFATC2
Renin-Angiotensin Signaling	6.24E-01	8.2E-03	PRKAR2B
Systemic Lupus Erythematosus Signaling	6.24E-01	6.13E-03	NFATC2
RhoA Signaling	6.2E-01	9.09E-03	ACTA1
Corticotropin Releasing Hormone Signaling	6.13E-01	7.35E-03	PRKAR2B
CCR3 Signaling in Eosinophils	6.02E-01	8.2E-03	GNB1
CD28 Signaling in T Helper Cells	5.95E-01	7.46E-03	NFATC2
Hepatic Cholestasis	5.57E-01	6.06E-03	PRKAR2B
Cdc42 Signaling	5.54E-01	5.59E-03	IQQAP1
Oxidative Phosphorylation	5.54E-01	6.06E-03	PPA1
AMPK Signaling	5.45E-01	5.99E-03	PRKAR2B
Ovarian Cancer Signaling	5.42E-01	7.04E-03	PRKAR2B
PI3K Signaling in B Lymphocytes	5.33E-01	6.8E-03	NFATC2
CXCR4 Signaling	4.87E-01	5.92E-03	GNB1
Production of Nitric Oxide and Reactive Oxygen Species in Macrop	4.87E-01	5.35E-03	MAP3K2
Clathrin-mediated Endocytosis Signaling	4.82E-01	5.92E-03	ACTA1
PPAR α /RXR α Activation	4.72E-01	5.56E-03	PRKAR2B
RAR Activation	4.61E-01	5.52E-03	PRKAR2B
IL-8 Signaling	4.61E-01	5.32E-03	GNB1
Acute Phase Response Signaling	4.57E-01	5.62E-03	HP
NRF2-mediated Oxidative Stress Response	4.5E-01	5.41E-03	ACTA1
ILK Signaling	4.48E-01	5.32E-03	ACTA1
Ephrin Receptor Signaling	4.42E-01	5.05E-03	GNB1
Leukocyte Extravasation Signaling	4.4E-01	5.1E-03	ACTA1
ERK/MAPK Signaling	4.36E-01	5.13E-03	PRKAR2B
Integrin Signaling	4.16E-01	4.9E-03	ACTA1
Thrombin Signaling	4.13E-01	4.85E-03	GNB1
Huntington's Disease Signaling	3.75E-01	4.13E-03	GNB1
Glucocorticoid Receptor Signaling	3.28E-01	3.55E-03	NFATC2
Xenobiotic Metabolism Signaling	3.27E-01	3.38E-03	MAP3K2
Purine Metabolism	2.66E-01	2.28E-03	PDE3B
Molecular Mechanisms of Cancer	2.37E-01	2.67E-03	PRKAR2B

TABLE S3: Biological functions modified by A2AR KO

<u>Category</u>	<u>p-value</u>	<u>Molecules</u>
Cellular Development	7.34E-04-4.5E-02	MRAP, CTSK, SACS, PRKAR2B, PTGER3, NFATC2, TSLP, MAP3K2
Cellular Growth and Proliferation	7.34E-04-4.01E-02	MRAP, PPBP, NFATC2, TSLP
Hematological System Development and Function	7.34E-04-4.5E-02	HP, PTGER3, TICAM1, PPBP, NFATC2, TSLP, MAP3K2
Humoral Immune Response	7.34E-04-4.5E-02	NFATC2, FMOD, TSLP
Cell-To-Cell Signaling and Interaction	1.53E-03-4.74E-02	ANK3, PTGER3, TICAM1, PPBP, NFATC2, IQGAP1, TSLP, MAP3K2
Amino Acid Metabolism	2.55E-03-5.09E-03	SLC38A1
Carbohydrate Metabolism	2.55E-03-4.72E-02	GNB1, PON1, PPBP, PPA1
Cell Death	2.55E-03-4.5E-02	PPBP, NFATC2, TSLP, MAP3K2
Cell Morphology	2.55E-03-3.68E-02	ANK3, PTGER3, NFATC2, CNPY2, IQGAP1, TSLP
Cellular Assembly and Organization	2.55E-03-4.01E-02	ANK3, CTSK, NFATC2, FMOD, CNPY2, IQGAP1, ACTA1
Cellular Compromise	2.55E-03-4.01E-02	ANK3, HP, CTSK, PTGER3, PPBP
Cellular Function and Maintenance	2.55E-03-1.52E-02	HP, PPBP, NFATC2, TSLP, MAP3K2
Cellular Movement	2.55E-03-4.58E-02	GNB1, CTSK, HP, TICAM1, PPBP, NFATC2, IQGAP1, TSLP
Connective Tissue Development and Function	2.55E-03-3.02E-02	CTSK, RPL22, PTGER3, PDE3B, PPBP, CIDEA, NFATC2
Connective Tissue Disorders	2.55E-03-5.09E-03	NFATC2
Developmental Disorder	2.55E-03-2.55E-03	CTSK
Genetic Disorder	2.55E-03-4.01E-02	ANK3, CTSK, PTGER3, CIDEA, IQGAP1, TSLP, MRAP, GNB1, PON1, HP, PRKAR2B, PDE3B, NFATC2, DGAT1, ACTA1
Hair and Skin Development and Function	2.55E-03-5.09E-03	PTGER3, DGAT1
Immune Cell Trafficking	2.55E-03-3.51E-02	HP, TICAM1, PPBP, NFATC2, TSLP
Inflammatory Response	2.55E-03-4.67E-02	HP, PTGER3, TICAM1, PPBP, NFATC2, FMOD, TSLP
Lipid Metabolism	2.55E-03-4.25E-02	PON1, HP, PDE3B, PPBP, CIDEA, DGAT1
Molecular Transport	2.55E-03-4.25E-02	GNB1, PON1, HP, PDE3B, PTGER3, PPBP, CIDEA, SLC38A1, DGAT1
Nervous System Development and Function	2.55E-03-3.68E-02	MRAP, ANK3, NFATC2, IQGAP1, CNPY2
Neurological Disease	2.55E-03-3.76E-02	GNB1, ANK3, PON1, HP, PRKAR2B, PDE3B, NFATC2
Nucleic Acid Metabolism	2.55E-03-2.55E-03	PPA1
Organ Morphology	2.55E-03-1.02E-02	NFATC2, DGAT1
Skeletal and Muscular Disorders	2.55E-03-7.63E-03	CTSK, NFATC2, ACTA1
Skeletal and Muscular System Development and Function	2.55E-03-2.77E-02	CTSK, NFATC2, FMOD, TSLP, ACTA1
Small Molecule Biochemistry	2.55E-03-4.74E-02	GNB1, PON1, HP, PDE3B, PPBP, CIDEA, SLC38A1, DGAT1, PPA1
Tissue Development	2.55E-03-2.52E-02	CTSK, RPL22, PTGER3, FMOD, MAP3K2
Gastrointestinal Disease	2.6E-03-3.83E-02	HP, IQGAP1, TSLP
Hepatic System Disease	2.6E-03-3.83E-02	HP, DGAT1, IQGAP1, TSLP
Organismal Injury and Abnormalities	2.6E-03-4.74E-02	HP, NFATC2, TSLP
Cell Signaling	2.78E-03-3.34E-02	GNB1, HP, PTGER3, PPBP
Organismal Functions	4.82E-03-2.52E-02	PTGER3, DGAT1, FMOD
Cell-mediated Immune Response	5.09E-03-1.02E-02	NFATC2, TSLP, MAP3K2
Embryonic Development	5.09E-03-1.02E-02	MRAP, TSLP, MAP3K2
Endocrine System Disorders	5.09E-03-3.57E-02	MRAP, ANK3, PON1, CUX2, SLC05A1, PTGER3, PDE3B, CIDEA, NFATC2, DGAT1, IQGAP1, ELL2
Hematopoiesis	5.09E-03-4.5E-02	NFATC2, TSLP, MAP3K2
Immunological Disease	5.09E-03-1.14E-02	ANK3, PON1, CUX2, HP, SLC05A1, PTGER3, NFATC2, ELL2
Inflammatory Disease	5.09E-03-4.01E-02	HP, PTGER3, NFATC2, TSLP
Lymphoid Tissue Structure and Development	5.09E-03-2.77E-02	PPBP, NFATC2
Renal and Urological System Development and Function	5.09E-03-5.09E-03	PTGER3
Respiratory Disease	5.09E-03-4.01E-02	PTGER3, TSLP
Tissue Morphology	5.09E-03-3.27E-02	ANK3, CTSK, NFATC2, TSLP
Organismal Development	7.63E-03-7.63E-03	FMOD
Reproductive System Development and Function	7.63E-03-7.63E-03	PTGER3, DGAT1
Respiratory System Development and Function	7.63E-03-1.02E-02	PTGER3
Metabolic Disease	8.75E-03-4.23E-02	ANK3, PON1, CUX2, SLC05A1, PTGER3, PDE3B, CIDEA, NFATC2, MTR, DGAT1, IQGAP1, ELL2
Cancer	1.02E-02-3.83E-02	HP, IQGAP1, TSLP
Cell Cycle	1.02E-02-3.02E-02	PDE3B, CIDEA, NFATC2, TSLP
Tumor Morphology	1.02E-02-1.02E-02	IQGAP1
Reproductive System Disease	1.13E-02-4.5E-02	ANK3, PON1, PTGER3, IQGAP1, ELL2
Behavior	1.52E-02-1.52E-02	GNB1
Antigen Presentation	1.77E-02-4.5E-02	PPBP, FMOD, TSLP
Gene Expression	1.77E-02-4.5E-02	PRKAR2B, NFATC2, ELL2
Vitamin and Mineral Metabolism	2.02E-02-3.34E-02	GNB1, PTGER3, PPBP, DGAT1
Cardiovascular System Development and Function	2.52E-02-2.52E-02	NFATC2
Organ Development	2.52E-02-2.52E-02	NFATC2
Renal and Urological Disease	3.02E-02-3.02E-02	PTGER3
Cardiovascular Disease	3.17E-02-4.85E-02	PON1, PDE3B, ACTA1
Hypersensitivity Response	3.27E-02-3.27E-02	TSLP
Post-Translational Modification	4.74E-02-4.74E-02	CTSK

TABLE S4 - Genes modified by LPS

Gene Symbol	Gene Name	Affymetrix ID	Fold-Change	%FDR
	Up-Regulated			
<i>Len2</i>	lipocalin 2	1427747 a at	590.24	0.00
<i>Saa3</i>	serum amyloid A 3	1450826 a at	515.71	0.00
<i>Serpina3n</i>	serine (or cysteine) peptidase inhibitor, clade A, member 3N	1419100 at	122.38	0.00
<i>BC023105</i>	cDNA sequence BC023105	1425394 at	106.76	0.00
<i>Cxcl9</i>	chemokine (C-X-C motif) ligand 9	1418652 at	100.82	0.00
<i>Cxcl1</i>	chemokine (C-X-C motif) ligand 1	1419209 at	88.95	0.00
<i>Serpina3g</i>	serine (or cysteine) peptidase inhibitor, clade A, member 3G	1424923 at	84.27	0.00
<i>Ifit1</i>	interferon-induced protein with tetratricopeptide repeats 1	1450783 at	83.36	0.00
<i>Ifit3</i>	interferon-induced protein with tetratricopeptide repeats 3	1449025 at	64.03	0.00
<i>Cd274</i>	CD274 antigen	1419714 at	58.61	0.00
<i>Mt2</i>	metallothionein 2	1428942 at	54.18	0.00
<i>Cxcl5</i>	chemokine (C-X-C motif) ligand 5	1419728 at	52.40	0.00
<i>Mpa2l</i> /// <i>LOC626578</i> /// <i>LOC673101</i>	macrophage activation 2 like /// similar to macrophage activation 2 like /// similar to macrophage activation 2 like	1438676_at	51.37	0.00
<i>Herc5</i>	hect domain and RLD 5	1432026 a at	43.64	0.00
<i>Cxcl2</i>	chemokine (C-X-C motif) ligand 2	1449984 at	35.84	0.00
<i>Igtp</i>	interferon gamma induced GTPase	1417141 at	35.14	0.00
<i>Il6</i>	interleukin 6	1450297 at	34.00	0.00
---	---	1458589 at	33.74	0.00
<i>Usp18</i>	ubiquitin specific peptidase 18	1418191 at	32.49	0.00
<i>Cxcl10</i>	chemokine (C-X-C motif) ligand 10	1418930 at	31.12	0.00
<i>Ptx3</i>	pentraxin related gene	1418666 at	31.06	0.00
<i>Iigp1</i>	interferon inducible GTPase 1	1419042 at	30.81	0.00
<i>S100a9</i>	S100 calcium binding protein A9 (calgranulin B)	1448756 at	30.15	0.00
<i>Irf7</i>	interferon regulatory factor 7	1417244 a at	30.09	0.00
<i>Ifit2</i>	interferon-induced protein with tetratricopeptide repeats 2	1418293 at	30.01	0.00
<i>S100a8</i>	S100 calcium binding protein A8 (calgranulin A)	1419394 s at	29.33	0.00
<i>Iigp2</i>	interferon inducible GTPase 2	1417793 at	29.12	0.00
<i>Csf3</i>	colony stimulating factor 3 (granulocyte)	1419427 at	27.79	0.00
<i>Mpa2l</i> /// <i>LOC626578</i> /// <i>LOC673101</i>	macrophage activation 2 like /// similar to macrophage activation 2 like /// similar to macrophage activation 2 like	1447927_at	27.05	0.00
<i>Cxcl1</i>	chemokine (C-X-C motif) ligand 1	1457644 s at	25.49	0.00
<i>Rsad2</i>	radical S-adenosyl methionine domain containing 2	1421008 at	23.83	0.00
<i>Lrg1</i>	leucine-rich alpha-2-glycoprotein 1	1417290 at	23.31	0.00
<i>Irgm</i>	immunity-related GTPase family, M	1418825 at	23.12	0.00
<i>Fpr-rs2</i>	formyl peptide receptor, related sequence 2	1422953 at	22.86	0.00
<i>Rsad2</i>	radical S-adenosyl methionine domain containing 2	1421009 at	22.65	0.00
<i>Ifi44</i>	interferon-induced protein 44	1423555 a at	22.31	0.00
<i>LOC677168</i>	hypothetical protein LOC677168	1431591 s at	21.06	0.00
<i>Timp1</i>	tissue inhibitor of metalloproteinase 1	1460227 at	20.72	0.00
<i>Gbp2</i>	guanylate nucleotide binding protein 2	1418240 at	20.65	0.00
<i>Angptl4</i>	angiopoietin-like 4	1417130 s at	20.56	0.00
<i>2210407C18Rik</i>	RIKEN cDNA 2210407C18 gene	1425233 at	20.52	0.00
<i>Gbp4</i>	guanylate nucleotide binding protein 4	1418392 a at	20.50	0.00
<i>Plac8</i>	placenta-specific 8	1451335 at	19.78	0.00
<i>Mbd1</i>	methyl-CpG binding domain protein 1	1453678 at	19.05	0.00
<i>LOC240327</i>	Hypothetical LOC240327	1439831 at	19.01	0.00
<i>Inhbb</i>	inhibin beta-B	1426858 at	18.79	0.00
<i>Socs3</i>	suppressor of cytokine signaling 3	1455899 x at	18.78	0.00
<i>Cxcl13</i>	chemokine (C-X-C motif) ligand 13	1417851 at	18.46	0.00
<i>Iigp1</i>	interferon inducible GTPase 1	1419043 a at	18.38	0.00
<i>Gbp2</i>	guanylate nucleotide binding protein 2	1435906 x at	17.84	0.00
<i>Slc10a6</i>	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	1428776 at	17.53	0.00
<i>Socs3</i>	suppressor of cytokine signaling 3	1456212 x at	17.36	0.00
<i>Ifi47</i>	interferon gamma inducible protein 47	1417292 at	17.23	0.00
<i>Samhd1</i>	SAM domain and HD domain, 1	1418131 at	17.22	0.00
<i>Tgtp</i>	T-cell specific GTPase	1449009 at	17.17	0.00
<i>A1451557</i>	expressed sequence A1451557	1437176 at	17.12	0.00
<i>Oasl2</i>	2'-5' oligoadenylate synthetase-like 2	1453196 a at	16.41	0.00
<i>Hdc</i>	histidine decarboxylase	1454713 s at	15.94	0.00
<i>Tap1</i>	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	1416016 at	15.48	0.00
<i>Rsad2</i>	radical S-adenosyl methionine domain containing 2	1436058 at	15.36	0.00
<i>Cfb</i>	complement factor B	1417314 at	15.05	0.00
<i>Selp</i>	selectin, platelet	1420558 at	15.05	0.00
<i>Ifi202b</i>	interferon activated gene 202B	1457666 s at	14.59	0.00
<i>AA467197</i>	expressed sequence AA467197	1434046 at	14.22	0.01
<i>Fbxo39</i>	F-box protein 39	1443698 at	14.04	0.00
<i>Nfkbiz</i>	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	1417483 at	13.27	0.00
<i>Zbp1</i>	Z-DNA binding protein 1	1429947 a at	13.09	0.00
<i>Herc5</i>	hect domain and RLD 5	1438037 at	13.08	0.00
<i>9830147J24Rik</i>	RIKEN cDNA 9830147J24 gene	1434380 at	13.05	0.00
<i>Stat1</i>	signal transducer and activator of transcription 1	1450033 a at	12.87	0.00
<i>Adams4</i>	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 4	1452595_at	12.84	0.00
<i>Rip4</i>	receptor transporter protein 4	1418580 at	12.83	0.00
<i>Ms4a11</i>	membrane-spanning 4-domains, subfamily A, member 11	1419599 s at	12.70	0.00
<i>Ankrd2</i>	ankyrin repeat domain 2 (stretch responsive muscle)	1419621 at	12.43	0.00
<i>Bst2</i>	bone marrow stromal cell antigen 2	1424921 at	12.14	0.00
<i>9830147J24Rik</i>	RIKEN cDNA 9830147J24 gene	1425156 at	12.09	0.00
<i>Psmb8</i>	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	1422962 a at	11.94	0.00
<i>Slnf4</i>	schlafen 4	1427102 at	11.93	0.00
<i>Saa1</i>	serum amyloid A 1	1419075 s at	11.84	0.00
<i>Psmb9</i>	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	1450696 at	11.70	0.00
<i>Ccl2</i>	chemokine (C-C motif) ligand 2	1420380 at	11.64	0.00
<i>Dscr1</i>	Down syndrome critical region homolog 1 (human)	1416601 a at	11.07	0.00
<i>Cxcl13</i>	chemokine (C-X-C motif) ligand 13	1448859 at	10.72	0.00
<i>Mmp3</i>	matrix metalloproteinase 3	1418945 at	10.70	0.00
---	Transcribed locus	1436274 at	10.69	0.02
<i>Ms4a6d</i>	membrane-spanning 4-domains, subfamily A, member 6D	1419598 at	10.65	0.00
<i>Parp14</i>	poly (ADP-ribose) polymerase family, member 14	1451564 at	10.62	0.00
---	---	1447285 at	10.49	0.00
<i>Slc15a3</i>	solute carrier family 15, member 3	1420697 at	10.43	0.00

<i>Tlr2</i>	toll-like receptor 2	1419132 at	10.38	0.00
<i>D14Erd668e</i>	DNA segment, Chr 14, ERATO Doi 668, expressed	1438868 at	10.38	0.00
<i>Cdkn1a</i>	cyclin-dependent kinase inhibitor 1A (P21)	1424638 at	10.35	0.00
<i>Irg1</i>	immunoresponsive gene 1	1427381 at	10.28	0.00
<i>Chi3l3</i>	chitinase 3-like 3	1419764 at	10.27	0.00
<i>Oasl1</i>	2'-5' oligoadenylate synthetase-like 1	1424339 at	10.25	0.00
<i>Ccl5</i>	chemokine (C-C motif) ligand 5	1418126 at	10.03	0.00
---	---	1455393 at	9.90	0.00
<i>Lox</i>	lysyl oxidase	1416121 at	9.87	0.00
---	---	1438027 at	9.85	0.00
<i>Mbd1</i>	methyl-CpG binding domain protein 1	1430838 x at	9.79	0.00
<i>Msr1</i>	macrophage scavenger receptor 1	1448061 at	9.74	0.00
<i>Cxcl9</i>	chemokine (C-X-C motif) ligand 9	1456907 at	9.48	0.00
<i>Tapbp1</i>	TAP binding protein-like	1451544 at	9.47	0.00
<i>Cp</i>	ceruloplasmin	1441326 at	9.39	0.00
<i>Cyp1b1</i>	cytochrome P450, family 1, subfamily b, polypeptide 1	1416613 at	9.38	0.00
<i>Upp1</i>	uridine phosphorylase 1	1448562 at	9.34	0.00
<i>Icam1</i>	intercellular adhesion molecule	1424067 at	9.32	0.00
<i>Fkbp5</i>	FK506 binding protein 5	1416125 at	9.28	0.00
<i>Ifih1</i>	interferon induced with helicase C domain 1	1426276 at	9.20	0.00
<i>Ifi202b</i>	interferon activated gene 202B	1421551 s at	9.15	0.00
<i>Casp4</i>	caspace 4, apoptosis-related cysteine peptidase	1449591 at	9.12	0.00
<i>Tnfaip3</i>	tumor necrosis factor, alpha-induced protein 3	1433699 at	9.10	0.00
<i>Ctla2b</i>	cytotoxic T lymphocyte-associated protein 2 beta	1452352 at	9.01	0.00
<i>Marco</i>	macrophage receptor with collagenous structure	1449498 at	9.00	0.00
<i>Lox</i>	lysyl oxidase	1448228 at	9.00	0.00
<i>Stat1</i>	signal transducer and activator of transcription 1	1450034 at	8.99	0.00
<i>LOC630509 /// LOC674192</i>	similar to H-2 class I histocompatibility antigen, Q7 alpha chain precursor (QA-2 antigen) /// region containing histocompatibility 2, Q region locus 9; histocompatibility 2, Q region locus 7	1418536_at	8.96	0.00
<i>Socs3</i>	suppressor of cytokine signaling 3	1416576 at	8.91	0.00
<i>Ms4a4c</i>	membrane-spanning 4-domains, subfamily A, member 4C	1450291 s at	8.87	0.00
<i>Rnd1</i>	Rho family GTPase 1	1455197 at	8.86	0.00
<i>Lgals3bp</i>	lectin, galactoside-binding, soluble, 3 binding protein	1448380 at	8.68	0.00
<i>BC013672</i>	cDNA sequence BC013672	1451777 at	8.66	0.00
<i>Cebpd</i>	CCAAT/enhancer binding protein (C/EBP), delta	1423233 at	8.64	0.00
<i>Ifi204 /// LOC672547</i>	interferon activated gene 204 /// similar to Interferon-activatable protein 204 (Ifi-204) (Interferon-inducible protein p204)	1419603_at	8.55	0.00
<i>Dtx3l</i>	deltex 3-like (Drosophila)	1435208 at	8.54	0.00
<i>Stat1</i>	signal transducer and activator of transcription 1	1420915 at	8.52	0.00
<i>Ubd</i>	ubiquitin D	1419762 at	8.29	0.00
<i>Cp</i>	ceruloplasmin	1448734 at	8.05	0.00
<i>Ibrdc3</i>	IBR domain containing 3	1432478 a at	8.03	0.00
<i>Cp</i>	ceruloplasmin	1417495 x at	8.00	0.00
<i>Serpina3m</i>	serine (or cysteine) peptidase inhibitor, clade A, member 3M	1421921 at	7.93	0.00
<i>Psmb10</i>	proteasome (prosome, macropain) subunit, beta type 10	1448632 at	7.91	0.00
<i>H2-T23 /// C920025E04Rik /// LOC667803 /// LOC672711 /// LOC674134</i>	histocompatibility 2, T region locus 23 /// RIKEN cDNA C920025E04 gene /// similar to H-2 class I histocompatibility antigen, D-37 alpha chain precursor /// similar to H-2 class I histocompatibility antigen, D-37 alpha chain precursor /// similar to H-2 class I histocompatibility antigen, D-37 alpha chain precursor	1449556_at	7.90	0.00
<i>Parp9</i>	poly (ADP-ribose) polymerase family, member 9	1416897 at	7.79	0.00
<i>Cyp1b1</i>	cytochrome P450, family 1, subfamily b, polypeptide 1	1416612 at	7.62	0.00
<i>Fgl2</i>	fibrinogen-like protein 2	1421854 at	7.58	0.01
<i>Myc</i>	myelocytomatosis oncogene	1424942 a at	7.51	0.00
<i>Mbd1</i>	methyl-CpG binding domain protein 1	1417968 a at	7.46	0.00
<i>Sphk1</i>	sphingosine kinase 1	1451596 a at	7.44	0.00
<i>Herc5</i>	hect domain and RLD 5	1453757 at	7.41	0.00
<i>0610037M15Rik</i>	RIKEN cDNA 0610037M15 gene	1431008 at	7.37	0.00
<i>Ube1l</i>	ubiquitin-activating enzyme E1-like	1426971 at	7.36	0.00
<i>Hp</i>	haptoglobin	1448881 at	7.34	0.00
<i>Cp</i>	ceruloplasmin	1417494 a at	7.27	0.00
<i>Bcr</i>	breakpoint cluster region homolog	1452368 at	7.11	0.00
<i>Slc39a14</i>	solute carrier family 39 (zinc transporter), member 14	1457770 at	7.08	0.00
<i>Trim30</i>	tripartite motif protein 30	1451860 a at	6.98	0.00
<i>Pfkfb3</i>	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	1416432 at	6.97	0.00
<i>Nfkbiz</i>	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	1448728 a at	6.86	0.00
<i>Oas1a</i>	2'-5' oligoadenylate synthetase 1A	1424775 at	6.80	0.00
---	---	1455660 at	6.79	0.00
<i>Selp</i>	selectin, platelet	1449906 at	6.78	0.00
<i>Pgf</i>	placental growth factor	1418471 at	6.76	0.00
<i>Pap</i>	pancreatitis-associated protein	1448290 at	6.75	0.00
<i>Mtl</i>	metallothionein 1	1422557 s at	6.73	0.00
<i>4833442J19Rik</i>	RIKEN cDNA 4833442J19 gene	1457915 at	6.68	0.00
<i>D11Egp2e</i>	DNA segment, Chr 11, Lothar Hennighausen 2, expressed	1451426 at	6.67	0.00
<i>Clec4d</i>	C-type lectin domain family 4, member d	1420804 s at	6.66	0.00
<i>H2-D1 /// H2-K1 /// LOC56628</i>	histocompatibility 2, D region locus 1 /// histocompatibility 2, K1, K region /// MHC (A.CA/J(H-2K-f)) class I antigen	1424948_x_at	6.64	0.00
<i>Plaur</i>	plasminogen activator, urokinase receptor	1452521 a at	6.61	0.00
<i>Sema5a</i>	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A	1434776 at	6.61	0.00
<i>Dtx3l</i>	deltex 3-like (Drosophila)	1439825 at	6.60	0.00
<i>Mpeg1 /// LOC671359</i>	macrophage expressed gene 1 /// similar to macrophage expressed gene 1	1427076 at	6.58	0.00
<i>H2-K1</i>	histocompatibility 2, K1, K region	1427746 x at	6.57	0.00
<i>Zfp697</i>	zinc finger protein 697	1440999 at	6.55	0.00
<i>Fgl2</i>	fibrinogen-like protein 2	1421855 at	6.49	0.00
<i>H2-Q1 /// 0610037M15Rik</i>	histocompatibility 2, Q region locus 1 /// RIKEN cDNA 0610037M15 gene	1451644 a at	6.47	0.00
<i>Ccl7</i>	chemokine (C-C motif) ligand 7	1421228 at	6.44	0.00
<i>Map3k8</i>	mitogen activated protein kinase kinase kinase 8	1419208 at	6.34	0.00
<i>Parp12</i>	poly (ADP-ribose) polymerase family, member 12	1426774 at	6.33	0.00
<i>Tyki</i>	thymidylate kinase family LPS-inducible member	1450484 a at	6.30	0.00
<i>Stat1</i>	signal transducer and activator of transcription 1	1440481 at	6.14	0.00
<i>Cxcl11</i>	chemokine (C-X-C motif) ligand 11	1419697 at	6.13	0.02
<i>Snx10</i>	sorting nexin 10	1431055 a at	6.11	0.00
<i>Gbp1</i>	guanylate nucleotide binding protein 1	1420549 at	6.08	0.00
<i>Loh11cr2a</i>	loss of heterozygosity, 11, chromosomal region 2, gene A homolog (human)	1426221 at	6.07	0.00
<i>Clr</i>	complement component 1, r subcomponent	1417009 at	6.07	0.00
<i>Slc45a3</i>	solute carrier family 45, member 3	1426663 s at	6.05	0.00

<i>Samhd1</i>	SAM domain and HD domain, 1	1434438 at	6.05	0.00
<i>Sh2d5</i>	SH2 domain containing 5	1436100 at	6.03	0.01
<i>Iff35</i>	interferon-induced protein 35	1445897 s at	6.02	0.00
<i>Iff35</i>	interferon-induced protein 35	1424617 at	6.01	0.00
<i>Hmox1</i>	heme oxygenase (decycling) 1	1448239 at	6.00	0.00
<i>Hck</i>	hemopoietic cell kinase	1449455 at	5.94	0.00
<i>Zbp1</i>	Z-DNA binding protein 1	1419604 at	5.94	0.00
<i>LOC620695</i>	hypothetical protein LOC620695	1455271 at	5.93	0.01
<i>Asb4</i>	ankyrin repeat and SOCS box-containing protein 4	1423422 at	5.93	0.00
<i>Asb4</i>	ankyrin repeat and SOCS box-containing protein 4	1433919 at	5.93	0.01
<i>Il18bp</i>	interleukin 18 binding protein	1450424 a at	5.92	0.00
<i>Ngp</i>	neutrophilic granule protein	1418722 at	5.87	0.00
<i>Clea1 // Clca2</i>	chloride channel calcium activated 1 // chloride channel calcium activated 2	1460259 s at	5.85	0.00
<i>D11Erd759e // LOC672513</i>	DNA segment, Chr 11, ERATO Doi 759, expressed // similar to chromosome 17 open reading frame 27	1455500 at	5.80	0.00
<i>6030422H21Rik</i>	RIKEN cDNA 6030422H21 gene	1441799 at	5.79	0.00
<i>E230013L22Rik</i>	RIKEN cDNA E230013L22 gene	1439098 at	5.73	0.00
<i>Irak3</i>	interleukin-1 receptor-associated kinase 3	1435040 at	5.72	0.00
<i>9230117N10Rik</i>	RIKEN cDNA 9230117N10 gene	1416200 at	5.71	0.00
<i>Fcgr3a</i>	Fc fragment of IgG, low affinity IIIa, receptor	1425225 at	5.71	0.00
<i>Ear1 // Ear2 // Ear3 // Ear12</i>	eosinophil-associated, ribonuclease A family, member 1 // eosinophil-associated, ribonuclease A family, member 2 // eosinophil-associated, ribonuclease A family, member 3 // eosinophil-associated, ribonuclease A family, member 12	1422411_s at	5.68	0.00
<i>Cyp7b1</i>	cytochrome P450, family 7, subfamily b, polypeptide 1	1421074 at	5.66	0.00
<i>Hdc</i>	histidine decarboxylase	1451796 s at	5.63	0.00
<i>C1r // LOC667277 // LOC677405</i>	complement component 1, r subcomponent // similar to Complement C1r-B subcomponent precursor (Complement component 1, r-B subcomponent) // similar to complement component 1, r subcomponent	1456437_x at	5.63	0.00
<i>Igam</i>	integrin alpha M	1422046 at	5.60	0.00
<i>Enc1</i>	ectodermal-neural cortex 1	1420965 a at	5.60	0.00
<i>Nmi</i>	N-myc (and STAT) interactor	1425719 a at	5.60	0.00
<i>C1s</i>	complement component 1, s subcomponent	1424041 s at	5.59	0.00
<i>Saa1</i>	serum amyloid A 1	1450788 at	5.54	0.00
<i>1200016E24Rik</i>	RIKEN cDNA 1200016E24 gene	1452418 at	5.52	0.00
<i>Prg4</i>	proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein)	1449824 at	5.51	0.00
<i>Fkbp5</i>	FK506 binding protein 5	1448231 at	5.46	0.00
<i>Osmr</i>	oncostatin M receptor	1418675 at	5.45	0.00
<i>Stat2</i>	signal transducer and activator of transcription 2	1450403 at	5.44	0.00
<i>Sdc4</i>	syndecan 4	1448793 a at	5.44	0.00
<i>Iff35</i>	interferon-induced protein 35	1459151 x at	5.42	0.00
<i>AI607873</i>	expressed sequence AI607873	1457035 at	5.42	0.00
<i>Ccl19</i>	chemokine (C-C motif) ligand 19	1449277 at	5.39	0.00
<i>Osmr</i>	oncostatin M receptor	1418674 at	5.37	0.00
<i>BC013672</i>	cDNA sequence BC013672	1439114 at	5.36	0.01
<i>Mikl</i>	mixed lineage kinase domain-like	1429570 at	5.36	0.00
<i>Fpr1</i>	formyl peptide receptor 1	1450808 at	5.36	0.00
<i>Ube1 // D330022A01Rik</i>	ubiquitin-activating enzyme E1-like // RIKEN cDNA D330022A01 gene	1426970 a at	5.35	0.00
<i>Sln8</i>	schlafen 8	1451655 at	5.34	0.00
<i>Cdkn1a</i>	cyclin-dependent kinase inhibitor 1A (P21)	1421679 a at	5.31	0.00
<i>Ibrdc3</i>	IBR domain containing 3	1435226 at	5.31	0.00
<i>Plec1 // LOC671535</i>	plectin 1 // similar to poly (ADP-ribose) polymerase family, member 10	1452178 at	5.30	0.00
<i>1110007F12Rik</i>	RIKEN cDNA 1110007F12 gene	1424354 at	5.29	0.00
<i>Syt12</i>	synaptotagmin XII	1422878 at	5.29	0.00
<i>Steap4</i>	STEAP family member 4	1425829 a at	5.26	0.01
<i>Ctps</i>	cytidine 5'-triphosphate synthase	1416563 at	5.20	0.00
<i>Cp</i>	ceruloplasmin	1417496 at	5.20	0.00
<i>1200007C13Rik</i>	RIKEN cDNA 1200007C13 gene	1431837 at	5.14	0.00
<i>Pde4b</i>	phosphodiesterase 4B, cAMP specific	1422473 at	5.13	0.01
<i>Ddx58</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	1436562 at	5.10	0.00
<i>Trex1</i>	three prime repair exonuclease 1	1450672 a at	5.09	0.00
<i>Ifitm1</i>	interferon induced transmembrane protein 1	1424254 at	5.04	0.00
<i>A630077B13Rik</i>	RIKEN cDNA A630077B13 gene	1436576 at	5.03	0.02
<i>H2-K1</i>	Histocompatibility 2, K1, K region	1451593 at	5.03	0.00
<i>H2-K1</i>	histocompatibility 2, K1, K region	1425336 x at	5.03	0.00
<i>Casp12</i>	caspase 12	1418981 at	5.01	0.00
<i>Selp</i>	selectin, platelet	1440173 x at	5.00	0.00
<i>Irf8</i>	interferon regulatory factor 8	1416714 at	5.00	0.00
<i>Fbp1</i>	fructose biphosphatase 1	1448470 at	4.98	0.00
<i>Mbd1</i>	methyl-CpG binding domain protein 1	1437061 at	4.98	0.00
<i>Ctla2a</i>	cytotoxic T lymphocyte-associated protein 2 alpha	1448471 a at	4.97	0.00
<i>Junb</i>	Jun-B oncogene	1415899 at	4.97	0.00
<i>Uck2</i>	Uridine-cytidine kinase 2	1441858 at	4.96	0.01
<i>Tmem38b</i>	transmembrane protein 38B	1449677 s at	4.95	0.00
<i>Xdh</i>	xanthine dehydrogenase	1451006 at	4.95	0.00
<i>Tapbp</i>	TAP binding protein	1450378 at	4.92	0.00
<i>Sln1</i>	schlafen 1	1418612 at	4.92	0.00
<i>Casp12</i>	caspase 12	1449297 at	4.90	0.00
<i>Ch25h</i>	cholesterol 25-hydroxylase	1449227 at	4.89	0.00
<i>2310016F22Rik // BC020489</i>	RIKEN cDNA 2310016F22 gene // cDNA sequence BC020489	1424518 at	4.86	0.00
<i>Cd14</i>	CD14 antigen	1417268 at	4.86	0.00
<i>Sema5a</i>	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A	1437422 at	4.86	0.00
<i>Dscr1</i>	Down syndrome critical region homolog 1 (human)	1416600 a at	4.84	0.00
<i>Tap2</i>	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	1453913 a at	4.79	0.00
<i>Enc1</i>	ectodermal-neural cortex 1	1450061 at	4.79	0.00
<i>Chac1</i>	ChaC, cation transport regulator-like 1 (E. coli)	1451382 at	4.79	0.00
<i>Trim34 // LOC434218 // LOC640746</i>	tripartite motif protein 34 // similar to Tripartite motif protein 34 // similar to Tripartite motif protein 34	1421550_a at	4.78	0.00
<i>Pvr</i>	poliovirus receptor	1423905 at	4.78	0.00
<i>Pde4b</i>	phosphodiesterase 4B, cAMP specific	1422474 at	4.78	0.02
<i>Mt1</i>	metallothionein 1	1451612 at	4.78	0.00
<i>---</i>	12 days embryo spinal cord cDNA, RIKEN full-length enriched library, clone:C530003P15 product:unclassifiable, full insert sequence	1458271_at	4.76	0.00
<i>Anxa7</i>	annexin A7	1416138 at	4.75	0.00
<i>Stat2</i>	signal transducer and activator of transcription 2	1421911 at	4.73	0.00
<i>Cyb561</i>	cytochrome b-561	1417507 at	4.72	0.00
<i>LOC547343</i>	similar to H-2 class I histocompatibility antigen, L-D alpha chain precursor	1451683 x at	4.69	0.00

<i>Fen1</i>	flap structure specific endonuclease 1	1421731 a at	4.67	0.00
<i>Trim30</i>	tripartite motif protein 30	1417961 a at	4.66	0.00
<i>Trim30</i> /// <i>A1451617</i>	tripartite motif protein 30 /// expressed sequence A1451617	1456494 a at	4.66	0.00
<i>Plscr1</i> /// <i>LOC433328</i> /// <i>LOC677340</i>	phospholipid scramblase 1 /// hypothetical LOC433328 /// hypothetical protein LOC677340	1429527_a at	4.65	0.00
<i>Slc39a14</i>	solute carrier family 39 (zinc transporter), member 14	1427035 at	4.62	0.00
<i>Pvr</i>	poliovirus receptor	1450295 s at	4.61	0.00
<i>Arts1</i>	type 1 tumor necrosis factor receptor shedding aminopeptidase regulator	1439068 at	4.61	0.00
<i>8430417A20Rik</i>	RIKEN cDNA 8430417A20 gene	1430352 at	4.61	0.01
<i>Fem1b</i>	feminization 1 homolog b (C. elegans)	1418323 at	4.61	0.00
<i>Ampd3</i>	AMP deaminase 3	1422573 at	4.59	0.00
<i>2610307O08Rik</i>	RIKEN cDNA 2610307O08 gene	1447621 s at	4.58	0.00
<i>Plscr1</i>	phospholipid scramblase 1	1453181 x at	4.55	0.00
<i>Gadd45g</i>	growth arrest and DNA-damage-inducible 45 gamma	1453851 a at	4.54	0.00
<i>Indo</i>	indoleamine-pyrrole 2,3 dioxygenase	1420437 at	4.50	0.00
<i>Wars</i>	tryptophanyl-tRNA synthetase	1425106 a at	4.50	0.00
<i>Nfkbia</i>	nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha	1449731 s at	4.49	0.00
<i>Arts1</i>	type 1 tumor necrosis factor receptor shedding aminopeptidase regulator	1416942 at	4.48	0.00
<i>Map3k6</i>	mitogen-activated protein kinase kinase kinase 6	1449901 a at	4.46	0.00
<i>Ptp4a1</i>	protein tyrosine phosphatase 4a1	1419024 at	4.45	0.00
<i>Tapbp</i>	TAP binding protein	1421812 at	4.45	0.00
<i>Mbd1</i>	methyl-CpG binding domain protein 1	1430837 a at	4.45	0.00
<i>Stno</i>	strawberry notch homolog (Drosophila)	1458308 at	4.43	0.00
<i>C3</i>	complement component 3	1423954 at	4.43	0.00
<i>Iigb3</i>	integrin beta 3	1455257 at	4.42	0.00
<i>A330021E22Rik</i>	RIKEN cDNA A330021E22 gene	1455859 at	4.41	0.00
<i>Birc3</i>	baculoviral IAP repeat-containing 3	1421392 s at	4.38	0.00
<i>Tlr3</i>	toll-like receptor 3	1422781 at	4.36	0.00
<i>C330012H03Rik</i>	RIKEN cDNA C330012H03 gene	1439764 s at	4.36	0.00
<i>Zbtb16</i>	Zinc finger and BTB domain containing 16	1459557 at	4.34	0.00
<i>Ctla2a</i> /// <i>Ctla2b</i>	cytotoxic T lymphocyte-associated protein 2 alpha /// cytotoxic T lymphocyte-associated protein 2 beta	1416811_s at	4.31	0.00
<i>Sostdc1</i>	sclerostin domain containing 1	1449340 at	4.30	0.00
<i>Ifitm3</i>	interferon induced transmembrane protein 3	1423754 at	4.30	0.00
<i>A1447904</i>	expressed sequence A1447904	1435331 at	4.28	0.00
<i>Clca1</i>	chloride channel calcium activated 1	1417852 x at	4.28	0.00
<i>Tlr3</i>	toll-like receptor 3	1422782 s at	4.27	0.00
<i>Eif2ak2</i>	eukaryotic translation initiation factor 2-alpha kinase 2	1440866 at	4.25	0.00
<i>Nfkbie</i>	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	1458299 s at	4.25	0.00
<i>Tgm2</i>	transglutaminase 2, C polypeptide	1426004 a at	4.24	0.00
<i>Lman1l</i>	lectin, mannose-binding 1 like	1451922 at	4.23	0.00
<i>Wars</i>	tryptophanyl-tRNA synthetase	1415694 at	4.22	0.00
<i>Ier3</i>	immediate early response 3	1419647 a at	4.20	0.00
<i>Eif1a</i>	eukaryotic translation initiation factor 1A	1424344 s at	4.19	0.00
<i>Eif2ak2</i>	eukaryotic translation initiation factor 2-alpha kinase 2	1422005 at	4.16	0.00
<i>Ube2l6</i>	ubiquitin-conjugating enzyme E2L 6	1417172 at	4.16	0.00
<i>Isgf3g</i>	interferon dependent positive acting transcription factor 3 gamma	1421322 a at	4.15	0.00
<i>Ucp3</i>	uncoupling protein 3 (mitochondrial, proton carrier)	1420657 at	4.14	0.02
<i>Sema3f</i>	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	1425840_a at	4.13	0.00
<i>Darc</i>	Duffy blood group, chemokine receptor	1432273 a at	4.11	0.00
<i>Fcgr2b</i>	Fc receptor, IgG, low affinity IIb	1435477 s at	4.10	0.00
<i>Slc39a14</i>	solute carrier family 39 (zinc transporter), member 14	1438490 at	4.08	0.00
---	---	1430751 at	4.07	0.00
<i>Nfkbia</i>	nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha	1448306 at	4.07	0.00
<i>A130040M12Rik</i>	RIKEN cDNA A130040M12 gene	1435640 x at	4.04	0.00
<i>A130040M12Rik</i>	RIKEN cDNA A130040M12 gene	1428909 at	4.03	0.00
<i>Uck2</i>	uridine-cytidine kinase 2	1448604 at	4.02	0.00
<i>H2-D1</i>	histocompatibility 2, D region locus 1	1426324 at	4.02	0.00
<i>H2-T22</i> /// <i>H2-T9</i>	histocompatibility 2, T region locus 22 /// histocompatibility 2, T region locus 9	1449875 s at	4.02	0.00
<i>Zfp36</i>	zinc finger protein 36	1452519 a at	4.00	0.00
<i>Myd88</i>	myeloid differentiation primary response gene 88	1419272 at	4.00	0.00
---	Transcribed locus	1435872 at	3.99	0.00
<i>Stno</i>	strawberry notch homolog (Drosophila)	1443721 x at	3.99	0.00
<i>Steap4</i>	STEAP family member 4	1460197 a at	3.98	0.00
<i>Cenpj</i>	centromere protein J	1437643 at	3.98	0.00
<i>Serpine1</i>	serine (or cysteine) peptidase inhibitor, clade E, member 1	1419149 at	3.98	0.01
<i>Tmem38b</i>	transmembrane protein 38B	1424700 at	3.97	0.00
<i>Slc45a3</i>	solute carrier family 45, member 3	1426664 x at	3.97	0.00
<i>Cnksr1</i> /// <i>LOC637116</i>	connector enhancer of kinase suppressor of Ras 1 /// similar to connector enhancer of kinase suppressor of Ras 1	1455399_at	3.96	0.00
<i>B2m</i>	Beta-2 microglobulin	1427511 at	3.96	0.00
<i>Wars</i>	tryptophanyl-tRNA synthetase	1434813 x at	3.95	0.00
<i>Batf2</i>	basic leucine zipper transcription factor, ATF-like 2	1430005 a at	3.95	0.00
<i>2410006H16Rik</i>	RIKEN cDNA 2410006H16 gene	1447936 at	3.95	0.00
<i>Irf1</i>	interferon regulatory factor 1	1448436 a at	3.94	0.00
<i>Cflar</i>	CASP8 and FADD-like apoptosis regulator	1449317 at	3.93	0.01
<i>Ogfr</i>	opioid growth factor receptor	1422512 a at	3.92	0.00
<i>1200015M12Rik</i> /// <i>1200016E24Rik</i> /// <i>A130040M12Rik</i> /// <i>E430024C06Rik</i>	RIKEN cDNA 1200015M12 gene /// RIKEN cDNA 1200016E24 gene /// RIKEN cDNA A130040M12 gene /// RIKEN cDNA E430024C06 gene	1435137_s at	3.90	0.00
<i>Lv6a</i>	lymphocyte antigen 6 complex, locus A	1417185 at	3.90	0.00
<i>Nfkbia</i>	nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha	1438157 s at	3.90	0.00
<i>Eif1a</i>	eukaryotic translation initiation factor 1A	1424343 a at	3.87	0.00
---	Transcribed locus	1441150 x at	3.86	0.00
<i>Cyp7b1</i>	cytochrome P450, family 7, subfamily b, polypeptide 1	1421075 s at	3.85	0.00
<i>Mcoln2</i>	mucoilin 2	1431705 a at	3.84	0.00
<i>Mx2</i>	myxovirus (influenza virus) resistance 2	1419676 at	3.84	0.00
<i>Ifi205</i> /// <i>Mnda</i>	interferon activated gene 205 /// myeloid cell nuclear differentiation antigen	1452349 x at	3.84	0.00
<i>0610011104Rik</i>	RIKEN cDNA 0610011104 gene	1425603 at	3.84	0.00
<i>Shrm</i>	shroom	1454211 a at	3.81	0.00
<i>Pim1</i>	proviral integration site 1	1435458 at	3.80	0.00

<i>Ifi203</i> /// <i>Ifi204</i> /// <i>LOC192690</i> /// <i>Ifi205</i> /// <i>Mnda</i> /// <i>LOC640890</i> /// <i>LOC672547</i> /// <i>LOC677184</i>	interferon activated gene 203 /// interferon activated gene 204 /// similar to interferon activated gene 205 /// interferon activated gene 205 /// myeloid cell nuclear differentiation antigen /// similar to Interferon-activatable protein 205 (IFI-205) (D3 protein) /// similar to Interferon-activatable protein 204 (Ifi-204) (Interferon-inducible protein p204) /// similar to Interferon-activatable protein 204 (Ifi-204) (Interferon-inducible protein p204)	1452348_s_at	3.80	0.00
<i>Psat1</i>	phosphoserine aminotransferase 1	1454607_s_at	3.77	0.00
<i>2310030G06Rik</i>	RIKEN cDNA 2310030G06 gene	1449357_at	3.77	0.00
<i>Bst1</i>	bone marrow stromal cell antigen 1	1449453_at	3.76	0.00
<i>Car4</i>	carbonic anhydrase 4	1418094_s_at	3.75	0.00
<i>Fas</i>	Fas (TNF receptor superfamily member)	1460251_at	3.75	0.00
<i>Bcl2a1a</i> /// <i>Bcl2a1b</i> /// <i>Bcl2a1d</i>	B-cell leukemia/lymphoma 2 related protein A1a /// B-cell leukemia/lymphoma 2 related protein A1b /// B-cell leukemia/lymphoma 2 related protein A1d	1419004_s_at	3.74	0.00
<i>Cebpb</i>	CCAAT/enhancer binding protein (C/EBP), beta	1427844_a_at	3.72	0.00
<i>Ccr12</i>	chemokine (C-C motif) receptor-like 2	1427736_a_at	3.71	0.01
<i>1110025F24Rik</i>	RIKEN cDNA 1110025F24 gene	1430530_s_at	3.69	0.00
<i>Fmn12</i>	formin-like 2	1428579_at	3.69	0.00
<i>Uck2</i>	uridine-cytidine kinase 2	1439740_s_at	3.69	0.00
<i>Cxcl1</i>	chemokine (C-X-C motif) ligand 1	1441855_x_at	3.67	0.00
<i>Nfkb1a</i>	Nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha	1420089_at	3.66	0.00
<i>1200003110Rik</i> /// <i>1200015M12Rik</i> /// <i>1200016E24Rik</i> /// <i>A130040M12Rik</i> /// <i>E430024C06Rik</i>	RIKEN cDNA 1200003110 gene /// RIKEN cDNA 1200015M12 gene /// RIKEN cDNA 1200016E24 gene /// RIKEN cDNA A130040M12 gene /// RIKEN cDNA E430024C06 gene	1427932_s_at	3.65	0.00
<i>Car4</i>	carbonic anhydrase 4	1448949_at	3.65	0.00
<i>Pde4b</i>	phosphodiesterase 4B, cAMP specific	1442700_at	3.64	0.01
<i>4833442J19Rik</i>	RIKEN cDNA 4833442J19 gene	1427202_at	3.64	0.00
<i>Clic4</i>	chloride intracellular channel 4 (mitochondrial)	1423392_at	3.61	0.01
<i>Pvr</i>	poliovirus receptor	1423904_a_at	3.60	0.00
<i>Capp</i>	capping protein (actin filament), gelsolin-like	1450355_a_at	3.60	0.00
<i>4930513N20Rik</i>	RIKEN cDNA 4930513N20 gene	1433148_at	3.57	0.00
<i>Anxa7</i>	annexin A7	1416137_at	3.57	0.00
<i>Axud1</i>	AXIN1 up-regulated 1	1434350_at	3.57	0.00
<i>Abhd1</i>	abhydrolase domain containing 1	1418148_at	3.56	0.00
<i>Tmem23</i>	transmembrane protein 23	1426575_at	3.56	0.00
<i>1110067D22Rik</i>	RIKEN cDNA 1110067D22 gene	1424318_at	3.56	0.00
<i>B2m</i>	beta-2 microglobulin	1449289_a_at	3.55	0.00
<i>Spr1a</i>	small proline-rich protein 1A	1449133_at	3.55	0.02
<i>Gcnt2</i>	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	1425503_at	3.54	0.00
<i>Gna13</i>	guanine nucleotide binding protein, alpha 13	1430295_at	3.53	0.00
<i>Trim21</i>	tripartite motif protein 21	1418077_at	3.53	0.00
<i>Adfp</i>	adipose differentiation related protein	1448318_at	3.52	0.00
<i>Prkce</i>	Protein kinase C, epsilon	1444649_at	3.52	0.00
<i>AA408556</i>	expressed sequence AA408556	1434239_at	3.52	0.00
<i>Snord22</i>	small nucleolar RNA, C/D box 22	1433674_a_at	3.52	0.00
<i>Gm1960</i>	gene model 1960, (NCBI)	1438148_at	3.51	0.00
---	Adult male bone cDNA, RIKEN full-length enriched library, clone:9830165G24 product:unclassifiable, full insert sequence	1457824_at	3.50	0.00
<i>Pim3</i>	proviral integration site 3	1451069_at	3.50	0.00
<i>Adams1</i>	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 1	1450716_at	3.49	0.01
<i>B2m</i>	beta-2 microglobulin	1452428_a_at	3.49	0.00
<i>Wars</i>	tryptophanyl-tRNA synthetase	1437832_x_at	3.48	0.00
---	---	1420273_x_at	3.48	0.00
<i>Maff</i>	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)	1418936_at	3.47	0.00
---	---	1420272_at	3.47	0.00
<i>Sele</i>	selectin, endothelial cell	1421712_at	3.47	0.00
<i>Ms4a6c</i>	membrane-spanning 4-domains, subfamily A, member 6C	1450234_at	3.46	0.00
<i>Lbp</i>	lipopolysaccharide binding protein	1448550_at	3.45	0.00
---	---	1421326_at	3.44	0.00
<i>Nfe2l2</i>	nuclear factor, erythroid derived 2, like 2	1457117_at	3.44	0.00
<i>1110067D22Rik</i>	RIKEN cDNA 1110067D22 gene	1451313_a_at	3.43	0.00
<i>Phf15</i>	PHD finger protein 15	1455345_at	3.43	0.00
<i>Mgst1</i>	microsomal glutathione S-transferase 1	1415897_a_at	3.43	0.00
<i>6330412F12Rik</i>	RIKEN cDNA 6330412F12 gene	1452777_a_at	3.42	0.00
<i>Clec4e</i>	C-type lectin domain family 4, member e	1420330_at	3.42	0.00
<i>Trim21</i>	tripartite motif protein 21	1448940_at	3.42	0.00
<i>Adar</i>	adenosine deaminase, RNA-specific	1425405_a_at	3.41	0.00
---	---	1456544_at	3.40	0.00
<i>Chi3l3</i> /// <i>Chi3l4</i>	chitinase 3-like 3 /// chitinase 3-like 4	1425451_s_at	3.40	0.00
<i>Efh2</i>	EF hand domain containing 2	1431339_a_at	3.40	0.00
<i>Psat1</i>	phosphoserine aminotransferase 1	1451064_a_at	3.39	0.00
<i>Pdk4</i>	pyruvate dehydrogenase kinase, isoenzyme 4	1417273_at	3.39	0.00
<i>Arrdc4</i>	arrestin domain containing 4	1424759_at	3.39	0.00
<i>Asns</i>	asparagine synthetase	1433966_x_at	3.38	0.00
<i>Tor3a</i>	torsin family 3, member A	1428660_s_at	3.38	0.00
<i>2810474O19Rik</i>	RIKEN cDNA 2810474O19 gene	1452397_at	3.38	0.00
<i>Parp14</i>	poly (ADP-ribose) polymerase family, member 14	1432548_at	3.37	0.00
<i>Dtna</i>	dystrobrevin alpha	1419223_a_at	3.37	0.00
<i>C2</i>	Complement component 2 (within H-2S)	1457664_x_at	3.37	0.00
<i>1200002N14Rik</i>	RIKEN cDNA 1200002N14 gene	1424524_at	3.36	0.00
<i>Shrm</i>	shroom	1422629_s_at	3.35	0.00
<i>Tgm2</i>	transglutaminase 2, C polypeptide	1417500_a_at	3.35	0.00
---	---	1446346_at	3.34	0.00
<i>Il4ra</i>	interleukin 4 receptor, alpha	1421034_a_at	3.34	0.00
<i>5133401N09Rik</i>	RIKEN cDNA 5133401N09 gene	1424496_at	3.34	0.00
<i>Slc39a14</i>	solute carrier family 39 (zinc transporter), member 14	1425649_at	3.34	0.00
<i>Cspg2</i>	chondroitin sulfate proteoglycan 2	1421694_a_at	3.33	0.00
<i>Hcls1</i>	hematopoietic cell specific Lyn substrate 1	1418842_at	3.33	0.00
<i>Cxcl14</i>	chemokine (C-X-C motif) ligand 14	1418457_at	3.33	0.00
<i>Cebpb</i>	CCAAT/enhancer binding protein (C/EBP), beta	1418901_at	3.32	0.00
<i>2810474O19Rik</i>	RIKEN cDNA 2810474O19 gene	1429588_at	3.32	0.00
<i>Tmem23</i>	transmembrane protein 23	1426576_at	3.30	0.00
<i>H2-L</i>	histocompatibility 2, D region	1451931_x_at	3.30	0.00
<i>Tmem23</i>	transmembrane protein 23	1436499_at	3.30	0.00
---	---	1455965_at	3.29	0.00

3930401B19Rik /// 1200016E24Rik /// A130040M12Rik /// E430024C06Rik	RIKEN cDNA 3930401B19 gene /// RIKEN cDNA 1200016E24 gene /// RIKEN cDNA A130040M12 gene /// RIKEN cDNA E430024C06 gene	1453238_s_at	3.29	0.00
<i>Ada</i>	adenosine deaminase	1417976_at	3.28	0.00
<i>Cxcl16</i>	chemokine (C-X-C motif) ligand 16	1449195_s_at	3.28	0.00
<i>Pim3</i>	proviral integration site 3	1437100_x_at	3.28	0.00
<i>Il1rn</i>	interleukin 1 receptor antagonist	1451798_at	3.28	0.00
<i>Arrdc2</i>	arrestin domain containing 2	1428352_at	3.27	0.00
5230400M03Rik	RIKEN cDNA 5230400M03 gene	1441843_s_at	3.26	0.00
<i>Ms4a6b</i>	membrane-spanning 4-domains, subfamily A, member 6B	1418826_at	3.26	0.00
<i>Tgm2</i>	transglutaminase 2, C polypeptide	1455900_x_at	3.26	0.00
<i>Tiparp</i>	TCDD-inducible poly(ADP-ribose) polymerase	1452160_at	3.25	0.00
<i>Trim68</i>	tripartite motif containing 68	1455124_at	3.25	0.00
<i>Tinagl</i>	tubulointerstitial nephritis antigen-like	1417109_at	3.25	0.00
<i>Irf8</i>	interferon regulatory factor 8	1448452_at	3.24	0.01
<i>Sell</i>	selectin, lymphocyte	1419480_at	3.24	0.00
<i>Fmn12</i>	Formin-like 2	1446245_at	3.23	0.00
<i>Ms4a4c</i>	membrane-spanning 4-domains, subfamily A, member 4C	1420671_x_at	3.23	0.00
<i>Efh2</i>	EF hand domain containing 2	1437478_s_at	3.22	0.00
E030010A14Rik	RIKEN cDNA E030010A14 gene	1437595_at	3.22	0.00
<i>Lgals9</i>	lectin, galactose binding, soluble 9	1421217_a_at	3.22	0.00
<i>Herc5</i>	hect domain and RLD 5	1431095_a_at	3.21	0.00
<i>Serpinb9</i>	serine (or cysteine) peptidase inhibitor, clade B, member 9	1422601_at	3.20	0.00
<i>Rtp4</i>	receptor transporter protein 4	1449143_at	3.20	0.00
<i>Soat1</i>	Sterol O-acyltransferase 1	1426818_at	3.20	0.00
<i>Ifitm6</i>	interferon induced transmembrane protein 6	1440865_at	3.20	0.00
<i>Mtus1</i>	mitochondrial tumor suppressor 1	1436502_at	3.20	0.00
<i>Ddx58</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	1456890_at	3.20	0.00
<i>Myp</i>	major vault protein	1456586_x_at	3.19	0.00
<i>Steap2</i>	six transmembrane epithelial antigen of prostate 2	1428636_at	3.19	0.00
<i>Lgals3</i>	lectin, galactose binding, soluble 3	1426808_at	3.19	0.00
<i>Myp</i>	major vault protein	1448618_at	3.19	0.00
<i>Jmjd1c</i>	Jumonji domain containing 1C	1441592_at	3.18	0.01
<i>Tgm2</i>	transglutaminase 2, C polypeptide	1437277_x_at	3.17	0.00
C730049O14Rik	RIKEN cDNA C730049O14 gene	1435084_at	3.17	0.00
<i>Gvin1</i>	GTPase, very large interferon inducible 1	1429184_at	3.17	0.00
<i>Glul</i>	glutamate-ammonia ligase (glutamine synthetase)	1426235_a_at	3.17	0.00
<i>Fbxo31</i>	F-box only protein 31	1417969_at	3.16	0.00
<i>Cblb</i>	Casitas B-lineage lymphoma b	1455082_at	3.15	0.00
<i>Ucp2</i>	uncoupling protein 2 (mitochondrial, proton carrier)	1459740_s_at	3.15	0.00
<i>Marcks11</i>	MARCKS-like 1	1437226_x_at	3.14	0.00
<i>Shrm</i>	shroom	1451854_a_at	3.14	0.00
H2-D1 /// H2-L /// LOC547343 /// LOC636948	histocompatibility 2, D region locus 1 /// histocompatibility 2, D region /// similar to H-2 class I histocompatibility antigen, L-D alpha chain precursor /// similar to H-2 class I histocompatibility antigen, D-B alpha chain precursor (H-2D(B))	1451784_x_at	3.13	0.00
<i>A1426953</i>	expressed sequence A1426953	1442018_at	3.13	0.01
<i>Tiparp</i>	TCDD-inducible poly(ADP-ribose) polymerase	1426721_s_at	3.12	0.00
<i>Gpr133</i> /// LOC669205	G protein-coupled receptor 133 /// similar to G protein-coupled receptor 133	1455466_at	3.12	0.00
<i>Ear2</i>	eosinophil-associated, ribonuclease A family, member 2	1449846_at	3.11	0.00
<i>Itg2</i>	integrin beta 2	1450678_at	3.10	0.00
4732416N19Rik	RIKEN cDNA 4732416N19 gene	1435261_at	3.10	0.00
<i>Smo</i>	strawberry notch homolog (Drosophila)	1439349_at	3.10	0.00
<i>Ctsl</i>	cathepsin L	1451310_a_at	3.10	0.00
2210403K04Rik	RIKEN cDNA 2210403K04 gene	1428562_at	3.09	0.02
<i>Ptp4a1</i>	protein tyrosine phosphatase 4a1	1455002_at	3.09	0.00
<i>Gna13</i>	guanine nucleotide binding protein, alpha 13	1453470_a_at	3.09	0.00
<i>Asah3l</i>	N-acylsphingosine amidohydrolase 3-like	1451355_at	3.07	0.00
H2-D1	histocompatibility 2, D region locus 1	1425545_x_at	3.07	0.00
<i>Litaf</i>	LPS-induced TN factor	1416303_at	3.07	0.00
<i>Snord22</i>	small nucleolar RNA, C/D box 22	1439399_a_at	3.07	0.00
<i>Relb</i>	avian reticuloendotheliosis viral (v-rel) oncogene related B	1417856_at	3.07	0.00
<i>Ogfr</i>	opioid growth factor receptor	1422511_a_at	3.06	0.00
<i>Tbk1</i>	TANK-binding kinase 1	1422469_at	3.06	0.00
<i>St3gal1</i>	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	1418946_at	3.04	0.00
<i>Pap</i>	pancreatitis-associated protein	1416297_s_at	3.04	0.00
<i>Acot1</i>	acyl-CoA thioesterase 1	1449065_at	3.04	0.00
<i>Psm2</i>	proteasome (prosome, macropain) 28 subunit, beta	1417189_at	3.04	0.00
<i>Rasd1</i>	RAS, dexamethasone-induced 1	1423619_at	3.03	0.00
<i>Cd38</i>	CD38 antigen	1433741_at	3.03	0.00
D18Erid232e	DNA segment, Chr 18, ERATO Doi 232, expressed	1441115_at	3.03	0.00
<i>Bcl3</i>	B-cell leukemia/lymphoma 3	1418133_at	3.03	0.00
<i>Il2rg</i>	interleukin 2 receptor, gamma chain	1416295_a_at	3.02	0.00
<i>Igsf6</i>	immunoglobulin superfamily, member 6	1421408_at	3.01	0.00
<i>Nfkb1a</i>	nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha	1420088_at	2.99	0.00
<i>Snord22</i>	small nucleolar RNA, C/D box 22	1433675_at	2.99	0.00
<i>Gprc5b</i>	G protein-coupled receptor, family C, group 5, member B	1424613_at	2.99	0.00
<i>Irak3</i>	interleukin-1 receptor-associated kinase 3	1430704_at	2.98	0.00
<i>Hamp1</i>	hepcidin antimicrobial peptide 1	1419197_x_at	2.98	0.00
<i>Tgm2</i>	transglutaminase 2, C polypeptide	1433428_x_at	2.98	0.00
<i>Sln2</i>	schlafen 2	1450165_at	2.97	0.00
<i>Fcgr1</i>	Fc receptor, IgG, high affinity 1	1417876_at	2.97	0.00
1110008H02Rik	RIKEN cDNA 1110008H02 gene	1436506_a_at	2.97	0.00
<i>Abcc3</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	1428988_at	2.96	0.00
4732473B16Rik	RIKEN cDNA 4732473B16 gene	1433877_at	2.96	0.00
<i>Fkbp5</i>	FK506 binding protein 5	1458089_at	2.96	0.00
<i>Traf41</i>	TRAF type zinc finger domain containing 1	1428346_at	2.95	0.00
<i>Klhl2</i>	kelch-like 2, Mayven (Drosophila)	1458351_s_at	2.95	0.02
<i>C4b</i> /// LOC675521	complement component 4B (Childo blood group) /// similar to Complement C4 precursor	1418021_at	2.94	0.00
<i>Fcgr2b</i>	Fc receptor, IgG, low affinity IIb	1451941_a_at	2.94	0.00
<i>Adh1</i>	alcohol dehydrogenase 1 (class I)	1416225_at	2.93	0.00
<i>Isg20</i>	interferon-stimulated protein	1419569_a_at	2.92	0.00
2810474O19Rik	RIKEN cDNA 2810474O19 gene	1427334_s_at	2.92	0.13
A1649393	expressed sequence A1649393	1439050_at	2.91	0.00
<i>Adams9</i>	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 9	1431399_at	2.91	0.03
<i>Pvr</i>	poliovirus receptor	1423903_at	2.91	0.00

<i>Pml</i>	promyelocytic leukemia	1459137 at	2.91	0.00
<i>Rnf125</i>	ring finger protein 125	1429399 at	2.90	0.00
<i>Cblb</i>	Casitas B-lineage lymphoma b	1458469 at	2.90	0.00
<i>Tgoln1</i>	trans-golgi network protein	1418520 at	2.90	0.00
<i>Uap1 /// LOC640502</i>	UDP-N-acetylglucosamine pyrophosphorylase 1 /// similar to UDP-N-acetylhexosamine pyrophosphorylase	1456516_x_at	2.90	0.00
<i>Rrad</i>	Ras-related associated with diabetes	1422562 at	2.89	0.00
<i>Ucp3</i>	uncoupling protein 3 (mitochondrial, proton carrier)	1420658 at	2.89	0.00
<i>1200009106Rik</i>	RIKEN cDNA 1200009106 gene	1428420 a at	2.89	0.00
<i>Bzrp</i>	benzodiazepine receptor, peripheral	1456251 x at	2.89	0.00
<i>Sult1a1</i>	sulfotransferase family 1A, phenol-preferring, member 1	1427345 a at	2.89	0.00
<i>Ptprf</i>	protein tyrosine phosphatase, receptor type, F	1420842 at	2.89	0.00
<i>Msr1</i>	macrophage scavenger receptor 1	1422062 at	2.88	0.00
<i>Fads3</i>	fatty acid desaturase 3	1418773 at	2.88	0.00
<i>Hamp1</i>	hepcidin antimicrobial peptide 1	1419196 at	2.88	0.00
<i>Gda</i>	guanine deaminase	1435749 at	2.87	0.00
<i>Rai14</i>	retinoic acid induced 14	1417400 at	2.87	0.00
<i>Slc11a1</i>	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	1420361 at	2.87	0.00
<i>1190002H23Rik</i>	RIKEN cDNA 1190002H23 gene	1418003 at	2.87	0.01
<i>Gprc3b</i>	G protein-coupled receptor, family C, group 5, member B	1451411 at	2.87	0.00
<i>Fcrlg</i>	Fc receptor, IgE, high affinity I, gamma polypeptide	1418340 at	2.86	0.00
<i>Flot2</i>	Flotillin 2	1436666 at	2.86	0.00
<i>Tspan4</i>	tetraspanin 4	1448276 at	2.86	0.00
<i>Oscn6</i>	quiescin Q6	1420831 at	2.86	0.00
<i>Il17ra</i>	interleukin 17 receptor A	1420905 at	2.86	0.00
<i>1110003O08Rik</i>	RIKEN cDNA 1110003O08 gene	1428926 at	2.85	0.00
<i>Ms4a8a</i>	membrane-spanning 4-domains, subfamily A, member 8A	1418797 at	2.85	0.00
<i>Comt</i>	catechol-O-methyltransferase	1449183 at	2.84	0.00
<i>Stat3</i>	signal transducer and activator of transcription 3	1460700 at	2.84	0.00
<i>Adams9</i>	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9	1437785 at	2.83	0.01
<i>Klf10</i>	Kruppel-like factor 10	1416029 at	2.83	0.02
<i>BC006779</i>	cDNA sequence BC006779	1435454 a at	2.82	0.00
<i>Clic4</i>	chloride intracellular channel 4 (mitochondrial)	1423393 at	2.82	0.01
<i>1190002H23Rik</i>	RIKEN cDNA 1190002H23 gene	1438511 a at	2.82	0.00
<i>Ddx21</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	1448271 a at	2.81	0.00
<i>Rab20</i>	RAB20, member RAS oncogene family	1438097 at	2.81	0.00
<i>Uap1 /// LOC640502</i>	UDP-N-acetylglucosamine pyrophosphorylase 1 /// similar to UDP-N-acetylhexosamine pyrophosphorylase	1416743_at	2.81	0.00
<i>Eif4ebp1</i>	eukaryotic translation initiation factor 4E binding protein 1	1434976 x at	2.81	0.00
<i>Ucp2</i>	uncoupling protein 2 (mitochondrial, proton carrier)	1448188 at	2.80	0.00
<i>AA536743</i>	expressed sequence AA536743	1427243 at	2.80	0.00
---	Adult male cecum cDNA, RIKEN full-length enriched library, clone:9130204C03 product:unclassifiable, full insert sequence	1435265_at	2.80	0.00
<i>Sema7a</i>	sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A	1459903 at	2.80	0.00
<i>Susd2</i>	sushi domain containing 2	1426511 at	2.79	0.00
<i>Gpr146</i>	G protein-coupled receptor 146	1451060 at	2.79	0.00
<i>C330006D17Rik</i>	RIKEN cDNA C330006D17 gene	1430752 at	2.79	0.00
<i>Arid5a</i>	AT rich interactive domain 5A (Mrf1 like)	1451340 at	2.79	0.00
<i>Eif2ak2</i>	eukaryotic translation initiation factor 2-alpha kinase 2	1422006 at	2.79	0.00
<i>Tacc2</i>	transforming, acidic coiled-coil containing protein 2	1425745 a at	2.78	0.00
<i>Uap1 /// LOC640502</i>	UDP-N-acetylglucosamine pyrophosphorylase 1 /// similar to UDP-N-acetylhexosamine pyrophosphorylase	1437490_x_at	2.78	0.00
<i>Bzrp</i>	benzodiazepine receptor, peripheral	1438948 x at	2.78	0.00
<i>Mar-05</i>	membrane-associated ring finger (C3HC4) 5	1452925 at	2.78	0.00
<i>AA536743</i>	expressed sequence AA536743	1452359 at	2.77	0.00
<i>Ripk3</i>	receptor-interacting serine-threonine kinase 3	1448449 at	2.77	0.00
<i>Slc44a2</i>	solute carrier family 44, member 2	1438559 x at	2.77	0.00
<i>Acvr1b</i>	activin A receptor, type 1B	1433725 at	2.77	0.00
<i>Litaf</i>	LPS-induced TN factor	1416304 at	2.76	0.00
<i>Pbef1</i>	pre-B-cell colony-enhancing factor 1	1417190 at	2.76	0.00
<i>Msn</i>	moesin	1450379 at	2.76	0.01
<i>Trim34</i>	Tripartite motif protein 34	1443858 at	2.76	0.00
<i>Pik3ap1</i>	phosphoinositide-3-kinase adaptor protein 1	1429831 at	2.76	0.01
<i>1110038F14Rik</i>	RIKEN cDNA 1110038F14 gene	1416885 at	2.76	0.00
---	---	1431166 at	2.75	0.00
<i>Zwint</i>	ZW10 interactor	1429786 a at	2.75	0.00
<i>Errf1</i>	ERBB receptor feedback inhibitor 1	1416129 at	2.75	0.00
<i>BC023818</i>	cDNA sequence BC023818	1439855 at	2.75	0.00
<i>1110018G07Rik</i>	RIKEN cDNA 1110018G07 gene	1454721 at	2.75	0.00
<i>Zc3h12a</i>	zinc finger CCCH type containing 12A	1427348 at	2.73	0.00
<i>Rac2</i>	RAS-related C3 botulinum substrate 2	1417620 at	2.73	0.00
<i>Pou3f1</i>	POU domain, class 3, transcription factor 1	1460038 at	2.73	0.00
<i>Ucp2</i>	uncoupling protein 2 (mitochondrial, proton carrier)	1459741 x at	2.73	0.00
<i>1500012F01Rik</i>	RIKEN cDNA 1500012F01 gene	1455010 at	2.72	0.00
<i>Slc44a2</i>	solute carrier family 44, member 2	1428065 at	2.72	0.00
<i>Bst1</i>	bone marrow stromal cell antigen 1	1449454 at	2.72	0.01
<i>Sdc4</i>	syndecan 4	1417654 at	2.71	0.00
<i>Apold1</i>	apolipoprotein L domain containing 1	1441228 at	2.70	0.02
<i>Dnajb4</i>	DnaJ (Hsp40) homolog, subfamily B, member 4	1431734 a at	2.70	0.00
<i>Cd47</i>	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	1449507 a at	2.70	0.00
<i>Gadd45b</i>	growth arrest and DNA-damage-inducible 45 beta	1449773 s at	2.70	0.00
<i>Pvr</i>	poliovirus receptor	1451160 s at	2.70	0.00
<i>Tnfrsf1a</i>	tumor necrosis factor receptor superfamily, member 1a	1417291 at	2.69	0.00
<i>BC055107</i>	cDNA sequence BC055107	1434202 a at	2.69	0.01
<i>Trp53inp1</i>	transformation related protein 53 inducible nuclear protein 1	1416926 at	2.69	0.02
<i>Rhoc</i>	ras homolog gene family, member C	1448605 at	2.69	0.00
<i>Tcf23</i>	transcription factor 23	1421078 at	2.68	0.00
---	Transcribed locus	1443852 at	2.68	0.00
<i>Tbk1</i>	TANK-binding kinase 1	1460315 s at	2.67	0.00
<i>Jak2</i>	Janus kinase 2	1421065 at	2.67	0.00
<i>Acot9 /// Acot10</i>	acyl-CoA thioesterase 9 /// acyl-CoA thioesterase 10	1449968 s at	2.67	0.00
<i>Il2rg</i>	interleukin 2 receptor, gamma chain	1416296 at	2.67	0.00
<i>Hist1h1c</i>	histone H1, H1c	1416101 a at	2.67	0.00
<i>Eif4ebp1</i>	eukaryotic translation initiation factor 4E binding protein 1	1417562 at	2.66	0.00
<i>Tfdp2</i>	transcription factor Dp 2	1443962 at	2.66	0.00
<i>Trim25</i>	tripartite motif protein 25	1425974 a at	2.66	0.00

