

Supplementary Table 4. Genes differentially expressed in the dentate gyrus of Shn-2 KO mice.

Symbol	Description	Probe ID	Fold Change	P value	Rank
Tdo2	tryptophan 2,3-dioxygenase	1419093_at	-13.69	3.60E-06	1
Capn3	calpain 3	1426043_a_at	-8.22	3.90E-08	2
1441102_at		1441102_at	7.84	5.20E-06	3
Capn3	calpain 3	1433681_x_at	-6.74	1.20E-07	4
Rgs13	regulator of G-protein signaling 13	1442263_at	6.62	0.0010	5
Ifi205	interferon activated gene 205	1452348_s_at	6.28	6.50E-07	6
Wnk4	WNK lysine deficient protein kinase 4	1427196_at	5.82	6.60E-05	7
1426906_at		1426906_at	5.63	3.60E-07	8
Gpr115	G protein-coupled receptor 115	1429460_at	5.50	0.0005	9
Calb1	calbindin 1	1448738_at	-5.36	0.0010	10
Acvr1c	activin A receptor, type IC	1443225_at	5.30	8.00E-10	11
Mm.132167		1460043_at	-5.25	0.0004	12
Fxyd7	FXFD domain-containing ion transport regulator 7	1419200_at	5.23	0.0001	13
Prlr	prolactin receptor	1437397_at	5.22	3.70E-05	14
Batf3	basic leucine zipper transcription factor, ATF-like 3	1453076_at	5.16	0.0037	15
1456934_at		1456934_at	-5.13	0.0003	16
Ifi205	interferon activated gene 205	1452231_x_at	5.09	1.30E-06	17
Ntf3	neurotrophin 3	1434802_s_at	-4.91	0.0149	18
1438309_at		1438309_at	4.73	1.30E-09	19
Pcdh21	protocadherin 21	1418304_at	-4.72	0.0001	20
Gfra2	glial cell line derived neurotrophic factor family receptor alpha 2	1433716_x_at	-4.64	4.30E-05	21
1458836_at		1458836_at	-4.61	0.0003	22
Zcchc5	zinc finger, CCHC domain containing 5	1437355_at	-4.56	7.00E-05	23
6130401L20Rik	RIKEN cDNA 6130401L20 gene	1459246_at	-4.53	8.30E-06	24
Ryr1	ryanodine receptor 1, skeletal muscle	1427306_at	-4.48	8.20E-06	25

1449337_at		1449337_at	-4.44	1.60E-08	26
Aldh1a3	aldehyde dehydrogenase family 1, subfamily A3	1448789_at	4.35	0.0003	27
1457558_at		1457558_at	-4.35	1.30E-05	28
Gpr12	G-protein coupled receptor 12	1457702_at	-4.19	0.0005	29
Ifi203	interferon activated gene 203	1448775_at	4.16	3.40E-05	30
1442613_at		1442613_at	-4.11	2.40E-05	31
Wnt9a	wingless-type MMTV integration site 9A	1436978_at	-4.11	0.0057	32
Fam160a1	family with sequence similarity 160, member A1	1437371_at	-4.10	1.80E-05	33
Tdo2	tryptophan 2,3-dioxygenase	1455770_at	-4.05	1.50E-07	34
Nhlh1	nescient helix loop helix 1	1419533_at	4.04	0.0183	35
Necab3	N-terminal EF-hand calcium binding protein 3	1431946_a_at	4.00	0.0008	36
Igsf1	immunoglobulin superfamily, member 1	1433652_at	-3.93	9.60E-06	37
Fbln2	fibulin 2	1423407_a_at	3.91	0.0122	38
Kcnf1	potassium voltage-gated channel, subfamily F, member 1	1454768_at	-3.85	0.0003	39
Gm4658	predicted gene 4658	1443888_at	-3.84	4.10E-08	40
Spon1	spondin 1, (f-spondin) extracellular matrix protein	1451342_at	-3.80	2.50E-06	41
Ogn	osteoglycin	1419663_at	-3.79	0.0013	42
1452107_s_at		1452107_s_at	-3.73	0.0032	43
Calb1	calbindin 1	1417504_at	-3.70	0.0004	44
Ntf3	neurotrophin 3	1450803_at	-3.69	0.0097	45
Mm.293522		1457729_at	-3.69	0.0004	46
Sulf1	sulfatase 1	1438200_at	3.66	0.0021	47
1424415_s_at		1424415_s_at	-3.60	8.10E-06	48
Nrxn3	neurexin III	1445217_at	3.60	2.10E-05	49
AW547468		1440657_at	-3.59	0.0004	50
1429313_at		1429313_at	-3.59	1.10E-08	51
1452106_at		1452106_at	-3.58	0.0023	52

Chst9	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	1431897_at	-3.56	0.0003	53
Grp	gastrin releasing peptide	1424525_at	3.56	0.0009	54
Nrxn3	neurexin III	1460101_at	3.51	8.00E-07	55
Tox3	TOX high mobility group box family member 3	1436600_at	-3.48	0.0004	56
Spink10	serine peptidase inhibitor, Kazal type 10	1438444_at	-3.44	1.20E-07	57
Pmepa1	prostate transmembrane protein, androgen induced 1	1422706_at	3.42	0.0053	58
Mm.91794		1443322_at	-3.41	0.0001	59
A930035E12Rik	RIKEN cDNA A930035E12 gene	1429906_at	3.40	1.60E-06	60
AK220484	cDNA sequence AK220484	1439341_at	-3.40	6.50E-05	61
Cntn3	contactin 3	1438628_x_at	-3.38	8.00E-07	62
Dsp	desmoplakin	1435493_at	-3.37	0.0060	63
Tgfa	transforming growth factor alpha	1421943_at	-3.37	1.40E-08	64
Dsp	desmoplakin	1435494_s_at	-3.36	0.0043	65
Pmepa1	prostate transmembrane protein, androgen induced 1	1422705_at	3.33	0.0037	66
A930041H05Rik	RIKEN cDNA A930041H05 gene	1442157_at	3.33	4.00E-06	67
Slc27a2	solute carrier family 27 (fatty acid transporter), member 2	1416316_at	-3.30	0.0001	68
Cpne9	copine family member IX	1454653_at	3.30	0.0016	69
Prlr	prolactin receptor	1448556_at	3.27	0.0001	70
Nrxn3	neurexin III	1432931_at	3.21	8.10E-07	71
Npy2r	neuropeptide Y receptor Y2	1417489_at	-3.21	0.0014	72
AU042950	expressed sequence AU042950	1458648_at	-3.17	7.40E-05	73
5930433N17Rik	RIKEN cDNA 5930433N17 gene	1440721_at	3.17	2.40E-06	74
Cst12	cystatin 12	1424627_at	3.13	0.0073	75
1436319_at		1436319_at	3.13	0.0029	76
Ryr1	ryanodine receptor 1, skeletal muscle	1457347_at	-3.13	2.80E-06	77
6330417G04Rik	RIKEN cDNA 6330417G04 gene	1440849_at	-3.12	8.70E-06	78
Klf10	Kruppel-like factor 10	1416029_at	3.09	0.0093	79

Clec1a	C-type lectin domain family 1, member a	1460039_at	-3.07	2.40E-06	80
A330050F15Rik	RIKEN cDNA A330050F15 gene	1441166_at	-3.07	3.10E-06	81
Pmepa1	prostate transmembrane protein, androgen induced 1	1452295_at	3.07	0.0017	82
Tagln	transgelin	1423505_at	3.06	0.0200	83
Gpr12	G-protein coupled receptor 12	1449472_at	-3.01	0.0007	84
Tesc	tescalcin	1418743_a_at	2.96	9.10E-08	85
Iyd	iodotyrosine deiodinase	1451547_at	-2.94	2.20E-07	86
Itga4	integrin alpha 4	1436037_at	-2.94	0.0003	87
Bcl6	B-cell leukemia/lymphoma 6	1421818_at	-2.94	5.60E-06	88
9030425E11Rik	RIKEN cDNA 9030425E11 gene	1448250_at	2.93	1.70E-05	89
Rspo3	R-spondin 3 homolog (Xenopus laevis)	1455607_at	-2.92	0.0004	90
Col3a1	collagen, type III, alpha 1	1427883_a_at	2.91	0.0205	91
Rgs2	regulator of G-protein signaling 2	1447830_s_at	2.90	0.0200	92
1448251_at		1448251_at	2.90	2.90E-06	93
Fat4	FAT tumor suppressor homolog 4 (Drosophila)	1460574_at	-2.89	0.0014	94
Necab3	N-terminal EF-hand calcium binding protein 3	1447907_x_at	2.87	0.0004	95
6130401L20Rik	RIKEN cDNA 6130401L20 gene	1430430_at	-2.86	1.10E-05	96
Fat4	FAT tumor suppressor homolog 4 (Drosophila)	1459749_s_at	-2.86	0.0025	97
Cnih3	cornichon homolog 3 (Drosophila)	1419517_at	-2.85	0.0115	98
Ifi203	interferon activated gene 203	1419858_at	2.84	0.0048	99
Tspan18	tetraspanin 18	1442174_at	-2.84	5.60E-05	100
Gfra2	glial cell line derived neurotrophic factor family receptor alpha 2	1459847_x_at	-2.84	0.0002	101
1429905_at		1429905_at	-2.84	0.0054	102
Ogn	osteoglycin	1419662_at	-2.83	0.0005	103
P2rx7	purinergic receptor P2X, ligand-gated ion channel, 7	1439787_at	2.83	0.0002	104
Trhr	thyrotropin releasing hormone receptor	1449571_at	-2.83	0.0015	105
Hrk	harakiri, BCL2 interacting protein (contains only BH3 domain)	1439854_at	-2.82	0.0010	106

Rasgrp1	RAS guanyl releasing protein 1	1431749_a_at	2.81	0.0009	107
1438375_at		1438375_at	2.80	0.0179	108
Arl4d	ADP-ribosylation factor-like 4D	1418250_at	2.80	0.0474	109
Col22a1	collagen, type XXII, alpha 1	1453084_s_at	-2.78	5.50E-06	110
Ctgf	connective tissue growth factor	1416953_at	2.77	0.0262	111
Gfap	glial fibrillary acidic protein	1426509_s_at	2.75	0.0126	112
BI076661		1443253_at	-2.74	3.10E-05	113
Gfap	glial fibrillary acidic protein	1426508_at	2.72	0.0150	114
H2-Aa	histocompatibility 2, class II antigen A, alpha	1435290_x_at	2.71	0.0026	115
Rreb1	ras responsive element binding protein 1	1428657_at	-2.70	1.20E-05	116
Parp8	poly (ADP-ribose) polymerase family, member 8	1451474_a_at	2.70	2.00E-05	117
Gsg1l	GSG1-like	1436013_at	2.68	0.0020	118
Grb14	growth factor receptor bound protein 14	1417673_at	-2.68	0.0009	119
Fmod	fibromodulin	1456084_x_at	2.68	0.0160	120
Rgs2	regulator of G-protein signaling 2	1419247_at	2.67	0.0137	121
Tesc	tescalcin	1418744_s_at	2.67	4.80E-08	122
Tmsb10	thymosin, beta 10	1417219_s_at	2.66	1.10E-06	123
Tmsb10	thymosin, beta 10	1436902_x_at	2.64	1.50E-07	124
Vwf	Von Willebrand factor homolog	1435386_at	2.63	0.0077	125
Frmd4b	FERM domain containing 4B	1452123_s_at	-2.63	0.0014	126
Orc4l	origin recognition complex, subunit 4-like ( <i>S. cerevisiae</i> )	1439643_at	-2.62	7.70E-05	127
Pla2g4e	phospholipase A2, group IVE	1429862_at	-2.62	0.0001	128
Stc1	stanniocalcin 1	1450448_at	-2.62	0.0001	129
Htr1a	5-hydroxytryptamine (serotonin) receptor 1A	1438710_at	-2.62	2.20E-07	130
Clec1a	C-type lectin domain family 1, member a	1456318_at	-2.61	3.20E-07	131
Pip5k1b	phosphatidylinositol-4-phosphate 5-kinase, type 1 beta	1450389_s_at	-2.61	0.0005	132
Gprc5c	G protein-coupled receptor, family C, group 5, member C	1452947_at	2.61	0.0055	133

Unc5d	unc-5 homolog D (C. elegans)	1440484_at	2.61	9.20E-05	134
1441823_at		1441823_at	2.58	0.0018	135
Gal	galanin	1460668_at	2.58	0.0369	136
Ccdc88c	coiled-coil domain containing 88C	1427138_at	2.57	0.0036	137
Rgs2	regulator of G-protein signaling 2	1419248_at	2.56	0.0142	138
Frmd4b	FERM domain containing 4B	1438169_a_at	-2.56	0.0046	139
Cdkn1a	cyclin-dependent kinase inhibitor 1A (P21)	1421679_a_at	2.54	0.0254	140
Fam129b	family with sequence similarity 129, member B	1426812_a_at	2.53	0.0010	141
Il20rb	interleukin 20 receptor beta	1437876_at	-2.53	0.0045	142
Rasgrp1	RAS guanyl releasing protein 1	1450143_at	2.49	0.0027	143
Gstm7	glutathione S-transferase, mu 7	1419072_at	-2.49	0.0002	144
1435311_s_at		1435311_s_at	2.48	1.20E-05	145
4930578M01Rik	RIKEN cDNA 4930578M01 gene	1456421_at	-2.48	9.30E-05	146
Pdzrn4	PDZ domain containing RING finger 4	1456512_at	-2.48	3.70E-07	147
Cdkn1a	cyclin-dependent kinase inhibitor 1A (P21)	1424638_at	2.48	0.0147	148
Cd83	CD83 antigen	1416111_at	-2.47	2.90E-05	149
Rwdd3	RWD domain containing 3	1430167_a_at	-2.47	1.00E-06	150
Pip5k1b	phosphatidylinositol-4-phosphate 5-kinase, type 1 beta	1421834_at	-2.47	0.0006	151
Itga4	integrin alpha 4	1456498_at	-2.46	8.10E-05	152
1435771_at		1435771_at	2.46	0.0014	153
Lhx9	LIM homeobox protein 9	1441313_x_at	-2.46	0.0010	154
Ifi203	interferon activated gene 203	1451567_a_at	2.46	4.10E-06	155
C4b	complement component 4B (Childo blood group)	1418021_at	2.46	0.0028	156
Ahcy12	S-adenosylhomocysteine hydrolase-like 2	1443468_at	-2.45	0.0011	157
6030442H21Rik	RIKEN cDNA 6030442H21 gene	1432746_at	-2.45	1.90E-06	158
Spata13	spermatogenesis associated 13	1437865_at	2.44	0.0018	159
Matn2	matrilin 2	1419442_at	-2.44	0.0072	160

Ap1s3	adaptor-related protein complex AP-1, sigma 3	1455735_at	-2.44	1.40E-06	161
Nrxn3	neurexin III	1457212_at	2.44	2.70E-06	162
Grik3	glutamate receptor, ionotropic, kainate 3	1440177_at	-2.43	0.0157	163
Slc39a6	solute carrier family 39 (metal ion transporter), member 6	1424674_at	-2.43	1.40E-09	164
Ccbe1	collagen and calcium binding EGF domains 1	1440053_at	-2.42	6.90E-07	165
Fst	follistatin	1434458_at	-2.42	0.0016	166
Ccbe1	collagen and calcium binding EGF domains 1	1437385_at	-2.42	5.20E-07	167
1455179_at		1455179_at	2.42	0.0215	168
Slc39a6	solute carrier family 39 (metal ion transporter), member 6	1441949_x_at	-2.41	1.20E-05	169
Scn9a	sodium channel, voltage-gated, type IX, alpha	1442810_x_at	-2.40	0.0013	170
Tgfb3	transforming growth factor, beta 3	1417455_at	2.40	0.0048	171
Pik3r1	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p8	1425514_at	2.40	0.0085	172
Gm715	predicted gene 715	1445503_at	2.39	0.0029	173
Sv2c	synaptic vesicle glycoprotein 2c	1453715_at	2.39	0.0001	174
BG061080		1453841_at	2.39	3.40E-05	175
AW551984	expressed sequence AW551984	1433434_at	2.39	0.0116	176
Slc39a6	solute carrier family 39 (metal ion transporter), member 6	1424675_at	-2.39	3.90E-05	177
Il16	interleukin 16	1448686_at	-2.38	0.0008	178
Ror1	receptor tyrosine kinase-like orphan receptor 1	1442067_at	-2.38	5.00E-05	179
Pcolce	procollagen C-endopeptidase enhancer protein	1437165_a_at	2.38	0.0129	180
1439665_at		1439665_at	-2.37	3.20E-05	181
Mgp	matrix Gla protein	1448416_at	2.37	0.0055	182
Matn2	matrilin 2	1455978_a_at	-2.37	0.0030	183
Col27a1	collagen, type XXVII, alpha 1	1429549_at	2.36	0.0096	184
Col27a1	collagen, type XXVII, alpha 1	1453191_at	2.36	0.0091	185
Tmsb10	thymosin, beta 10	1437185_s_at	2.35	6.50E-08	186
Cp	ceruloplasmin	1448734_at	2.35	0.0044	187

Plcb4	phospholipase C, beta 4	1425338_at	2.35	0.0014	188
Acvr1c	activin A receptor, type IC	1428032_at	2.35	1.80E-05	189
Ddit4l	DNA-damage-inducible transcript 4-like	1439332_at	-2.34	1.60E-06	190
Rreb1	ras responsive element binding protein 1	1438216_at	-2.34	4.30E-05	191
1436329_at		1436329_at	2.33	0.0006	192
Gng4	guanine nucleotide binding protein (G protein), gamma 4	1447669_s_at	-2.32	0.0027	193
Pip5k1b	phosphatidylinositol-4-phosphate 5-kinase, type 1 beta	1421833_at	-2.32	0.0004	194
Nid1	nidogen 1	1416808_at	2.30	0.0081	195
Wisp1	WNT1 inducible signaling pathway protein 1	1448594_at	2.29	0.0218	196
1421595_at		1421595_at	-2.29	0.0018	197
Bcl6	B-cell leukemia/lymphoma 6	1450381_a_at	-2.28	3.30E-06	198
Stard13	StAR-related lipid transfer (START) domain containing 13	1452604_at	-2.28	1.10E-06	199
Spata13	spermatogenesis associated 13	1454656_at	2.28	0.0019	200
Ccnd1	cyclin D1	1417419_at	2.28	6.50E-05	201
Rwdd3	RWD domain containing 3	1451809_s_at	-2.27	1.10E-05	202
Crym	crystallin, mu	1416776_at	-2.27	0.0067	203
Acvr1	activin A receptor, type 1	1448460_at	2.26	0.0027	204
Ddit4l	DNA-damage-inducible transcript 4-like	1444139_at	-2.26	5.30E-07	205
Il16	interleukin 16	1417391_a_at	-2.24	0.0001	206
Fndc1	fibronectin type III domain containing 1	1453321_at	-2.24	0.0029	207
Acvr1	activin A receptor, type 1	1416786_at	2.24	0.0122	208
1437382_at		1437382_at	-2.24	6.50E-05	209
Lhx9	LIM homeobox protein 9	1419324_at	-2.24	0.0065	210
Fxyd5	FXDY domain-containing ion transport regulator 5	1418296_at	2.24	0.0030	211
Itga8	integrin alpha 8	1454966_at	-2.24	0.0072	212
Aff3	AF4/FMR2 family, member 3	1441172_at	2.24	0.0003	213
Col1a2	collagen, type I, alpha 2	1450857_a_at	2.24	0.0114	214



Rasgrp1	RAS guanyl releasing protein 1	1421176_at	2.23	0.0099	215
Pnck	pregnancy upregulated non-ubiquitously expressed CaM kinase	1422711_a_at	-2.23	0.0081	216
Lrrc6	leucine rich repeat containing 6 (testis)	1420660_at	2.23	2.90E-05	217
Aplnr	apelin receptor	1438651_a_at	2.22	0.0229	218
ENSMUSG0000006	predicted gene, ENSMUSG00000068790	1452731_x_at	-2.22	3.80E-07	219
Dusp14	dual specificity phosphatase 14	1431422_a_at	2.22	0.0251	220
1443187_at		1443187_at	-2.21	0.0002	221
Spp1	secreted phosphoprotein 1	1449254_at	2.21	0.0465	222
Kcnk2	potassium channel, subfamily K, member 2	1449158_at	-2.21	0.0010	223
AI663975	expressed sequence AI663975	1440084_at	-2.21	0.0013	224
P2rx7	purinergic receptor P2X, ligand-gated ion channel, 7	1419853_a_at	2.21	0.0170	225
Mkx	mohawk homeobox	1437492_at	-2.21	0.0002	226
Slc4a4	solute carrier family 4 (anion exchanger), member 4	1421225_a_at	-2.20	2.00E-06	227
Pacsin2	protein kinase C and casein kinase substrate in neurons 2	1417810_a_at	-2.20	1.50E-05	228
Trdn	triadin	1451801_at	-2.20	9.90E-05	229
1435261_at		1435261_at	-2.20	0.0041	230
Epha10	Eph receptor A10	1436093_at	-2.20	0.0011	231
1435310_at		1435310_at	2.19	7.10E-06	232
Rbm24	RNA binding motif protein 24	1454752_at	-2.19	9.70E-05	233
B3galt5	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5	1428397_at	-2.19	0.0048	234
1456214_at		1456214_at	2.18	1.80E-05	235
Pmepa1	prostate transmembrane protein, androgen induced 1	1438783_at	2.18	0.0002	236
1460009_at		1460009_at	2.18	0.0098	237
EG240055	predicted gene, EG240055	1435564_at	-2.18	0.0017	238
Frzb	frizzled-related protein	1448424_at	-2.17	0.0009	239
1458240_at		1458240_at	-2.17	0.0008	240
Cp	ceruloplasmin	1455393_at	2.17	0.0146	241

Osmr	oncostatin M receptor	1418674_at	2.17	0.0334	242
Mn1	meningioma 1	1454867_at	-2.17	0.0345	243
Nrxn3	neurexin III	1438193_at	2.17	5.60E-05	244
Gda	guanine deaminase	1422868_s_at	-2.17	0.0063	245
Ccnd1	cyclin D1	1417420_at	2.16	1.40E-05	246
BB557941	expressed sequence BB557941	1443368_at	-2.16	4.40E-05	247
Cda	cytidine deaminase	1427357_at	2.16	0.0003	248
1440918_at		1440918_at	-2.16	0.0002	249
Gpr68	G protein-coupled receptor 68	1455000_at	2.15	0.0053	250
Rhoj	ras homolog gene family, member J	1418892_at	2.14	0.0201	251
Frmd4b	FERM domain containing 4B	1426594_at	-2.14	0.0008	252
Mm.385139		1440291_at	2.14	5.00E-06	253
Ccnd1	cyclin D1	1448698_at	2.14	5.70E-05	254
Igfbp5	insulin-like growth factor binding protein 5	1452114_s_at	-2.14	0.0023	255
Ecm2	extracellular matrix protein 2, female organ and adipocyte specific	1440096_at	-2.14	0.0498	256
ENSMUSG0000006	predicted gene, ENSMUSG00000068790	1428301_at	-2.14	1.40E-08	257
Pik3r1	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p8	1451737_at	2.13	0.0071	258
Trpm3	transient receptor potential cation channel, subfamily M, member 3	1445555_at	-2.13	0.0012	259
Lor	loricrin	1448745_s_at	-2.13	3.10E-05	260
Gdf10	growth differentiation factor 10	1424007_at	-2.13	0.0019	261
Fnip2	folliculin interacting protein 2	1439189_at	-2.12	0.0002	262
1110002E22Rik	RIKEN cDNA 1110002E22 gene	1447870_x_at	-2.12	0.0023	263
Cp	ceruloplasmin	1417494_a_at	2.12	0.0133	264
Vwa3b	von Willebrand factor A domain containing 3B	1453250_at	-2.12	3.80E-05	265
Grem2	gremlin 2 homolog, cysteine knot superfamily ( <i>Xenopus laevis</i> )	1418492_at	-2.11	8.10E-05	266
Parp3	poly (ADP-ribose) polymerase family, member 3	1451969_s_at	2.11	0.0208	267
Kcna5	potassium voltage-gated channel, shaker-related subfamily, memb	1417680_at	-2.10	0.0012	268