<i>Slc44a2</i>	solute carrier family 44, member 2	1438860 a at	2.66	0.00
<i>Nfkbiz</i>	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	1457404 at	2.65	0.00
<i>111006017Rik</i>	RIKEN cDNA 111006017 gene	1437451 at	2.65	0.00
<i>4930573O21Rik</i>	RIKEN cDNA 4930573O21 gene	1432590 at	2.65	0.02
<i>Fosl2 // LOC634417</i>	fos-like antigen 2 // similar to fos-like antigen 2	1437247 at	2.64	0.01
<i>Ifitm2</i>	interferon induced transmembrane protein 2	1417460 at	2.64	0.00
<i>Ptpn2</i>	protein tyrosine phosphatase, non-receptor type 2	1417140 a at	2.64	0.00
<i>Zfp52</i>	zinc finger protein 52	1426471 at	2.64	0.00
<i>8430408G22Rik</i>	RIKEN cDNA 8430408G22 gene	1433837 at	2.64	0.00
<i>2810026P18Rik</i>	RIKEN cDNA 2810026P18 gene	1428529 at	2.64	0.00
<i>Dph5</i>	DPH5 homolog (S. cerevisiae)	1452839 at	2.63	0.00
<i>Ncf4</i>	neutrophil cytosolic factor 4	1418465 at	2.63	0.00
<i>Lpxn</i>	leupaxin	1424965 at	2.63	0.00
<i>Fads3</i>	fatty acid desaturase 3	1449219 at	2.63	0.00
<i>Kcne4</i>	potassium voltage-gated channel, Isk-related subfamily, gene 4	1418156 at	2.63	0.00
<i>Scotin</i>	scotin gene	1437503 a at	2.63	0.00
<i>Nudt6</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 6	1456945 at	2.63	0.00
<i>Reg3a</i>	regenerating islet-derived 3 alpha	1449495 at	2.63	0.00
<i>Ptp4a1 // LOC269859 // LOC433406 // LOC546482 // LOC627166 // LOC627200 // LOC667723 // LOC669215 // LOC673579</i>	protein tyrosine phosphatase 4a1 // similar to protein tyrosine phosphatase 4a1 // protein tyrosine phosphatase 4a1-like // similar to protein tyrosine phosphatase 4a1 // protein tyrosine phosphatase 4a1 pseudogene // protein tyrosine phosphatase 4a1-like // similar to protein tyrosine phosphatase 4a1 // similar to protein tyrosine phosphatase 4a1 // similar to protein tyrosine phosphatase 4a1	1449322_at	2.62	0.00
<i>Samd9l</i>	sterile alpha motif domain containing 9-like	1460603 at	2.62	0.00
<i>Pla2g7</i>	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	1430700 a at	2.62	0.00
<i>Phyhd1 // Lrrc8a</i>	phytanoyl-CoA dioxygenase domain containing 1 // leucine rich repeat containing 8A	1428394 at	2.61	0.00
<i>Btg2</i>	B-cell translocation gene 2, anti-proliferative	1448272 at	2.61	0.02
<i>5330406M23Rik</i>	RIKEN cDNA 5330406M23 gene	1429900 at	2.60	0.00
<i>0610011104Rik</i>	RIKEN cDNA 0610011104 gene	1423909 at	2.60	0.01
<i>Rlf</i>	rearranged L-myc fusion sequence	1427171 at	2.60	0.00
<i>Car13</i>	carbonic anhydrase 13	1421307 at	2.60	0.00
<i>1110038B12Rik</i>	RIKEN cDNA 1110038B12 gene	1441081 a at	2.60	0.00
<i>Zfp445</i>	zinc finger protein 445	1427255 s at	2.60	0.00
<i>Tgoln1 // Tgoln2</i>	trans-golgi network protein // trans-golgi network protein 2	1423307 s at	2.60	0.00
<i>Mthfd2</i>	methylenetetrahydrofolate dehydrogenase (NAD+ dependent), methylenetetrahydrofolate cyclohydrolase	1419254_at	2.59	0.00
<i>Lilrb3 // LOC619608</i>	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3 // hypothetical LOC619608	1424302_at	2.59	0.00
<i>Vcam1</i>	vascular cell adhesion molecule 1	1448162 at	2.59	0.00
<i>Trim25</i>	tripartite motif protein 25	1419879 s at	2.59	0.00
<i>Gpr146</i>	G protein-coupled receptor 146	1423632 at	2.59	0.00
<i>Masp1</i>	mannan-binding lectin serine peptidase 1	1455346 at	2.58	0.00
<i>AU021128</i>	expressed sequence AU021128	1457575 at	2.58	0.02
<i>T2bp</i>	Traf2 binding protein	1426501 a at	2.57	0.00
<i>Zwint</i>	ZW10 interactor	1427539 a at	2.57	0.00
<i>Rbm18</i>	RNA binding motif protein 18	1420607 at	2.57	0.01
<i>Tbl1xr1</i>	transducin (beta)-like 1X-linked receptor 1	1450739 at	2.57	0.00
<i>Asns</i>	asparagine synthetase	1451095 at	2.56	0.00
<i>Abi2</i>	Abl-interactor 2	1444783 at	2.56	0.02
<i>Arg1</i>	arginase 1, liver	1419549 at	2.56	0.01
<i>Trdn</i>	triadin	1426143 at	2.56	0.00
<i>Tor3a</i>	torsin family 3, member A	1421998 at	2.56	0.00
<i>Csf1</i>	colony stimulating factor 1 (macrophage)	1448914 a at	2.56	0.00
<i>Nek6 // LOC674247</i>	NIMA (never in mitosis gene a)-related expressed kinase 6 // similar to NIMA (never in mitosis gene a)-related expressed kinase 6	1423596_at	2.56	0.00
<i>Lgals8</i>	lectin, galactose binding, soluble 8	1422661 at	2.56	0.00
<i>5330421F07Rik</i>	RIKEN cDNA 5330421F07 gene	1443230 at	2.55	0.03
<i>Spltc2</i>	serine palmitoyltransferase, long chain base subunit 2	1460243 at	2.55	0.00
<i>Acot9</i>	acyl-CoA thioesterase 9	1418073 at	2.54	0.00
<i>Tmem71</i>	transmembrane protein 71	1436212 at	2.54	0.00
<i>BC023892</i>	cDNA sequence BC023892	1437868 at	2.54	0.00
<i>Adam9</i>	a disintegrin and metallopeptidase domain 9 (meltrin gamma)	1416094 at	2.53	0.00
<i>2900092N22Rik</i>	RIKEN cDNA 2900092N22 gene	1454472 at	2.53	0.07
<i>Tbc1d15</i>	TBC1 domain family, member 15	1416061 at	2.53	0.00
<i>1110061O04Rik</i>	RIKEN cDNA 1110061O04 gene	1425066 a at	2.53	0.00
<i>Bzrp</i>	benzodiazepine receptor, peripheral	1416695 at	2.53	0.00
<i>Fbxo32</i>	F-box only protein 32	1448747 at	2.53	0.00
<i>Zwint</i>	ZW10 interactor	1429787 x at	2.53	0.00
<i>Mid1ip1</i>	Mid1 interacting protein 1 (gastrulation specific G12-like (zebrafish))	1416840 at	2.52	0.00
<i>Rrbp1</i>	ribosome binding protein 1	1449221 a at	2.52	0.00
<i>Daxx</i>	Fas death domain-associated protein	1419026 at	2.52	0.00
<i>Scotin</i>	scotin gene	1423986 a at	2.52	0.00
<i>Edem1</i>	ER degradation enhancer, mannosidase alpha-like 1	1424065 at	2.52	0.00
<i>Gda</i>	guanine deaminase	1435748 at	2.52	0.00
<i>Mx1</i>	myxovirus (influenza virus) resistance 1	1451905 a at	2.52	0.00
<i>Cblb</i>	Casitas B-lineage lymphoma b	1437304 at	2.51	0.00
<i>Olr1</i>	oxidized low density lipoprotein (lectin-like) receptor 1	1419534 at	2.51	0.00
<i>Fbxo32</i>	F-box only protein 32	1417522 at	2.51	0.00
<i>Rhoc</i>	ras homolog gene family, member C	1435394 s at	2.51	0.00
<i>Adar</i>	Adenosine deaminase, RNA-specific	1439276 at	2.51	0.00
<i>Art5</i>	ADP-ribosyltransferase 5	1427759 a at	2.51	0.00
<i>Irak1bp1</i>	interleukin-1 receptor-associated kinase 1 binding protein 1	1431771 at	2.50	0.00
<i>BB114266</i>	Expressed sequence BB114266	1437694 at	2.50	0.00
<i>AI481105</i>	expressed sequence AI481105	1427091 at	2.49	0.00
<i>Serinc3</i>	serine incorporator 3	1456080 a at	2.49	0.00
<i>Slc2a1</i>	solute carrier family 2 (facilitated glucose transporter), member 1	1426599 a at	2.49	0.00
<i>Rfx5</i>	regulatory factor X, 5 (influences HLA class II expression)	1423103 at	2.49	0.00
<i>Spon1</i>	spondin 1, (I-spondin) extracellular matrix protein	1451342 at	2.49	0.00
<i>Stat3</i>	signal transducer and activator of transcription 3	1426587 a at	2.49	0.00
<i>Slnf9</i>	schlafen 9	1436472 at	2.49	0.00
<i>C330012H03Rik</i>	RIKEN cDNA C330012H03 gene	1437103 at	2.48	0.00
<i>Pml</i>	promyelocytic leukemia	1448757 at	2.48	0.00
<i>Saa2</i>	serum amyloid A 2	1449326 x at	2.48	0.00
<i>Hist1h1c</i>	histone 1, H1c	1436994 a at	2.48	0.00
<i>Mtus1</i>	mitochondrial tumor suppressor 1	1436501 at	2.48	0.00
<i>Lv6e</i>	lymphocyte antigen 6 complex, locus E	1453304 s at	2.48	0.00

<i>Sema3f</i>	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	1420508_at	2.48	0.00
<i>Tnfaip3</i>	tumor necrosis factor, alpha-induced protein 3	1450829_at	2.47	0.00
<i>Pnpla2</i>	patatin-like phospholipase domain containing 2	1428143_a_at	2.47	0.00
<i>Lv6e</i>	lymphocyte antigen 6 complex, locus E	1439773_at	2.47	0.00
<i>Rai14</i>	retinoic acid induced 14	1441030_at	2.47	0.01
<i>Hsd11b1</i>	hydroxysteroid 11-beta dehydrogenase 1	1449038_at	2.46	0.00
<i>C730024G19Rik</i>	RIKEN cDNA C730024G19 gene	1454766_at	2.46	0.00
<i>P2rv2</i>	purinergic receptor P2Y, G-protein coupled 2	1450318_a_at	2.46	0.00
<i>Vcam1</i>	vascular cell adhesion molecule 1	1451314_a_at	2.46	0.00
<i>Apod</i>	Apolipoprotein D	1444749_at	2.46	0.00
<i>C2</i>	complement component 2 (within H-2S)	1416051_at	2.46	0.00
<i>Gpr146</i>	G protein-coupled receptor 146	1454685_at	2.46	0.00
<i>1810009K13Rik</i>	RIKEN cDNA 1810009K13 gene	1423358_at	2.45	0.00
<i>Fmn12</i>	Formin-like 2	1440111_at	2.44	0.00
<i>B4gal5</i>	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5	1433617_s_at	2.44	0.00
<i>Ddit4</i>	DNA-damage-inducible transcript 4	1428306_at	2.44	0.00
<i>Rtn4r12</i>	reticulon 4 receptor-like 2	1439573_at	2.44	0.00
<i>2200002D01Rik</i>	RIKEN cDNA 2200002D01 gene	1428671_at	2.44	0.00
<i>Tbgl</i>	transforming growth factor beta regulated gene 1	1452648_at	2.44	0.00
<i>Tnfp1</i>	TNFAIP3 interacting protein 1	1427689_a_at	2.44	0.00
<i>Gclm</i>	glutamate-cysteine ligase, modifier subunit	1418627_at	2.43	0.00
<i>Il13ra1</i>	interleukin 13 receptor, alpha 1	1427164_at	2.43	0.01
<i>Txnip</i>	thioredoxin interacting protein	1415996_at	2.43	0.01
<i>Comt</i>	catechol-O-methyltransferase	1418701_at	2.43	0.00
<i>H2-M3</i>	histocompatibility 2, M region locus 3	1421358_at	2.43	0.00
<i>Cyb561</i>	Cytochrome b-561	1458496_at	2.43	0.00
<i>Csf1</i>	colony stimulating factor 1 (macrophage)	1460220_a_at	2.42	0.00
<i>Sema5a</i>	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A	1422167_at	2.42	0.00
<i>Errf1</i>	ERBB receptor feedback inhibitor 1	1419816_s_at	2.42	0.01
<i>Rnf31</i>	ring finger protein 31	1455051_at	2.42	0.00
<i>Grhl1</i>	grainyhead-like 1 (Drosophila)	1424030_at	2.42	0.00
<i>Gosr1</i>	golgi SNAP receptor complex member 1	1448256_at	2.42	0.01
<i>Procr</i>	protein C receptor, endothelial	1420664_s_at	2.42	0.00
<i>Slc39a6</i>	solute carrier family 39 (metal ion transporter), member 6	1424674_at	2.42	0.00
---	---	1439537_at	2.42	0.00
<i>Rtn4</i>	reticulon 4	1437224_at	2.42	0.00
<i>AW112010</i>	expressed sequence AW112010	1434372_at	2.42	0.00
<i>Apod</i>	apolipoprotein D	1416371_at	2.41	0.00
---	Transcribed locus	1442338_at	2.41	0.00
<i>Noc4l</i>	nucleolar complex associated 4 homolog (S. cerevisiae)	1443794_x_at	2.41	0.00
<i>Adck4</i>	aarF domain containing kinase 4	1448490_at	2.41	0.00
<i>Gsdmcd1</i>	gasdermin domain containing 1	1428767_at	2.41	0.00
<i>1810009M01Rik</i>	RIKEN cDNA 1810009M01 gene	1418004_a_at	2.40	0.00
<i>Egfr</i>	epidermal growth factor receptor	1424932_at	2.40	0.00
<i>Dbn1</i>	drebrin 1	1426024_a_at	2.40	0.00
<i>Bcl2l1</i>	Bcl2-like 1	1420888_at	2.39	0.00
<i>2310008H04Rik</i>	RIKEN cDNA 2310008H04 gene	1451171_at	2.39	0.00
<i>Sfi1</i> /// LOC673404 /// LOC673420 /// LOC673566	Sfi1 homolog, spindle assembly associated (yeast) /// similar to spindle assembly associated Sfi1 homolog isoform b /// similar to spindle assembly associated Sfi1 homolog isoform b /// similar to Sfi1 homolog, spindle assembly associated (yeast)	1426787_at	2.39	0.00
<i>Pde4b</i>	Phosphodiesterase 4B, cAMP specific	1445449_at	2.39	0.02
<i>Gm489</i>	gene model 489, (NCBI)	1457707_at	2.39	0.00
<i>Bid</i>	BH3 interacting domain death agonist	1417045_at	2.39	0.00
<i>Tor1aip1</i>	torsin A interacting protein 1	1426084_a_at	2.38	0.00
<i>Dnajb4</i>	DnaJ (Hsp40) homolog, subfamily B, member 4	1443611_at	2.38	0.00
<i>H3f3b</i>	H3 histone, family 3B	1430357_at	2.38	0.00
<i>BC032204</i>	cDNA sequence BC032204	1456014_s_at	2.37	0.00
<i>Thbs4</i>	thrombospondin 4	1449388_at	2.37	0.02
<i>Clec2d</i>	C-type lectin domain family 2, member d	1419477_at	2.36	0.00
<i>Gprk5</i>	G protein-coupled receptor kinase 5	1449514_at	2.36	0.00
<i>C2</i>	complement component 2 (within H-2S)	1441912_x_at	2.36	0.00
<i>2810416G20Rik</i>	RIKEN cDNA 2810416G20 gene	1431220_at	2.36	0.00
<i>Rras2</i>	related RAS viral (r-ras) oncogene homolog 2	1417398_at	2.36	0.03
<i>Pnp</i>	purine-nucleoside phosphorylase	1416530_a_at	2.36	0.00
<i>Ccr1</i>	chemokine (C-C motif) receptor 1	1419609_at	2.35	0.00
<i>Parp3</i>	poly (ADP-ribose) polymerase family, member 3	1451969_s_at	2.35	0.00
<i>Birc2</i>	baculoviral IAP repeat-containing 2	1418854_at	2.35	0.00
<i>4933426M11Rik</i>	RIKEN cDNA 4933426M11 gene	1456808_at	2.34	0.00
<i>Steap1</i>	six transmembrane epithelial antigen of the prostate 1	1451532_s_at	2.34	0.00
<i>Khk</i>	ketoheokinase	1449062_at	2.34	0.00
<i>Fcgr2b</i>	Fc receptor, IgG, low affinity IIb	1455332_x_at	2.34	0.00
<i>Zfp445</i>	zinc finger protein 445	1454774_at	2.34	0.00
<i>LOC671237</i>	similar to Putative RNA-binding protein 3 (RNA-binding motif protein 3)	1422660_at	2.34	0.00
<i>LincR</i>	lung-inducible neuralized-related C3HC4 RING domain protein	1444003_at	2.33	0.01
<i>Slc2a1</i>	solute carrier family 2 (facilitated glucose transporter), member 1	1434773_a_at	2.33	0.00
<i>Serpina1a</i>	serine (or cysteine) peptidase inhibitor, clade B, member 1a	1416318_at	2.33	0.00
<i>8430408G22Rik</i>	RIKEN cDNA 8430408G22 gene	1433836_a_at	2.33	0.00
<i>Mar-05</i>	membrane-associated ring finger (C3HC4) 5	1428843_at	2.33	0.00
<i>Gda</i>	guanine deaminase	1422868_s_at	2.32	0.00
<i>Il17ra</i>	interleukin 17 receptor A	1420904_at	2.32	0.00
<i>Lgals8</i>	lectin, galactose binding, soluble 8	1422662_at	2.32	0.00
<i>Rrbp1</i>	ribosome binding protein 1	1426123_a_at	2.32	0.00
<i>Gna13</i>	guanine nucleotide binding protein, alpha 13	1460317_s_at	2.32	0.00
<i>Irak2</i>	interleukin-1 receptor-associated kinase 2	1436507_at	2.31	0.00
<i>6330412F12Rik</i>	RIKEN cDNA 6330412F12 gene	1420535_a_at	2.31	0.00
<i>Il1r2</i>	interleukin 1 receptor, type II	1419532_at	2.31	0.00
<i>Rtn4</i>	reticulon 4	1421116_a_at	2.31	0.01
<i>2610301K12Rik</i>	RIKEN cDNA 2610301K12 gene	1429337_at	2.31	0.01
<i>Eif4a1</i>	eukaryotic translation initiation factor 4A1	1430980_a_at	2.31	0.00
<i>Gins4</i>	GINS complex subunit 4 (Sld5 homolog)	1452598_at	2.31	0.00
<i>Art5</i>	ADP-ribosyltransferase 5	1451553_at	2.31	0.00
<i>Rab5c</i>	RAB5C, member RAS oncogene family	1424684_at	2.30	0.00
<i>BC032204</i>	cDNA sequence BC032204	1433963_a_at	2.30	0.00
<i>Gdap10</i>	ganglioside-induced differentiation-associated-protein 10	1420342_at	2.30	0.00
<i>5230400M03Rik</i>	RIKEN cDNA 5230400M03 gene	1437493_at	2.30	0.00

<i>Tnfrsf10</i>	tumor necrosis factor (ligand) superfamily, member 10	1420412 at	2.29	0.00
<i>Ccl6</i>	chemokine (C-C motif) ligand 6	1420249 s at	2.29	0.17
<i>Tmem119</i>	transmembrane protein 119	1451344 at	2.28	0.00
<i>Apobec1</i>	apolipoprotein B editing complex 1	1451755 a at	2.28	0.00
<i>Uck2</i>	uridine-cytidine kinase 2	1426909 at	2.28	0.00
<i>Noc41</i>	Nucleolar complex associated 4 homolog (S. cerevisiae)	1438095 x at	2.28	0.00
<i>BC055107</i>	cDNA sequence BC055107	1435918 at	2.28	0.00
<i>Cyp4b1</i>	cytochrome P450, family 4, subfamily b, polypeptide 1	1416194 at	2.28	0.00
<i>Rab4b</i>	RAB4B, member RAS oncogene family	1451643 a at	2.27	0.00
<i>Sell</i>	selectin, lymphocyte	1419481 at	2.27	0.00
<i>Pnp</i> /// <i>LOC545044</i> /// <i>LOC667034</i>	purine-nucleoside phosphorylase /// similar to purine-nucleoside phosphorylase /// similar to purine-nucleoside phosphorylase	1453299 a at	2.27	0.00
<i>Parp3</i>	poly (ADP-ribose) polymerase family, member 3	1426210 x at	2.27	0.00
<i>Cish</i>	cytokine inducible SH2-containing protein	1448724 at	2.27	0.00
<i>Pilra</i>	paired immunoglobulin-like type 2 receptor alpha	1427327 at	2.27	0.00
<i>2410024N18Rik</i>	RIKEN cDNA 2410024N18 gene	1452914 at	2.27	0.00
<i>Hif1a</i>	hypoxia inducible factor 1, alpha subunit	1427418 a at	2.27	0.02
<i>Cul4b</i>	cullin 4B	1417453 at	2.27	0.00
<i>3110043J09Rik</i>	RIKEN cDNA 3110043J09 gene	1451320 at	2.26	0.00
<i>Cd24a</i>	CD24a antigen	1437502 x at	2.26	0.00
<i>Slf3</i> /// <i>Slf4</i>	schlafen 3 /// schlafen 4	1450322 s at	2.26	0.00
<i>Flot1</i>	flotillin 1	1448559 at	2.26	0.00
<i>Smad1</i>	MAD homolog 1 (Drosophila)	1459843 s at	2.26	0.01
<i>Gadd45b</i>	growth arrest and DNA-damage-inducible 45 beta	1450971 at	2.25	0.00
<i>Igfb4bp</i>	integrin beta 4 binding protein	1427578 a at	2.25	0.00
<i>Zbtb16</i>	Zinc finger and BTB domain containing 16	1456986 at	2.25	0.00
<i>Dph5</i>	DPH5 homolog (S. cerevisiae)	1439049 at	2.25	0.00
<i>Mid1</i>	midline 1	1438239 at	2.24	0.00
<i>Zfp445</i>	zinc finger protein 445	1427254 at	2.24	0.10
<i>Cd44</i>	CD44 antigen	1423760 at	2.24	0.00
<i>Pnpo</i>	pyridoxine 5'-phosphate oxidase	1415793 at	2.24	0.00
<i>Arid5b</i>	AT rich interactive domain 5B (Mrf1 like)	1420973 at	2.24	0.01
---	---	1442025 a at	2.24	0.01
<i>Cd44</i>	CD44 antigen	1434376 at	2.24	0.00
<i>Pak6</i>	p21 (CDKN1A)-activated kinase 6	1455200 at	2.24	0.02
<i>1500032H18Rik</i>	RIKEN cDNA 1500032H18 gene	1426133 a at	2.24	0.00
<i>Cyp2b10</i>	cytochrome P450, family 2, subfamily b, polypeptide 10	1451787 at	2.24	0.05
<i>Trim34</i> /// <i>LOC434218</i>	tripartite motif protein 34 /// similar to Tripartite motif protein 34	1424857 a at	2.23	0.00
<i>Nubp1</i>	nucleotide binding protein 1	1418905 at	2.23	0.00
---	---	1460268 at	2.23	0.00
<i>Hen1</i>	hyperpolarization-activated, cyclic nucleotide-gated K+ 1	1450193 at	2.23	0.02
<i>Slc7a2</i>	solute carrier family 7 (cationic amino acid transporter, v+ svstem), member 2	1436555 at	2.23	0.00
<i>1110018G07Rik</i>	RIKEN cDNA 1110018G07 gene	1433767 at	2.23	0.00
<i>Smad1</i>	MAD homolog 1 (Drosophila)	1448208 at	2.22	0.00
<i>Ptpn2</i>	protein tyrosine phosphatase, non-receptor type 2	1438562 a at	2.22	0.01
<i>Pml</i>	promyelocytic leukemia	1456103 at	2.22	0.00
<i>Caenb2</i>	Calcium channel, voltage-dependent, beta 2 subunit	1444693 at	2.22	0.01
<i>Gmfg</i>	glia maturation factor, gamma	1419194 s at	2.22	0.00
<i>Bcl2l1</i>	Bcl2-like 1	1420887 a at	2.21	0.00
<i>H2-K1</i>	Histocompatibility 2, K1, K region	1450170 x at	2.21	0.00
<i>Tbk1</i>	TANK-binding kinase 1	1445571 at	2.21	0.00
<i>Lrrc59</i>	leucine rich repeat containing 59	1416235 at	2.21	0.00
---	Transcribed locus	1439965 at	2.20	0.00
<i>Rnase1</i>	ribonuclease, RNase A family, 1 (pancreatic)	1416523 at	2.20	0.00
<i>Psmf1</i>	proteasome (prosome, macropain) inhibitor subunit 1	1424370 s at	2.20	0.00
<i>Ctss</i>	cathepsin S	1448591 at	2.20	0.00
<i>6330412F12Rik</i>	RIKEN cDNA 6330412F12 gene	1452776 a at	2.20	0.00
---	---	1442880 at	2.20	0.00
<i>Lcp2</i>	lymphocyte cytosolic protein 2	1418641 at	2.19	0.00
<i>Mmp8</i>	matrix metalloproteinase 8	1449366 at	2.19	0.00
<i>Snord22</i>	small nucleolar RNA, C/D box 22	1454703 x at	2.19	0.00
<i>Cstb</i>	cystatin B	1422506 a at	2.19	0.00
<i>Tpm3</i>	tropomyosin 3, gamma	1449996 a at	2.19	0.02
<i>Serpinb9</i>	serine (or cysteine) peptidase inhibitor, clade B, member 9	1439790 at	2.19	0.00
<i>5830472M02Rik</i>	RIKEN cDNA 5830472M02 gene	1429684 at	2.19	0.01
<i>Clic4</i>	chloride intracellular channel 4 (mitochondrial)	1438606 a at	2.19	0.00
<i>S3-12</i>	plasma membrane associated protein, S3-12	1418595 at	2.19	0.00
<i>Chi3l1</i>	chitinase 3-like 1	1451537 at	2.19	0.00
<i>Syk</i>	spleen tyrosine kinase	1425797 a at	2.19	0.00
<i>Fah</i>	fumarylacetoacetate hydrolase	1417220 at	2.19	0.00
<i>5830443L24Rik</i> /// <i>LOC626578</i>	RIKEN cDNA 5830443L24 gene /// similar to macrophage activation 2 like	1418776 at	2.19	0.01
<i>Atp8b1</i>	ATPase, class I, type 8B, member 1	1455396 at	2.18	0.00
<i>Cstb</i>	cystatin B	1422507 at	2.18	0.00
<i>Tnfrsf6</i>	tumor necrosis factor alpha induced protein 6	1418424 at	2.18	0.00
<i>Pim1</i>	proviral integration site 1	1423006 at	2.18	0.00
<i>Scara5</i>	scavenger receptor class A, member 5 (putative)	1451204 at	2.18	0.00
<i>Fads3</i>	fatty acid desaturase 3	1435910 at	2.18	0.00
<i>Arid5b</i>	AT rich interactive domain 5B (Mrf1 like)	1434283 at	2.17	0.00
<i>Art1</i>	ADP-ribosyltransferase 1	1422375 a at	2.17	0.00
<i>Fxyd5</i>	FXRD domain-containing ion transport regulator 5	1418296 at	2.17	0.00
<i>2310016C08Rik</i>	RIKEN cDNA 2310016C08 gene	1421031 a at	2.17	0.01
<i>Tgoln1</i>	trans-golgi network protein	1423308 at	2.17	0.00
<i>Tpmt</i>	thiopurine methyltransferase	1430889 a at	2.16	0.00
<i>Anxa4</i>	annexin A4	1424176 a at	2.16	0.00
<i>Ptpre</i>	protein tyrosine phosphatase, receptor type, E	1418539 a at	2.16	0.00
<i>0610033I05Rik</i>	RIKEN cDNA 0610033I05 gene	1451321 a at	2.16	0.00
<i>Map1lc3b</i>	microtubule-associated protein 1 light chain 3 beta	1415930 a at	2.16	0.00
<i>Msr1</i>	macrophage scavenger receptor 1	1425434 a at	2.16	0.00
<i>Plscr2</i>	phospholipid scramblase 2	1448961 at	2.16	0.01
<i>2900072G11Rik</i>	RIKEN cDNA 2900072G11 gene	1429702 at	2.16	0.00
<i>Serpin1</i>	serine (or cysteine) peptidase inhibitor, clade G, member 1	1416625 at	2.15	0.00
<i>Nfkb2</i>	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	1425902 a at	2.15	0.00
<i>Slc41a2</i>	solute carrier family 41, member 2	1452445 at	2.14	0.00
<i>Pma5</i>	proteasome (prosome, macropain) subunit, alpha type 5	1424681 a at	2.14	0.00
<i>Oas2</i>	2'-5' oligoadenylate synthetase 2	1425065 at	2.13	0.00
<i>Mtus1</i>	mitochondrial tumor suppressor 1	1454824 s at	2.13	0.00
<i>Hspb1</i>	heat shock protein 1	1425964 x at	2.13	0.00

<i>Nola2</i>	nucleolar protein family A, member 2	1416605 at	2.13	0.00
---	---	1443673 x at	2.13	0.00
<i>Oprs1</i>	Opioid receptor, sigma 1	1435579 at	2.13	0.00
<i>Ankrd1</i>	ankyrin repeat domain 1 (cardiac muscle)	1420991 at	2.13	0.00
<i>LOC669660</i>	similar to PDZ and LIM domain protein 5 (Enigma homolog) (Enigma-like PDZ and LIM domains protein)	1422861_s at	2.13	0.02
<i>Acs15</i>	acyl-CoA synthetase long-chain family member 5	1428082 at	2.13	0.00
<i>Sdf2l1</i>	stromal cell-derived factor 2-like 1	1418206 at	2.12	0.00
<i>Tpm3</i>	tropomyosin 3, gamma	1427567 a at	2.12	0.00
<i>Glrx</i>	glutaredoxin	1416592 at	2.12	0.04
<i>1300018105Rik</i>	RIKEN cDNA 1300018105 gene	1451082 at	2.12	0.00
<i>Lyb6</i>	lymphocyte antigen 6 complex, locus C	1421571 a at	2.12	0.00
<i>Nek7</i>	NIMA (never in mitosis gene a)-related expressed kinase 7	1444753 at	2.12	0.00
<i>Gfpt2</i>	glutamine fructose-6-phosphate transaminase 2	1418753 at	2.12	0.00
<i>Slc7a6</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	1460541 at	2.11	0.01
<i>Tbc1d15</i>	TBC1 domain family, member 15	1416060 at	2.11	0.02
<i>Sra1</i>	steroid receptor RNA activator 1	1437423 a at	2.11	0.00
<i>2210038L17Rik</i>	RIKEN cDNA 2210038L17 gene	1434585 at	2.11	0.00
<i>Selenbp1</i>	selenium binding protein 1	1417580 s at	2.11	0.00
<i>A1480535</i>	expressed sequence A1480535	1455320 at	2.11	0.02
<i>Nek7</i>	NIMA (never in mitosis gene a)-related expressed kinase 7	1442198 at	2.11	0.02
<i>Aldh3a1</i>	aldehyde dehydrogenase family 3, subfamily A1	1418752 at	2.11	0.00
<i>1110014F24Rik</i>	RIKEN cDNA 1110014F24 gene	1428781 at	2.11	0.02
<i>Gas5</i>	growth arrest specific 5	1419291 x at	2.10	0.00
<i>Arl4a</i>	ADP-ribosylation factor-like 4A	1431429 a at	2.10	0.00
<i>Hfe</i>	hemochromatosis	1422645 at	2.10	0.00
<i>Pik3r5</i>	phosphoinositide-3-kinase, regulatory subunit 5, p101	1434980 at	2.09	0.00
<i>Serinc3</i>	serine incorporator 3	1417816 s at	2.09	0.00
<i>2810416G20Rik</i>	RIKEN cDNA 2810416G20 gene	1435171 at	2.09	0.00
<i>Mad212</i>	MAD2 mitotic arrest deficient-like 2 (yeast)	1460348 at	2.09	0.00
<i>Mmp14</i>	matrix metalloproteinase 14 (membrane-inserted)	1448383 at	2.09	0.00
<i>Tnfaip2</i>	tumor necrosis factor, alpha-induced protein 2	1438855 x at	2.09	0.02
<i>Gas5</i>	growth arrest specific 5	1455904 at	2.09	0.02
<i>LOC56628</i>	MHC (A.CA/J)(H-2K-f) class I antigen	1450534 x at	2.08	0.00
<i>Gas5</i>	growth arrest specific 5	1436222 at	2.08	0.01
<i>A1662270</i>	expressed sequence A1662270	1434067 at	2.08	0.01
<i>Tbl1xr1</i>	transducin (beta)-like 1X-linked receptor 1	1434839 s at	2.08	0.00
<i>St7l</i>	Suppression of tumorigenicity 7-like	1456363 at	2.08	0.01
<i>Bak1</i>	BCL2-antagonist/killer 1	1418991 at	2.08	0.00
<i>Socs2</i>	suppressor of cytokine signaling 2	1438470 at	2.08	0.00
<i>Tpm3</i>	tropomyosin 3, gamma	1427260 a at	2.08	0.00
<i>Map1lc3b</i>	microtubule-associated protein 1 light chain 3 beta	1415929 at	2.08	0.00
<i>Slco2a1</i>	solute carrier organic anion transporter family, member 2a1	1420913 at	2.07	0.00
<i>2310073E15Rik</i>	RIKEN cDNA 2310073E15 gene	1428534 at	2.07	0.00
<i>Itpkc</i>	inositol 1,4,5-trisphosphate 3-kinase C	1454755 at	2.07	0.00
<i>Acs14</i>	acyl-CoA synthetase long-chain family member 4	1433531 at	2.07	0.04
<i>Stat3</i>	Signal transducer and activator of transcription 3	1459961 a at	2.07	0.00
<i>C030027K23Rik /// Parp4</i>	RIKEN cDNA C030027K23 gene /// poly (ADP-ribose) polymerase family, member 4	1452351 at	2.07	0.00
<i>Ddi2 /// Rsc1a1</i>	DNA-damage inducible protein 2 /// regulatory solute carrier protein, family 1, member 1	1422560 at	2.07	0.03
<i>Smad1</i>	MAD homolog 1 (Drosophila)	1416081 at	2.07	0.04
<i>Klhl2</i>	kelch-like 2, Mayven (Drosophila)	1426978 at	2.07	0.02
<i>Cx3cl1</i>	chemokine (C-X3-C motif) ligand 1	1415803 at	2.07	0.00
<i>Nfkbib</i>	nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, beta	1421266 s at	2.07	0.00
<i>Atf3</i>	activating transcription factor 3	1449363 at	2.07	0.02
<i>Ear3</i>	eosinophil-associated, ribonuclease A family, member 3	1422412 x at	2.07	0.00
<i>Scap2</i>	src family associated phosphoprotein 2	1418895 at	2.07	0.00
<i>Slc43a3</i>	solute carrier family 43, member 3	1422788 at	2.07	0.00
<i>Ihpk2</i>	inositol hexaphosphate kinase 2	1428373 at	2.06	0.00
<i>Msn</i>	moesin	1421814 at	2.06	0.00
<i>Etoh1 /// 6230416C02Rik /// LOC667962 /// LOC668009</i>	ethanol induced 1 /// RIKEN cDNA 6230416C02 gene /// similar to zinc finger protein 97 /// similar to zinc finger protein 97	1429712_at	2.06	0.00
<i>Traf3ip2</i>	Traf3 interacting protein 2	1448508 at	2.06	0.00
<i>Tapbp1</i>	TAP binding protein-like	1424961 at	2.06	0.00
<i>Glpr2</i>	GLI pathogenesis-related 2	1428492 at	2.06	0.00
<i>Clic5</i>	chloride intracellular channel 5	1456873 at	2.06	0.01
<i>Cd300lf</i>	CD300 antigen like family member F	1427994 at	2.06	0.00
<i>4933426M11Rik</i>	RIKEN cDNA 4933426M11 gene	1454606 at	2.06	0.00
<i>Cdc42ep4</i>	CDC42 effector protein (Rho GTPase binding) 4	1416511 a at	2.06	0.00
<i>Capn10</i>	calpain 10	1416265 at	2.06	0.00
<i>Rac1</i>	RAS-related C3 botulinum substrate 1	1423734 at	2.05	0.00
<i>Lpin3</i>	lipin 3	1449440 at	2.05	0.00
<i>Nts</i>	neurotensin	1422860 at	2.05	0.00
<i>Slc10a3</i>	solute carrier family 10 (sodium/bile acid cotransporter family), member 3	1451227 a at	2.05	0.00
<i>Ctps2</i>	cytidine 5'-triphosphate synthase 2	1448111 at	2.05	0.00
<i>Tcirg1</i>	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 protein A3	1420635 a at	2.05	0.00
<i>Socs2</i>	suppressor of cytokine signaling 2	1418507 s at	2.05	0.01
<i>Nek7</i>	NIMA (never in mitosis gene a)-related expressed kinase 7	1444447 at	2.05	0.00
<i>Gtf3c3</i>	general transcription factor IIC, polypeptide 3	1454765 at	2.05	0.00
<i>Cndp2</i>	CNDP dipeptidase 2 (metalloproteinase M20 family)	1448263 at	2.05	0.00
<i>4833438C02Rik</i>	RIKEN cDNA 4833438C02 gene	1436524 at	2.04	0.00
<i>Nek6 /// LOC674247</i>	NIMA (never in mitosis gene a)-related expressed kinase 6 /// similar to NIMA (never in mitosis gene a)-related expressed kinase 6	1425850_a at	2.04	0.00
<i>LOC669660</i>	similar to PDZ and LIM domain protein 5 (Enigma homolog) (Enigma-like PDZ and LIM domains protein)	1422862_at	2.04	0.02
<i>2610002M06Rik</i>	RIKEN cDNA 2610002M06 gene	1419690 at	2.04	0.01
<i>Chmp4b</i>	chromatin modifying protein 4B	1426240 at	2.04	0.00
<i>Gramd1a</i>	GRAM domain containing 1A	1416708 a at	2.04	0.00
<i>Rasip1</i>	Ras interacting protein 1	1428016 a at	2.04	0.00
<i>Apxl /// LOC670546</i>	apical protein, Xenopus laevis-like /// similar to Apical-like protein (APXL protein)	1433992 at	2.04	0.00
<i>Selenbp1</i>	selenium binding protein 1	1450699 at	2.04	0.00
<i>Psmf1</i>	proteasome (prosome, macropain) inhibitor subunit 1	1424369 at	2.04	0.00
<i>Galnt12</i>	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 2	1429235_at	2.04	0.00
<i>Pma5</i>	proteasome (prosome, macropain) subunit, alpha type 5	1434356 a at	2.04	0.00
<i>Limd1</i>	LIM domains containing 1	1422731 at	2.04	0.00
<i>Pgs1</i>	phosphatidylglycerophosphate synthase 1	1455229 x at	2.04	0.00
<i>Crbn</i>	cereblon	1423094 at	2.04	0.00

<i>Syn2</i>	synapsin II	1428460 at	2.03	0.00
<i>Erec1</i>	excision repair cross-complementing rodent repair deficiency, complementation group 1	1417328 at	2.03	0.00
<i>Ctsz</i>	cathepsin Z	1417869 s at	2.03	0.00
<i>Svk</i>	spleen tyrosine kinase	1418261 at	2.03	0.00
<i>4930486L24Rik</i>	RIKEN cDNA 4930486L24 gene	1430051 at	2.03	0.02
<i>LOC669660</i>	similar to PDZ and LIM domain protein 5 (Enigma homolog) (Enigma-like PDZ and LIM domains protein)	1427475_a at	2.03	0.00
<i>Loxl3</i>	lysyl oxidase-like 3	1418269 at	2.03	0.00
<i>Lrp8</i>	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	1440882 at	2.03	0.02
<i>Cdc42ep4</i>	CDC42 effector protein (Rho GTPase binding) 4	1436801 x at	2.02	0.00
<i>9830115L13Rik</i>	RIKEN cDNA 9830115L13 gene	1436183 at	2.02	0.00
<i>Gas5</i>	growth arrest specific 5	1449410 a at	2.02	0.00
<i>Man2a1</i>	mannosidase 2, alpha 1	1448647 at	2.01	0.00
<i>Phacr1</i>	phosphatase and actin regulator 1	1454832 at	2.01	0.00
<i>5830428H23Rik</i>	RIKEN cDNA 5830428H23 gene	1436672 at	2.01	0.00
<i>Eif4a1</i>	eukaryotic translation initiation factor 4A1	1427058 at	2.01	0.00
<i>Nucb2</i>	nucleobindin 2	1418355 at	2.01	0.00
<i>Cp</i>	ceruloplasmin	1448735 at	2.01	0.00
<i>Shc1</i>	src homology 2 domain-containing transforming protein C1	1422853 at	2.01	0.00
<i>Ncf1</i>	neutrophil cytosolic factor 1	1456772 at	2.01	0.00
<i>5830472M02Rik</i>	RIKEN cDNA 5830472M02 gene	1428457 at	2.01	0.00
<i>Raph1</i>	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1	1456918 at	2.01	0.00
<i>Bnip3</i>	BCL2/adenovirus E1B interacting protein 1, NIP3	1422470 at	2.01	0.00
<i>Ccnd3</i>	Cyclin D3	1437584 at	2.01	0.02
<i>Snord22</i>	small nucleolar RNA, C/D box 22	1437658 a at	2.01	0.01
<i>Gch1</i>	GTP cyclohydrolase 1	1420499 at	2.01	0.00
<i>Parp11</i>	poly (ADP-ribose) polymerase family, member 11	1434139 at	2.01	0.00
<i>Cd44</i>	CD44 antigen	1452483 a at	2.00	0.01
<i>Tor3a</i>	torsin family 3, member A	1450454 at	2.00	0.00
<i>Gng12</i>	guanine nucleotide binding protein (G protein), gamma 12	1455089 at	2.00	0.00
<i>Ugdh</i>	UDP-glucose dehydrogenase	1416308 at	2.00	0.00
<i>Clqb</i>	complement component 1, q subcomponent, beta polypeptide	1437726 x at	2.00	0.02
<i>Tuba6 // LOC626534</i>	tubulin, alpha 6 // similar to Tubulin alpha-6 chain (Alpha-tubulin 6)	1448232 x at	2.00	0.00
<i>D2Erd391e</i>	DNA segment, Chr 2, ERATO Doi 391, expressed	1423794 at	2.00	0.00
<i>Itea5</i>	integrin alpha 5 (fibronectin receptor alpha)	1423267 s at	1.99	0.00
<i>Kcna5</i>	potassium voltage-gated channel, shaker-related subfamily, member 5	1417680 at	1.99	0.02
<i>Samhd1</i>	SAM domain and HD domain, 1	1444064 at	1.99	0.00
<i>Ptp4a1 // LOC433406 // LOC627166 // LOC627200 // LOC667723</i>	protein tyrosine phosphatase 4a1 // protein tyrosine phosphatase 4a1-like // protein tyrosine phosphatase 4a1 pseudogene // protein tyrosine phosphatase 4a1-like // similar to protein tyrosine phosphatase 4a1	1438657_x at	1.99	0.00
<i>Rai14</i>	retinoic acid induced 14	1417401 at	1.99	0.02
<i>9230105E10Rik</i>	RIKEN cDNA 9230105E10 gene	1445271 at	1.99	0.02
<i>Chst11 // Phacr1</i>	carbohydrate sulfotransferase 11 // phosphatase and actin regulator 1	1456606 a at	1.99	0.01
<i>Acs14</i>	acyl-CoA synthetase long-chain family member 4	1451828 a at	1.99	0.02
<i>Cdkn2d</i>	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	1416253 at	1.99	0.00
<i>Tsc22d1</i>	TSC22 domain family, member 1	1454758 a at	1.99	0.00
<i>Gna13</i>	guanine nucleotide binding protein, alpha 13	1433749 at	1.98	0.02
<i>Ccrn41 // LOC280487 // LOC639390</i>	CCR4 carbon catabolite repression 4-like (S. cerevisiae) // pol polyprotein // gag protein	1455316_x at	1.98	0.00
<i>Akap2</i>	A kinase (PRKA) anchor protein 2	1449168 a at	1.98	0.04
<i>Pla1a</i>	phospholipase A1 member A	1417785 at	1.98	0.00
<i>Cd24a</i>	CD24a antigen	1448182 a at	1.98	0.00
<i>Camkk2</i>	calcium/calmodulin-dependent protein kinase kinase 2, beta	1424474 a at	1.98	0.00
<i>LOC669660</i>	similar to PDZ and LIM domain protein 5 (Enigma homolog) (Enigma-like PDZ and LIM domains protein)	1450786_x at	1.98	0.07
<i>Adamts14</i>	ADAMTS-like 4	1451932 a at	1.98	0.00
<i>Anxa4</i>	annexin A4	1421223 a at	1.98	0.00
<i>Tgfb2</i>	transforming growth factor, beta receptor II	1426397 at	1.98	0.00
<i>Phb</i>	Prohibitin	1435144 at	1.98	0.01
<i>Ctm</i>	cortactin	1421315 s at	1.98	0.00
<i>Mafk</i>	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein K (avian)	1418616 at	1.98	0.00
<i>Pgm3</i>	phosphoglucomutase 3	1428228 at	1.98	0.00
<i>1300018I05Rik</i>	RIKEN cDNA 1300018I05 gene	1423681 at	1.98	0.00
<i>Sik11ip</i>	serine/threonine kinase 11 interacting protein	1431792 a at	1.98	0.00
<i>Flot2</i>	flotillin 2	1438164 x at	1.98	0.00
<i>2310005L22Rik</i>	RIKEN cDNA 2310005L22 gene	1436040 at	1.98	0.02
<i>Art3</i>	ADP-ribosyltransferase 3	1452474 a at	1.98	0.00
<i>---</i>	---	1442026 at	1.97	0.02
<i>5830400J07Rik</i>	RIKEN cDNA 5830400J07 gene	1431689 at	1.97	0.00
<i>Sfi1 // LOC673420 // LOC673566</i>	Sfi1 homolog, spindle assembly associated (yeast) // similar to spindle assembly associated Sfi1 homolog isoform b // similar to Sfi1 homolog, spindle assembly associated (yeast)	1447901_x at	1.97	0.04
<i>Zwint</i>	ZW10 interactor	1423724 at	1.97	0.00
<i>Tmbim1</i>	transmembrane BAX inhibitor motif containing 1	1417162 at	1.97	0.00
<i>Dbnl</i>	drebrin-like	1460334 at	1.97	0.00
<i>Dctn6</i>	dynactin 6	1416499 a at	1.97	0.02
<i>Eif4e2</i>	eukaryotic translation initiation factor 4E member 2	1435803 a at	1.97	0.00
<i>Tlr4</i>	toll-like receptor 4	1418163 at	1.97	0.00
<i>Coro1a</i>	coronin, actin binding protein 1A	1416246 a at	1.97	0.01
<i>Cd302</i>	CD302 antigen	1448919 at	1.96	0.00
<i>Tnfaip2</i>	tumor necrosis factor, alpha-induced protein 2	1416273 at	1.96	0.01
<i>A330021E22Rik</i>	RIKEN cDNA A330021E22 gene	1440796 at	1.96	0.00
<i>Slc2a1</i>	solute carrier family 2 (facilitated glucose transporter), member 1	1426600 at	1.96	0.00
<i>Sertad1</i>	SERTA domain containing 1	1417406 at	1.96	0.00
<i>Txnrd1</i>	thioredoxin reductase 1	1421529 a at	1.96	0.00
<i>Art1</i>	ADP-ribosyltransferase 1	1451372 a at	1.96	0.00
<i>Entpd1</i>	ectonucleoside triphosphate diphosphohydrolase 1	1423326 at	1.96	0.00
<i>2610307O08Rik</i>	RIKEN cDNA 2610307O08 gene	1427911 at	1.95	0.00
<i>AB124611</i>	cDNA sequence AB124611	1438475 at	1.95	0.00
<i>5033414K04Rik</i>	RIKEN cDNA 5033414K04 gene	1440790 x at	1.95	0.00
<i>Psm11</i>	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11	1429370 a at	1.95	0.00
<i>Hspb1</i>	heat shock protein 1	1422943 a at	1.95	0.00
<i>Serinc3</i>	serine incorporator 3	1448847 at	1.95	0.00
<i>Nubp1</i>	nucleotide binding protein 1	1430778 a at	1.95	0.00
<i>Slc39a1</i>	solute carrier family 39 (zinc transporter), member 1	1424424 at	1.94	0.00
<i>Ddx21</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	1448270 at	1.94	0.01
<i>Ebp</i>	phenylalkylamine Ca2+ antagonist (emopamil) binding protein	1416667 at	1.94	0.00

<i>Ube1l</i>	ubiquitin-activating enzyme E1-like	1437317 at	1.94	0.00
<i>Fstl3</i>	folliculin-like 3	1422803 at	1.94	0.00
<i>Rarres2</i>	retinoic acid receptor responder (tazarotene induced) 2	1437902 s at	1.94	0.00
<i>Arpc1b</i>	actin related protein 2/3 complex, subunit 1B	1416226 at	1.94	0.00
<i>Stx11</i>	syntaxin 11	1453228 at	1.94	0.03
<i>Serinc3</i>	serine incorporator 3	1434548 at	1.93	0.00
<i>Nek7</i>	NIMA (never in mitosis gene a)-related expressed kinase 7	1416817 at	1.93	0.00
<i>Oscn6</i>	quiescin Q6	1420832 at	1.93	0.00
<i>Gcnt2</i>	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	1430826 s at	1.93	0.02
<i>Scarb2</i>	scavenger receptor class B, member 2	1460235 at	1.93	0.00
<i>Tlk2</i>	tousled-like kinase 2 (Arabidopsis)	1454018 at	1.93	0.02
<i>Coro1a</i>	coronin, actin binding protein 1A	1455269 a at	1.93	0.01
<i>Cxcl12</i>	chemokine (C-X-C motif) ligand 12	1448823 at	1.93	0.00
<i>Rnf122</i>	ring finger protein 122	1447101 at	1.93	0.00
---	---	1416035 at	1.93	0.02
<i>Slc43a2</i>	solute carrier family 43, member 2	1434308 at	1.93	0.00
<i>Ercc1</i>	excision repair cross-complementing rodent repair deficiency, complementation group 1	1437447 s at	1.93	0.00
<i>Il6ra</i>	interleukin 6 receptor, alpha	1452416 at	1.93	0.00
<i>Rarres2</i>	retinoic acid receptor responder (tazarotene induced) 2	1428538 s at	1.92	0.00
<i>Pnpla2</i>	patatin-like phospholipase domain containing 2	1428591 at	1.92	0.00
<i>Tfdp2</i>	transcription factor Dp 2	1437174 at	1.92	0.00
2010209O12Rik	RIKEN cDNA 2010209O12 gene	1452170 at	1.92	0.00
<i>Syn2</i>	synapsin II	1460230 at	1.92	0.00
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<i>Cggbp1</i>	CGG triplet repeat binding protein 1	1455658 at	1.92	0.00
<i>Rtok3</i>	RIO kinase 3 (yeast)	1422650 a at	1.92	0.00
<i>Erv6</i>	ets variant gene 6 (TEL oncogene)	1434880 at	1.92	0.00
<i>Tpm3</i>	Tropomyosin 3, gamma	1436958 x at	1.92	0.00
<i>Tmem106a</i>	transmembrane protein 106A	1425025 at	1.91	0.00
<i>Gldc</i>	glycine decarboxylase	1416049 at	1.91	0.00
<i>Csnk1d</i>	casein kinase 1, delta	1418889 a at	1.91	0.00
<i>Pgs1</i>	phosphatidylglycerophosphate synthase 1	1454045 at	1.91	0.00
<i>Ccrn4l</i> /// <i>Sgip1</i> /// <i>LOC280487</i> /// <i>LOC639390</i>	CCR4 carbon catabolite repression 4-like (S. cerevisiae) /// SH3-domain GRB2-like (endophilin) interacting protein 1 /// pol polyprotein /// gag protein	1448715_x at	1.91	0.00
<i>Gag</i>	Gag	1451626 x at	1.90	0.00
<i>LOC669660</i>	similar to PDZ and LIM domain protein 5 (Enigma homolog) (Enigma-like PDZ and LIM domains protein)	1422863_s at	1.90	0.02
<i>Klf6</i>	Kruppel-like factor 6	1418280 at	1.90	0.06
<i>Nola2</i>	nucleolar protein family A, member 2	1416606 s at	1.90	0.00
<i>Rhou</i>	ras homolog gene family, member U	1449027 at	1.90	0.00
<i>Trim25</i>	tripartite motif protein 25	1426415 a at	1.90	0.00
2610301K12Rik	RIKEN cDNA 2610301K12 gene	1429336 at	1.90	0.10
<i>B4galt1</i>	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	1418014 a at	1.90	0.00
<i>BC063749</i>	cDNA sequence BC063749	1433943 at	1.90	0.00
<i>Tdrd7</i>	tudor domain containing 7	1426716 at	1.90	0.00
<i>Il1r1</i>	interleukin 1 receptor, type I	1448950 at	1.90	0.00
<i>Tgfb2</i>	transforming growth factor, beta 2	1450922 a at	1.90	0.05
<i>Pes1</i>	pescadillo homolog 1, containing BRCT domain (zebrafish)	1416172 at	1.90	0.00
<i>Grn</i>	granulin	1448148 at	1.90	0.00
<i>B4galt1</i>	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	1458616 at	1.89	0.00
2010106G01Rik	RIKEN cDNA 2010106G01 gene	1425193 at	1.89	0.02
<i>Kb1bd11</i> /// <i>LOC632344</i>	kelch repeat and BTB (POZ) domain containing 11 /// similar to Protein KIAA0711	1435465 at	1.89	0.04
<i>Grn</i>	granulin	1438629 x at	1.89	0.00
<i>Mcl1</i>	myeloid cell leukemia sequence 1	1416881 at	1.89	0.00
<i>Plat</i>	plasminogen activator, tissue	1415806 at	1.89	0.01
<i>Adar</i>	adenosine deaminase, RNA-specific	1434268 at	1.89	0.00
A930035D04Rik	RIKEN cDNA A930035D04 gene	1436942 at	1.89	0.00
<i>Chd6</i>	chromodomain helicase DNA binding protein 6	1427384 at	1.89	0.01
0610041E09Rik	RIKEN cDNA 0610041E09 gene	1425780 a at	1.89	0.01
<i>Adam8</i>	a disintegrin and metalloproteinase domain 8	1416871 at	1.89	0.00
---	---	1435833 at	1.89	0.00
<i>Stno</i>	Strawberry notch homolog (Drosophila)	1441840 x at	1.89	0.02
<i>Nek7</i>	NIMA (never in mitosis gene a)-related expressed kinase 7	1416816 at	1.89	0.00
<i>Tpbp</i>	trophoblast glycoprotein	1423311 s at	1.88	0.00
<i>Ptpn2</i>	protein tyrosine phosphatase, non-receptor type 2	1425198 at	1.88	0.02
<i>Lrrc59</i>	leucine rich repeat containing 59	1416234 at	1.88	0.00
A1851523	expressed sequence A1851523	1440156 s at	1.88	0.00
<i>Josd3</i>	Josephin domain containing 3	1430147 a at	1.88	0.00
<i>Cab39l</i>	calcium binding protein 39-like	1449966 s at	1.88	0.00
<i>Ell</i>	elongation factor RNA polymerase II	1460643 at	1.88	0.00
<i>Gpr178</i>	G protein-coupled receptor 178	1435948 at	1.88	0.00
<i>LOC677168</i>	hypothetical protein LOC677168	1453939 x at	1.88	0.00
<i>Dcn</i>	decorin	1441506 at	1.88	0.00
<i>Tmem2</i>	transmembrane protein 2	1451458 at	1.87	0.02
<i>Nubp2</i>	nucleotide binding protein 2	1459842 x at	1.87	0.00
<i>Ugcg</i>	UDP-glucose ceramide glucosyltransferase	1435133 at	1.87	0.00
<i>Gnl3</i>	guanine nucleotide binding protein-like 3 (nucleolar)	1433656 a at	1.87	0.00
A1843639	expressed sequence A1843639	1436614 at	1.87	0.02
<i>Atf4</i>	activating transcription factor 4	1438992 x at	1.87	0.01
<i>Cxcl16</i>	chemokine (C-X-C motif) ligand 16	1418718 at	1.87	0.00
<i>Uck2</i>	uridine-cytidine kinase 2	1439741 x at	1.87	0.00
<i>Mocos</i>	molybdenum cofactor sulfuryase	1429352 at	1.87	0.00
<i>Fen1</i>	flap structure specific endonuclease 1	1436454 x at	1.87	0.00
<i>Amotl2</i>	angiominin like 2	1452387 a at	1.87	0.00
<i>Slc31a2</i>	solute carrier family 31, member 2	1453721 a at	1.87	0.00
<i>Pgs1</i>	phosphatidylglycerophosphate synthase 1	1454046 x at	1.87	0.00
<i>Tbl1xr1</i>	transducin (beta)-like 1X-linked receptor 1	1422761 at	1.87	0.03
<i>Timp4</i>	tissue inhibitor of metalloproteinase 4	1423405 at	1.87	0.03
<i>Zfp313</i>	Zinc finger protein 313	1438257 at	1.87	0.00
<i>Clu</i>	clusterin	1418626 a at	1.87	0.00
<i>Myd116</i>	myeloid differentiation primary response gene 116	1448325 at	1.87	0.00
<i>Syn2</i>	synapsin II	1449030 at	1.87	0.03
<i>Cib1</i>	calcium and integrin binding 1 (calmyrin)	1448564 at	1.87	0.00
<i>Plekhc1</i>	pleckstrin homology domain containing, family C (with FERM domain) member 1	1434181 at	1.86	0.02
<i>Pfkp</i>	phosphofructokinase, platelet	1416069 at	1.86	0.00
<i>Bicd1</i>	bicaudal D homolog 1 (Drosophila)	1451684 a at	1.86	0.00

<i>Plekha4</i>	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4	1426013_s_at	1.86	0.00
<i>Entpd1</i>	ectonucleoside triphosphate diphosphohydrolase 1	1450939_at	1.86	0.00
<i>Ptprk</i>	protein tyrosine phosphatase, receptor type, K	1423277_at	1.86	0.00
<i>Wdr26</i>	WD repeat domain 26	1423961_at	1.86	0.00
<i>A1838057</i>	expressed sequence A1838057	1434447_at	1.86	0.01
<i>Cspg2</i>	chondroitin sulfate proteoglycan 2	1427256_at	1.86	0.00
<i>6430537K16Rik</i>	RIKEN cDNA 6430537K16 gene	1438878_at	1.86	0.00
<i>Usp3</i>	ubiquitin specific peptidase 3	1425022_at	1.86	0.00
<i>Gba</i>	glucosidase, beta, acid	1437044_a_at	1.86	0.00
<i>Psmc7</i>	proteasome (prosome, macropain) subunit, alpha type 7	1423568_at	1.86	0.00
<i>H3f3b</i>	H3 histone, family 3B	1455725_a_at	1.86	0.01
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<i>Hpse</i>	Heparanase	1433930_at	1.86	0.00
<i>Ppa1</i>	pyrophosphatase (inorganic) 1	1416939_at	1.85	0.00
<i>Mar-01</i>	membrane-associated ring finger (C3HC4) 1	1440209_at	1.85	0.00
<i>Zbtb16</i>	zinc finger and BTB domain containing 16	1419874_x_at	1.85	0.02
<i>Ss18l1</i>	Synovial sarcoma translocation gene on chromosome 18-like 1	1458785_at	1.85	0.02
<i>D030070L09Rik</i>	RIKEN cDNA D030070L09 gene	1433859_at	1.85	0.00
<i>Ereg</i>	epiregulin	1419431_at	1.85	0.00
<i>Psmc4</i>	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	1425859_a_at	1.85	0.00
<i>Grn</i>	granulin	1456567_x_at	1.85	0.00
<i>3110024A21Rik</i>	RIKEN cDNA 3110024A21 gene	1447703_x_at	1.85	0.00
<i>Ninj1</i>	ninjurin 1	1438928_x_at	1.85	0.00
<i>Jak2</i>	Janus kinase 2	1421066_at	1.85	0.00
<i>Sfxn1</i>	sideroflexin 1	1417559_at	1.85	0.01
<i>Fem1c</i>	fem-1 homolog C (C.elegans)	1438075_at	1.84	0.10
<i>Ets2</i>	E26 avian leukemia oncogene 2, 3' domain	1416268_at	1.84	0.00
<i>Rab711</i>	RAB7, member RAS oncogene family-like 1	1451362_at	1.84	0.00
<i>Zbtb16</i>	zinc finger and BTB domain containing 16	1439163_at	1.84	0.03
<i>Ninj1</i>	ninjurin 1	1448417_at	1.84	0.00
<i>Ank3</i>	ankyrin 3, epithelial	1425202_a_at	1.84	0.00
<i>St6galnac4</i>	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4	1418075_at	1.84	0.00
<i>Tgfr2</i>	transforming growth factor, beta receptor II	1425444_a_at	1.84	0.00
<i>Gna13</i>	guanine nucleotide binding protein, alpha 13	1450656_at	1.84	0.02
<i>Nadk</i>	NAD kinase	1416248_at	1.84	0.00
---	---	1435361_at	1.84	0.01
<i>Midn</i>	midnolin	1449188_at	1.84	0.00
<i>Snrpa1</i>	small nuclear ribonucleoprotein polypeptide A'	1417351_a_at	1.84	0.00
<i>Numa1</i>	Nuclear mitotic apparatus protein 1	1441090_at	1.84	0.01
<i>Rbed1</i>	RNA binding motif and ELMO domain 1	1451392_at	1.84	0.00
<i>Steap1</i>	six transmembrane epithelial antigen of the prostate 1	1424938_at	1.84	0.02
<i>Tmem50a</i>	transmembrane protein 50A	1453155_at	1.84	0.00
<i>Cndp2</i>	CNDP dipeptidase 2 (metallopeptidase M20 family)	1460177_at	1.84	0.00
<i>U2af1-rs2</i>	U2 small nuclear ribonucleoprotein auxiliary factor (U2AF) 1, related sequence 2	1455727_at	1.84	0.00
<i>Clec1a</i>	C-type lectin domain family 1, member a	1460039_at	1.84	0.01
<i>Snap29</i>	synaptosomal-associated protein	1423355_at	1.84	0.00
<i>Syk</i>	spleen tyrosine kinase	1418262_at	1.84	0.00
<i>Pglyrp1</i>	peptidoglycan recognition protein 1	1449184_at	1.83	0.00
<i>Bclaf1</i>	BCL2-associated transcription factor 1	1428844_a_at	1.83	0.00
<i>Tsc22d1</i>	TSC22 domain family, member 1	1433899_x_at	1.83	0.00
<i>Ggps1</i>	geranylgeranyl diphosphate synthase 1	1419505_a_at	1.83	0.00
<i>Tnfrsf10</i>	tumor necrosis factor (ligand) superfamily, member 10	1439680_at	1.83	0.00
<i>Ripk2</i>	receptor (TNFRSF)-interacting serine-threonine kinase 2	1450173_at	1.83	0.00
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<i>Tsr1</i>	TSR1, 20S rRNA accumulation, homolog (yeast)	1433502_s_at	1.83	0.00
<i>Trim34</i>	tripartite motif protein 34	1426093_at	1.83	0.00
<i>Eif1</i>	eukaryotic translation termination factor 1	1451208_at	1.83	0.00
<i>Kif22</i>	kinesin family member 22	1437716_x_at	1.83	0.00
<i>Nubp1</i>	nucleotide binding protein 1	1418906_at	1.83	0.00
<i>Gtppb4</i>	GTP binding protein 4	1423143_at	1.82	0.00
<i>Rbm18</i>	RNA binding motif protein 18	1420608_at	1.82	0.02
<i>Gsr</i>	glutathione reductase 1	1421817_at	1.82	0.00
<i>Cttm</i>	cortactin	1423917_a_at	1.82	0.00
<i>LOC433237</i>	hypothetical gene supported by AK028012	1444178_at	1.82	0.04
<i>Rlf</i>	Rearranged L-myc fusion sequence	1440020_at	1.82	0.00
<i>Sdad1</i>	SDA1 domain containing 1	1452454_at	1.82	0.00
<i>Ftsj3</i>	FtsJ homolog 3 (E. coli)	1451026_at	1.82	0.00
<i>Mmd</i> /// <i>LOC676546</i>	monocyte to macrophage differentiation-associated /// similar to monocyte to macrophage differentiation-associated	1435645_at	1.82	0.00
<i>Pold4</i>	polymerase (DNA-directed), delta 4	1427885_at	1.82	0.00
<i>Ucgg</i>	UDP-glucose ceramide glucosyltransferase	1421268_at	1.82	0.02
<i>A1413194</i>	expressed sequence A1413194	1441320_a_at	1.82	0.00
<i>Bin3</i>	bridging integrator 3	1417691_at	1.82	0.00
<i>Hivp3</i>	human immunodeficiency virus type 1 enhancer binding protein 3	1458802_at	1.82	0.00
<i>Cpne8</i>	copine VIII	1431146_a_at	1.82	0.02
<i>Flot2</i>	flotillin 2	1417544_a_at	1.82	0.00
<i>2400006N03Rik</i>	RIKEN cDNA 2400006N03 gene	1428828_at	1.82	0.00
<i>Plod3</i>	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	1415901_at	1.82	0.00
<i>Dnttip2</i>	deoxynucleotidyltransferase, terminal, interacting protein 2	1427881_at	1.82	0.00
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<i>1700047117Rik</i> /// <i>LOC665155</i>	RIKEN cDNA 1700047117 gene /// similar to signal recognition particle 54	1460466_at	1.81	0.00
<i>Serpine2</i>	serine (or cysteine) peptidase inhibitor, clade E, member 2	1416666_at	1.81	0.00
<i>4930504E06Rik</i>	RIKEN cDNA 4930504E06 gene	1438321_x_at	1.81	0.00
<i>Mybbp1a</i>	MYB binding protein (P160) 1a	1423430_at	1.81	0.00
<i>Dpysl3</i>	dihydropyrimidinase-like 3	1438789_s_at	1.81	0.00
<i>2310044G17Rik</i>	RIKEN cDNA 2310044G17 gene	1424913_at	1.81	0.00
<i>D13Wsu177e</i>	DNA segment, Chr 13, Wayne State University 177, expressed	1424620_at	1.81	0.00
<i>Cttm</i>	cortactin	1433908_a_at	1.81	0.00
<i>Ogfr11</i> /// <i>LOC673882</i>	opioid growth factor receptor-like 1 /// similar to opioid growth factor receptor-like 1	1424414_at	1.81	0.00
<i>Josd3</i>	Josephin domain containing 3	1430271_x_at	1.81	0.01
<i>Osr1</i>	odd-skipped related 1 (Drosophila)	1449350_at	1.81	0.02
<i>Tbc1d15</i>	TBC1 domain family, member 15	1416062_at	1.80	0.07
<i>Tmem23</i>	Transmembrane protein 23	1457968_at	1.80	0.11
<i>Scarb2</i>	scavenger receptor class B, member 2	1454704_at	1.80	0.00
<i>Baiaip2</i>	brain-specific angiogenesis inhibitor 1-associated protein 2	1425656_a_at	1.80	0.00