Anxa2	annexin A2	1419091_a_at	2.10	0.0273	269
Smpdl3b	sphingomyelin phosphodiesterase, acid-like 3B	1417300_at	-2.10	0.0002	270
Mm.326876		1442556_at	-2.10	0.0106	271
1455137_at		1455137_at	-2.10	8.30E-05	272
Glra2	glycine receptor, alpha 2 subunit	1434098_at	-2.09	2.90E-05	273
1437442_at		1437442_at	2.09	1.80E-05	274
Aldh1a2	aldehyde dehydrogenase family 1, subfamily A2	1422789_at	2.09	0.0118	275
Rasgrp1	RAS guanyl releasing protein 1	1434295_at	2.09	0.0022	276
Cebpb	CCAAT/enhancer binding protein (C/EBP), beta	1418901_at	2.09	0.0005	277
Rfx3	regulatory factor X, 3 (influences HLA class II expression)	1441702_at	-2.09	0.0024	278
Trpm3	transient receptor potential cation channel, subfamily M, member 3	1430268_at	-2.08	0.0011	279
Ddit4l	DNA-damage-inducible transcript 4-like	1451751_at	-2.08	5.50E-05	280
Cebpb	CCAAT/enhancer binding protein (C/EBP), beta	1427844_a_at	2.08	0.0016	281
2900017F05Rik	RIKEN cDNA 2900017F05 gene	1430096_at	-2.07	1.30E-05	282
Mm.313328		1443157_at	-2.07	4.20E-05	283
Gda	guanine deaminase	1435748_at	-2.07	0.0067	284
1453424_at		1453424_at	-2.07	0.0092	285
Fbxo7	F-box protein 7	1443006_at	2.07	0.0011	286
1447040_at		1447040_at	-2.07	9.70E-05	287
1456923_at		1456923_at	-2.07	7.00E-05	288
Glis3	GLIS family zinc finger 3	1430353_at	-2.07	0.0047	289
Zbtb16	zinc finger and BTB domain containing 16	1459557_at	-2.06	0.0188	290
Socs2	suppressor of cytokine signaling 2	1449109_at	2.06	0.0015	291
D16Ert472e	DNA segment, Chr 16, ERATO Doi 472, expressed	1429897_a_at	-2.06	0.0364	292
Rapgef5	Rap guanine nucleotide exchange factor (GEF) 5	1455840_at	-2.05	0.0002	293
Mycn	v-myc myelocytomatosis viral related oncogene, neuroblastoma de	1417155_at	-2.05	0.0070	294
Onecut2	one cut domain, family member 2	1444980_at	-2.05	0.0006	295

Lmna	lamin A	1457670_s_at	2.05	0.0056	296
1436125_at		1436125_at	-2.05	0.0413	297
4933427G17Rik	RIKEN cDNA 4933427G17 gene	1431905_s_at	-2.05	0.0079	298
1456137_at		1456137_at	2.05	7.10E-05	299
Rgnef	Rho-guanine nucleotide exchange factor	1419457_at	-2.05	0.0007	300
Arsj	arylsulfatase J	1457827_at	2.05	0.0148	301
Ifitm3	interferon induced transmembrane protein 3	1423754_at	2.04	0.0134	302
2610027H17Rik	RIKEN cDNA 2610027H17 gene	1442445_at	-2.04	0.0074	303
Ier5	immediate early response 5	1417612_at	2.04	0.0201	304
Homer2	homer homolog 2 (Drosophila)	1424367_a_at	-2.04	1.60E-06	305
Miat	myocardial infarction associated transcript (non-protein coding)	1455325_at	-2.03	0.0139	306
Marcks11	MARCKS-like 1	1437226_x_at	-2.03	0.0057	307
Frzb	frizzled-related protein	1416658_at	-2.03	0.0010	308
Itga8	integrin alpha 8	1427489_at	-2.03	0.0086	309
1433788_at		1433788_at	2.03	3.40E-06	310
Ahcyl2	S-adenosylhomocysteine hydrolase-like 2	1459537_at	-2.03	0.0020	311
1418507_s_at		1418507_s_at	2.03	0.0063	312
Cacng5	calcium channel, voltage-dependent, gamma subunit 5	1434785_at	-2.03	0.0003	313
Ppp1r14c	protein phosphatase 1, regulatory (inhibitor) subunit 14c	1443799_at	-2.02	0.0011	314
	11-Mar membrane-associated ring finger (C3HC4) 11	1455947_at	2.02	0.0468	315
Sidt1	SID1 transmembrane family, member 1	1426550_at	-2.02	0.0002	316
Fbln5	fibulin 5	1416164_at	2.01	0.0002	317
Kcnq3	potassium voltage-gated channel, subfamily Q, member 3	1458421_at	2.01	0.0056	318
Acvr1	activin A receptor, type 1	1457551_at	2.01	0.0015	319
Rbm24	RNA binding motif protein 24	1456180_at	-2.01	5.60E-05	320
1419730_at		1419730_at	-2.01	0.0015	321
Cyp11a1	cytochrome P450, family 11, subfamily a, polypeptide 1	1448804_at	2.01	0.0212	322

Lamb1-1	laminin B1 subunit 1	1424114_s_at	-2.01	1.80E-06	323
Aff3	AF4/FMR2 family, member 3	1433939_at	2.01	0.0002	324
Inha	inhibin alpha	1422728_at	-2.01	0.0230	325
Rgnef	Rho-guanine nucleotide exchange factor	1419458_at	-2.00	0.0011	326
Gda	guanine deaminase	1435749_at	-2.00	0.0084	327
1110002E22Rik	RIKEN cDNA 1110002E22 gene	1430786_at	-2.00	0.0016	328
Myh14	myosin, heavy polypeptide 14	1428835_at	2.00	0.0315	329
1438824_at		1438824_at	2.00	0.0071	330
Ifi205	interferon activated gene 205	1452349_x_at	2.00	0.0002	331
Slc6a15	solute carrier family 6 (neurotransmitter transporter), member 15	1426712_at	-1.99	4.60E-06	332
Prdm8	PR domain containing 8	1455925_at	-1.99	0.0012	333
Lphn3	latrophilin 3	1459295_at	1.99	0.0154	334
1439899_at		1439899_at	-1.99	0.0263	335
Scn4b	sodium channel, type IV, beta	1434008_at	1.99	0.0254	336
Rhou	ras homolog gene family, member U	1449027_at	-1.98	8.20E-07	337
1700011I03Rik	RIKEN cDNA 1700011I03 gene	1438059_at	1.98	0.0025	338
LOC626082	hypothetical protein LOC626082	1446282_at	-1.98	0.0023	339
Rfx3	regulatory factor X, 3 (influences HLA class II expression)	1441253_at	-1.98	0.0014	340
BM115624		1441746_at	1.98	0.0049	341
Kl	klotho	1423400_at	-1.98	0.0001	342
1446224_at		1446224_at	-1.97	0.0332	343
Wisp1	WNT1 inducible signaling pathway protein 1	1448593_at	1.97	0.0226	344
Rasgrf1	RAS protein-specific guanine nucleotide-releasing factor 1	1424734_at	-1.97	0.0037	345
Fmod	fibromodulin	1437718_x_at	1.97	0.0316	346
BC048546	cDNA sequence BC048546	1436503_at	-1.97	3.40E-06	347
1458140_at		1458140_at	-1.96	0.0011	348
Map2k6	mitogen-activated protein kinase kinase 6	1441482_at	-1.96	0.0454	349

6430597G12Rik	RIKEN cDNA 6430597G12 gene	1431153_at	1.96	0.0008	350
Lpar4	lysophosphatidic acid receptor 4	1452424_at	-1.96	0.0003	351
Bgn	biglycan	1416405_at	1.95	0.0257	352
Bgn	biglycan	1448323_a_at	1.95	0.0182	353
Fmod	fibromodulin	1437685_x_at	1.95	0.0192	354
AU023617	expressed sequence AU023617	1444974_at	-1.95	0.0169	355
Baiap3	BAI1-associated protein 3	1427509_at	-1.95	0.0016	356
Plcb4	phospholipase C, beta 4	1425339_at	1.94	0.0002	357
Itpr1	inositol 1,4,5-triphosphate receptor 1	1460203_at	-1.94	0.0004	358
Adcy1	adenylate cyclase 1	1445359_at	-1.94	6.50E-06	359
5830456J23Rik	RIKEN cDNA 5830456J23 gene	1433169_at	-1.93	0.0003	360
1435424_x_at		1435424_x_at	-1.93	0.0057	361
1460038_at		1460038_at	-1.93	0.0059	362
9330120H11Rik	RIKEN cDNA 9330120H11 gene	1457671_at	-1.93	1.50E-06	363
Cdh13	cadherin 13	1423551_at	-1.92	0.0002	364
1457440_at		1457440_at	-1.92	0.0004	365
Slc16a10	solute carrier family 16 (monocarboxylic acid transporters), membe	1457851_at	-1.92	0.0004	366
Mm.381253		1441430_at	1.92	0.0030	367
BM247146		1438295_at	1.92	0.0013	368
Npnt	nephronectin	1426560_a_at	-1.92	0.0008	369
Cp	ceruloplasmin	1417495_x_at	1.92	0.0296	370
Lphn3	latrophilin 3	1427809_at	1.91	0.0115	371
1428891_at		1428891_at	-1.91	0.0004	372
9830166K06Rik	RIKEN cDNA 9830166K06 gene	1457389_at	-1.91	0.0064	373
Iigp1	interferon inducible GTPase 1	1419043_a_at	-1.91	0.0030	374
Pdzn3	PDZ domain containing RING finger 3	1416846_a_at	-1.91	0.0007	375
Gadd45a	growth arrest and DNA-damage-inducible 45 alpha	1449519_at	1.91	0.0311	376

1436996_x_at		1436996_x_at	1.91	0.0260	377
Serpinf1	serine (or cysteine) peptidase inhibitor, clade F, member 1	1416168_at	1.91	0.0315	378
Isoc1	isochorismatase domain containing 1	1425050_at	-1.90	0.0016	379
Rabgap1l	RAB GTPase activating protein 1-like	1429196_at	1.90	0.0001	380
Zfp521	zinc finger protein 521	1451332_at	1.90	0.0001	381
1300014I06Rik	RIKEN cDNA 1300014I06 gene	1428851_at	-1.90	7.40E-06	382
Usp29	ubiquitin specific peptidase 29	1419237_at	1.90	6.60E-06	383
Epha3	Eph receptor A3	1443273_at	1.90	0.0003	384
Ifitm1	interferon induced transmembrane protein 1	1424254_at	1.90	0.0215	385
Cobl	cordon-bleu	1434917_at	1.90	0.0083	386
Gpc3	glypican 3	1450990_at	-1.90	0.0455	387
Srl	sarcalumenin	1436867_at	-1.90	0.0021	388
Adcy2	adenylate cyclase 2	1444633_at	1.90	0.0002	389
AK220484	cDNA sequence AK220484	1442703_at	-1.89	1.60E-05	390
9330154F10Rik	RIKEN cDNA 9330154F10 gene	1433325_at	1.89	0.0056	391
1437574_at		1437574_at	1.89	0.0124	392
Igfbp7	insulin-like growth factor binding protein 7	1423584_at	1.89	0.0162	393
Itpr1	inositol 1,4,5-triphosphate receptor 1	1417279_at	-1.89	5.40E-05	394
C230098O21Rik	RIKEN cDNA C230098O21 gene	1433988_s_at	-1.89	0.0009	395
Cntn3	contactin 3	1420739_at	-1.89	1.40E-05	396
Chn2	chimerin (chimaerin) 2	1428573_at	-1.89	0.0069	397
Otop2	otopetrin 2	1443043_at	1.88	0.0389	398
Synm	synemin, intermediate filament protein	1457275_at	-1.88	0.0003	399
Zfhx4	zinc finger homeodomain 4	1437556_at	-1.88	0.0002	400
Ccbe1	collagen and calcium binding EGF domains 1	1439327_at	-1.88	8.90E-05	401
Klhl32	kelch-like 32 (Drosophila)	1458375_at	-1.88	0.0010	402
Smo	smoothened homolog (Drosophila)	1427048_at	-1.88	0.0012	403

C230034O21Rik	RIKEN cDNA C230034O21 gene	1439707_at	-1.88	0.0011	404
Isoc1	isochorismatase domain containing 1	1425052_at	-1.88	0.0040	405
1435458_at		1435458_at	1.88	0.0233	406
1431402_at		1431402_at	-1.88	0.0034	407
Postn	periostin, osteoblast specific factor	1423606_at	1.87	0.0031	408
Gfra1	glial cell line derived neurotrophic factor family receptor alpha 1	1450440_at	-1.87	0.0144	409
Rbm24	RNA binding motif protein 24	1458624_at	-1.87	0.0008	410
Rasgrf2	RAS protein-specific guanine nucleotide-releasing factor 2	1421621_at	-1.87	0.0020	411
1440555_at		1440555_at	1.87	0.0029	412
Foxd1	forkhead box D1	1418876_at	1.87	0.0206	413
Mm.381347		1445207_at	-1.87	0.0003	414
Thbd	thrombomodulin	1448529_at	1.87	0.0064	415
Lamb1-1	laminin B1 subunit 1	1424113_at	-1.87	0.0005	416
Stat3	signal transducer and activator of transcription 3	1426587_a_at	1.87	1.80E-05	417
1700086L19Rik	RIKEN cDNA 1700086L19 gene	1455085_at	-1.87	0.0069	418
Mrc1	mannose receptor, C type 1	1450430_at	1.87	0.0064	419
Syt10	synaptotagmin X	1450347_at	-1.87	1.10E-05	420
AW146388		1454388_at	-1.86	0.0026	421
Fst	follistatin	1421365_at	-1.86	0.0011	422
Fbln1	fibulin 1	1422540_at	-1.86	4.80E-05	423
Tgfb1	transforming growth factor, beta induced	1448123_s_at	1.86	0.0226	424
1438470_at		1438470_at	1.86	0.0058	425
1443086_at		1443086_at	-1.86	6.50E-05	426
Fmod	fibromodulin	1415939_at	1.86	0.0209	427
D16Ert472e	DNA segment, Chr 16, ERATO Doi 472, expressed	1451466_at	-1.86	0.0466	428
Slc20a1	solute carrier family 20, member 1	1448568_a_at	1.86	1.10E-05	429
Chst15	carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase	1452092_at	-1.86	0.0038	430



Agxt211	alanine-glyoxylate aminotransferase 2-like 1	1452975_at	1.86	0.0266	431
BC046404	cDNA sequence BC046404	1436195_at	1.85	6.70E-06	432
Kcns2	K <sup>+</sup> voltage-gated channel, subfamily S, 2	1421342_at	1.85	0.0002	433
Slc30a3	solute carrier family 30 (zinc transporter), member 3	1460654_at	1.85	4.90E-05	434
Lrrtm1	leucine rich repeat transmembrane neuronal 1	1455883_a_at	-1.85	4.40E-05	435
Apod	apolipoprotein D	1416371_at	1.85	0.0229	436
Marcks11	MARCKS-like 1	1435627_x_at	-1.85	0.0058	437
1444275_at		1444275_at	-1.85	1.50E-05	438
Rab26	RAB26, member RAS oncogene family	1435500_at	-1.85	0.0115	439
Ncapg	non-SMC condensin I complex, subunit G	1455686_at	-1.85	0.0250	440
Trdn	triadin	1426143_at	-1.84	0.0025	441
Kcnt2	potassium channel, subfamily T, member 2	1440030_at	1.84	0.0013	442
1441127_at		1441127_at	-1.84	3.00E-05	443
Lyz2	lysozyme 2	1423547_at	1.84	0.0135	444
AI663975	expressed sequence AI663975	1442725_at	-1.84	0.0033	445
Fibcd1	fibrinogen C domain containing 1	1435482_at	-1.84	0.0427	446
6330406I15Rik	RIKEN cDNA 6330406I15 gene	1426937_at	1.84	0.0005	447
1438724_at		1438724_at	-1.84	0.0034	448
5330423I11Rik	RIKEN cDNA 5330423I11 gene	1431473_at	-1.84	0.0109	449
Plscr2	phospholipid scramblase 2	1448961_at	1.84	0.0168	450
Fmod	fibromodulin	1437324_x_at	1.84	0.0190	451
Ccdc3	coiled-coil domain containing 3	1428549_at	1.84	0.0197	452
F13a1	coagulation factor XIII, A1 subunit	1448929_at	1.84	0.0169	453
Marcks11	MARCKS-like 1	1435415_x_at	-1.83	0.0039	454
Col22a1	collagen, type XXII, alpha 1	1429280_at	-1.83	0.0004	455
Slit2	slit homolog 2 (Drosophila)	1440650_at	-1.83	0.0005	456
Dpyd	dihydropyrimidine dehydrogenase	1427946_s_at	-1.83	1.10E-05	457

Col1a2	collagen, type I, alpha 2	1423110_at	1.83	0.0054	458
Onecut2	one cut domain, family member 2	1460044_at	-1.83	0.0003	459
Fbn1	fibrillin 1	1460208_at	-1.83	0.0003	460
	3-Mar membrane-associated ring finger (C3HC4) 3	1436614_at	1.83	0.0208	461
Zfp703	zinc finger protein 703	1436026_at	1.82	0.0208	462
Hrasls	HRAS-like suppressor	1428991_at	1.82	0.0108	463
Mkx	mohawk homeobox	1446811_at	-1.82	0.0102	464
9130213B05Rik	RIKEN cDNA 9130213B05 gene	1424214_at	-1.82	0.0003	465
Kcnt2	potassium channel, subfamily T, member 2	1459971_at	1.82	0.0002	466
Lcorl	ligand dependent nuclear receptor corepressor-like	1446571_at	-1.82	0.0419	467
BB637274		1431248_at	-1.82	0.0046	468
1427086_at		1427086_at	-1.82	1.00E-04	469
Slit2	slit homolog 2 (Drosophila)	1424659_at	-1.82	0.0005	470
1439709_at		1439709_at	-1.82	0.0343	471
Sphkap	SPHK1 interactor, AKAP domain containing	1446364_at	-1.81	0.0011	472
Olfml2b	olfactomedin-like 2B	1423915_at	-1.81	0.0339	473
Kndc1	kinase non-catalytic C-lobe domain (KIND) containing 1	1428599_at	1.81	2.30E-07	474
Il11ra1	interleukin 11 receptor, alpha chain 1	1417505_s_at	-1.81	7.20E-07	475
Plcb4	phospholipase C, beta 4	1441531_at	1.81	0.0036	476
2900064F13Rik	RIKEN cDNA 2900064F13 gene	1432813_at	1.81	0.0038	477
1439947_at		1439947_at	1.81	0.0249	478
Crtac1	cartilage acidic protein 1	1426606_at	1.81	8.00E-05	479
Mpzl2	myelin protein zero-like 2	1416236_a_at	1.80	0.0262	480
A230067G21Rik	RIKEN cDNA A230067G21 gene	1455750_at	-1.80	0.0039	481
Adamts3	a disintegrin-like and metallopeptidase (reprolysin type) with throm	1441693_at	-1.80	0.0018	482
Actn2	actinin alpha 2	1456968_at	-1.80	0.0007	483
Rassf3	Ras association (RalGDS/AF-6) domain family member 3	1448546_at	1.80	0.0024	484

Aff3	AF4/FMR2 family, member 3	1453395_at	1.80	0.0025	485
Nrxn3	neurexin III	1444700_at	1.80	4.60E-05	486
Slc27a3	solute carrier family 27 (fatty acid transporter), member 3	1427180_at	1.80	0.0310	487
1458479_at		1458479_at	-1.80	0.0103	488
AW554440		1446596_at	-1.80	0.0076	489
Popdc3	popeye domain containing 3	1423856_at	-1.79	0.0091	490
1451430_at		1451430_at	-1.79	0.0113	491
1441499_at		1441499_at	-1.79	2.80E-05	492
Txnrd3	thioredoxin reductase 3	1449623_at	1.79	0.0391	493
B3galt5	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5	1428398_at	-1.79	0.0056	494
Bcl6	B-cell leukemia/lymphoma 6	1453595_at	-1.79	0.0005	495
D5Ert505e	DNA segment, Chr 5, ERATO Doi 505, expressed	1458934_at	-1.79	0.0007	496
Rhou	ras homolog gene family, member U	1449028_at	-1.79	9.00E-07	497
Gm266	predicted gene 266	1436115_at	-1.78	0.0100	498
Fgfbp1	fibroblast growth factor binding protein 1	1419086_at	1.78	0.0298	499
S100a11	S100 calcium binding protein A11 (calgizzarin)	1460351_at	1.78	0.0289	500
1455200_at		1455200_at	-1.78	4.00E-06	501
Mm.19314		1455528_at	-1.78	0.0069	502
C78859	expressed sequence C78859	1420048_at	-1.78	0.0003	503
Cp	ceruloplasmin	1417496_at	1.78	0.0128	504
Mapk4	mitogen-activated protein kinase 4	1435367_at	1.78	0.0217	505
Inpp4b	inositol polyphosphate-4-phosphatase, type II	1441416_at	-1.78	0.0004	506
Mcm6	minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe)	1438852_x_at	-1.78	0.0003	507
Lcorl	ligand dependent nuclear receptor corepressor-like	1439272_at	-1.77	0.0304	508
Lrig1	leucine-rich repeats and immunoglobulin-like domains 1	1449893_a_at	1.77	0.0016	509
Tgfb1	transforming growth factor, beta induced	1456250_x_at	1.77	0.0255	510
Cd55	CD55 antigen	1418762_at	1.77	0.0075	511

Smo	smoothened homolog (Drosophila)	1427049_s_at	-1.77	0.0038	512
Lrp1b	low density lipoprotein-related protein 1B (deleted in tumors)	1450211_at	-1.77	5.90E-06	513
Efcab1	EF hand calcium binding domain 1	1454198_a_at	-1.77	0.0022	514
Lrrtm1	leucine rich repeat transmembrane neuronal 1	1452624_at	-1.77	1.10E-05	515
Chst15	carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase	1426514_at	-1.77	0.0059	516
Cdh13	cadherin 13	1434115_at	-1.77	0.0005	517
D030041H20Rik	RIKEN cDNA D030041H20 gene	1458126_at	1.77	0.0125	518
LOC553091	hypothetical LOC553091	1456130_at	-1.77	0.0003	519
AI852580	expressed sequence AI852580	1459723_at	1.77	0.0065	520
Dclk3	doublecortin-like kinase 3	1436532_at	-1.77	0.0355	521
Lphn3	latrophilin 3	1446197_at	1.77	0.0323	522
Insm1	insulinoma-associated 1	1455865_at	1.77	0.0006	523
Rabgap1l	RAB GTPase activating protein 1-like	1453365_at	1.77	0.0120	524
Aox3	aldehyde oxidase 3	1418858_at	1.77	0.0088	525
Lpp	LIM domain containing preferred translocation partner in lipoma	1425673_at	-1.77	0.0004	526
Rbpj	recombination signal binding protein for immunoglobulin kappa J region	1448957_at	1.77	0.0229	527
Fam107b	family with sequence similarity 107, member B	1447242_at	-1.77	0.0005	528
Serpine3	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1)	1455697_at	1.77	0.0007	529
Mm.381834		1446286_at	-1.77	0.0060	530
Tgm2	transglutaminase 2, C polypeptide	1455900_x_at	1.76	0.0056	531
Gm10643	predicted gene 10643	1457115_at	-1.76	0.0001	532
Tmem47	transmembrane protein 47	1446150_at	1.76	0.0095	533
Serping1	serine (or cysteine) peptidase inhibitor, clade G, member 1	1416625_at	1.76	0.0093	534
Nt5dc2	5'-nucleotidase domain containing 2	1424882_a_at	-1.76	0.0021	535
Entpd3	ectonucleoside triphosphate diphosphohydrolase 3	1434049_at	-1.76	1.00E-05	536
1448735_at		1448735_at	1.76	0.0152	537
Myo5b	myosin VB	1437698_at	-1.76	0.0106	538

Prlr	prolactin receptor	1425853_s_at	1.76	0.0017	539
4932441J04Rik	RIKEN cDNA 4932441J04 gene	1436563_at	1.76	0.0060	540
2700045P11Rik	RIKEN cDNA 2700045P11 gene	1453428_at	-1.75	0.0009	541
Gng4	guanine nucleotide binding protein (G protein), gamma 4	1417943_at	-1.75	0.0004	542
Cdkl1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	1453231_at	-1.75	0.0012	543
Isoc1	isochorismatase domain containing 1	1425053_at	-1.75	0.0045	544
Marcks1l	MARCKS-like 1	1415922_s_at	-1.75	0.0091	545
1446847_at		1446847_at	1.75	0.0340	546
BC017612	cDNA sequence BC017612	1419403_at	-1.75	0.0008	547
6330406I15Rik	RIKEN cDNA 6330406I15 gene	1452244_at	1.75	0.0027	548
Umodl1	uromodulin-like 1	1439211_at	-1.75	0.0006	549
Kcns2	K <sup>+</sup> voltage-gated channel, subfamily S, 2	1457325_at	1.75	0.0023	550
C430045I18Rik	RIKEN cDNA C430045I18 gene	1430633_s_at	-1.75	0.0009	551
Upp1	uridine phosphorylase 1	1448562_at	-1.75	0.0053	552
Itih3	inter-alpha trypsin inhibitor, heavy chain 3	1449123_at	1.75	0.0234	553
Rimbp2	RIMS binding protein 2	1441625_at	1.74	0.0143	554
Lphn3	latrophilin 3	1458772_at	1.74	0.0295	555
Acot5	acyl-CoA thioesterase 5	1425257_at	-1.74	0.0191	556
Pdgfc	platelet-derived growth factor, C polypeptide	1449351_s_at	-1.74	0.0240	557
1439026_at		1439026_at	-1.74	8.70E-05	558
Col6a3	collagen, type VI, alpha 3	1424131_at	1.74	0.0006	559
BB310408		1441936_x_at	-1.74	0.0010	560
Cdh7	cadherin 7, type 2	1456970_at	1.74	0.0363	561
Sox11	SRY-box containing gene 11	1453125_at	1.74	0.0005	562
Ahcy12	S-adenosylhomocysteine hydrolase-like 2	1452703_at	-1.74	0.0003	563
1437466_at		1437466_at	-1.74	7.90E-05	564
1422445_at		1422445_at	1.74	0.0100	565