<i>Ctsz</i>	cathepsin Z	1417868 a at	1.80	0.00
<i>Usp54</i>	ubiquitin specific peptidase 54	1428731 at	1.80	0.00
<i>Casp8</i>	caspase 8	1424552 at	1.80	0.00
<i>Spes3</i>	signal peptidase complex subunit 3 homolog (S. cerevisiae)	1451175 at	1.80	0.00
<i>Ctsz</i>	cathepsin Z	1417870 x at	1.80	0.00
<i>Tnrc9</i>	trinucleotide repeat containing 9	1436600 at	1.80	0.04
<i>Csf2rb2</i>	colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage)	1449360 at	1.80	0.00
<i>Paox</i>	polyamine oxidase (exo-N4-amino)	1428859 at	1.80	0.00
<i>Ets2</i>	E26 avian leukemia oncogene 2, 3' domain	1447685 x at	1.80	0.00
<i>Mtmr1</i>	myotubularin related protein 1	1421879 at	1.80	0.02
<i>Fbxw17</i>	F-box and WD-40 domain protein 17	1434991 at	1.80	0.00
<i>Atf6</i>	activating transcription factor 6	1453288 at	1.80	0.00
<i>Steap2</i>	six transmembrane epithelial antigen of prostate 2	1438773 at	1.79	0.02
<i>Gas5</i>	growth arrest specific 5	1424843 a at	1.79	0.02
<i>Usp3</i>	ubiquitin specific peptidase 3	1425023 at	1.79	0.00
<i>Rfxank</i>	regulatory factor X-associated ankyrin-containing protein	1455371 at	1.79	0.00
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<i>Dnajb4</i>	DnaJ (Hsp40) homolog, subfamily B, member 4	1451177 at	1.79	0.00
<i>Tpd52</i>	tumor protein D52	1419494 a at	1.79	0.03
<i>Fbxl5</i>	F-box and leucine-rich repeat protein 5	1456223 at	1.79	0.00
<i>Tsc22d1</i>	TSC22 domain family, member 1	1425742 a at	1.79	0.01
<i>Cd33</i>	CD33 antigen	1450513 at	1.78	0.00
<i>Mif1</i>	metal response element binding transcription factor 1	1429170 a at	1.78	0.00
<i>B4gal1</i>	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	1458773 at	1.78	0.14
<i>Hap1</i>	huntingtin-associated protein 1	1416997 a at	1.78	0.00
<i>Atxn10</i>	ataxin 10	1422576 at	1.78	0.00
<i>Mtdh</i>	Metadherin	1434882 at	1.78	0.00
<i>Ypel5</i>	yippee-like 5 (Drosophila)	1433593 at	1.78	0.02
<i>Map1lc3b</i>	microtubule-associated protein 1 light chain 3 beta	1415928 a at	1.78	0.00
<i>Cd40</i>	CD40 antigen	1439221 s at	1.78	0.00
<i>Edg1</i>	endothelial differentiation sphingolipid G-protein-coupled receptor 1	1423571 at	1.78	0.02
<i>Ptpn2</i>	protein tyrosine phosphatase, non-receptor type 2	1425197 at	1.78	0.10
<i>Star</i>	steroidogenic acute regulatory protein	1418728 at	1.78	0.05
<i>Mtmr1</i>	myotubularin related protein 1	1421880 at	1.78	0.01
<i>Ctnbp2nl</i>	CTTNBP2 N-terminal like	1449300 at	1.78	0.00
<i>Txn1</i>	thioredoxin 1	1416119 at	1.78	0.00
<i>Hpxn</i>	hemopexin	1423944 at	1.78	0.00
<i>5033413D16Rik</i>	RIKEN cDNA 5033413D16 gene	1428694 at	1.78	0.02
<i>Prss23</i>	protease, serine, 23	1431057 a at	1.77	0.08
<i>H6pd</i>	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	1452145 at	1.77	0.00
<i>Hspa2</i>	heat shock protein 2	1417101 at	1.77	0.04
<i>Gpr84</i>	G protein-coupled receptor 84	1420591 at	1.77	0.00
<i>Ath1</i>	ATH1, acid trehalase-like 1 (yeast)	1423765 at	1.77	0.00
<i>Hmga1</i>	high mobility group AT-hook 1	1416184 s at	1.77	0.00
<i>Psm11</i> /// LOC627316 /// LOC671671	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11 /// similar to 26S proteasome non-ATPase regulatory subunit 11 (26S proteasome regulatory subunit S9) (26S proteasome regulatory subunit p44.5) /// similar to 26S proteasome non-ATPase regulatory subunit 11 (26S proteasome regulatory subunit S9) (26S proteasome regulatory subunit p44.5)	1437080_s_at	1.77	0.00
<i>Rps25</i>	ribosomal protein S25	1430978 at	1.77	0.00
<i>Chst11</i>	carbohydrate sulfotransferase 11	1428902 at	1.77	0.02
<i>Ddx54</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	1460396 at	1.77	0.00
<i>Pacrg</i>	Park2 co-regulated	1428751 at	1.77	0.00
<i>Klf6</i>	Kruppel-like factor 6	1433508 at	1.77	0.02
<i>Sfns7</i>	splicing factor, arginine/serine-rich 7	1436871 at	1.77	0.03
<i>Xpa</i>	xeroderma pigmentosum, complementation group A	1460725 at	1.77	0.00
<i>Sec1</i>	secretory blood group 1	1455784 at	1.77	0.02
<i>Cpeb1</i>	cytoplasmic polyadenylation element binding protein 1	1417960 at	1.77	0.00
<i>H3f3b</i>	H3 histone, family 3B	1420376 a at	1.76	0.04
<i>Orm1</i>	orosomucoid 1	1451054 at	1.76	0.01
<i>Egfr</i>	epidermal growth factor receptor	1435888 at	1.76	0.02
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<i>Rnf122</i>	ring finger protein 122	1454857 at	1.76	0.02
<i>Sec61a1</i>	Sec61 alpha 1 subunit (S. cerevisiae)	1416189 a at	1.76	0.00
<i>Samsn1</i>	SAM domain, SH3 domain and nuclear localization signals, 1	1421457 a at	1.76	0.00
<i>BC031353</i>	cDNA sequence BC031353	1436033 at	1.76	0.00
<i>1810011O16Rik</i>	RIKEN cDNA 1810011O16 gene	1432444 a at	1.76	0.00
<i>C130047D21Rik</i>	RIKEN cDNA C130047D21 gene	1439293 at	1.76	0.00
<i>Xbp1</i>	X-box binding protein 1	1420886 a at	1.76	0.00
<i>Slc7a6</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	1433467 at	1.75	0.00
<i>Trim34</i>	Tripartite motif protein 34	1446939 at	1.75	0.04
<i>Clic1</i>	chloride intracellular channel 1	1416656 at	1.75	0.00
<i>Psm10</i>	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10	1436559 a at	1.75	0.00
<i>Ctdsp2</i>	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	1423661 s at	1.75	0.00
<i>Clic5</i>	chloride intracellular channel 5	1439505 at	1.75	0.01
<i>Acp2</i>	acid phosphatase 2, lysosomal	1424655 at	1.75	0.00
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<i>Rnh1</i>	ribonuclease/angiogenin inhibitor 1	1451201 s at	1.75	0.00
<i>Ggps1</i>	geranylgeranyl diphosphate synthase 1	1419805 s at	1.75	0.01
<i>Eif4a1</i>	eukaryotic translation initiation factor 4A1	1434985 a at	1.75	0.00
<i>Tlr13</i>	toll-like receptor 13	1457753 at	1.75	0.03
<i>Dsg2</i>	desmoglein 2	1425619 s at	1.75	0.01
<i>Tuba6</i> /// LOC626534	tubulin, alpha 6 /// similar to Tubulin alpha-6 chain (Alpha-tubulin 6)	1416128 at	1.75	0.00
<i>1110033J19Rik</i>	RIKEN cDNA 1110033J19 gene	1452730 at	1.75	0.02
<i>D10Erd438e</i>	DNA segment, Chr 10, ERATO Doi 438, expressed	1420646 at	1.74	0.02
<i>Wdr68</i>	WD repeat domain 68	1429385 at	1.74	0.00
<i>Ddx54</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	1438853 x at	1.74	0.00
<i>Il13ra1</i>	interleukin 13 receptor, alpha 1	1454783 at	1.74	0.04
<i>Zfp259</i>	zinc finger protein 259	1419281 a at	1.74	0.00
<i>Nr1h2</i>	nuclear receptor subfamily 1, group H, member 2	1416353 at	1.74	0.00
<i>Fbxo4</i>	F-box only protein 4	1427121 at	1.74	0.00
<i>Tpie2</i>	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	1418097 a at	1.74	0.00
<i>Galnt2</i>	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 2	1429236_at	1.74	0.00
<i>Hip1</i>	huntingtin interacting protein 1	1434557 at	1.74	0.00
<i>Creb3l1</i>	cAMP responsive element binding protein 3-like 1	1419295 at	1.74	0.00
<i>Abhd4</i>	abhydrolase domain containing 4	1439259 x at	1.74	0.00

<i>Cd53</i>	CD53 antigen	1448617	at	1.74	0.00
<i>Cyld</i>	cylindromatosis (turban tumor syndrome)	1429617	at	1.74	0.02
<i>Ralb</i>	v-ral simian leukemia viral oncogene homolog B (ras related)	1435517	x at	1.74	0.00
<i>Fmnl2</i>	Formin-like 2	1457910	at	1.73	0.01
<i>Ninj1</i>	ninjurin 1	1441281	s at	1.73	0.00
<i>Clu</i>	clusterin	1437689	x at	1.73	0.00
<i>Armcx5</i>	armadillo repeat containing, X-linked 5	1424481	s at	1.73	0.00
<i>Mknk2</i>	MAP kinase-interacting serine/threonine kinase 2	1418300	a at	1.73	0.00
<i>Itgb1</i>	integrin beta 1 (fibronectin receptor beta)	1427771	x at	1.73	0.02
<i>BC028799 // 4922501C03Rik</i>	cDNA sequence BC028799 /// RIKEN cDNA 4922501C03 gene	1443899	at	1.73	0.00
<i>Prpf31</i>	PRP31 pre-mRNA processing factor 31 homolog (yeast)	1448633	at	1.73	0.00
<i>Creb3</i>	cAMP responsive element binding protein 3	1424740	at	1.73	0.01
<i>Gng12</i>	guanine nucleotide binding protein (G protein), gamma 12	1421947	at	1.73	0.01
<i>Ric8</i>	resistance to inhibitors of cholinesterase 8 homolog (C. elegans)	1424819	a at	1.73	0.00
<i>Actn1</i>	actinin, alpha 1	1428585	at	1.73	0.02
<i>Tgoln1</i>	trans-golgi network protein	1423309	at	1.73	0.00
<i>2010003J03Rik</i>	RIKEN cDNA 2010003J03 gene	1428542	at	1.73	0.00
<i>Akap2</i>	A kinase (PRKA) anchor protein 2	1455870	at	1.73	0.04
<i>Psm7</i>	proteasome (prosome, macropain) subunit, alpha type 7	1423567	a at	1.73	0.00
<i>Prss23</i>	protease, serine, 23	1437671	x at	1.73	0.06
<i>Fgr</i>	Gardner-Rasheed feline sarcoma viral (Fgr) oncogene homolog	1442804	at	1.73	0.00
<i>Psm1</i>	proteasome (prosome, macropain) 28 subunit, alpha	1417056	at	1.73	0.00
<i>Hspb1</i>	heat shock protein 1	1427853	a at	1.73	0.00
<i>1300018I05Rik</i>	RIKEN cDNA 1300018I05 gene	1443388	at	1.73	0.00
<i>Dtna</i>	dystrobrevin alpha	1425292	at	1.72	0.03
<i>Nadk</i>	NAD kinase	1416249	at	1.72	0.00
<i>Ccdc86</i>	coiled-coil domain containing 86	1454197	a at	1.72	0.00
<i>4932414K18Rik</i>	RIKEN cDNA 4932414K18 gene	1454730	at	1.72	0.00
---	---	1440253	at	1.72	0.00
<i>Ifrd1</i>	interferon-related developmental regulator 1	1416067	at	1.72	0.02
<i>Ptpr</i>	protein tyrosine phosphatase, receptor type, E	1418540	a at	1.72	0.01
<i>Smpd3b</i>	sphingomyelin phosphodiesterase, acid-like 3B	1417300	at	1.72	0.00
<i>Ints12</i>	integrator complex subunit 12	1452316	at	1.72	0.00
<i>Noc4</i>	nucleolar complex associated 4 homolog (S. cerevisiae)	1423826	at	1.72	0.00
<i>Psm8</i>	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	1444619	x at	1.72	0.00
<i>Klf6</i>	Kruppel-like factor 6	1447448	s at	1.72	0.01
<i>Col4a1</i>	procollagen, type IV, alpha 1	1452035	at	1.72	0.01
<i>Hgs</i>	HGF-regulated tyrosine kinase substrate	1416540	at	1.72	0.00
---	---	1456787	at	1.72	0.01
<i>Tsc22d1</i>	TSC22 domain family, member 1	1454971	x at	1.72	0.00
<i>Rsc1a1</i>	regulatory solute carrier protein, family 1, member 1	1435536	at	1.72	0.00
<i>Crbn</i>	cereblon	1423095	s at	1.72	0.00
<i>Pex12</i>	peroxisomal biogenesis factor 12	1416259	at	1.72	0.00
<i>Spon1</i>	spondin 1, (F-spondin) extracellular matrix protein	1424415	s at	1.72	0.00
<i>Anxa7</i>	annexin A7	1438764	at	1.72	0.00
<i>Eif4e3</i>	eukaryotic translation initiation factor 4E member 3	1417977	at	1.72	0.00
<i>Ahcy</i>	S-adenosylhomocysteine hydrolase	1417125	at	1.71	0.00
<i>Ypel3</i>	yippee-like 3 (Drosophila)	1426624	a at	1.71	0.00
<i>Bzw1</i>	basic leucine zipper and W2 domains 1	1423040	at	1.71	0.02
---	---	1430630	at	1.71	0.00
<i>1110012M11Rik</i>	RIKEN cDNA 1110012M11 gene	1455895	x at	1.71	0.00
<i>Ddx27</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27	1424161	at	1.71	0.00
<i>Plekhm1</i>	pleckstrin homology domain containing, family M (with RUN domain) member 1	1454746	at	1.71	0.00
<i>Ube2j1</i>	ubiquitin-conjugating enzyme E2, J1	1448824	at	1.71	0.00
<i>Tpd52</i>	tumor protein D52	1419493	a at	1.71	0.00
<i>Isg20l1</i>	interferon stimulated exonuclease gene 20-like 1	1450506	a at	1.71	0.00
<i>Bicd1</i>	bicaudal D homolog 1 (Drosophila)	1437548	at	1.71	0.07
<i>Rps6ka3</i>	ribosomal protein S6 kinase polypeptide 3	1427299	at	1.71	0.00
<i>Cltb</i>	clathrin, light polypeptide (Lcb)	1453063	at	1.71	0.00
<i>Akt3</i>	thymoma viral proto-oncogene 3	1435879	at	1.71	0.03
<i>0610011I04Rik</i>	RIKEN cDNA 0610011I04 gene	1441811	x at	1.71	0.00
<i>Nek7</i>	NIMA (never in mitosis gene a)-related expressed kinase 7	1448474	at	1.70	0.00
<i>Tbl1xr1</i>	transducin (beta)-like 1X-linked receptor 1	1455109	at	1.70	0.02
<i>Nfil3</i>	nuclear factor, interleukin 3, regulated	1418932	at	1.70	0.05
<i>Xbp1</i>	X-box binding protein 1	1420011	s at	1.70	0.00
<i>Oprs1</i>	Opioid receptor, sigma 1	1457324	at	1.70	0.00
<i>Ric8</i>	resistance to inhibitors of cholinesterase 8 homolog (C. elegans)	1455809	x at	1.70	0.00
<i>1700023B02Rik</i>	RIKEN cDNA 1700023B02 gene	1423375	at	1.70	0.01
<i>Dnajc3</i>	Dnaj (Hsp40) homolog, subfamily C, member 3	1449372	at	1.70	0.02
<i>Whdc1</i>	WAS protein homology region 2 domain containing 1	1436792	at	1.70	0.00
<i>Ddx58</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	1446457	at	1.70	0.00
<i>Masp1</i>	mannan-binding lectin serine peptidase 1	1425985	s at	1.70	0.00
<i>Tubb6</i>	tubulin, beta 6	1416431	at	1.70	0.02
<i>Nip7</i>	nuclear import 7 homolog (S. cerevisiae)	1448480	at	1.70	0.00
<i>H13</i>	histocompatibility 13	1417287	at	1.70	0.00
---	---	1447851	x at	1.70	0.00
<i>Ctla4</i>	cytotoxic T-lymphocyte-associated protein 4	1419334	at	1.70	0.01
<i>Serinc3</i>	serine incorporator 3	1417815	a at	1.70	0.00
<i>Creld2</i>	cysteine-rich with EGF-like domains 2	1452754	at	1.70	0.00
<i>Nsmce1</i>	non-SMC element 1 homolog (S. cerevisiae)	1436121	a at	1.70	0.00
<i>Fcgr3</i>	Fc receptor, IgG, low affinity III	1448620	at	1.70	0.00
<i>A1429214</i>	expressed sequence A1429214	1455199	at	1.70	0.00
<i>Cd47</i>	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	1419554	at	1.70	0.00
<i>RioK2</i>	RIO kinase 2 (yeast)	1423481	at	1.70	0.02
<i>9530028C05</i>	hypothetical protein 9530028C05	1436172	at	1.70	0.03
<i>Zfand2a</i>	zinc finger, AN1-type domain 2A	1415940	at	1.70	0.00
<i>Cdc42se1</i>	CDC42 small effector 1	1428132	at	1.70	0.00
<i>Anxa4</i>	annexin A4	1457658	x at	1.70	0.00
<i>Birc3</i>	baculoviral IAP repeat-containing 3	1425223	at	1.69	0.00
<i>Rdh10</i>	retinol dehydrogenase 10 (all-trans)	1426968	a at	1.69	0.03
<i>Slc31a2</i>	solute carrier family 31, member 2	1416654	at	1.69	0.00
<i>9130404D14Rik</i>	RIKEN cDNA 9130404D14 gene	1426812	a at	1.69	0.00
<i>Pfkfb3</i>	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	1456676	a at	1.69	0.02
<i>Psmc4</i>	proteasome (prosome, macropain) 26S subunit, ATPase, 4	1416291	at	1.69	0.00
<i>Rhoj</i>	ras homolog gene family, member J	1418892	at	1.69	0.10
<i>Ugcgl1</i>	UDP-glucose ceramide glucosyltransferase-like 1	1455839	at	1.69	0.00
<i>Nmt1</i>	N-methyltransferase 1	1415683	at	1.69	0.00

<i>Ccdc86</i>	coiled-coil domain containing 86	1452414 s at	1.69	0.00
<i>Ssh3</i>	slingshot homolog 3 (Drosophila)	1447929 at	1.69	0.00
<i>Gpr35</i>	G protein-coupled receptor 35	1449976 a at	1.69	0.00
<i>Thrap2</i>	thyroid hormone receptor associated protein 2	1434603 at	1.69	0.00
<i>D10Wsu52e</i>	DNA segment, Chr 10, Wayne State University 52, expressed	1423880 at	1.69	0.00
<i>Gpr56</i>	G protein-coupled receptor 56	1421118 a at	1.69	0.00
<i>Pilrb</i>	paired immunoglobulin-like type 2 receptor beta	1422041 at	1.69	0.02
<i>Rnmt</i>	RNA (guanine-7-) methyltransferase	1453106 a at	1.69	0.00
<i>Hook3</i>	hook homolog 3 (Drosophila)	1446737 a at	1.69	0.00
<i>Eif4ebp1</i>	eukaryotic translation initiation factor 4E binding protein 1	1417563 at	1.69	0.00
<i>Tor1aip2</i>	torsin A interacting protein 2	1435526 at	1.68	0.03
<i>Psm4</i>	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	1418874 a at	1.68	0.00
<i>Wdfy1</i>	WD repeat and FYVE domain containing 1	1424749 at	1.68	0.00
<i>Nubp2</i>	nucleotide binding protein 2	1416512 at	1.68	0.00
<i>Thumpd3</i>	THUMP domain containing 3	1417684 at	1.68	0.00
<i>Nat2</i>	N-acetyltransferase 2 (arylamine N-acetyltransferase)	1449981 a at	1.68	0.02
<i>Ankfy1</i>	ankyrin repeat and FYVE domain containing 1	1417685 at	1.68	0.00
<i>Marcks11 /// LOC673071</i>	MARCKS-like 1 /// similar to MARCKS-related protein (MARCKS-like protein 1) (Macrophage myristoylated alanine-rich C kinase substrate) (Mac-MARCKS) (MacMARCKS) (Brain protein F52)	1435627_x_at	1.68	0.00
<i>Il6st</i>	interleukin 6 signal transducer	1437303 at	1.68	0.02
<i>Atp10d</i>	ATPase, Class V, type 10D	1436544 at	1.68	0.00
<i>Sumf1</i>	sulfatase modifying factor 1	1424603 at	1.68	0.00
<i>Scyl3</i>	SCY1-like 3 (S. cerevisiae)	1428918 at	1.68	0.00
<i>Nras</i>	neuroblastoma ras oncogene	1422688 a at	1.68	0.00
<i>Malat1</i>	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	1436202 at	1.68	0.04
<i>Map2k3</i>	mitogen activated protein kinase kinase 3	1425456 a at	1.68	0.00
<i>Clu</i>	clusterin	1437458 x at	1.68	0.00
<i>Iga7</i>	integrin alpha 7	1418393 a at	1.68	0.00
<i>Fscn1</i>	fascin homolog 1, actin bundling protein (Strongylocentrotus purpuratus)	1416514 a at	1.68	0.01
<i>9030607L20Rik</i>	RIKEN cDNA 9030607L20 gene	1430103 at	1.68	0.00
<i>Carhsp1</i>	calcium regulated heat stable protein 1	1415975 at	1.68	0.00
<i>Card14</i>	caspase recruitment domain family, member 14	1450142 a at	1.68	0.03
<i>Slc11a2</i>	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	1452078 a at	1.67	0.00
<i>Trpv4</i>	transient receptor potential cation channel, subfamily V, member 4	1417545 at	1.67	0.00
<i>Ascc3</i>	activating signal cointegrator 1 complex subunit 3	1457069 at	1.67	0.02
<i>Gba</i>	glucosidase, beta, acid	1450099 a at	1.67	0.00
<i>Adams15</i>	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 15	1427056_at	1.67	0.02
<i>Med8</i>	mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)	1431423 a at	1.67	0.00
<i>Hamp2</i>	hepcidin antimicrobial peptide 2	1436643 x at	1.67	0.00
<i>Hrbl</i>	HIV-1 Rev binding protein-like	1437642 at	1.67	0.00
<i>Creb3</i>	cAMP responsive element binding protein 3	1424741 s at	1.67	0.00
<i>Tmem2</i>	transmembrane protein 2	1424711 at	1.67	0.02
<i>Timp4</i>	tissue inhibitor of metalloproteinase 4	1450974 at	1.67	0.03
<i>D3Ucla1</i>	DNA segment, Chr 3, University of California at Los Angeles 1	1415828 a at	1.67	0.00
<i>Ripk1</i>	receptor (TNFRSF)-interacting serine-threonine kinase 1	1419508 at	1.67	0.01
<i>Cd40</i>	CD40 antigen	1449473 s at	1.67	0.00
<i>Elf1</i>	E74-like factor 1	1417540 at	1.67	0.03
<i>Cxcl14</i>	chemokine (C-X-C motif) ligand 14	1418456 a at	1.67	0.00
<i>Sec61a1</i>	Sec61 alpha 1 subunit (S. cerevisiae)	1434986 a at	1.67	0.00
---	Transcribed locus	1442634 at	1.66	0.02
<i>Npm1</i>	nucleophosmin 1	1432416 a at	1.66	0.00
<i>Rhobtb1</i>	Rho-related BTB domain containing 1	1429206 at	1.66	0.00
---	---	1439956 at	1.66	0.00
<i>C330023M02Rik</i>	RIKEN cDNA C330023M02 gene	1433766 at	1.66	0.00
<i>Phc2</i>	polyhomeotic-like 2 (Drosophila)	1437239 x at	1.66	0.00
<i>Pcqp</i>	positive cofactor 2, multiprotein complex, glutamine/Q-rich-associated protein	1448435 at	1.66	0.00
<i>Sup39h1</i>	suppressor of variegation 3-9 homolog 1 (Drosophila)	1427382 a at	1.66	0.00
<i>Kars /// LOC631033</i>	lysyl-tRNA synthetase /// similar to lysyl-tRNA synthetase	1416068 at	1.66	0.00
<i>Snrpa1</i>	small nuclear ribonucleoprotein polypeptide A'	1417353 x at	1.66	0.00
<i>EfnA5</i>	ephrin A5	1436866 at	1.66	0.01
<i>Rit1</i>	Ras-like without CAAX 1	1420540 a at	1.66	0.00
<i>Ubqln1</i>	ubiquilin 1	1419385 a at	1.66	0.00
<i>Clu</i>	clusterin	1454849 x at	1.66	0.00
<i>Glul</i>	glutamate-ammonia ligase (glutamine synthetase)	1426236 a at	1.66	0.00
<i>1110007L15Rik</i>	RIKEN cDNA 1110007L15 gene	1451700 a at	1.66	0.00
<i>RP23-14F5.7</i>	hypothetical gene Rp23-14F5.7	1425728 at	1.66	0.02
<i>Cotl1</i>	coactosin-like 1 (Dictyostelium)	1436838 x at	1.66	0.06
<i>Gna13</i>	guanine nucleotide binding protein, alpha 13	1422555 s at	1.66	0.03
<i>4930535B03Rik</i>	RIKEN cDNA 4930535B03 gene	1434817 s at	1.66	0.01
<i>Zfp313</i>	zinc finger protein 313	1455975 x at	1.66	0.00
<i>BB114266</i>	expressed sequence BB114266	1440890 a at	1.66	0.00
<i>6430710C18Rik</i>	RIKEN cDNA 6430710C18 gene	1431559 at	1.66	0.00
<i>Ddi2</i>	DNA-damage inducible protein 2	1429094 at	1.66	0.14
<i>Tmed5</i>	transmembrane emp24 protein transport domain containing 5	1424573 at	1.66	0.02
<i>Rpl3 /// LOC242809 /// LOC433745 /// LOC545864 /// LOC635340 /// LOC668219 /// LOC669672 /// LOC670435 /// LOC670753 /// LOC674810 /// LOC674874</i>	ribosomal protein L3 /// similar to 60S ribosomal protein L3 (J1 protein) /// similar to 60S ribosomal protein L3 (L4) /// similar to 60S ribosomal protein L3 (J1 protein) /// similar to 60S ribosomal protein L3 (L4) /// similar to ribosomal protein L3 isoform b /// similar to 60S ribosomal protein L3 (J1 protein) /// similar to 60S ribosomal protein L3 (J1 protein) /// similar to 60S ribosomal protein L3 (J1 protein) /// similar to 60S ribosomal protein L3 (J1 protein) /// similar to 60S ribosomal protein L3 (J1 protein) /// similar to ribosomal protein L3 isoform b	1438527_at	1.66	0.01
<i>Ptpn1</i>	protein tyrosine phosphatase, non-receptor type 1	1417068 a at	1.65	0.00
<i>D17Wsu104e</i>	DNA segment, Chr 17, Wayne State University 104, expressed	1448440 x at	1.65	0.00
<i>0610012D09Rik</i>	RIKEN cDNA 0610012D09 gene	1417710 at	1.65	0.01
<i>Lrrc16</i>	leucine rich repeat containing 16	1451804 a at	1.65	0.00
<i>Ifi57</i>	intraflagellar transport 57 homolog (Chlamydomonas)	1418929 at	1.65	0.00
<i>Uck2</i>	uridine-cytidine kinase 2	1457980 x at	1.65	0.00
<i>Wdr1</i>	WD and tetraatricopeptide repeats 1	1434560 at	1.65	0.00
<i>Slc25a25</i>	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	1424735 at	1.65	0.02
<i>Psen1</i>	presenilin 1	1450399 at	1.65	0.00
<i>Rasl10b</i>	RAS-like, family 10, member B	1433566 at	1.65	0.00
<i>Limd2 /// LOC632329</i>	LIM domain containing 2 /// similar to epithelial protein lost in neoplasm	1456377 x at	1.65	0.04
---	---	1456209 x at	1.65	0.00
<i>Pmm1</i>	phosphomannomutase 1	1424167 a at	1.65	0.01
<i>Trip4</i>	thyroid hormone receptor interactor 4	1422857 at	1.65	0.00
<i>0610012D09Rik</i>	RIKEN cDNA 0610012D09 gene	1438171 x at	1.65	0.02

<i>Masp1</i>	mannan-binding lectin serine peptidase 1	1438602 s_at	1.65	0.00
<i>Mmp14</i>	matrix metalloproteinase 14 (membrane-inserted)	1416572 at	1.65	0.00
<i>D13Wsu50e</i>	DNA segment, Chr 13, Wayne State University 50, expressed	1448295 at	1.65	0.00
<i>Ormdl2</i>	ORM1-like 2 (S. cerevisiae)	1424235 at	1.65	0.00
<i>Grb2</i>	growth factor receptor bound protein 2	1449111 a_at	1.64	0.00
<i>4632417K18Rik</i>	RIKEN cDNA 4632417K18 gene	1422628 at	1.64	0.02
<i>Plekhe1</i>	pleckstrin homology domain containing, family G (with RhoGef domain) member 1	1435363 at	1.64	0.02
<i>Prr13</i>	proline rich 13	1423686 a_at	1.64	0.00
<i>Hnrpa1</i>	heterogeneous nuclear ribonucleoprotein A1	1430020 x_at	1.64	0.00
<i>Ifnar2</i>	interferon (alpha and beta) receptor 2	1440169 x_at	1.64	0.00
<i>Zc3hav1</i>	zinc finger CCCH type, antiviral 1	1428378 at	1.64	0.00
<i>Rtn4</i>	reticulon 4	1452649 at	1.64	0.00
<i>9230106B05Rik</i>	RIKEN cDNA 9230106B05 gene	1438805 at	1.64	0.03
<i>Rap1b</i>	RAS related protein 1b	1455349 at	1.64	0.07
<i>G6pdx</i>	glucose-6-phosphate dehydrogenase X-linked	1448354 at	1.64	0.00
<i>Xbp1</i>	X-box binding protein 1	1437223 s_at	1.64	0.00
<i>Dhx40</i>	DEAH (Asp-Glu-Ala-His) box polypeptide 40	1428267 at	1.64	0.00
<i>Zfyve27</i>	zinc finger, FYVE domain containing 27	1424550 at	1.64	0.00
<i>B230312A22Rik</i>	RIKEN cDNA B230312A22 gene	1434059 at	1.64	0.00
<i>Traf1</i>	Tnf receptor-associated factor 1	1445452 at	1.64	0.00
<i>Pefl</i>	penta-EF hand domain containing 1	1448644 at	1.64	0.00
<i>Ms4a4d</i>	membrane-spanning 4-domains, subfamily A, member 4D	1418990 at	1.64	0.02
<i>Uap1</i>	UDP-N-acetylglucosamine pyrophosphorylase 1	1416745 x_at	1.64	0.02
<i>Parp3</i>	poly (ADP-ribose) polymerase family, member 3	1445888 x_at	1.64	0.00
<i>Lrp1</i>	low density lipoprotein receptor-related protein 1	1442849 at	1.64	0.00
<i>D10Erd438e</i>	DNA segment, Chr 10, ERATO Doi 438, expressed	1460563 at	1.64	0.05
<i>Nol5</i>	nucleolar protein 5	1450986 at	1.64	0.07
<i>Tpbp</i>	trophoblast glycoprotein	1423310 at	1.64	0.00
<i>Armet</i>	arginine-rich, mutated in early stage tumors	1428112 at	1.64	0.00
<i>Lrrc8a</i>	leucine rich repeat containing 8A	1434694 at	1.64	0.00
<i>Cp</i>	ceruloplasmin	1417497 at	1.63	0.00
<i>Heatr1</i>	HEAT repeat containing 1	1437965 at	1.63	0.00
<i>Gcnt2</i>	glucosaminyl (N-acetyl) transferase 2, 1-branching enzyme	1451733 at	1.63	0.02
<i>Agrap</i>	angiotensin II type I receptor-associated protein	1422965 at	1.63	0.00
<i>Fbxo6b</i>	F-box only protein 6b	1417501 at	1.63	0.00
<i>Ankrd1</i>	ankyrin repeat domain 1 (cardiac muscle)	1420992 at	1.63	0.00
<i>Ibrdc2</i>	IBR domain containing 2	1439153 at	1.63	0.00
<i>Hnrpa1</i> /// LOC225307 /// LOC434858 /// LOC654467 /// LOC665646	heterogeneous nuclear ribonucleoprotein A1 /// heterogeneous nuclear ribonucleoprotein A1 pseudogene /// heterogeneous nuclear ribonucleoprotein A1 pseudogene /// pseudo /// similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein) (hnRNP core protein A1) (HDP-1) (Topoisomerase-inhibitor suppressed)	1430019_a_at	1.63	0.00
<i>Slc11a2</i>	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	1426441 at	1.63	0.03
<i>Bzw1</i>	basic leucine zipper and W2 domains 1	1450845 a_at	1.63	0.02
<i>Wdr32</i>	WD repeat domain 32	1438727 at	1.63	0.00
<i>Nme1</i>	expressed in non-metastatic cells 1, protein	1424110 a_at	1.63	0.02
<i>Bac1a</i>	bromodomain adjacent to zinc finger domain 1A	1433599 at	1.63	0.00
<i>Tegt</i>	testis enhanced gene transcript	1451586 at	1.63	0.00
<i>Caenb2</i>	Calcium channel, voltage-dependent, beta 2 subunit	1446632 at	1.63	0.00
<i>Emb</i>	embigin	1415856 at	1.63	0.00
<i>Tbc1d1</i>	TBC1 domain family, member 1	1447016 at	1.63	0.02
<i>Zfp281</i>	zinc finger protein 281	1452045 at	1.63	0.00
<i>Synpo</i>	synaptopodin	1434089 at	1.63	0.00
<i>Libr</i>	lymphotoxin B receptor	1416435 at	1.63	0.00
<i>Rbed1</i>	RNA binding motif and ELMO domain 1	1436695 x_at	1.63	0.00
<i>LOC627232</i> /// LOC627424 /// <i>Nrbf2</i>	similar to nuclear receptor binding factor 2 /// similar to nuclear receptor binding factor 2 /// nuclear receptor binding factor 2	1448758_at	1.63	0.01
<i>Npc2</i>	Niemann Pick type C2	1448513 a_at	1.63	0.00
<i>Ppp1r3d</i>	protein phosphatase 1, regulatory subunit 3D	1452922 at	1.62	0.00
<i>Ppp1r3g</i>	protein phosphatase 1, regulatory (inhibitor) subunit 3G	1428923 at	1.62	0.02
<i>Gpr36</i>	G protein-coupled receptor 36	1433485 x_at	1.62	0.00
<i>Syk</i>	Spleen tyrosine kinase	1457239 at	1.62	0.04
<i>Raph1</i>	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1	1434303 at	1.62	0.03
<i>Pcdc6ip</i>	programmed cell death 6 interacting protein	1449674 s_at	1.62	0.00
<i>Limd1</i>	LIM domains containing 1	1422730 at	1.62	0.00
<i>Gna13</i>	Guanine nucleotide binding protein, alpha 13	1446722 at	1.62	0.01
---	---	1428891 at	1.62	0.03
<i>Schip1</i>	Schwannomin interacting protein 1	1458588 at	1.62	0.08
<i>5730411F24Rik</i>	RIKEN cDNA 5730411F24 gene	1430470 at	1.62	0.00
<i>1190002C06Rik</i>	RIKEN cDNA 1190002C06 gene	1424058 at	1.62	0.00
<i>4933412E12Rik</i>	RIKEN cDNA 4933412E12 gene	1429422 at	1.62	0.00
<i>2610002J02Rik</i>	RIKEN cDNA 2610002J02 gene	1456310 a_at	1.62	0.00
<i>Mgea5</i>	meningioma expressed antigen 5 (hyaluronidase)	1422900 at	1.62	0.00
<i>Mar-01</i>	membrane-associated ring finger (C3HC4) 1	1434955 at	1.62	0.00
<i>Wdr26</i>	WD repeat domain 26	1423962 at	1.62	0.02
<i>Wdr43</i>	WD repeat domain 43	1428389 s_at	1.61	0.00
<i>1110012M11Rik</i>	RIKEN cDNA 1110012M11 gene	1437043 a_at	1.61	0.00
<i>Ptgs2</i>	prostaglandin-endoperoxide synthase 2	1417262 at	1.61	0.02
<i>Mustn1</i>	musculoskeletal, embryonic nuclear protein 1	1427201 at	1.61	0.00
<i>D2Bwg1335e</i>	DNA segment, Chr 2, Brigham & Women's Genetics 1335 expressed	1435528 at	1.61	0.00
---	---	1441177 at	1.61	0.01
<i>Nco7</i>	nuclear receptor coactivator 7	1454809 at	1.61	0.01
<i>Ccdc104</i>	coiled-coil domain containing 104	1451442 at	1.61	0.00
<i>Pik3c3</i>	phosphoinositide-3-kinase, class 3	1425580 a_at	1.61	0.00
<i>H47</i>	histocompatibility 47	1435735 x_at	1.61	0.02
<i>Lass6</i>	longevity assurance homolog 6 (S. cerevisiae)	1434418 at	1.61	0.00
<i>Fkbp10</i>	FK506 binding protein 10	1449632 s_at	1.61	0.00
<i>Chmp4b</i>	chromatin modifying protein 4B	1451988 s_at	1.61	0.01
<i>Yps54</i>	vacuolar protein sorting 54 (yeast)	1418479 at	1.61	0.04
<i>Prkce</i>	protein kinase C, epsilon	1437861 s_at	1.61	0.01
<i>Ctdp1</i>	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1	1452697_at	1.61	0.01
<i>4930504E06Rik</i>	RIKEN cDNA 4930504E06 gene	1426655 a_at	1.61	0.00
<i>Stc1</i>	stanniocalcin 1	1450448 at	1.61	0.00
<i>Ube2e2</i>	Ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast)	1447025 at	1.61	0.02
<i>Tmem49</i>	transmembrane protein 49	1423722 at	1.61	0.00
---	Transcribed locus	1436697 at	1.61	0.00

<i>1810059G22Rik</i>	RIKEN cDNA 1810059G22 gene	1449842 at	1.61	0.00
<i>Slco3a1</i>	solute carrier organic anion transporter family, member 3a1	1434537 at	1.61	0.00
<i>Seh1</i>	SEH1-like (S. cerevisiae)	1424200 s at	1.61	0.02
<i>Grp1</i>	glycine/arginine rich protein 1	1429843 at	1.61	0.00
<i>Fst</i>	folliculin	1421365 at	1.61	0.02
<i>Psm14</i>	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	1446521 at	1.61	0.00
<i>Nuak2</i>	NUAK family, SNF1-like kinase, 2	1429049 at	1.61	0.00
<i>BC027231</i>	cDNA sequence BC027231	1451439 at	1.60	0.00
<i>Gmns</i>	GDP-mannose 4, 6-dehydratase	1434158 at	1.60	0.00
<i>Zfand2a</i>	zinc finger, AN1-type domain 2A	1415941 s at	1.60	0.00
<i>Ttc9c</i>	tetratricopeptide repeat domain 9C	1443948 at	1.60	0.01
<i>Tnip2</i>	TNFAIP3 interacting protein 2	1419488 at	1.60	0.00
<i>D11Wsu47e</i>	DNA segment, Chr 11, Wayne State University 47, expressed	1452805 at	1.60	0.00
<i>Glis3</i>	GLIS family zinc finger 3	1443253 at	1.60	0.01
<i>Ranbp9</i>	RAN binding protein 9	1456199 x at	1.60	0.00
<i>4933412E12Rik</i>	RIKEN cDNA 4933412E12 gene	1447711 x at	1.60	0.00
<i>1810031K17Rik</i>	RIKEN cDNA 1810031K17 gene	1427879 at	1.60	0.00
<i>Ppil2</i>	peptidylprolyl isomerase (cyclophilin)-like 2	1452920 a at	1.60	0.00
<i>Sik19</i>	serine/threonine kinase 19	1417334 at	1.60	0.00
<i>Ptpn12</i>	protein tyrosine phosphatase, non-receptor type 12	1422045 a at	1.60	0.04
<i>Psmc1</i>	protease (prosome, macropain) 26S subunit, ATPase 1	1416005 at	1.60	0.00
<i>Pdlim7</i>	PDZ and LIM domain 7	1428319 at	1.60	0.02
<i>Nploc4</i>	nuclear protein localization 4 homolog (S. cerevisiae)	1454804 at	1.60	0.00
<i>Mcrs1 /// LOC433780 /// LOC666215</i>	microspherule protein 1 /// similar to Microspherule protein 1 (58 kDa microspherule protein) /// similar to Microspherule protein 1 (58 kDa microspherule protein)	1416535 at	1.60	0.00
<i>Ripk1</i>	receptor (TNFRSF)-interacting serine-threonine kinase 1	1449485 at	1.60	0.00
<i>Sfp1</i>	SFFV proviral integration 1	1418747 at	1.60	0.04
<i>Lipe</i>	lipase, hormone sensitive	1422820 at	1.60	0.00
<i>Med9</i>	mediator of RNA polymerase II transcription, subunit 9 homolog (yeast)	1449448 at	1.60	0.00
<i>Ube2d3</i>	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	1455479 a at	1.59	0.01
<i>Edem2</i>	ER degradation enhancer, mannosidase alpha-like 2	1423695 at	1.59	0.00
<i>Cyld</i>	cylindromatosis (turban tumor syndrome)	1429618 at	1.59	0.03
<i>Dlgap4</i>	discs, large homolog-associated protein 4 (Drosophila)	1426465 at	1.59	0.01
<i>Parva</i>	parvin, alpha	1416818 at	1.59	0.00
<i>Dok1</i>	docking protein 1	1417790 at	1.59	0.00
<i>Arl4a</i>	ADP-ribosylation factor-like 4A	1435092 at	1.59	0.02
<i>BC021438</i>	cDNA sequence BC021438	1424788 at	1.59	0.00
<i>Sec61a1</i>	Sec61 alpha 1 subunit (S. cerevisiae)	1416191 at	1.59	0.00
<i>Acp2</i>	acid phosphatase 2, lysosomal	1424654 at	1.59	0.02
<i>Psm14</i>	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	1459734 at	1.59	0.03
<i>Sh2d3c</i>	SH2 domain containing 3C	1415886 at	1.59	0.00
<i>Car13</i>	carbonic anhydrase 13	1421308 at	1.59	0.00
<i>Serine3</i>	serine incorporator 3	1455550 x at	1.59	0.00
<i>Eif4e2</i>	eukaryotic translation initiation factor 4E member 2	1421985 a at	1.59	0.00
<i>Cd40</i>	CD40 antigen	1460415 a at	1.59	0.00
<i>Mical1</i>	microtubule associated monooxygenase, calponin and LIM domain containing 1	1456439 x at	1.59	0.01
<i>Tgfb2</i>	transforming growth factor, beta 2	1423250 a at	1.59	0.10
<i>0610040B10Rik</i>	RIKEN cDNA 0610040B10 gene	1456161 at	1.59	0.00
<i>Prkar1b</i>	protein kinase, cAMP dependent regulatory, type I beta	1434325 x at	1.59	0.00
<i>Cmya1</i>	cardiomyopathy associated 1	1419220 at	1.59	0.00
<i>Cttn</i>	cortactin	1421313 s at	1.59	0.01
<i>Rnf149</i>	ring finger protein 149	1429321 at	1.59	0.00
<i>Marcks11</i>	MARCKS-like 1	1415922 s at	1.59	0.02
<i>1110008P14Rik</i>	RIKEN cDNA 1110008P14 gene	1459890 s at	1.59	0.00
<i>Prpf6</i>	PRP6 pre-mRNA splicing factor 6 homolog (yeast)	1454789 x at	1.59	0.01
<i>Supt4h1 /// Supt4h2</i>	suppressor of Ty 4 homolog 1 (S. cerevisiae) /// suppressor of Ty 4 homolog 2 (S. cerevisiae)	1422418_s_at	1.59	0.00
<i>Arid5b</i>	AT rich interactive domain 5B (Mrf1 like)	1442176 at	1.59	0.01
<i>Ssr1 /// LOC636537</i>	signal sequence receptor, alpha /// similar to signal sequence receptor, alpha	1417764 at	1.59	0.00
<i>2410018G20Rik</i>	RIKEN cDNA 2410018G20 gene	1452591 a at	1.59	0.00
<i>Mocs3</i>	molybdenum cofactor synthesis 3	1428924 at	1.59	0.00
<i>Baz1a</i>	bromodomain adjacent to zinc finger domain 1A	1447930 at	1.59	0.02
<i>A1662270</i>	expressed sequence A1662270	1434068 s at	1.59	0.02
<i>Adipor2</i>	adiponectin receptor 2	1434329 s at	1.59	0.00
<i>Hrasl3</i>	HRAS like suppressor 3	1445597 s at	1.59	0.00
<i>Oact5</i>	O-acyltransferase (membrane bound) domain containing 5	1423960 at	1.58	0.00
<i>C730025P13Rik</i>	RIKEN cDNA C730025P13 gene	1426277 at	1.58	0.00
<i>Wdr46</i>	WD repeat domain 46	1437828 s at	1.58	0.00
<i>Sec23b</i>	SEC23B (S. cerevisiae)	1416059 at	1.58	0.03
<i>Rpo1-3</i>	RNA polymerase 1-3	1451120 at	1.58	0.00
<i>Chka</i>	choline kinase alpha	1450264 a at	1.58	0.00
<i>Elov11</i>	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1	1456530 x at	1.58	0.00
<i>C230035I16Rik</i>	RIKEN cDNA C230035I16 gene	1458976 at	1.58	0.00
<i>Carhsp1</i>	calcium regulated heat stable protein 1	1415976 a at	1.58	0.00
<i>Ezh1</i>	enhancer of zeste homolog 1 (Drosophila)	1418290 a at	1.58	0.00
<i>Pi4k2a</i>	phosphatidylinositol 4-kinase type 2 alpha	1454605 a at	1.58	0.01
<i>E430034L04Rik</i>	RIKEN cDNA E430034L04 gene	1415697 at	1.58	0.02
<i>Limk1</i>	LIM-domain containing, protein kinase	1417627 a at	1.58	0.00
<i>Pdia6</i>	protein disulfide isomerase associated 6	1423648 at	1.58	0.00
<i>Mmp19</i>	matrix metalloproteinase 19	1421977 at	1.58	0.02
<i>5033414D02Rik</i>	RIKEN cDNA 5033414D02 gene	1460361 at	1.58	0.00
<i>A1413582</i>	expressed sequence A1413582	1452599 s at	1.58	0.00
<i>Psmc4</i>	proteasome (prosome, macropain) 26S subunit, ATPase, 4	1416290 a at	1.58	0.00
<i>Rnf113a2</i>	ring finger protein 113A2	1428415 at	1.58	0.00
<i>Ufd11</i>	ubiquitin fusion degradation 1 like	1432367 a at	1.58	0.00
<i>Map2k1</i>	mitogen activated protein kinase kinase 1	1416351 at	1.57	0.02
<i>Ttc9c</i>	tetratricopeptide repeat domain 9C	1434001 at	1.57	0.04
<i>Obfc1</i>	oligonucleotide/oligosaccharide-binding fold containing 1	1434737 at	1.57	0.00
<i>Arid5b</i>	AT rich interactive domain 5B (Mrf1 like)	1456973 at	1.57	0.01
<i>Hnrpa1</i>	heterogeneous nuclear ribonucleoprotein A1	1436549 a at	1.57	0.00
<i>Elov11</i>	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1	1455994 x at	1.57	0.00
<i>F11r</i>	F11 receptor	1424595 at	1.57	0.00
<i>Ube4a</i>	ubiquitination factor E4A, UFD2 homolog (S. cerevisiae)	1437747 at	1.57	0.00
<i>2510048O06Rik</i>	RIKEN cDNA 2510048O06 gene	1416979 at	1.57	0.00
<i>4930504E06Rik</i>	RIKEN cDNA 4930504E06 gene	1437046 x at	1.57	0.00
<i>Tln1</i>	talin 1	1436042 at	1.57	0.00
<i>Ncf1</i>	neutrophil cytosolic factor 1	1451767 at	1.57	0.01

<i>Enpp4</i>	ectonucleotide pyrophosphatase/phosphodiesterase 4	1434580 at	1.57	0.02
<i>2500002L14Rik</i>	RIKEN cDNA 2500002L14 gene	1423729 a at	1.57	0.00
<i>Ctdsp2</i>	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	1423660 at	1.57	0.02
<i>Lvl1</i>	LTV1 homolog (S. cerevisiae)	1426813 at	1.57	0.04
<i>1500032H18Rik</i>	RIKEN cDNA 1500032H18 gene	1439261 x at	1.57	0.00
<i>Rff1</i>	ring finger and FYVE like domain containing protein	1434432 at	1.57	0.03
<i>Sellh</i>	Sell (suppressor of lin-12) 1 homolog (C. elegans)	1425187 at	1.57	0.00
<i>BC060631</i>	cDNA sequence BC060631	1434381 at	1.57	0.01
<i>2310024N18Rik</i>	RIKEN cDNA 2310024N18 gene	1453482 at	1.57	0.00
<i>Sxtp3a</i>	syntaxin binding protein 3A	1416653 at	1.57	0.01
<i>Lrch1</i>	leucine-rich repeats and calponin homology (CH) domain containing 1	1442502 at	1.57	0.00
---	---	1452870 at	1.57	0.00
<i>Trib3</i>	tribbles homolog 3 (Drosophila)	1456225 x at	1.57	0.00
<i>Zfp568</i>	zinc finger protein 568	1435091 at	1.57	0.02
<i>Pigl</i>	Phosphatidylinositol glycan, class L	1440965 at	1.56	0.02
<i>2610208M17Rik</i>	RIKEN cDNA 2610208M17 gene	1460345 at	1.56	0.00
<i>Cdh22</i>	cadherin 22	1424767 at	1.56	0.00
<i>Noc4l</i>	nucleolar complex associated 4 homolog (S. cerevisiae)	1423827 s at	1.56	0.00
<i>Fem1b</i>	feminization 1 homolog b (C. elegans)	1418324 at	1.56	0.00
<i>Casp1</i>	caspase 1	1449265 at	1.56	0.00
<i>Lgi2</i>	leucine-rich repeat LGI family, member 2	1457040 at	1.56	0.00
<i>Srm</i>	spermidine synthase	1421260 a at	1.56	0.00
<i>Abhd4</i>	abhydrolase domain containing 4	1416315 at	1.56	0.00
<i>Ufm1</i>	ubiquitin-fold modifier 1	1449263 at	1.56	0.00
<i>2410001C21Rik</i>	RIKEN cDNA 2410001C21 gene	1460362 at	1.56	0.00
<i>Vrk3</i>	vaccinia related kinase 3	1418121 at	1.56	0.00
<i>Psm11</i>	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11	1456059 at	1.56	0.00
<i>Tmem34</i>	transmembrane protein 34	1426628 at	1.56	0.03
<i>Rab34</i>	RAB34, member of RAS oncogene family	1416591 at	1.56	0.00
<i>Dapk1</i>	death associated protein kinase 1	1426915 at	1.56	0.00
<i>Sqstm1</i>	sequestosome 1	1450957 a at	1.56	0.00
<i>1500034J01Rik</i>	RIKEN cDNA 1500034J01 gene	1429038 at	1.56	0.00
<i>9030619P08Rik</i>	RIKEN cDNA 9030619P08 gene	1443889 at	1.56	0.00
<i>Shc1</i>	src homology 2 domain-containing transforming protein C1	1422854 at	1.56	0.00
<i>Kcna1</i>	Potassium voltage-gated channel, subfamily Q, member 1	1459443 at	1.56	0.05
<i>Snf1lk2</i>	SNF1-like kinase 2	1457276 at	1.56	0.00
<i>Ubx2</i>	UBX domain containing 2	1426486 at	1.56	0.00
<i>5730403M16Rik</i>	RIKEN cDNA 5730403M16 gene	1434343 at	1.56	0.00
<i>Ipo4</i>	importin 4	1436420 a at	1.56	0.00
<i>1110059G10Rik</i>	RIKEN cDNA 1110059G10 gene	1418048 at	1.55	0.03
<i>Lhx6</i>	LIM homeobox protein 6	1425094 a at	1.55	0.01
<i>Ifnar2</i>	interferon (alpha and beta) receptor 2	1451462 a at	1.55	0.00
<i>Hk3</i>	hexokinase 3	1442798 x at	1.55	0.02
<i>Camkk2</i>	calcium/calmodulin-dependent protein kinase kinase 2, beta	1424475 at	1.55	0.00
<i>Timeless</i>	timeless homolog (Drosophila)	1417586 at	1.55	0.01
---	Transcribed locus	1439616 at	1.55	0.02
<i>Thrap2</i>	thyroid hormone receptor associated protein 2	1434602 at	1.55	0.00
<i>Wdr45</i>	WD repeat domain 45	1424786 s at	1.55	0.00
---	---	1458703 at	1.55	0.02
<i>Igf3</i>	insulin-like growth factor binding protein 3	1423062 at	1.55	0.00
<i>Abce1</i>	ATP-binding cassette, sub-family E (OABP), member 1	1416014 at	1.55	0.01
<i>Slc35a2</i>	solute carrier family 35 (UDP-galactose transporter), member 2	1439433 s at	1.55	0.00
<i>Col4a2</i>	procollagen, type IV, alpha 2	1424051 at	1.55	0.00
<i>Nsun2</i>	NOL1/NOP2/Sun domain family 2	1423850 at	1.55	0.00
<i>Zfp496</i>	zinc finger protein 496	1434088 at	1.55	0.00
<i>5430411K18Rik</i>	RIKEN cDNA 5430411K18 gene	1428419 at	1.55	0.01
<i>Lig3</i>	ligase III, DNA, ATP-dependent	1425865 a at	1.55	0.00
<i>Sap30bp</i>	SAP30 binding protein	1449295 at	1.55	0.00
<i>Rabgef1</i>	RAB guanine nucleotide exchange factor (GEF) 1	1419067 a at	1.55	0.00
<i>Lrch1</i>	leucine-rich repeats and calponin homology (CH) domain containing 1	1438032 at	1.54	0.04
<i>4930504E06Rik</i>	RIKEN cDNA 4930504E06 gene	1426656 at	1.54	0.00
<i>C430014M02Rik</i>	RIKEN cDNA C430014M02 gene	1455339 at	1.54	0.00
<i>Actn1</i>	actinin, alpha 1	1452415 at	1.54	0.03
<i>Snape4</i>	small nuclear RNA activating complex, polypeptide 4	1455552 at	1.54	0.00
<i>Rcn1</i>	reticulocalbin 1	1417090 at	1.54	0.02
---	CDNA clone MGC:107680 IMAGE:6766535	1436530 at	1.54	0.02
<i>Rbm13</i>	RNA binding motif protein 13	1426426 at	1.54	0.00
<i>Snrpa1</i>	small nuclear ribonucleoprotein polypeptide A'	1417352 s at	1.54	0.00
<i>Lsg1</i>	large subunit GTPase 1 homolog (S. cerevisiae)	1437630 at	1.54	0.00
<i>Pard6b</i>	par-6 (partitioning defective 6) homolog beta (C. elegans)	1423175 s at	1.54	0.00
<i>Etf1</i>	eukaryotic translation termination factor 1	1420023 at	1.54	0.00
<i>Zfp217</i>	zinc finger protein 217	1437414 at	1.54	0.01
<i>D10Wsu52e</i>	DNA segment, Chr 10, Wayne State University 52, expressed	1420129 s at	1.54	0.00
<i>Stam2</i>	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2	1416974 at	1.53	0.02
<i>A1848100</i>	expressed sequence A1848100	1455133 s at	1.53	0.01
<i>Eef2k</i>	eukaryotic elongation factor-2 kinase	1437829 s at	1.53	0.02
<i>Rab10</i>	RAB10, member RAS oncogene family	1422664 at	1.53	0.00
<i>Socs1</i>	suppressor of cytokine signaling 1	1440047 at	1.53	0.02
<i>Slc35b3</i>	solute carrier family 35, member B3	1448937 at	1.53	0.01
<i>Gtpp4</i>	GTP binding protein 4	1450873 at	1.53	0.00
<i>Ubb /// Gm1821</i>	ubiquitin B /// gene model 1821, (NCBI)	1453723 x at	1.53	0.00
<i>4933421E11Rik</i>	RIKEN cDNA 4933421E11 gene	1428162 at	1.53	0.10
<i>Pabpc1</i>	poly A binding protein, cytoplasmic 1	1418883 a at	1.53	0.00
<i>1110014J01Rik</i>	RIKEN cDNA 1110014J01 gene	1448141 at	1.53	0.00
<i>Abi1</i>	abl-interactor 1	1450890 a at	1.53	0.10
<i>Itgb1</i>	integrin beta 1 (fibronectin receptor beta)	1452545 a at	1.53	0.07
<i>C530014P21Rik</i>	RIKEN cDNA C530014P21 gene	1441577 at	1.53	0.02
---	---	1422687 at	1.53	0.00
<i>Malt1</i>	mucosa associated lymphoid tissue lymphoma translocation gene 1	1456126 at	1.53	0.01
<i>Coasy</i>	Coenzyme A synthase	1443829 x at	1.53	0.02
<i>Mcm6</i>	minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae)	1438852 x at	1.53	0.02
<i>Ccbp2</i>	chemokine binding protein 2	1437937 at	1.53	0.03
<i>Arpc5</i>	actin related protein 2/3 complex, subunit 5	1448129 at	1.53	0.00
<i>Flnb</i>	filamin, beta	1426750 at	1.53	0.01
<i>Mki67ip</i>	Mki67 (FHA domain) interacting nucleolar phosphoprotein	1424001 at	1.53	0.00
<i>2610028H24Rik</i>	RIKEN cDNA 2610028H24 gene	1453919 at	1.53	0.00
<i>AV025504</i>	Expressed sequence AV025504	1433898 at	1.53	0.01

<i>Nras</i>	neuroblastoma ras oncogene	1454060 a at	1.53	0.02
<i>Inhbb</i>	inhibin beta-B	1426859 at	1.53	0.02
<i>Picalm</i>	phosphatidylinositol binding clathrin assembly protein	1451316 a at	1.53	0.01
<i>Ypel5</i>	vipee-like 5 (Drosophila)	1451196 at	1.53	0.00
<i>Gngt2</i>	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2	1428733 at	1.53	0.00
<i>Tom1 // LOC545878</i>	target of myb1 homolog (chicken) // similar to TOM1	1431188 a at	1.53	0.01
<i>Rpl23</i>	ribosomal protein L23	1422859 a at	1.53	0.00
<i>Tpm4</i>	tropomyosin 4	1433883 at	1.53	0.02
<i>Rab11a</i>	RAB11a, member RAS oncogene family	1449256 a at	1.53	0.00
<i>Snora65</i>	small nucleolar RNA, H/ACA box 65	1435655 at	1.53	0.01
<i>D17Wsu104e</i>	DNA segment, Chr 17, Wayne State University 104, expressed	1448439 at	1.52	0.02
<i>1700066J24Rik</i>	RIKEN cDNA 1700066J24 gene	1436150 at	1.52	0.02
<i>Heatr1</i>	HEAT repeat containing 1	1424522 at	1.52	0.00
<i>A530088H08Rik</i>	RIKEN cDNA A530088H08 gene	1447493 at	1.52	0.07
<i>Prep</i>	prolyl endopeptidase	1439942 at	1.52	0.03
<i>Phc2</i>	polyhomeotic-like 2 (Drosophila)	1416048 at	1.52	0.01
<i>Eif3s1</i>	eukaryotic translation initiation factor 3, subunit 1 alpha	1426395 s at	1.52	0.01
<i>Ick</i>	intestinal cell kinase	1448310 at	1.52	0.00
<i>Dpp9</i>	dipeptidylpeptidase 9	1455884 at	1.52	0.01
<i>Hivp3</i>	human immunodeficiency virus type 1 enhancer binding protein 3	1429134 at	1.52	0.00
<i>Scamp2</i>	secretory carrier membrane protein 2	1416611 at	1.52	0.00
<i>Pprc1</i>	peroxisome proliferative activated receptor, gamma, coactivator-related 1	1426381 at	1.52	0.00
<i>1110008L16Rik</i>	RIKEN cDNA 1110008L16 gene	1428775 at	1.52	0.00
<i>Rhog</i>	ras homolog gene family, member G	1422572 at	1.52	0.00
<i>1190005P17Rik</i>	RIKEN cDNA 1190005P17 gene	1428475 at	1.52	0.00
<i>BC087945</i>	cDNA sequence BC087945	1427966 at	1.52	0.00
<i>2010004M13Rik</i>	RIKEN cDNA 2010004M13 gene	1455646 at	1.52	0.00
<i>Stard5</i>	StAR-related lipid transfer (START) domain containing 5	1422821 s at	1.52	0.00
<i>Parp4</i>	poly (ADP-ribose) polymerase family, member 4	1441026 at	1.52	0.05
<i>Inpp5d</i>	inositol polyphosphate-5-phosphatase D	1418110 a at	1.52	0.00
<i>Bet1l</i>	blocked early in transport 1 homolog (S. cerevisiae)-like	1453570 x at	1.52	0.00
<i>Entpd1</i>	ectonucleoside triphosphate diphosphohydrolase 1	1453586 at	1.52	0.03
<i>0910001A06Rik</i>	RIKEN cDNA 0910001A06 gene	1423829 at	1.52	0.02
<i>Csmd1</i>	CUB and Sushi multiple domains 1	1443179 at	1.52	0.00
---	---	1460133 at	1.52	0.02
<i>Rnf4</i>	ring finger protein 4	1423654 a at	1.52	0.03
<i>Peci</i>	peroxisomal delta3, delta2-enoyl-Coenzyme A isomerase	1431012 a at	1.52	0.00
<i>Rod1</i>	ROD1 regulator of differentiation 1 (S. pombe)	1424084 at	1.52	0.07
---	---	1458586 at	1.51	0.03
<i>Seh1l</i>	SEH1-like (S. cerevisiae)	1419967 at	1.51	0.07
<i>Trib3</i>	tribbles homolog 3 (Drosophila)	1426065 a at	1.51	0.00
<i>Rbm34</i>	RNA binding motif protein 34	1436595 at	1.51	0.07
<i>Dnajc1</i>	DnaJ (Hsp40) homolog, subfamily C, member 1	1420500 at	1.51	0.00
<i>2400006N03Rik</i>	RIKEN cDNA 2400006N03 gene	1441814 s at	1.51	0.00
<i>Tax1bp1</i>	Tax1 (human T-cell leukemia virus type 1) binding protein 1	1448399 at	1.51	0.00
<i>Rnf121</i>	ring finger protein 121	1426503 a at	1.51	0.00
<i>Slc9a3r1</i>	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1	1438116 x at	1.51	0.00
<i>Cltb</i>	clathrin, light polypeptide (Lcb)	1460740 at	1.51	0.00
<i>5033414K04Rik</i>	RIKEN cDNA 5033414K04 gene	1436999 at	1.51	0.00
<i>Tmem19</i>	transmembrane protein 19	1416261 at	1.51	0.00
<i>Tmem62</i>	transmembrane protein 62	1455350 at	1.51	0.00
<i>Psmc2</i>	proteasome (prosome, macropain) 26S subunit, ATPase 2	1426611 at	1.51	0.00
<i>Polr3gl</i>	polymerase (RNA) III (DNA directed) polypeptide G like	1451364 at	1.51	0.00
<i>Phca</i>	phytoceramidase, alkaline	1429520 a at	1.51	0.02
<i>C330023M02Rik</i>	RIKEN cDNA C330023M02 gene	1439027 at	1.51	0.02
<i>Zfp697</i>	zinc finger protein 697	1427594 at	1.51	0.02
<i>Ralb</i>	v-ral simian leukemia viral oncogene homolog B (ras related)	1417744 a at	1.51	0.00
<i>Tmed10 // LOC634748</i>	transmembrane emp24-like trafficking protein 10 (yeast) // similar to transmembrane trafficking protein	1439444_x at	1.51	0.00
<i>C1galt1</i>	core 1 UDP-galactose:N-acetylgalactosamine-alpha-R beta 1,3-galactosyltransferase	1450745 at	1.51	0.00
<i>Ell2</i>	elongation factor RNA polymerase II 2	1450744 at	1.51	0.07
<i>Dclre1b</i>	DNA cross-link repair 1B, PSO2 homolog (S. cerevisiae)	1440383 at	1.51	0.00
<i>Plp2</i>	proteolipid protein 2	1453572 a at	1.50	0.01
<i>Ubb // Gm1821</i>	ubiquitin B // gene model 1821, (NCBI)	1435643 x at	1.50	0.00
<i>Prmt5</i>	protein arginine N-methyltransferase 5	1427439 s at	1.50	0.00
<i>Fkbp10</i>	FK506 binding protein 10	1415951 at	1.50	0.02
<i>Lrp10</i>	low-density lipoprotein receptor-related protein 10	1416836 at	1.50	0.00
<i>Etf1</i>	eukaryotic translation termination factor 1	1420024 s at	1.50	0.00
<i>Zfp294</i>	zinc finger protein 294	1452612 at	1.50	0.00
<i>2610020H08Rik</i>	RIKEN cDNA 2610020H08 gene	1436673 at	1.50	0.00
<i>Cnot6</i>	CCR4-NOT transcription complex, subunit 6	1426683 at	1.50	0.01
<i>Btg1</i>	B-cell translocation gene 1, anti-proliferative	1437455 a at	1.50	0.03
<i>BC003993</i>	cDNA sequence BC003993	1438278 a at	1.50	0.01
---	---	1446947 at	1.50	0.03
<i>Psm2</i>	proteasome (prosome, macropain) subunit, alpha type 2	1448206 at	1.50	0.00
<i>D230025D16Rik</i>	RIKEN cDNA D230025D16 gene	1426521 at	1.50	0.01
<i>Furin</i>	furin (paired basic amino acid cleaving enzyme)	1418518 at	1.50	0.00
<i>Zfp207</i>	zinc finger protein 207	1423545 a at	1.50	0.04
<i>2310061J03Rik</i>	RIKEN cDNA 2310061J03 gene	1449304 at	1.50	0.00
<i>Psm3</i>	proteasome (prosome, macropain) subunit, alpha type 3	1448442 a at	1.50	0.00
<i>Atf4</i>	activating transcription factor 4	1448135 at	1.50	0.00
<i>Zfp313</i>	zinc finger protein 313	1427874 at	1.50	0.00
<i>Prg1</i>	proteoglycan 1, secretory granule	1417426 at	1.50	0.05
<i>2810457I06Rik</i>	RIKEN cDNA 2810457I06 gene	1436805 at	1.50	0.00
<i>LOC623809 // LOC677159</i>	similar to non-SMC element 1 homolog // similar to non-SMC element 1 homolog	1455927 x at	1.50	0.00
<i>Cdc42</i>	cell division cycle 42 homolog (S. cerevisiae)	1435807 at	1.50	0.02
<i>Gabarapl2</i>	gamma-aminobutyric acid (GABA-A) receptor-associated protein-like 2	1441376 at	1.50	0.02
<i>Dnaj1</i>	DnaJ (Hsp40) homolog, subfamily A, member 1	1437220 x at	1.50	0.00
<i>Odf1</i>	oral-facial-digital syndrome 1 gene homolog (human)	1427172 at	1.50	0.01
<i>2610511O17Rik</i>	RIKEN cDNA 2610511O17 gene	1452665 at	1.50	0.00
<i>Mfsd1</i>	major facilitator superfamily domain containing 1	1424129 at	1.50	0.00
<i>Eif2s2</i>	eukaryotic translation initiation factor 2, subunit 2 (beta)	1456617 a at	1.50	0.01
<i>Vti1a</i>	vesicle transport through interaction with t-SNAREs homolog 1A (yeast)	1419190 at	1.50	0.00
<i>Nup50</i>	nucleoporin 50	1450722 at	1.50	0.01
<i>C530014P21Rik</i>	RIKEN cDNA C530014P21 gene	1447510 at	1.50	0.03
<i>Lpin2</i>	lipin 2	1452836 at	1.50	0.04
<i>Rassf1</i>	Ras association (RalGDS/AF-6) domain family 1	1441737 s at	1.50	0.00