Anxa1	annexin A1	1448213_at	1.74	0.0023	566
Aldh3b1	aldehyde dehydrogenase 3 family, member B1	1452301_at	1.74	0.0027	567
Ddn	dendrin	1436268_at	-1.74	6.80E-05	568
Emp3	epithelial membrane protein 3	1417104_at	1.74	0.0285	569
Fras1	Fraser syndrome 1 homolog (human)	1439019_at	-1.74	0.0049	570
AV024133		1436786_at	-1.74	5.90E-05	571
Acvr2a	activin receptor IIA	1451004_at	-1.74	8.50E-07	572
Panx1	pannexin 1	1416379_at	1.74	0.0037	573
Rnf19b	ring finger protein 19B	1432478_a_at	1.74	0.0012	574
Esrrg	estrogen-related receptor gamma	1455267_at	-1.73	0.0055	575
Mfge8	milk fat globule-EGF factor 8 protein	1420911_a_at	-1.73	0.0116	576
BB454746		1446338_at	-1.73	0.0224	577
Lphn3	latrophilin 3	1445108_at	1.73	0.0339	578
Col4a5	collagen, type IV, alpha 5	1425476_at	1.73	0.0159	579
Arhgap15	Rho GTPase activating protein 15	1435959_at	-1.73	6.10E-06	580
Ust	uronyl-2-sulfotransferase	1439218_at	-1.73	0.0017	581
Isoc1	isochorismatase domain containing 1	1425051_at	-1.73	0.0030	582
Gpc1	glypican 1	1417389_at	1.73	0.0187	583
1440455_at		1440455_at	1.73	0.0025	584
1431367_at		1431367_at	-1.73	0.0128	585
Ly6h	lymphocyte antigen 6 complex, locus H	1422625_at	-1.73	0.0063	586
1457896_at		1457896_at	-1.73	0.0018	587
Gss	glutathione synthetase	1448273_at	-1.73	1.20E-06	588
1436356_at		1436356_at	1.73	0.0010	589
BB532898		1444432_at	-1.72	0.0002	590
Nt5e	5' nucleotidase, ecto	1428547_at	-1.72	0.0016	591
Adcy8	adenylate cyclase 8	1418754_at	-1.72	5.90E-05	592

Il33	interleukin 33	1416200_at	-1.72	1.70E-05	593
AI506816	expressed sequence AI506816	1439483_at	-1.72	2.30E-06	594
A830018L16Rik	RIKEN cDNA A830018L16 gene	1445819_at	-1.72	0.0370	595
Lrrc6	leucine rich repeat containing 6 (testis)	1440798_x_at	1.72	0.0012	596
Vwa1	von Willebrand factor A domain containing 1	1426399_at	1.72	0.0071	597
Itga6	integrin alpha 6	1422444_at	1.72	0.0103	598
Capg	capping protein (actin filament), gelsolin-like	1450355_a_at	1.72	0.0493	599
Gpr153	G protein-coupled receptor 153	1426973_at	1.72	0.0269	600
P4ha1	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase)	1426519_at	1.71	0.0268	601
1441548_at		1441548_at	-1.71	0.0049	602
Tpd52l1	tumor protein D52-like 1	1418412_at	-1.71	2.10E-07	603
Vstm2b	V-set and transmembrane domain containing 2B	1419118_at	-1.71	0.0089	604
Gm13889	predicted gene 13889	1455271_at	-1.71	0.0048	605
Nupr1	nuclear protein 1	1419666_x_at	1.71	0.0387	606
Necab2	N-terminal EF-hand calcium binding protein 2	1418881_at	1.71	0.0010	607
Alcam	activated leukocyte cell adhesion molecule	1446720_at	-1.71	4.10E-05	608
Pls1	plastin 1 (I-isoform)	1460406_at	-1.71	1.70E-05	609
Fyco1	FYVE and coiled-coil domain containing 1	1427177_at	-1.71	0.0058	610
BC068157	cDNA sequence BC068157	1429269_at	-1.71	0.0195	611
Gjd2	gap junction protein, delta 2	1435297_at	1.71	0.0334	612
Camk1d	calcium/calmodulin-dependent protein kinase ID	1426389_at	1.71	0.0061	613
Kcng2	potassium voltage-gated channel, subfamily G, member 2	1434838_at	-1.71	0.0020	614
Rab27a	RAB27A, member RAS oncogene family	1429123_at	-1.71	0.0064	615
Scn9a	sodium channel, voltage-gated, type IX, alpha	1442809_at	-1.71	0.0013	616
Pcolce	procollagen C-endopeptidase enhancer protein	1448433_a_at	1.70	0.0182	617
Pde1b	phosphodiesterase 1B, Ca <sup>2+</sup> -calmodulin dependent	1449420_at	-1.70	0.0275	618
Galnt13	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13	1457045_at	-1.70	0.0413	619

Prune2	prune homolog 2 (Drosophila)	1439274_at	-1.70	0.0090	620
Asb11	ankyrin repeat and SOCS box-containing 11	1422153_a_at	-1.70	0.0366	621
Elmod1	ELMO domain containing 1	1457223_at	-1.70	0.0249	622
Sox11	SRY-box containing gene 11	1436790_a_at	1.70	0.0014	623
Pfkfb3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	1416432_at	1.70	0.0019	624
Bmp6	bone morphogenetic protein 6	1450759_at	1.70	0.0033	625
Tmtc1	transmembrane and tetratricopeptide repeat containing 1	1439855_at	-1.70	0.0089	626
Lor	loricrin	1420183_at	-1.70	7.90E-05	627
Tbc1d8b	TBC1 domain family, member 8B	1430133_at	-1.70	0.0038	628
Lrg1	leucine-rich alpha-2-glycoprotein 1	1417290_at	1.70	0.0434	629
Rasgrf1	RAS protein-specific guanine nucleotide-releasing factor 1	1459056_at	-1.70	0.0071	630
Mm.406713		1444109_at	-1.69	0.0024	631
Camk1d	calcium/calmodulin-dependent protein kinase ID	1452050_at	1.69	0.0034	632
1440311_at		1440311_at	-1.69	0.0011	633
1433945_at		1433945_at	-1.69	0.0002	634
Il1r1	interleukin 1 receptor, type I	1448950_at	-1.69	0.0065	635
Lepr	leptin receptor	1456156_at	1.69	0.0229	636
Rfx3	regulatory factor X, 3 (influences HLA class II expression)	1437375_at	-1.69	0.0008	637
Smc2	structural maintenance of chromosomes 2	1429660_s_at	-1.69	0.0047	638
Stard5	StAR-related lipid transfer (START) domain containing 5	1450769_s_at	-1.69	0.0002	639
Lmna	lamin A	1421654_a_at	1.69	0.0197	640
Lypd6	LY6/PLAUR domain containing 6	1454969_at	-1.69	0.0089	641
Gng7	guanine nucleotide binding protein (G protein), gamma 7	1455190_at	-1.69	0.0059	642
Adamtsl2	ADAMTS-like 2	1429214_at	-1.69	0.0009	643
H2-Ea	histocompatibility 2, class II antigen E alpha	1422892_s_at	1.69	0.0191	644
	228712	1457966_at	-1.69	0.0040	645
Sftpc	surfactant associated protein C	1418639_at	-1.69	0.0003	646



Rgs17	regulator of G-protein signaling 17	1450693_at	1.68	0.0039	647
Mcm6	minichromosome maintenance deficient 6 (MIS5 homolog, <i>S. pombe</i> )	1416251_at	-1.68	0.0005	648
Cdkl4	cyclin-dependent kinase-like 4	1433969_at	-1.68	3.90E-05	649
1443906_at		1443906_at	1.68	0.0019	650
Efcab1	EF hand calcium binding domain 1	1455074_at	-1.68	0.0006	651
Gimap6	GTPase, IMAP family member 6	1427891_at	-1.68	0.0014	652
1439015_at		1439015_at	-1.68	0.0080	653
Car4	carbonic anhydrase 4	1448949_at	-1.68	0.0042	654
Gbp2	guanylate binding protein 2	1435906_x_at	1.68	0.0291	655
Neu2	neuraminidase 2	1431936_a_at	1.68	0.0339	656
B830012L14Rik	RIKEN cDNA B830012L14 gene	1439311_at	1.68	0.0449	657
Cish	cytokine inducible SH2-containing protein	1448724_at	1.67	0.0067	658
BB762344		1458711_at	1.67	0.0050	659
Pgam2	phosphoglycerate mutase 2	1418373_at	-1.67	0.0187	660
Bambi	BMP and activin membrane-bound inhibitor, homolog ( <i>Xenopus laevis</i> )	1423753_at	-1.67	0.0076	661
Gpr124	G protein-coupled receptor 124	1418379_s_at	1.67	0.0008	662
Fzd7	frizzled homolog 7 ( <i>Drosophila</i> )	1450044_at	1.67	0.0179	663
Serpinf1	serine (or cysteine) peptidase inhibitor, clade F, member 1	1453724_a_at	1.67	0.0392	664
Fzd5	frizzled homolog 5 ( <i>Drosophila</i> )	1455604_at	-1.67	0.0003	665
Mapk6	mitogen-activated protein kinase 6	1419169_at	1.67	0.0237	666
2700045P11Rik	RIKEN cDNA 2700045P11 gene	1456995_at	-1.67	0.0054	667
Tmem200a	transmembrane protein 200A	1436304_at	1.67	0.0135	668
Btg3	B-cell translocation gene 3	1449007_at	-1.67	0.0007	669
Zbtb16	zinc finger and BTB domain containing 16	1439163_at	-1.67	0.0490	670
1445550_at		1445550_at	-1.67	0.0013	671
Slc35f3	solute carrier family 35, member F3	1456764_at	1.67	0.0006	672
Hmox1	heme oxygenase (decycling) 1	1448239_at	1.67	6.00E-05	673

Pthlh	parathyroid hormone-like peptide	1422324_a_at	1.67	0.0001	674
Tmtc4	transmembrane and tetratricopeptide repeat containing 4	1428113_at	-1.67	0.0058	675
1427045_at		1427045_at	1.66	0.0132	676
1429783_at		1429783_at	-1.66	0.0106	677
Sez6	seizure related gene 6	1427674_a_at	1.66	0.0240	678
Rreb1	ras responsive element binding protein 1	1452862_at	-1.66	6.50E-05	679
A230055J12Rik	RIKEN cDNA A230055J12 gene	1443457_at	1.66	0.0259	680
Myo5b	myosin VB	1452298_a_at	-1.66	0.0105	681
Mm.89400		1447490_at	-1.66	0.0017	682
Myo1d	myosin ID	1435046_at	-1.66	0.0011	683
Efhc2	EF-hand domain (C-terminal) containing 2	1428638_at	-1.66	0.0023	684
Arhgap15	Rho GTPase activating protein 15	1429881_at	-1.66	4.60E-05	685
Cd34	CD34 antigen	1416072_at	1.66	0.0032	686
Arhgap26	Rho GTPase activating protein 26	1435694_at	-1.66	4.20E-05	687
Car4	carbonic anhydrase 4	1418094_s_at	-1.66	0.0025	688
Lin7a	lin-7 homolog A (C. elegans)	1438450_at	1.66	2.90E-05	689
Synm	synemin, intermediate filament protein	1455610_at	-1.65	8.50E-05	690
Zfp64	zinc finger protein 64	1440251_s_at	-1.65	0.0069	691
1110018H23Rik	RIKEN cDNA 1110018H23 gene	1430194_at	-1.65	0.0006	692
3830431G21Rik	RIKEN cDNA 3830431G21 gene	1436035_at	-1.65	0.0002	693
Ankrd50	ankyrin repeat domain 50	1435880_at	1.65	0.0100	694
Alcam	activated leukocyte cell adhesion molecule	1426301_at	-1.65	0.0003	695
Mm.133499		1440103_at	-1.65	0.0019	696
Atf3	activating transcription factor 3	1449363_at	1.65	0.0325	697
1110012J17Rik	RIKEN cDNA 1110012J17 gene	1429053_at	1.65	0.0130	698
Grid1	glutamate receptor, ionotropic, delta 1	1445779_at	-1.65	0.0007	699
Ifitm2	interferon induced transmembrane protein 2	1417460_at	1.65	0.0024	700