Gene Symbol	Gene Name	Affymetrix ID	Fold-Change	%FDR
	Down-Regulated			
<i>Sulf1</i>	sulfatase 1	1436319 at	-1.50	0.00
<i>Fxyd2</i>	FXYD domain-containing ion transport regulator 2	1419378 a at	-1.50	0.00
<i>Hist2h2be</i>	histone 2, H2be	1455095 at	-1.50	0.01
<i>Fgf13</i>	fibroblast growth factor 13	1418497 at	-1.50	0.00
<i>Ube2y2</i>	ubiquitin-conjugating enzyme E2 variant 2	1429131 at	-1.50	0.00
<i>Igsf4a</i>	immunoglobulin superfamily, member 4A	1417378 at	-1.50	0.00
<i>Myo10</i>	myosin X	1454731 at	-1.50	0.00
<i>1110001J03Rik</i>	RIKEN cDNA 1110001J03 gene	1416367 at	-1.50	0.00
<i>Fzd2</i>	frizzled homolog 2 (Drosophila)	1418533 s at	-1.50	0.01
<i>Gprasp1</i>	G protein-coupled receptor associated sorting protein 1	1424455 at	-1.50	0.00
<i>Ddx5</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	1423645 a at	-1.50	0.01
<i>Zfp68</i>	zinc finger protein 68	1457571 at	-1.50	0.00
<i>Mrpl39</i>	mitochondrial ribosomal protein L39	1417966 at	-1.50	0.00
<i>Dnajc11</i>	DnaJ (Hsp40) homolog, subfamily C, member 11	1433881 at	-1.50	0.00
---	---	1416737 at	-1.50	0.01
<i>Zbtb20</i>	zinc finger and BTB domain containing 20	1439278 at	-1.50	0.00
<i>Dbt</i>	dihydroliipoamide branched chain transacylase E2	1449118 at	-1.50	0.00
---	---	1438215 at	-1.50	0.00
<i>Iqsec1</i>	IQ motif and Sec7 domain 1	1452327 at	-1.50	0.00
<i>Lrrfip2</i>	leucine rich repeat (in FLII) interacting protein 2	1436378 at	-1.50	0.00
<i>Gpr137b /// LOC664862 /// LOC673335</i>	G protein-coupled receptor 137B /// similar to transmembrane 7 superfamily member 1 /// similar to transmembrane 7 superfamily member 1	1429775_a at	-1.50	0.00
<i>Notch3</i>	Notch gene homolog 3 (Drosophila)	1421965 s at	-1.50	0.01
<i>Spnb2</i>	spectrin beta 2	1452143 at	-1.50	0.00
<i>Eif2c4</i>	eukaryotic translation initiation factor 2C, 4	1429779 at	-1.50	0.00
<i>Ayl2</i>	acyltransferase like 2	1424460 s at	-1.50	0.00
<i>Ptcd2</i>	pentatricopeptide repeat domain 2	1423769 at	-1.50	0.00
<i>2410025L10Rik</i>	RIKEN cDNA 2410025L10 gene	1428403 at	-1.50	0.01
<i>Higd1a</i>	HIG1 domain family, member 1A	1416480 a at	-1.50	0.00
<i>Hexb</i>	hexosaminidase B	1460180 at	-1.50	0.01
<i>Ttc7</i>	tetratricopeptide repeat domain 7	1435334 at	-1.50	0.01
<i>Bxdc2</i>	brix domain containing 2	1423841 at	-1.50	0.00
<i>Msrb2</i>	methionine sulfoxide reductase B2	1424433 at	-1.50	0.00
<i>Mrpl47</i>	mitochondrial ribosomal protein L47	1429054 at	-1.50	0.00
<i>Rass8</i>	Ras association (RalGDS/AF-6) domain family 8	1452283 at	-1.50	0.00
<i>1200015N20Rik</i>	RIKEN cDNA 1200015N20 gene	1448557 at	-1.50	0.01
<i>Mrps2</i>	mitochondrial ribosomal protein S2	1420846 at	-1.50	0.00
<i>Arpp19</i>	cAMP-regulated phosphoprotein 19	1422609 at	-1.50	0.00
<i>Cd81</i>	CD 81 antigen	1416330 at	-1.50	0.00
<i>Tpcn1</i>	two pore channel 1	1434930 at	-1.50	0.01
<i>Prkca</i>	Protein kinase C, alpha	1446598 at	-1.50	0.01
<i>4930402E16Rik</i>	RIKEN cDNA 4930402E16 gene	1434480 at	-1.50	0.00
<i>2610203C20Rik</i>	RIKEN cDNA 2610203C20 gene	1455160 at	-1.50	0.00
<i>Zfp192</i>	zinc finger protein 192	1455778 at	-1.50	0.00
<i>Abib2</i>	ankyrin repeat and BTB (POZ) domain containing 2	1433454 at	-1.50	0.01
<i>6720462K09Rik</i>	RIKEN cDNA 6720462K09 gene	1456896 at	-1.50	0.00
<i>Lsm14b</i>	LSM14 homolog B (SCD6, S. cerevisiae)	1455155 at	-1.50	0.00
---	Transcribed locus	1441389 at	-1.50	0.01
<i>Ogt</i>	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	1425517_s at	-1.50	0.00
<i>Homer1</i>	homer homolog 1 (Drosophila)	1439662 at	-1.50	0.00
<i>Vegfb</i>	vascular endothelial growth factor B	1451803 a at	-1.50	0.00
<i>Cysl1r1</i>	cysteinylnyl leukotriene receptor 1	1418944 at	-1.50	0.01
<i>Snx5</i>	sorting nexin 5	1417647 at	-1.50	0.00
<i>Clqdc2</i>	Clq domain containing 2	1417393 a at	-1.50	0.01
<i>Fath /// LOC672128</i>	fat tumor suppressor homolog (Drosophila) /// similar to fat tumor suppressor homolog	1433857 at	-1.50	0.00
<i>Mmrn1</i>	multimerin 1	1437260 at	-1.50	0.00
<i>Igsf4a</i>	immunoglobulin superfamily, member 4A	1417377 at	-1.50	0.00
<i>St3gal6</i>	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	1449079 s at	-1.50	0.00
<i>Reps2</i>	RALBP1 associated Eps domain containing protein 2	1435389 at	-1.50	0.00
<i>BC034664</i>	cDNA sequence BC034664	1455588 at	-1.50	0.00
<i>Golga4</i>	golgi autoantigen, golgin subfamily a, 4	1460213 at	-1.50	0.00
<i>Wdr35</i>	WD repeat domain 35	1454790 at	-1.50	0.00
<i>Adm</i>	adrenomedullin	1416077 at	-1.51	0.01
<i>Dusp22</i>	dual specificity phosphatase 22	1448985 at	-1.51	0.00
<i>Tfrc</i>	transferrin receptor	AFFX-TransRecMur/X57349_3_at	-1.51	0.01
<i>Myadm</i>	myeloid-associated differentiation marker	1423321 at	-1.51	0.00
<i>Tmem41b</i>	transmembrane protein 41B	1460122 at	-1.51	0.00
<i>1110031B06Rik</i>	RIKEN cDNA 1110031B06 gene	1423745 at	-1.51	0.00
<i>Ogt</i>	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	1425516_at	-1.51	0.00
<i>Sfrs14</i>	splicing factor, arginine/serine-rich 14	1435798 a at	-1.51	0.00
<i>Lmo2</i>	LIM domain only 2	1454086 a at	-1.51	0.00
<i>LOC432971</i>	hypothetical gene supported by AK038224	1446618 at	-1.51	0.01
<i>Cttnb1</i>	catenin (cadherin associated protein), beta 1	1420811 a at	-1.51	0.00
<i>Rnf128</i>	ring finger protein 128	1449036 at	-1.51	0.00
<i>Pigo</i>	phosphatidylinositol glycan, class O	1438155 x at	-1.51	0.00
<i>Zfp3</i>	zinc finger protein 3	1439563 at	-1.51	0.01
<i>2310040A07Rik</i>	RIKEN cDNA 2310040A07 gene	1428739 at	-1.51	0.00
<i>Nfyc</i>	nuclear transcription factor-Y gamma	1448963 at	-1.51	0.00
<i>Zfp597</i>	zinc finger protein 597	1460589 at	-1.51	0.00
<i>Dock6 /// LOC670024</i>	dedicator of cytokinesis 6 /// similar to Dedicator of cytokinesis protein 6	1427240 at	-1.51	0.01
<i>Nmnat1</i>	nicotinamide nucleotide adenyltransferase 1	1425773 s at	-1.51	0.00
<i>Pnck</i>	pregnancy upregulated non-ubiquitously expressed CaM kinase	1422711 a at	-1.51	0.00
<i>Ppm1l</i>	protein phosphatase 1 (formerly 2C)-like	1435699 at	-1.51	0.01
<i>Nqo2</i>	NAD(P)H dehydrogenase, quinone 2	1455590 at	-1.51	0.00
<i>Tln2</i>	talin 2	1435700 at	-1.51	0.00
<i>Srpk2</i>	serine/arginine-rich protein specific kinase 2	1448603 at	-1.51	0.00
<i>Stk39</i>	serine/threonine kinase 39, STE20/SPS1 homolog (yeast)	1419550 a at	-1.51	0.01
---	Transcribed locus	1444643 at	-1.51	0.00
<i>Idh3a</i>	isocitrate dehydrogenase 3 (NAD+) alpha	1422500 at	-1.51	0.00

<i>Hnrph1</i>	heterogeneous nuclear ribonucleoprotein H1	1415872 at	-1.51	0.00
<i>Mtr</i>	5-methyltetrahydrofolate-homocysteine methyltransferase	1439811 at	-1.51	0.00
<i>Vim</i>	vimentin	1456292 a at	-1.51	0.01
<i>Trio</i>	Triple functional domain (PTPRF interacting)	1442248 at	-1.51	0.00
<i>6330416G13Rik</i>	RIKEN cDNA 6330416G13 gene	1426315 a at	-1.51	0.00
<i>Unc5b</i>	unc-5 homolog B (C. elegans)	1453269 at	-1.51	0.00
<i>Gna12</i>	guanine nucleotide binding protein, alpha 12	1455008 at	-1.51	0.00
<i>Zdhhc2</i>	zinc finger, DHHC domain containing 2	1452656 at	-1.51	0.00
<i>1810049H13Rik</i>	RIKEN cDNA 1810049H13 gene	1460254 at	-1.51	0.00
<i>A430106J12Rik</i>	RIKEN cDNA A430106J12 gene	1436025 at	-1.51	0.00
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<i>2900024O10Rik</i>	RIKEN cDNA 2900024O10 gene	1437261 at	-1.51	0.00
<i>Kif2a</i>	Kinesin family member 2A	1450053 at	-1.51	0.00
<i>Depdc6</i>	DEP domain containing 6	1451348 at	-1.51	0.00
<i>Cyhr1</i>	cysteine and histidine rich 1	1435328 at	-1.51	0.01
<i>Za20d2</i>	zinc finger, A20 domain containing 2	1416083 at	-1.51	0.00
<i>Kcnt2</i>	Potassium channel, subfamily T, member 2	1459971 at	-1.51	0.00
<i>Pdk2</i>	pyruvate dehydrogenase kinase, isoenzyme 2	1448825 at	-1.51	0.01
<i>Igsf3</i>	immunoglobulin superfamily, member 3	1455048 at	-1.51	0.01
<i>Rnmt1</i>	RNA methyltransferase like 1	1428766 at	-1.51	0.00
<i>Mrg1</i>	myeloid ecotropic viral integration site-related gene 1	1440091 at	-1.51	0.01
<i>Prkag2</i>	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	1451140 s at	-1.51	0.00
---	Transcribed locus	1434097 at	-1.51	0.00
<i>Pcmd1</i>	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1	1455388 at	-1.51	0.00
<i>A1317395</i>	expressed sequence A1317395	1425596 at	-1.51	0.00
<i>Mtap2</i>	microtubule-associated protein 2	1434194 at	-1.51	0.00
<i>Nrp2</i>	neuropilin 2	1435349 at	-1.52	0.00
<i>3110050K21Rik</i>	RIKEN cDNA 3110050K21 gene	1434894 at	-1.52	0.00
<i>Smad7</i>	MAD homolog 7 (Drosophila)	1423389 at	-1.52	0.00
<i>Arhgef3</i>	Rho guanine nucleotide exchange factor (GEF) 3	1424250 a at	-1.52	0.00
<i>Mrpl39</i>	mitochondrial ribosomal protein L39	1448909 a at	-1.52	0.00
<i>Phf17</i>	PHD finger protein 17	1452179 at	-1.52	0.01
<i>C330006A16Rik</i>	RIKEN cDNA C330006A16 gene	1433618 at	-1.52	0.00
<i>Dock7</i>	dedicator of cytokinesis 7	1425315 at	-1.52	0.00
<i>Cdc37l1</i>	cell division cycle 37 homolog (S. cerevisiae)-like 1	1417740 at	-1.52	0.00
<i>Rarg</i>	retinoic acid receptor, gamma	1419415 a at	-1.52	0.01
<i>Adk</i>	adenosine kinase	1438292 x at	-1.52	0.00
<i>Kcnj8</i>	potassium inwardly-rectifying channel, subfamily J, member 8	1418142 at	-1.52	0.00
<i>Zfp39</i>	zinc finger protein 39	1441198 at	-1.52	0.00
<i>Ski</i>	Sloan-Kettering viral oncogene homolog	1456547 at	-1.52	0.01
<i>Ankrd26</i>	ankyrin repeat domain 26	1436071 at	-1.52	0.00
<i>Pbx1 /// LOC676870</i>	pre B-cell leukemia transcription factor 1 /// region containing RIKEN cDNA 2310056B04 gene; pre B-cell leukemia transcription factor 1	1425383_a_at	-1.52	0.00
<i>Maoa</i>	monoamine oxidase A	1442676 at	-1.52	0.00
---	Transcribed locus	1448095 at	-1.52	0.00
<i>Coq5</i>	coenzyme Q5 homolog, methyltransferase (yeast)	1417264 at	-1.52	0.00
<i>Ubiad1</i>	UbiA prenyltransferase domain containing 1	1424213 at	-1.52	0.00
<i>1700012G19Rik</i>	RIKEN cDNA 1700012G19 gene	1428788 at	-1.52	0.00
<i>Fmod</i>	fibromodulin	1437685 x at	-1.52	0.00
<i>Zranb1</i>	zinc finger, RAN-binding domain containing 1	1436228 at	-1.52	0.00
<i>4930535B03Rik</i>	RIKEN cDNA 4930535B03 gene	1438028 at	-1.52	0.00
<i>Oxct1</i>	3-oxoacid CoA transferase 1	1436750 a at	-1.52	0.00
<i>Lgals7</i>	lectin, galactose binding, soluble 7	1436356 at	-1.52	0.00
<i>Zfhd1b</i>	zinc finger homeobox 1b	1456389 at	-1.52	0.00
<i>Map3k5 /// LOC675366</i>	mitogen activated protein kinase kinase kinase 5 /// similar to mitogen activated protein kinase kinase kinase 5	1421340_at	-1.52	0.00
<i>Sfrs6</i>	splicing factor, arginine/serine-rich 6	1448454 at	-1.52	0.00
<i>Gsta4</i>	glutathione S-transferase, alpha 4	1416368 at	-1.52	0.00
<i>Gpr23</i>	G protein-coupled receptor 23	1439665 at	-1.52	0.01
<i>Tm7sf3</i>	transmembrane 7 superfamily member 3	1452664 a at	-1.52	0.00
<i>Myh10</i>	myosin, heavy polypeptide 10, non-muscle	1452740 at	-1.52	0.00
<i>Inpp1</i>	inositol polyphosphate phosphatase-like 1	1460394 a at	-1.52	0.00
<i>Acad11</i>	acyl-Coenzyme A dehydrogenase family, member 11	1433545 s at	-1.52	0.00
<i>Egals7</i>	lectin, galactose binding, soluble 7	1424594 at	-1.52	0.00
<i>Ric8b</i>	resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	1435096 at	-1.52	0.00
<i>Pigv</i>	phosphatidylinositol glycan, class Y	1428556 at	-1.52	0.00
<i>Mrps6</i>	mitochondrial ribosomal protein S6	1424440 at	-1.52	0.00
<i>Galc</i>	galactosylceramidase	1452907 at	-1.52	0.00
<i>Mfl1</i>	myeloid leukemia factor 1	1418589 a at	-1.52	0.00
<i>1110060D06Rik /// Dock5</i>	RIKEN cDNA 1110060D06 gene /// dedicator of cytokinesis 5	1430291 at	-1.52	0.00
<i>Tmem38a</i>	transmembrane protein 38a	1424178 at	-1.52	0.01
<i>Lig4</i>	ligase IV, DNA, ATP-dependent	1439487 at	-1.52	0.00
<i>Pcyt2</i>	phosphate cytidylyltransferase 2, ethanolamine	1420493 a at	-1.52	0.00
<i>Ank1</i>	ankyrin 1, erythroid	1419421 at	-1.52	0.00
<i>0610012G03Rik /// LOC638521</i>	RIKEN cDNA 0610012G03 gene /// hypothetical protein LOC638521	1448540 a at	-1.52	0.00
<i>D930001I22Rik</i>	RIKEN cDNA D930001I22 gene	1454935 at	-1.52	0.00
<i>Neur12</i>	neuronalized-like 2 (Drosophila)	1429141 at	-1.52	0.00
<i>Tanc2</i>	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2	1435078 at	-1.52	0.01
<i>Wwtr1</i>	WW domain containing transcription regulator 1	1417818 at	-1.52	0.00
<i>Csf1r</i>	colony stimulating factor 1 receptor	1419873 s at	-1.53	0.01
<i>Usp2</i>	ubiquitin specific peptidase 2	1417169 at	-1.53	0.01
<i>Hbld2</i>	HESB like domain containing 2	1423651 at	-1.53	0.00
<i>Arpp19</i>	cAMP-regulated phosphoprotein 19	1450685 at	-1.53	0.01
<i>Tloc1</i>	translocation protein 1	1455698 at	-1.53	0.01
<i>9130004J05Rik</i>	RIKEN cDNA 9130004J05 gene	1430191 at	-1.53	0.00
<i>Grsf1</i>	G-rich RNA sequence binding factor 1	1437838 x at	-1.53	0.00
<i>Mospd2</i>	motile sperm domain containing 2	1424124 at	-1.53	0.00
<i>Hdhd2</i>	haloacid dehalogenase-like hydrolase domain containing 2	1428507 at	-1.53	0.00
<i>Pcgf3</i>	polycomb group ring finger 3	1428423 at	-1.53	0.00
<i>Rgma</i>	RGM domain family, member A	1438241 at	-1.53	0.00
<i>Mbn1</i>	muscleblind-like 1 (Drosophila)	1416904 at	-1.53	0.00
<i>Dsp</i>	desmoplakin	1435493 at	-1.53	0.00
<i>Rnf166</i>	ring finger protein 166	1436906 at	-1.53	0.00
<i>Fbxl10</i>	F-box and leucine-rich repeat protein 10	1459861 s at	-1.53	0.00
<i>Stard4</i>	StAR-related lipid transfer (START) domain containing 4	1455011 at	-1.53	0.01
<i>Ppp4r2</i>	protein phosphatase 4, regulatory subunit 2	1433851 at	-1.53	0.00
<i>AW061290</i>	expressed sequence AW061290	1438036 x at	-1.53	0.00

<i>Arfl4</i>	ADP-ribosylation factor 4-like	1418250 at	-1.53	0.00
<i>Podxl2</i>	podocalyxin-like 2	1455622 at	-1.53	0.00
<i>2610021A01Rik</i> /// <i>LOC668572</i>	RIKEN cDNA 2610021A01 gene /// similar to zinc finger protein 347	1438786 a at	-1.53	0.01
<i>Zbib12</i>	zinc finger and BTB domain containing 12	1436382 at	-1.53	0.01
<i>Hspb8</i>	heat shock protein 8	1417013 at	-1.53	0.00
<i>Rcor3</i>	REST corepressor 3	1425352 at	-1.53	0.00
<i>Ndufab1</i>	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1	1453565 at	-1.53	0.01
<i>Sema3d</i>	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D	1429459 at	-1.53	0.00
<i>Sesn3</i>	sestrin 3	1449303 at	-1.53	0.00
<i>5430419D17Rik</i> /// <i>LOC546006</i>	RIKEN cDNA 5430419D17 gene /// similar to deleted in malignant brain tumors 1 isoform c precursor	1440645 at	-1.53	0.00
<i>Trmt5</i>	TRM5 tRNA methyltransferase 5 homolog (<i>S. cerevisiae</i>)	1452086 at	-1.53	0.00
<i>Palld</i>	palladin, cytoskeletal associated protein	1433768 at	-1.53	0.00
<i>Mrg1</i>	Myeloid ecotropic viral integration site-related gene 1	1443926 at	-1.53	0.00
<i>Rala</i>	v-ral simian leukemia viral oncogene homolog A (ras related)	1450870 at	-1.53	0.00
<i>C130009A20Rik</i>	RIKEN cDNA C130009A20 gene	1444109 at	-1.53	0.00
<i>Bcl7a</i>	B-cell CLL/lymphoma 7A	1428207 at	-1.53	0.00
<i>Hsp110</i>	heat shock protein 110	1425993 a at	-1.53	0.01
---	---	1435380 at	-1.53	0.00
<i>Adam23</i>	a disintegrin and metallopeptidase domain 23	1447946 at	-1.53	0.00
<i>Pum1</i>	pumilio 1 (<i>Drosophila</i>)	1423117 at	-1.53	0.00
<i>Bpgm</i>	2,3-bisphosphoglycerate mutase	1415865 s at	-1.53	0.01
<i>Hes6</i>	hairy and enhancer of split 6 (<i>Drosophila</i>)	1436050 x at	-1.53	0.00
<i>Wnk2</i>	WNK lysine deficient protein kinase 2	1453355 at	-1.53	0.01
<i>Stard7</i>	START domain containing 7	1449628 s at	-1.53	0.00
<i>Hexb</i>	hexosaminidase B	1437874 s at	-1.53	0.01
<i>Dpp4</i>	dipeptidylpeptidase 4	1459973 x at	-1.53	0.00
<i>Letm1</i>	leucine zipper-EF-hand containing transmembrane protein 1	1420826 at	-1.53	0.00
<i>Ank2</i>	ankyrin 2, brain	1434264 at	-1.54	0.00
<i>Ptgfrn</i>	prostaglandin F2 receptor negative regulator	1434891 at	-1.54	0.00
<i>Bola3</i>	bolA-like 3 (<i>E. coli</i>)	1433970 at	-1.54	0.00
<i>Adcyap1r1</i>	adenylate cyclase activating polypeptide 1 receptor 1	1429022 at	-1.54	0.00
<i>Cdc42ep3</i>	CDC42 effector protein (Rho GTPase binding) 3	1450700 at	-1.54	0.00
<i>Atp2a2</i>	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	1427251 at	-1.54	0.01
<i>Bicd2</i>	bicaudal D homolog 2 (<i>Drosophila</i>)	1437875 at	-1.54	0.00
<i>Tdrd3</i>	tudor domain containing 3	1434869 at	-1.54	0.00
<i>Enpp2</i>	ectonucleotide pyrophosphatase/phosphodiesterase 2	1448136 at	-1.54	0.01
<i>Ctmb1</i>	catenin (cadherin associated protein), beta 1	1450008 a at	-1.54	0.00
<i>Wdr6</i>	WD repeat domain 6	1455940 x at	-1.54	0.00
<i>Apbb1</i>	amyloid beta (A4) precursor protein-binding, family B, member 1	1423893 x at	-1.54	0.01
---	---	1424746 at	-1.54	0.00
<i>Mrpl51</i>	mitochondrial ribosomal protein L51	1416879 at	-1.54	0.01
---	---	1434243 s at	-1.54	0.00
<i>Reln</i>	reelin	1449465 at	-1.54	0.00
<i>Trip11</i>	thyroid hormone receptor interactor 11	1427406 at	-1.54	0.00
<i>Ptprs</i>	protein tyrosine phosphatase, receptor type, S	1426794 at	-1.54	0.00
<i>Tm9sf3</i>	transmembrane 9 superfamily member 3	1428412 at	-1.54	0.00
<i>Zfp306</i>	zinc finger protein 306	1422551 at	-1.54	0.00
<i>Clqmf7</i>	Clq and tumor necrosis factor related protein 7	1460163 at	-1.54	0.00
<i>Egln1</i>	EGL nine homolog 1 (<i>C. elegans</i>)	1423785 at	-1.54	0.00
<i>Wnk1</i>	WNK lysine deficient protein kinase 1	1433676 at	-1.54	0.00
<i>5730403B10Rik</i>	RIKEN cDNA 5730403B10 gene	1460172 at	-1.54	0.00
<i>Csrp1</i>	cysteine and glycine-rich protein 1	1425811 a at	-1.54	0.00
<i>Ank2</i>	ankyrin 2, brain	1434265 s at	-1.54	0.00
<i>Mef2a</i>	myocyte enhancer factor 2A	1421252 a at	-1.54	0.00
<i>Tic3</i>	tetratricopeptide repeat domain 3	1441684 at	-1.54	0.00
<i>Reep5</i>	Receptor accessory protein 5	1442128 at	-1.54	0.00
<i>Fut11</i>	fucosyltransferase 11	1437748 at	-1.54	0.00
<i>Ppfbp2</i>	protein tyrosine phosphatase, receptor-type, F interacting protein, binding protein 2	1417801 a at	-1.54	0.00
<i>D9Erd256e</i>	DNA segment, Chr 9, ERATO Doi 256, expressed	1459326 at	-1.54	0.00
<i>Dach1</i>	dachshund 1 (<i>Drosophila</i>)	1433743 at	-1.54	0.00
<i>Satb1</i>	special AT-rich sequence binding protein 1	1416007 at	-1.54	0.00
<i>Rilp</i>	Rab interacting lysosomal protein	1457696 at	-1.55	0.01
<i>2700049H19Rik</i>	RIKEN cDNA 2700049H19 gene	1427113 s at	-1.55	0.00
<i>4833426J09Rik</i>	RIKEN cDNA 4833426J09 gene	1428996 at	-1.55	0.01
<i>0610009K11Rik</i>	RIKEN cDNA 0610009K11 gene	1434118 at	-1.55	0.00
<i>Ncbp2</i>	nuclear cap binding protein subunit 2	1423045 at	-1.55	0.01
<i>Cables2</i>	Cdk5 and Abl enzyme substrate 2	1452307 at	-1.55	0.00
<i>Slc37a4</i>	solute carrier family 37 (glycerol-6-phosphate transporter), member 4	1417042 at	-1.55	0.00
<i>Vldlr</i>	very low density lipoprotein receptor	1435893 at	-1.55	0.01
<i>Abcc8</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	1455765 a at	-1.55	0.01
<i>B230380D07Rik</i>	RIKEN cDNA B230380D07 gene	1436841 at	-1.55	0.00
<i>1110002B05Rik</i>	RIKEN cDNA 1110002B05 gene	1448388 a at	-1.55	0.00
<i>Itp1</i>	Inositol 1,4,5-triphosphate receptor 1	1457189 at	-1.55	0.00
<i>Pura</i>	purine rich element binding protein A	1420628 at	-1.55	0.00
<i>Socs5</i>	suppressor of cytokine signaling 5	1423350 at	-1.55	0.00
<i>Bgn</i>	biglycan	1448323 a at	-1.55	0.01
<i>Clec3b</i>	C-type lectin domain family 3, member b	1449466 at	-1.55	0.01
<i>Lrp6</i>	low density lipoprotein receptor-related protein 6	1451022 at	-1.55	0.00
<i>Pum1</i>	pumilio 1 (<i>Drosophila</i>)	1456054 a at	-1.55	0.00
<i>Laptm4b</i>	lysosomal-associated protein transmembrane 4B	1416148 at	-1.55	0.00
<i>Col8a1</i>	procollagen, type VIII, alpha 1	1447819 x at	-1.55	0.00
<i>Pp11r</i>	placental protein 11 related	1449937 at	-1.55	0.00
<i>AA409368</i>	expressed sequence AA409368	1457466 at	-1.55	0.00
<i>Seca</i>	sarcoglycan, alpha (dystrophin-associated glycoprotein)	1422654 at	-1.55	0.00
<i>E2f6</i>	E2F transcription factor 6	1448835 at	-1.55	0.00
<i>B130021B11Rik</i>	RIKEN cDNA B130021B11 gene	1438989 s at	-1.55	0.00
<i>Dct</i>	dopachrome tautomerase	1418028 at	-1.55	0.00
<i>Srf</i>	serum response factor	1418255 s at	-1.55	0.00
<i>Rnf11</i>	ring finger protein 11	1452058 a at	-1.55	0.00
<i>Ephb3</i>	Eph receptor B3	1451550 at	-1.55	0.01
<i>Zbtb20</i>	zinc finger and BTB domain containing 20	1422064 at	-1.55	0.00
<i>1700034H14Rik</i>	RIKEN cDNA 1700034H14 gene	1452785 at	-1.55	0.00
<i>A430106J12Rik</i>	RIKEN cDNA A430106J12 gene	1437216 at	-1.55	0.00
<i>Tmem109</i>	transmembrane protein 109	1456057 x at	-1.55	0.00
<i>Asb15</i>	ankyrin repeat and SOCS box-containing protein 15	1460281 at	-1.55	0.00

<i>Glrx5</i>	glutaredoxin 5 homolog (<i>S. cerevisiae</i>)	1428553 at	-1.55	0.00
---	Adult male corpora quadrigenina cDNA, RIKEN full-length enriched library, clone: B230209O07 product: unclassifiable, full insert sequence	1436096_at	-1.55	0.00
<i>Bgn</i>	biglycan	1416405 at	-1.55	0.01
<i>Itsn1</i>	intersectin 1 (SH3 domain protein 1A)	1452338 s at	-1.55	0.00
<i>Smpd1</i>	sphingomyelin phosphodiesterase 1, acid lysosomal	1447874 x at	-1.55	0.00
<i>Sdc2</i>	syndecan 2	1417011 at	-1.56	0.00
<i>LOC552912</i>	hypothetical LOC552912	1456499 at	-1.56	0.00
<i>4930402E16Rik</i>	RIKEN cDNA 4930402E16 gene	1459869 x at	-1.56	0.00
<i>Dynll2</i>	dynein light chain LC8-type 2	1418371 at	-1.56	0.00
---	---	1436138 at	-1.56	0.00
<i>AA536717</i>	expressed sequence AA536717	1435686 at	-1.56	0.00
<i>Tmem109</i>	transmembrane protein 109	1437008 x at	-1.56	0.00
<i>Vapb</i>	vesicle-associated membrane protein, associated protein B and C	1436079 s at	-1.56	0.00
---	---	1430245 at	-1.56	0.00
<i>Maf</i>	avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog	1458600 at	-1.56	0.01
<i>5730494M16Rik</i>	RIKEN cDNA 5730494M16 gene	1441960 x at	-1.56	0.01
<i>Nav1</i>	Neuron navigator 1	1446497 at	-1.56	0.00
<i>Sez6l2</i>	seizure related 6 homolog like 2	1434641 x at	-1.56	0.00
<i>5730405O12Rik</i>	RIKEN cDNA 5730405O12 gene	1432843 at	-1.56	0.01
<i>Enpp3</i>	ectonucleotide pyrophosphatase/phosphodiesterase 3	1427302 at	-1.56	0.00
<i>Esrra</i>	estrogen related receptor, alpha	1460652 at	-1.56	0.00
<i>Ankrd12</i>	Ankyrin repeat domain 12	1447165 at	-1.56	0.00
<i>Luc7l2</i>	LUC7-like 2 (<i>S. cerevisiae</i>)	1436767 at	-1.56	0.00
<i>Dnm1l</i>	dynamitin 1-like	1428086 at	-1.56	0.00
<i>1810021J13Rik</i>	RIKEN cDNA 1810021J13 gene	1417174 at	-1.56	0.00
<i>Atxn1</i>	ataxin 1	1438294 at	-1.56	0.00
<i>Zbtb20</i>	zinc finger and BTB domain containing 20	1437598 at	-1.56	0.00
<i>Cvcs</i>	cytochrome c, somatic	1445484 at	-1.56	0.00
<i>Senp7</i>	SUMO1/sentrin specific peptidase 7	1438413 at	-1.56	0.00
<i>Ppp2r5c</i>	protein phosphatase 2, regulatory subunit B (B56), gamma isoform	1434206 s at	-1.56	0.00
<i>Cebpa</i>	CCAAT/enhancer binding protein (C/EBP), alpha	1418982 at	-1.56	0.00
<i>BC018601</i>	cDNA sequence BC018601	1460399 at	-1.56	0.00
<i>Atxn1</i>	Ataxin 1	1445695 at	-1.56	0.00
<i>Mccc2</i>	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	1454840 at	-1.56	0.00
<i>Rora</i>	RAR-related orphan receptor alpha	1436326 at	-1.56	0.00
<i>Gdpd5</i>	glycerophosphodiester phosphodiesterase domain containing 5	1424150 at	-1.56	0.00
<i>P2ry14</i>	purinergic receptor P2Y, G-protein coupled, 14	1424733 at	-1.56	0.00
<i>Mtx3</i>	metaxin 3	1434807 s at	-1.56	0.00
<i>Arhgap12</i>	Rho GTPase activating protein 12	1451525 at	-1.56	0.00
<i>Jarid2</i>	jumonji, AT rich interactive domain 2	1422698 s at	-1.56	0.00
<i>Sox17</i>	SRY-box containing gene 17	1421657 a at	-1.56	0.00
<i>Ms4a1</i>	membrane-spanning 4-domains, subfamily A, member 1	1423226 at	-1.56	0.00
<i>Grsf1</i>	G-rich RNA sequence binding factor 1	1433824 x at	-1.56	0.00
<i>Ccdc85a</i>	coiled-coil domain containing 85A	1427157 at	-1.56	0.00
<i>Pstk</i>	phosphoseryl-tRNA kinase	1455953 x at	-1.56	0.00
<i>Manea</i>	mannosidase, endo-alpha	1455403 at	-1.56	0.00
<i>Phldb1</i>	pleckstrin homology-like domain, family B, member 1	1424467 at	-1.56	0.00
<i>Armc1</i>	armadillo repeat containing 1	1415719 s at	-1.56	0.00
<i>Stard8</i>	START domain containing 8	1427072 at	-1.56	0.01
<i>Lims1</i>	LIM and senescent cell antigen-like domains 1	1443947 at	-1.57	0.00
<i>Mfn1</i>	mitofusin 1	1449697 s at	-1.57	0.00
<i>Srd5a2l2</i>	steroid 5 alpha-reductase 2-like 2	1437482 at	-1.57	0.00
<i>Coq10a</i>	coenzyme Q10 homolog A (yeast)	1433628 at	-1.57	0.00
<i>Aprin</i>	androgen-induced proliferation inhibitor	1436161 at	-1.57	0.00
<i>2900046L07Rik</i>	RIKEN cDNA 2900046L07 gene	1432944 at	-1.57	0.01
<i>B930012P20Rik</i>	RIKEN cDNA B930012P20 gene	1457802 at	-1.57	0.01
<i>Nox4</i>	NADPH oxidase 4	1451827 a at	-1.57	0.00
<i>Sfrp1</i>	secreted frizzled-related sequence protein 1	1428136 at	-1.57	0.00
<i>LOC676870</i>	region containing RIKEN cDNA 2310056B04 gene; pre B-cell leukemia transcription factor 1	1428646_at	-1.57	0.00
<i>Trdn</i>	triadin	1451801 at	-1.57	0.00
<i>1810063B05Rik</i>	RIKEN cDNA 1810063B05 gene	1435864 a at	-1.57	0.00
<i>Laptm4b</i>	lysosomal-associated protein transmembrane 4B	1436915 x at	-1.57	0.00
<i>Chchd3</i>	coiled-coil-helix-coiled-coil-helix domain containing 3	1431241 at	-1.57	0.00
<i>Stox2</i>	storkhead box 2	1447624 s at	-1.57	0.00
<i>Fez1</i>	fasciculation and elongation protein zeta 1 (zygin 1)	1454674 at	-1.57	0.00
<i>Cpox</i>	coproporphyrinogen oxidase	1422493 at	-1.57	0.01
<i>B230208H17Rik</i>	RIKEN cDNA B230208H17 gene	1452370 s at	-1.57	0.00
---	---	1434886 at	-1.57	0.00
<i>Ctsh</i>	cathepsin H	1443814 x at	-1.57	0.00
<i>B3galtl</i>	beta 1,3-galactosyltransferase-like	1457043 at	-1.57	0.00
<i>Actc1</i>	actin, alpha, cardiac	1415927 at	-1.57	0.00
<i>Irx5</i>	Iroquois related homeobox 5 (<i>Drosophila</i>)	1421072 at	-1.57	0.00
<i>Lamb1-1</i>	laminin B1 subunit 1	1424113 at	-1.57	0.01
<i>Hrc</i>	histidine rich calcium binding protein	1419109 at	-1.57	0.00
<i>Hnrph3 /// LOC669773</i>	heterogeneous nuclear ribonucleoprotein H3 /// similar to heterogeneous nuclear ribonucleoprotein H3 isoform a	1455491_at	-1.57	0.00
<i>Ppapdc3</i>	Phosphatidic acid phosphatase type 2 domain containing 3	1442592 at	-1.57	0.01
<i>4732415M23Rik</i>	RIKEN cDNA 4732415M23 gene	1435365 at	-1.57	0.00
<i>Tspan2</i>	tetraspanin 2	1432417 a at	-1.57	0.00
<i>Pde4a</i>	phosphodiesterase 4A, cAMP specific	1421535 a at	-1.57	0.00
<i>Kif13a</i>	kinesin family member 13A	1451890 at	-1.57	0.00
<i>Mef2a</i>	myocyte enhancer factor 2A	1427185 at	-1.57	0.00
<i>Emil1 /// LOC634102</i>	echinoderm microtubule associated protein like 1 /// similar to echinoderm microtubule associated protein like 1	1428321_at	-1.57	0.00
<i>A1428795</i>	expressed sequence A1428795	1435456 at	-1.57	0.00
<i>Prpf19</i>	PRP19/PSO4 pre-mRNA processing factor 19 homolog (<i>S. cerevisiae</i>)	1419839 x at	-1.57	0.00
<i>Grsf1</i>	G-rich RNA sequence binding factor 1	1433457 s at	-1.57	0.00
<i>Zfp28</i>	zinc finger protein 28	1439503 at	-1.57	0.00
<i>Unc5b</i>	unc-5 homolog B (<i>C. elegans</i>)	1435110 at	-1.57	0.00
<i>2310004L02Rik</i>	RIKEN cDNA 2310004L02 gene	1416775 at	-1.57	0.00
<i>Rhobtb3</i>	Rho-related BTB domain containing 3	1447869 x at	-1.57	0.01
<i>Serpini1</i>	serine (or cysteine) peptidase inhibitor, clade I, member 1	1448443 at	-1.57	0.00
<i>Jam2</i>	junction adhesion molecule 2	1431416 a at	-1.57	0.00
<i>A1591476</i>	Expressed sequence A1591476	1440439 at	-1.57	0.00
<i>Hnt</i>	neurotrimin	1426283 at	-1.57	0.00

<i>Pex1</i>	peroxisome biogenesis factor 1	1428716 at	-1.57	0.00
---	---	1444480 at	-1.58	0.00
<i>Nptn</i>	neuroplastin	1415821 at	-1.58	0.00
<i>Trim35</i>	tripartite motif-containing 35	1454650 at	-1.58	0.00
<i>Ogt</i>	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	1460631_at	-1.58	0.00
<i>Ugp2</i>	UDP-glucose pyrophosphorylase 2	1426460 a at	-1.58	0.00
<i>Zfp161</i>	zinc finger protein 161	1420865 at	-1.58	0.00
<i>Spred2</i>	Sprouty-related, EVH1 domain containing 2	1441415 at	-1.58	0.00
<i>Hod</i>	homeobox only domain	1428662 a at	-1.58	0.00
<i>Prpf19</i>	PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae)	1449635 at	-1.58	0.00
<i>Clstn1</i>	calysntenin 1	1421861 at	-1.58	0.00
<i>Apln</i>	apelin	1451038 at	-1.58	0.00
<i>Ugp2</i>	UDP-glucose pyrophosphorylase 2	1426461 at	-1.58	0.00
<i>Ranbp6</i>	RAN binding protein 6	1435167 at	-1.58	0.00
<i>Agpat5</i>	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)	1434287_at	-1.58	0.00
<i>Cbfa2l3h</i>	core-binding factor, runt domain, alpha subunit 2, translocated to, 3 homolog (human)	1418582 at	-1.58	0.01
<i>6530418L21Rik</i>	RIKEN cDNA 6530418L21 gene	1444723 at	-1.58	0.00
<i>Cog6</i>	component of oligomeric golgi complex 6	1426216 at	-1.58	0.00
<i>D9Erd720e</i>	DNA segment, Chr 9, ERATO Doi 720, expressed	1457776 at	-1.58	0.00
<i>Palld</i>	palladin, cytoskeletal associated protein	1427228 at	-1.58	0.00
<i>Lphn1</i>	latrophilin 1	1428510 at	-1.58	0.00
---	NOD-derived CD11c +ve dendritic cells cDNA, RIKEN full-length enriched library, clone:F630119A15 product:hypothetical protein, full insert sequence	1434451_at	-1.58	0.00
<i>Ppm1b</i>	protein phosphatase 1B, magnesium dependent, beta isoform	1426382 at	-1.58	0.00
<i>Evi1</i>	ecotropic viral integration site 1	1438325 at	-1.58	0.01
<i>Plscr4</i>	phospholipid scramblase 4	1443406 at	-1.58	0.01
<i>Atp2a2</i>	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	1427250 at	-1.58	0.00
<i>Mef2a</i>	myocyte enhancer factor 2A	1427186 a at	-1.58	0.00
<i>Afmid</i>	arylfornamidase	1452944 at	-1.58	0.00
<i>Prkar2b</i>	protein kinase, cAMP dependent regulatory, type II beta	1456475 s at	-1.58	0.00
<i>Nipa1</i>	non imprinted in Prader-Willi/Angelman syndrome 1 homolog (human)	1434864 at	-1.58	0.00
<i>Hdac2</i>	histone deacetylase 2	1445684 s at	-1.58	0.00
<i>2510005D08Rik</i>	RIKEN cDNA 2510005D08 gene	1418386 at	-1.58	0.00
<i>Emcn</i>	endomucin	1425582 a at	-1.58	0.00
<i>C330002I19Rik</i>	RIKEN cDNA C330002I19 gene	1458528 at	-1.58	0.00
<i>Wyp1</i>	WW domain containing E3 ubiquitin protein ligase 1	1427098 at	-1.58	0.01
<i>2310079P10Rik</i>	RIKEN cDNA 2310079P10 gene	1428899 at	-1.58	0.00
<i>Aadacl1</i>	arylacetamide deacetylase-like 1	1455227 at	-1.58	0.00
<i>Abhd3</i>	abhydrolase domain containing 3	1417946 at	-1.58	0.00
<i>Tmem109</i>	transmembrane protein 109	1416032 at	-1.58	0.00
<i>Rasa1</i>	RAS p21 protein activator 1	1426477 at	-1.58	0.00
<i>Ywhaq</i>	tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, theta polypeptide	1420829_a at	-1.58	0.00
<i>2310039E09Rik</i>	RIKEN cDNA 2310039E09 gene	1420551 at	-1.59	0.00
<i>Pip5k1a</i>	phosphatidylinositol-4-phosphate 5-kinase, type 1 alpha	1450389 s at	-1.59	0.00
<i>Ankrd12</i>	ankyrin repeat domain 12	1440193 at	-1.59	0.00
<i>Pcdh17</i>	protocadherin 17	1453070 at	-1.59	0.00
---	Transcribed locus	1436570 at	-1.59	0.00
<i>Cpeb3</i>	cytoplasmic polyadenylation element binding protein 3	1445868 at	-1.59	0.00
<i>Zfp191</i>	zinc finger protein 191	1430650 at	-1.59	0.01
<i>A630051L19Rik</i>	RIKEN cDNA A630051L19 gene	1455134 at	-1.59	0.00
<i>Tmem53</i>	transmembrane protein 53	1451479 a at	-1.59	0.00
<i>Ints6</i>	integrator complex subunit 6	1423274 at	-1.59	0.00
<i>Mfhas1</i>	malignant fibrous histiocytoma amplified sequence 1	1436897 at	-1.59	0.00
<i>Map3k4</i>	mitogen activated protein kinase kinase kinase 4	1421450 a at	-1.59	0.00
<i>Disp1</i>	dispatched homolog 1 (Drosophila)	1434795 at	-1.59	0.00
<i>Rnd3</i>	Rho family GTPase 3	1416700 at	-1.59	0.00
<i>Tip1</i>	tight junction protein 1	1417749 a at	-1.59	0.00
<i>Plxnb3</i>	plexin B3	1440813 s at	-1.59	0.00
<i>Foxp2</i>	forkhead box P2	1438232 at	-1.59	0.00
<i>Zbtb20</i>	zinc finger and BTB domain containing 20	1437065 at	-1.59	0.00
<i>Nrarp</i>	Notch-regulated ankyrin repeat protein	1417986 at	-1.59	0.00
<i>Kdelc2</i>	KDEL (Lys-Asp-Glu-Leu) containing 2	1453071 s at	-1.59	0.00
<i>Tnks2</i>	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2	1447522 s at	-1.59	0.00
---	---	1434115 at	-1.59	0.00
<i>Slc25a13</i>	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 13	1449481_at	-1.59	0.00
<i>Arnt2</i>	Aryl hydrocarbon receptor nuclear translocator 2	1446894 at	-1.59	0.00
<i>Zfp597</i>	zinc finger protein 597	1435556 at	-1.59	0.00
<i>Mtif2</i>	mitochondrial translational initiation factor 2	1415685 at	-1.59	0.00
<i>Bgn</i>	biglycan	1437889 x at	-1.59	0.00
<i>AW061290</i>	expressed sequence AW061290	1438035 at	-1.59	0.00
<i>Dscr6</i>	Down syndrome critical region homolog 6 (human)	1420459 at	-1.59	0.00
<i>9430020K01Rik</i>	RIKEN cDNA 9430020K01 gene	1428535 at	-1.59	0.00
<i>Rbpms2</i>	RNA binding protein with multiple splicing 2	1424008 a at	-1.59	0.00
<i>Acoi11</i>	acyl-CoA thioesterase 11	1429267 at	-1.59	0.00
<i>Kdr</i>	kinase insert domain protein receptor	1449379 at	-1.59	0.01
<i>Klhl13</i>	kelch-like 13 (Drosophila)	1448269 a at	-1.59	0.01
<i>MLL3</i>	myeloid/lymphoid or mixed-lineage leukemia 3	1434178 at	-1.59	0.00
<i>A830073O21Rik</i>	RIKEN cDNA A830073O21 gene	1434273 at	-1.59	0.00
<i>Pgam2</i>	phosphoglycerate mutase 2	1418373 at	-1.59	0.00
---	---	1457894 at	-1.59	0.01
<i>Lysmd4</i>	LysM, putative peptidoglycan-binding, domain containing 4	1434093 at	-1.59	0.00
<i>Mrv1</i>	MRV integration site 1	1459665 s at	-1.59	0.01
<i>Dnajb5</i>	DnaJ (Hsp40) homolog, subfamily B, member 5	1421962 at	-1.60	0.00
<i>BC011209</i>	cDNA sequence BC011209	1424123 at	-1.60	0.00
<i>Mgat5</i>	mannoside acetylglucosaminyltransferase 5	1428643 at	-1.60	0.00
<i>Xpo1</i>	exportin 1, CRM1 homolog (yeast)	1418442 at	-1.60	0.00
<i>Zfp128</i>	zinc finger protein 128	1458515 at	-1.60	0.00
<i>AW209491</i>	expressed sequence AW209491	1423512 at	-1.60	0.00
<i>Spred2</i>	sprouty-related, EVH1 domain containing 2	1434403 at	-1.60	0.00
<i>Ogdh</i>	oxoglutarate dehydrogenase (lipoamide)	1445632 at	-1.60	0.01
<i>Myh6</i>	Myosin, heavy polypeptide 6, cardiac muscle, alpha	1458850 at	-1.60	0.00
<i>Nrk</i>	Nik related kinase	1450079 at	-1.60	0.00
<i>2810482G21Rik</i>	RIKEN cDNA 2810482G21 gene	1435754 at	-1.60	0.00

<i>Ptger4</i>	prostaglandin E receptor 4 (subtype EP4)	1424208 at	-1.60	0.01
<i>Cks1b</i>	CDC28 protein kinase 1b	1439514 at	-1.60	0.00
<i>Fxr1h</i>	fragile X mental retardation gene 1, autosomal homolog	1452247 at	-1.60	0.00
<i>Cdc14a</i>	CDC14 cell division cycle 14 homolog A (<i>S. cerevisiae</i>)	1436913 at	-1.60	0.00
<i>Kcnb1</i> /// <i>Pascin2</i>	potassium voltage gated channel, Shab-related subfamily, member 1 /// protein kinase C and casein kinase substrate in neurons 2	1417810_a_at	-1.60	0.00
---	---	1439500 at	-1.60	0.00
<i>Col5a1</i>	procollagen, type V, alpha 1	1416740 at	-1.60	0.01
<i>Lrrtm3</i>	Leucine rich repeat transmembrane neuronal 3	1444477 at	-1.60	0.00
<i>Endog</i>	endonuclease G	1438317 a_at	-1.60	0.00
<i>Asph</i>	aspartate-beta-hydroxylase	1426015 s_at	-1.60	0.00
---	Transcribed locus	1443847 x_at	-1.60	0.00
<i>Rscad1</i>	radical S-adenosyl methionine domain containing 1	1440875 a_at	-1.60	0.00
<i>Trio</i>	Triple functional domain (PTPRF interacting)	1457492 at	-1.60	0.00
<i>Jub</i>	ajuba	1421344 a_at	-1.60	0.00
<i>Ches1</i>	checkpoint suppressor 1	1434002 at	-1.60	0.00
<i>Ptprd</i>	protein tyrosine phosphatase, receptor type, D	1424886 at	-1.60	0.01
<i>Cox11</i>	COX11 homolog, cytochrome c oxidase assembly protein (yeast)	1429188 at	-1.60	0.00
<i>Wdr33</i>	WD repeat domain 33	1455281 at	-1.60	0.00
<i>Ddit4l</i>	DNA-damage-inducible transcript 4-like	1439332 at	-1.60	0.01
<i>Ush1c</i>	Usher syndrome 1C homolog (human)	1450001 a_at	-1.60	0.00
<i>BC026657</i>	cDNA sequence BC026657	1440064 at	-1.60	0.00
<i>Gpsn2</i>	glycoprotein, synaptic 2	1429681 a_at	-1.60	0.00
<i>Pex19</i>	peroxisome biogenesis factor 19	1455208 at	-1.60	0.00
<i>Ankrd29</i>	ankyrin repeat domain 29	1438756 at	-1.60	0.00
<i>Klhdc8a</i>	kelch domain containing 8A	1441940 x_at	-1.60	0.00
<i>Slc25a26</i>	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 26	1453886 a_at	-1.60	0.00
---	---	1442470 at	-1.60	0.00
<i>Vtn</i>	vitronectin	1455098 a_at	-1.60	0.00
<i>Krt1-10</i>	keratin complex 1, acidic, gene 10	1452166 a_at	-1.60	0.00
<i>Ankrd32</i>	ankyrin repeat domain 32	1423577 at	-1.60	0.00
<i>Hefe2</i>	host cell factor C2	1438328 at	-1.61	0.00
<i>Slc12a7</i>	solute carrier family 12, member 7	1418257 at	-1.61	0.00
<i>Nlk</i>	nemo like kinase	1419112 at	-1.61	0.00
<i>4833420G11Rik</i>	RIKEN cDNA 4833420G11 gene	1455255 at	-1.61	0.00
<i>Msrb3</i>	methionine sulfoxide reductase B3	1454997 at	-1.61	0.00
<i>Mrpl12</i>	mitochondrial ribosomal protein L12	1452048 at	-1.61	0.00
<i>Car8</i>	carbonic anhydrase 8	1457904 at	-1.61	0.00
<i>Scrn3</i>	secernin 3	1426917 s_at	-1.61	0.00
<i>Spred2</i>	sprouty-related, EVH1 domain containing 2	1436892 at	-1.61	0.00
<i>Efcab2</i>	EF-hand calcium binding domain 2	1420513 at	-1.61	0.00
<i>Clcn3</i>	chloride channel 3	1438366 x_at	-1.61	0.00
<i>L1cam</i>	L1 cell adhesion molecule	1450435 at	-1.61	0.00
---	---	1447724 x_at	-1.61	0.00
<i>Niban</i>	niban protein	1454942 at	-1.61	0.00
<i>Adssl1</i>	adenylosuccinate synthetase like 1	1449383 at	-1.61	0.00
<i>Trio</i>	Triple functional domain (PTPRF interacting)	1437505 at	-1.61	0.00
<i>Snx12</i>	Sorting nexin 12	1455465 at	-1.61	0.00
<i>Mylk</i>	myosin, light polypeptide kinase	1425506 at	-1.61	0.00
<i>Zbtb20</i>	zinc finger and BTB domain containing 20	1438443 at	-1.61	0.00
---	Transcribed locus	1459630 at	-1.61	0.01
<i>Clcn3</i>	chloride channel 3	1416610 a_at	-1.61	0.00
<i>Mapre2</i>	Microtubule-associated protein, RP/EB family, member 2	1445492 at	-1.61	0.00
<i>2410127L17Rik</i> /// <i>LOC626107</i> /// <i>LOC666456</i> /// <i>LOC677519</i> /// <i>LOC677553</i>	RIKEN cDNA 2410127L17 gene /// similar to RIKEN cDNA 2410127L17 /// similar to CG11596-PA, isoform A /// similar to CG11596-PA, isoform A /// similar to RIKEN cDNA 2410127L17 gene	1429458_at	-1.61	0.00
<i>D430047L21Rik</i>	RIKEN cDNA D430047L21 gene	1435590 at	-1.61	0.00
<i>Ndn</i>	neccdin	1437853 x_at	-1.61	0.00
<i>0610009O20Rik</i>	RIKEN cDNA 0610009O20 gene	1452685 at	-1.61	0.00
<i>Ttc3</i>	tetratricopeptide repeat domain 3	1416482 at	-1.61	0.00
<i>Dnahc8</i>	dynein, axonemal, heavy chain 8	1424936 a_at	-1.61	0.00
<i>Dhcr7</i>	7-dehydrocholesterol reductase	1448619 at	-1.61	0.00
<i>2810055G20Rik</i>	RIKEN cDNA 2810055G20 gene	1445363 at	-1.61	0.01
---	---	1428280 at	-1.61	0.00
<i>Timm8a1</i>	translocase of inner mitochondrial membrane 8 homolog a1 (yeast)	1416345 at	-1.61	0.00
<i>2610008E11Rik</i>	RIKEN cDNA 2610008E11 gene	1429281 at	-1.61	0.00
<i>Abcc8</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	1457066 at	-1.61	0.00
<i>Baz2b</i>	bromodomain adjacent to zinc finger domain, 2B	1440984 at	-1.61	0.00
<i>BC028528</i>	CDNA sequence BC028528	1445301 at	-1.61	0.00
<i>Tesc</i>	tescalcin	1418744 s_at	-1.61	0.00
<i>Daam1</i>	dishevelled associated activator of morphogenesis 1	1455244 at	-1.61	0.00
<i>Enpp3</i>	ectonucleotide pyrophosphatase/phosphodiesterase 3	1452384 at	-1.61	0.01
<i>Spna1</i> /// <i>LOC630963</i>	spectrin alpha 1 /// similar to spectrin alpha 1	1421277 at	-1.61	0.00
<i>Hox</i>	homeobox only domain	1451776 s_at	-1.62	0.00
<i>Abcc9</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	1435751 at	-1.62	0.00
<i>Sccpdh</i>	saccharopine dehydrogenase (putative)	1426510 at	-1.62	0.00
---	---	1459695 at	-1.62	0.00
---	---	1434444 s_at	-1.62	0.00
<i>A1790298</i>	expressed sequence A1790298	1427146 at	-1.62	0.00
<i>Fzd2</i>	frizzled homolog 2 (<i>Drosophila</i>)	1418532 at	-1.62	0.01
<i>MGC73635</i>	similar to histone 2a	1438009 at	-1.62	0.00
---	---	1434631 at	-1.62	0.00
<i>6720420G18Rik</i>	RIKEN cDNA 6720420G18 gene	1432787 at	-1.62	0.00
<i>Sgce</i>	sarcoglycan, epsilon	1420688 a_at	-1.62	0.00
<i>Odz3</i>	odd Oz/ten-m homolog 3 (<i>Drosophila</i>)	1449315 at	-1.62	0.00
<i>Kcnmb1</i>	potassium large conductance calcium-activated channel, subfamily M, beta member 1	1421400 at	-1.62	0.00
<i>Pts</i>	6-pyruvoyl-tetrahydropterin synthase	1450660 at	-1.62	0.00
<i>Rab22a</i>	RAB22A, member RAS oncogene family	1424504 at	-1.62	0.00
<i>Abcb1a</i>	ATP-binding cassette, sub-family B (MDR/TAP), member 1A	1419759 at	-1.62	0.00
<i>Bicc1</i>	bicaudal C homolog 1 (<i>Drosophila</i>)	1423484 at	-1.62	0.00
<i>Gtl3</i>	gene trap locus 3	1452896 at	-1.62	0.00
<i>Phf20l1</i>	PHD finger protein 20-like 1	1454939 at	-1.62	0.00
<i>Scrn3</i>	secernin 3	1436573 at	-1.62	0.00
<i>9230110I02Rik</i>	RIKEN cDNA 9230110I02 gene	1460499 at	-1.62	0.00
<i>Neol</i>	neogenin	1447693 s_at	-1.62	0.00
<i>Syne1</i>	synaptic nuclear envelope 1	1455493 at	-1.62	0.00
<i>Ccnt2</i>	cyclin T2	1427089 at	-1.62	0.00

<i>Abcb1a</i>	ATP-binding cassette, sub-family B (MDR/TAP), member 1A	1419758 at	-1.62	0.00
<i>Dab2</i>	disabled homolog 2 (Drosophila)	1423805 at	-1.62	0.00
---	16 days embryo head cDNA, RIKEN full-length enriched library, clone:C130051K14 product:unclassifiable, full insert sequence	1458324_x_at	-1.62	0.00
---	Transcribed locus	1440015 at	-1.62	0.00
<i>Abhd8</i>	abhydrolase domain containing 8	1416863 at	-1.62	0.00
<i>Zfp647</i>	zinc finger protein 647	1455633 at	-1.62	0.00
<i>Pdzd6</i>	PDZ domain containing 6	1454350 at	-1.62	0.00
<i>Syne2</i>	synaptic nuclear envelope 2	1442285 at	-1.62	0.00
---	---	1428140 at	-1.62	0.00
<i>BC024659</i>	cDNA sequence BC024659	1433986 at	-1.62	0.00
<i>Hfe2</i>	hemochromatosis type 2 (juvenile) (human homolog)	1429223 a at	-1.62	0.00
<i>Ugt1a2 /// Ugt1a6a /// Ugt1a10 /// Ugt1a7c /// Ugt1a5 /// Ugt1a9 /// Ugt1a6b /// Ugt1a1</i>	UDP glucuronosyltransferase 1 family, polypeptide A2 /// UDP glucuronosyltransferase 1 family, polypeptide A6A /// UDP glycosyltransferase 1 family, polypeptide A10 /// UDP glucuronosyltransferase 1 family, polypeptide A7C /// UDP glucuronosyltransferase 1 family, polypeptide A5 /// UDP glucuronosyltransferase 1 family, polypeptide A9 /// UDP glucuronosyltransferase 1 family, polypeptide A6B /// UDP glucuronosyltransferase 1 family, polypeptide A1	1426261_s_at	-1.62	0.00
<i>Rcor3</i>	REST corepressor 3	1428342 at	-1.62	0.00
<i>Slc25a29</i>	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter), member 29	1423979_a_at	-1.62	0.01
<i>Acot7</i>	acyl-CoA thioesterase 7	1417094 at	-1.62	0.00
<i>Zfp101</i>	zinc finger protein 101	1450090 at	-1.62	0.00
<i>Fbxl7</i>	F-box and leucine-rich repeat protein 7	1440441 at	-1.62	0.01
<i>Rgs4</i>	regulator of G-protein signaling 4	1416287 at	-1.62	0.00
<i>9630033F20Rik</i>	RIKEN cDNA 9630033F20 gene	1447934 at	-1.62	0.00
<i>2410005O16Rik</i>	RIKEN cDNA 2410005O16 gene	1457017 at	-1.62	0.00
<i>3110005L24Rik</i>	RIKEN cDNA 3110005L24 gene	1431381 at	-1.62	0.00
<i>Bach2</i>	BTB and CNC homology 2	1440304 at	-1.63	0.00
<i>Endog</i>	endonuclease G	1421097 at	-1.63	0.00
<i>Tmem16a</i>	transmembrane protein 16A	1459713 s at	-1.63	0.00
<i>1810057P16Rik</i>	RIKEN cDNA 1810057P16 gene	1440975 at	-1.63	0.00
<i>Demnd4b</i>	DENN/MADD domain containing 4B	1427014 at	-1.63	0.00
<i>Mrg1</i>	myeloid ecotropic viral integration site-related gene 1	1457632 s at	-1.63	0.00
<i>Gatm</i>	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	1423569 at	-1.63	0.00
<i>Rapgef2</i>	Rap guanine nucleotide exchange factor (GEF) 2	1452833 at	-1.63	0.00
<i>Rab3i1</i>	RAB3A interacting protein (rabin3)-like 1	1428391 at	-1.63	0.01
<i>Cgml1 /// LOC677485</i>	cingulin-like 1 /// similar to cingulin-like 1 isoform 1	1452309 at	-1.63	0.00
<i>Lrrc1</i>	leucine rich repeat containing 1	1452411 at	-1.63	0.00
<i>Cacna1s</i>	calcium channel, voltage-dependent, L type, alpha 1S subunit	1420442 at	-1.63	0.00
<i>6720477C19Rik</i>	RIKEN cDNA 6720477C19 gene	1433184 at	-1.63	0.00
<i>Slc16a1</i>	solute carrier family 16 (monocarboxylic acid transporters), member 1	1415802 at	-1.63	0.00
<i>Polrmt</i>	polymerase (RNA) mitochondrial (DNA directed)	1437377_a at	-1.63	0.00
<i>Cap2</i>	CAP, adenylate cyclase-associated protein, 2 (yeast)	1450910 at	-1.63	0.00
<i>Dusp3</i>	dual specificity phosphatase 3 (vaccinia virus phosphatase VHI1-related)	1434472 at	-1.63	0.00
<i>Entpd5</i>	ectonucleoside triphosphate diphosphohydrolase 5	1451765 a at	-1.63	0.00
<i>Npnt</i>	nephronectin	1452106 at	-1.63	0.00
<i>Dicer1</i>	Dicer1, Dcr-1 homolog (Drosophila)	1460571 at	-1.63	0.00
<i>Nfatc2</i>	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	1426032 at	-1.63	0.00
<i>Eif4e /// LOC630527</i>	eukaryotic translation initiation factor 4E /// hypothetical LOC630527	1450908 at	-1.63	0.00
<i>AV009015</i>	expressed sequence AV009015	1455014 at	-1.63	0.00
<i>BC022224</i>	cDNA sequence BC022224	1425704 at	-1.63	0.00
<i>Tomm40l</i>	translocase of outer mitochondrial membrane 40 homolog-like (yeast)	1455614 at	-1.63	0.00
<i>Anks1</i>	ankyrin repeat and SAM domain containing 1	1452204 at	-1.63	0.00
<i>Sox17</i>	SRV-box containing gene 17	1429177_x at	-1.63	0.00
<i>Coq7</i>	demethyl-Q 7	1416665 at	-1.63	0.00
<i>Ches1</i>	checkpoint suppressor 1	1436925 at	-1.64	0.00
<i>Klf12</i>	Kruppel-like factor 12	1439846 at	-1.64	0.00
<i>Magi2</i>	membrane associated guanylate kinase, WW and PDZ domain containing 2	1454855 at	-1.64	0.01
<i>Zfp329</i>	zinc finger protein 329	1431830 at	-1.64	0.00
<i>Sirt3</i>	sirtuin 3 (silent mating type information regulation 2, homolog) 3 (S. cerevisiae)	1417892 a at	-1.64	0.00
<i>Akap1</i>	A kinase (PRKA) anchor protein 1	1449019 at	-1.64	0.00
<i>Cttnb1</i>	catenin (cadherin associated protein), beta 1	1430533 a at	-1.64	0.00
<i>A1428795</i>	expressed sequence A1428795	1449520 at	-1.64	0.00
<i>Nfib</i>	nuclear factor I/B	1454834 at	-1.64	0.00
<i>Csrp1</i>	cysteine and glycine-rich protein 1	1425810 a at	-1.64	0.00
<i>Alas1</i>	aminolevulinic acid synthase 1	1455282 x at	-1.64	0.00
<i>Dyrk2</i>	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2	1428637 at	-1.64	0.00
<i>Gpsn2</i>	glycoprotein, synaptic 2	1416352 s at	-1.64	0.00
<i>Ehd2 /// LOC673251</i>	EH-domain containing 2 /// similar to EH-domain containing 2	1435785 at	-1.64	0.00
<i>Gpr177</i>	G protein-coupled receptor 177	1423825 at	-1.64	0.00
<i>Ppm1l</i>	protein phosphatase 1 (formerly 2C)-like	1435787 at	-1.64	0.00
<i>6430570G24</i>	hypothetical protein 6430570G24	1454901 at	-1.64	0.01
<i>Bche</i>	butyrylcholinesterase	1436098 at	-1.64	0.00
<i>C230004L04</i>	hypothetical protein C230004L04	1457568 at	-1.64	0.00
<i>Cand2</i>	cullin-associated and neddylation-dissociated 2 (putative)	1429622 at	-1.64	0.00
<i>Drctnbn1a</i>	down-regulated by Cttnb1, a	1450724 at	-1.64	0.00
<i>Crip2</i>	cysteine rich protein 2	1417311 at	-1.64	0.00
---	Adult male liver tumor cDNA, RIKEN full-length enriched library, clone:C730040G13 product:unclassifiable, full insert sequence	1444108_at	-1.64	0.00
---	---	1439789 at	-1.64	0.00
<i>Tmcc2</i>	transmembrane and coiled-coil domains 2	1428108 x at	-1.64	0.00
<i>Sh3bgr</i>	SH3-binding domain glutamic acid-rich protein	1422644 at	-1.64	0.00
<i>Ankrd44</i>	ankyrin repeat domain 44	1434856 at	-1.64	0.00
<i>Trio</i>	triple functional domain (TPRF interacting)	1454711 at	-1.64	0.00
<i>Epha7</i>	Eph receptor A7	1451991 at	-1.64	0.00
<i>P4ha2</i>	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide	1417149_at	-1.64	0.00
<i>Cep68</i>	centrosomal protein 68	1456325 at	-1.64	0.00
<i>Ipo13</i>	importin 13	1433464 at	-1.64	0.00
<i>LOC380843 /// LOC638266 /// LOC666794</i>	similar to RNA binding motif protein 24 /// similar to RNA binding motif protein 24 /// similar to RNA binding motif protein 24	1456180_at	-1.64	0.00
<i>Cox10</i>	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)	1429329_at	-1.64	0.00
<i>Bank1</i>	B-cell scaffold protein with ankyrin repeats 1	1456328 at	-1.64	0.00
<i>4930534B04Rik</i>	RIKEN cDNA 4930534B04 gene	1429228 at	-1.64	0.00
<i>Tic19</i>	tetratricopeptide repeat domain 19	1427114 at	-1.64	0.00

<i>Cbl1</i>	Casitas B-lineage lymphoma-like 1	1437203 at	-1.65	0.00
<i>Jarid2</i>	jumonji, AT rich interactive domain 2	1450710 at	-1.65	0.00
---	Adult male brain cDNA, RIKEN full-length enriched library, clone:3526403L10 product:unclassifiable, full insert sequence	1440153_at	-1.65	0.00
<i>Gpt1</i>	glutamic pyruvic transaminase 1, soluble	1426502 s at	-1.65	0.00
<i>Ejemp1</i>	epidermal growth factor-containing fibulin-like extracellular matrix protein 1	1427183 at	-1.65	0.00
<i>5730407107Rik</i>	RIKEN cDNA 5730407107 gene	1432916 at	-1.65	0.00
<i>Ldb3</i>	LIM domain binding 3	1416752 at	-1.65	0.00
<i>Sc5d</i>	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) homolog (S. cerevisiae)	1434520 at	-1.65	0.00
---	13 days embryo forelimb cDNA, RIKEN full-length enriched library, clone:5930438H13 product:unclassifiable, full insert sequence	1455150_at	-1.65	0.00
<i>Gpr155</i>	G protein-coupled receptor 155	1452353 at	-1.65	0.00
<i>Htra1</i>	Htra serine peptidase 1	1438251 x at	-1.65	0.00
<i>A630025C20Rik</i>	RIKEN cDNA A630025C20 gene	1443779 s at	-1.65	0.00
---	---	1445315 at	-1.65	0.00
<i>Mef2a</i>	myocyte enhancer factor 2A	1452347 at	-1.65	0.00
<i>Zfpn1a2</i>	zinc finger protein, subfamily 1A, 2 (Helios)	1456956 at	-1.65	0.00
<i>D430028G21Rik</i>	RIKEN cDNA D430028G21 gene	1451176 at	-1.65	0.00
<i>BC029103</i>	cDNA sequence BC029103	1440226 at	-1.65	0.00
<i>Btb3</i>	BTB (POZ) domain containing 3	1425660 at	-1.65	0.00
<i>Kif13a</i>	kinesin family member 13A	1455746 at	-1.65	0.00
<i>Dlat</i>	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	1452005_at	-1.65	0.00
<i>Pigh</i>	phosphatidylinositol glycan, class H	1455860 at	-1.65	0.00
<i>Vapb</i>	vesicle-associated membrane protein, associated protein B and C	1458501 at	-1.65	0.00
<i>Osbpl3</i>	oxysterol binding protein-like 3	1438724 at	-1.65	0.00
<i>Si5</i>	suppression of tumorigenicity 5	1428372 at	-1.65	0.00
<i>2510005D08Rik</i>	RIKEN cDNA 2510005D08 gene	1449072 a at	-1.65	0.00
---	---	1440440 at	-1.65	0.00
<i>Tmpt</i>	thymopoietin	1426349 s at	-1.65	0.00
<i>4931432P07Rik</i>	RIKEN cDNA 4931432P07 gene	1443415 at	-1.65	0.00
<i>Cdc14b</i>	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	1437070 at	-1.65	0.01
<i>Tmem141</i>	transmembrane protein 141	1435259 s at	-1.65	0.00
<i>Bicd2</i>	bicaudal D homolog 2 (Drosophila)	1450733 at	-1.66	0.00
<i>Jam3</i>	junction adhesion molecule 3	1423503 at	-1.66	0.00
<i>Tmod4</i>	tropomodulin 4	1449969 at	-1.66	0.00
<i>Tmem63b</i>	transmembrane protein 63b	1452219 at	-1.66	0.00
<i>Zfp449</i>	zinc finger protein 449	1439945 at	-1.66	0.00
<i>Dag1</i>	dystroglycan 1	1423872 a at	-1.66	0.00
<i>E030016H06Rik</i>	RIKEN cDNA E030016H06 gene	1440443 at	-1.66	0.00
<i>Oxct1</i>	3-oxoacid CoA transferase 1	1455804 x at	-1.66	0.00
<i>Ptik1</i>	PFTAIRE protein kinase 1	1419249 at	-1.66	0.00
<i>Lrrc20</i>	leucine rich repeat containing 20	1438422 at	-1.66	0.00
<i>Dag1</i>	dystroglycan 1	1426779 x at	-1.66	0.00
<i>Rps6ka5</i>	ribosomal protein S6 kinase, polypeptide 5	1431050 at	-1.66	0.00
<i>Msi2</i>	Musashi homolog 2 (Drosophila)	1421230 a at	-1.66	0.00
<i>Apbb1</i>	amyloid beta (A4) precursor protein-binding, family B, member 1	1423892 at	-1.66	0.00
<i>Adams10</i>	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 10	1427139_at	-1.66	0.01
<i>5730509K17Rik</i>	RIKEN cDNA 5730509K17 gene	1436426 at	-1.66	0.01
<i>4732466D17Rik</i>	RIKEN cDNA 4732466D17 gene	1426876 at	-1.66	0.00
<i>Slc26a6</i>	solute carrier family 26, member 6	1416275 at	-1.66	0.01
<i>1810049H13Rik</i>	RIKEN cDNA 1810049H13 gene	1441878 s at	-1.66	0.00
<i>Mbnl2</i>	Muscleblind-like 2	1446475 at	-1.66	0.00
<i>Map3k4</i>	mitogen activated protein kinase kinase kinase 4	1459800 s at	-1.66	0.00
<i>Fmod</i>	fibromodulin	1438966 x at	-1.66	0.00
<i>Dnase2a</i>	deoxyribonuclease II alpha	1430135 at	-1.66	0.00
---	Transcribed locus	1441425 at	-1.66	0.00
<i>Myl1</i>	myosin, light polypeptide 1	1452651 a at	-1.66	0.00
<i>Trak1</i>	trafficking protein, kinesin binding 1	1452742 at	-1.66	0.00
<i>BC054059</i>	cDNA sequence BC054059	1424729 at	-1.66	0.00
<i>Kcnk3</i>	potassium channel, subfamily K, member 3	1425342 a at	-1.66	0.01
---	---	1447057 at	-1.66	0.00
<i>AW112037</i>	expressed sequence AW112037	1435326 at	-1.66	0.00
<i>Mrpl19</i>	mitochondrial ribosomal protein L19	1450405 at	-1.66	0.00
<i>Odz3</i>	odd Oz/ten-m homolog 3 (Drosophila)	1429178 at	-1.66	0.00
<i>Sfs1</i>	splicing factor, arginine/serine-rich 1 (ASF/SF2)	1428100 at	-1.66	0.00
<i>Smpx</i>	small muscle protein, X-linked	1418095 at	-1.66	0.00
<i>Pea15</i>	phosphoprotein enriched in astrocytes 15	1416407 at	-1.67	0.00
<i>Ppm1l</i>	protein phosphatase 1 (formerly 2C)-like	1438012 at	-1.67	0.00
---	16 days embryo head cDNA, RIKEN full-length enriched library, clone:C130025B04 product:unclassifiable, full insert sequence	1439887_at	-1.67	0.00
<i>Gsk3b</i>	glycogen synthase kinase 3 beta	1437001 at	-1.67	0.00
<i>Bnk</i>	B-cell linker	1451780 at	-1.67	0.00
<i>Cxxc5</i>	CXXC finger 5	1431469 a at	-1.67	0.00
<i>Stk17b</i>	serine/threonine kinase 17b (apoptosis-inducing)	1450997 at	-1.67	0.00
<i>Usp15</i>	ubiquitin specific peptidase 15	1455842 x at	-1.67	0.00
<i>Sirt5</i>	sirtuin 5 (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)	1428916 s at	-1.67	0.00
<i>Jam2</i>	junction adhesion molecule 2	1449408 at	-1.67	0.00
<i>Ppif</i>	peptidylprolyl isomerase F (cyclophilin F)	1416940 at	-1.67	0.00
<i>Slc2a4</i>	solute carrier family 2 (facilitated glucose transporter), member 4	1415959 at	-1.67	0.01
<i>Nfib</i>	nuclear factor I/B	1427680 a at	-1.67	0.00
<i>1810058I24Rik</i>	RIKEN cDNA 1810058I24 gene	1442129 at	-1.67	0.00
<i>AW493563</i>	expressed sequence AW493563	1441751 at	-1.67	0.00
<i>Igf2r</i>	insulin-like growth factor 2 receptor	1424112 at	-1.67	0.00
<i>Larp5</i>	La ribonucleoprotein domain family, member 5	1434598 at	-1.67	0.00
<i>Dbh</i>	dopamine beta hydroxylase	1450670 at	-1.67	0.00
<i>Fcgrt</i>	Fc receptor, IgG, alpha chain transporter	1416978 at	-1.67	0.00
<i>Trdn</i>	triadin	1426142 a at	-1.67	0.00
<i>Rhoq</i>	ras homolog gene family, member Q	1427918 a at	-1.67	0.00
<i>Mdga1</i>	MAM domain containing glycosylphosphatidylinositol anchor 1	1432062 at	-1.67	0.00
<i>Sln</i>	sarcophilin	1420884 at	-1.67	0.00
<i>Setd8</i>	SET domain containing (lysine methyltransferase) 8	1426406 at	-1.67	0.01
<i>Scmh1</i>	sex comb on midleg homolog 1	1439554 at	-1.67	0.00
<i>Zbtb20</i>	zinc finger and BTB domain containing 20	1439128 at	-1.67	0.00
<i>Ralgps2</i>	Ral GEF with PH domain and SH3 binding motif 2	1428789 at	-1.67	0.00

2310046A06Rik /// 2810047F03Rik	RIKEN cDNA 2310046A06 gene /// RIKEN cDNA 2810047F03 gene	1453059_at	-1.67	0.00
2700097O09Rik	RIKEN cDNA 2700097O09 gene	1428810_at	-1.67	0.00
<i>Rcsd1</i>	RCS domain containing 1	1442866_at	-1.67	0.00
<i>Xrcc6bp1</i>	XRCC6 binding protein 1	1453380_a_at	-1.67	0.00
<i>Jph2</i>	junctophilin 2	1421453_at	-1.67	0.01
BC004004	cDNA sequence BC004004	1438534_x_at	-1.68	0.00
<i>Epb4.114a</i>	erythrocyte protein band 4.1-like 4a	1449167_at	-1.68	0.00
<i>St6gal1</i>	beta galactoside alpha 2,6 sialyltransferase 1	1420928_at	-1.68	0.00
<i>Csflr</i>	colony stimulating factor 1 receptor	1419872_at	-1.68	0.01
---	---	1438702_at	-1.68	0.00
<i>Txndc13</i>	thioredoxin domain containing 13	1453120_at	-1.68	0.00
6430570G24	hypothetical protein 6430570G24	1434277_a_at	-1.68	0.01
BC026432	cDNA sequence BC026432	1424506_at	-1.68	0.00
<i>Kcnk3</i>	potassium channel, subfamily K, member 3	1426058_a_at	-1.68	0.01
<i>Pla2g4e</i>	phospholipase A2, group IVE	1429862_at	-1.68	0.00
<i>Reep1</i>	Receptor accessory protein 1	1449662_at	-1.68	0.00
AI585793	expressed sequence AI585793	1438719_at	-1.68	0.00
<i>Mrpl1</i>	mitochondrial ribosomal protein L1	1423351_at	-1.68	0.00
<i>Igl-V1</i> /// 2010309G21Rik /// LOC207685 /// LOC386520	immunoglobulin lambda chain, variable 1 /// RIKEN cDNA 2010309G21 gene /// hypothetical protein LOC207685 /// similar to Ig lambda-b3 chain C region - mouse	1428720_s_at	-1.68	0.00
AI585793	Expressed sequence AI585793	1455597_at	-1.68	0.00
LOC434128	Similar to KIAA1183 protein	1435960_at	-1.68	0.00
---	12 days embryo spinal ganglion cDNA, RIKEN full-length enriched library, clone:D130046A02 product:unclassifiable, full insert sequence	1439632_at	-1.68	0.00
2900062L11Rik	RIKEN cDNA 2900062L11 gene	1428333_at	-1.68	0.00
<i>Sik38</i>	serine/threonine kinase 38	1439938_at	-1.68	0.00
<i>Camk1d</i>	calcium/calmodulin-dependent protein kinase ID	1426389_at	-1.68	0.00
B230337E12Rik	RIKEN cDNA B230337E12 gene	1434671_at	-1.68	0.00
C630002B14Rik	RIKEN cDNA C630002B14 gene	1427057_at	-1.68	0.00
D430028G21Rik	RIKEN cDNA D430028G21 gene	1439185_x_at	-1.68	0.00
<i>Thra</i>	thyroid hormone receptor alpha	1443952_at	-1.68	0.00
<i>Zfp629</i>	zinc finger protein 629	1436537_at	-1.68	0.00
<i>Il10rb</i>	interleukin 10 receptor, beta	1419455_at	-1.68	0.00
<i>Pstk</i>	phosphoseryl-tRNA kinase	1434516_at	-1.68	0.00
<i>She</i>	src homology 2 domain-containing transforming protein E	1457094_at	-1.68	0.00
1810029C22Rik	RIKEN cDNA 1810029C22 gene	1449971_a_at	-1.68	0.00
<i>Fbln1</i>	fibulin 1	1451119_a_at	-1.68	0.01
AI851716	expressed sequence AI851716	1455139_at	-1.69	0.00
<i>Trak1</i>	trafficking protein, kinesin binding 1	1428327_at	-1.69	0.00
<i>Macf1</i>	microtubule-actin crosslinking factor 1	1428848_a_at	-1.69	0.00
<i>Pura</i>	purine rich element binding protein A	1456898_at	-1.69	0.00
<i>Asb1</i>	ankyrin repeat and SOCS box-containing protein 1	1434961_at	-1.69	0.00
<i>Fbxo5</i>	F-box only protein 5	1429499_at	-1.69	0.00
<i>Als2cr19</i>	Amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 19 (human)	1445377_at	-1.69	0.00
<i>Optn</i>	optineurin	1435679_at	-1.69	0.00
D6Wsu176e	DNA segment, Chr 6, Wayne State University 176, expressed	1448904_at	-1.69	0.00
<i>Abra</i>	actin-binding Rho activating protein	1458455_at	-1.69	0.00
4930543C13Rik	RIKEN cDNA 4930543C13 gene	1430154_at	-1.69	0.00
<i>Them4</i>	thioesterase superfamily member 4	1427055_at	-1.69	0.00
<i>Ntf3</i>	neurotrophin 3	1450803_at	-1.69	0.00
1110007M04Rik	RIKEN cDNA 1110007M04 gene	1427997_at	-1.69	0.00
<i>Zfp191</i>	zinc finger protein 191	1430651_s_at	-1.69	0.00
<i>Bzw2</i>	basic leucine zipper and W2 domains 2	1423456_at	-1.69	0.00
6330505F04Rik	RIKEN cDNA 6330505F04 gene	1426832_at	-1.69	0.00
<i>Epha4</i>	Eph receptor A4	1456863_at	-1.69	0.00
<i>Bnc1</i>	basonuclin 1	1424890_at	-1.69	0.00
<i>Gcap14</i>	granule cell antiserum positive 14	1453240_a_at	-1.69	0.00
<i>Gm944</i>	gene model 944, (NCBI)	1436827_at	-1.69	0.00
<i>Snrpd3</i>	Small nuclear ribonucleoprotein D3	1449629_s_at	-1.69	0.00
---	---	1423613_at	-1.69	0.00
<i>Bace2</i>	beta-site APP-cleaving enzyme 2	1416673_at	-1.69	0.00
<i>Prps2</i>	phosphoribosyl pyrophosphate synthetase 2	1454843_at	-1.69	0.00
2410003P15Rik	RIKEN cDNA 2410003P15 gene	1448337_at	-1.69	0.00
<i>Phlpp</i>	PH domain and leucine rich repeat protein phosphatase	1426994_at	-1.69	0.00
<i>Clmn</i>	calmin	1439117_at	-1.69	0.00
<i>Ints12</i>	integrator complex subunit 12	1428985_at	-1.69	0.00
<i>Dut</i>	deoxyuridine triphosphatase	1419270_a_at	-1.69	0.00
<i>Dnajb5</i>	DnaJ (Hsp40) homolog, subfamily B, member 5	1450436_s_at	-1.70	0.00
<i>Prrx1</i>	paired related homeobox 1	1425528_at	-1.70	0.00
<i>Fahd1</i>	fumarylacetoacetate hydrolase domain containing 1	1419547_at	-1.70	0.00
<i>Mrps6</i>	mitochondrial ribosomal protein S6	1447585_s_at	-1.70	0.00
<i>Palm2</i>	paralemmin 2	1441055_at	-1.70	0.00
<i>Sik39</i>	serine/threonine kinase 39, STE20/SPS1 homolog (yeast)	1419551_s_at	-1.70	0.00
<i>Pbx1</i>	Pre B-cell leukemia transcription factor 1	1440954_at	-1.70	0.01
<i>Arpc5l</i>	actin related protein 2/3 complex, subunit 5-like	1436421_s_at	-1.70	0.00
<i>Dmx1l</i>	Dmx-like 1	1424672_at	-1.70	0.00
<i>Reep5</i>	receptor accessory protein 5	1426376_at	-1.70	0.00
<i>Tspan6</i>	tetraspanin 6	1416872_at	-1.70	0.00
<i>Rtn4ip1</i>	reticulum 4 interacting protein 1	1417668_at	-1.70	0.01
<i>Prox1</i>	prospero-related homeobox 1	1437894_at	-1.70	0.00
<i>Akr1c19</i>	aldo-keto reductase family 1, member C19	1455454_at	-1.70	0.00
<i>Iipr1</i>	inositol 1,4,5-trisphosphate receptor 1	1460203_at	-1.70	0.00
<i>Cdh2</i>	cadherin 2	1418815_at	-1.70	0.00
<i>Tmem64</i>	transmembrane protein 64	1433735_a_at	-1.70	0.00
3110031B13Rik	RIKEN cDNA 3110031B13 gene	1435696_s_at	-1.70	0.00
<i>Klhdc1</i>	kelch domain containing 1	1443932_at	-1.70	0.00
<i>Dpysl2</i>	dihydropyrimidinase-like 2	1433770_at	-1.70	0.00
2310005E10Rik	RIKEN cDNA 2310005E10 gene	1425684_at	-1.70	0.00
<i>Dyrk2</i>	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2	1436918_at	-1.70	0.00
<i>Ccdc85a</i>	coiled-coil domain containing 85A	1452332_at	-1.70	0.00
<i>Prkca</i>	protein kinase C, alpha	1450945_at	-1.70	0.00
<i>Mrc2</i>	mannose receptor, C type 2	1421045_at	-1.70	0.01
<i>Gil3</i>	gene trap locus 3	1419462_s_at	-1.70	0.00
BC028265	cDNA sequence BC028265	1452623_at	-1.70	0.00
<i>Auts2</i>	autism susceptibility candidate 2	1438680_at	-1.70	0.00
<i>Deb1</i>	differentially expressed in B16F10 1	1427955_a_at	-1.71	0.00

<i>Zfp706</i>	zinc finger protein 706	1456177	x at	-1.71	0.00
<i>Sdc2</i>	syndecan 2	1448545	at	-1.71	0.00
<i>Rgs10</i>	regulator of G-protein signalling 10	1416882	at	-1.71	0.00
---	---	1418534	at	-1.71	0.00
<i>C230078M08Rik</i>	RIKEN cDNA C230078M08 gene	1435564	at	-1.71	0.00
<i>2310067B10Rik</i>	RIKEN cDNA 2310067B10 gene	1426984	at	-1.71	0.00
<i>Ivms1abp</i>	influenza virus NS1A binding protein	1425718	a at	-1.71	0.00
<i>Pgm2l1</i>	phosphoglucomutase 2-like 1	1456478	at	-1.71	0.00
<i>Serbp1</i>	Serpine1 mRNA binding protein 1	1440195	at	-1.71	0.00
<i>Rhot2</i>	ras homolog gene family, member T2	1426822	at	-1.71	0.00
<i>Msi2</i>	Musashi homolog 2 (Drosophila)	1436818	a at	-1.71	0.00
<i>Epb4.1l3</i>	erythrocyte protein band 4.1-like 3	1419062	at	-1.71	0.00
<i>Gsn</i>	gelsolin	1437171	x at	-1.71	0.00
<i>E330009J07Rik</i>	RIKEN cDNA E330009J07 gene	1449056	at	-1.71	0.00
<i>Cnot6l</i>	CCR4-NOT transcription complex, subunit 6-like	1434311	at	-1.71	0.00
<i>Synpo2</i>	synaptopodin 2	1441206	at	-1.71	0.00
<i>A630025C20Rik</i>	RIKEN cDNA A630025C20 gene	1455121	at	-1.71	0.00
<i>Mef2c</i>	myocyte enhancer factor 2C	1451507	at	-1.71	0.00
<i>Usp18</i>	Ubiquitin specific peptidase 18	1444449	at	-1.71	0.00
<i>Kcnj14</i>	potassium inwardly-rectifying channel, subfamily J, member 14	1452243	at	-1.71	0.00
<i>Nme3</i>	expressed in non-metastatic cells 3	1448905	at	-1.71	0.00
<i>Dag1</i>	dystroglycan 1	1456131	x at	-1.71	0.00
<i>Tbx20</i>	T-box 20	1425158	at	-1.71	0.00
<i>Itga9</i>	integrin alpha 9	1460285	at	-1.71	0.00
<i>Pia2</i>	praja 2, RING-H2 motif containing	1424442	a at	-1.71	0.00
<i>Kifc3</i>	kinesin family member C3	1416199	at	-1.71	0.00
<i>Ccdc80</i>	coiled-coil domain containing 80	1424186	at	-1.71	0.01
<i>Tmem51</i>	transmembrane protein 51	1424383	at	-1.71	0.00
<i>F3</i>	coagulation factor III	1417408	at	-1.71	0.00
---	---	1442593	at	-1.71	0.00
<i>Rbbp6</i>	retinoblastoma binding protein 6	1425115	at	-1.71	0.00
<i>Mak10</i>	MAK10 homolog, amino-acid N-acetyltransferase subunit, (S. cerevisiae)	1433570	s at	-1.71	0.00
<i>Glt28d2</i>	glycosyltransferase 28 domain containing 2	1455455	at	-1.71	0.00
<i>1810014B01Rik</i>	RIKEN cDNA 1810014B01 gene	1429260	at	-1.71	0.00
<i>Ythd3</i>	YTH domain family 3	1426840	at	-1.72	0.00
<i>Wdr40b</i>	WD repeat domain 40B	1434170	at	-1.72	0.00
<i>Fzd7</i>	frizzled homolog 7 (Drosophila)	1450044	at	-1.72	0.00
<i>Trf</i>	transferrin	1425546	a at	-1.72	0.00
<i>5430431D22Rik</i>	RIKEN cDNA 5430431D22 gene	1431110	at	-1.72	0.00
<i>9630058J23Rik</i>	RIKEN cDNA 9630058J23 gene	1436795	at	-1.72	0.00
<i>Msi2</i>	Musashi homolog 2 (Drosophila)	1435520	at	-1.72	0.00
<i>Mef2c</i>	Myocyte enhancer factor 2C	1446484	at	-1.72	0.00
<i>Cep68</i>	centrosomal protein 68	1436034	at	-1.72	0.00
<i>Ptger3</i>	prostaglandin E receptor 3 (subtype EP3)	1450344	a at	-1.72	0.00
<i>Oxa1l</i>	oxidase assembly 1-like	1423738	at	-1.72	0.00
<i>Omd</i>	osteonodulin	1418745	at	-1.72	0.00
<i>2310047C04Rik</i>	RIKEN cDNA 2310047C04 gene	1458439	a at	-1.72	0.00
<i>Cdh2</i>	Cadherin 2	1439307	at	-1.72	0.00
<i>Rcor3</i>	REST corepressor 3	1442538	at	-1.72	0.00
<i>Serbp1</i>	Serpine1 mRNA binding protein 1	1418565	at	-1.72	0.00
<i>Arhgap20</i>	Rho GTPase activating protein 20	1429918	at	-1.72	0.00
<i>Pitpnc1</i>	phosphatidylinositol transfer protein, cytoplasmic 1	1431074	a at	-1.72	0.01
<i>Opa3</i>	optic atrophy 3 (human)	1455131	at	-1.72	0.00
<i>Sncaip</i>	synuclein, alpha interacting protein (synphilin)	1423499	at	-1.72	0.00
<i>322402P14Rik</i>	RIKEN cDNA 322402P14 gene	1455091	at	-1.72	0.00
<i>Runx1t1</i>	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	1444615	x at	-1.72	0.00
<i>Zfp397</i>	zinc finger protein 397	1435664	at	-1.72	0.00
<i>Cox7c</i>	cytochrome c oxidase, subunit VIIc	1459885	s at	-1.73	0.00
<i>Stmn1</i>	stathmin 1	1415849	s at	-1.73	0.00
<i>Chchd7</i>	Coiled-coil-helix-coiled-coil-helix domain containing 7	1444318	at	-1.73	0.00
<i>Bri3bp</i>	Bri3 binding protein	1428744	s at	-1.73	0.00
<i>Rnf128</i>	ring finger protein 128	1418318	at	-1.73	0.00
<i>Mbnl1</i>	muscleblind-like 1 (Drosophila)	1457924	at	-1.73	0.00
<i>Lamb2</i>	laminin, beta 2	1416513	at	-1.73	0.00
<i>Tspan3</i>	tetraspanin 3	1416009	at	-1.73	0.00
<i>Nudt21</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 21	1428339	at	-1.73	0.00
<i>Nr3c1</i>	nuclear receptor subfamily 3, group C, member 1	1421866	at	-1.73	0.00
<i>Sdc1</i>	syndecan 1	1415943	at	-1.73	0.00
<i>D19Wsu12e</i>	DNA segment, Chr 19, Wayne State University 12, expressed	1433702	at	-1.73	0.00
<i>C630002B14Rik</i>	RIKEN cDNA C630002B14 gene	1443558	s at	-1.73	0.00
<i>Tbc1d4</i>	TBC1 domain family, member 4	1455903	at	-1.73	0.00
<i>5430405N12Rik</i>	RIKEN cDNA 5430405N12 gene	1456070	at	-1.73	0.00
<i>2210010L05Rik</i>	RIKEN cDNA 2210010L05 gene	1424464	s at	-1.73	0.00
<i>Tesc</i>	tescalcin	1418743	a at	-1.73	0.00
<i>Tmem108</i>	transmembrane protein 108	1454729	at	-1.73	0.00
<i>Prdm1</i>	PR domain containing 1, with ZNF domain	1420425	at	-1.73	0.00
<i>Pea15</i>	phosphoprotein enriched in astrocytes 15	1416406	at	-1.73	0.00
<i>Hfe2</i>	hemochromatosis type 2 (juvenile) (human homolog)	1454137	s at	-1.73	0.00
<i>Ube2g1</i>	ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)	1455094	s at	-1.73	0.00
---	Transcribed locus	1435935	at	-1.73	0.00
<i>2310067E19Rik</i>	RIKEN cDNA 2310067E19 gene	1453448	at	-1.74	0.00
<i>Ebf1</i>	early B-cell factor 1	1448293	at	-1.74	0.00
<i>Pde4d</i>	Phosphodiesterase 4D, cAMP specific	1443289	at	-1.74	0.00
<i>Plxnc1</i>	plexin C1	1423213	at	-1.74	0.00
<i>Fcmd</i>	Fukuyama type congenital muscular dystrophy homolog (human)	1446624	at	-1.74	0.00
<i>Pura</i>	purine rich element binding protein A	1453783	at	-1.74	0.00
<i>G430002G23Rik</i>	RIKEN cDNA G430002G23 gene	1416804	at	-1.74	0.00
<i>D4Bwg0951e</i>	DNA segment, Chr 4, Brigham & Women's Genetics 0951 expressed	1428384	at	-1.74	0.00
<i>Arhgef9</i>	Cdc42 guanine nucleotide exchange factor (GEF) 9	1436577	at	-1.74	0.00
<i>Dip2c</i>	DIP2 disco-interacting protein 2 homolog C (Drosophila)	1429064	at	-1.74	0.00
<i>Trak1</i>	trafficking protein, kinesin binding 1	1456755	at	-1.74	0.00
<i>Kitl</i>	kit ligand	1426152	a at	-1.74	0.00
<i>Spsb4</i>	splA/ryanodine receptor domain and SOCS box containing 4	1451419	at	-1.74	0.01
---	0 day neonate cerebellum cDNA, RIKEN full-length enriched library, clone:C230004E12 product.hypothetical protein, full insert sequence	1443306	_at	-1.74	0.00
<i>Xrcc2</i>	X-ray repair complementing defective repair in Chinese hamster cells 2	1455335	at	-1.74	0.00
<i>Htra1</i>	HtrA serine peptidase 1	1416749	at	-1.74	0.00

<i>Etv1</i>	ets variant gene 1	1450684 at	-1.74	0.00
<i>Col6a2</i>	procollagen, type VI, alpha 2	1426947 x at	-1.74	0.01
<i>Auts2</i>	Autism susceptibility candidate 2	1441869 x at	-1.74	0.00
<i>6430510M02Rik</i>	RIKEN cDNA 6430510M02 gene	1457218 at	-1.74	0.00
<i>Serpina1a // Serpina1b</i>	serine (or cysteine) peptidase inhibitor, clade A, member 1a // serine (or cysteine) peptidase inhibitor, clade A, member 1b	1451513_x_at	-1.74	0.01
<i>Plekhh1</i>	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	1452517 at	-1.74	0.00
<i>LOC676870</i>	region containing RIKEN cDNA 2310056B04 gene; pre B-cell leukemia transcription factor 1	1428647_at	-1.74	0.00
<i>Pfkf</i>	phosphofructokinase, liver, B-type	1439148 a at	-1.74	0.00
<i>Zfp706</i>	zinc finger protein 706	1426678 at	-1.74	0.00
<i>Gpd2</i>	glycerol phosphate dehydrogenase 2, mitochondrial	1428323 at	-1.74	0.00
<i>Magi2</i>	Membrane associated guanylate kinase, WW and PDZ domain containing 2	1440807 at	-1.74	0.00
<i>4833423F13Rik</i>	RIKEN cDNA 4833423F13 gene	1430622 at	-1.74	0.00
<i>Nr1d1</i>	nuclear receptor subfamily 1, group D, member 1	1426464 at	-1.74	0.00
<i>Phldb1</i>	pleckstrin homology-like domain, family B, member 1	1424468 s at	-1.75	0.00
---	PREDICTED: Mus musculus hypothetical LOC434436 (LOC434436), mRNA	1447393 at	-1.75	0.00
<i>Mkks</i>	McKusick-Kaufman syndrome protein	1454014 a at	-1.75	0.00
<i>2310047C04Rik</i>	RIKEN cDNA 2310047C04 gene	1454878 at	-1.75	0.00
<i>Pi16</i>	peptidase inhibitor 16	1453839 a at	-1.75	0.01
<i>Prkag2</i>	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	1423831 at	-1.75	0.00
<i>Tmem48</i>	transmembrane protein 48	1433813 at	-1.75	0.00
<i>Ptprd</i>	Protein tyrosine phosphatase, receptor type, D	1443053 at	-1.75	0.00
---	---	1437987 at	-1.75	0.00
<i>Sec14l1</i>	SEC14-like 1 (S. cerevisiae)	1453412 a at	-1.75	0.00
<i>Zb1b20</i>	Zinc finger and BTB domain containing 20	1440565 at	-1.75	0.00
<i>Prickle1</i>	Prickle like 1 (Drosophila)	1442400 at	-1.75	0.00
<i>Tbx20</i>	T-box 20	1453351 at	-1.75	0.00
<i>Kcnp2</i>	Kv channel-interacting protein 2	1425870 a at	-1.75	0.01
<i>A530016L24Rik</i>	RIKEN cDNA A530016L24 gene	1451606 at	-1.75	0.00
---	---	1433968 a at	-1.75	0.00
<i>Dnmt3a</i>	DNA methyltransferase 3A	1423066 at	-1.75	0.00
<i>Fbxl7</i>	F-box and leucine-rich repeat protein 7	1457966 at	-1.75	0.00
<i>Mgrn1</i>	mahogunin, ring finger 1	1454645 at	-1.75	0.00
<i>Podxl</i>	podocalyxin-like	1448688 at	-1.75	0.01
<i>2810416A17Rik</i>	RIKEN cDNA 2810416A17 gene	1433266 at	-1.75	0.00
<i>2410022L05Rik</i>	RIKEN cDNA 2410022L05 gene	1420113 s at	-1.76	0.00
<i>B3galnt2</i>	UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, polypeptide 2	1454842 a at	-1.76	0.00
<i>Slc8a1</i>	Solute carrier family 8 (sodium/calcium exchanger), member 1	1444985 at	-1.76	0.00
<i>Rbm3</i>	RNA binding motif protein 3	1429169 at	-1.76	0.00
---	Transcribed locus	1438078 at	-1.76	0.00
<i>Tmcc2</i>	transmembrane and coiled-coil domains 2	1452666 a at	-1.76	0.00
<i>Slc25a29</i>	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter), member 29	1438187_at	-1.76	0.00
<i>4930402H24Rik</i>	RIKEN cDNA 4930402H24 gene	1453465 x at	-1.76	0.00
<i>Gpsm1</i>	G-protein signalling modulator 1 (AGS3-like, C. elegans)	1436917 s at	-1.76	0.01
<i>H2-Aa</i>	histocompatibility 2, class II antigen A, alpha	1435290 x at	-1.76	0.00
<i>Mrpl45</i>	mitochondrial ribosomal protein L45	1423492 at	-1.76	0.00
<i>Zfyve21</i>	zinc finger, FYVE domain containing 21	1424670 s at	-1.76	0.00
<i>Ube2n</i>	ubiquitin-conjugating enzyme E2N	1435384 at	-1.76	0.00
<i>Smpd1</i>	sphingomyelin phosphodiesterase 1, acid lysosomal	1448621 a at	-1.76	0.00
---	---	1434581 at	-1.76	0.00
<i>1190017O12Rik</i>	RIKEN cDNA 1190017O12 gene	1417402 at	-1.76	0.00
<i>Zfp238</i>	zinc finger protein 238	1417010 at	-1.76	0.00
<i>1110012J17Rik</i>	RIKEN cDNA 1110012J17 gene	1429053 at	-1.76	0.00
<i>Pdzd3</i>	PDZ domain containing 3	1449330 at	-1.76	0.00
<i>Sncg</i>	synuclein, gamma	1417788 at	-1.76	0.00
<i>Arhgap5</i>	Rho GTPase activating protein 5	1450896 at	-1.76	0.00
<i>Atp8a1</i>	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	1444355 at	-1.76	0.00
---	---	1443534 at	-1.76	0.01
<i>Ets1</i>	E26 avian leukemia oncogene 1, 5' domain	1452163 at	-1.76	0.00
<i>Cpox</i>	coproporphyrinogen oxidase	1422492 at	-1.76	0.00
<i>Snai2</i>	snail homolog 2 (Drosophila)	1418673 at	-1.76	0.00
---	12 days embryo spinal cord cDNA, RIKEN full-length enriched library, clone: C530050B12 product: unclassifiable, full insert sequence	1439035_at	-1.76	0.00
<i>Elk3</i>	ELK3, member of ETS oncogene family	1448797 at	-1.76	0.00
<i>Cables1 // LOC635753</i>	Cdk5 and Abl enzyme substrate 1 // similar to Cdk5 and Abl enzyme substrate 1	1422477 at	-1.76	0.00
<i>Srpk2</i>	serine/arginine-rich protein specific kinase 2	1417134 at	-1.77	0.00
<i>C230093N12Rik</i>	RIKEN cDNA C230093N12 gene	1426893 at	-1.77	0.00
---	---	1446963 at	-1.77	0.00
---	Transcribed locus	1456885 at	-1.77	0.00
<i>Gnb11</i>	Guanine nucleotide binding protein (G protein), beta polypeptide 1-like	1441391 at	-1.77	0.00
<i>Glt25d2</i>	glycosyltransferase 25 domain containing 2	1437930 at	-1.77	0.00
<i>D4Erid429e</i>	DNA segment, Chr 4, ERATO Doi 429, expressed	1454868 at	-1.77	0.00
<i>Zfyve21</i>	zinc finger, FYVE domain containing 21	1424669 at	-1.77	0.00
<i>Yip4</i>	Yip1 domain family, member 4	1450418 a at	-1.77	0.00
<i>Aspa</i>	aspartoacylase (aminoacylase) 2	1418472 at	-1.77	0.00
<i>AU041783</i>	expressed sequence AU041783	1436870 s at	-1.77	0.01
<i>Hemk1</i>	HemK methyltransferase family member 1	1430287 s at	-1.77	0.00
<i>Nek1</i>	NIMA (never in mitosis gene a)-related expressed kinase 1	1434267 at	-1.77	0.00
<i>Bdh1</i>	3-hydroxybutyrate dehydrogenase, type 1	1452257 at	-1.77	0.00
<i>2410005O16Rik</i>	RIKEN cDNA 2410005O16 gene	1457999 at	-1.77	0.00
<i>Olfm1</i>	olfactomedin 1	1425784 a at	-1.77	0.00
---	Transcribed locus	1440411 at	-1.77	0.00
<i>B230317C12Rik</i>	RIKEN cDNA B230317C12 gene	1417147 at	-1.77	0.00
<i>Chordc1</i>	Cysteine and histidine-rich domain (CHORD)-containing, zinc-binding protein 1	1435574 at	-1.77	0.00
<i>Ankrd50</i>	ankrin repeat domain 50	1435880 at	-1.77	0.00
<i>Pgm5</i>	phosphoglucomutase 5	1437871 at	-1.77	0.00
<i>Ncald</i>	neurocalcin delta	1417568 at	-1.77	0.00
<i>Slc22a1</i>	solute carrier family 22 (organic cation transporter), member 1	1418118 at	-1.77	0.00
<i>Mrpl19</i>	mitochondrial ribosomal protein L19	1421914 s at	-1.78	0.00
<i>Rcbt2</i>	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	1416390_at	-1.78	0.00
<i>Cx3cr1</i>	chemokine (C-X3-C) receptor 1	1450020 at	-1.78	0.00
<i>Lpgat1</i>	lysophosphatidylglycerol acyltransferase 1	1424350 s at	-1.78	0.00
<i>Etv1</i>	ets variant gene 1	1422607 at	-1.78	0.00
<i>Lace1</i>	lactation elevated 1	1427073 at	-1.78	0.00

4930533K18Rik /// Bicc1	RIKEN cDNA 4930533K18 gene /// bicaudal C homolog 1 (Drosophila)	1436029 at	-1.78	0.00
Ccdc3	coiled-coil domain containing 3	1428549 at	-1.78	0.00
Tbx3	T-box 3	1437479 x at	-1.78	0.00
Larp5	La ribonucleoprotein domain family, member 5	1434597 at	-1.78	0.00
Atxn1	Ataxin 1	1457605 at	-1.78	0.00
Pde3b	phosphodiesterase 3B, cGMP-inhibited	1433694 at	-1.78	0.00
Ebfl	Early B-cell factor 1	1441627 at	-1.78	0.00
Mterfd3	MTERF domain containing 3	1455700 at	-1.78	0.00
Cideb	cell death-inducing DNA fragmentation factor, alpha subunit-like effector B	1418976 s at	-1.78	0.00
Tmem25	transmembrane protein 25	1452962 at	-1.78	0.00
Rragd	Ras-related GTP binding D	1434909 at	-1.78	0.00
Itpkb	inositol 1,4,5-trisphosphate 3-kinase B	1441058 at	-1.78	0.00
Iffl81	intraflagellar transport 81 homolog (Chlamydomonas)	1449407 at	-1.78	0.00
---	Adult male hypothalamus cDNA, RIKEN full-length enriched library, clone:A230069E07 product:unclassifiable, full insert sequence	1456813 at	-1.78	0.01
Rgs4	regulator of G-protein signaling 4	1416286 at	-1.78	0.00
Itpkb	inositol 1,4,5-trisphosphate 3-kinase B	1435272 at	-1.78	0.00
Bmp6	bone morphogenetic protein 6	1450759 at	-1.78	0.00
Fcmd	Fukuyama type congenital muscular dystrophy homolog (human)	1435801 at	-1.78	0.00
1200009O22Rik	RIKEN cDNA 1200009O22 gene	1452961 at	-1.78	0.00
Adcv5	adenylate cyclase 5	1455296 at	-1.78	0.00
Gpm6a	glycoprotein m6a	1426442 at	-1.78	0.00
D530005L17Rik	RIKEN cDNA D530005L17 gene	1451469 at	-1.78	0.00
Nfia	nuclear factor I/A	1446990 at	-1.78	0.00
Yip7	Yip1 domain family, member 7	1422927 at	-1.78	0.00
Tgfb1	transforming growth factor, beta induced	1437463 x at	-1.78	0.00
A830039H10Rik	RIKEN cDNA A830039H10 gene	1456712 at	-1.78	0.00
---	---	1455690 at	-1.78	0.00
Phf17	PHD finger protein 17	1426752 at	-1.78	0.00
Vegfa	vascular endothelial growth factor A	1451959 a at	-1.78	0.00
Asph	aspartate-beta-hydroxylase	1450058 at	-1.78	0.00
Pvr13	poliovirus receptor-related 3	1448673 at	-1.79	0.00
Ppp1r12b	protein phosphatase 1, regulatory (inhibitor) subunit 12B	1434786 at	-1.79	0.00
Ptpla	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	1457434 s at	-1.79	0.00
Oact2	O-acyltransferase (membrane bound) domain containing 2	1425029 a at	-1.79	0.00
Centg2	centaurin, gamma 2	1435433 at	-1.79	0.00
Zfp462	Zinc finger protein 462	1456789 at	-1.79	0.00
2700049H19Rik	RIKEN cDNA 2700049H19 gene	1427112 at	-1.79	0.00
Ephx1	epoxide hydrolase 1, microsomal	1422438 at	-1.79	0.01
Ncald	Neurocalcin delta	1458037 at	-1.79	0.00
1200009F10Rik	RIKEN cDNA 1200009F10 gene	1429065 at	-1.79	0.00
Slit2	slit homolog 2 (Drosophila)	1424659 at	-1.79	0.00
---	---	1457227 at	-1.79	0.00
Tfrc	transferrin receptor	1422966 a at	-1.79	0.01
Tubb2c	tubulin, beta 2c	1423642 at	-1.79	0.00
Mapre2	microtubule-associated protein, RP/EB family, member 2	1451990 at	-1.79	0.00
Itp2	inositol 1,4,5-trisphosphate receptor 2	1424833 at	-1.79	0.00
Pitpnc1	phosphatidylinositol transfer protein, cytoplasmic 1	1452939 a at	-1.79	0.00
---	0 day neonate thymus cDNA, RIKEN full-length enriched library, clone:A430079C03 product:unclassifiable, full insert sequence	1455601 at	-1.79	0.00
Abtb2	ankyrin repeat and BTB (POZ) domain containing 2	1433453 a at	-1.79	0.00
Amd1	S-adenosylmethionine decarboxylase 1	1448484 at	-1.79	0.00
Rhobtb3	Rho-related BTB domain containing 3	1433647 s at	-1.79	0.00
Heph	hephaestin	1448696 at	-1.79	0.00
Hmgb3	high mobility group box 3	1416155 at	-1.80	0.00
Crhr2	corticotropin releasing hormone receptor 2	1422012 at	-1.80	0.00
Cdon	cell adhesion molecule-related/down-regulated by oncogenes	1434957 at	-1.80	0.00
Gmps	guanine monophosphate synthetase	1435656 at	-1.80	0.00
Slc6a6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	1421346 a at	-1.80	0.01
4931420C21Rik	RIKEN cDNA 4931420C21 gene	1418749 at	-1.80	0.00
Tob1	transducer of ErbB-2.1	1423176 at	-1.80	0.00
Camd1	cullin associated and neddylation disassociated 1	1435781 at	-1.80	0.00
Acvr2a	Activin receptor IIA	1437382 at	-1.80	0.00
Tial1	Tial1 cytotoxic granule-associated RNA binding protein-like 1	1452821 at	-1.80	0.00
---	---	1438537 at	-1.80	0.00
Pde7a	phosphodiesterase 7A	1423313 at	-1.80	0.00
1110007M04Rik	RIKEN cDNA 1110007M04 gene	1435333 at	-1.80	0.00
Gstt1	glutathione S-transferase, theta 1	1418186 at	-1.80	0.01
Acvr2a	Activin receptor IIA	1439643 at	-1.80	0.00
Nudt8	nudix (nucleoside diphosphate linked moiety X)-type motif 8	1450111 a at	-1.80	0.00
A930008G19Rik	RIKEN cDNA A930008G19 gene	1455428 at	-1.80	0.00
Homer1	homer homolog 1 (Drosophila)	1421768 a at	-1.80	0.00
Zfp306	zinc finger protein 306	1437892 at	-1.80	0.00
Slc38a1	solute carrier family 38, member 1	1454764 s at	-1.80	0.00
Abcb7	ATP-binding cassette, sub-family B (MDR/TAP), member 7	1435006 s at	-1.80	0.00
Nudt3	nudix (nucleotide diphosphate linked moiety X)-type motif 3	1451575 a at	-1.80	0.00
C230093N12Rik	RIKEN cDNA C230093N12 gene	1426894 s at	-1.80	0.00
Osbp1a	oxysterol binding protein-like 1A	1460192 at	-1.80	0.00
Ankrd25	ankyrin repeat domain 25	1460559 at	-1.80	0.00
Narf	nuclear prelamin A recognition factor	1425344 at	-1.80	0.00
1700110N18Rik	RIKEN cDNA 1700110N18 gene	1430596 s at	-1.80	0.00
Ccdc21	coiled-coil domain containing 21	1451212 at	-1.81	0.00
Ehbp1	EH domain binding protein 1	1442772 at	-1.81	0.00
Ivns1abp	influenza virus NS1A binding protein	1450084 s at	-1.81	0.00
Loarf2	LON peptidase N-terminal domain and ring finger 2	1429965 at	-1.81	0.00
Mrp13	Mitochondrial ribosomal protein L3	1440636 at	-1.81	0.00
Map2k6	mitogen activated protein kinase kinase 6	1426850 a at	-1.81	0.00
Irx4	Iroquois related homeobox 4 (Drosophila)	1419539 at	-1.81	0.00
---	Adult male urinary bladder cDNA, RIKEN full-length enriched library, clone:9530098H01 product:unclassifiable, full insert sequence	1439362 at	-1.81	0.00
Waspip	Wiskott-Aldrich syndrome protein interacting protein	1436954 at	-1.81	0.00
Gnb5	guanine nucleotide binding protein, beta 5	1422208 a at	-1.81	0.00
2900054C01Rik	RIKEN cDNA 2900054C01 gene	1429625 at	-1.81	0.00
Mum11	melanoma associated antigen (mutated) 1-like 1	1455238 at	-1.81	0.00
Bmp6	Bone morphogenetic protein 6	1459947 at	-1.81	0.00
Smpd3a	sphingomyelin phosphodiesterase, acid-like 3A	1416635 at	-1.81	0.00
Pdss1	prenyl (solanesyl) diphosphate synthase, subunit 1	1431893 a at	-1.81	0.00

<i>Tgfb3</i>	transforming growth factor, beta 3	1417455 at	-1.81	0.00
<i>Mrpl34</i>	mitochondrial ribosomal protein L34	1416349 at	-1.81	0.00
<i>Ccnd2</i>	cyclin D2	1434745 at	-1.81	0.00
<i>5730472N09Rik</i>	RIKEN cDNA 5730472N09 gene	1454621 s at	-1.81	0.00
<i>Myl4</i>	myosin, light polypeptide 4	1422580 at	-1.81	0.00
<i>Ptprla</i>	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	1456315 a at	-1.81	0.00
<i>3222402P14Rik</i>	RIKEN cDNA 3222402P14 gene	1437869 at	-1.81	0.00
<i>Kcnk2</i>	potassium channel, subfamily K, member 2	1449158 at	-1.81	0.00
<i>AW547186</i>	expressed sequence AW547186	1433854 at	-1.81	0.00
<i>Gsn</i>	gelsolin	1436991 x at	-1.81	0.00
<i>Zfp422-rs1</i>	zinc finger protein 422, related sequence 1	1429560 at	-1.81	0.00
<i>Nrxn1</i>	neurexin 1	1454691 at	-1.81	0.00
---	16 days neonate heart cDNA, RIKEN full-length enriched library, clone:D830033B01 product:unclassifiable, full insert sequence	1444153_at	-1.81	0.01
<i>Tspan18</i>	tetraspanin 18	1442174 at	-1.81	0.00
<i>Mgl1</i>	monoglyceride lipase	1453836 a at	-1.82	0.00
<i>Ahr</i>	aryl-hydrocarbon receptor	1422631 at	-1.82	0.00
---	---	1458099 at	-1.82	0.00
<i>Farp2</i>	FERM, RhoGEF and pleckstrin domain protein 2	1435985 at	-1.82	0.00
<i>Grhl2</i>	grainyhead-like 2 (Drosophila)	1427046 at	-1.82	0.00
<i>LOC667373 /// LOC669129 /// LOC676702</i>	similar to interferon-induced protein with tetratricopeptide repeats 1 /// similar to interferon-induced protein with tetratricopeptide repeats 1 /// similar to interferon-induced protein with tetratricopeptide repeats 1	1435529_at	-1.82	0.00
<i>2400010G15Rik</i>	RIKEN cDNA 2400010G15 gene	1424259 at	-1.82	0.00
<i>9930024M15Rik</i>	RIKEN cDNA 9930024M15 gene	1457801 at	-1.82	0.00
<i>Camk2n1</i>	calcium/calmodulin-dependent protein kinase II inhibitor 1	1456609 at	-1.82	0.00
<i>Acrv1</i>	activin A receptor, type 1	1448460 at	-1.82	0.00
<i>Frzb</i>	frizzled-related protein	1416658 at	-1.82	0.00
<i>Tbc1d16</i>	TBC1 domain family, member 16	1435763 at	-1.82	0.00
<i>2700089E24Rik</i>	RIKEN cDNA 2700089E24 gene	1453208 at	-1.82	0.00
<i>Gata4</i>	GATA binding protein 4	1418863 at	-1.82	0.00
<i>1500001A10Rik</i>	RIKEN cDNA 1500001A10 gene	1435062 at	-1.82	0.00
<i>Mgl1</i>	monoglyceride lipase	1426785 s at	-1.82	0.00
<i>A1663975</i>	Expressed sequence A1663975	1440084 at	-1.82	0.00
<i>Mrpl18</i>	mitochondrial ribosomal protein L18	1448373 at	-1.82	0.00
<i>Rab21</i>	RAB21, member RAS oncogene family	1437742 at	-1.82	0.00
<i>Prox1</i>	prospero-related homeobox 1	1457432 at	-1.82	0.00
<i>Nkiras1</i>	NFKB inhibitor interacting Ras-like protein 1	1428503 a at	-1.82	0.00
<i>Frmd6</i>	FERM domain containing 6	1451264 at	-1.82	0.00
<i>Ptprb</i>	protein tyrosine phosphatase, receptor type, B	1427486 at	-1.83	0.00
<i>Hrsp12</i>	heat-responsive protein 12	1428326 s at	-1.83	0.00
<i>BC017612</i>	cDNA sequence BC017612	1419403 at	-1.83	0.00
<i>9930021J17Rik</i>	RIKEN cDNA 9930021J17 gene	1437371 at	-1.83	0.00
<i>Kbtbd3</i>	kelch repeat and BTB (POZ) domain containing 3	1439062 at	-1.83	0.00
<i>1700113I22Rik</i>	RIKEN cDNA 1700113I22 gene	1454256 s at	-1.83	0.00
<i>Rgs2</i>	regulator of G-protein signaling 2	1419247 at	-1.83	0.00
<i>AW547186</i>	expressed sequence AW547186	1454741 s at	-1.83	0.00
<i>Il17d</i>	interleukin 17D	1435714 x at	-1.83	0.00
<i>Plekha6</i>	pleckstrin homology domain containing, family A member 6	1427149 at	-1.83	0.00
<i>Slc4a4</i>	solute carrier family 4 (anion exchanger), member 4	1426432 a at	-1.83	0.00
<i>Gtl2</i>	GTL2, imprinted maternally expressed untranslated mRNA	1436713 s at	-1.83	0.00
<i>Entpd5</i>	ectonucleoside triphosphate diphosphohydrolase 5	1417384 at	-1.83	0.00
<i>E430002G05Rik</i>	RIKEN cDNA E430002G05 gene	1433529 at	-1.83	0.00
<i>Iff81</i>	intraflagellar transport 81 homolog (Chlamydomonas)	1419286 s at	-1.83	0.00
<i>6330403M23Rik</i>	RIKEN cDNA 6330403M23 gene	1455538 at	-1.83	0.00
<i>1110019J04Rik</i>	RIKEN cDNA 1110019J04 gene	1415733 a at	-1.83	0.00
<i>Ar</i>	androgen receptor	1437064 at	-1.83	0.00
<i>Ndn</i>	necdin	1415923 at	-1.83	0.00
<i>Ndn</i>	necdin	1455792 x at	-1.83	0.00
<i>Clen3</i>	chloride channel 3	1433486 at	-1.83	0.00
<i>5730472N09Rik</i>	RIKEN cDNA 5730472N09 gene	1449714 at	-1.83	0.00
<i>Ndn</i>	necdin	1435383 x at	-1.83	0.00
<i>Vav3</i>	vav 3 oncogene	1417122 at	-1.83	0.00
<i>Npy1r</i>	neuropeptide Y receptor Y1	1421471 at	-1.83	0.00
<i>Ube2a</i>	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	1417609 at	-1.84	0.00
<i>Pea15</i>	Phosphoprotein enriched in astrocytes 15	1459733 at	-1.84	0.00
<i>Plagl1</i>	pleiomorphic adenoma gene-like 1	1426208 x at	-1.84	0.00
<i>Hccs</i>	holocytochrome c synthetase	1420889 at	-1.84	0.00
<i>A930008G19Rik</i>	RIKEN cDNA A930008G19 gene	1431173 at	-1.84	0.00
<i>Arhgef6</i>	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	1429012 at	-1.84	0.00
<i>D030029J20Rik</i>	RIKEN cDNA D030029J20 gene	1437885 at	-1.84	0.00
<i>Tspan6</i>	tetraspanin 6	1448501 at	-1.84	0.00
<i>1700021F05Rik</i>	RIKEN cDNA 1700021F05 gene	1421019 at	-1.84	0.00
<i>Pfkm</i>	phosphofruktokinase, muscle	1416780 at	-1.84	0.00
<i>Vegfc</i>	vascular endothelial growth factor C	1419417 at	-1.84	0.00
<i>Sfrp2</i>	secreted frizzled-related protein 2	1448201 at	-1.84	0.00
<i>Fhod3</i>	formin homology 2 domain containing 3	1435551 at	-1.84	0.00
<i>Gga2</i>	golgi associated, gamma adaptin ear containing, ARF binding protein 2	1428141 at	-1.84	0.00
<i>Rgnef</i>	Rho-guanine nucleotide exchange factor	1419458 at	-1.84	0.00
<i>Nhlrc1</i>	NHL repeat containing 1	1435213 at	-1.84	0.00
<i>Lbh</i>	limb-bud and heart	1429088 at	-1.84	0.00
<i>Thy1</i>	thymus cell antigen 1, theta	1423135 at	-1.84	0.00
<i>6430514L14Rik</i>	RIKEN cDNA 6430514L14 gene	1425213 at	-1.84	0.00
<i>Ndn</i>	necdin	1435382 at	-1.84	0.00
<i>Aldh5a1</i>	aldehyde dehydrogenase family 5, subfamily A1	1453065 at	-1.85	0.00
<i>C030018P15Rik</i>	RIKEN cDNA C030018P15 gene	1419940 at	-1.85	0.00
<i>Cacna1c</i>	Calcium channel, voltage-dependent, L type, alpha 1C subunit	1441679 at	-1.85	0.00
<i>Dbh</i>	dopamine beta hydroxylase	1459848 x at	-1.85	0.00
<i>Ebf3</i>	early B-cell factor 3	1452751 at	-1.85	0.00
<i>Ppapdc3</i>	phosphatidic acid phosphatase type 2 domain containing 3	1424362 at	-1.85	0.00
<i>Dach1</i>	Dachshund 1 (Drosophila)	1447174 at	-1.85	0.01
<i>Elov15</i>	ELOVL family member 5, elongation of long chain fatty acids (yeast)	1437211 x at	-1.85	0.00
<i>Cacnb2</i>	calcium channel, voltage-dependent, beta 2 subunit	1452476 at	-1.85	0.00
<i>Klhl23</i>	kelch-like 23 (Drosophila)	1435743 at	-1.85	0.00
<i>Vil2</i>	villin 2	1450850 at	-1.85	0.00
<i>1110003E01Rik</i>	RIKEN cDNA 1110003E01 gene	1416767 a at	-1.85	0.00
<i>Zfp715</i>	zinc finger protein 715	1434461 at	-1.85	0.00

<i>Shox2</i>	short stature homeobox 2	1438042 at	-1.85	0.00
<i>Syne1</i>	synaptic nuclear envelope 1	1421545 a at	-1.85	0.00
<i>Rora</i>	RAR-related orphan receptor alpha	1457177 at	-1.85	0.00
<i>Zc3h8</i>	zinc finger CCCH type containing 8	1418495 at	-1.85	0.00
<i>Cacna2d1</i>	Calcium channel, voltage-dependent, alpha2/delta subunit 1	1446324 at	-1.85	0.00
<i>Pp1fr</i>	placental protein 11 related	1449938 at	-1.85	0.00
<i>Tnfrsf8</i>	tumor necrosis factor, alpha-induced protein 8	1416950 at	-1.85	0.00
<i>AA407270</i>	expressed sequence AA407270	1455180 at	-1.86	0.00
<i>1110003F05Rik</i>	RIKEN cDNA 1110003F05 gene	1441964 at	-1.86	0.00
<i>Myo10</i>	Myosin X	1427363 at	-1.86	0.00
<i>Pitpnc1</i>	phosphatidylinositol transfer protein, cytoplasmic 1	1428878 a at	-1.86	0.00
<i>Dkk3</i>	dickkopf homolog 3 (Xenopus laevis)	1417312 at	-1.86	0.00
<i>Stard10</i>	START domain containing 10	1448956 at	-1.86	0.00
<i>Lims1</i>	LIM and senescent cell antigen-like domains 1	1418232 s at	-1.86	0.00
<i>Camk1d</i>	Calcium/calmodulin-dependent protein kinase ID	1438643 at	-1.86	0.00
<i>Narf</i>	nuclear prelamin A recognition factor	1451678 at	-1.86	0.00
<i>Tnxb</i>	tenascin XB	1450798 at	-1.86	0.01
<i>5730409N24Rik</i>	RIKEN cDNA 5730409N24 gene	1430362 at	-1.87	0.01
<i>Samd12</i>	sterile alpha motif domain containing 12	1458114 at	-1.87	0.00
<i>Kcnd3</i>	potassium voltage-gated channel, Shal-related family, member 3	1435720 at	-1.87	0.00
<i>Dact1</i>	dapper homolog 1, antagonist of beta-catenin (Xenopus)	1417937 at	-1.87	0.00
<i>AA536749</i>	expressed sequence AA536749	1456763 at	-1.87	0.00
<i>Atp1b2</i>	ATPase, Na ⁺ /K ⁺ transporting, beta 2 polypeptide	1435148 at	-1.87	0.00
<i>Metm</i>	meteorin, glial cell differentiation regulator	1427100 at	-1.87	0.00
<i>Elov15</i>	ELOVL family member 5, elongation of long chain fatty acids (yeast)	1415840 at	-1.87	0.00
<i>Ltbp1</i>	latent transforming growth factor beta binding protein 1	1448870 at	-1.87	0.00
<i>Mllt4</i>	myeloid/lymphoid or mixed lineage-leukemia translocation to 4 homolog (Drosophila)	1436303 at	-1.87	0.00
<i>Supv31l</i>	suppressor of var1, 3-like 1 (S. cerevisiae)	1460557 at	-1.87	0.00
<i>Hevl</i>	hairy/enhancer-of-split related with YRPW motif-like	1419303 at	-1.87	0.00
<i>Zbtb20</i>	zinc finger and BTB domain containing 20	1451577 at	-1.87	0.00
<i>Macf1</i>	microtubule-actin crosslinking factor 1	1428847 a at	-1.87	0.00
<i>Rwdd4a</i>	RWD domain containing 4A	1424244 at	-1.87	0.00
<i>Ivms1abp</i>	influenza virus NS1A binding protein	1420961 a at	-1.87	0.00
<i>Dnaja1</i>	DnaJ (Hsp40) homolog, subfamily A, member 1	1445729 at	-1.87	0.00
<i>Kcnj5</i>	potassium inwardly-rectifying channel, subfamily J, member 5	1441590 at	-1.87	0.00
<i>Dspg3</i>	dermatan sulphate proteoglycan 3	1421114 a at	-1.87	0.00
<i>6330509G02Rik</i>	RIKEN cDNA 6330509G02 gene	1457354 at	-1.87	0.00
<i>Zadh1</i>	zinc binding alcohol dehydrogenase, domain containing 1	1429474 at	-1.87	0.00
<i>Atp8a1</i>	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	1423597 at	-1.87	0.01
<i>Maf</i>	avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog	1447849 s at	-1.87	0.00
<i>Sr1 // LOC669709</i>	sarcalumenin // similar to sarcalumenin	1436867 at	-1.87	0.00
<i>Pank4</i>	pantothenate kinase 4	1435004 at	-1.87	0.00
<i>Bicc1</i>	bicaudal C homolog 1 (Drosophila)	1441137 at	-1.87	0.00
<i>Egln1</i>	EGL nine homolog 1 (C. elegans)	1451110 at	-1.87	0.00
<i>Alad</i>	aminolevulinate, delta-, dehydratase	1424877 a at	-1.88	0.00
<i>Slca2b1</i>	solute carrier organic anion transporter family, member 2b1	1433933 s at	-1.88	0.01
<i>4933403F05Rik</i>	RIKEN cDNA 4933403F05 gene	1434978 at	-1.88	0.00
<i>Susd5</i>	sushi domain containing 5	1438636 s at	-1.88	0.00
<i>Clasp1</i>	CLIP associating protein 1	1452265 at	-1.88	0.00
<i>Bri3</i>	brain protein I3	1416924 at	-1.88	0.00
<i>Entpd5</i>	ectonucleoside triphosphate diphosphohydrolase 5	1417382 at	-1.88	0.00
<i>LOC270335 // LOC434328 // LOC544983 // LOC545175 // LOC619711 // LOC622782 // LOC623857 // LOC624831 // LOC665837 // LOC666017 // LOC666200 // LOC666464 // LOC668524 // LOC670117 // LOC670242</i>	hypothetical gene supported by BC019681; BC027236 // hypothetical LOC434328 // hypothetical LOC544983 // hypothetical LOC545175 // hypothetical LOC619711 // hypothetical LOC622782 // hypothetical protein LOC623857 // hypothetical LOC624831 // hypothetical protein LOC665837 // hypothetical protein LOC666017 // hypothetical protein LOC666200 // hypothetical protein LOC666464 // hypothetical protein LOC668524 // hypothetical protein LOC670117 // hypothetical protein LOC670242	1423071_x at	-1.88	0.00
<i>Col6a2</i>	procollagen, type VI, alpha 2	1452250 a at	-1.88	0.01
<i>Atp2a3</i>	ATPase, Ca ⁺⁺ transporting, ubiquitous	1421129 a at	-1.88	0.00
<i>9530096D07Rik</i>	RIKEN cDNA 9530096D07 gene	1444450 at	-1.88	0.00
<i>Pde4b</i>	Phosphodiesterase 4B, cAMP specific	1447237 at	-1.88	0.00
<i>5730406M06Rik</i>	RIKEN cDNA 5730406M06 gene	1437041 at	-1.88	0.00
<i>Thrb</i>	Thyroid hormone receptor beta	1443100 at	-1.88	0.00
<i>Atxn2</i>	ataxin 2	1419866 s at	-1.88	0.00
<i>Ors1l</i>	glutamyl-tRNA synthase (glutamine-hydrolyzing)-like 1	1456542 s at	-1.88	0.00
<i>2010001E11Rik // A1317395</i>	RIKEN cDNA 2010001E11 gene // expressed sequence A1317395	1451760 s at	-1.88	0.00
<i>AW495713</i>	expressed sequence AW495713	1441522 at	-1.88	0.00
<i>Sesn1</i>	Sestrin 1	1441649 at	-1.89	0.00
<i>Sirt5</i>	sirtuin 5 (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)	1428915 at	-1.89	0.00
<i>Usp15</i>	ubiquitin specific peptidase 15	1436891 at	-1.89	0.00
<i>Dapk2</i>	death-associated kinase 2	1451453 at	-1.89	0.00
<i>Pcolce2</i>	procollagen C-endopeptidase enhancer 2	1451527 at	-1.89	0.01
<i>Pck1</i>	phosphoenolpyruvate carboxykinase 1, cytosolic	1423439 at	-1.89	0.00
<i>Tmem64</i>	transmembrane protein 64	1434307 at	-1.89	0.00
<i>D230012E17Rik</i>	RIKEN cDNA D230012E17 gene	1436317 at	-1.89	0.00
<i>Elk3</i>	ELK3, member of ETS oncogene family	1417662 at	-1.89	0.01
<i>Ces3</i>	carboxylesterase 3	1435371 x at	-1.89	0.00
<i>Trpc3</i>	transient receptor potential cation channel, subfamily C, member 3	1417577 at	-1.89	0.00
<i>Msi2</i>	Musashi homolog 2 (Drosophila)	1435521 at	-1.89	0.00
<i>Akap6</i>	A kinase (PRKA) anchor protein 6	1440859 at	-1.89	0.00
<i>Scd2</i>	stearoyl-Coenzyme A desaturase 2	1415822 at	-1.89	0.00
<i>BC037032</i>	cDNA Sequence BC037032	1444682 at	-1.89	0.00
<i>Rom1</i>	rod outer segment membrane protein 1	1448996 at	-1.89	0.00
<i>Tns3</i>	tensin 3	1455333 at	-1.89	0.00
<i>Anp32a</i>	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	1421918 at	-1.89	0.00
<i>Ppp1r14c</i>	Protein phosphatase 1, regulatory (inhibitor) subunit 14c	1443799 at	-1.90	0.00
<i>Gmn</i>	geminin	1417506 at	-1.90	0.00
<i>BC004004</i>	cDNA sequence BC004004	1434276 x at	-1.90	0.00
<i>B230380D07Rik</i>	RIKEN cDNA B230380D07 gene	1436842 at	-1.90	0.00
<i>A930004K21Rik</i>	RIKEN cDNA A930004K21 gene	1435956 at	-1.90	0.00
<i>2810013C04Rik</i>	RIKEN cDNA 2810013C04 gene	1452991 at	-1.90	0.00
<i>Sfrp1</i>	secreted frizzled-related sequence protein 1	1460187 at	-1.90	0.00
<i>Svep1</i>	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1	1419182 at	-1.90	0.00
<i>Tpm1</i>	tropomyosin 1, alpha	1423721 at	-1.90	0.00
<i>Olfml1</i>	olfactomedin-like 1	1455663 at	-1.90	0.00

<i>Ankrd24</i>	ankyrin repeat domain 24	1430776 s at	-1.90	0.00
<i>AW495713</i>	expressed sequence AW495713	1437077 at	-1.90	0.00
<i>2810406C15Rik</i>	RIKEN cDNA 2810406C15 gene	1423847 at	-1.91	0.00
<i>2810055F11Rik</i>	RIKEN cDNA 2810055F11 gene	1424692 at	-1.91	0.00
<i>Setd8</i>	SET domain containing (lysine methyltransferase) 8	1460687 at	-1.91	0.00
---	---	1439305 at	-1.91	0.00
<i>8430408J09Rik</i>	RIKEN cDNA 8430408J09 gene	1430196 at	-1.91	0.00
<i>9630033F20Rik</i>	RIKEN cDNA 9630033F20 gene	1439859 at	-1.91	0.00
<i>5730472N09Rik</i>	RIKEN cDNA 5730472N09 gene	1433493 at	-1.91	0.00
<i>Sema6a</i>	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	1436458 at	-1.91	0.00
<i>BC004004</i>	cDNA sequence BC004004	1416609 at	-1.91	0.00
<i>Rxrg</i>	retinoid X receptor gamma	1418782 at	-1.91	0.00
<i>Ccnd2</i>	cyclin D2	1455956 x at	-1.91	0.00
<i>Nr2f1</i>	nuclear receptor subfamily 2, group F, member 1	1418157 at	-1.91	0.00
<i>Klf12</i>	Kruppel-like factor 12	1455521 at	-1.91	0.00
<i>Trp53inp2</i>	tumor protein p53 inducible nuclear protein 2	1452646 at	-1.91	0.00
<i>Med12l</i>	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)-like	1452864 at	-1.91	0.00
<i>Mtap4</i>	Microtubule-associated protein 4	1439467 at	-1.91	0.00
<i>Plp1</i>	proteolipid protein (myelin) 1	1451718 at	-1.91	0.00
<i>4833416E15Rik</i>	RIKEN cDNA 4833416E15 gene	1440339 at	-1.91	0.00
<i>Cacna2d1</i>	Calcium channel, voltage-dependent, alpha2/delta subunit 1	1441608 at	-1.91	0.00
<i>Speg</i>	SPEG complex locus	1425968 s at	-1.92	0.00
<i>Pfkfb1</i>	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	1427213 at	-1.92	0.00
<i>Gpsm1</i>	G-protein signalling modulator 1 (AGS3-like, C. elegans)	1423690 s at	-1.92	0.00
<i>Ahrh</i>	aryl-hydrocarbon receptor repressor	1420796 at	-1.92	0.00
<i>Iplr1</i>	inositol 1,4,5-triphosphate receptor 1	1417279 at	-1.92	0.00
<i>Mapt</i>	microtubule-associated protein tau	1455028 at	-1.92	0.00
<i>Mtap1b</i>	microtubule-associated protein 1 B	1450397 at	-1.92	0.00
<i>Igsf4c</i>	immunoglobulin superfamily, member 4C	1426263 at	-1.92	0.00
<i>Atxn2</i>	ataxin 2	1438143 s at	-1.92	0.00
<i>E030049G20Rik</i>	RIKEN cDNA E030049G20 gene	1444086 at	-1.92	0.00
<i>Runx1t1</i>	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	1448785 at	-1.92	0.00
<i>1110018F16Rik</i>	RIKEN cDNA 1110018F16 gene	1429468 at	-1.92	0.00
<i>Id4</i>	inhibitor of DNA binding 4	1423259 at	-1.92	0.00
<i>D7Erd715e</i>	DNA segment, Chr 7, ERATO Doi 715, expressed	1436964 at	-1.92	0.00
<i>9530009M10Rik</i>	RIKEN cDNA 9530009M10 gene	1445850 at	-1.92	0.00
<i>Spata13</i>	Spermatogenesis associated 13	1438543 at	-1.92	0.00
<i>Smarca3</i>	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3	1418467_at	-1.93	0.00
<i>Ppat</i>	phosphoribosyl pyrophosphate amidotransferase	1452831 s at	-1.93	0.00
<i>Id4</i>	inhibitor of DNA binding 4	1450928 at	-1.93	0.00
<i>Paqr4</i>	progesterin and adipoQ receptor family member IV	1423101 at	-1.93	0.00
<i>Cdh11</i>	cadherin 11	1450757 at	-1.93	0.00
<i>E430016P22Rik</i>	RIKEN cDNA E430016P22 gene	1456756 at	-1.93	0.00
<i>Gas2l3</i>	growth arrest-specific 2 like 3	1437244 at	-1.93	0.00
<i>Ptiplad2</i>	protein tyrosine phosphatase-like A domain containing 2	1450967 at	-1.93	0.00
<i>Pitpnc1</i>	phosphatidylinositol transfer protein, cytoplasmic 1	1452940 x at	-1.93	0.00
<i>Dsc2</i>	desmocollin 2	1426911 at	-1.93	0.00
<i>Plxdc2</i>	plexin domain containing 2	1418912 at	-1.93	0.00
---	---	1441193 at	-1.93	0.00
<i>Ejcab2</i>	EF-hand calcium binding domain 2	1449884 at	-1.93	0.00
<i>2810432L12Rik</i>	RIKEN cDNA 2810432L12 gene	1423679 at	-1.93	0.00
<i>Pde7a</i>	phosphodiesterase 7A	1423314 s at	-1.93	0.00
<i>Ebf1</i>	early B-cell factor 1	1416302 at	-1.93	0.00
<i>1700110N18Rik</i>	RIKEN cDNA 1700110N18 gene	1455299 at	-1.94	0.00
<i>Prkcm</i>	protein kinase C, mu	1422673 at	-1.94	0.00
<i>Sfrs7</i>	splicing factor, arginine/serine-rich 7	1424033 at	-1.94	0.00
<i>Phf17</i>	PHD finger protein 17	1452180 at	-1.94	0.00
<i>Mgll</i>	monoglyceride lipase	1450391 a at	-1.94	0.00
<i>5033430I15Rik</i>	RIKEN cDNA 5033430I15 gene	1432509 at	-1.94	0.00
<i>Higd1b</i>	HIG1 domain family, member 1B	1449860 at	-1.94	0.00
<i>Olfml2b</i>	olfactomedin-like 2B	1423915 at	-1.94	0.00
<i>2210015D19Rik</i>	RIKEN cDNA 2210015D19 gene	1438285 at	-1.94	0.00
<i>BC028528</i>	cDNA sequence BC028528	1427996 at	-1.94	0.00
<i>Txndc14</i>	thioredoxin domain containing 14	1452130 at	-1.94	0.00
<i>Mef2c</i>	myocyte enhancer factor 2C	1451506 at	-1.94	0.00
<i>Ptprm</i>	protein tyrosine phosphatase, receptor type, M	1422541 at	-1.94	0.00
<i>D13Erd787e</i>	DNA segment, Chr 13, ERATO Doi 787, expressed	1457304 at	-1.94	0.00
<i>Tef</i>	thyrotroph embryonic factor	1438033 at	-1.94	0.00
<i>B230218O03</i>	hypothetical protein B230218O03	1439777 at	-1.94	0.00
<i>Ccnd2</i>	cyclin D2	1448229 s at	-1.94	0.00
<i>Palld</i>	palladin, cytoskeletal associated protein	1440635 at	-1.94	0.00
<i>Ppm2c</i>	protein phosphatase 2C, magnesium dependent, catalytic subunit	1438201 at	-1.94	0.00
<i>Slc25a36</i>	solute carrier family 25, member 36	1438520 at	-1.94	0.00
<i>Ebf1</i>	Early B-cell factor 1	1446669 at	-1.95	0.00
<i>Rbmx</i>	RNA binding motif protein, X chromosome	1416355 at	-1.95	0.00
<i>Mitf</i>	microphthalmia-associated transcription factor	1455214 at	-1.95	0.00
<i>Snca</i>	synuclein, alpha	1436853 a at	-1.95	0.01
---	PREDICTED: Mus musculus similar to 60S ribosomal protein L12 (LOC382344), mRNA	1445539_at	-1.95	0.00
<i>Timp2</i>	tissue inhibitor of metalloproteinase 2	1454677 at	-1.95	0.00
<i>Ccdc80</i>	coiled-coil domain containing 80	1424187 at	-1.95	0.00
<i>Ptcd2</i>	Pentatricopeptide repeat domain 2	1458108 at	-1.95	0.00
<i>B3galnt2</i>	UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, polypeptide 2	1434135 at	-1.95	0.00
<i>1810013L24Rik</i>	RIKEN cDNA 1810013L24 gene	1436478 at	-1.95	0.00
<i>Kcnj3</i>	potassium inwardly-rectifying channel, subfamily J, member 3	1421468 at	-1.95	0.00
<i>Ebf3</i>	early B-cell factor 3	1428349 s at	-1.95	0.00
<i>Gdpd1</i>	glycerophosphodiester phosphodiesterase domain containing 1	1424077 at	-1.95	0.00
<i>Dmpk</i>	dystrophin myotonia-protein kinase	1434944 at	-1.95	0.00
<i>A1464131</i>	expressed sequence A1464131	1435417 at	-1.95	0.00
<i>Ccnd2</i>	cyclin D2	1430127 a at	-1.95	0.00
<i>Prgfr</i>	prostaglandin F receptor	1449828 at	-1.95	0.00
<i>Plxnd1</i>	Plexin D1	1451475 at	-1.95	0.00
<i>A1256396</i>	EST A1256396	1457042 at	-1.96	0.00
<i>Gsn</i>	gelsolin	1415812 at	-1.96	0.00
<i>D13Bwg1146e</i>	DNA segment, Chr 13, Brigham & Women's Genetics 1146 expressed	1437559 at	-1.96	0.00
<i>Osbpl1a</i>	oxysterol binding protein-like 1A	1416823 a at	-1.96	0.00