Olfm2	olfactomedin 2	1435790_at	1.65	0.0379	701
1455145_at		1455145_at	-1.65	0.0081	702
Dleu2	deleted in lymphocytic leukemia, 2	1427411_s_at	1.65	0.0053	703
Shmt1	serine hydroxymethyltransferase 1 (soluble)	1425179_at	-1.65	0.0100	704
1439779_at		1439779_at	1.65	0.0049	705
Dpyd	dihydropyrimidine dehydrogenase	1427945_at	-1.65	4.70E-05	706
1456633_at		1456633_at	-1.65	0.0015	707
1444778_at		1444778_at	-1.65	0.0062	708
1460630_at		1460630_at	-1.65	0.0012	709
Tanc1	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing	1446029_at	1.65	0.0164	710
Fgl2	fibrinogen-like protein 2	1421855_at	1.65	0.0258	711
Magi1	membrane associated guanylate kinase, WW and PDZ domain containing	1451893_s_at	-1.65	9.90E-05	712
Cdkl1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	1429664_at	-1.65	0.0093	713
4933427G17Rik	RIKEN cDNA 4933427G17 gene	1431904_at	-1.64	0.0013	714
Insm1	insulinoma-associated 1	1421399_at	1.64	0.0079	715
Gm12824	predicted gene 12824	1459183_at	-1.64	3.10E-05	716
Btbd17	BTB (POZ) domain containing 17	1428303_at	1.64	0.0024	717
Cpne4	copine IV	1429443_at	-1.64	0.0066	718
Sncaip	synuclein, alpha interacting protein (synphilin)	1423499_at	-1.64	0.0027	719
Mm.372774		1442025_a_at	-1.64	0.0438	720
Thsd7a	thrombospondin, type I, domain containing 7A	1456721_at	-1.64	2.70E-05	721
Foxk1	forkhead box K1	1434655_at	-1.64	0.0038	722
Rbp1	retinol binding protein 1, cellular	1448754_at	1.64	0.0269	723
Agrn	agrin	1426670_at	1.64	0.0002	724
Fam101b	family with sequence similarity 101, member B	1456603_at	1.64	0.0068	725
Gypc	glycophorin C	1423878_at	-1.64	0.0002	726
Socs3	suppressor of cytokine signaling 3	1416576_at	1.64	0.0393	727

Rgs14	regulator of G-protein signaling 14	1419221_a_at	-1.64	8.00E-07	728
Krt12	keratin 12	1419231_s_at	-1.64	0.0394	729
Pknox1	Pbx/knotted 1 homeobox	1450172_at	1.64	0.0078	730
Abcb10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	1416402_at	-1.64	0.0090	731
Gjb2	gap junction protein, beta 2	1423271_at	1.64	0.0462	732
Lrrc16a	leucine rich repeat containing 16A	1451804_a_at	-1.64	0.0006	733
Zcchc12	zinc finger, CCHC domain containing 12	1428434_at	-1.64	0.0012	734
Lpar4	lysophosphatidic acid receptor 4	1434186_at	-1.64	0.0001	735
1457133_at		1457133_at	-1.64	0.0046	736
1435338_at		1435338_at	1.64	0.0100	737
1437485_at		1437485_at	-1.64	0.0037	738
Stat3	signal transducer and activator of transcription 3	1460700_at	1.64	1.40E-05	739
Ssbp3	single-stranded DNA binding protein 3	1425940_a_at	1.64	0.0016	740
Trdn	triadin	1426144_x_at	-1.64	1.00E-06	741
Echdc2	enoyl Coenzyme A hydratase domain containing 2	1425788_a_at	-1.63	1.60E-05	742
Dkk3	dickkopf homolog 3 ( <i>Xenopus laevis</i> )	1448669_at	1.63	0.0039	743
6330416G13Rik	RIKEN cDNA 6330416G13 gene	1426315_a_at	1.63	0.0022	744
1419874_x_at		1419874_x_at	-1.63	0.0233	745
1455287_at		1455287_at	1.63	0.0085	746
Nfic	nuclear factor I/C	1435527_at	1.63	0.0024	747
1424594_at		1424594_at	1.63	0.0054	748
Dtna	dystrobrevin alpha	1425292_at	1.63	0.0001	749
Foxc1	forkhead box C1	1419486_at	1.63	0.0063	750
Lamc2	laminin, gamma 2	1421279_at	1.63	0.0034	751
1437759_at		1437759_at	1.63	0.0027	752
Pde4dip	phosphodiesterase 4D interacting protein (myomegalin)	1433761_at	1.63	0.0026	753
5730409N24Rik	RIKEN cDNA 5730409N24 gene	1430362_at	-1.63	0.0371	754

C1ql2	complement component 1, q subcomponent-like 2	1444687_at	1.63	0.0088	755
Cav1	caveolin 1, caveolae protein	1449145_a_at	1.63	0.0229	756
Itpr1	inositol 1,4,5-triphosphate receptor 1	1457189_at	-1.63	0.0025	757
Inpp5a	inositol polyphosphate-5-phosphatase A	1433605_at	1.63	0.0002	758
3110035E14Rik	RIKEN cDNA 3110035E14 gene	1428184_at	-1.63	0.0107	759
Egfl6	EGF-like-domain, multiple 6	1419332_at	-1.63	0.0013	760
Parva	parvin, alpha	1431375_s_at	1.63	0.0120	761
Tgm2	transglutaminase 2, C polypeptide	1437277_x_at	1.63	0.0132	762
AV365231		1442276_at	1.63	0.0006	763
Ahnak	AHNAK nucleoprotein (desmoyokin)	1452217_at	1.62	0.0048	764
4922501L14Rik	RIKEN cDNA 4922501L14 gene	1427501_at	-1.62	0.0261	765
Mdfic	MyoD family inhibitor domain containing	1427040_at	1.62	0.0066	766
Mm.381420		1435579_at	-1.62	0.0027	767
Zfx4	zinc finger homeodomain 4	1421433_at	-1.62	0.0005	768
1441536_at		1441536_at	1.62	0.0185	769
1438558_x_at		1438558_x_at	-1.62	4.10E-05	770
H2-Aa	histocompatibility 2, class II antigen A, alpha	1438858_x_at	1.62	0.0045	771
Mm.381104		1443744_at	-1.62	0.0253	772
Mm.270409		1444616_x_at	-1.62	0.0096	773
Camk1	calcium/calmodulin-dependent protein kinase I	1417605_s_at	1.62	5.30E-05	774
1429974_at		1429974_at	1.62	0.0194	775
Rasd2	RASD family, member 2	1427344_s_at	1.62	0.0222	776
Abcc8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	1455765_a_at	-1.62	0.0009	777
Mm.132104		1442551_at	1.62	0.0315	778
Hist2h2bb	histone cluster 2, H2bb	1425868_at	-1.62	0.0007	779
Nbl1	neuroblastoma, suppression of tumorigenicity 1	1448428_at	1.62	0.0173	780
Foxq1	forkhead box Q1	1445572_at	-1.62	0.0011	781

Clmn	calmin	1439117_at	-1.62	0.0220	782
Lrig1	leucine-rich repeats and immunoglobulin-like domains 1	1434210_s_at	1.61	0.0060	783
Ablim3	actin binding LIM protein family, member 3	1434013_at	-1.61	0.0051	784
Mme	membrane metallo endopeptidase	1455961_at	-1.61	0.0451	785
A230067G21Rik	RIKEN cDNA A230067G21 gene	1445001_at	-1.61	0.0254	786
1810031K17Rik	RIKEN cDNA 1810031K17 gene	1427879_at	1.61	0.0461	787
Abcb10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	1416403_at	-1.61	0.0061	788
Lin7a	lin-7 homolog A (C. elegans)	1456656_at	1.61	0.0006	789
Hsph1	heat shock 105kDa/110kDa protein 1	1423566_a_at	1.61	0.0391	790
1457708_at		1457708_at	-1.61	0.0056	791
Kctd12	potassium channel tetramerisation domain containing 12	1434881_s_at	-1.61	4.00E-06	792
Fam101b	family with sequence similarity 101, member B	1429764_at	1.61	0.0194	793
Klhdc8a	kelch domain containing 8A	1424885_at	-1.61	1.70E-06	794
1436279_at		1436279_at	1.61	0.0342	795
P2ry6	pyrimidinergic receptor P2Y, G-protein coupled, 6	1425214_at	1.61	0.0025	796
Crtac1	cartilage acidic protein 1	1452936_at	1.61	3.60E-06	797
Lhfp12	lipoma HMGIC fusion partner-like 2	1434129_s_at	-1.61	0.0288	798
Mm.376308		1458967_at	-1.61	0.0042	799
Dgki	diacylglycerol kinase, iota	1439986_at	1.61	0.0079	800
BB075541		1459321_at	1.61	0.0450	801
Gss	glutathione synthetase	1441931_x_at	-1.61	3.10E-05	802
Epha3	Eph receptor A3	1425575_at	1.61	0.0027	803
Prune2	prune homolog 2 (Drosophila)	1432198_at	-1.60	0.0044	804
Clmn	calmin	1429166_s_at	-1.60	0.0314	805
Lrrc16a	leucine rich repeat containing 16A	1446892_at	-1.60	0.0024	806
Nrsn2	neurensin 2	1434640_at	-1.60	0.0008	807
Lypd6	LY6/PLAUR domain containing 6	1456138_at	-1.60	0.0139	808

Aspg	asparaginase homolog ( <i>S. cerevisiae</i> )	1435036_at	1.60	0.0383	809
Meig1	meiosis expressed gene 1	1423410_at	-1.60	8.50E-05	810
Pcdh19	protocadherin 19	1437360_at	-1.60	0.0091	811
1460440_at		1460440_at	1.60	0.0103	812
Expi	extracellular proteinase inhibitor	1417160_s_at	-1.60	4.60E-05	813
5033430I15Rik	RIKEN cDNA 5033430I15 gene	1432509_at	-1.60	9.10E-05	814
Rspo1	R-spondin homolog ( <i>Xenopus laevis</i> )	1449319_at	-1.60	2.90E-05	815
Tmem158	transmembrane protein 158	1428074_at	1.60	0.0008	816
Tnnt2	troponin T2, cardiac	1418726_a_at	-1.60	0.0006	817
Ccdc74a	coiled-coil domain containing 74A	1436104_a_at	-1.60	0.0058	818
Tgm2	transglutaminase 2, C polypeptide	1433428_x_at	1.60	0.0134	819
Krt12	keratin 12	1419230_at	-1.60	0.0083	820
BB291417		1458099_at	-1.60	0.0238	821
Khdrbs2	KH domain containing, RNA binding, signal transduction associated	1422117_s_at	-1.60	5.20E-08	822
1430460_at		1430460_at	-1.60	0.0033	823
1700066D14Rik	RIKEN cDNA 1700066D14 gene	1439525_at	1.59	0.0127	824
4833432E10Rik	RIKEN cDNA 4833432E10 gene	1453387_at	1.59	0.0209	825
Lhfp12	lipoma HMGIC fusion partner-like 2	1434130_at	-1.59	0.0069	826
Jag1	jagged 1	1434070_at	-1.59	0.0003	827
Fmod	fibromodulin	1438966_x_at	1.59	0.0287	828
1441476_at		1441476_at	1.59	0.0010	829
Flywch2	FLYWCH family member 2	1438982_s_at	1.59	0.0012	830
Ppp1r14c	protein phosphatase 1, regulatory (inhibitor) subunit 14c	1417701_at	-1.59	0.0008	831
Prox1	prospero-related homeobox 1	1436464_at	-1.59	0.0051	832
Pcdh19	protocadherin 19	1444422_at	-1.59	0.0063	833
Dgkh	diacylglycerol kinase, eta	1459906_at	-1.59	0.0047	834
Rragd	Ras-related GTP binding D	1434909_at	1.59	0.0078	835

Fstl4	follistatin-like 4	1440155_at	1.59	0.0006	836
5330409N07Rik	RIKEN cDNA 5330409N07 gene	1446643_at	-1.59	0.0342	837
Acta2	actin, alpha 2, smooth muscle, aorta	1416454_s_at	1.59	0.0156	838
Sparc	secreted acidic cysteine rich glycoprotein	1416589_at	1.59	0.0069	839
Grasp	GRP1 (general receptor for phosphoinositides 1)-associated scaffc	1460206_at	1.59	0.0403	840
1444235_at		1444235_at	-1.59	9.30E-05	841
BB229969		1457141_at	-1.59	0.0247	842
Malat1	metastasis associated lung adenocarcinoma transcript 1 (non-codi	1436202_at	1.58	0.0101	843
Cacng3	calcium channel, voltage-dependent, gamma subunit 3	1450520_at	1.58	0.0002	844
1439313_at		1439313_at	1.58	0.0179	845
Rgs10	regulator of G-protein signalling 10	1416882_at	1.58	0.0021	846
Lpl	lipoprotein lipase	1431056_a_at	1.58	0.0012	847
Sorbs1	sorbin and SH3 domain containing 1	1443983_at	-1.58	0.0057	848
Zfp462	zinc finger protein 462	1456789_at	-1.58	0.0010	849
Cryz	crystallin, zeta	1438610_a_at	-1.58	8.90E-05	850
BM120619		1459376_at	1.58	0.0096	851
Serpinh1	serine (or cysteine) peptidase inhibitor, clade H, member 1	1450843_a_at	1.58	0.0352	852
1439153_at		1439153_at	-1.58	0.0030	853
Tmem159	transmembrane protein 159	1426436_at	-1.58	0.0016	854
Rnf128	ring finger protein 128	1449036_at	-1.58	0.0002	855
Ptgr1	prostaglandin reductase 1	1417777_at	-1.58	0.0076	856
Mcm5	minichromosome maintenance deficient 5, cell division cycle 46 (S.	1436808_x_at	1.58	0.0234	857
1455720_at		1455720_at	1.58	0.0175	858
6720460K10Rik	RIKEN cDNA 6720460K10 gene	1433338_at	1.58	0.0017	859
Mm.365751		1447421_at	-1.58	0.0096	860
Ccdc85c	coiled-coil domain containing 85C	1442999_at	-1.58	0.0036	861
Card6	caspase recruitment domain family, member 6	1436395_at	-1.58	0.0074	862