<i>2900084M01Rik</i>	RIKEN cDNA 2900084M01 gene	1424790 at	-1.96	0.00
<i>Slc4a4</i>	solute carrier family 4 (anion exchanger), member 4	1452071 at	-1.96	0.00
<i>Tmem47</i>	Transmembrane protein 47	1420514 at	-1.96	0.00
<i>Mef2c</i>	myocyte enhancer factor 2C	1421028 a at	-1.96	0.00
<i>Fmod</i>	fibromodulin	1415939 at	-1.96	0.00
<i>Jam2</i>	junction adhesion molecule 2	1419288 at	-1.96	0.00
<i>Per3</i>	period homolog 3 (Drosophila)	1460662 at	-1.96	0.01
<i>Nrarp</i>	Notch-regulated ankyrin repeat protein	1417985 at	-1.96	0.00
<i>Rora</i>	RAR-related orphan receptor alpha	1443511 at	-1.96	0.00
<i>Asb14</i>	ankyrin repeat and SOCS box-containing protein 14	1449547 at	-1.96	0.00
<i>Mef2c</i>	Myocyte enhancer factor 2C	1458551 at	-1.96	0.00
<i>Mmachc</i>	methylmalonic aciduria cblC type, with homocystinuria	1418915 at	-1.96	0.00
<i>Itih5</i>	inter-alpha (globulin) inhibitor H5	1436755 at	-1.96	0.00
<i>H2-Aa /// H2-Ea</i>	histocompatibility 2, class II antigen A, alpha /// histocompatibility 2, class II antigen E alpha	1452431_s at	-1.96	0.00
<i>Nr3c1</i>	nuclear receptor subfamily 3, group C, member 1	1421867 at	-1.97	0.00
<i>Thbs2</i>	thrombospondin 2	1447862 x at	-1.97	0.00
<i>Slc8a1</i>	solute carrier family 8 (sodium/calcium exchanger), member 1	1437675 at	-1.97	0.00
<i>Tmod1</i>	tropomodulin 1	1422754 at	-1.97	0.00
<i>Tn</i>	Titin	1446450 at	-1.97	0.00
<i>AB182283</i>	cDNA sequence AB182283	1455509 at	-1.97	0.00
<i>C78692</i>	expressed sequence C78692	1446288 at	-1.97	0.00
<i>Apccd1</i>	adenomatosis polyposis coli down-regulated 1	1449070 x at	-1.97	0.00
<i>Yipf4</i>	Yip1 domain family, member 4	1426417 at	-1.97	0.00
<i>Dmn</i>	desmuslin	1455610 at	-1.97	0.00
<i>Tmem38a</i>	transmembrane protein 38a	1424177 at	-1.97	0.00
<i>Zfp422-rs1</i>	zinc finger protein 422, related sequence 1	1434896 at	-1.97	0.00
<i>Nrp1</i>	neuropilin 1	1448943 at	-1.97	0.00
<i>Ptgr</i>	prostaglandin F receptor	1446331 at	-1.97	0.00
<i>Gpc1</i>	glypican 1	1417389 at	-1.97	0.00
---	Mus musculus, clone IMAGE:1512359, mRNA	1434766 at	-1.97	0.00
<i>Gup1</i>	Gup1, glycerol uptake/transporter homolog (yeast)	1424553 at	-1.97	0.00
<i>Rwdd4a</i>	RWD domain containing 4A	1457983 s at	-1.97	0.00
<i>Gas2l3</i>	growth arrest-specific 2 like 3	1453416 at	-1.98	0.00
<i>Hdgfip3 /// Tm6sf1</i>	hepatoma-derived growth factor, related protein 3 /// transmembrane 6 superfamily member 1	1424443 at	-1.98	0.00
<i>A930031D07Rik</i>	RIKEN cDNA A930031D07 gene	1436021 at	-1.98	0.00
---	---	1417466 at	-1.98	0.00
<i>Fbln1</i>	fibulin 1	1422540 at	-1.98	0.00
<i>Txndc14 /// LOC433144</i>	thioredoxin domain containing 14 /// similar to thioredoxin-related transmembrane protein 2	1437454_a at	-1.98	0.00
<i>Abcc9</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	1435752 s at	-1.98	0.00
<i>6030490I01Rik</i>	RIKEN cDNA 6030490I01 gene	1437873 at	-1.98	0.00
---	---	1438796 at	-1.98	0.00
<i>Pctk2</i>	PCTAIRE-motif protein kinase 2	1435143 at	-1.98	0.00
<i>4732466D17Rik</i>	RIKEN cDNA 4732466D17 gene	1438980 x at	-1.98	0.00
---	Adult male corpora quadrigemina cDNA, RIKEN full-length enriched library, clone:B230306E21 product:unclassifiable, full insert sequence	1439994 at	-1.98	0.00
<i>Golga4</i>	golgi autoantigen, golgin subfamily a, 4	1448803 at	-1.98	0.00
<i>Kcna1</i>	potassium voltage-gated channel, shaker-related subfamily, member 1	1417416 at	-1.98	0.00
---	Adult male urinary bladder cDNA, RIKEN full-length enriched library, clone:9530098H01 product:unclassifiable, full insert sequence	1441885_s at	-1.98	0.00
<i>Esrrb</i>	estrogen related receptor, beta	1436926 at	-1.99	0.00
<i>Slc25a19</i>	solute carrier family 25 (mitochondrial deoxynucleotide carrier), member 19	1424316 at	-1.99	0.00
<i>6430601A21Rik</i>	RIKEN cDNA 6430601A21 gene	1434682 at	-1.99	0.00
<i>Rpre1</i>	arginine/proline rich coiled-coil 1	1424040 at	-1.99	0.00
<i>Efnb2</i>	ephrin B2	1419638 at	-1.99	0.00
<i>BC054438</i>	cDNA sequence BC054438	1447915 x at	-1.99	0.00
<i>Rasgrp2</i>	RAS, guanyl releasing protein 2	1442264 at	-1.99	0.00
<i>Trak2</i>	trafficking protein, kinesin binding 2	1435016 at	-1.99	0.00
---	---	1444269 at	-1.99	0.00
<i>Arl15</i>	ADP-ribosylation factor-like 15	1458605 at	-1.99	0.00
<i>Orsl1</i>	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	1429317 at	-1.99	0.00
---	---	1422697 s at	-1.99	0.00
<i>Hk2</i>	hexokinase 2	1422612 at	-1.99	0.00
---	---	1459219 at	-1.99	0.00
<i>D7Erd715e</i>	DNA segment, Chr 7, ERATO Doi 715, expressed	1455087 at	-1.99	0.00
<i>I110032E23Rik</i>	RIKEN cDNA I110032E23 gene	1459490 at	-1.99	0.00
<i>Pbx1</i>	Pre B-cell leukemia transcription factor 1	1430183 at	-1.99	0.00
<i>Ppm1a</i>	protein phosphatase 1A, magnesium dependent, alpha isoform	1425537 at	-1.99	0.00
<i>Zbtb20</i>	zinc finger and BTB domain containing 20	1437066 at	-1.99	0.00
<i>Gfra1</i>	glial cell line derived neurotrophic factor family receptor alpha 1	1439015 at	-2.00	0.00
<i>4833428M15Rik</i>	RIKEN cDNA 4833428M15 gene	1431471 at	-2.00	0.00
<i>Dhrs7c</i>	dehydrogenase/reductase (SDR family) member 7C	1444504 at	-2.00	0.00
<i>Arhgef6</i>	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	1442292 at	-2.00	0.00
<i>Srxn2</i>	sushi-repeat-containing protein, X-linked 2	1427919 at	-2.00	0.00
<i>Ppm1k</i>	protein phosphatase 1K (PP2C domain containing)	1441988 at	-2.00	0.00
<i>Pbx1</i>	Pre B-cell leukemia transcription factor 1	1442846 at	-2.00	0.00
<i>Pbx1</i>	pre B-cell leukemia transcription factor 1	1440037 at	-2.00	0.00
<i>Mar-07</i>	membrane-associated ring finger (C3HC4) 7	1440966 at	-2.00	0.00
<i>4930402H24Rik</i>	RIKEN cDNA 4930402H24 gene	1430285 at	-2.00	0.00
<i>Slc4a3</i>	solute carrier family 4 (anion exchanger), member 3	1453687 at	-2.00	0.00
<i>Adrb1</i>	adrenergic receptor, beta 1	1423420 at	-2.01	0.00
<i>Kcnn2</i>	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	1448927_at	-2.01	0.00
---	Adult male olfactory brain cDNA, RIKEN full-length enriched library, clone:6430530M09 product:unclassifiable, full insert sequence	1460061_at	-2.01	0.00
<i>Ppara</i>	peroxisome proliferator activated receptor alpha	1449051 at	-2.01	0.00
<i>Mtss1</i>	metastasis suppressor 1	1424826 s at	-2.01	0.00
<i>Ankrd25</i>	ankyrin repeat domain 25	1425991 a at	-2.01	0.00
<i>Chchd3</i>	coiled-coil-helix-coiled-coil-helix domain containing 3	1459143 at	-2.01	0.00
<i>Dpysl4</i>	dihydropyrimidinase-like 4	1418298 s at	-2.01	0.00
---	---	1456625 at	-2.01	0.00
<i>Cacnb2</i>	calcium channel, voltage-dependent, beta 2 subunit	1456401 at	-2.01	0.00
---	Transcribed locus	1458309 at	-2.01	0.00
<i>Itgb1bp2</i>	integrin beta 1 binding protein 2	1423238 at	-2.01	0.00

---	13 days embryo heart cDNA, RIKEN full-length enriched library, clone:D330025O06 product:unclassifiable, full insert sequence	1458081_at	-2.01	0.00
<i>Neo1</i>	neogenin	1444295_at	-2.01	0.00
<i>Nnat</i>	neuronatin	1423506_a_at	-2.02	0.00
<i>Gucy1a3</i>	guanylate cyclase 1, soluble, alpha 3	1420533_at	-2.02	0.00
<i>Sik23</i>	serine/threonine kinase 23	1418798_s_at	-2.02	0.00
<i>1300001I01Rik</i>	RIKEN cDNA 1300001I01 gene	1428106_at	-2.02	0.00
<i>Car7</i>	carbonic anhydrase 7	1443824_s_at	-2.02	0.00
<i>1500005K14Rik</i>	RIKEN cDNA 1500005K14 gene	1456603_at	-2.02	0.00
<i>2410025L10Rik</i>	RIKEN cDNA 2410025L10 gene	1428404_at	-2.02	0.00
<i>Efnb2</i>	ephrin B2	1419639_at	-2.02	0.00
<i>BC004004</i>	cDNA sequence BC004004	1416608_a_at	-2.02	0.00
<i>Homer1</i>	homer homolog 1 (Drosophila)	1425710_a_at	-2.02	0.00
<i>Zfp191</i>	zinc finger protein 191	1426896_at	-2.02	0.00
<i>Mapre2</i>	microtubule-associated protein, RP/EB family, member 2	1451989_a_at	-2.02	0.00
<i>Pfkfb2</i>	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2	1422090_a_at	-2.02	0.00
<i>Lama2</i>	laminin, alpha 2	1426285_at	-2.02	0.00
<i>Sync</i>	syncoilin	1422118_at	-2.02	0.00
<i>Hist2h2be</i>	histone 2, H2be	1447854_s_at	-2.03	0.00
<i>D7Wsu130e</i>	DNA segment, Chr 7, Wayne State University 130, expressed	1458040_at	-2.03	0.01
<i>2310014F07Rik</i>	RIKEN cDNA 2310014F07 gene	1453552_at	-2.03	0.00
<i>Rwdd4a</i>	RWD domain containing 4A	1424243_at	-2.03	0.00
<i>4930534B04Rik</i>	RIKEN cDNA 4930534B04 gene	1429229_s_at	-2.03	0.00
<i>Rgs5</i>	regulator of G-protein signaling 5	1420940_x_at	-2.03	0.00
<i>Slc2a12</i>	solute carrier family 2 (facilitated glucose transporter), member 12	1435911_s_at	-2.03	0.00
<i>5430416B10Rik</i>	RIKEN cDNA 5430416B10 gene	1454558_at	-2.03	0.00
<i>BC053994</i>	cDNA sequence BC053994	1455750_at	-2.03	0.00
<i>Pde7a</i>	phosphodiesterase 7A	1450933_at	-2.04	0.00
<i>Nr3c1</i>	nuclear receptor subfamily 3, group C, member 1	1460303_at	-2.04	0.00
<i>Ndr4</i>	N-myc downstream regulated gene 4	1426615_s_at	-2.04	0.00
<i>Doc2g</i>	double C2, gamma	1450707_at	-2.04	0.00
<i>Dnaj4</i>	DnaJ (Hsp40) homolog, subfamily A, member 4	1434196_at	-2.04	0.00
<i>Arhgap20</i>	Rho GTPase activating protein 20	1427522_at	-2.05	0.00
<i>1700113I22Rik</i>	RIKEN cDNA 1700113I22 gene	1432073_at	-2.05	0.00
<i>Asb5</i>	ankyrin repeat and SOCs box-containing protein 5	1449356_at	-2.05	0.00
<i>2310061C15Rik</i>	RIKEN cDNA 2310061C15 gene	1427922_at	-2.05	0.00
<i>Klhl4</i>	kelch-like 4 (Drosophila)	1439078_at	-2.05	0.00
<i>9430082L08Rik</i>	RIKEN cDNA 9430082L08 gene	1430929_at	-2.05	0.00
<i>Ccnd2</i>	cyclin D2	1416122_at	-2.05	0.00
<i>Entpd5</i>	ectonucleoside triphosphate diphosphohydrolase 5	1433763_at	-2.05	0.00
<i>Sost</i>	sclerostin	1450179_at	-2.06	0.00
<i>Myl7</i>	myosin, light polypeptide 7, regulatory	1449071_at	-2.06	0.00
---	---	1455539_at	-2.06	0.00
<i>2610018G03Rik</i>	RIKEN cDNA 2610018G03 gene	1419033_at	-2.06	0.00
<i>Fgf7</i>	fibroblast growth factor 7	1438405_at	-2.06	0.00
<i>Myc1</i>	myc target 1	1452072_at	-2.06	0.00
<i>Sh3d19</i>	SH3 domain protein D19	1449084_s_at	-2.06	0.00
<i>Tcea3</i>	transcription elongation factor A (SII), 3	1424531_a_at	-2.06	0.00
<i>Acp12</i>	acid phosphatase-like 2	1429390_at	-2.06	0.00
<i>Fndc5</i>	fibronectin type III domain containing 5	1453135_at	-2.06	0.00
<i>Rhpn2</i>	rhophilin, Rho GTPase binding protein 2	1434628_a_at	-2.06	0.00
---	Transcribed locus	1457306_at	-2.06	0.00
<i>Gng11</i>	guanine nucleotide binding protein (G protein), gamma 11	1448942_at	-2.06	0.00
<i>Gas2l3</i>	growth arrest-specific 2 like 3	1455980_a_at	-2.06	0.00
<i>Smyd1</i>	SET and MYND domain containing 1	1441667_s_at	-2.06	0.00
<i>Ebf1</i>	early B-cell factor 1	1416301_a_at	-2.06	0.00
<i>Chchd3</i>	Coiled-coil-helix-coiled-coil-helix domain containing 3	1437599_at	-2.07	0.00
<i>Slc24a3</i>	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	1424308_at	-2.07	0.00
<i>Ncam1</i>	neural cell adhesion molecule 1	1426865_a_at	-2.07	0.00
<i>Prrx1</i>	paired related homeobox 1	1439774_at	-2.07	0.00
<i>Sema3b</i>	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B	1448415_a_at	-2.07	0.00
<i>Olfml3</i>	olfactomedin-like 3	1448475_at	-2.08	0.00
<i>BF642829</i>	expressed sequence BF642829	1435484_at	-2.08	0.00
<i>Slc38a3</i>	solute carrier family 38, member 3	1418706_at	-2.08	0.00
<i>Fbln2</i>	fibulin 2	1423407_a_at	-2.08	0.00
<i>Aqp7</i>	aquaporin 7	1418848_at	-2.08	0.00
<i>Heyl</i>	hairy/enhancer-of-split related with YRPW motif-like	1438886_at	-2.08	0.00
---	Transcribed locus	1458585_at	-2.08	0.00
---	Transcribed locus	1457373_at	-2.08	0.00
<i>Hnt</i>	neurotrimin	1458492_x_at	-2.08	0.00
<i>Sesn3</i>	sestrin 3	1453313_at	-2.08	0.00
<i>Mrm1</i>	mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae)	1424219_at	-2.08	0.00
<i>Olf78</i>	olfactory receptor 78	1440009_at	-2.08	0.00
<i>Msr2</i>	macrophage scavenger receptor 2	1448891_at	-2.09	0.00
<i>Pgm2l1</i>	phosphoglucomutase 2-like 1	1452841_at	-2.09	0.00
<i>Kciv2</i>	potassium channel, subfamily V, member 2	1440537_at	-2.09	0.00
<i>Rgs2</i>	regulator of G-protein signaling 2	1419248_at	-2.09	0.00
<i>A1118064</i>	Expressed sequence A1118064	1457721_at	-2.09	0.00
<i>Ryr3</i>	ryanodine receptor 3	1427427_at	-2.09	0.00
<i>Tgfb1</i>	transforming growth factor, beta induced	1448123_s_at	-2.09	0.00
<i>AW061234</i>	expressed sequence AW061234	1454984_at	-2.09	0.00
<i>Mfhas1</i>	Malignant fibrous histiocytoma amplified sequence 1	1439929_at	-2.09	0.00
<i>Lynx1</i>	Ly6/neurotoxin 1	1441952_x_at	-2.09	0.00
<i>Atp2b2</i>	ATPase, Ca ⁺⁺ transporting, plasma membrane 2	1433888_at	-2.09	0.00
<i>Mgl2</i>	macrophage galactose N-acetyl-galactosamine specific lectin 2	1438467_at	-2.10	0.00
<i>Pdxx</i>	PDZ domain containing, X chromosome	1449834_at	-2.10	0.00
<i>Tspan12</i>	tetraspanin 12	1454604_s_at	-2.10	0.00
<i>Tgfb1</i>	transforming growth factor, beta induced	1456250_x_at	-2.10	0.00
<i>Col14a1</i>	procollagen, type XIV, alpha 1	1428455_at	-2.10	0.00
<i>1700110N18Rik</i>	RIKEN cDNA 1700110N18 gene	1453593_at	-2.10	0.00
<i>Vit</i>	vitrin	1426231_at	-2.10	0.00
<i>C330006P03Rik</i>	RIKEN cDNA C330006P03 gene	1436387_at	-2.10	0.00
<i>Apcdd1</i>	adenomatous polyposis coli down-regulated 1	1454822_x_at	-2.10	0.00
<i>9530058B02Rik</i>	RIKEN cDNA 9530058B02 gene	1417212_at	-2.10	0.00
<i>Jarid2</i>	Jumonji, AT rich interactive domain 2	1456661_at	-2.10	0.00
<i>Slk</i>	STE20-like kinase (yeast)	1441262_at	-2.10	0.00

<i>Igf1</i>	insulin-like growth factor 1	1452014 a at	-2.10	0.00
<i>Nr1d2</i>	nuclear receptor subfamily 1, group D, member 2	1416958 at	-2.11	0.00
<i>Ppargc1a</i>	peroxisome proliferative activated receptor, gamma, coactivator 1 alpha	1456395 at	-2.11	0.00
<i>Ptpr</i>	protein tyrosine phosphatase, receptor type, R	1426047 a at	-2.11	0.00
<i>Cygb</i>	cytoglobin	1423630 at	-2.11	0.00
---	0 day neonate eyeball cDNA, RIKEN full-length enriched library, clone:E130004J04 product:unclassifiable, full insert sequence	1439906_at	-2.11	0.00
<i>Ches1</i>	Checkpoint suppressor 1	1447325 at	-2.12	0.00
<i>Neb1</i>	nebullette	1438452 at	-2.12	0.00
<i>Phf2</i>	putative homeodomain transcription factor 2	1437067 at	-2.12	0.00
<i>Prnd</i>	prion protein dublet	1425681 a at	-2.12	0.00
<i>Pon1</i>	paraoxonase 1	1418190 at	-2.12	0.00
<i>Kif6</i>	kinesin family member 6	1442238 a at	-2.12	0.00
<i>Daam1</i>	dishevelled associated activator of morphogenesis 1	1431035 at	-2.12	0.00
<i>Plcb1</i>	phospholipase C, beta 1	1435043 at	-2.12	0.00
<i>Sdc1</i>	syndecan 1	1437279 x at	-2.12	0.00
<i>Pitpnc1</i>	phosphatidylinositol transfer protein, cytoplasmic 1	1435066 at	-2.12	0.00
<i>Nr1d2</i>	nuclear receptor subfamily 1, group D, member 2	1416959 at	-2.12	0.00
<i>Lbh</i>	limb-bud and heart	1451629 at	-2.12	0.00
<i>Ramp1</i>	receptor (calcitonin) activity modifying protein 1	1417481 at	-2.12	0.00
<i>Dusp18</i>	dual specificity phosphatase 18	1451270 at	-2.12	0.00
<i>2700081O15Rik</i>	RIKEN cDNA 2700081O15 gene	1437291 at	-2.13	0.00
<i>1700012H17Rik</i>	RIKEN cDNA 1700012H17 gene	1437150 at	-2.13	0.00
<i>Hspb3</i>	heat shock protein 3	1449872 at	-2.13	0.00
<i>Mvo6</i>	myosin VI	1435559 at	-2.13	0.00
<i>1700020114Rik</i>	RIKEN cDNA 1700020114 gene	1428411 at	-2.13	0.00
<i>Mest</i>	mesoderm specific transcript	1423294 at	-2.13	0.00
<i>Antxr1</i>	anthrax toxin receptor 1	1451446 at	-2.13	0.00
<i>NdrG4</i>	N-myc downstream regulated gene 4	1436188 a at	-2.13	0.00
<i>Nid2</i>	nidogen 2	1423516 a at	-2.13	0.00
<i>Abcc9</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	1420408 a at	-2.14	0.00
<i>Fat4</i>	FAT tumor suppressor homolog 4 (Drosophila)	1459749 s at	-2.14	0.00
<i>Mtss1</i>	metastasis suppressor 1	1434036 at	-2.14	0.00
<i>Itg6</i>	integrin beta 6	1422983 at	-2.14	0.00
<i>6330407118Rik</i>	RIKEN cDNA 6330407118 gene	1429579 at	-2.14	0.00
<i>Slc36a2</i>	solute carrier family 36 (proton/amino acid symporter), member 2	1436521 at	-2.14	0.00
<i>2310061C15Rik</i>	RIKEN cDNA 2310061C15 gene	1452597 at	-2.14	0.00
<i>Serpinf1</i>	serine (or cysteine) peptidase inhibitor, clade F, member 1	1416168 at	-2.14	0.00
<i>Abca8b</i>	ATP-binding cassette, sub-family A (ABC1), member 8b	1427546 at	-2.14	0.00
<i>Stxbp6</i>	syntaxin binding protein 6 (amisvn)	1435396 at	-2.14	0.00
<i>Nrp1</i>	neuropilin 1	1457198 at	-2.14	0.00
<i>Rps6ka5</i>	ribosomal protein S6 kinase, polypeptide 5	1440343 at	-2.14	0.00
<i>2700089E24Rik</i>	RIKEN cDNA 2700089E24 gene	1460464 at	-2.15	0.01
<i>Ephb1</i>	Eph receptor B1	1455188 at	-2.15	0.00
<i>Cpxm1</i>	carboxypeptidase X 1 (M14 family)	1448901 at	-2.15	0.00
---	Adult male diencephalon cDNA, RIKEN full-length enriched library, clone:9330183L06 product:unclassifiable, full insert sequence	1438778_at	-2.15	0.00
<i>1110003E01Rik</i>	RIKEN cDNA 1110003E01 gene	1435464 at	-2.15	0.00
<i>Matn2</i>	matrilin 2	1455978 a at	-2.15	0.00
<i>Prdm16</i>	PR domain containing 16	1440870 at	-2.15	0.00
<i>BC072620</i>	cDNA sequence BC072620	1456838 at	-2.15	0.00
<i>Fndc1</i>	fibronectin type III domain containing 1	1453321 at	-2.15	0.00
<i>Clec7a</i>	C-type lectin domain family 7, member a	1420699 at	-2.15	0.00
<i>LOC629378 // LOC666671</i>	hypothetical protein LOC629378 // similar to thymus expressed gene 3-like	1434415 at	-2.15	0.00
<i>Ptprb</i>	Protein tyrosine phosphatase, receptor type, B	1436367 at	-2.15	0.00
<i>1110058L19Rik</i>	RIKEN cDNA 1110058L19 gene	1418327 at	-2.15	0.00
<i>C330008K14Rik</i>	RIKEN cDNA C330008K14 gene	1436194 at	-2.15	0.00
<i>8030447M02Rik</i>	RIKEN cDNA 8030447M02 gene	1458601 at	-2.15	0.00
<i>A730009E18Rik</i>	RIKEN cDNA A730009E18 gene	1460147 at	-2.15	0.00
<i>Mef2c</i>	myocyte enhancer factor 2C	1424852 at	-2.15	0.00
<i>D13Bwg1146e</i>	DNA segment, Chr 13, Brigham & Women's Genetics 1146 expressed	1457743 at	-2.16	0.00
<i>Mfap3l</i>	microfibrillar-associated protein 3-like	1428804 at	-2.16	0.00
<i>Tnfrsf19</i>	tumor necrosis factor receptor superfamily, member 19	1448147 at	-2.16	0.00
<i>Pitpnc1</i>	phosphatidylinositol transfer protein, cytoplasmic 1	1428025 s at	-2.16	0.00
<i>Ptin</i>	pleiotrophin	1448254 at	-2.16	0.00
<i>Slc9a9</i>	solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	1433719 at	-2.16	0.00
<i>Ebf3</i>	early B-cell factor 3	1460666 a at	-2.16	0.00
<i>6430601A21Rik</i>	RIKEN cDNA 6430601A21 gene	1437305 at	-2.16	0.00
<i>Nfia</i>	nuclear factor I/A	1438236 at	-2.16	0.00
<i>Osbpl6</i>	oxysterol binding protein-like 6	1457881 at	-2.17	0.00
<i>RbmX</i>	RNA binding motif protein, X chromosome	1426863 at	-2.17	0.00
<i>Cidec</i>	cell death-inducing DFFA-like effector c	1452260 at	-2.17	0.00
---	---	1420942 s at	-2.17	0.00
<i>Nope</i>	neighbor of Punc E11	1416473 a at	-2.17	0.00
<i>Tpm2</i>	tropomyosin 2, beta	1419738 a at	-2.17	0.00
<i>Mdh1</i>	malate dehydrogenase 1, NAD (soluble)	1438338 at	-2.17	0.00
<i>1110018M03Rik</i>	RIKEN cDNA 1110018M03 gene	1419376 at	-2.17	0.00
---	---	1438041 at	-2.17	0.00
<i>Scn7a</i>	sodium channel, voltage-gated, type VII, alpha	1427495 at	-2.17	0.00
<i>Nfib</i>	nuclear factor I/B	1434101 at	-2.18	0.00
<i>2310068J10Rik</i>	RIKEN cDNA 2310068J10 gene	1435399 at	-2.18	0.00
<i>VegfC</i>	vascular endothelial growth factor C	1439766 x at	-2.18	0.00
<i>6330417G04Rik</i>	RIKEN cDNA 6330417G04 gene	1440849 at	-2.18	0.00
<i>Prrx1</i>	paired related homeobox 1	1425526 a at	-2.18	0.00
<i>E130203B14Rik</i>	RIKEN cDNA E130203B14 gene	1455050 at	-2.18	0.00
<i>Sep-04</i>	septin 4	1448729 a at	-2.18	0.00
<i>Casq2</i>	calsequestrin 2	1422529 s at	-2.19	0.00
<i>A1605517</i>	expressed sequence A1605517	1457797 at	-2.19	0.00
<i>1110003F05Rik</i>	RIKEN cDNA 1110003F05 gene	1429735 at	-2.19	0.00
<i>Ppp1r12b</i>	Protein phosphatase 1, regulatory (inhibitor) subunit 12B	1457338 at	-2.19	0.00
<i>Tcf21</i>	transcription factor 21	1417447 at	-2.19	0.00
<i>Bach2</i>	BTB and CNC homology 2	1437667 a at	-2.19	0.00
<i>Ptprd</i>	protein tyrosine phosphatase, receptor type, D	1429052 at	-2.19	0.00
<i>Sep-04</i>	septin 4	1455422 x at	-2.20	0.00
<i>Adcy7</i>	adenylate cyclase 7	1450065 at	-2.20	0.00
<i>Chek2</i>	CHK2 checkpoint homolog (S. pombe)	1422747 at	-2.20	0.00
---	---	1440989 at	-2.20	0.00

<i>Ndufab1</i>	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1	1435934 at	-2.20	0.00
<i>Timp2</i>	tissue inhibitor of metalloproteinase 2	1450040 at	-2.20	0.00
<i>1110007C02Rik</i>	RIKEN cDNA 1110007C02 gene	1429189 at	-2.20	0.00
<i>Ppp1r14a</i>	protein phosphatase 1, regulatory (inhibitor) subunit 14A	1418086 at	-2.20	0.00
<i>Cyp2e1</i>	cytochrome P450, family 2, subfamily e, polypeptide 1	1415994 at	-2.20	0.01
<i>Col6a1</i>	procollagen, type VI, alpha 1	1448590 at	-2.21	0.01
<i>Col4a4</i>	procollagen, type IV, alpha 4	1440250 at	-2.21	0.00
<i>Opcml</i>	opioid binding protein/cell adhesion molecule-like	1457446 at	-2.21	0.00
<i>Dnmt3a</i>	DNA methyltransferase 3A	1442309 at	-2.21	0.00
<i>Kctd12b</i>	potassium channel tetramerisation domain containing 12b	1440355 at	-2.21	0.00
<i>Ppargc1a</i>	peroxisome proliferative activated receptor, gamma, coactivator 1 alpha	1437751 at	-2.21	0.00
---	---	1436275 at	-2.21	0.00
<i>Fbxo30</i>	F-box protein 30	1436550 at	-2.21	0.00
<i>E030004N02Rik</i>	RIKEN cDNA E030004N02 gene	1436515 at	-2.22	0.00
<i>Magi3</i>	membrane associated guanylate kinase, WW and PDZ domain containing 3	1435461 at	-2.22	0.00
<i>Rps6ka2</i>	ribosomal protein S6 kinase, polypeptide 2	1417542 at	-2.22	0.00
<i>Ppic7</i>	PTC7 protein phosphatase homolog (S. cerevisiae)	1455958 s at	-2.22	0.00
<i>Nr3c2</i>	nuclear receptor subfamily 3, group C, member 2	1435991 at	-2.22	0.00
<i>2410005O16Rik</i>	RIKEN cDNA 2410005O16 gene	1438034 at	-2.22	0.00
<i>Pcdh18</i>	protocadherin 18	1422889 at	-2.22	0.00
<i>Calm1</i>	calmodulin 1	1433592 at	-2.22	0.00
<i>D630040G17Rik // LOC622675</i>	RIKEN cDNA D630040G17 gene // similar to zinc finger protein 64 (predicted)	1442562 at	-2.22	0.00
<i>Fn3k</i>	fructosamine 3 kinase	1418311 at	-2.22	0.00
<i>Ar</i>	androgen receptor	1455647 at	-2.23	0.00
<i>Runx1t1</i>	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	1437784 at	-2.23	0.00
<i>D13Erd787e</i>	DNA segment, Chr 13, ERATO Doi 787, expressed	1420098 s at	-2.23	0.00
<i>1110018J23Rik</i>	RIKEN cDNA 1110018J23 gene	1429024 at	-2.23	0.00
<i>Sacs</i>	sacsin	1434958 at	-2.23	0.00
<i>Crip1</i>	cysteine-rich protein 1 (intestinal)	1416326 at	-2.23	0.00
<i>Akl</i>	adenylate kinase 1	1422184 a at	-2.23	0.00
<i>Alas1</i>	aminolevulinic acid synthase 1	1424126 at	-2.23	0.00
<i>Pank1</i>	pantothenate kinase 1	1418715 at	-2.24	0.00
<i>Nr3c1</i>	nuclear receptor subfamily 3, group C, member 1	1457635 s at	-2.24	0.00
<i>Dep1</i>	diabetic embryopathy 1	1427602 at	-2.24	0.00
<i>Gdf10</i>	growth differentiation factor 10	1424007 at	-2.24	0.00
<i>Ppp1r16b</i>	protein phosphatase 1, regulatory (inhibitor) subunit 16B	1455080 at	-2.24	0.00
<i>Pias2</i>	protein inhibitor of activated STAT 2	1428725 at	-2.24	0.00
<i>BC054438</i>	cDNA sequence BC054438	1436698 x at	-2.24	0.00
<i>Syne2</i>	synaptic nuclear envelope 2	1427982 s at	-2.24	0.00
<i>Ndufs4</i>	NADH dehydrogenase (ubiquinone) Fe-S protein 4	1418117 at	-2.24	0.00
<i>Ppp1r3c</i>	protein phosphatase 1, regulatory (inhibitor) subunit 3C	1425631 at	-2.25	0.00
<i>Mapt</i>	microtubule-associated protein tau	1424719 a at	-2.25	0.00
<i>Mbp</i>	myelin basic protein	1419646 a at	-2.25	0.00
<i>Tgfb1</i>	transforming growth factor, beta induced	1415871 at	-2.25	0.00
<i>Esrrg</i>	estrogen-related receptor gamma	1455267 at	-2.25	0.00
<i>BC054438</i>	cDNA sequence BC054438	1434621 at	-2.25	0.00
<i>2610301F02Rik</i>	RIKEN cDNA 2610301F02 gene	1447251 x at	-2.25	0.00
<i>Acp12</i>	acid phosphatase-like 2	1456735 x at	-2.25	0.00
<i>Ehbp1</i>	EH domain binding protein 1	1424586 at	-2.25	0.00
<i>Slc4a4</i>	solute carrier family 4 (anion exchanger), member 4	1434096 at	-2.25	0.00
<i>Pde5a</i>	Phosphodiesterase 5A, cGMP-specific	1455970 at	-2.26	0.00
<i>4933403F05Rik</i>	RIKEN cDNA 4933403F05 gene	1434977 at	-2.26	0.00
<i>Nqo2</i>	NAD(PH) dehydrogenase, quinone 2	1436189 at	-2.26	0.00
<i>Pcdh18</i>	protocadherin 18	1422890 at	-2.26	0.00
<i>Per3</i>	period homolog 3 (Drosophila)	1441445 at	-2.26	0.00
<i>Kif13a</i>	Kinesin family member 13A	1447853 x at	-2.26	0.00
<i>Zadh1</i>	zinc binding alcohol dehydrogenase, domain containing 1	1453156 s at	-2.26	0.00
<i>Actr3b</i>	ARP3 actin-related protein 3 homolog B (yeast)	1435605 at	-2.26	0.00
<i>Stard9 // LOC668856 // LOC670354</i>	START domain containing 9 // similar to StAR-related lipid transfer protein 9 (StARD9) (START domain-containing protein 9) // similar to StAR-related lipid transfer protein 9 (StARD9) (START domain-containing protein 9)	1436324_at	-2.26	0.00
<i>Mpped2</i>	metallophosphoesterase domain containing 2	1435285 at	-2.27	0.00
---	Adult male vesicular gland cDNA, RIKEN full-length enriched library, clone:G630023F10 product:unclassifiable, full insert sequence	1442917_at	-2.27	0.00
<i>Grb14</i>	growth factor receptor bound protein 14	1417673 at	-2.27	0.00
<i>Lims1</i>	LIM and senescent cell antigen-like domains 1	1441411 at	-2.27	0.00
<i>Zadh1</i>	zinc binding alcohol dehydrogenase, domain containing 1	1433503 at	-2.27	0.00
<i>Btbd3</i>	BTB (POZ) domain containing 3	1433868 at	-2.27	0.00
<i>Slc2a4</i>	solute carrier family 2 (facilitated glucose transporter), member 4	1415958 at	-2.27	0.00
<i>Lamb3</i>	laminin, beta 3	1417812 a at	-2.27	0.00
<i>Mcc</i>	mutated in colorectal cancers	1438081 at	-2.27	0.00
<i>Cxzc6</i>	CXXC finger 6	1429448 s at	-2.28	0.00
<i>Gpc6</i>	Glypican 6	1443201 at	-2.28	0.00
<i>Rasgrp2</i>	RAS, guanyl releasing protein 2	1417804 at	-2.28	0.00
<i>6330436F06Rik</i>	RIKEN cDNA 6330436F06 gene	1433015 at	-2.28	0.00
<i>Mtss1</i>	metastasis suppressor 1	1440847 at	-2.28	0.00
<i>2900069M18Rik</i>	RIKEN cDNA 2900069M18 gene	1460531 at	-2.28	0.00
<i>D15Erd30e</i>	DNA segment, Chr 15, ERATO Doi 30, expressed	1442833 at	-2.29	0.00
<i>Pdlim2</i>	PDZ and LIM domain 2	1423946 at	-2.29	0.00
<i>1500016O10Rik</i>	RIKEN cDNA 1500016O10 gene	1438641 x at	-2.29	0.00
<i>Mrc1</i>	mannose receptor, C type 1	1450430 at	-2.29	0.00
<i>Pank1</i>	pantothenate kinase 1	1431028 at	-2.29	0.00
<i>D630040G17Rik // LOC622675</i>	RIKEN cDNA D630040G17 gene // similar to zinc finger protein 64 (predicted)	1439493 at	-2.29	0.00
<i>Slc25a26</i>	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 26	1428929 s at	-2.30	0.00
<i>Sh3rf1</i>	SH3 domain containing ring finger 1	1445178 at	-2.30	0.00
---	Transcribed locus	1445421 at	-2.30	0.00
<i>2610024A01Rik</i>	RIKEN cDNA 2610024A01 gene	1428077 at	-2.30	0.00
<i>Lpin1</i>	lipin 1	1426516 a at	-2.30	0.00
---	---	1435194 at	-2.30	0.00
<i>Gata4</i>	GATA binding protein 4	1441364 at	-2.30	0.00
<i>Fabp7</i>	fatty acid binding protein 7, brain	1450779 at	-2.30	0.00
<i>B3galt2</i>	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	1423084 at	-2.30	0.00
<i>2310061C15Rik</i>	RIKEN cDNA 2310061C15 gene	1427921 s at	-2.30	0.00
<i>Ccnh</i>	cyclin H	1418585 at	-2.31	0.00
<i>Kcnd2</i>	potassium voltage-gated channel, Shal-related family, member 2	1422835 at	-2.31	0.00
<i>Auts2</i>	autism susceptibility candidate 2	1457139 at	-2.31	0.00
<i>Fndc5</i>	fibronectin type III domain containing 5	1435115 at	-2.31	0.00

<i>Eif4e</i> /// LOC630527	eukaryotic translation initiation factor 4E /// hypothetical LOC630527	1423220 at	-2.31	0.00
---	---	1458847 at	-2.31	0.00
<i>AW548124</i>	expressed sequence AW548124	1460411 s at	-2.31	0.00
<i>Cd83</i>	CD83 antigen	1416111 at	-2.32	0.00
<i>Col8a1</i>	procollagen, type VIII, alpha 1	1418440 at	-2.32	0.00
<i>BB164513</i>	Expressed sequence BB164513	1439397 at	-2.32	0.00
---	---	1458341 x at	-2.32	0.00
<i>Upk3b</i>	uroplakin 3B	1434237 at	-2.32	0.00
<i>Dnajb14</i>	Dnaj (Hsp40) homolog, subfamily B, member 14	1430561 at	-2.33	0.00
<i>Rasgrp3</i>	RAS, guanyl releasing protein 3	1438030 at	-2.33	0.00
<i>Hevl</i>	hairy/enhancer-of-split related with YRPW motif-like	1419302 at	-2.33	0.00
<i>Tmem65</i>	transmembrane protein 65	1452942 at	-2.33	0.00
<i>G0s2</i>	G0/G1 switch gene 2	1448700 at	-2.33	0.00
<i>Emilin2</i>	elastin microfibril interfacier 2	1435264 at	-2.33	0.00
<i>A1956758</i>	expressed sequence A1956758	1460003 at	-2.33	0.00
<i>Dnmt3a</i>	DNA methyltransferase 3A	1423063 at	-2.33	0.00
<i>Mitf</i>	microphthalmia-associated transcription factor	1422025 at	-2.33	0.00
<i>Prkaa2</i>	protein kinase, AMP-activated, alpha 2 catalytic subunit	1429464 at	-2.34	0.00
<i>Colec12</i>	collectin sub-family member 12	1419693 at	-2.34	0.00
<i>Ckb</i>	creatine kinase, brain	1455106 a at	-2.34	0.00
<i>1110021L09Rik</i>	RIKEN cDNA 1110021L09 gene	1428795 at	-2.34	0.00
<i>Ppp1r3c</i>	protein phosphatase 1, regulatory (inhibitor) subunit 3C	1433691 at	-2.34	0.00
<i>Thbs2</i>	thrombospondin 2	1450663 at	-2.34	0.00
<i>Alkbh7</i>	alkB, alkylation repair homolog 7 (E. coli)	1428516 a at	-2.35	0.00
<i>Ces3</i>	carboxylesterase 3	1435370 a at	-2.35	0.00
<i>Rpa3</i>	replication protein A3	1448938 at	-2.35	0.00
<i>Mycn</i>	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)	1417155 at	-2.35	0.00
<i>A130092J06Rik</i>	RIKEN cDNA A130092J06 gene	1433657 at	-2.35	0.00
<i>Ppargc1a</i>	Peroxisome proliferative activated receptor, gamma, coactivator 1 alpha	1434100 x at	-2.36	0.00
---	---	1436219 at	-2.36	0.00
<i>BF642829</i>	expressed sequence BF642829	1440227 at	-2.36	0.00
<i>Lynx1</i>	Ly6/neurotoxin 1	1417283 at	-2.36	0.00
<i>Rgs2</i>	regulator of G-protein signaling 2	1447830 s at	-2.36	0.00
<i>Postn</i>	periostin, osteoblast specific factor	1423606 at	-2.36	0.00
<i>Per3</i>	period homolog 3 (Drosophila)	1421087 at	-2.37	0.00
<i>Syde2</i> /// LOC639654	synapse defective 1, Rho GTPase, homolog 2 (C. elegans) /// similar to synapse defective 1, Rho GTPase, homolog 1	1437424_at	-2.37	0.00
<i>Ddit4l</i>	DNA-damage-inducible transcript 4-like	1444139 at	-2.37	0.00
<i>Lims1</i>	LIM and senescent cell antigen-like domains 1	1418230 a at	-2.37	0.00
<i>Sipa1l2</i>	signal-induced proliferation-associated 1 like 2	1434261 at	-2.37	0.00
<i>Car3</i>	carbonic anhydrase 3	1453588 at	-2.37	0.00
<i>P2ry1</i>	purinergic receptor P2Y, G-protein coupled 1	1421456 at	-2.38	0.00
<i>Ddef1</i>	Development and differentiation enhancing	1438301 at	-2.38	0.00
<i>Timp2</i>	tissue inhibitor of metalloproteinase 2	1420924 at	-2.38	0.00
---	Adult male aorta and vein cDNA, RIKEN full-length enriched library, clone:A530095B21 product:unclassifiable, full insert sequence	1457883_at	-2.38	0.00
<i>Ces3</i>	carboxylesterase 3	1449081 at	-2.38	0.00
<i>Ppargc1a</i>	Peroxisome proliferative activated receptor, gamma, coactivator 1 alpha	1434099 at	-2.38	0.00
<i>Plscr4</i>	phospholipid scramblase 4	1433626 at	-2.38	0.00
<i>Mpped2</i>	metallophosphoesterase domain containing 2	1431751 a at	-2.38	0.00
<i>LOC672274</i>	similar to Transcription factor SOX-4	1433575 at	-2.38	0.00
<i>Ppig</i>	peptidyl-prolyl isomerase G (cyclophilin G)	1434475 at	-2.38	0.00
<i>Prickle1</i>	prickle like 1 (Drosophila)	1452249 at	-2.38	0.00
<i>Naalad2</i>	N-acetylated alpha-linked acidic dipeptidase 2	1422671 s at	-2.39	0.00
<i>Meox2</i>	mesenchyme homeobox 2	1424234 s at	-2.39	0.00
<i>Npr3</i>	natriuretic peptide receptor 3	1448024 at	-2.39	0.00
<i>Pde7a</i>	phosphodiesterase 7A	1458218 s at	-2.39	0.00
<i>B430119L13Rik</i>	RIKEN cDNA B430119L13 gene	1435648 at	-2.39	0.00
<i>B230343J05Rik</i>	RIKEN cDNA B230343J05 gene	1436432 at	-2.40	0.00
<i>Colec11</i>	collectin sub-family member 11	1429179 at	-2.40	0.00
<i>Gmps</i>	guanine monophosphate synthetase	1455057 at	-2.40	0.00
<i>Siah2</i>	seven in absentia 2	1448170 at	-2.40	0.00
<i>Kcna1</i>	potassium voltage-gated channel, shaker-related subfamily, member 1	1437230 at	-2.40	0.00
<i>Timp2</i>	tissue inhibitor of metalloproteinase 2	1433662 s at	-2.40	0.00
<i>Klf12</i>	Kruppel-like factor 12	1439847 s at	-2.41	0.00
<i>AW548124</i>	expressed sequence AW548124	1454838 s at	-2.41	0.00
<i>Stk23</i>	serine/threonine kinase 23	1447806 s at	-2.41	0.00
<i>Nope</i>	neighbor of Punc E11	1416474 at	-2.41	0.00
<i>Srpk2</i>	serine/arginine-rich protein specific kinase 2	1417135 at	-2.42	0.00
<i>Vegfc</i>	vascular endothelial growth factor C	1440739 at	-2.42	0.00
<i>Garn14</i>	GTPase activating RANGAP domain-like 4	1434754 at	-2.42	0.00
<i>Slc25a29</i>	solute carrier family 25 (mitochondrial carrier, palmitoylecarnitine transporter), member 29	1438188_x_at	-2.42	0.00
<i>C130009A20Rik</i>	RIKEN cDNA C130009A20 gene	1447623 s at	-2.42	0.00
<i>Csrp2</i>	cysteine and glycine-rich protein 2	1420731 a at	-2.42	0.00
<i>C730029A08Rik</i>	RIKEN cDNA C730029A08 gene	1436168 at	-2.42	0.00
<i>Pla2g5</i>	phospholipase A2, group V	1417814 at	-2.43	0.00
<i>Cpxm2</i>	carboxypeptidase X 2 (M14 family)	1460248 at	-2.43	0.00
<i>Pnkd</i>	paroxysmal nonkinesinogenic dyskinesia	1418746 at	-2.43	0.00
<i>Bdh1</i>	3-hydroxybutyrate dehydrogenase, type 1	1426959 at	-2.43	0.00
<i>Fkbp4</i>	FK506 binding protein 4	1416362 a at	-2.43	0.00
<i>Hrasls</i>	HRAS-like suppressor	1428991 at	-2.44	0.00
---	---	1442473 at	-2.44	0.00
<i>6330509G02Rik</i>	RIKEN cDNA 6330509G02 gene	1434535 at	-2.44	0.00
<i>Jam2</i>	junction adhesion molecule 2	1436568 at	-2.44	0.00
<i>2310010M20Rik</i>	RIKEN cDNA 2310010M20 gene	1432107 at	-2.44	0.00
<i>Gja3</i>	gap junction membrane channel protein alpha 3	1439793 at	-2.45	0.00
<i>Srpk2</i>	serine/arginine-rich protein specific kinase 2	1435746 at	-2.45	0.00
<i>D330017J20Rik</i>	RIKEN cDNA D330017J20 gene	1433847 at	-2.45	0.00
<i>A730046J16</i>	hypothetical protein A730046J16	1433939 at	-2.45	0.00
<i>Car8</i> /// LOC676792	carbonic anhydrase 8 /// similar to Carbonic anhydrase-related protein (CARP) (CA-VIII)	1427482 a at	-2.45	0.00
<i>Fap</i>	fibroblast activation protein	1417552 at	-2.46	0.00
<i>Pkia</i>	protein kinase inhibitor, alpha	1420859 at	-2.46	0.00
<i>Car14</i>	carbonic anhydrase 14	1450725 s at	-2.46	0.00
<i>Tnni3k</i>	TNNI3 interacting kinase	1458482 at	-2.47	0.00
<i>Hccs</i>	holocytochrome c synthetase	1420890 at	-2.47	0.00
<i>B330003H21</i>	hypothetical protein B330003H21	1441139 at	-2.47	0.00

<i>Mgp</i>	matrix Gla protein	1448416 at	-2.47	0.00
<i>Ppp1r14c</i>	protein phosphatase 1, regulatory (inhibitor) subunit 14c	1417701 at	-2.47	0.00
<i>Smtn</i>	smoothelin	1452469 a at	-2.47	0.00
<i>D130058I21Rik</i>	RIKEN cDNA D130058I21 gene	1455794 at	-2.47	0.00
<i>Homer2</i>	homer homolog 2 (Drosophila)	1424367 a at	-2.47	0.00
<i>Reck</i>	reversion-inducing-cysteine-rich protein with kazal motifs	1450784 at	-2.47	0.00
<i>Per3</i>	Period homolog 3 (Drosophila)	1458176 at	-2.47	0.00
<i>Hdhd3</i>	haloacid dehalogenase-like hydrolase domain containing 3	1425343 at	-2.48	0.00
<i>Gucy1b3</i>	guanylate cyclase 1, soluble, beta 3	1420872 at	-2.48	0.00
<i>Ddit3</i>	DNA-damage inducible transcript 3	1443897 at	-2.48	0.00
<i>Spsb4</i>	splA/ryanodine receptor domain and SOCS box containing 4	1451418 a at	-2.48	0.00
<i>Fbxw7</i>	F-box and WD-40 domain protein 7, archipelago homolog (Drosophila)	1424986 s at	-2.48	0.00
<i>Frmad6</i>	FERM domain containing 6	1457184 at	-2.49	0.00
<i>A1452195</i>	expressed sequence A1452195	1435280 at	-2.49	0.00
<i>Eno3</i>	Enolase 3, beta muscle	1449631 at	-2.49	0.00
<i>Hlf</i>	hepatic leukemia factor	1434735 at	-2.49	0.00
<i>Mef2c</i>	myocyte enhancer factor 2C	1421027 a at	-2.49	0.00
<i>Till1</i>	tubulin tyrosine ligase-like 1	1426427 at	-2.50	0.00
<i>Dynll2</i>	dynein light chain LC8-type 2	1418258 s at	-2.50	0.00
<i>Prkaa2</i>	protein kinase, AMP-activated, alpha 2 catalytic subunit	1429463 at	-2.50	0.00
<i>A930038C07Rik</i>	RIKEN cDNA A930038C07 gene	1460465 at	-2.51	0.00
<i>Mbp</i>	myelin basic protein	1456228 x at	-2.51	0.00
<i>Angptl2</i>	angiopoietin-like 2	1421002 at	-2.51	0.00
<i>Tspan2</i>	tetraspanin 2	1424568 at	-2.52	0.00
<i>Asb15</i>	ankyrin repeat and SOCS box-containing protein 15	1439836 at	-2.52	0.00
<i>Gpc6</i>	glypican 6	1419688 at	-2.52	0.00
<i>1700020I14Rik</i>	RIKEN cDNA 1700020I14 gene	1437774 at	-2.52	0.00
---	Transcribed locus	1444307 at	-2.53	0.00
<i>Fgf9</i>	fibroblast growth factor 9	1438718 at	-2.53	0.00
<i>Fat4</i>	FAT tumor suppressor homolog 4 (Drosophila)	1460574 at	-2.53	0.00
<i>Fgf16</i>	fibroblast growth factor 16	1420806 at	-2.53	0.00
<i>493043IH11Rik</i>	RIKEN cDNA 493043IH11 gene	1439484 at	-2.53	0.00
<i>Dnmt3a</i>	DNA methyltransferase 3A	1460324 at	-2.53	0.00
<i>Ccdc69</i>	coiled-coil domain containing 69	1419985 s at	-2.53	0.00
<i>Ank1</i>	ankyrin 1, erythroid	1425677 a at	-2.53	0.00
<i>2510006C20Rik</i>	RIKEN cDNA 2510006C20 gene	1419074 at	-2.54	0.00
<i>2610528E23Rik</i>	RIKEN cDNA 2610528E23 gene	1428519 at	-2.54	0.00
<i>Opct /// LOC639942</i>	glutaminy-peptide cyclotransferase (glutaminy cyclase) /// similar to Glutaminy-peptide cyclotransferase precursor (QC) (Glutaminy-tRNA cyclotransferase) (Glutaminy cyclase)	1426622_a at	-2.54	0.00
<i>Kif13a</i>	kinesin family member 13A	1439532 s at	-2.54	0.00
<i>C730029A08Rik</i>	RIKEN cDNA C730029A08 gene	1436169 at	-2.55	0.00
<i>Rbp1</i>	retinol binding protein 1, cellular	1448754 at	-2.55	0.00
<i>Dpf3</i>	D4, zinc and double PHD fingers, family 3	1442686 at	-2.56	0.00
<i>Scn7a</i>	sodium channel, voltage-gated, type VII, alpha	1436044 at	-2.56	0.00
<i>Plxnb1</i>	plexin B1	1435254 at	-2.56	0.00
<i>Ank</i>	progressive ankylosis	1450627 at	-2.56	0.00
<i>Fgd4</i>	FYVE, RhoGEF and PH domain containing 4	1455337 at	-2.56	0.00
<i>A930008G19Rik</i>	RIKEN cDNA A930008G19 gene	1447176 at	-2.56	0.00
<i>Gucy1b3</i>	guanylate cyclase 1, soluble, beta 3	1420871 at	-2.57	0.00
<i>Ak311</i>	adenylate kinase 3 alpha-like 1	1421830 at	-2.57	0.00
<i>1700040L02Rik</i>	RIKEN cDNA 1700040L02 gene	1428812 at	-2.58	0.00
<i>6720475J19Rik /// LOC670480</i>	RIKEN cDNA 6720475J19 gene /// similar to putative retrovirus-related gag protein	1423072 at	-2.58	0.00
<i>D330050I23Rik</i>	RIKEN cDNA D330050I23 gene	1434301 at	-2.58	0.00
<i>Pltp</i>	phospholipid transfer protein	1417963 at	-2.59	0.00
<i>Gucy1a3</i>	guanylate cyclase 1, soluble, alpha 3	1420534 at	-2.59	0.00
<i>Ntf3</i>	neurotrophin 3	1434802 s at	-2.59	0.00
<i>Cav2</i>	caveolin 2	1417327 at	-2.60	0.00
<i>Gucy1a3</i>	guanylate cyclase 1, soluble, alpha 3	1434141 at	-2.60	0.00
<i>Prickle1</i>	Prickle like 1 (Drosophila)	1457637 at	-2.60	0.00
<i>Rassf3</i>	Ras association (RalGDS/AF-6) domain family 3	1448547 at	-2.60	0.00
<i>5730410E15Rik</i>	RIKEN cDNA 5730410E15 gene	1447609 at	-2.60	0.00
<i>2610301F02Rik</i>	RIKEN cDNA 2610301F02 gene	1457681 at	-2.60	0.00
<i>Aadacl1</i>	arylacacetamide deacetylase-like 1	1435135 at	-2.61	0.00
<i>Aqp1</i>	aquaporin 1	1416203 at	-2.61	0.00
<i>Ok</i>	quaking	1417073 a at	-2.61	0.00
<i>Kitl</i>	Kit ligand	1440621 at	-2.61	0.00
<i>Gulp1</i>	GULP, engulfment adaptor PTB domain containing 1	1453771 at	-2.61	0.00
---	---	1455090 at	-2.61	0.00
<i>Tmem45b</i>	transmembrane protein 45b	1424357 at	-2.61	0.00
<i>9430047G12Rik</i>	RIKEN cDNA 9430047G12 gene	1458892 at	-2.62	0.00
<i>Myct1</i>	myc target 1	1438048 at	-2.62	0.00
<i>9330120H11Rik</i>	RIKEN cDNA 9330120H11 gene	1457671 at	-2.62	0.00
<i>Mef2c</i>	Myocyte enhancer factor 2C	1439946 at	-2.63	0.00
<i>Rassf3</i>	Ras association (RalGDS/AF-6) domain family 3	1448546 at	-2.63	0.00
<i>Dpt</i>	dermatopontin	1418511 at	-2.63	0.00
<i>Igf1</i>	insulin-like growth factor 1	1419519 at	-2.63	0.00
<i>Col15a1</i>	procollagen, type XV	1448755 at	-2.63	0.00
<i>9630010G10Rik</i>	RIKEN cDNA 9630010G10 gene	1460121 at	-2.64	0.00
<i>Thbs2</i>	thrombospondin 2	1422571 at	-2.65	0.00
<i>Kitl</i>	kit ligand	1448117 at	-2.65	0.00
---	PREDICTED: Mus musculus hypothetical protein LOC628151 (LOC628151), mRNA	1445764 at	-2.65	0.00
<i>A930004K21Rik</i>	RIKEN cDNA A930004K21 gene	1436243 at	-2.65	0.00
<i>Cdc14b</i>	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	1429418 at	-2.66	0.00
<i>Pdlim4</i>	PDZ and LIM domain 4	1417928 at	-2.66	0.00
<i>Cttnm8</i>	CKLF-like MARVEL transmembrane domain containing 8	1427964 at	-2.66	0.00
<i>D330010C22Rik</i>	RIKEN cDNA 330010C22 gene	1436277 at	-2.66	0.00
<i>Pah</i>	phenylalanine hydroxylase	1454638 a at	-2.66	0.00
<i>Adcy7</i>	adenylate cyclase 7	1456307 s at	-2.67	0.00
<i>6330505F04Rik</i>	RIKEN cDNA 6330505F04 gene	1438496 a at	-2.67	0.00
<i>Pltp</i>	phospholipid transfer protein	1456424 s at	-2.67	0.00
<i>Vsig4</i>	V-set and immunoglobulin domain containing 4	1451651 at	-2.67	0.00
<i>Meox2</i>	mesenchyme homeobox 2	1424233 at	-2.67	0.00
<i>Slc6a6</i>	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	1437149 at	-2.68	0.00
<i>Kif1b</i>	kinesin family member 1B	1425270 at	-2.68	0.00
<i>A1317395</i>	expressed sequence A1317395	1436109 at	-2.69	0.00
<i>Matn2</i>	matrilin 2	1419442 at	-2.69	0.00

<i>Manba</i>	mannosidase, beta A, lysosomal	1450626 at	-2.69	0.00
<i>Slc8a1</i>	Solute carrier family 8 (sodium/calcium exchanger), member 1	1447231 at	-2.69	0.00
<i>Epha4</i>	Eph receptor A4	1421928 at	-2.69	0.00
<i>Prkar2b</i>	protein kinase, cAMP dependent regulatory, type II beta	1438664 at	-2.69	0.00
<i>1110032E23Rik</i>	RIKEN cDNA 1110032E23 gene	1416805 at	-2.70	0.00
<i>Vin</i>	vitronectin	1420484 a at	-2.70	0.00
<i>Tcf15</i>	transcription factor 15	1449592 at	-2.70	0.00
<i>AI314604</i>	expressed sequence AI314604	1442075 at	-2.70	0.00
<i>Nhs1</i>	NHS-like 1	1426934 at	-2.70	0.00
<i>Npr3</i>	natriuretic peptide receptor 3	1435184 at	-2.71	0.00
<i>Enpp3</i>	ectonucleotide pyrophosphatase/phosphodiesterase 3	1439260 a at	-2.71	0.00
<i>Comp</i>	cartilage oligomeric matrix protein	1419527 at	-2.72	0.00
<i>Fhl2</i>	four and a half LIM domains 2	1419184 a at	-2.72	0.00
<i>Eif4e</i>	eukaryotic translation initiation factor 4E	1450909 at	-2.73	0.00
---	---	1455374 at	-2.73	0.00
<i>BC026657</i>	cDNA sequence BC026657	1426880 at	-2.74	0.00
<i>Pfkfb2</i>	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2	1429486 at	-2.75	0.00
<i>Pkd2l2</i>	polycystic kidney disease 2-like 2	1449469 at	-2.75	0.00
<i>Mamdc2</i>	MAM domain containing 2	1453152 at	-2.76	0.00
<i>Tpm2</i>	tropomyosin 2, beta	1425028 a at	-2.76	0.00
<i>Pitpnc1</i>	phosphatidylinositol transfer protein, cytoplasmic 1	1455204 at	-2.76	0.00
<i>Kcnd2</i>	Potassium voltage-gated channel, Shal-related family, member 2	1459288 at	-2.76	0.00
<i>Lpin1</i>	lipin 1	1418288 at	-2.78	0.00
<i>ApoE</i>	apolipoprotein E	1432466 a at	-2.78	0.00
<i>Ppargc1b</i>	peroxisome proliferative activated receptor, gamma, coactivator 1 beta	1449945 at	-2.78	0.00
<i>Zfp606</i>	zinc finger protein 606	1454951 at	-2.79	0.00
<i>Scn7a</i>	sodium channel, voltage-gated, type VII, alpha	1436043 at	-2.79	0.00
<i>Itm2a</i>	integral membrane protein 2A	1451047 at	-2.79	0.00
<i>Asb2</i>	ankyrin repeat and SOCS box-containing protein 2	1428444 at	-2.79	0.00
<i>1190002N15Rik</i>	RIKEN cDNA 1190002N15 gene	1433582 at	-2.80	0.00
<i>Asb10</i>	ankyrin repeat and SOCS box-containing protein 10	1441581 at	-2.80	0.00
<i>Ldhh</i>	Lactate dehydrogenase B	1442618 at	-2.80	0.00
<i>Kcnd2</i>	Potassium voltage-gated channel, Shal-related family, member 2	1446065 at	-2.81	0.00
<i>1810012P15Rik</i>	RIKEN cDNA 1810012P15 gene	1436548 at	-2.81	0.00
<i>Obscn</i>	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF	1443632 at	-2.81	0.00
<i>2610301F02Rik</i>	RIKEN cDNA 2610301F02 gene	1429946 at	-2.82	0.00
<i>Camk1d</i>	calcium/calmodulin-dependent protein kinase ID	1452050 at	-2.82	0.00
<i>Ky</i>	kypsochloisis peptidase	1440435 at	-2.82	0.00
<i>A530058N18Rik</i>	RIKEN cDNA A530058N18 gene	1443470 at	-2.82	0.00
<i>Fbxw7</i>	F-box and WD-40 domain protein 7, archipelago homolog (Drosophila)	1451558 at	-2.83	0.00
<i>BB144871</i>	expressed sequence BB144871	1436453 at	-2.83	0.00
<i>1500015O10Rik</i>	RIKEN cDNA 1500015O10 gene	1460049 s at	-2.83	0.00
<i>Plxdc2</i>	plexin domain containing 2	1449270 at	-2.83	0.00
<i>Runx1t1</i>	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	1427640 a at	-2.83	0.00
<i>2900041A09Rik</i>	RIKEN cDNA 2900041A09 gene	1452766 at	-2.83	0.00
---	16 days neonate heart cDNA, RIKEN full-length enriched library, clone:D830044D09 product:unclassifiable, full insert sequence	1442304_at	-2.83	0.00
<i>Arhgap18</i>	Rho GTPase activating protein 18	1426952 at	-2.83	0.00
<i>Esrrg</i>	estrogen-related receptor gamma	1457896 at	-2.83	0.00
<i>1810012P15Rik</i>	RIKEN cDNA 1810012P15 gene	1440234 at	-2.84	0.00
---	Transcribed locus	1445574 at	-2.84	0.00
<i>Pde7a</i>	phosphodiesterase 7A	1451839 a at	-2.85	0.00
<i>Pcdh12</i>	protocadherin 12	1437928 at	-2.85	0.00
<i>LOC380843 /// LOC638266 /// LOC666794</i>	similar to RNA binding motif protein 24 /// similar to RNA binding motif protein 24 /// similar to RNA binding motif protein 24	1443715_at	-2.85	0.00
<i>6030442H21Rik</i>	RIKEN cDNA 6030442H21 gene	1432746 at	-2.86	0.00
---	PREDICTED: Mus musculus similar to HYPOTHETICAL PROTEIN ORF-1137 (LOC626631), mRNA	1446524_at	-2.86	0.00
<i>Nov</i>	nephroblastoma overexpressed gene	1426851 a at	-2.88	0.00
<i>Snai2</i>	snail homolog 2 (Drosophila)	1447643 x at	-2.88	0.00
<i>Lrrc17</i>	leucine rich repeat containing 17	1429679 at	-2.89	0.00
<i>Vegfa</i>	vascular endothelial growth factor A	1420909 at	-2.90	0.00
<i>4631423F02Rik</i>	RIKEN cDNA 4631423F02 gene	1452707 at	-2.90	0.00
<i>Iqgap2</i>	IQ motif containing GTPase activating protein 2	1433885 at	-2.90	0.00
<i>Igfbp5</i>	insulin-like growth factor binding protein 5	1452114 s at	-2.91	0.00
<i>Ung</i>	uracil DNA glycosylase	1425753 s at	-2.92	0.00
<i>Lepr</i>	leptin receptor	1456156 at	-2.92	0.00
<i>Lepr</i>	leptin receptor	1425644 at	-2.92	0.00
<i>Col4a4</i>	procollagen, type IV, alpha 4	1445328 at	-2.93	0.00
<i>Paqr9</i>	progesterin and adipoQ receptor family member IX	1455025 at	-2.93	0.00
<i>Pank1</i>	pantothenate kinase 1	1457110 at	-2.93	0.00
<i>Kcnk3</i>	potassium channel, subfamily K, member 3	1425341 at	-2.94	0.00
<i>Mfap4</i>	microfibrillar-associated protein 4	1424010 at	-2.94	0.00
<i>2310005P05Rik</i>	RIKEN cDNA 2310005P05 gene	1417877 at	-2.94	0.00
<i>Egln3</i>	EGL nine homolog 3 (C. elegans)	1418648 at	-2.95	0.00
<i>Lrrc39</i>	leucine rich repeat containing 39	1445841 at	-2.95	0.00
<i>Cxcr4</i>	chemokine (C-X-C motif) receptor 4	1448710 at	-2.96	0.00
<i>Ak311</i>	adenylate kinase 3 alpha-like 1	1450387 s at	-2.97	0.00
<i>Ptgfr</i>	prostaglandin F receptor	1453924 a at	-2.97	0.00
<i>Fgf12</i>	fibroblast growth factor 12	1451693 a at	-2.97	0.00
<i>Tmem86a</i>	transmembrane protein 86A	1428758 at	-2.97	0.00
<i>Kcnd2</i>	potassium voltage-gated channel, Shal-related family, member 2	1450773 at	-2.98	0.00
<i>1110037P11Rik</i>	RIKEN cDNA 1110037P11 gene	1430269 at	-2.98	0.00
<i>Efh1</i>	EF hand domain containing 1	1448507 at	-2.98	0.00
<i>1190002N15Rik</i>	RIKEN cDNA 1190002N15 gene	1433581 at	-2.99	0.00
<i>AI317158</i>	expressed sequence AI317158	1445481 at	-2.99	0.00
<i>Stc2</i>	stanniocalcin 2	1449484 at	-2.99	0.00
<i>Rab3a</i>	RAB3A, member RAS oncogene family	1422589 at	-3.00	0.00
<i>Mss1</i>	metastasis suppressor 1	1446284 at	-3.00	0.00
<i>Ppil1</i>	peptidylprolyl isomerase (cyclophilin)-like 1	1428892 at	-3.00	0.00
<i>Hdac9</i>	histone deacetylase 9	1434572 at	-3.00	0.00
<i>1500005K14Rik</i>	RIKEN cDNA 1500005K14 gene	1429764 at	-3.01	0.00
<i>Kctd12b</i>	potassium channel tetramerisation domain containing 12b	1442368 at	-3.01	0.00
<i>Spare1</i>	SPARC-like 1 (mast9, hevjin)	1416114 at	-3.01	0.00
<i>Wif1</i>	Wnt inhibitory factor 1	1425425 a at	-3.03	0.00
<i>Galm</i>	galactose mutarotase	1452583 s at	-3.03	0.00
<i>Upk3b</i>	uroplakin 3B	1454881 s at	-3.04	0.00

<i>Jph2</i>	junctionophilin 2	1455404 at	-3.04	0.00
<i>Sema3c</i>	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	1429348 at	-3.05	0.00
<i>Pde4d</i>	phosphodiesterase 4D, cAMP specific	1459311 at	-3.05	0.00
<i>Gpm6a</i>	glycoprotein m6a	1456741 s at	-3.06	0.00
<i>Sox7</i>	SRY-box containing gene 7	1416564 at	-3.06	0.00
---	Transcribed locus	1437967 at	-3.08	0.00
<i>Wnt5a</i>	wingless-related MMTV integration site 5A	1436791 at	-3.08	0.00
<i>Fblim1</i>	filamin binding LIM protein 1	1449141 at	-3.08	0.00
<i>4930534B04Rik</i>	RIKEN cDNA 4930534B04 gene	1441867 x at	-3.09	0.00
---	---	1450085 at	-3.09	0.00
<i>Kif1b</i>	kinesin family member 1B	1455182 at	-3.10	0.00
<i>Acta2</i>	actin, alpha 2, smooth muscle, aorta	1416454 s at	-3.11	0.00
<i>Itih5</i>	inter-alpha (globulin) inhibitor H5	1441946 at	-3.11	0.00
---	0 day neonate thymus cDNA, RIKEN full-length enriched library, clone:A430057L20 product:unclassifiable, full insert sequence	1446205 at	-3.11	0.00
<i>Ppp1r14c /// 4930402H24Rik</i>	protein phosphatase 1, regulatory (inhibitor) subunit 14c /// RIKEN cDNA 4930402H24 gene	1430286_s at	-3.12	0.00
<i>Cenpa</i>	Centromere autoantigen A	1444416 at	-3.12	0.00
<i>LOC669637</i>	similar to calcium channel, voltage-dependent, alpha 2/delta subunit 2	1450754 at	-3.14	0.00
---	---	1444025 at	-3.14	0.00
<i>Nov</i>	nephroblastoma overexpressed gene	1426852 x at	-3.15	0.00
<i>Epha4</i>	Eph receptor A4	1421929 at	-3.16	0.00
<i>Lrrc3b</i>	leucine rich repeat containing 3B	1451245 at	-3.16	0.00
<i>D330010C22Rik</i>	RIKEN cDNA 330010C22 gene	1444404 at	-3.17	0.00
<i>Kcnd2</i>	potassium voltage-gated channel, Shal-related family, member 2	1422834 at	-3.19	0.00
<i>Epha4</i>	Eph receptor A4	1429021 at	-3.21	0.00
<i>Cpeb3</i>	cytoplasmic polyadenylation element binding protein 3	1437765 at	-3.21	0.00
<i>Hey1</i>	hairly/enhancer-of-split related with YRPW motif 1	1415999 at	-3.21	0.00
<i>Sl8sia4</i>	ST8 alpha-N-acetyl-neuraminidase alpha-2,8-sialyltransferase 4	1419186 a at	-3.22	0.00
<i>Tmc7</i>	transmembrane channel-like gene family 7	1456981 at	-3.23	0.00
<i>Tmprss13</i>	transmembrane protease, serine 13	1427477 at	-3.24	0.00
<i>D0H4S114</i>	DNA segment, human D4S114	1450839 at	-3.24	0.00
<i>D0H4S114</i>	DNA segment, human D4S114	1436736 x at	-3.24	0.00
<i>Slc22a3</i>	solute carrier family 22 (organic cation transporter), member 3	1420444 at	-3.25	0.00
<i>Dnmt3a</i>	DNA methyltransferase 3A	1423065 at	-3.26	0.00
<i>Mmp15</i>	matrix metalloproteinase 15	1422597 at	-3.26	0.00
<i>Iqgap2</i>	IQ motif containing GTPase activating protein 2	1459894 at	-3.27	0.00
<i>Arhgap18</i>	Rho GTPase activating protein 18	1438882 at	-3.27	0.00
<i>Cilp</i>	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	1457296 at	-3.28	0.00
<i>Mmp15</i>	Matrix metalloproteinase 15	1439734 at	-3.28	0.00
<i>2610301F02Rik</i>	RIKEN cDNA 2610301F02 gene	1447250 a at	-3.29	0.00
<i>Fsd2</i>	fibronectin type III and SPRY domain containing 2	1457031 at	-3.29	0.00
<i>Cpeb3</i>	cytoplasmic polyadenylation element binding protein 3	1456048 at	-3.30	0.00
<i>Lum</i>	lumican	1423607 at	-3.30	0.00
<i>Hmcn1</i>	hemicentin 1	1438532 at	-3.31	0.00
<i>Dcakd</i>	dephospho-CoA kinase domain containing	1460205 at	-3.32	0.00
<i>Igf2</i>	insulin-like growth factor 2	1448152 at	-3.32	0.00
<i>Stmn2</i>	stathmin-like 2	1423280 at	-3.32	0.00
---	---	1441220 at	-3.32	0.00
<i>Myh11</i>	myosin, heavy polypeptide 11, smooth muscle	1448962 at	-3.33	0.00
<i>Sdpr</i>	serum deprivation response	1416778 at	-3.33	0.00
<i>Cpeb3</i>	cytoplasmic polyadenylation element binding protein 3	1455372 at	-3.33	0.00
---	---	1434423 at	-3.35	0.00
<i>Cxcl12</i>	chemokine (C-X-C motif) ligand 12	1417574 at	-3.35	0.00
<i>Tspan13</i>	tetraspanin 13	1418643 at	-3.35	0.00
<i>Ok</i>	Quaking	1438892 at	-3.37	0.00
<i>Tbc1d10c</i>	TBC1 domain family, member 10c	1454850 at	-3.37	0.00
<i>Kitl</i>	kit ligand	1415855 at	-3.38	0.00
<i>Col8a1</i>	procollagen, type VIII, alpha 1	1455627 at	-3.39	0.00
<i>Mmp15</i>	matrix metalloproteinase 15	1437462 x at	-3.40	0.00
<i>Copg2as2</i>	coatamer protein complex, subunit gamma 2, antisense 2	1427123 s at	-3.40	0.00
<i>Cnn1</i>	calponin 1	1417917 at	-3.40	0.00
<i>Casq1</i>	calsequestrin 1	1422598 at	-3.41	0.00
<i>Tuba8</i>	tubulin, alpha 8	1419518 at	-3.42	0.00
<i>Syt12</i>	synaptotagmin-like 2	1421594 a at	-3.44	0.00
<i>Asb10</i>	ankyrin repeat and SOCS box-containing protein 10	1421466 at	-3.48	0.00
<i>Kcna1</i>	potassium voltage-gated channel, shaker-related subfamily, member 1	1455785 at	-3.53	0.00
<i>A530016O06Rik</i>	RIKEN cDNA A530016O06 gene	1434191 at	-3.54	0.00
<i>Dbp</i>	D site albumin promoter binding protein	1438211 s at	-3.54	0.00
<i>Gas1</i>	growth arrest specific 1	1416855 at	-3.54	0.00
<i>Igsf1</i>	immunoglobulin superfamily, member 1	1433652 at	-3.56	0.00
<i>Tspan13</i>	tetraspanin 13	1460239 at	-3.56	0.00
<i>Wnt5a</i>	wingless-related MMTV integration site 5A	1448818 at	-3.57	0.00
<i>Cdkn1c</i>	cyclin-dependent kinase inhibitor 1C (P57)	1417649 at	-3.58	0.00
<i>Fbln5</i>	fibulin 5	1416164 at	-3.59	0.00
<i>Im2a</i>	integral membrane protein 2A	1423608 at	-3.60	0.00
<i>Efnb3</i>	ephrin B3	1423085 at	-3.61	0.00
<i>Kif1b</i>	kinesin family member 1B	1451642 at	-3.63	0.00
---	15 days embryo embryonic body below diaphragm cDNA, RIKEN full-length enriched library, clone:8230401F05 product:unclassifiable, full insert sequence	1441111 at	-3.64	0.00
<i>Dbp</i>	D site albumin promoter binding protein	1418174 at	-3.67	0.00
<i>Ltbp4</i>	latent transforming growth factor beta binding protein 4	1436665 a at	-3.68	0.00
<i>Gas1</i>	growth arrest specific 1	1448494 at	-3.70	0.00
<i>Myc1</i>	myc target 1	1447584 s at	-3.70	0.00
<i>Plekhh1</i>	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	1435053 s at	-3.71	0.00
<i>Iigb1</i>	integrin, beta-like 1	1425039 at	-3.71	0.00
<i>Hlf</i>	hepatic leukemia factor	1434736 at	-3.72	0.00
<i>Myc1</i>	myc target 1	1426433 at	-3.73	0.00
<i>Abca9</i>	ATP-binding cassette transporter sub-family A member 9	1440879 at	-3.74	0.00
<i>Ok</i>	quaking	1425597 a at	-3.76	0.00
<i>Tmem25</i>	transmembrane protein 25	1436644 x at	-3.77	0.00
<i>Ptgif</i>	prostaglandin F receptor	1420349 at	-3.77	0.00
<i>1200009O22Rik</i>	RIKEN cDNA 1200009O22 gene	1428922 at	-3.78	0.00
<i>Aqp7</i>	aquaporin 7	1418849 x at	-3.79	0.00
<i>Fgf12</i>	fibroblast growth factor 12	1440270 at	-3.80	0.00
<i>Tspan2</i>	tetraspanin 2	1424567 at	-3.83	0.00

<i>Cfd</i>	complement factor D (adipsin)	1417867 at	-3.83	0.00
<i>Tmem16d</i>	transmembrane protein 16D (eight membrane-spanning domains)	1442143 at	-3.84	0.00
<i>BB001228</i>	expressed sequence BB001228	1455425 at	-3.86	0.00
<i>2610301F02Rik</i>	RIKEN cDNA 2610301F02 gene	1460125 at	-3.86	0.00
<i>Col6a3 /// LOC674521</i>	procollagen, type VI, alpha 3 /// similar to alpha 3 type VI collagen isoform 1 precursor	1424131 at	-3.87	0.00
<i>Epha4</i>	Eph receptor A4	1439757 s at	-3.87	0.00
<i>Cenpa</i>	centromere autoantigen A	1450842 a at	-3.88	0.00
<i>Reep1</i>	receptor accessory protein 1	1433509 s at	-3.89	0.00
<i>1810011O10Rik</i>	RIKEN cDNA 1810011O10 gene	1451415 at	-3.94	0.00
<i>Ucp1</i>	uncoupling protein 1 (mitochondrial, proton carrier)	1418197 at	-3.94	0.00
<i>Islr</i>	immunoglobulin superfamily containing leucine-rich repeat	1418450 at	-3.99	0.00
<i>Igf1</i>	insulin-like growth factor 1	1437401 at	-4.05	0.00
<i>Tfrc</i>	transferrin receptor	1452661 at	-4.06	0.00
<i>Fblim1</i>	filamin binding LIM protein 1	1418569 at	-4.06	0.00
<i>Tagln</i>	transgelin	1423505 at	-4.07	0.00
<i>Lrtm1</i>	leucine-rich repeats and transmembrane domains 1	1443866 at	-4.10	0.00
<i>Ppargc1a</i>	peroxisome proliferative activated receptor, gamma, coactivator 1 alpha	1460336 at	-4.11	0.00
<i>Igh-6</i>	immunoglobulin heavy chain 6 (heavy chain of IgM)	1427329 a at	-4.13	0.00
<i>Iiga8</i>	integrin alpha 8	1427489 at	-4.13	0.00
<i>LOC668940 /// LOC669705 /// LOC674786</i>	hypothetical protein LOC668940 /// hypothetical protein LOC669705 /// hypothetical protein LOC674786	1444305_at	-4.18	0.00
<i>Cbr2</i>	carbonyl reductase 2	1418509 at	-4.20	0.00
<i>Mbp</i>	myelin basic protein	1433532 a at	-4.21	0.00
<i>Copg2as2</i>	coatamer protein complex, subunit gamma 2, antisense 2	1427320 at	-4.21	0.00
<i>Car3</i>	carbonic anhydrase 3	1430584 s at	-4.22	0.00
<i>Plekhh1</i>	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	1447807 s at	-4.23	0.00
<i>Sdpr</i>	serum deprivation response	1416779 at	-4.25	0.00
<i>Agtrl1</i>	angiotensin receptor-like 1	1423037 at	-4.26	0.00
<i>Tuba4</i>	tubulin, alpha 4	1417373 a at	-4.28	0.00
<i>Ogn</i>	osteolectin	1419662 at	-4.33	0.00
<i>Aspn</i>	asporin	1448421 s at	-4.35	0.00
<i>Lrtm1</i>	leucine-rich repeats and transmembrane domains 1	1444429 at	-4.37	0.00
<i>Sh3kbp1</i>	SH3-domain kinase binding protein 1	1431592 a at	-4.38	0.00
---	Transcribed locus	1455961 at	-4.38	0.00
<i>Asph</i>	aspartate-beta-hydroxylase	1425274 at	-4.44	0.00
<i>1700020C11Rik</i>	RIKEN cDNA 1700020C11 gene	1424223 at	-4.44	0.00
<i>Gpc6</i>	glypican 6	1428774 at	-4.44	0.00
<i>Sdpr</i>	serum deprivation response	1443832 s at	-4.48	0.00
<i>Ogn</i>	osteolectin	1419663 at	-4.50	0.00
---	---	1446771 at	-4.51	0.00
<i>5730410E15Rik</i>	RIKEN cDNA 5730410E15 gene	1438667 at	-4.53	0.00
<i>Sertad4</i>	SERTA domain containing 4	1454877 at	-4.53	0.00
<i>Lmod3</i>	leiomodrin 3 (fetal)	1439658 at	-4.60	0.00
<i>2310042D19Rik</i>	RIKEN cDNA 2310042D19 gene	1429598 at	-4.60	0.00
<i>Myl9</i>	myosin, light polypeptide 9, regulatory	1452670 at	-4.60	0.00
<i>Clqtnf9</i>	Clq and tumor necrosis factor related protein 9	1442033 at	-4.61	0.00
<i>Ecm2</i>	extracellular matrix protein 2, female organ and adipocyte specific	1440096 at	-4.63	0.00
<i>Klhdc8a</i>	kelch domain containing 8A	1424885 at	-4.78	0.00
---	Transcribed locus, weakly similar to XP_328828.1 predicted protein [Neurospora crassa]	1434413 at	-4.80	0.00
<i>Colec11</i>	collectin sub-family member 11	1458345 s at	-4.85	0.00
<i>Pcsk6</i>	proprotein convertase subtilisin/kexin type 6	1426981 at	-4.85	0.00
<i>Retla</i>	resistin like alpha	1449015 at	-4.89	0.00
<i>Sh3kbp1</i>	SH3-domain kinase binding protein 1	1460337 at	-4.99	0.00
<i>Akr1c14</i>	aldo-keto reductase family 1, member C14	1418979 at	-5.13	0.00
<i>1810011O10Rik</i>	RIKEN cDNA 1810011O10 gene	1435595 at	-5.17	0.00
<i>Gpc6</i>	glypican 6	1437417 s at	-5.18	0.00
<i>Inmt</i>	indolethylamine N-methyltransferase	1418697 at	-5.22	0.00
<i>2210419108Rik</i>	RIKEN cDNA 2210419108 gene	1429637 at	-5.24	0.00
<i>Dmn</i>	desmuslin	1457275 at	-5.28	0.00
<i>Bex1</i>	brain expressed gene 1	1448595 a at	-5.39	0.00
<i>Simn2</i>	stathmin-like 2	1423281 at	-5.52	0.00
<i>Asph</i>	aspartate-beta-hydroxylase	1425275 at	-5.65	0.00
<i>Klra3</i>	killer cell lectin-like receptor, subfamily A, member 3	1425436 x at	-5.65	0.00
<i>Fmod</i>	fibromodulin	1456084 x at	-5.67	0.00
<i>Cenpf</i>	centromere autoantigen F	1427161 at	-5.76	0.00
<i>Cyt1</i>	cytokine like 1	1456793 at	-5.78	0.00
<i>Col14a1</i>	procollagen, type XIV, alpha 1	1427168 a at	-5.81	0.00
<i>Till1</i>	tubulin tyrosine ligase-like 1	1436833 x at	-5.87	0.00
<i>Aspn</i>	asporin	1416652 at	-5.90	0.00
<i>Tuba4</i>	tubulin, alpha 4	1417374 at	-5.95	0.00
<i>Sh3kbp1</i>	SH3-domain kinase binding protein 1	1456261 at	-6.40	0.00
<i>Abca8a</i>	ATP-binding cassette, sub-family A (ABC1), member 8a	1427371 at	-6.59	0.00
<i>Gpr22</i>	G protein-coupled receptor 22	1434673 at	-6.66	0.00
<i>Scube2</i>	signal peptide, CUB domain, EGF-like 2	1453486 a at	-7.18	0.00
<i>Gpr22</i>	G protein-coupled receptor 22	1434672 at	-7.34	0.00
<i>Penk1</i>	preproenkephalin 1	1427038 at	-7.73	0.00
<i>4631408O11Rik</i>	RIKEN cDNA 4631408O11 gene	1429159 at	-7.79	0.00
<i>Iiga8</i>	integrin alpha 8	1454966 at	-8.48	0.00
<i>Car3</i>	carbonic anhydrase 3	1460256 at	-8.52	0.00
<i>H19</i>	H19 fetal liver mRNA	1448194 a at	-10.83	0.00
<i>Agtrl1</i>	angiotensin receptor-like 1	1438651 a at	-14.04	0.00
<i>Adipoq</i>	adiponectin, C1Q and collagen domain containing	1422651 at	-16.81	0.00
<i>Car3</i>	carbonic anhydrase 3	1449434 at	-38.05	0.00

TABLE S5 - Canonical pathways modified by LPS

Ingenity Canonical Pathways	-log(p)-value Ratio	Molecules
Acute Inflammation Response Signaling	8.04E02	2.02E-01
Interferon Signaling	7.74E00	4.33E-01
Activation of IRF by Cytosolic Pattern Recognition Receptors	6.86E00	2.33E-01
Hepatic Fibrosis / Hepatic Stellate Cell Activation	6.15E00	2.01E-01
Dendritic Cell Maturation	6.04E00	1.51E-01
Role of Macrophages, Fibroblasts and Endothelial Cells in Rheumatoid Arthritis	5.59E00	1.34E-01
Relapse and Mediated Apoptosis Signaling	5.27E00	1.24E-01
Antigen Presentation Pathways	5.19E00	2.56E-01
Role of Pattern Recognition Receptors in Recognition of Bacteria and Viruses	5.08E00	1.21E-01
Death Receptor Signaling	4.72E00	1.94E-01
IL-10 Signaling	4.49E00	2.14E-01
Role of RIG-I-like Receptors in Antiviral Innate Immunity	4.19E00	1.98E-01
Complement System	4E+00	2.55E-01
Bladder Cancer Signaling	3.99E00	1.45E-01
Pathogenesis of Multiple Sclerosis	3.84E00	3.96E-01
Role of PKR in Interferon Induction and Antiviral Response	3.82E00	2.39E-01
JAK/Stat Signaling	3.7E00	2.19E-01
Glucocorticoid Receptor Signaling	3.67E00	1.25E-01
GM-CSF Signaling	3.62E00	2.09E-01
IL-9 Signaling	3.42E00	2.43E-01
Induction of Apoptosis by HIV1	3.38E00	2E-01
TREM1 Signaling	3.29E00	1.74E-01
NF-κB Signaling	3.18E00	1.44E-01
IL-17 Signaling	3.18E00	1.89E-01
Protein Signaling	3.18E00	1.87E-01
Type 1 Diabetes Mellitus Signaling	3.14E00	1.51E-01
p38 MAPK Signaling	3.08E00	1.77E-01
Toll-like Receptor Signaling	3.04E00	2.04E-01
TNFR2 Signaling	2.94E00	2.42E-01
Neuroprotective Role of THOP1 in Alzheimer's Disease	2.89E00	1.67E-01
Hepatic Cholestasis	2.84E00	1.21E-01
Hepatic Activation	2.74E00	1.55E-01
Apoptosis Signaling	2.74E00	1.67E-01
Nitrogen Metabolism	2.71E00	7.52E-02
TNFR1 Signaling	2.63E00	1.92E-01
Production of Nitric Oxide and Reactive Oxygen Species in Macrophages	2.58E00	1.19E-01
Growth Hormone Signaling	2.57E00	1.71E-01
Interplay between Dendritic Cells and Natural Killer Cells	2.45E00	1.44E-01
Oncostatin M Signaling	2.45E00	2.29E-01
Erythropoietin Signaling	2.44E00	1.58E-01
Type 1 Diabetes Mellitus Signaling	2.35E00	1.08E-01
LXR/RXR Activation	2.33E00	1.4E-01
HIF-1 Signaling	2.29E00	1.39E-01
IL-15 Signaling	2.21E00	1.64E-02
Docosahexaenoic Acid (DHA) Signaling	2.2E00	1.67E-01
Grass-venus-Host Disease Signaling	2.2E00	1.63E-01
IL7 Signaling in Hematopoietic Progenitor Cells	2.17E00	1.62E-02
Atherosclerosis Signaling	2.16E00	1.33E-01
Lymphotxin β Receptor Signaling	2.15E00	1.64E-01
Cellular-mediated Endocytosis Signaling	2.15E00	1.41E-01
Relaxin Signaling	2.04E00	1.48E-01
NF-κB Activation by Viruses	2.02E00	1.18E-02
IL-4 Signaling	2.0E00	1.51E-01
Amyotrophic Lateral Sclerosis Signaling	1.99E00	1.25E-01
Wnt5a Entry via Endocytic Pathways	1.98E00	1.33E-01
TWEAK Signaling	1.95E00	1.84E-01
Angiotensin Signaling	1.95E00	1.49E-01
Role of PI3K/AKT Signaling in the Pathogenesis of Influenza	1.92E00	1.19E-01
Pancreatic Adenocarcinoma Signaling	1.91E00	1.93E-01
Systemic Lupus Erythematosus Signaling	1.91E00	1.29E-01
Leptin Signaling	1.89E00	1.33E-01
Clastrin-mediated Endocytosis Signaling	1.88E00	1.2E-01
PI3K/AKT Signaling	1.85E00	1.15E-01
Acute Myeloid Leukemia Signaling	1.84E00	1.46E-01
p53 Signaling	1.79E00	1.41E-01
RANK Signaling in Osteoclasts	1.79E00	1.35E-01
IL-10 Signaling	1.75E00	1.35E-01
Colorectal Cancer Metastasis Signaling	1.74E00	1.06E-01
PKR/RXR Activation	1.72E00	1.1E-01
Small Cell Lung Cancer Signaling	1.71E00	1.24E-01
Gloma Invasiveness Signaling	1.7E00	1.58E-01
CNTF Signaling	1.68E00	1.54E-01
Primary Immunodeficiency Signaling	1.68E00	1.03E-01
PPAR Signaling	1.59E00	1.22E-01
VEGF Signaling	1.59E00	1.24E-01
Ary Hydrocarbon Receptor Signaling	1.58E00	1.1E-01
ERK/MAPK Signaling	1.57E00	1.09E-01
Role of NFAT in Regulation of the Immune Response	1.57E00	1E-01
Natural Killer Cell Signaling	1.57E00	1.43E-01
Renal Cell Carcinoma Signaling	1.5E00	1.39E-01
IL-12 Signaling and Production in Macrophages	1.5E00	9.77E-02
Primary Immunodeficiency Signaling	1.5E00	1.11E-01
CD27 Signaling in Lymphocytes	1.47E00	1.4E-01
Insulin Receptor Signaling	1.47E00	1.14E-01
Allograft Rejection Signaling	1.42E00	1.02E-01
LPS-stimulated MAPK Signaling	1.42E00	1.28E-01
Melanoma Signaling	1.39E00	1.52E-01
T Cell Receptor Signaling	1.39E00	1.1E-01
IL-3 Signaling	1.38E00	1.39E-01
Nitric Oxide Signaling in the Cardiovascular System	1.38E00	1.03E-01
Iron homeostasis Signaling	1.38E00	1.39E-01
Role of Osteoblasts, Osteoclasts and Chondrocytes in Rheumatoid Arthritis	1.37E00	1.03E-01
Macrophagy Signaling	1.34E00	1.22E-01
Semaphorin Signaling in Neurons	1.33E00	1.54E-01
Leptin Signaling in Obesity	1.31E00	1.22E-01
Autocrine Thyroid Disease Signaling	1.31E00	9.84E-02
IL-22 Signaling	1.29E00	1.79E-01
Role of Hypercytokinemia/hyperchemokinaemia in the Pathogenesis of Influenza	1.29E00	1.11E-01
Lysine Biosynthesis	1.29E00	4.55E-02
NF-κB Signaling in Neutrophils	1.29E00	1.04E-01
Renin-Angiotensin Signaling	1.28E00	1.08E-01
Cellular Effects of Sildenafil (Viagra)	1.28E00	9.93E-02
NHERF-2 Signaling in Breast Cancer	1.24E00	1.27E-02
PPAR/RXR Activation	1.2E00	1E-01
Axonal Guidance Signaling	1.19E00	8.89E-02
Natural Killer Cell Signaling	1.17E00	9.62E-02
Gloma Signaling	1.17E00	1.07E-01
MIF Regulation of Innate Immunity	1.16E00	1.3E-01
Lysine Biosynthesis	1.12E00	8.67E-02
Aggrin Interactions at Neuromuscular Junction	1.12E00	1.3E-01
Prostate Cancer Signaling	1.1E00	1.04E-01
Alexis T Cell and B Cell Signaling in Rheumatoid Arthritis	1.1E00	1.1E-01
G-Protein Coupled Receptor Signaling	1.1E00	9.55E-02
PDGF Signaling	1.09E00	1.18E-01
ILK/IKK Signaling	1.08E00	1.12E-01
CD40 Signaling	1.06E00	1.19E-01
Phospholipase C Signaling	1.06E00	8.98E-02
B-Box Gamma Signaling	1.05E00	1.04E-01
ICOS/ICOSL Signaling in T Helper Cells	1.03E00	9.84E-02
IL-1 Signaling	1.03E00	1.04E-01
Thyroid Cancer Signaling	1.03E00	1.29E-01

Airway Pathology in Chronic Obstructive Pulmonary Disease	9.94E-01	2.22E-01	CXCL3, MMP8
Chemokine Signaling	9.94E-01	1.2E-01	CCL13, RRA52, CAMK1D, CCL7, CXCR4, CXCL12, PLCB1, CCL5, CALM1
ERK5 Signaling	9.65E-01	1.13E-01	MYC, RRA52, MAP3K8, MEF2C, RPS3KAS, RPS3KAS, GNA13, EGFR
Hypoxia Signaling in the Cardiovascular System	9.65E-01	1.14E-01	UBD, VEGFA, NFKBIA, NFKBIE, HIF1A, NFKBIB, SLC24A4, UBE2L6
PKCδ Signaling in T Lymphocytes	9.36E-01	8.63E-02	RAC2, RRA52, NFKBIA, MAP3K8, NFKBIE, RAC1, PIK3R5, FCER1G, MAP3K8, NFKB2, NFKBIB, LCP2
IL-2 Signaling	9.37E-01	1.21E-01	SHC1, RAC2, IL2RG, RRA52, SYK, RAC1, PIK3R5
IL-15 Production	9.28E-01	1.33E-01	JAK2, NFKB2, STAT1, IRF1
Ephrin Receptor Signaling	9.26E-01	9.09E-02	RAC2, PAK6, CXCR4, RAC1, VEGFC, EPHA4, JAK2, STAT3, PCF, VEGFA, EFNB2, SHC1, EPHB1, GNG11, RRA52, CXCL12, EFNB3, GNA13
Integrin Signaling	9.25E-01	9.41E-02	RAC2, PAK6, RHOC, ITGA8 (includes EG-9516), RAC1, PIK3R5, TSPAN2, JMS1, CAPN10, IGF1R, SHC1, MYL7, MYL9 (includes EG-98932), SHC1, ITGB2, ITGAM, RRA52, ACTG2 (includes EG-72), ITGB6, TSPAN4
FXR/RXR Activation	8.92E-01	9.71E-02	PPARA, RAC2, APOE, PON1, SDC1, IL1RN, RAC1, FBP1, PLTP, PPARGC1A
Sphingolipid Metabolism	8.57E-01	7.78E-02	LPN1, ACER2, SPTLC2, SPHK1, DUSP18, LPN3, ARS8, SGM51, FADS3
MAPK Activation	8.57E-01	1.12E-01	CXCL10, SERPINE1, GSK3IA, CD14, GEFBP3, SEMA5B, GEFBP3, CCL4, PRK01
Calcium Signaling	8.29E-01	8.29E-02	CAMK1D, TRDN, HDAC9 (includes EG-9734), MYH7B (includes EG-668940), TPM2, MYH11, RCAN1, MYL7, ATP2B2, PRKAR2B, TPM3, RYR3, CASQ1, MEFC2, ASPH, CASQ2, CALM1
PTEN Signaling	8.44E-01	9.52E-02	SHC1, BCL2L1, RAC2, RRA52, CDKN1A, RAC1, PIK3R5, NFKB2, EGFR, MAGI3
Ca2+/12 Signaling	8.25E-01	9.6E-02	MYL9 (includes EG-98932), RAC2, RRA52, NFKBIA, NFKBIE, RAC1, PIK3R5, MEFC2, GNA13, NFKB2, NFKBIB, MYL7
Aminoglycans Metabolism	8.22E-01	6.81E-02	PDE7A, DUSP18, UAP1, PDE4B, PDE4D, CY5B61, CH13L3, GPTP2
Fcγ Receptor-mediated Phagocytosis in Macrophages and Monocytes	7.98E-01	9.9E-02	HMOX1, RAC2, SYK, HCK, RAC1, ACTG2 (includes EG-72), FCGRI1A, FCGRA3, LCP2, PRKD1
Actin Cytoskeleton Signaling	7.98E-01	8.51E-02	FGF16, RAC2, PAK6, RFP3, PIK3R5, RAC1, MYT1B (includes EG-868940), MYH11, MYL7, MYL9 (includes EG-98932), SHC1, IQGAP2, RRA52, FGF12, CD14, LBP, ACTG2 (includes EG-72), GNA13, FGF7, MSN
FCγRIIb Signaling in B Lymphocytes	7.78E-01	8.93E-02	SHC1, RRA52, SYK, PIK3R5, FCGR2B
Breast Cancer Regulation by Slathmin1	7.64E-01	9.05E-02	PPP1R14C, CAMK1D, PPP1R3C, RAC1, TUBA8A, PIK3R5, PPP1R14A, CASQ1, RRA52, PRKAR2B, GNG11, TUBA8, CDKN1A, PLCB1, GNA13, ADCY7, PRKD1, CALM1
Mitogenic Development and Pigmentation Signaling	7.61E-01	1.02E-01	KITLG, SHC1, PRKAR2B, RRA52, MITF, PIK3R5, RPS3KAS, RPS3KAS, ADCY7
N-Glycan Degradation	7.48E-01	1.29E-01	EDEM1, MAN2A1, MANBA, CH13L3
FGF Signaling	7.38E-01	1.02E-01	FGF16, RAC2, FGF9, FGF12, RAC1, PIK3R5, RPS3KAS, STAT3, FGF7
CXCR4 Signaling	7.38E-01	8.98E-02	RAC2, PAK6, RHOC, CXCR4, RAC1, PIK3R5, MYL7, MYL9 (includes EG-98932), GNG11, RRA52, CXCL12, PLCB1, GNA13, ADCY7, PRKD1
AMPK Signaling	7.35E-01	7.88E-02	PFKFB3, RAC2, ADIPOQ, RAC1, PIK3R5, PFKFB2, EIF4EBP1, PRKAR2B, ADRB1, AK1, PRKAA2, HLA-B, AK3L1
Communication between Innate and Adaptive Immune Cells	7.32E-01	6.93E-02	CXCL10, TLR2, IL1RN, FCER1G, CD83, CCL5, TLR3
Estrogen-Dependent Breast Cancer Signaling	7.32E-01	15-01	RAC2, RRA52, IGF1, RAC1, PIK3R5, NFKB2, EGFR
4-1BB Signaling in T Lymphocytes	7.1E-01	1.18E-01	NFKBIA, NFKBIE, NFKB2, NFKBIB
p70S6K Signaling	6.96E-01	9.16E-02	SHC1, RAC2, IL2RG, IL4R, RRA52, SYK, MAPT, RAC1, PIK3R5, PLCB1, PRKD1, EGFR
HGF Signaling	6.94E-01	9.71E-02	RAC2, RRA52, MAP3K8, CDKN1A, RAC1, PIK3R5, MAP3K8, STAT3, IL6, PRKD1
T Helper Cell Differentiation	6.82E-01	9.72E-02	IL2RG, IL4R, TNFRSF1A, FCER1G, STAT3, IL6, STAT1
SAMPK/JNK Signaling	6.74E-01	9.09E-02	SHC1, RAC2, DAXX, GNG11, RRA52, RAC1, PIK3R5, FCER1G, GNA13
AT1R	6.65E-01	1.13E-01	GADD45B, NFKBIA, GADD45G, CDKN1A, BID, CHEK2
Role of NFAT in Cardiac Hypertrophy	6.58E-01	8.21E-02	RAC2, CAMK1D, RAC1, PIK3R5, HDAC9 (includes EG-9734), IL6, RCAN1, SHC1, GNG11, PRKAR2B, RRA52, IGF1, PLCB1, MEFC2, ADCY7, PRKD1, CALM1
Cholelyoloximin/Gastrin-mediated Signaling	6.56E-01	9.62E-02	SHC1, RRA52, IL1RN, RHOC, PLCB1, MEFC2, EPHA4, GNA13, PRKD1, EGFR
LRP3-Mediated Inhibition of FXR Function	6.48E-01	7.98E-02	PPP1R14C, RAC2, RRA52, TNFRSF1A, MYD88, IL1R2, SULT1A1, ACSL5, ALA51, CD114, ACSL4, FABP7, CYP2B6, PLTP, LBP, ABCG3, ALDH3A1
Cytotoxic T Lymphocyte-mediated Apoptosis of Target Cells	6.38E-01	9.09E-02	FCER1G, BID, FAS
Ceramide Signaling	6.34E-01	9.2E-02	RAC2, RRA52, CNKSR1, TNFRSF1A, RAC1, SPHK1, PIK3R5, NFKB2
CD28 Signaling in T Helper Cells	6.24E-01	8.33E-02	RAC2, NFKBIA, SYK, NFKBIE, RAC1, PIK3R5, FCER1G, NFKB2, NFKBIB, LCP2, CALM1
EGF Signaling	6.23E-01	1.02E-01	SHC1, RAC1, PRKAR2B, RRA52, NOV, IGF1, RAC1, PIK3R5, IGFBP5
IGF-1 Signaling	6.16E-01	9E-02	B2M, FCER1G
Lipid Antigen Presentation by CD1	6.09E-01	8.7E-02	RAC2, RHOC, ACER2, RAC1, SPHK1, PIK3R5, PLCB1, CASP4, GNA13, ADCY7
Sphingosine-1-phosphate Signaling	6.02E-01	8.62E-02	PANK1, ENPP3, CILP
Pantothenate and CoA Biosynthesis	5.96E-01	4.69E-02	GNG11, RRA52, GUCY1A3, CDKN1A, PIK3R5, ADCY7, GUCY1B3
Antiproliferative Role of Somatostatin Receptor 2	5.91E-01	8.97E-02	RAC2, PIK3R5, RAC1, HDAC9 (includes EG-9734), CASP4, CAPN10, UBD, TGM2, SHC1, BCL2L1, HSP9A, GNG11, IGF1, PENK, PLCB1, GOSR1, CASP12 (includes EG-12364), PRKD1, EGFR
Huntington's Disease Signaling	5.88E-01	7.92E-02	RAC2, SRG1, CDNH, RAC1, JAK2, NFKB2, RBP1, VEGFA, C3P2B, PRKAR2B, PAH, ADCY7, SMAD1, PRKD1, PPARGC1A
RAR Activation	5.52E-01	8.29E-02	TMEM87B, GUCY1A3, PIK3R5, CASP4, MYC, EGF2, HMOX1, RRA52, EGF2, PLA2G5, PLCB1, GNA13, ADCY7, PRKD1, GUCY1B3
Endothelin-1 Signaling	5.52E-01	8.57E-02	VEGFA, RAC2, PRKAR2B, RRA52, FGF9, CD4, RAC1, PIK3R5, VEGFC, PCF, WNT5A, EGFR
Ovarian Cancer Signaling	5.39E-01	8.57E-02	MYC, BCL2L1, RAC2, RRA52, CDKN1A, RAC1, PIK3R5, HDAC9 (includes EG-9734), NFKB2
Chronic Myeloid Leukemia Signaling	5.26E-01	8.57E-02	MYL9 (includes EG-98932), RHP23, IGF1, SEPT14, ACTG2 (includes EG-72), GNA13, CDCK4, ARHGAP8, MSN, MYL7
ATM Signaling	5.21E-01	9.09E-02	GMP5, GULL, GCLM, GPTP2
Glutamate Metabolism	5.21E-01	5.13E-02	MAP3K8, RHOC, PIK3R5, IL6, EIF4E, MYL7, MYL9 (includes EG-98932), ADRB1, GNG11, PRKAR2B, RRA52, IGF1, PLCB1, MEFC2, MAP3K8, GNA13, ADCY7, CALM1, HSPB1
Cardiac Hypertrophy Signaling	5.19E-01	7.82E-02	MGST1, DNAH4, NQO2, DNAJA4, PIK3R5, JUNB, DNAJB14, MAFF, HMOX1, RRA52, GGLM, ACTG2 (includes EG-72), FKBP5, NFE2L2, PRK01
RHO2-mediated Oxidative Stress Response	5.15E-01	8.2E-02	RAC2, RRA52, SYK, PLA2G5, RAC1, PIK3R5, FCER1G, LCP2, PRKD1
Protein Ubiquitination Pathway	5.13E-01	7.9E-02	RAC2, RRA52, TUBA8, TNFRSF1A, MAPT, RAC1, TUBA8A, PIK3R5, PLCB1, PRK01
Fcε Receptor Signaling	5.12E-01	8.74E-02	SHC1, RAC2, RRA52, EIF4A1, RAC1, PIK3R5, EIF2AK2, EIF4E
14-3-3-mediated Signaling	5.06E-01	8.77E-02	PRKAR2B, RRA52, PAK6, MAP3K8, RAC1, PLCB1, MAP3K8, NFKB2, ADCY7, PRKD1, EGFR
EIF2 Signaling	5.04E-01	8E-02	ENPP3, CILP, DUSP18
GHRH Signaling	5.02E-01	7.64E-02	PPP1R14C, GNG11, PRKAR2B, ADRB1, PDE7A, PPP1R3C, PPP1R14A, PKIA, PDE4B, ADCY7, PDE4D
Riboflavin Metabolism	4.96E-01	5.45E-02	RAC2, RHOC, RAC1, PIK3R5, MYC, SHC1, IGF2, RRA52, IGF1, CDKN1A, PLCB1, WNT5A, EGFR
Cardiac β-adrenergic Signaling	4.88E-01	7.75E-02	TMEM87B, CXCL10, RAC2, RRA52, PLA2G5, RAC1, CCL5
Glucocorticoid Metabolism	4.83E-01	7.98E-02	PPP1R14C, GCH1, PRKAR2B, COMT, PPP1R3C, PPP1R14A, ADCY7
Role of MAPK Signaling in the Pathogenesis of Influenza	4.77E-01	9.33E-02	NFKBIA, NFKBIE, NFKB2, NFKBIB
Dopamine Receptor Signaling	4.77E-01	7.53E-02	LIFR, SHC1, RAC2, RRA52, RAC1, PIK3R5, STAT3, JAK2, SMAD1, WNT5A
Aβ1 Mediated Signaling	4.71E-01	9.52E-02	RAC2, RRA52, PAK6, RAC1, PIK3R5, ACTG2 (includes EG-72), CAPN10, EGFR
Role of NANOG in Mammalian Embryonic Stem Cell Pluripotency	4.64E-01	8.77E-02	RAC2, CAMK1D, RHOC, RAC1, PIK3R5, NFKB2, MYL7, MYL9 (includes EG-98932), SHC1, GNG11, RRA52, PLCB1, GNA13, ADCY7, PRKD1, EGFR
FAK Signaling	4.56E-01	8E-02	UBD, RAC2, GADD45B, RRA52, GADD45G, CDKN1A, RAC1, PIK3R5, HDAC9 (includes EG-9734), CHEK2
Androgen Signaling	4.5E-01	6.94E-02	GCH1, CILP
Thrombin Signaling	4.38E-01	7.94E-02	GNG11, FCER1G, CCL5, FAS, PRKD1, CALM1
Hereditary Breast Cancer Signaling	4.37E-01	7.75E-02	ITGB2, APOE, MAPT, HCK, PIK3R5, LRP8, ITGB3
Folate Biosynthesis	4.36E-01	2.5E-02	MYC, SHC1, RAC2, RRA52, RAC1, ERHRF1, PRKD1, EGFR
CD38 Signaling in Macrophages	4.32E-01	6.45E-02	NFKBIA, NFKBIE, NFKB2, NFKBIB
Reelin Signaling in Neurons	4.28E-01	8.97E-02	IQGAP2, RRA52, PAK6, CD44, RAC1, PIK3R5, SH3RF1, NFKB2, ANK1
Neuregulin Signaling	4.28E-01	7.77E-02	IQGAP2, RRA52, PAK6, CD44, RAC1, PIK3R5, SH3RF1, NFKB2, ANK1
B Cell Activating Factor Signaling	4.25E-01	9.09E-02	MYC, RAC2, RRA52, RAC1, PIK3R5
Rac Signaling	4.25E-01	7.38E-02	RAC2, PRKAR2B, MAPT, RAC1, CAPN10
Endometrial Cancer Signaling	4.19E-01	8.77E-02	STES1A, ST3GAL1, CH13L3
Artycol Processing	4.19E-01	8.47E-02	MGST1, CYP2E1, CYP4B1, ADH1C (includes EG-126), CYP2B6, MEST, ALDH3A1, CYP1B1
Glycosphingolipid Biosynthesis - Globoseries	4.13E-01	6.67E-02	TMEM87B, CYP2E1, CYP4B1, PLA2G5, CYP2B6, CYP1B1, FADS3
Metabolism of Xenobiotics by Cytochrome P450	3.98E-01	3.89E-02	PPP1R14C, GNG11, PRKAR2B, ADRB1, PDE7A, PPP1R3C, PPP1R14A, PKIA, PDE4B, ADCY7, PDE4D
Lipoic Acid Metabolism	3.94E-01	5.76E-02	RAC2, RHOC, RAC1, PIK3R5, MYC, SHC1, IGF2, RRA52, IGF1, CDKN1A, PLCB1, WNT5A, EGFR
Fructose and Mannose Metabolism	3.83E-01	3.45E-02	PKRFB3, KHK, FBP1, DUSP18, PFKFB2
Xenobiotic Metabolism Signaling	3.82E-01	6.87E-02	SRG1, MGST1, MAP3K8, CAMK1D, NQO2, PIK3R5, IL6, NFKB2, CEB1 (includes EG-1066), CYP1B1, HMOX1, RRA52, SULT1A1, MAP3K8, CYP2B6, ABCG3, ALDH3A1, NFE2L2, PRKD1, PPARGC1A
Regulation of αIF4 and p70S6K Signaling	3.75E-01	6.82E-02	EIF1AY, SHC1, RAC2, RRA52, EIF4A1, RAC1, PIK3R5, EIF4E, EIF4EBP1
Glyoxylate and Dicarboxylate Metabolism	3.72E-01	1.71E-02	MTFHD2, MDH1
Phenylalanine, Tyrosine and Tryptophan Biosynthesis	3.72E-01	2.99E-02	PKM, TOR3A
Biosynthesis of Steroids	3.67E-01	2.94E-02	CYP7B1, NQO2, FADS3
Regulation of Actin-based Motility by Rho	3.57E-01	7.61E-02	MYL9 (includes EG-98932), RAC2, PAK6, RHOC, RAC1, ACTG2 (includes EG-72), MYL7
Regulation of IL-2 Expression in Activated and Anergic T Lymphocytes	3.57E-01	7.78E-02	RRA52, NFKBIA, NFKBIE, RAC1, NFKB2, NFKBIB, CALM1
Germ Cell-Sertoli Cell Junction Signaling	3.51E-01	7.59E-02	RAC2, RRA52, TUBA8, PAK6, MAP3K8, TNFRSF1A, RHOC, RAC1, TUBA8A, PIK3R5, MAP3K8, ACTG2 (includes EG-72)
G Protein Signaling	3.46E-01	7.21E-02	PPP1R14C, HES1T1HC, PDE7A, NFKBIE, PPP1R3C, PPP1R14A, NFKB2, PDE4B, PDE4D, HSF3C, MYL7, MYL9 (includes EG-98932), GNG11, PRKAR2B, NFKBIA, RYR3, HLA-B, PLCB1, GNA13, NFKBIB, ADCY7, PRKD1, CALM1
Glutamate Receptor Signaling	3.38E-01	7.14E-02	GNG11, HOMER2, GULL, HOMER1, CALM1
Pyrimidine Metabolism	3.32E-01	5.19E-02	ENPP3, APOBEC1, CMPK2, MAD2L2, ENTPD5, UPP1, CTPS2, PNP, AK3L1, UCK2, UNG, CTPS
CCR3 Signaling in Eosinophils	3.29E-01	7.5E-02	GNG11, RRA52, PAK6, PLA2G5, RAC1, PIK3R5, PLCB1, PRKD1, CALM1
Synaptic Long-Term Depression	3.28E-01	6.89E-02	MYC, RAC2, RRA52, IGF1, GUCY1A3, RYR3, PLA2G5, PLCB1, GNA13, ADCY7, GUCY1B3, PRKD1
Glycosphingolipid Biosynthesis - Ganglioseries	3.25E-01	4.69E-02	STES1A, ST3GAL1, CH13L3
G Protein Signaling Mediated by Ltbby	3.25E-01	7.32E-02	GNG11, PLCB1, JAK2
Nucleotide Excision Repair Pathway	3.25E-01	8.57E-02	CCNH, RPA3, ERCC1
PKX Signaling	3.2E-01	6.73E-02	RSA2D
Role of Lipids/Lipid Rafts in the Pathogenesis of Influenza	3.15E-01	3.33E-02	RAC2, SYK, RAC1, PIK3R5, FCER1G, JAK2, LCP2
CTLA4 Signaling in Cytotoxic T Lymphocytes	3.08E-01	7.14E-02	TMEM87B, HMOX1, LPN1, PLA2G5, SPHK1, PLCB1, LPN3
Phospholipid Degradation	3.08E-01	6.67E-02	PPP1R14C, PRKAR2B, RRA52, PPP1R3C, MAPT, PPP1R14A, ADCY7
CDK5 Signaling	2.97E-01	7.45E-02	IL1RN, IL6, CSF3
Role of Cytokines in Mediating Communication between Immune Cells	2.96E-01	5.39E-02	GNG11, PRKAR2B, RRA52, HLA-B, ADCY7, PRKD1, CALM1
α-Adrenergic Signaling	2.75E-01	6.6E-02	CYP7B1, FADS3
Stilbene, Coumarin and Lignin Biosynthesis	2.75E-01	2.56E-02	WARS, CYP7B1, CYP2E1, CYP4B1, IDO1, SIAH2, CYP2B6, INMT, ALDH3A1, CYP1B1
Tryptophan Metabolism	2.69E-01	3.9E-02	ST3GAL1
Glycosphingolipid Biosynthesis - Lactoseries	2.49E-01	3.7E-02	ACTG2 (includes EG-72), CHMP4B, PRK01
Mechanisms of Viral Exit from Host Cells	2.42E-01	6.82E-02	GNG11, GNG12
Glycosphingolipid Biosynthesis - Neotactoseries	2.37E-01	2.9E-02	STES1A, GNG12
Ascorbate and Aldarate Metabolism	2.37E-01	2.33E-02	ALDH3A1, FADS3
Synthesis and Degradation of Ketone Bodies	2.01E-01	5.28E-02	BDH1

TABLE S6 Functional gene groupings sensitive to LPS treatment in WT hearts

Functional Gene Groupings	P-value range	Number of Genes
Molecular and Cellular Functions		
Cellular Movement	4.29E-24 - 4.19E-06	246
Cell Death	5.11E-20 - 4.24E-06	356
Cell-To-Cell Signalling and Interaction	3.06E-17 - 3.19E-06	245
Cellular development	3.97E-16 - 4.19E-06	321
Cellular growth and proliferation	1.21E-14 - 3.74E-06	360
Physiological System Development and Function		
Haematological system development/function	8.17E-24 - 4.19E-06	258
Immune cell trafficking	8.17E-24 - 4.18E-06	175
Haematopoiesis	3.25E-21 - 4.19E-06	161
Tissue Development	2.00E-19 - 2.16E-06	158
Tissue Morphology	2.73E-19 - 2.43E-06	177
Tissue Morphology	2.73E-19 - 2.43E-06	177
Disease and Disorders		
Cancer	9.92E-27 - 2.44E-06	407
Inflammatory response	4.44E-21 - 4.18E-06	246
Skeletal and muscular disorders	1.60E-17 - 1.68E-06	355
Immunological Disease	3.04E-17 - 7.13E-09	320
Organismal Injury and Abnormalities	4.58E-15 - 3.06E-06	130
Tissue Morphology	2.73E-19 - 2.43E-06	177
Cardiac Toxicological Functions		
Cardiac Infarction	1.62E-09	28
Cardiac Dysfunction	1.95E-05 - 1.05E-01	12
Cardiac Hypertrophy	2.26E-05 - 3.37E-01	46
Cardiac Arteriopathy	5.36E-04	122
Cardiac Necrosis/Cell Death	8.93E-04 - 5.25E-01	22
Tachycardia	1.88E-03 - 1.53E-01	7
Cardiac Damage	3.60E-03 - 2.82E-01	11
Cardiac Fibrosis	8.63E-03 - 1.77E-02	14
Cardiac Congestive Cardiac Failure	1.01E-02	11
Heart Failure	1.01E-02 - 4.40E-01	21
Cardiac Arrhythmia	2.07E-02 - 1.00E00	5
Cardiac Output	2.07E-02 - 3.39E-02	4
Cardiac Degeneration	7.94E-02	1
Cardiac Stenosis	9.39E-02	6
Cardiac Inflammation	9.41E-02	3
Cardiac Dilatation	1.13E-01	6
Congenital Heart Anomaly	1.11E-01	3
Bradycardia	5.31E-01	2
Cardiac Enlargement	2.20E-01	1
Cardiac Transformation	2.82E-01	1
Cardiac Hypoplasia	4.84E-01	1
Cardiac Proliferation	5.79E-01	2

Functional groupings of cardiac transcripts differentially modified at 24 hrs of LPS treatment. Also shown are P-values, and total numbers of involved genes. Functional groups are categorized into molecular and cellular functions, physiological system development and function, disease and disorders, and cardiac toxicological functions, and ranked according to P-value ranges determined by a Fisher's Exact Test. Also shown are the total numbers of genes involved.

TABLE S8: Toxicological functions altered by LPS

Category	Function	Function Annotation	P-value	Molecules	# of Molecules
Cardiac Infarction	myocardial infarction	myocardial infarction	1.62E-09	ACTG2 (includes EG-72), ADIPOQ, ADRB1, APOE, CCL13, CD14, CD47, CSF1, CSF3, CXCL12, CXCR4, GUCY1A3, GUCY1B3, IL6, IL1RN, ITGAM, ITGB2, ITGB3, LRP8, P2RY1, PDE4B, PDE4D, PON1, POSTN, RAC1, SELP, TLR2, TSPO	28
Cardiac Infarction	myocardial infarction	myocardial infarction of mammalia	6.40E-02	ADIPOQ, APOE, IL1RN	3
Cardiac Infarction	myocardial infarction	myocardial infarction of humans	3.39E-01	ADIPOQ	1
Cardiac Infarction	myocardial infarction	myocardial infarction of mice	3.91E-01	APOE	1
Cardiac Infarction	acute myocardial infarction	acute myocardial infarction	1.97E-03	CSF3, CXCL12, IL6, P2RY1, PON1, POSTN, SELP, TLR2, TSPO	9
Cardiac Infarction	infarction	infarction of myocardium	7.94E-02	CSF1	1
Cardiac Infarction	infarction	infarction of heart	4.40E-01	BCL2L1	1
Liver Necrosis/Cell Death	cell death	cell death of liver cells	1.07E-07	ADIPOQ, APOE, BAK1, BCL2L1, BID, CD274, CDKN1A, CEBPB, DAXX, DDIT3, EGFR, FAS, FGL2, GADD45B, HMOX1, IGF1, IL6, ITGB2, ITGB3, MYC, MYD88, NCF1, SOCS3, TBK1, TIMP1, TNFRSF1A, TNFSF10, TNIP1	28
Liver Necrosis/Cell Death	cell death	cell death of hepatocytes	4.71E-04	BAK1, BID, CDKN1A, DAXX, DDIT3, EGFR, FAS, FGL2, GADD45B, HMOX1, IL6, MYC, MYD88, NCF1, TNFRSF1A, TNFSF10	16
Liver Necrosis/Cell Death	cell death	cell death of liver	8.01E-02	CD14, FAS, MT1E, MT1F	4
Liver Necrosis/Cell Death	cell death	delay in cell death of hepatocytes	1.53E-01	FAS	1
Liver Necrosis/Cell Death	apoptosis	apoptosis of liver cells	9.49E-07	ADIPOQ, BAK1, BCL2L1, BID, CD274, CDKN1A, CEBPB, DAXX, EGFR, FAS, GADD45B, IL6, ITGB3, MYC, MYD88, NCF1, SOCS3, TBK1, TIMP1, TNFRSF1A, TNFSF10, TNIP1	22
Liver Necrosis/Cell Death	apoptosis	apoptosis of hepatocytes	5.99E-04	ADIPOQ, CEBPB, ITGB3, TIMP1	13
Liver Necrosis/Cell Death	apoptosis	apoptosis of hepatic stellate cells	1.14E-03	ADIPOQ, CEBPB, ITGB3, TIMP1	4
Liver Necrosis/Cell Death	apoptosis	apoptosis of sinusoidal endothelial cells	7.94E-02	FAS	1
Liver Necrosis/Cell Death	apoptosis	apoptosis of liver	2.82E-01	FAS	1
Liver Necrosis/Cell Death	necrosis	necrosis of liver cells	2.63E-03	APOE, FAS, FGL2, IGF1, ITGB2, SOCS3, TNFRSF1A	7
Liver Necrosis/Cell Death	necrosis	necrosis of hepatocytes	1.56E-01	FAS, FGL2	2
Liver Necrosis/Cell Death	necrosis	necrosis of liver	1.68E-01	CD14, MT1E, MT1F	3
Liver Damage	damage	damage of liver	1.14E-07	C3, CBLB, CCL13, CD44, CDKN1A, CXCL1, CXCL10, FAS, HCK, IL6, ITGB2, MT1E, MT1F, MYD88, NCF1, NFE2L2, SAA2, SDC4, STAT1, TLR2, TLR3, TNFRSF1A, TNFSF10	23
Liver Damage	damage	damage of liver cells	3.93E-02	IL1RN, IRF1, TNFRSF1A	3
Liver Damage	damage	damage of hepatocytes	7.63E-02	IL1RN, IRF1	2
Liver Damage	injury	injury of liver	1.39E-06	CCL13, CDKN1A, CXCL1, CXCL10, FAS, IL6, ITGB2, MYD88, NCF1, SAA2, SDC4, STAT1, TLR2, TLR3, TNFRSF1A	15
Liver Damage	injury	injury of hepatocytes	1.53E-01	IRF1	1
Renal Nephritis	nephritis	nephritis	8.29E-07	C4A, CCL5, CCL13, CCR1, CDKN1A, CXCL16, FAS, FCGR2B, ICAM1, IL1RN, NFE2L2, NFKB2, NFKBIA, NR3C1, PDE4B, PDE4D, PDE5A, PDE7A, SELP, TGM2, TLR2, TLR3, TNFRSF1A, TRAF3IP2, VCAM1, VEGFA	26
Renal Nephritis	nephritis	nephritis of animal	3.49E-04	C4A, CCR1, CDKN1A, FAS, FCGR2B, IL1RN, NFE2L2, NFKB2, NFKBIA, TGM2, TLR2, TLR3, TRAF3IP2	13
Renal Nephritis	nephritis	nephritis of rodents	2.20E-03	C4A, CCR1, CDKN1A, FAS, FCGR2B, IL1RN, NFE2L2, NFKB2, NFKBIA, TGM2, TRAF3IP2	11
Renal Nephritis	nephritis	nephritis of mice	4.52E-03	C4A, CCR1, CDKN1A, FAS, FCGR2B, NFE2L2, NFKB2, NFKBIA, TGM2, TRAF3IP2	10
Renal Nephritis	glomerulonephritis	glomerulonephritis	4.42E-06	C4A, CCL5, CCL13, CCR1, CDKN1A, CXCL16, FAS, FCGR2B, ICAM1, IL1RN, NFE2L2, NFKBIA, NR3C1, PDE4B, PDE4D, PDE5A, PDE7A, SELP, TLR3, TNFRSF1A, TRAF3IP2, VCAM1, VEGFA	23
Renal Nephritis	glomerulonephritis	glomerulonephritis of animal	6.09E-03	C4A, CCR1, CDKN1A, FAS, FCGR2B, IL1RN, NFE2L2, NFKBIA, TRAF3IP2	10
Renal Nephritis	glomerulonephritis	glomerulonephritis of rodents	1.39E-02	C4A, CCR1, CDKN1A, FAS, FCGR2B, IL1RN, NFE2L2, NFKBIA, TRAF3IP2	9
Renal Nephritis	glomerulonephritis	glomerulonephritis of mice	2.69E-02	C4A, CCR1, CDKN1A, FAS, FCGR2B, IL1RN, NFE2L2, NFKBIA, TRAF3IP2	8
Renal Nephritis	glomerulonephritis	glomerulonephritis of rats	3.39E-01	IL1RN	1
Renal Nephritis	glomerulonephritis	glomerulonephritis of kidney	3.91E-01	VEGFA	1
Renal Nephritis	immune complex nephritis	immune complex nephritis of organism	5.21E-04	IL1RN, NFKB2, TGM2, TLR2	4
Renal Nephritis	immune complex nephritis	immune complex nephritis of animal	4.42E-03	NFKB2, TGM2, TLR2	4
Renal Nephritis	immune complex nephritis	immune complex nephritis of mice	6.30E-03	NFKB2, TGM2	2
Renal Nephritis	lupus nephritis	lupus nephritis	4.22E-03	CXCL16, FAS, FCGR2B, NR3C1, SELP, TNFRSF1A, VCAM1	7
Renal Nephritis	lupus nephritis	lupus nephritis of mice	2.46E-01	FAS, FCGR2B	2
Renal Nephritis	experimental crescentic glomerulonephritis	experimental crescentic glomerulonephritis	3.39E-02	IL1RN, VEGFA	2
Renal Nephritis	focal glomerulonephritis	focal glomerulonephritis	5.98E-01	NR3C1	1
Liver Inflammation	inflammation	inflammation of liver	1.00E-05	ADIPOQ, CD14, CXCL2, CXCL3, DARC, FAS, HP, IL1RN, ITGB2, NFKB1B, TNFRSF1A	11
Renal Proliferation	proliferation	proliferation of mesangial cells	1.00E-05	APOE, CXCL9, CXCL10, EGFR, FCER1G, FPR2, IGF1, IGF2, IL6, PLAUR, STAT3	11
Renal Proliferation	proliferation	proliferation of kidney cells	3.07E-05	APOE, CXCL9, CXCL10, EGFR, FCER1G, FPR2, IGF1, IGF2, IL6, LCN2, PLAUR, STAT3	12
Renal Proliferation	proliferation	proliferation of renal tubular epithelial cells	2.82E-01	LCN2	1
Renal Damage	damage	damage of renal tubule	1.11E-05	BID, CCL13, CSF1, CSF3, ICAM1, LCN2, MYD88, TLR2	8
Renal Damage	damage	damage of kidney	2.26E-05	C3, C4A, CCL13, CFB, FAH, FAS, FCGR1A, HCK, IGF1, IL6, ITGB6, MYD88, SELP, TLR2	14
Renal Damage	damage	damage of tubulointerstitium	2.82E-01	APOE	1
Renal Damage	injury	injury of kidney	1.54E-03	CFB, FCGR1A, IGF1, IL6, ITGB6, MYD88, TLR2	7
Renal Damage	injury	injury of kidney cells	6.30E-03	C3, ICAM1	2
Renal Damage	injury	injury of renal tubule	7.63E-02	CCL13, TLR2	2
Renal Damage	injury	injury of podocytes	7.94E-02	C3	3
Renal Damage	injury	injury of tubular cells	7.94E-02	ICAM1	1
Renal Tubule Injury	damage	damage of renal tubule	1.11E-05	BID, CCL13, CSF1, CSF3, ICAM1, LCN2, MYD88, TLR2	8
Renal Tubule Injury	damage	damage of tubulointerstitium	2.82E-01	APOE	1
Renal Tubule Injury	proximal tubular toxicity	proximal tubular toxicity	1.01E-02	BTG2, CD24, CP, CTSS, CXCR4, CYP2E1, HSPB1, IGF1, IGFBP5, JUNB, LGALS3, SLC38A3, SULT1A1, TIMP1	14
Renal Tubule Injury	injury	injury of renal tubule	7.63E-02	CCL13, TLR2	2
Renal Tubule Injury	injury	injury of tubular cells	7.94E-02	ICAM1	1
Cardiac Dysfunction	dysfunction	dysfunction of left ventricle	1.95E-05	ADRB1, ANGPLT4, CCL13, CSF1, NCF1, PPARGC1A, SERPINE1, TIMP1	8
Cardiac Dysfunction	dysfunction	dysfunction of heart	1.05E-01	APOE, CACNB2, PPARA, SLC2A1	4
Cardiac Hypertrophy	hypertrophy	hypertrophy of heart ventricle	2.26E-05	APOE, ATF3, CASQ2, CCL13, CXCL12, EGFR, GUCY1A3, HDAC9 (includes EG-9734), HIF1A, IL6, PBX1, PPARA, PPARGC1A, RCAN1	14
Cardiac Hypertrophy	hypertrophy	hypertrophy of cardiomyocytes	6.36E-04	ADRB1, CSF3, FBXO32, FHL2, HDAC9 (includes EG-9734), IER3, IGF1, IL33, KCND2, NCF1, NFKBIA, PLCB1, RRAD, SERPINE1, SHC1, TIMP1, TNFAIP3	17
Cardiac Hypertrophy	hypertrophy	hypertrophy of right ventricle of heart	6.62E-04	APOE, CXCL12, GUCY1A3, HDAC9 (includes EG-9734), IL6, PBX1	6
Cardiac Hypertrophy	hypertrophy	hypertrophy of heart cells	4.86E-04	ADRB1, CSF3, FBXO32, FHL2, HCK, HDAC9 (includes EG-9734), IER3, IGF1, IL33, KCND2, NCF1, NFKBIA, PIM1, PLCB1, RRAD, SERPINE1, SHC1, TCF15, TIMP1, TNFAIP3	20
Cardiac Hypertrophy	hypertrophy	hypertrophy of cardiac muscle	3.41E-03	FBXO32, IGF1, IL6, RAC1, STAT3	5
Cardiac Hypertrophy	hypertrophy	hypertrophy of left ventricle	1.13E-02	CASQ2, CCL13, EGFR, HDAC9 (includes EG-9734), PBX1, PPARGC1A, RCAN1	7
Cardiac Hypertrophy	hypertrophy	hypertrophy of heart	2.52E-02	ACTG2 (includes EG-72), CASQ2, CDKN1A, EGFR, FBXO32, FHL2, HMOX1, LEPR, NR3C2, PNKD (includes EG-25953), POSTN, RAC1, RCAN1, SLC2A4, SMTN	15
Cardiac Hypertrophy	hypertrophy	hypertrophy of myocardium	5.09E-02	IL6, RAC1, STAT3	3
Cardiac Hypertrophy	hypertrophy	hypertrophy of ventricular septum	7.94E-02	HDAC9 (includes EG-9734)	1
Cardiac Hypertrophy	hypertrophy	hypertrophy of ventricular myocardium	1.53E-01	IL6	1
Cardiac Hypertrophy	hypertrophy	hypertrophy of atrium	2.20E-01	ATF3	1
Cardiac Hypertrophy	hypertrophy	hypertrophy of ventricular myocytes	3.37E-01	KCND2, PLCB1	2
Renal Necrosis/Cell Death	cell death	cell death of tubular cells	1.10E-04	BID, CASP12 (includes EG-12364), CDKN1A, ICAM1, IGF1, LCN2, MT1F, MYD88, TLR2	9
Renal Necrosis/Cell Death	cell death	cell death of renal tubular epithelial cells	2.35E-03	CASP12 (includes EG-12364), ICAM1, LCN2, MYD88, TLR2	5
Renal Necrosis/Cell Death	cell death	cell death of kidney cells	2.58E-03	APOE, BID, CASP12 (includes EG-12364), CDKN1A, DDIT3, ICAM1, IGF1, LCN2, MT1F, MYD88, TLR2	11
Renal Necrosis/Cell Death	apoptosis	apoptosis of tubular cells	8.42E-04	BID, CDKN1A, IGF1, LCN2, MT1F, MYD88, TLR2	7
Renal Necrosis/Cell Death	apoptosis	apoptosis of kidney cells	9.20E-03	APOE, BID, CDKN1A, DDIT3, IGF1, LCN2, MT1F, MYD88, TLR2	9
Renal Necrosis/Cell Death	apoptosis	apoptosis of renal tubular epithelial cells	5.09E-02	LCN2, MYD88, TLR2	3
Renal Necrosis/Cell Death	apoptosis	apoptosis of proximal tubule cells	5.36E-02	CDKN1A, IGF1	2
Renal Necrosis/Cell Death	apoptosis	apoptosis of mesangial cells	6.30E-01	APOE	1
Renal Necrosis/Cell Death	necrosis	necrosis of tubular cells	5.36E-02	CDKN1A, ICAM1	2
Renal Necrosis/Cell Death	necrosis	necrosis of proximal tubule cells	1.53E-01	CDKN1A	1
Renal Necrosis/Cell Death	necrosis	necrosis of renal tubular epithelial cells	1.53E-01	ICAM1	1
Kidney Failure	renal failure	renal failure	1.62E-04	AR, ATF3, CDKN1A, CFB, CSF3, HMOX1, LCN2, MYD88, NPR3, NR3C1, NR3C2, PDE4B, PDE4D, PDE5A, PDE7A	15
Kidney Failure	renal failure	delay in renal failure of mice	7.94E-02	CFB	1
Kidney Failure	renal failure	renal failure of mice	4.52E-01	CFB, MYD88	2
Kidney Failure	chronic renal failure	chronic renal failure	1.46E-03	AR, CDKN1A, CSF3, NR3C2, PDE4B, PDE4D, PDE5A, PDE7A	8
Kidney Failure	acute renal failure	acute renal failure	4.79E-03	ATF3, HMOX1, LCN2, MYD88, NPR3	5
Kidney Failure	nephrotic acute renal failure	nephrotic acute renal failure	6.30E-03	ATF3, HMOX1	2
Kidney Failure	failure	failure of kidney	3.93E-02	FCER1G, HMOX1, VEGFA	3
Liver Proliferation	proliferation	proliferation of liver cells	1.72E-04	ADIPOQ, C3, CDKN1A, CEBPB, CXCL3, CXCL12, IGF1, IL6, ITGB3, KITLG, LGALS3, MYC, PML, SOCS3, STAT1, TNFRSF1A, XDH	17
Liver Proliferation	proliferation	proliferation of hepatic stellate cells	6.62E-04	ADIPOQ, IGF1, ITGB3, LGALS3, STAT1, XDH	6
Liver Proliferation	proliferation	proliferation of hepatocytes	8.94E-03	C3, CDKN1A, CEBPB, CXCL3, IGF1, IL6, KITLG, MYC, PML, SOCS3, TNFRSF1A	11
Liver Proliferation	proliferation	proliferation of liver	2.20E-01	CEBPB	1
Liver Hepatitis	hepatitis	hepatitis	1.92E-04	ADIPOQ, BCL2L1, BID, CD14, CD44, CD274, CYP2E1, FAS, IL6, NFE2L2, PDE4B, PDE4D, PDE5A, PDE7A, PPARA, TIMP1, TLR3, TNFRSF1A, TNFSF10	19
Liver Hepatitis	hepatitis	hepatitis of mice	3.59E-04	BCL2L1, BID, CD44, FAS, IL6, NFE2L2, PPARA, TLR3, TNFRSF1A, TNFSF10	10
Liver Hepatitis	steatohepatitis	steatohepatitis	8.16E-04	ADIPOQ, CD14, CYP2E1, PDE4B, PDE4D, PDE5A, PDE7A, PPARA, TNFRSF1A	9
Liver Hepatitis	steatohepatitis	steatohepatitis of liver	2.82E-01	CD14	1
Liver Hepatitis	steatohepatitis	steatohepatitis of mice	4.40E-01	PPARA	1
Liver Hepatitis	nonalcoholic steatohepatitis	nonalcoholic steatohepatitis	1.15E-03	ADIPOQ, CYP2E1, PDE4B, PDE4D, PDE5A, PDE7A, TNFRSF1A	7
Liver Hepatitis	fulminant hepatitis	fulminant hepatitis of mice	2.92E-02	BCL2L1, BID, FAS	3
Liver Hepatitis	chronic hepatitis B	chronic hepatitis B	3.93E-02	CD274, IL6, TIMP1	3
Liver Hepatitis	necroinflammatory liver disease	necroinflammatory liver disease	7.94E-02	ADIPOQ	1

Liver Hepatitis	alcoholic hepatitis	alcoholic hepatitis	1.01E-01	IL6, TNFRSF1A	2
Liver Hepatitis	acute hepatitis	acute hepatitis of mice	1.53E-01	CD44	1
Liver Hepatitis	chronic autoimmune hepatitis	chronic autoimmune hepatitis	1.53E-01	TLR3	1
Liver Hepatitis	chronic hepatitis	chronic hepatitis of mice	1.53E-01	TLR3	1
Liver Hepatitis	chronic hepatitis	chronic hepatitis	4.31E-01	CD274, IL6, TIMP1, TLR3	4
Liver Hepatitis	experimental hepatitis	experimental hepatitis of mice	4.40E-01	FAS	1
Liver Hemorrhaging	bleeding	bleeding of liver	5.00E-04	FAS, MT1E, MT1F	3
Cardiac Arteriopathy	coronary artery disease	coronary artery disease	5.36E-04	ADAM9, AFF3, AMN1, ANK1, ANO4, ANXA4, APLNR, APOE, ARHGAP20, ARSB, ASB2, AUST2 (includes EG-26053), BACH2 (includes EG-60468), C10ORF107, CACNB2, CD14, CD47, CHEK2, CLIC5, COLEC12, COMT, CPEB3, DAAM1, DTNA, EEPD1, EFN2B, EGFR, ENTPD5, EPHB1, ESRRG, FAH, FAM40B, FGF12, FNDC1, GALM, GLIPR2, GOLSYN, GPC6, GPM6A, GRHL1, GRK5, GUCY1A3, GUCY1B3, HDAC9 (includes EG-9734), ICAM1, IL6, IL33, IL17RA, IQGAP2, ITGA8 (includes EG-8516), ITGAM, ITGB2, ITGB3, ITIH5, KIAA1217, LAMA2, LBP, LEPR, LIFR, LRRC17, MAG3, MAMDC2, MAN2A1, MATN2, MSR1, MTRM14, MYH11, NEBL, NFIA, NHERF1, NFR3, NR3C1, NR3C2, NTM, P2RY1, PAH, PBX1, PDE4B, PDE4D, PDE5A, PDE7A, PHACTR1, PLA2G5, PLA2G7, PLCB1, PLXDC2, PNKD (includes EG-25953), PON1, POSTN, PPARA, PPARGC1A, PRICKLE1, PSMF1, PTPRD, PTPRE, QSOX1, RAPH1, REG3G, RPS6KA2, RPS6KA5, RYR3, SCN7A, SELE, SELP, SEMA3C, SEMA3F, SEMA5A, SERPINE1, SHROOM3, SLC22A3, SPON1, ST3GAL1, SYK, SYNPO2, TACC2, TMEM163, TNFAIP6, TRDN, TRIM5, TUBA8, VEGFA, ZNF827	122
Liver Steatohepatitis	steatohepatitis	steatohepatitis	8.16E-04	ADIPOQ, CD14, CYP2E1, PDE4B, PDE4D, PDE5A, PDE7A, PPARA, TNFRSF1A	9
Liver Steatohepatitis	steatohepatitis	steatohepatitis of liver	2.82E-01	CD14	1
Liver Steatohepatitis	steatohepatitis	steatohepatitis of mice	4.40E-01	PPARA	1
Liver Steatohepatitis	nonalcoholic steatohepatitis	nonalcoholic steatohepatitis	1.15E-03	ADIPOQ, CYP2E1, PDE4B, PDE4D, PDE5A, PDE7A, TNFRSF1A	7
Liver Steatosis	steatohepatitis	steatohepatitis	8.16E-04	ADIPOQ, CD14, CYP2E1, PDE4B, PDE4D, PDE5A, PDE7A, PPARA, TNFRSF1A	9
Liver Steatosis	steatohepatitis	steatohepatitis of liver	2.82E-01	CD14	1
Liver Steatosis	steatohepatitis	steatohepatitis of mice	4.40E-01	PPARA	1
Liver Steatosis	nonalcoholic steatohepatitis	nonalcoholic steatohepatitis	1.15E-03	ADIPOQ, CYP2E1, PDE4B, PDE4D, PDE5A, PDE7A, TNFRSF1A	7
Liver Steatosis	hepatic steatosis	hepatic steatosis	2.95E-03	ADIPOQ, APOE, CD14, CYP2E1, EGLN3, LBP, PPARA, PPARGC1B, STEAP2	15
Liver Steatosis	hepatic steatosis	hepatic steatosis of mice	5.12E-02	ADIPOQ, APOE, CYP2E1, EGLN3, LBP, PPARA, PPARGC1B, STEAP2	8
Liver Steatosis	alcoholic fatty liver disease	alcoholic fatty liver disease of mice	7.94E-02	ADIPOQ	1
Liver Steatosis	nonalcoholic fatty liver disease	nonalcoholic fatty liver disease of mice	1.53E-01	ADIPOQ	1
Cardiac Necrosis/Cell Death	cell death	cell death of cardiomyocytes	8.93E-04	ADIPOQ, ADRB1, BCL2L1, BNIP3 (includes EG-12176), CACNB2, CDKN1A, CSF3, HSPB1, IGF1, IL6, LEPR, NAMPT, PIM1, PPARGC1A, PTN, SOCS3, SPRR1A, STAT1, TIMP2, TNFAIP3, TXNIP	21
Cardiac Necrosis/Cell Death	cell death	cell death of ventricular myocytes	4.52E-01	CDKN1A, TIMP2	2
Cardiac Necrosis/Cell Death	apoptosis	apoptosis of cardiomyocytes	5.28E-03	ADIPOQ, ADRB1, BCL2L1, BNIP3 (includes EG-12176), CSF3, IGF1, IL6, LEPR, NAMPT, PIM1, PPARGC1A, PTN, SOCS3, TIMP2, TNFAIP3, TXNIP	16
Cardiac Necrosis/Cell Death	apoptosis	apoptosis of heart	2.20E-01	STAT3	1
Cardiac Necrosis/Cell Death	necrosis	necrosis of cardiomyocytes	5.25E-01	CACNB2	1
Renal Hypertrophy	hypertrophy	hypertrophy of renal glomerulus	1.88E-03	ADIPOQ, ICAM1, LEPR	3
Renal Hypertrophy	hypertrophy	hypertrophy of distal tubule	1.53E-01	HSD11B1	1
Renal Thrombosis	thrombosis	thrombosis of renal glomerulus	1.88E-03	C2, CFB, TLR2	3
Tachycardia	tachycardia	tachycardia of heart ventricle	1.88E-03	CASQ2, CSF3, KITLG	3
Tachycardia	tachycardia	tachycardia	9.85E-02	ADRB1, CASQ2, CSF3, KCNK3, KITLG, LCP2, PTGFR	7
Tachycardia	tachycardia	tachycardia of mice	3.39E-01	PTGFR	1
Tachycardia	ventricular tachycardia	ventricular tachycardia of heart	4.42E-03	ADRB1, CASQ2, LCP2	3
Tachycardia	ventricular tachycardia	ventricular tachycardia	3.38E-01	ADRB1, CASQ2, KCNK3, LCP2	4
Tachycardia	polymorphic ventricular tachycardia	polymorphic ventricular tachycardia	1.53E-01	CASQ2	1
Cardiac Damage	damage	damage of myocardium	3.60E-03	IGF1, ITGB2, SERPINE1, SERPING1	4
Cardiac Damage	damage	damage of heart ventricle	1.79E-02	PIM1, POSTN	2
Cardiac Damage	damage	damage of heart	3.74E-02	ADIPOQ, HMOX1, PRKAA2, SERPINE1, STAT3	5
Cardiac Damage	injury	injury of myocardium	1.37E-02	IGF1, ITGB2, SERPING1	3
Cardiac Damage	injury	injury of heart	6.40E-02	ADIPOQ, PRKAA2, STAT3	3
Cardiac Damage	injury	injury of left ventricle	7.94E-02	PIM1	1
Cardiac Damage	injury	injury of cardiomyocytes	2.20E-01	PIM3	1
Cardiac Damage	rupture	rupture of myocardium	1.53E-01	SERPINE1	1
Cardiac Damage	rupture	rupture of heart	2.82E-01	SERPINE1	1
Liver Hyperplasia/Hyperproliferator	tumorigenesis	tumorigenesis of hepatocytes	6.30E-03	C3, TIMP1	2
Liver Hyperplasia/Hyperproliferator	tumorigenesis	delay in tumorigenesis of liver	1.53E-01	MYC	3
Liver Hyperplasia/Hyperproliferator	neoplasia	neoplasia of liver	3.93E-02	MYC, PPARA, TIMP1	1
Liver Hyperplasia/Hyperproliferator	neoplasia	neoplasia of hepatocytes	7.94E-02	TIMP1	1
Liver Hyperplasia/Hyperproliferator	hyperplasia	hyperplasia of hepatocytes	7.94E-02	C3	1
Liver Hyperplasia/Hyperproliferator	hyperplasia	hyperplasia of liver	2.82E-01	TIMP1	1
Liver Hyperplasia/Hyperproliferator	metastasis	metastasis of liver	1.01E-01	PPARA, TIMP1	2
Liver Hyperplasia/Hyperproliferator	cancer	cancer of liver	2.20E-01	MYC	1
Renal Enlargement	nephromegaly	nephromegaly of mice	6.30E-03	MT1E, MT1F	2
Renal Enlargement	enlargement	enlargement of kidney	1.53E-01	MT1F	1
Cardiac Fibrosis	fibrosis	fibrosis of myocardium	8.63E-03	CSF3, NCF1, PPARA, SERPINE1, TIMP1	5
Cardiac Fibrosis	fibrosis	fibrosis of heart	6.93E-02	ADRB1, ATF3, POSTN, SERPINE1, STAT3, TNFAIP3	6
Cardiac Fibrosis	fibrosis	fibrosis of ventricular septum	7.94E-02	ADRB1	1
Cardiac Fibrosis	fibrosis	fibrosis of left ventricle	1.00E00	ADRB1	1
Cardiac Fibrosis	cardiac fibrosis	cardiac fibrosis of mice	1.77E-02	AR, LIMS1, NR3C2, PNKD (includes EG-25953), SERPINE1	5
Cardiac Congestive Cardiac Failure	congestive heart failure	congestive heart failure	1.01E-02	ADRB1, AR, IL6, KCNK3, NPR3, NR3C1, NR3C2, PDE4B, PDE4D, PDE5A, PDE7A	11
Heart Failure	congestive heart failure	congestive heart failure	1.01E-02	ADRB1, AR, IL6, KCNK3, NPR3, NR3C1, NR3C2, PDE4B, PDE4D, PDE5A, PDE7A	11
Heart Failure	diastolic heart failure	diastolic heart failure	2.07E-02	AR, NPR3, NR3C2	3
Heart Failure	heart failure	heart failure	4.59E-02	ADRB1, AR, BCL2L1, CACNB2, CFLAR, GUCY1A3, GUCY1B3, IL6, KCNK3, LIMS1, NPR3, NR3C1, NR3C2, PDE4B, PDE4D, PDE5A, PDE7A, PPARGC1A, RRAD, SERPINE1, TIMP1	21
Heart Failure	heart failure	heart failure of mice	4.60E-02	ADRB1, CACNB2, CFLAR, LIMS1, NR3C2, PDE4D, PPARGC1A, SERPINE1, TIMP1	9
Heart Failure	heart failure	heart failure of humans	1.53E-01	SERPINE1	1
Heart Failure	heart failure	heart failure of rats	1.53E-01	BCL2L1	1
Heart Failure	cardiac decompensation	cardiac decompensation	4.40E-01	ADRB1	1
Renal Inflammation	inflammation	inflammation of renal glomerulus	1.79E-02	CFB, TLR2	2
Renal Inflammation	inflammation	inflammation of kidney	5.09E-02	IGF1, RELB, TNFRSF1A	3
Cardiac Arrhythmia	arrhythmia	arrhythmia of heart	2.07E-02	ADRB1, KCNIP2, PDE4D	3
Cardiac Arrhythmia	arrhythmia	onset of arrhythmia of heart	7.94E-02	ADRB1	1
Cardiac Arrhythmia	arrhythmia	arrhythmia of heart ventricle	1.53E-01	CASQ2	1
Cardiac Arrhythmia	arrhythmia	arrhythmia	4.46E-01	ADRB1, CASQ2, KCNIP2, KCNK3, PDE4D	5
Cardiac Arrhythmia	ventricular arrhythmia	ventricular arrhythmia	1.00E00	ADRB1, KCNK3	2
Cardiac Output	cardiac output	cardiac output of mice	2.07E-02	CSF3, IGF1, KITLG	3
Cardiac Output	cardiac output	cardiac output	3.33E-02	ADRB1, CSF3, IGF1, KITLG	4
Cardiac Output	cardiac output	cardiac output of heart	4.40E-01	ADRB1	1
Renal Dysplasia	dysplasia	dysplasia of kidney	3.39E-02	CDKN1C, H19	2
Liver Cirrhosis	cirrhosis	cirrhosis	3.81E-02	ABCC3, ADRB1, CD38, IL6, PPARA, TLR3, TNFRSF1A, TUBA8, TUBA4A	9
Liver Cirrhosis	primary biliary cirrhosis	primary biliary cirrhosis	1.88E-01	ABCC3, PPARA, TLR3	3
Pulmonary Hypertension	pulmonary hypertension	pulmonary hypertension	4.31E-02	ADRB1, APOE, BCR, IL1RN, PAH, PDE5A	6
Pulmonary Hypertension	pulmonary hypertension	pulmonary hypertension of mice	2.20E-01	APOE	1
Hepatocellular Carcinoma	hepatocellular carcinoma	hepatocellular carcinoma	5.62E-02	BIRC2, CDKN1A, EGFR, EIF2AK2, HIF1A, HP, IQGAP2, MYC, PML, PPARA, SOCS3, TUBA8, TUBA4A, VEGFA	14
Liver Cholestasis	cholestasis	cholestasis of humans	7.63E-02	ATP8B1, IL6	2
Liver Cholestasis	cholestasis	cholestasis	1.31E-01	ABCC3, ADH1C (includes EG-126), ATP8B1, IL6, LBP, MGST1, PAH, SULT1A1, TAP2	9
Liver Cholestasis	ssive familial intrahepatic cholestasis	ssive familial intrahepatic cholestasis type 1 c	7.94E-02	ATP8B1	1
Liver Cholestasis	ssive familial intrahepatic cholestasis	ssive familial intrahepatic cholestasis type 1	1.25E-01	ADH1C (includes EG-126), ATP8B1, LBP, MGST1, PAH, SULT1A1, TAP2	7
Liver Cholestasis	intrahepatic cholestasis	intrahepatic cholestasis	1.16E-01	ABCC3, ADH1C (includes EG-126), ATP8B1, LBP, MGST1, PAH, SULT1A1, TAP2	8
Liver Hyperbilirubinemia	hyperbilirubinemia	hyperbilirubinemia	7.63E-02	ABCC3, HMOX1	2
Renal Fibrosis	tubulo-interstitial fibrosis	tubulo-interstitial fibrosis of kidney	7.63E-02	C3, P2RY1	2
Cardiac Degeneration	degeneration	degeneration of myocardium	7.94E-02	PPARA	1
Liver Degradation	disintegration	disintegration of liver	7.94E-02	ADAR	1
Liver Dysfunction	dysfunction	dysfunction of liver	7.94E-02	ATF3	1
Renal Hyperplasia/Hyperproliferator	hyperplasia	hyperplasia of kidney	7.94E-02	MYC	1
Renal Hyperplasia/Hyperproliferator	hyperplasia	hyperplasia of distal tubule	1.53E-01	HSD11B1	1
Cardiac Stenosis	aortic stenosis	aortic stenosis	9.39E-02	ICAM1, MMP3, SELE, TIMP1, TIMP2, VCAM1	6