Crabp2	cellular retinoic acid binding protein II	1451191_at	1.58	0.0198	863
Rragd	Ras-related GTP binding D	1431164_at	1.58	0.0147	864
Ms4a6b	membrane-spanning 4-domains, subfamily A, member 6B	1418826_at	1.58	0.0011	865
Zfp804a	zinc finger protein 804A	1457361_at	1.58	0.0359	866
Dmd	dystrophin, muscular dystrophy	1446156_at	1.57	0.0094	867
Mm.381818		1446540_at	-1.57	0.0006	868
1443315_at		1443315_at	1.57	0.0191	869
Sema4a	sema domain, immunoglobulin domain (Ig), transmembrane domain (	1448110_at	1.57	0.0285	870
Mm.89591		1438310_at	-1.57	0.0052	871
Itga4	integrin alpha 4	1457376_at	-1.57	0.0012	872
Ahcy12	S-adenosylhomocysteine hydrolase-like 2	1428195_at	-1.57	0.0049	873
Dnm3	dynamamin 3	1436875_at	-1.57	0.0104	874
Bbs12	Bardet-Biedl syndrome 12 (human)	1447275_at	-1.57	0.0021	875
1439629_at		1439629_at	1.57	0.0003	876
Bst2	bone marrow stromal cell antigen 2	1424921_at	1.57	0.0167	877
Rbpj	recombination signal binding protein for immunoglobulin kappa J re	1454896_at	1.57	0.0243	878
Rasa1	RAS p21 protein activator 1	1426478_at	-1.57	0.0008	879
Cacng2	calcium channel, voltage-dependent, gamma subunit 2	1420596_at	1.57	0.0002	880
Tubgcp2	tubulin, gamma complex associated protein 2	1455868_a_at	-1.57	0.0122	881
Nrgn	neurogranin	1423231_at	1.57	0.0007	882
Ccdc88c	coiled-coil domain containing 88C	1442862_at	1.57	0.0014	883
1458742_at		1458742_at	1.57	0.0220	884
1443554_at		1443554_at	1.57	0.0051	885
Cfh	complement component factor h	1423153_x_at	1.57	0.0081	886
Mm.39691		1436449_at	-1.57	0.0018	887
Camkk2	calcium/calmodulin-dependent protein kinase kinase 2, beta	1424475_at	1.57	0.0026	888
Cd1d1	CD1d1 antigen	1449131_s_at	1.57	0.0333	889

Cyth1	cytohesin 1	1448997_at	-1.57	0.0006	890
2900072G11Rik	RIKEN cDNA 2900072G11 gene	1429702_at	-1.57	0.0283	891
1442039_at		1442039_at	-1.57	0.0008	892
Rnf128	ring finger protein 128	1418318_at	-1.57	0.0001	893
Golm1	golgi membrane protein 1	1415698_at	-1.57	0.0001	894
Ephb6	Eph receptor B6	1418051_at	1.57	0.0004	895
Sox11	SRY-box containing gene 11	1429051_s_at	1.57	0.0004	896
Frmd3	FERM domain containing 3	1437075_at	1.57	0.0107	897
Tagln3	transgelin 3	1450683_at	1.57	0.0040	898
Kctd15	potassium channel tetramerisation domain containing 15	1435339_at	1.57	0.0056	899
1437842_at		1437842_at	1.56	0.0336	900
Rabgap1l	RAB GTPase activating protein 1-like	1429197_s_at	1.56	0.0216	901
Sorcs2	sortilin-related VPS10 domain containing receptor 2	1419358_at	-1.56	4.60E-08	902
P2rx5	purinergic receptor P2X, ligand-gated ion channel, 5	1449433_at	-1.56	0.0012	903
1440441_at		1440441_at	-1.56	0.0109	904
Ascl1	achaete-scute complex homolog 1 (Drosophila)	1437086_at	-1.56	0.0011	905
Magi1	membrane associated guanylate kinase, WW and PDZ domain containing 1	1452369_at	-1.56	0.0009	906
Gstm6	glutathione S-transferase, mu 6	1422072_a_at	-1.56	2.50E-05	907
Npnt	nephronectin	1421429_a_at	-1.56	0.0124	908
Faim	Fas apoptotic inhibitory molecule	1418029_at	-1.56	0.0001	909
1441966_at		1441966_at	-1.56	0.0019	910
Dkk3	dickkopf homolog 3 (Xenopus laevis)	1417312_at	1.56	0.0097	911
Col5a2	collagen, type V, alpha 2	1422437_at	1.56	0.0109	912
1442586_at		1442586_at	1.56	7.70E-05	913
Il1rapl2	interleukin 1 receptor accessory protein-like 2	1420462_at	-1.56	0.0032	914
Glce	glucuronyl C5-epimerase	1428374_at	1.56	0.0107	915
Pdzd3	PDZ domain containing 3	1449330_at	-1.56	0.0057	916

Dnm3	dynamamin 3	1438801_at	-1.56	0.0026	917
1426551_at		1426551_at	-1.56	0.0003	918
Mirg	miRNA containing gene	1457030_at	1.56	0.0091	919
Gnal	guanine nucleotide binding protein, alpha stimulating, olfactory type	1442021_at	-1.56	0.0052	920
Fn1	fibronectin 1	1426642_at	1.56	0.0373	921
Unc5c	unc-5 homolog C (C. elegans)	1419592_at	1.56	0.0478	922
Slc29a4	solute carrier family 29 (nucleoside transporters), member 4	1424900_at	-1.56	0.0283	923
Pnma2	paraneoplastic antigen MA2	1435618_at	-1.56	0.0015	924
Mbd4	methyl-CpG binding domain protein 4	1449490_at	-1.56	0.0144	925
1455342_at		1455342_at	-1.56	0.0023	926
Cfh	complement component factor h	1450876_at	1.56	0.0081	927
BM115786		1457324_at	-1.56	0.0058	928
Map3k4	mitogen-activated protein kinase kinase kinase 4	1459800_s_at	-1.56	0.0123	929
1435162_at		1435162_at	-1.55	0.0027	930
1437467_at		1437467_at	-1.55	0.0002	931
Dpp6	dipeptidylpeptidase 6	1441538_at	-1.55	0.0304	932
Mm.371841		1441623_at	1.55	0.0068	933
LOC552873	hypothetical LOC552873	1457886_at	-1.55	0.0292	934
Lamb3	laminin, beta 3	1417812_a_at	-1.55	0.0004	935
1434832_at		1434832_at	1.55	6.60E-05	936
Mm.205593		1457512_at	-1.55	0.0008	937
Sparc	secreted acidic cysteine rich glycoprotein	1448392_at	1.55	0.0064	938
Galns	galactosamine (N-acetyl)-6-sulfate sulfatase	1448744_at	-1.55	0.0006	939
Lrp1b	low density lipoprotein-related protein 1B (deleted in tumors)	1447478_at	-1.55	0.0001	940
Lrp1b	low density lipoprotein-related protein 1B (deleted in tumors)	1443131_at	-1.55	0.0006	941
Smc2	structural maintenance of chromosomes 2	1448635_at	-1.55	0.0018	942
1455851_at		1455851_at	1.55	0.0102	943

1441380_at		1441380_at	-1.55	5.00E-05	944
Lepr	leptin receptor	1425875_a_at	1.55	0.0024	945
Chi3l1	chitinase 3-like 1	1451537_at	1.55	0.0350	946
Flt3	FMS-like tyrosine kinase 3	1419538_at	-1.55	0.0070	947
Adcy1	adenylate cyclase 1	1456487_at	-1.55	0.0019	948
1455214_at		1455214_at	-1.55	0.0070	949
BB257461		1459388_at	-1.55	0.0274	950
Fgf10	fibroblast growth factor 10	1444344_at	-1.55	0.0300	951
D17H6S56E-5	DNA segment, Chr 17, human D6S56E 5	1417821_at	1.55	0.0204	952
Cat	catalase	1416430_at	1.55	0.0143	953
1435763_at		1435763_at	-1.55	0.0027	954
Adm	adrenomedullin	1416077_at	1.55	0.0112	955
Loxl1	lysyl oxidase-like 1	1451978_at	1.55	2.80E-05	956
1700080G18Rik	RIKEN cDNA 1700080G18 gene	1430055_at	1.54	0.0047	957
Snca	synuclein, alpha	1446391_at	-1.54	0.0094	958
Flywch2	FLYWCH family member 2	1424494_s_at	1.54	0.0019	959
A330008L17Rik	RIKEN cDNA A330008L17 gene	1439870_at	-1.54	4.10E-05	960
Tmem90b	transmembrane protein 90B	1437392_at	1.54	0.0345	961
Eif4ebp1	eukaryotic translation initiation factor 4E binding protein 1	1434976_x_at	1.54	0.0149	962
AV024133		1436787_x_at	-1.54	0.0003	963
Hs3st1	heparan sulfate (glucosamine) 3-O-sulfotransferase 1	1423450_a_at	-1.54	0.0010	964
Prkab2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	1435875_at	1.54	0.0149	965
Dleu7	deleted in lymphocytic leukemia, 7	1442180_at	-1.54	0.0172	966
Kntc1	kinetochore associated 1	1435575_at	-1.54	0.0027	967
1455967_at		1455967_at	-1.54	0.0043	968
Zfp2	zinc finger protein 2	1452025_a_at	-1.54	0.0098	969
Grik4	glutamate receptor, ionotropic, kainate 4	1437681_at	1.54	9.30E-05	970

Unc5c	unc-5 homolog C (C. elegans)	1439174_at	1.54	0.0428	971
X99384	cDNA sequence X99384	1448134_at	-1.54	0.0005	972
Ppfia4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF	1428578_s_at	1.54	0.0002	973
1455401_at		1455401_at	1.54	0.0029	974
Me3	malic enzyme 3, NADP(+)-dependent, mitochondrial	1429071_at	-1.54	0.0002	975
Oprd1	opioid receptor, delta 1	1422121_at	1.54	0.0007	976
Rnf19b	ring finger protein 19B	1435226_at	1.54	0.0071	977
Npnt	nephronectin	1426561_a_at	-1.54	0.0004	978
Spsb1	splA/ryanodine receptor domain and SOCS box containing 1	1420150_at	1.54	0.0086	979
Camk1	calcium/calmodulin-dependent protein kinase I	1417604_at	1.54	0.0014	980
Igsf9	immunoglobulin superfamily, member 9	1420518_a_at	1.54	0.0105	981
Fam19a2	family with sequence similarity 19, member A2	1438007_at	-1.54	0.0050	982
Aff3	AF4/FMR2 family, member 3	1430435_at	1.53	0.0013	983
Rian	RNA imprinted and accumulated in nucleus	1428055_at	1.53	0.0234	984
Cat	catalase	1416429_a_at	1.53	0.0086	985
Ccdc74a	coiled-coil domain containing 74A	1436105_at	-1.53	0.0035	986
Tspan18	tetraspanin 18	1429856_at	-1.53	0.0068	987
1440209_at		1440209_at	-1.53	0.0093	988
Prkd1	protein kinase D1	1447623_s_at	-1.53	2.80E-06	989
Pik3r1	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p8	1425515_at	1.53	0.0360	990
Ccdc21	coiled-coil domain containing 21	1451212_at	1.53	2.80E-05	991
Faim2	Fas apoptotic inhibitory molecule 2	1455410_at	-1.53	0.0266	992
Meg3	maternally expressed 3	1426758_s_at	1.53	0.0032	993
Mtrr	5-methyltetrahydrofolate-homocysteine methyltransferase reducta	1452110_at	-1.53	0.0021	994
Pla2g4a	phospholipase A2, group IVA (cytosolic, calcium-dependent)	1448558_a_at	1.53	0.0372	995
Atp11c	ATPase, class VI, type 11C	1445379_at	1.53	0.0075	996
Hpcal1	hippocalcin-like 1	1448812_at	-1.53	0.0009	997