Cardiac Inflammation	inflammation	inflammation of heart	9.41E-02	B2M, PNKD (includes EG:25953), RELB	3
Cardiac Dilation	dilation	dilation of left ventricle	1.06E-01	BNIP3 (includes EG:12176), MARCKSL1, SERPINE1, SLC2A1, TIMP1	5
Cardiac Dilation	dilation	dilation of heart chamber	1.13E-01	BNIP3 (includes EG:12176), MARCKSL1, NCF1, SERPINE1, SLC2A1, TIMP1	6
Congenital Heart Anomaly	congenital heart disease	congenital heart disease	1.11E-01	ADRB1, DTNA, PBX1	3
Liver Regeneration	regeneration	regeneration of liver	1.11E-01	C3, CSF3, IL6	3
Liver Regeneration	regeneration	regeneration of liver cells	5.25E-01	IL6	1
Renal Dysfunction	dysfunction	dysfunction of kidney	1.11E-01	C3, MYD88, TLR2	3
Glomerular Injury	glomerulopathy	glomerulopathy of mice	1.32E-01	APOE, C3, FCER1G, LGALS3	4
Glomerular Injury	glomerulopathy	glomerulopathy	1.67E-01	APOE, C3, FCER1G, LGALS3, P2RY1	5
Glomerular Injury	glomerulosclerosis	glomerulosclerosis of kidney	1.53E-01	P2RY1	1
Glomerular Injury	glomerulosclerosis	glomerulosclerosis	4.93E-01	APOE, C3, P2RY1	3
Glomerular Injury	glomerulosclerosis	glomerulosclerosis of mice	5.06E-01	APOE, C3	2
Bradycardia	sinus bradycardia	sinus bradycardia of heart	1.53E-01	TRIM21	1
Bradycardia	bradycardia	bradycardia	5.31E-01	RAC1, TRIM21	2
Liver Edema	edema	edema of liver	1.53E-01	VEGFA	1
Renal Degeneration	degeneration	degeneration of tubular cells	1.53E-01	MT1F	1
Renal Regeneration	regeneration	regeneration of glomerular capillary	1.53E-01	VEGFA	1
Liver Degeneration	degeneration	degeneration of liver	1.86E-01	DDX58, TBK1	2
Liver Degeneration	degeneration	degeneration of liver cells	2.20E-01	TBK1	1
Cardiac Enlargement	enlargement	enlargement of heart ventricle	2.20E-01	CTSL2	1
Cardiac Enlargement	enlargement	enlargement of atrium	2.82E-01	CTSL2	1
Liver Adhesion	adhesion	adhesion of hepatic stellate cells	2.20E-01	ITGB3	1
Nephrosis	nephrosis	nephrosis	2.38E-01	NR3C1, PDE4B, PDE4D, PDE5A, PDE7A	5
Cardiac Transformation	transformation	transformation of endocardial cells	2.82E-01	VEGFA	1
Liver Dysplasia	dysplasia	dysplasia of liver	2.82E-01	PML	1
Liver Hepatomegaly	hepatomegaly	hepatomegaly of mice	3.07E-01	ADIPOQ, PPARA	2
Liver Fibrosis	fibrosis	fibrosis of liver	3.42E-01	HP, NCF1, STAT1	3
Liver Failure	liver failure	liver failure of mice	3.91E-01	FAS	1
Liver Hematopoiesis	hematopoiesis	hematopoiesis of liver	3.91E-01	SOCS3	1
Cardiac Hypoplasia	hypoplasia	hypoplasia of myocardium	4.84E-01	MYCN	1
Cardiac Proliferation	proliferation	proliferation of heart cells	5.79E-01	IGF1, ITGB2	2

TABLE 9A - LPS RESPONSES INHIBITED BY A2A KO

AffyID	RefSeq	Entrez Gene	Gene Title	Gene Symbol	WT Fold Change	KO Fold Change	KO/WT	Response
1449025_at	NM_010501	15959	interferon-induced protein with tetratricopeptide repeats 3	Ifit3	51.71	29.14	0.56	LPS Response in WT reduced by 1.5 with A2 KO
1425233_at	NM_144544	78354	RIKEN cDNA 2210407C18 gene	2210407C18Rik	19.33	12.97	0.67	LPS Response in WT reduced by 1.5 with A2 KO
1421008_at	NM_021384	58185	radical S-adenosyl methionine domain containing 2	Rsad2	11.14	5.54	0.50	LPS Response in WT reduced by 1.5 with A2 KO
1419598_at	NM_026835	68774	membrane-spanning 4-domains, subfamily A, member 6D	Ms4a6d	9.80	5.58	0.57	LPS Response in WT reduced by 1.5 with A2 KO
1424339_at	NM_145209	231655	2'-5' oligoadenylate synthetase-like 1	Oas1l	8.91	5.05	0.57	LPS Response in WT reduced by 1.5 with A2 KO
1450299_s at	NM_018866	55895	chemokine (C-X-C motif) ligand 13	Cxcl13	8.35	4.41	0.53	LPS Response in WT reduced by 1.5 with A2 KO
1434776_at	NM_009154	20356	membrane-spanning 4-domains, subfamily A, member 4C	Ms4a4c	7.27	3.96	0.54	LPS Response in WT reduced by 1.5 with A2 KO
1451644_a at	10390 // XM_9	15006 // 68395	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A	Sema5a	6.63	3.07	0.46	LPS Response in WT reduced by 1.5 with A2 KO
1448239_at	NM_010442	15368	histocompatibility 2, Q region locus 1 // RIKEN cDNA 0610037M15 gene	2-Q1 // 0610037M15R	6.24	3.86	0.62	LPS Response in WT reduced by 1.5 with A2 KO
1449485_at	NM_010407	15162	heme oxygenase (decycling) 1	Hmox1	5.09	3.01	0.60	LPS Response in WT reduced by 1.5 with A2 KO
1450808_at	NM_013521	14293	hemopoietic cell kinase	Hck	5.07	3.14	0.62	LPS Response in WT reduced by 1.5 with A2 KO
1450484_a at	NM_020557	22169	formyl peptide receptor 1	Fpr1	5.05	3.35	0.66	LPS Response in WT reduced by 1.5 with A2 KO
1450378_at	1025313 // NM	21356	thymidylate kinase family LPS-inducible member	Tyki	4.92	3.06	0.62	LPS Response in WT reduced by 1.5 with A2 KO
1459557_at	NM_001033324	235320	TAP binding protein	Tapbp	4.71	3.04	0.65	LPS Response in WT reduced by 1.5 with A2 KO
1424518_at	1005082 // XM	223672 // 71898	Zinc finger and BTB domain containing 16	Zbtb16	4.65	3.06	0.66	LPS Response in WT reduced by 1.5 with A2 KO
1439608_at	NM_030711	80898	RIKEN cDNA 2310016F22 gene // cDNA sequence BC020489	10016F22Rik // BC020	4.54	2.95	0.65	LPS Response in WT reduced by 1.5 with A2 KO
1458271_at	---	---	type 1 tumor necrosis factor receptor shedding aminopeptidase regulator	Arts1	4.52	2.91	0.64	LPS Response in WT reduced by 1.5 with A2 KO
1458299_s at	NM_008690	18037	12 days embryo spinal cord cDNA, RIKEN full-length enriched library, clone:CS53003P15	---	4.24	2.43	0.57	LPS Response in WT reduced by 1.5 with A2 KO
1423954_at	NM_009778	12266	product:unclassifiable, full insert sequence	---	---	---	---	---
1451382_at	NM_026929	69065	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	Nfkbie	4.20	2.46	0.59	LPS Response in WT reduced by 1.5 with A2 KO
1435331_at	NM_175026	236312	complement component 3	C3	4.19	2.77	0.66	LPS Response in WT reduced by 1.5 with A2 KO
1422512_a at	NM_031373	72075	ChAc, cation transport regulator-like 1 (E. coli)	Chac1	4.11	2.3	0.56	LPS Response in WT reduced by 1.5 with A2 KO
1454211_a at	NM_015756	27428	expressed sequence AI447904	AI447904	3.99	2.56	0.64	LPS Response in WT reduced by 1.5 with A2 KO
1449453_at	NM_009763	12182	opioid growth factor receptor	Oqrl	3.75	2.41	0.64	LPS Response in WT reduced by 1.5 with A2 KO
1418148_at	NM_021304	57742	shroom	Shrm	3.62	2.22	0.61	LPS Response in WT reduced by 1.5 with A2 KO
1426235_a at	NM_008131	14645	bone marrow stromal cell antigen 1	Bst1	3.48	2.14	0.61	LPS Response in WT reduced by 1.5 with A2 KO
1435261_at	---	320737	abhydrolase domain containing 1	Abhd1	3.22	1.83	0.57	LPS Response in WT reduced by 1.5 with A2 KO
1456890_at	NM_172689	230073	glutamate-ammonia ligase (glutamine synthetase)	Glul	3.18	1.77	0.56	LPS Response in WT reduced by 1.5 with A2 KO
1451854_a at	NM_015756	27428	RIKEN cDNA 4732416N19 gene	4732416N19Rik	3.10	2.05	0.66	LPS Response in WT reduced by 1.5 with A2 KO
1420871_x at	NM_029499	64380	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	Ddx58	3.02	2.01	0.67	LPS Response in WT reduced by 1.5 with A2 KO
1439855_at	NM_198967	387314	shroom	Shrm	3.01	1.8	0.60	LPS Response in WT reduced by 1.5 with A2 KO
1422006_at	NM_011163	19106	membrane-spanning 4-domains, subfamily A, member 4C	Ms4a4c	2.88	1.7	0.59	LPS Response in WT reduced by 1.5 with A2 KO
1417562_at	NM_007918	13685	cDNA sequence BC023818	BC023818	2.74	1.66	0.61	LPS Response in WT reduced by 1.5 with A2 KO
1429900_at	---	76671	eukaryotic translation initiation factor 2-alpha class 2	Eif2ak2	2.72	1.68	0.62	LPS Response in WT reduced by 1.5 with A2 KO
1427759_a at	NM_007491	11875	eukaryotic translation initiation factor 4E binding protein 1	Eif4ebp1	2.65	1.77	0.67	LPS Response in WT reduced by 1.5 with A2 KO
1417522_at	NM_026346	67331	RIKEN cDNA 5330406M23 gene	5330406M23Rik	2.57	1.53	0.60	LPS Response in WT reduced by 1.5 with A2 KO
1436212_at	NM_172514	213068	ADP-ribosyltransferase 5	Arts	2.50	1.39	0.56	LPS Response in WT reduced by 1.5 with A2 KO
1451314_a at	NM_011693	22329	ADP-ribosyltransferase 5	Arts	2.43	1.57	0.65	LPS Response in WT reduced by 1.5 with A2 KO
1417620_at	NM_009008	19354	F-box only protein 32	Fbxo32	2.41	1.56	0.65	LPS Response in WT reduced by 1.5 with A2 KO
1444749_at	NM_007470	11815	transmembrane protein 71	Tmem71	2.41	1.56	0.65	LPS Response in WT reduced by 1.5 with A2 KO
1448454_at	NM_009763	12182	vascular cell adhesion molecule 1	Vcam1	2.41	1.56	0.65	LPS Response in WT reduced by 1.5 with A2 KO
1451953_s at	NM_010846	11857	RAS-related C3 botulinum substrate 2	Rac2	2.39	1.57	0.66	LPS Response in WT reduced by 1.5 with A2 KO
1451553_at	NM_007491	11875	Apolipoprotein D	Apod	2.34	1.38	0.59	LPS Response in WT reduced by 1.5 with A2 KO
1422167_at	NM_009154	20356	bone marrow stromal cell antigen 1	Bst1	2.33	1.39	0.60	LPS Response in WT reduced by 1.5 with A2 KO
1416194_at	NM_007823	13120	influenza virus (influenza virus) resistance 1	Irf5	2.33	1.48	0.64	LPS Response in WT reduced by 1.5 with A2 KO
1416371_at	NM_007470	11815	ADP-ribosyltransferase 5	Arts	2.31	1.55	0.67	LPS Response in WT reduced by 1.5 with A2 KO
1433963_a at	NM_153795	108101	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A	Sema5a	2.28	1.46	0.64	LPS Response in WT reduced by 1.5 with A2 KO
1423275_a at	NM_009710	11870	cytochrome P450, family 4, subfamily b, polypeptide 1	Cyp4b1	2.23	1.45	0.65	LPS Response in WT reduced by 1.5 with A2 KO
1434283_at	NM_023598	71371	apolipoprotein D	Apod	2.21	1.3	0.59	LPS Response in WT reduced by 1.5 with A2 KO
1416265_at	NM_011796	23830	cDNA sequence BC032204	BC032204	2.17	1.43	0.66	LPS Response in WT reduced by 1.5 with A2 KO
1451787_at	0998 // NM_0	13088	ADP-ribosyltransferase 1	Arts	2.14	1.39	0.65	LPS Response in WT reduced by 1.5 with A2 KO
1458802_at	NM_010657	16656	AT rich interactive domain 5B (Mrf1 like)	Arid5b	2.07	1.33	0.64	LPS Response in WT reduced by 1.5 with A2 KO
1417563_at	NM_007918	13685	calpain 10	Capn10	1.96	1.29	0.66	LPS Response in WT reduced by 1.5 with A2 KO
1426524_a at	25347 // NM_0	66090	cytochrome P450, family 2, subfamily b, polypeptide 10	Cyp2b10	1.90	1.12	0.59	LPS Response in WT reduced by 1.5 with A2 KO
1436121_a at	NM_026330	67711	human immunodeficiency virus type 1 enhancer binding protein 3	Hivep3	1.81	1.13	0.62	LPS Response in WT reduced by 1.5 with A2 KO
1420540_a at	NM_009069	19769	eukaryotic translation initiation factor 4E binding protein 1	Eif4ebp1	1.71	1.12	0.65	LPS Responsive in WT but Not KO
1418290_a at	NM_007970	14055	yippe-like 3 (Drosophila)	Yippe3	1.70	1.05	0.62	LPS Response in WT reduced by 1.5 with A2 KO
1416315_at	NM_134076	105501	non-SMC element 1 homolog (S. cerevisiae)	Nsmc1	1.69	1.13	0.67	LPS Response in WT reduced by 1.5 with A2 KO
1457305_at	---	---	Ras-like without CAAX 1	Rit1	1.64	1.06	0.65	LPS Responsive in WT but Not KO
1440092_at	NM_010162	14042	enhancer of zeste homolog 1 (Drosophila)	Ezh1	1.56	1.01	0.65	LPS Responsive in WT but Not KO
1444945_at	NM_011261	19699	abhydrolase domain containing 4	Abhd4	1.54	1.03	0.67	LPS Responsive in WT but Not KO
1455150_at	---	---	Transcribed locus	---	-1.41	1.04	-0.74	LPS Responsive in WT but Not KO
1438719_at	---	106920	Exostoses (multiple) 1	Ext1	-1.44	1.06	-0.74	LPS Responsive in WT but Not KO
1415943_at	NM_011519	20969	resilin	Reln	-1.55	-1.04	-0.67	LPS Responsive in WT but Not KO
1441391_at	NM_023120	13972	13 days embryo forelimb cDNA, RIKEN full-length enriched library, clone:5930438H13	---	-1.67	-1.08	-0.65	LPS Responsive in WT but Not KO
1439305_at	---	---	product:unclassifiable, full insert sequence	---	---	---	---	---
1439307_at	NM_007664	12558	expressed sequence AI585793	AI585793	-1.69	1.06	-0.63	LPS Responsive in WT but Not KO
1437479_x at	11535 // NM_1	21386	syndecan 1	Sdc1	-1.74	-1.13	-0.65	LPS Responsive in WT but Not KO
1448673_at	// NM_021496 /	58998	Guanine nucleotide binding protein (G protein), beta polypeptide 1-like	Gnb1l	-1.76	-1.02	-0.58	LPS Responsive in WT but Not KO
1454764_s at	NM_134086	105727	12 days embryo spinal cord cDNA, RIKEN full-length enriched library, clone:CS530050B12	---	-1.76	-1.17	-0.66	LPS Responsive in WT but Not KO
1424350_s at	NM_172266	226856	Cadherin 2	Cdh2	-1.77	-1.09	-0.62	LPS Responsive in WT but Not KO
1457305_at	NM_134086	105727	T-box 3	Tbx3	-1.78	-1.13	-0.63	LPS Responsive in WT but Not KO
1435521_at	NM_054043	76626	poliovirus receptor-related 3	Pvr3	-1.82	1.1	-0.60	LPS Responsive in WT but Not KO
1442846_at	08783 // NM_1	18514	solute carrier family 38, member 1	Slc38a1	-1.85	-1.19	-0.64	LPS Responsive in WT but Not KO
1455009_at	1004040 // XM	192950	lysophosphatidylcholine acyltransferase 1	Lsdcat1	-1.86	-1.15	-0.62	LPS Responsive in WT but Not KO
1441608_at	NM_009784	12293	DNA segment, Chr 13, ERAIO Dot 787, expressed	D13Ert8787e	-1.89	-1.24	-0.66	LPS Response in WT reduced by 1.5 with A2 KO
1450397_at	NM_008634	17755	Musashi homolog 2 (Drosophila)	Msi2	-1.91	-1.17	-0.61	LPS Responsive in WT but Not KO
1431791_at	NM_011406	20541	Pre B-cell leukemia transcription factor 1	Pbx1	-1.94	-1.17	-0.60	LPS Response in WT reduced by 1.5 with A2 KO
1440966_at	NM_020575	57438	cDNA sequence AB182283	AB182283	-1.96	-1.27	-0.65	LPS Response in WT reduced by 1.5 with A2 KO
1415822_at	NM_009128	20250	Calcium channel, voltage-dependent, alpha2/delta subunit 1	Cacna2d1	-1.96	-1.3	-0.66	LPS Response in WT reduced by 1.5 with A2 KO
1441262_at	NM_009289	20874	microtubule-associated protein 1 B	Mtap1b	-1.97	-1.17	-0.59	LPS Responsive in WT but Not KO
1425710_a at	// NM_147176 /	26556	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	-2.03	-1.34	-0.66	LPS Response in WT reduced by 1.5 with A2 KO
1426417_at	NM_026417	67864	membrane-associated ring finger (C3HC4)	Nar-07	-2.06	-1.19	-0.58	LPS Response in WT reduced by 1.5 with A2 KO
1453593_at	83372 // XM_9	73569	stearyl-Coenzyme A desaturase 2	Scd2	-2.06	-1.35	-0.66	LPS Response in WT reduced by 1.5 with A2 KO
1452260_at	NM_178373	14311	STE20-like kinase (yeast)	Sik	-2.08	-1.31	-0.63	LPS Response in WT reduced by 1.5 with A2 KO
1450779_at	NM_021272	12140	homer homolog 1 (Drosophila)	Homer1	-2.09	-1.19	-0.57	LPS Response in WT reduced by 1.5 with A2 KO
			Yip1 domain family, member 4	Yip4	-2.09	-1.22	-0.58	LPS Response in WT reduced by 1.5 with A2 KO
			RIKEN cDNA 1700110N18 gene	1700110N18Rik	-2.11	-1.26	-0.60	LPS Response in WT reduced by 1.5 with A2 KO
			cell death-inducible DIFFA-like effector c	Cidc	-2.15	-1.11	-0.52	LPS Responsive in WT but Not KO
			fatty acid binding protein 7, brain	Fabp7	-2.15	-1.35	-0.63	LPS Response in WT reduced by 1.5 with A2 KO

1458601 at	---	---	399578	RIKEN cDNA 8030447M02 gene	8030447M02Rik	-2.16	-1.33	0.62	LPS Response in WT reduced by 1.5 with A2 KO
1437279 x at	NM 011519	20969	20969	syndecan 1	Sdc1	-2.17	-1.33	0.61	LPS Response in WT reduced by 1.5 with A2 KO
1440227 at	---	503859	503859	expressed sequence BF642829	BF642829	-2.17	-1.43	0.66	LPS Response in WT reduced by 1.5 with A2 KO
1436387 at	---	320588	320588	RIKEN cDNA C33006P03 gene	C33006P03Rik	-2.23	-1.25	0.56	LPS Response in WT reduced by 1.5 with A2 KO
1447853 x at	NM 010617	16553	16553	Kinesin family member 13A	Kif13a	-2.25	-1.41	0.63	LPS Response in WT reduced by 1.5 with A2 KO
1437305 at	NM 175466	228491	228491	RIKEN cDNA 6430601A21 gene	6430601A21Rik	-2.28	-1.07	0.47	LPS Responsive in WT but Not KO
1441364_at	NM_008092	14463	14463	GATA binding protein 4	Gata4	-2.28	-1.32	0.58	LPS Response in WT reduced by 1.5 with A2 KO
1434101 at	NM 008687	18028	18028	nuclear factor I/B	Nf1b	-2.30	-1.45	0.63	LPS Response in WT reduced by 1.5 with A2 KO
1434958_at	NM_172809	50720	50720	sacsin	Sacs	-2.31	-1.15	0.50	LPS Responsive in WT but Not KO
1458847 at	---	---	---	---	---	-2.34	-1.41	0.60	LPS Response in WT reduced by 1.5 with A2 KO
1453588 at	NM 007606	12350	12350	carbonic anhydrase 3	Car3	-2.37	-1.56	0.66	LPS Response in WT reduced by 1.5 with A2 KO
1448170 at	NM 009174	20439	20439	seven in absentia 2	Siah2	-2.40	-1.45	0.60	LPS Response in WT reduced by 1.5 with A2 KO
1425343 at	NM 024257	72748	72748	haloacid dehalogenase-like hydrolase domain containing 3	Hdh3	-2.47	-1.36	0.65	LPS Response in WT reduced by 1.5 with A2 KO
1447176 at	75268 // NM 2	77938	77938	RIKEN cDNA A930008G19 gene	A930008G19Rik	-2.54	-1.43	0.56	LPS Response in WT reduced by 1.5 with A2 KO
1424357 at	NM 144936	235135	235135	transmembrane protein 45b	Tmem45b	-2.56	-1.37	0.54	LPS Response in WT reduced by 1.5 with A2 KO
1438301_at	NM_010026	13196	13196	Development and differentiation enhancing	Ddef1	-2.56	-1.66	0.65	LPS Response in WT reduced by 1.5 with A2 KO
1430561 at	24514 // XM 9	70604	70604	DnaJ (Hsp40) homolog, subfamily B, member 14	Dnaib14	-2.58	-1.3	0.50	LPS Response in WT reduced by 1.5 with A2 KO
1417135_at	NM_009274	20817	20817	serine/arginine-rich protein specific kinase 2	Srpk2	-2.60	-1.21	0.47	LPS Response in WT reduced by 1.5 with A2 KO
1442686 at	NM 058212	70127	70127	D4, zinc and double PHD fingers, family 3	Dpf3	-2.61	-1.65	0.63	LPS Response in WT reduced by 1.5 with A2 KO
1447231 at	NM 011406	20541	20541	Solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	-2.65	-1.59	0.60	LPS Response in WT reduced by 1.5 with A2 KO
1438664 at	NM 011158	19088	19088	protein kinase, cAMP dependent, regulatory, type II beta	Pknox2b	-2.71	-1.5	0.55	LPS Response in WT reduced by 1.5 with A2 KO
1438496 a at	NM 172779	236790	236790	RIKEN cDNA 6330505F04 gene	6330505F04Rik	-2.76	-1.61	0.58	LPS Response in WT reduced by 1.5 with A2 KO
1439532 s at	NM 010617	16553	16553	kinesin family member 13A	Kif13a	-2.77	-1.45	0.52	LPS Response in WT reduced by 1.5 with A2 KO
1436453 at	---	101918	101918	expressed sequence BB144871	BB144871	-2.78	-1.37	0.49	LPS Response in WT reduced by 1.5 with A2 KO
1449270_at	NM_026162	67448	67448	plexin domain containing 2	Plexc2	-2.82	-1.89	0.67	LPS Response in WT reduced by 1.5 with A2 KO
1433885 at	---	544963	544963	IQ motif containing GTPase activating protein 2	Iqaap2	-2.86	-1.91	0.67	LPS Response in WT reduced by 1.5 with A2 KO
1446264_at	NM_144800	211401	211401	metastasis suppressor 1	Mts1	-2.92	-1.87	0.64	LPS Response in WT reduced by 1.5 with A2 KO
1418648 at	NM 028133	112407	112407	EGL nine homolog 3 (C. elegans)	Egl3	-3.02	-1.94	0.64	LPS Response in WT reduced by 1.5 with A2 KO
1444416 at	NM 007681	12615	12615	Centromere autoantigen A	Cenpa	-3.08	-2.06	0.67	LPS Response in WT reduced by 1.5 with A2 KO
1450754 at	XM 976267	669637	669637	similar to calcium channel, voltage-dependent, alpha 2/delta subunit 2	LOC669637	-3.20	-1.94	0.61	LPS Response in WT reduced by 1.5 with A2 KO
1442368 at	NM 175429	207474	207474	potassium channel tetramerisation domain containing 12b	Kctd12b	-3.21	-1.73	0.54	LPS Response in WT reduced by 1.5 with A2 KO
1459894 at	---	544963	544963	IQ motif containing GTPase activating protein 2	Iqaap2	-3.22	-1.84	0.57	LPS Response in WT reduced by 1.5 with A2 KO
1457296 at	NM 173385	214425	214425	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	Cilp	-3.30	-2.12	0.64	LPS Response in WT reduced by 1.5 with A2 KO
1423065 at	07872 // NM 1	13435	13435	DNA methyltransferase 3A	Dnmt3a	-3.32	-1.43	0.43	LPS Response in WT reduced by 1.5 with A2 KO
1435135 at	NM 178772	320024	320024	arylacetamide deacetylase-like 1	Aadacl1	-3.39	-1.74	0.51	LPS Response in WT reduced by 1.5 with A2 KO
1438892_at	NM_021881	19317	19317	Quaking	Qk	-3.43	-1.56	0.45	LPS Response in WT reduced by 1.5 with A2 KO
1418197 at	NM 009463	22227	22227	uncoupling protein 1 (mitochondrial, proton carrier)	Ucp1	-3.44	-1.69	0.49	LPS Response in WT reduced by 1.5 with A2 KO
1445481 at	---	106549	106549	expressed sequence AI317158	AI317158	-3.49	-1.75	0.50	LPS Response in WT reduced by 1.5 with A2 KO
1425597 a at	NM 021881	19317	19317	quaking	Qk	-3.79	-2.1	0.55	LPS Response in WT reduced by 1.5 with A2 KO
1427320 at	NR 002845	54158	54158	coatamer protein complex, subunit gamma 2, antisense 2	Copg2as2	-4.21	-2.82	0.67	LPS Response in WT reduced by 1.5 with A2 KO
1430584 s at	NM 007606	12350	12350	carbonic anhydrase 3	Car3	-4.26	-2.08	0.49	LPS Response in WT reduced by 1.5 with A2 KO
1460336 at	NM 008904	19017	19017	peroxisome proliferator activated receptor, gamma, coactivator 1 alpha	Pparoc1a	-4.69	-2.54	0.54	LPS Response in WT reduced by 1.5 with A2 KO
1418509 at	NM 007621	12409	12409	carbonyl reductase 2	Cbr2	-5.00	-2.78	0.56	LPS Response in WT reduced by 1.5 with A2 KO
1453486 a at	NM 020052	56788	56788	signal peptide, CUB domain, EGF-like 2	Scube2	-7.15	-3.74	0.52	LPS Response in WT reduced by 1.5 with A2 KO
1434672 at	NM 175191	73010	73010	G protein-coupled receptor 22	Gpr22	-7.78	-4.45	0.57	LPS Response in WT reduced by 1.5 with A2 KO
1460256 at	NM 007606	12350	12350	carbonic anhydrase 3	Car3	-8.49	-5.64	0.66	LPS Response in WT reduced by 1.5 with A2 KO
1422651 at	NM 009605	11450	11450	adiponectin, C1Q and collagen domain containing	Adipoq	-19.39	-10.04	0.52	LPS Response in WT reduced by 1.5 with A2 KO

TABLE 9B - LPS RESPONSES AUGMENTED BY A2A KO

AffyID	RefSeq	Entrez Gene	Gene Title	Gene Symbol	WT Fold Change	KO Fold Change	KO/WT	Response
1427747_a_at	NM_008491	16819	lipocalin 2	Lcn2	622.75	953.77	1.53	KO Increases WT Response ≥1.5-fold
1417141_at	NM_018738	16145	interferon gamma induced GTPase	Irbp	34.60	57.68	1.67	KO Increases WT Response ≥1.5-fold
1419728_at	NM_009141	20311	chemokine (C-X-C motif) ligand 5	Cxcl5	28.99	55.52	1.92	KO Increases WT Response ≥1.5-fold
1419394_s_at	NM_013650	20201	S100 calcium binding protein A8 (calgranulin A)	S100a8	28.64	47.75	1.67	KO Increases WT Response ≥1.5-fold
1417793_at	NM_019440	54396	interferon inducible GTPase 2	Irbp2	24.93	37.66	1.51	KO Increases WT Response ≥1.5-fold
1458589_at	---	---	---	---	24.21	52.53	2.17	KO Increases WT Response ≥1.5-fold
1449984_at	NM_009140	20310	chemokine (C-X-C motif) ligand 2	Cxcl2	22.75	34.96	1.54	KO Increases WT Response ≥1.5-fold
1450297_at	NM_031168	16193	interleukin 6	Il6	16.85	28.84	1.71	KO Increases WT Response ≥1.5-fold
1428776_at	NM_029415	75750	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	Slc10a6	14.70	24.38	1.66	KO Increases WT Response ≥1.5-fold
1417130_s_at	NM_020581	57875	angiopoietin-like 4	Anapt4	14.45	22.75	1.57	KO Increases WT Response ≥1.5-fold
1453678_at	NM_013594	17190	methyl-CpG binding domain protein 1	Mbd1	14.45	22.51	1.56	KO Increases WT Response ≥1.5-fold
1419427_at	NM_009971	12985	colony stimulating factor 3 (granulocyte)	Csf3	14.20	24.72	1.74	KO Increases WT Response ≥1.5-fold
1457666_s_at	08327 // NM_0	26388	interferon activated gene 202B	Ifi202b	13.38	23.22	1.74	KO Increases WT Response ≥1.5-fold
1426858_at	NM_008381	16324	inhibin beta-B	Inhb	10.57	27.81	2.63	KO Increases WT Response ≥1.5-fold
1424638_at	NM_007669	12575	cyclin-dependent kinase inhibitor 1A (P21)	Cdkn1a	10.21	17.69	1.73	KO Increases WT Response ≥1.5-fold
1452955_at	NM_172845	240913	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 4	Adamts4	10.02	18.64	1.86	KO Increases WT Response ≥1.5-fold
1416121_at	NM_010728	16948	lysyl oxidase	Lox	9.22	15.06	1.63	KO Increases WT Response ≥1.5-fold
1421551_s_at	08327 // NM_0	26388	interferon activated gene 202B	Ifi202b	8.75	13.57	1.55	KO Increases WT Response ≥1.5-fold
1448562_at	NM_009477	22271	uridine phosphorylase 1	Upp1	8.51	12.75	1.50	KO Increases WT Response ≥1.5-fold
1447285_at	---	---	---	---	7.58	12.88	1.70	KO Increases WT Response ≥1.5-fold
1448881_at	NM_017370	15439	haptoglobin	Hp	7.31	17.51	2.40	KO Increases WT Response ≥1.5-fold
1456907_at	NM_008599	17329	chemokine (C-X-C motif) ligand 9	Cxcl9	7.21	11.39	1.58	KO Increases WT Response ≥1.5-fold
1434046_at	NM_001004174	433470	expressed sequence AA467197	AA467197	7.05	17	2.41	KO Increases WT Response ≥1.5-fold
1441326_at	NM_007552	12870	ceruloplasmin	Cp	6.70	11.77	1.76	KO Increases WT Response ≥1.5-fold
1457770_at	NM_144808	213053	solute carrier family 39 (zinc transporter), member 14	Slc39a14	6.24	10.48	1.68	KO Increases WT Response ≥1.5-fold
1418471_at	NM_008827	18654	placental growth factor	Pgf	5.95	9.61	1.62	KO Increases WT Response ≥1.5-fold
1440481_at	NM_009283	20846	signal transducer and activator of transcription 1	Stat1	5.85	10.43	1.78	KO Increases WT Response ≥1.5-fold
1448290_at	NM_011036	18489	pancreatitis-associated protein	Pap	5.81	11.02	1.90	KO Increases WT Response ≥1.5-fold
1440999_at	NM_172863	242109	zinc finger protein 697	Zfp697	5.62	8.68	1.54	KO Increases WT Response ≥1.5-fold
1448728_a_at	NM_030612	80859	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	Nfkbiz	5.41	8.92	1.65	KO Increases WT Response ≥1.5-fold
1418722_at	NM_008694	18054	neutrophilic granule protein	Ngp	5.13	9.45	1.84	KO Increases WT Response ≥1.5-fold
1421854_at	NM_008013	14190	fibrinogen-like protein 2	Fol2	5.12	9.87	1.93	KO Increases WT Response ≥1.5-fold
1422411_s_at	_007894 // NM_ / 13587 // 503845	14190	eosinophil-associated, ribonuclease A family, member 1 // eosinophil-associated, ribonuclease A family, member 2 // eosinophil-associated, ribonuclease A family, member 3 // eosinophil-associated, ribonuclease A family, member 12	Ear2 // Ear3 // Ear4	4.53	6.94	1.53	KO Increases WT Response ≥1.5-fold
1448793_a_at	NM_011521	20971	syndecan 4	Sdc4	4.50	7.92	1.80	KO Increases WT Response ≥1.5-fold
1449227_at	NM_009890	12642	cholesterol 25-hydroxylase	Ch25h	4.30	6.48	1.51	KO Increases WT Response ≥1.5-fold
1455271_at	XM_885087	620695	hypothetical protein LOC620695	LOC620695	4.26	8.01	1.88	KO Increases WT Response ≥1.5-fold
1440173_x_at	NM_011347	20344	selectin, platelet	Selp	4.23	7.43	1.76	KO Increases WT Response ≥1.5-fold
1436100_at	// XM_914492 //	230863	SH2 domain containing 5	Sh2d5	4.20	6.58	1.57	KO Increases WT Response ≥1.5-fold
1449901_a_at	NM_016693	53608	mitogen-activated protein kinase kinase kinase 6	Map3k6	4.19	7.92	1.89	KO Increases WT Response ≥1.5-fold
1417496_at	NM_007752	12870	ceruloplasmin	Cp	4.13	7.59	1.84	KO Increases WT Response ≥1.5-fold
1455257_at	NM_016780	16416	integrin beta 3	Itgb3	4.02	7.59	1.89	KO Increases WT Response ≥1.5-fold
1449340_at	NM_025312	66042	sclerostin domain containing 1	Sostdc1	3.99	6.04	1.51	KO Increases WT Response ≥1.5-fold
1421731_a_at	NM_007999	14196	flap structure specific endonuclease 1	Fen1	3.95	6.88	1.74	KO Increases WT Response ≥1.5-fold
1435137_s_at	NR_002860 / 319269 // 319443	RIKEN cDNA 1200015M12 gene // RIKEN cDNA 1200016E24 gene // RIKEN cDNA E430024C06 gene	6E24Rik // A130040	3.93	6.96	1.77	KO Increases WT Response ≥1.5-fold	
1443721_x_at	NM_183426	216161	strawberry notch homolog (Drosophila)	Stno	3.93	6.74	1.72	KO Increases WT Response ≥1.5-fold
1422473_at	NM_019840	18578	phosphodiesterase 4B, cAMP specific	Pde4b	3.88	6.35	1.64	KO Increases WT Response ≥1.5-fold
1428909_at	NR_002860	319269	RIKEN cDNA A130040M12 gene	A130040M12Rik	3.86	5.99	1.55	KO Increases WT Response ≥1.5-fold
1441858_at	NM_030724	80914	Uridine-cytidine kinase 2	Uck2	3.80	6.21	1.63	KO Increases WT Response ≥1.5-fold
1430352_at	NM_175209	74516	RIKEN cDNA 8430417A20 gene	8430417A20Rik	3.78	6.6	1.75	KO Increases WT Response ≥1.5-fold
1435640_x_at	NR_002860	319269	RIKEN cDNA A130040M12 gene	A130040M12Rik	3.67	6.2	1.69	KO Increases WT Response ≥1.5-fold
1441150_x_at	---	---	Transcribed locus	---	3.51	5.49	1.56	KO Increases WT Response ≥1.5-fold
1418094_s_at	NM_007607	12351	carbonic anhydrase 4	Car4	3.47	7.37	2.12	KO Increases WT Response ≥1.5-fold
1427932_s_at	NR_002860 / 269 // 319443 // 7	RIKEN cDNA 12000310 gene // RIKEN cDNA 1200015M12 gene // RIKEN cDNA 1200016E24 gene // RIKEN cDNA A130040M12 gene // RIKEN cDNA E430024C06 gene	// 1200016E24Rik //	3.45	7.2	2.09	KO Increases WT Response ≥1.5-fold	
1422474_at	NM_019840	18578	phosphodiesterase 4B, cAMP specific	Pde4b	3.43	6.18	1.80	KO Increases WT Response ≥1.5-fold
1448949_at	NM_007607	12351	carbonic anhydrase 4	Car4	3.32	5.93	1.79	KO Increases WT Response ≥1.5-fold
1419149_at	NM_008871	18787	serine (or cysteine) peptidase inhibitor, clade E, member 1	Serpine1	3.28	6.09	1.86	KO Increases WT Response ≥1.5-fold
1425503_at	// NM_023887 //	14538	glucosaminyl (N-acetyl) transferase 2, l-branching enzyme	Gcnt2	3.21	4.8	1.50	KO Increases WT Response ≥1.5-fold
1415897_a_at	NM_019946	56615	microsomal glutathione S-transferase 1	Mgst1	3.18	5.13	1.61	KO Increases WT Response ≥1.5-fold
1426808_at	NM_010705	16854	lectin, galactose binding, soluble 3	Lgal3	3.15	5.23	1.66	KO Increases WT Response ≥1.5-fold
1453238_s_at	NR_002860 / 319269 // 319443	RIKEN cDNA 3930401B19 gene // RIKEN cDNA 1200016E24 gene // RIKEN cDNA A130040M12 gene // RIKEN cDNA E430024C06 gene	6E24Rik // A130040	3.11	5.58	1.79	KO Increases WT Response ≥1.5-fold	
1440865_at	NM_001033632	213002	interferon induced transmembrane protein 6	Ifitm6	3.07	4.74	1.54	KO Increases WT Response ≥1.5-fold
1424759_at	NM_026549	66412	arrestin domain containing 4	Ardc4	3.02	4.93	1.63	KO Increases WT Response ≥1.5-fold
1438148_at	NM_203320	330122	gene model 1960, (NCBI)	Gm1960	2.99	5.02	1.68	KO Increases WT Response ≥1.5-fold
1450716_at	NM_009621	11504	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 1	Adamts1	2.88	4.98	1.73	KO Increases WT Response ≥1.5-fold
1428636_at	19422 // XM_9	74051	six transmembrane epithelial antigen of prostate 2	Steap2	2.82	5.95	2.11	KO Increases WT Response ≥1.5-fold
1420831_at	1024945 // NM	104009	quiescin Q6	Oscn6	2.70	4.24	1.57	KO Increases WT Response ≥1.5-fold
1448452_at	NM_008320	15900	interferon regulatory factor 8	Irf8	2.69	4.42	1.64	KO Increases WT Response ≥1.5-fold
1442018_at	---	103207	expressed sequence A1426953	A1426953	2.63	4.69	1.78	KO Increases WT Response ≥1.5-fold
1417400_at	NM_030690	75646	retinoic acid induced 14	Rai14	2.63	3.94	1.50	KO Increases WT Response ≥1.5-fold
1437785_at	---	101401	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 9	Adamts9	2.60	4.54	1.75	KO Increases WT Response ≥1.5-fold
1417654_at	NM_011521	20971	syndecan 4	Sdc4	2.58	4.87	1.89	KO Increases WT Response ≥1.5-fold
1451160_s_at	NM_027514	52116	poliovirus receptor	Pvr	2.57	4.04	1.57	KO Increases WT Response ≥1.5-fold
1449996_a_at	NM_022314	59069	tropomyosin 3, gamma	Tpm3	2.51	3.84	1.53	KO Increases WT Response ≥1.5-fold
1458351_s_at	NM_178633	77113	kelch-like 2, Mayven (Drosophila)	Khl2	2.48	4.32	1.74	KO Increases WT Response ≥1.5-fold
1423393_at	NM_013885	29876	chloride intracellular channel 4 (mitochondrial)	Cic4	2.47	4.12	1.67	KO Increases WT Response ≥1.5-fold
1428671_at	---	72275	RIKEN cDNA 220002D01 gene	220002D01Rik	2.42	3.76	1.55	KO Increases WT Response ≥1.5-fold
1437247_at	08037 // XM_9	14284 // 634417	fos-like antigen 2 // similar to fos-like antigen 2	Fosl2 // LOC634417	2.40	3.96	1.65	KO Increases WT Response ≥1.5-fold
1441228_at	// XM_905672 //	381823	apolipoprotein L domain containing 1	Apol1	2.38	3.57	1.50	KO Increases WT Response ≥1.5-fold
1431399_at	---	101401	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 9	Adamts9	2.33	3.88	1.67	KO Increases WT Response ≥1.5-fold
1426501_a_at	NM_145133	211550	Traf2 binding protein	T2bp	2.32	3.97	1.71	KO Increases WT Response ≥1.5-fold
1457575_at	---	99209	expressed sequence AU021128	AU021128	2.24	4.07	1.82	KO Increases WT Response ≥1.5-fold

1443115_at	09371 // NM_0	21813	Transforming growth factor, beta receptor II	Tgfb2	1.25	1.97	1.58	KO increases WT Response ≥1.5-fold
1444763_at	NM_008983	19272	protein tyrosine phosphatase, receptor type, K	Ptk7	1.25	1.9	1.52	KO increases WT Response ≥1.5-fold
1425514_at	1024955 // NM	18708	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	Pik3r1	1.22	1.9	1.56	KO increases WT Response ≥1.5-fold
1434660_at	---	211064	alkB, alkyltion repair homolog 1 (E. coli)	Alkbh1	1.22	1.86	1.52	KO increases WT Response ≥1.5-fold
1422570_at	NM_009537	22632	YY1 transcription factor	Yy1	1.22	1.84	1.51	KO increases WT Response ≥1.5-fold
1438501_at	NM_009092	20068	Ribosomal protein S17	Rps17	1.20	2.05	1.71	KO increases WT Response ≥1.5-fold
1441604_at	NM_016903	13885	Esterase D/formylglutathione hydrolase	Esd	1.17	1.73	1.48	KO and Not WT Responder
1454780_at	NM_173739	233733	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Gainf4	1.11	1.62	1.46	KO and Not WT Responder
1454967_at	---	---	Transcribed locus	---	1.11	-1.52	-1.37	KO and Not WT Responder
1437318_at	NM_008778	18481	p21 (CDKN1A)-activated kinase 3	PaK3	1.08	1.92	1.78	KO and Not WT Responder
1423846_x_at	NM_011654	22143	tubulin, alpha 2	Tuba2	1.08	1.75	1.62	KO and Not WT Responder
1436158_at	NM_010124	13688	eukaryotic translation initiation factor 4E binding protein 2	Eif4ebp2	1.08	1.68	1.56	KO and Not WT Responder
1439486_at	---	---	Transcribed locus	---	1.08	1.67	1.55	KO and Not WT Responder
1449550_at	NM_008659	17913	myosin IC	Myo1c	1.06	1.56	1.47	KO and Not WT Responder
1456528_at	---	---	Transcribed locus, weakly similar to NP_665733.1 Lipogelin [Rattus norvegicus]	---	1.06	-1.75	-1.65	KO and Not WT Responder
1429639_at	27096 // NM_0	74182	preimplantation protein 4	Prel4	-1.26	-2.15	1.71	KO increases WT Response ≥1.5-fold
1433827_at	1038999 // NM	11980	ATPase, aminophospholipid transporter (APLT), class 1, type 8A, member 1	Atp8a1	-1.26	-1.96	1.56	KO increases WT Response ≥1.5-fold
1450004_at	NM_021367	53603	thymic stromal lymphopoietin	Tslp	-1.31	-1.96	1.50	KO increases WT Response ≥1.5-fold
1435292_at	// XM 919023 /	210789	TBC1 domain family, member 4	Tbc1d4	-1.33	-1.99	1.50	KO increases WT Response ≥1.5-fold
1442169_at	NM_013703	22359	very low density lipoprotein receptor	Vldlr	-1.36	-2.06	1.51	KO increases WT Response ≥1.5-fold
1452973_at	NM_175523	243382	protein phosphatase 1K (PP2C domain containing)	Ppm1k	-1.37	-2.29	1.67	KO increases WT Response ≥1.5-fold
1460332_at	NM_023129	18821	phospholamban	Pln	-1.38	-2.1	1.52	KO increases WT Response ≥1.5-fold
1418935_at	NM_009344	21924	pleckstrin homology-like domain, family A, member 1	Phlda1	-1.40	-2.31	1.65	KO increases WT Response ≥1.5-fold
1429083_at	23830 // XM 9	77559	amylase-1, beta-glucosidase, 4-alpha-glucanotransferase	Aat	-1.40	-2.2	1.57	KO increases WT Response ≥1.5-fold
1454647_at	NM_175324	102632	acyl-Coenzyme A dehydrogenase family, member 11	Acad11	-1.42	-2.18	1.54	KO increases WT Response ≥1.5-fold
1418314_a_at	21477 // NM 1	268859	ataxin 2 binding protein 1	A2bp1	-1.44	-2.49	1.73	KO increases WT Response ≥1.5-fold
1415854_at	NM_013598	17311	kit ligand	Kitl	-1.45	-2.27	1.57	KO increases WT Response ≥1.5-fold
1424178_at	NM_144534	74166	transmembrane protein 38a	Tmem38a	-1.49	-2.7	1.81	KO increases WT Response ≥1.5-fold
1449118_at	NM_010022	13171	dihydroliipoamide branched chain transacylase E2	Dbt	-1.50	-2.28	1.52	KO increases WT Response ≥1.5-fold
1418589_a_at	1039543 // NM	17349	myeloid leukemia factor 1	Mif1	-1.55	-2.47	1.59	KO increases WT Response ≥1.5-fold
1455301_at	XM_620310	330319	expressed sequence BQ952480	BQ952480	-1.56	-2.83	1.81	KO increases WT Response ≥1.5-fold
1418944_at	NM_021476	58861	cysteine leukotriene receptor 1	Cysl1r	-1.56	-2.63	1.69	KO increases WT Response ≥1.5-fold
1448557_at	NM_024244	71721	RIKEN cDNA 1200015N20 gene	1200015N20Rik	-1.57	-3.04	1.94	KO increases WT Response ≥1.5-fold
1460281_at	NM_080847	78910	ankyrin repeat and SOCS box-containing protein 15	Asb15	-1.57	-2.77	1.76	KO increases WT Response ≥1.5-fold
1441389_at	---	---	Transcribed locus	---	-1.57	-2.35	1.50	KO increases WT Response ≥1.5-fold
1452179_at	NM_172303	269424	PHD finger protein 17	Phf17	-1.59	-2.51	1.58	KO increases WT Response ≥1.5-fold
1454855_at	// XM 001000	50791	membrane associated guanlylate kinase, WW and PDZ domain containing 2	Maq12	-1.59	-2.82	1.52	KO increases WT Response ≥1.5-fold
1454350_at	NM_175515	380614	PDZ domain containing 6	Pdzd6	-1.61	-2.47	1.78	KO increases WT Response ≥1.5-fold
1429228_at	NM_181815	75216	RIKEN cDNA 4930534B04 gene	4930534B04Rik	-1.64	-2.95	1.80	KO increases WT Response ≥1.5-fold
1450710_at	NM_021878	16468	jumonji, AT rich interactive domain 2	Jarid2	-1.64	-2.58	1.57	KO increases WT Response ≥1.5-fold
1432944_at	---	73027	RIKEN cDNA 2900046L07 gene	2900046L07Rik	-1.65	-3.48	2.11	KO increases WT Response ≥1.5-fold
1438724_at	NM_027881	71720	oxysterol binding protein-like 3	Osbpl3	-1.67	-2.75	1.65	KO increases WT Response ≥1.5-fold
1449466_at	NM_011606	21922	C-type lectin domain family 3, member b	Clec3b	-1.67	-2.52	1.51	KO increases WT Response ≥1.5-fold
1428996_at	NM_00102400K	382051	RIKEN cDNA 4833426J09 gene	4833426J09Rik	-1.68	-2.98	1.77	KO increases WT Response ≥1.5-fold
1449893_at	NM_008584	19007	neogenin	Neo1	-1.68	-2.68	1.68	KO increases WT Response ≥1.5-fold
1415959_at	NM_009204	20528	solute carrier family 2 (facilitated glucose transporter), member 4	Slc2a4	-1.70	-3.29	1.84	KO increases WT Response ≥1.5-fold
1443406_at	NM_178711	235527	phospholipid scramblase 4	Plscr4	-1.70	-3.1	1.92	KO increases WT Response ≥1.5-fold
1457066_at	NM_011510	20927	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	Abcc8	-1.70	-2.99	1.76	KO increases WT Response ≥1.5-fold
1455244_at	26102 // NM 1	208846	dishevelled associated activator of morphogenesis 1	Daam1	-1.71	-2.61	1.53	KO increases WT Response ≥1.5-fold
1455091_at	13 // XM_9201	235542	RIKEN cDNA 3222402P14 gene	3222402P14Rik	-1.72	-2.65	1.54	KO increases WT Response ≥1.5-fold
1443932_at	NM_178253	271005	kelch domain containing 1	Klhdc1	-1.75	-3.23	1.85	KO increases WT Response ≥1.5-fold
1449407_at	NM_009879	12589	intraflagellar transport 81 homolog (Chlamydomonas)	Ifit81	-1.75	-3.17	1.81	KO increases WT Response ≥1.5-fold
1425344_at	NM_026272	67608	nuclear prelamin A recognition factor	Narf	-1.75	-2.69	1.54	KO increases WT Response ≥1.5-fold
1425342_a_at	NM_010608	16527	potassium channel, subfamily K, member 3	Kcnk3	-1.77	-3.1	1.75	KO increases WT Response ≥1.5-fold
1422927_at	NM_023784	75581	Yip1 domain family, member 7	Yip7	-1.77	-2.78	1.57	KO increases WT Response ≥1.5-fold
1421966_at	NM_008173	14815	nuclear receptor subfamily 3, group C, member 1	Nr3c1	-1.79	-2.74	1.53	KO increases WT Response ≥1.5-fold
1424869_at	NM_026752	68520	zinc finger, FYVE domain containing 21	Zfyve21	-1.82	-3.57	1.96	KO increases WT Response ≥1.5-fold
1460662_at	NM_011067	18628	period homolog 3 (Drosophila)	Per3	-1.82	-2.93	1.61	KO increases WT Response ≥1.5-fold
1424670_s_at	NM_026752	68520	zinc finger, FYVE domain containing 21	Zfyve21	-1.82	-2.81	1.54	KO increases WT Response ≥1.5-fold
1451606_at	NM_177039	319942	RIKEN cDNA A530016L24 gene	A530016L24Rik	-1.82	-2.78	1.53	KO increases WT Response ≥1.5-fold
1425870_a_at	// NM 145703 /	80906	Kv channel-interacting protein 2	Kcnip2	-1.84	-4.63	2.52	KO increases WT Response ≥1.5-fold
1429918_at	NM_175535	244867	Rho GTPase activating protein 20	Arhgap20	-1.84	-3.81	2.07	KO increases WT Response ≥1.5-fold
1419286_s_at	NM_009879	12589	intraflagellar transport 81 homolog (Chlamydomonas)	Ifit81	-1.84	-3.39	1.84	KO increases WT Response ≥1.5-fold
1458040_at	---	28017	DNA segment, Chr 7, Wayne State University 130, expressed	D7Wsu130e	-1.86	-3.86	2.08	KO increases WT Response ≥1.5-fold
1421471_at	NM_010934	18166	neuroepitide Y receptor Y1	Npy1r	-1.86	-2.9	1.56	KO increases WT Response ≥1.5-fold
1457354_at	NM_172946	268481	RIKEN cDNA 6330509G02 gene	6330509G02Rik	-1.86	-2.89	1.52	KO increases WT Response ≥1.5-fold
1427213_at	NM_008824	18639	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1	Pfkfb1	-1.86	-3.18	1.66	KO increases WT Response ≥1.5-fold
1434581_at	---	---	---	---	-1.92	-3.13	1.63	KO increases WT Response ≥1.5-fold
1457177_at	NM_013646	19883	RAR-related orphan receptor alpha	Rora	-1.92	-3.04	1.58	KO increases WT Response ≥1.5-fold
1419417_at	NM_009506	22341	vascular endothelial growth factor C	Vegfc	-1.93	-3.19	1.65	KO increases WT Response ≥1.5-fold
1451119_a_at	NM_010180	14114	fibulin 1	Fbln1	-1.94	-2.91	1.50	KO increases WT Response ≥1.5-fold
1438201_at	NM_00103345C	381511	protein phosphatase 2C, magnesium dependent, catalytic subunit	Ppm2c	-1.98	-3.24	1.64	KO increases WT Response ≥1.5-fold
1452431_s_at	10378 // NM_0	14960 // 14968	histocompatibility 2, class II antigen A, alpha // histocompatibility 2, class II antigen E, alpha	H2-Aa // H2-Ea	-1.99	-3.03	1.52	KO increases WT Response ≥1.5-fold
1449547_at	NM_080856	142687	ankyrin repeat and SOCS box-containing protein 14	Asb14	-2.06	-4.04	1.96	KO increases WT Response ≥1.5-fold
1444153_at	---	---	16 days neonate heart cDNA, RIKEN full-length enriched library, clone:D830033B01 product:unclassifiable, full insert sequence	---	-2.07	-3.84	1.86	KO increases WT Response ≥1.5-fold
1435911_s_at	NM_178934	353169	solute carrier family 2 (facilitated glucose transporter), member 12	Slc2a12	-2.09	-4.08	1.95	KO increases WT Response ≥1.5-fold
1422438_at	NM_010145	13849	epoxide hydrolase 1, microsomal	Ephx1	-2.10	-4.26	2.03	KO increases WT Response ≥1.5-fold
1450967_at	NM_025760	66775	protein tyrosine phosphatase-like A domain containing 2	Ptldad2	-2.10	-3.29	1.57	KO increases WT Response ≥1.5-fold
1449884_at	NM_026626	68226	EF-hand calcium binding domain 2	Efcab2	-2.11	-3.65	1.73	KO increases WT Response ≥1.5-fold
1453552_at	---	69631	RIKEN cDNA 2310014F07 gene	2310014F07Rik	-2.14	-4.4	2.06	KO increases WT Response ≥1.5-fold
1427546_at	NM_013851	27404	ATP-binding cassette, sub-family A (ABC1), member 8b	Abca8b	-2.15	-3.76	1.75	KO increases WT Response ≥1.5-fold
1440635_at	// XM 974432 /	72333	palladin, cytoskeletal associated protein	Pallid	-2.16	-3.64	1.69	KO increases WT Response ≥1.5-fold
1443824_s_at	NM_053070	12354	carbonic anhydrase 7	Car7	-2.20	-3.29	1.50	KO increases WT Response ≥1.5-fold
1453135_at	NM_027402	384061	fibronectin type III domain containing 5	Fndc5	-2.28	-3.92	1.72	KO increases WT Response ≥1.5-fold
1435605_at	NM_00100436E	242894	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	-2.30	-3.93	1.71	KO increases WT Response ≥1.5-fold
1456395_at	NM_008904	19017	peroxisome proliferative activated receptor, gamma, coactivator 1 alpha	Ppargc1a	-2.32	-3.83	1.65	KO increases WT Response ≥1.5-fold
1435194_at	---	---	---	---	-2.36	-3.7	1.57	KO increases WT Response ≥1.5-fold
1417673_at	NM_016719	50915	growth factor receptor bound protein 14	Grb14	-2.37	-3.59	1.51	KO increases WT Response ≥1.5-fold

1460003_at	---	99132	expressed sequence AI956758	AI956758	-2.40	-3.65	1.52	KO Increases WT Response ≥1.5-fold
1436275_at	---	---	---	---	-2.43	-4.55	1.87	KO Increases WT Response ≥1.5-fold
1422983_at	NM_021359	16420	integrin beta 6	Itgb6	-2.44	-3.98	1.63	KO Increases WT Response ≥1.5-fold
1434237_at	NM_175309	100647	uroplakin 3B	Upk3b	-2.46	-4.83	1.96	KO Increases WT Response ≥1.5-fold
1434735_at	NM_172563	217082	hepatic leukemia factor	Hlf	-2.48	-4.57	1.84	KO Increases WT Response ≥1.5-fold
1418311_at	I038699 // NM	63828	fructosamine 3 kinase	Fn3k	-2.48	-4.28	1.73	KO Increases WT Response ≥1.5-fold
1425631_at	NM_016854	53412	protein phosphatase 1, regulatory (inhibitor) subunit 3C	Ppp1r3c	-2.49	-3.84	1.54	KO Increases WT Response ≥1.5-fold
1421087_at	NM_011067	18628	period homolog 3 (Drosophila)	Per3	-2.56	-4.28	1.67	KO Increases WT Response ≥1.5-fold
1428812_at	NM_028491	73287	RIKEN cDNA 1700040L02 gene	1700040L02Rik	-2.59	-4.17	1.61	KO Increases WT Response ≥1.5-fold
1449469_at	NM_016927	53871	polycystic kidney disease 2-like 2	Pkd2l2	-2.60	-5.43	2.09	KO Increases WT Response ≥1.5-fold
1432107_at	NM_183283	69576	RIKEN cDNA 2310010M20 gene	2310010M20Rik	-2.62	-4.24	1.62	KO Increases WT Response ≥1.5-fold
1451527_at	NM_023620	76477	procollagen C-endopeptidase enhancer 2	Pcolce2	-2.63	-4.24	1.61	KO Increases WT Response ≥1.5-fold
1452249_at	NM_001033217	106042	prickle like 1 (Drosophila)	Prickle1	-2.64	-4.01	1.52	KO Increases WT Response ≥1.5-fold
1440739_at	NM_009506	22341	vascular endothelial growth factor C	Vefc	-2.69	-4.17	1.55	KO Increases WT Response ≥1.5-fold
1447174_at	I038610 // NM	13134	Dachshund 1 (Drosophila)	Dach1	-2.69	-4.06	1.51	KO Increases WT Response ≥1.5-fold
1439836_at	NM_080847	78910	ankyrin repeat and SOCS box-containing protein 15	Asb15	-2.82	-8.15	2.89	KO Increases WT Response ≥1.5-fold
1453839_a_at	NM_023734	74116	peptidase inhibitor 16	Pi16	-2.92	-4.5	1.54	KO Increases WT Response ≥1.5-fold
1455090_at	---	---	---	---	-2.98	-4.77	1.60	KO Increases WT Response ≥1.5-fold
1425753_a_at	I040691 // NM	22256	uracil DNA glycosylase	Unq	-3.08	-5.29	1.72	KO Increases WT Response ≥1.5-fold
1430269_at	NM_026831	68753	RIKEN cDNA 1110037P11 gene	1110037P11Rik	-3.13	-5.1	1.63	KO Increases WT Response ≥1.5-fold
1428758_at	NM_028436	67893	transmembrane protein 86A	Tmem86a	-3.19	-5.39	1.69	KO Increases WT Response ≥1.5-fold
1453924_a_at	NM_008966	19220	prostaglandin F receptor	Ptatr	-3.22	-5.18	1.61	KO Increases WT Response ≥1.5-fold
1421928_at	NM_007936	13838	Eph receptor A4	Epha4	-3.27	-5.02	1.54	KO Increases WT Response ≥1.5-fold
1450065_at	---	---	---	---	-3.36	-5.86	1.74	KO Increases WT Response ≥1.5-fold
1444025_at	---	---	---	---	-3.40	-5.35	1.57	KO Increases WT Response ≥1.5-fold
1456741_s_at	NM_153581	234267	qlvcoo protein m6a	Gpm6a	-3.53	-6.03	1.71	KO Increases WT Response ≥1.5-fold
1438211_s_at	NM_016974	13170	D site albumin promoter binding protein	Dbp	-3.54	-7.25	2.05	KO Increases WT Response ≥1.5-fold
1418174_at	NM_016974	13170	D site albumin promoter binding protein	Dbp	-3.56	-7.96	2.24	KO Increases WT Response ≥1.5-fold
1423085_at	NM_007911	13643	ephrin B3	Efnb3	-3.61	-5.53	1.53	KO Increases WT Response ≥1.5-fold
1445764_at	---	---	PREDICTED: Mus musculus hypothetical protein LOC628151 (LOC628151), mRNA	---	-3.69	-6.94	1.88	KO Increases WT Response ≥1.5-fold
1443866_at	NM_176920	319476	leucine-rich repeats and transmembrane domains 1	Lrtm1	-4.18	-7.77	1.86	KO Increases WT Response ≥1.5-fold
1429021_at	NM_007936	13838	Eph receptor A4	Epha4	-4.42	-8.46	1.91	KO Increases WT Response ≥1.5-fold
1439658_at	// XM_916258 //	320502	leiomodin 3 (fetal)	Lmod3	-5.08	-8.68	1.91	KO Increases WT Response ≥1.5-fold
1444429_at	NM_176920	319476	leucine-rich repeats and transmembrane domains 1	Lrtm1	-5.61	-8.91	1.53	KO Increases WT Response ≥1.5-fold
1446771_at	---	---	---	---	-6.42	-10.41	1.62	KO Increases WT Response ≥1.5-fold
1418697_at	NM_009349	21743	indolethylamine N-methyltransferase	Inmt	-6.77	-11.98	1.77	KO Increases WT Response ≥1.5-fold
1458345_s_at	NM_027866	71693	collectin sub-family member 11	Colec11	-7.96	-18.35	2.31	KO Increases WT Response ≥1.5-fold
1442033_at	NM_183175	239126	C1q and tumor necrosis factor related protein 9	C1qtnf9	-8.25	-14.2	1.72	KO Increases WT Response ≥1.5-fold

TABLE S11 Cardiac toxicological functions for LPS responsive genes modified by ≥ 1.5 -fold (induction or repression) by A_{2A}R KO

Category	P-value	Genes
Responses enhanced by A_{2A}R KO (countered by A_{2A}R activity)		
<i>Cardiac Dysfunction</i>	1.0E-04 - 1.0E-04	<i>Angptl4, Abcc8, Serpine1, Ppargc1a</i>
<i>Heart Failure</i>	5.6E-04 - 9.3E-02	<i>Ca7, Pln, Kcnk3, Ca4, Dicer1, Il6, Pde4b, Serpine1, Nr3c1, Ppargc1a</i>
<i>Cardiac Hypertrophy</i>	9.1E-04 - 4.0E-01	<i>Atf3, Pln, Pfkfb1, Pik3r1, Cdkn1a, Abcc8, Dnajc3, Il6, Csf3, Serpine1, Slc2a4, Ppargc1a</i>
<i>Tachycardia</i>	1.3E-03 - 4.5E-01	<i>Kitlg, Ca7, Ptgfr, Kcnk3, Ca4, Csf3</i>
<i>Cardiac Infarction</i>	1.5E-03 - 8.2E-03	<i>Kcnk3, Selp, Il6, Csf3, Serpine1, Itgb3</i>
<i>Cardiac Output</i>	6.0E-03 - 6.0E-03	<i>Kitlg, Csf3</i>
<i>Congestive Cardiac Failure</i>	1.8E-02 - 1.8E-02	<i>Kcnk3, Il6, Pde4b, Nr3c1</i>
<i>Cardiac Fibrosis</i>	2.2E-02 - 2.7E-01	<i>Pln, Atf3, Csf3, Serpine1</i>
<i>Cardiac Damage</i>	3.0E-02 - 1.8E-01	<i>Atf4, Serpine1</i>
<i>Cardiac Stenosis</i>	3.0E-02 - 1.3E-01	<i>Ldlr, Abcc8</i>
<i>Cardiac Arteriopathy</i>	4.5E-02 - 5.8E-02	<i>A2bp1, Il6, Nr3c1, Amotl1, Tuba8, Rin3, Arhgap20, Serpine1, Col4a1, Daam1, Qsox1, Mlf1, Pde4b, C10orf107, Tbc1d4, Itgb3, Ldlr, Selp, Fam13c, Gpm6a, Reg3g, Magi2, Osbpl3, Prickle1, Ppargc1a</i>
<i>Cardiac Necrosis/Cell Death</i>	4.8E-02 - 2.5E-01	<i>Cdkn1a, Il6, Csf3, Stat1, Ppargc1a</i>
<i>Cardiac Arrhythmia</i>	5.7E-02 - 4.0E-01	<i>Arntl, Kcnk3, Kcnip2</i>
<i>Cardiac Proliferation</i>	3.0E-01 - 3.0E-01	<i>Csf3</i>
<i>Cardiac Dilatation</i>	3.9E-01 - 3.9E-01	<i>Serpine1</i>
Responses inhibited by A_{2A}R KO (promoted by A_{2A}R activity)		
<i>Cardiac Damage</i>	1.2E-02 - 8.2E-02	<i>Hmox1, Adipoq</i>
<i>Cardiac Proliferation</i>	1.3E-02 - 1.3E-02	<i>Adipoq</i>
<i>Heart Failure</i>	2.1E-02 - 3.3E-01	<i>Ca3, Cacna2d1</i>
<i>Cardiac Necrosis/Cell Death</i>	3.1E-02 - 8.8E-02	<i>Adipoq, Slc8a1</i>
<i>Cardiac Arrhythmia</i>	3.3E-02 - 3.3E-02	<i>Tbx3</i>
<i>Cardiac Infarction</i>	3.3E-02 - 3.3E-02	<i>Adipoq</i>
<i>Cardiac Hypertrophy</i>	8.8E-02 - 4.5E-01	<i>Hmox1, Hck, Fbxo32</i>
<i>Cardiac Dilatation</i>	1.1E-01 - 1.1E-01	<i>Sdc1</i>
<i>Cardiac Arteriopathy</i>	1.6E-01 - 1.6E-01	<i>Iqgap2, Shroom3, Sema5a, Cacna2d1, Adipoq, Hivep3, Reln, Nsmce1, Msi2, Plxdc2</i>
<i>Cardiac Stenosis</i>	2.4E-01 - 2.4E-01	<i>Vcam1</i>
<i>Tachycardia</i>	4.8E-01 - 4.8E-01	<i>Ca3</i>

Toxicological functional groupings of LPS-responsive cardiac transcripts modified by A_{2A}R KO (enhanced or repressed) by a factor of ≥ 1.5 -fold. Groups derived from IPA analysis are ranked according to P-value ranges determined by a Fisher's Exact Test.