Hpca	hippocalcin	1425833_a_at	1.53	0.0194	998
Numbl	numb-like	1416491_at	1.53	0.0093	999
Rasa1	RAS p21 protein activator 1	1426477_at	-1.53	2.20E-06	1000
Lgals8	lectin, galactose binding, soluble 8	1422662_at	1.53	0.0015	1001
1453994_at		1453994_at	-1.53	0.0032	1002
Ppic	peptidylprolyl isomerase C	1416498_at	-1.53	0.0030	1003
Smc2	structural maintenance of chromosomes 2	1429658_a_at	-1.53	0.0183	1004
1700016K19Rik	RIKEN cDNA 1700016K19 gene	1436593_at	1.53	0.0008	1005
Mageb16	melanoma antigen family B, 16	1429701_at	-1.53	0.0027	1006
1435787_at		1435787_at	-1.53	0.0006	1007
Esyt3	extended synaptotagmin-like protein 3	1456481_at	-1.53	0.0083	1008
Lin7a	lin-7 homolog A (C. elegans)	1435805_at	1.53	2.40E-06	1009
Ccne2	cyclin E2	1422535_at	-1.53	2.40E-06	1010
Sv2c	synaptic vesicle glycoprotein 2c	1460142_at	1.53	0.0186	1011
Map2k6	mitogen-activated protein kinase kinase 6	1426850_a_at	-1.53	0.0005	1012
Gprc5b	G protein-coupled receptor, family C, group 5, member B	1424613_at	1.53	2.20E-05	1013
Gm3837	predicted gene 3837	1445929_at	-1.53	0.0013	1014
1452819_at		1452819_at	1.53	0.0041	1015
Onecut2	one cut domain, family member 2	1440005_at	-1.53	0.0049	1016
1438540_at		1438540_at	-1.53	0.0184	1017
Itih2	inter-alpha trypsin inhibitor, heavy chain 2	1417618_at	1.52	0.0239	1018
Dgkh	diacylglycerol kinase, eta	1457213_a_at	-1.52	0.0072	1019
Hspa1b	heat shock protein 1B	1427126_at	-1.52	0.0269	1020
Hsph1	heat shock 105kDa/110kDa protein 1	1425993_a_at	1.52	0.0362	1021
Tac2	tachykinin 2	1419411_at	1.52	0.0041	1022
Ctsh	cathepsin H	1443814_x_at	1.52	0.0363	1023
Dnm3	dynamamin 3	1436624_at	-1.52	0.0073	1024

Rgag4	retrotransposon gag domain containing 4	1435419_at	1.52	0.0027	1025
Cidea	cell death-inducing DNA fragmentation factor, alpha subunit-like e	1417956_at	-1.52	0.0006	1026
Galnt3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyl-galact	1417588_at	-1.52	0.0015	1027
Pnma2	paraneoplastic antigen MA2	1437018_at	-1.52	0.0011	1028
Prtn3	proteinase 3	1419669_at	1.52	0.0197	1029
Trpc5	transient receptor potential cation channel, subfamily C, member 5	1422048_at	-1.52	0.0012	1030
Tox	thymocyte selection-associated high mobility group box	1458974_at	-1.52	0.0098	1031
Myh3	myosin, heavy polypeptide 3, skeletal muscle, embryonic	1427115_at	-1.52	0.0121	1032
Zfand2b	zinc finger, AN1 type domain 2B	1424521_at	1.52	0.0030	1033
Pcsk2	proprotein convertase subtilisin/kexin type 2	1448312_at	1.52	0.0048	1034
Filip1l	filamin A interacting protein 1-like	1428861_at	1.52	0.0028	1035
1437401_at		1437401_at	1.52	9.00E-05	1036
Mgat5b	mannoside acetylglucosaminyltransferase 5, isoenzyme B	1434531_at	-1.52	0.0234	1037
1426476_at		1426476_at	-1.52	3.60E-05	1038
Sdk2	sidekick homolog 2 (chicken)	1430425_at	-1.52	0.0003	1039
Osbpl3	oxysterol binding protein-like 3	1428484_at	-1.52	0.0073	1040
AV324524		1458180_at	1.52	0.0120	1041
Pfkp	phosphofructokinase, platelet	1416069_at	1.52	0.0013	1042
Anxa4	annexin A4	1421223_a_at	1.52	0.0357	1043
Hspa1b	heat shock protein 1B	1452318_a_at	-1.52	0.0084	1044
1455555_at		1455555_at	-1.52	0.0114	1045
1459791_at		1459791_at	1.51	0.0030	1046
Map3k4	mitogen-activated protein kinase kinase kinase 4	1421450_a_at	-1.51	0.0198	1047
Slc24a4	solute carrier family 24 (sodium/potassium/calcium exchanger), m	1435206_at	1.51	0.0026	1048
Mm.443802		1440148_at	-1.51	0.0227	1049
Pros1	protein S (alpha)	1426246_at	1.51	0.0114	1050
1457235_at		1457235_at	-1.51	0.0057	1051

Pde2a	phosphodiesterase 2A, cGMP-stimulated	1452202_at	1.51	3.30E-05	1052
Dab2	disabled homolog 2 (Drosophila)	1420498_a_at	1.51	0.0057	1053
Tanc1	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing	1452714_at	1.51	0.0080	1054
Camkk2	calcium/calmodulin-dependent protein kinase kinase 2, beta	1424474_a_at	1.51	0.0057	1055
Jag1	jagged 1	1421106_at	-1.51	0.0050	1056
Gm9853	predicted gene 9853	1434337_at	-1.51	0.0365	1057
Elmod1	ELMO domain containing 1	1434083_a_at	-1.51	0.0105	1058
Apod	apolipoprotein D	1444564_at	1.51	0.0418	1059
Kcnd2	potassium voltage-gated channel, Shal-related family, member 2	1446065_at	-1.51	0.0135	1060
Tgif2	TGFB-induced factor homeobox 2	1434400_at	1.51	0.0387	1061
9330182L06Rik	RIKEN cDNA 9330182L06 gene	1435583_at	-1.51	9.80E-05	1062
Sox11	SRY-box containing gene 11	1429372_at	1.51	0.0004	1063
1424476_at		1424476_at	1.51	0.0017	1064
Lingo3	leucine rich repeat and Ig domain containing 3	1456838_at	1.51	0.0112	1065
Pfkp	phosphofructokinase, platelet	1430634_a_at	1.51	0.0031	1066
Matn4	matrilin 4	1418464_at	-1.51	0.0008	1067
Mm.381592		1443270_at	-1.51	0.0152	1068
1439848_at		1439848_at	-1.51	0.0029	1069
Col18a1	collagen, type XVIII, alpha 1	1426955_at	1.51	3.60E-05	1070
Marveld2	MARVEL (membrane-associating) domain containing 2	1426914_at	-1.51	0.0002	1071
Iqsec3	IQ motif and Sec7 domain 3	1437912_at	1.51	2.30E-05	1072
Ogt	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetyl	1436780_at	1.51	0.0029	1073
1434283_at		1434283_at	-1.51	0.0215	1074
Mm.375324		1443728_at	-1.51	0.0136	1075
Pde4d	phosphodiesterase 4D, cAMP specific	1459311_at	1.51	0.0125	1076
Fam123c	family with sequence similarity 123, member C	1436407_at	-1.51	0.0007	1077
Ccdc28b	coiled coil domain containing 28B	1452937_s_at	-1.51	0.0002	1078



Gabra5	gamma-aminobutyric acid (GABA) A receptor, subunit alpha 5	1433602_at	-1.51	0.0341	1079
Lrrn3	leucine rich repeat protein 3, neuronal	1434539_at	-1.51	0.0110	1080
Iigp1	interferon inducible GTPase 1	1419042_at	-1.51	0.0345	1081
1443982_at		1443982_at	-1.51	0.0109	1082
Trhr	thyrotropin releasing hormone receptor	1449572_at	-1.50	0.0054	1083
Col4a1	collagen, type IV, alpha 1	1426348_at	1.50	0.0300	1084
Ptger2	prostaglandin E receptor 2 (subtype EP2)	1449310_at	-1.50	0.0257	1085
1455426_at		1455426_at	1.50	0.0009	1086
Iqca	IQ motif containing with AAA domain	1435992_at	-1.50	0.0003	1087
Kcnj10	potassium inwardly-rectifying channel, subfamily J, member 10	1419601_at	1.50	0.0078	1088
Grm3	glutamate receptor, metabotropic 3	1430136_at	-1.50	0.0003	1089
Prr15	proline rich 15	1452473_at	-1.50	0.0042	1090
1430303_at		1430303_at	1.50	0.0011	1091
Mm.308721		1459675_at	-1.50	0.0062	1092
1440845_at		1440845_at	-1.50	0.0031	1093
Prkcc	protein kinase C, gamma	1421446_at	1.50	9.40E-05	1094
1435874_at		1435874_at	1.50	0.0202	1095
Ier3	immediate early response 3	1419647_a_at	1.50	0.0361	1096
Lck	lymphocyte protein tyrosine kinase	1425396_a_at	-1.50	0.0037	1097
Adamts15	a disintegrin-like and metallopeptidase (reprolysin type) with throm	1427056_at	-1.50	0.0005	1098
Pdlim5	PDZ and LIM domain 5	1421413_a_at	-1.50	0.0078	1099
Fkbp7	FK506 binding protein 7	1416803_at	1.50	0.0066	1100
Pter	phosphotriesterase related	1453578_at	-1.50	0.0004	1101
Foxp2	forkhead box P2	1438231_at	1.50	0.0047	1102
1455452_x_at		1455452_x_at	-1.50	0.0090	1103
Pxdn	peroxidasin homolog (Drosophila)	1428259_at	1.50	2.60E-05	1104
Ccdc67	coiled-coil domain containing 67	1456555_at	-1.50	0.0001	1105

Pcdh7	protocadherin 7	1449249_at	1.50	0.0070	1106
Lrfn5	leucine rich repeat and fibronectin type III domain containing 5	1454687_at	-1.50	0.0038	1107
Unc13c	unc-13 homolog C (C. elegans)	1437319_at	1.50	0.0209	1108
E030049G20Rik	RIKEN cDNA E030049G20 gene	1444086_at	-1.50	0.0094	1109
P4ha1	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase)	1452094_at	1.50	0.0163	1110
Emilin1	elastin microfibril interfacier 1	1416414_at	1.50	0.0007	1111
1430286_s_at		1430286_s_at	-1.49	0.0009	1112
Pvt1	plasmacytoma variant translocation 1	1452324_at	-1.49	0.0001	1113
Ms4a6d	membrane-spanning 4-domains, subfamily A, member 6D	1419599_s_at	1.49	0.0265	1114
Upk1b	uroplakin 1B	1455464_x_at	-1.49	0.0016	1115
1453002_at		1453002_at	1.49	0.0007	1116
Pdyn	prodynorphin	1416266_at	1.49	0.0040	1117
Mpp7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member)	1454158_at	1.49	0.0310	1118
Fjx1	four jointed box 1 (Drosophila)	1422733_at	-1.49	0.0095	1119
Krt2	keratin 2	1427154_at	1.49	0.0363	1120
9930013L23Rik	RIKEN cDNA 9930013L23 gene	1429987_at	-1.49	0.0195	1121
Fgf10	fibroblast growth factor 10	1420690_at	-1.49	0.0288	1122
Ifit1	interferon-induced protein with tetratricopeptide repeats 1	1450783_at	1.49	0.0456	1123
Sox8	SRY-box containing gene 8	1435438_at	-1.49	0.0079	1124
Vav3	vav 3 oncogene	1448600_s_at	-1.49	0.0016	1125
Phlda1	pleckstrin homology-like domain, family A, member 1	1418835_at	1.49	0.0013	1126
Snhg11	small nucleolar RNA host gene 11 (non-protein coding)	1434292_at	1.49	0.0373	1127
Mm.379455		1437621_x_at	-1.49	0.0084	1128
Grasp	GRP1 (general receptor for phosphoinositides 1)-associated scaffolding protein	1441894_s_at	1.49	0.0223	1129
Capn5	calpain 5	1418671_at	-1.49	0.0191	1130
Lepr	leptin receptor	1425644_at	1.49	0.0384	1131
BB354954		1444359_at	1.49	0.0001	1132

Slc25a29	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine tra	1423980_at	-1.49	0.0384	1133
Actn2	actinin alpha 2	1448327_at	-1.49	3.60E-05	1134
Sulf1	sulfatase 1	1457402_at	1.49	0.0005	1135
C1ql3	C1q-like 3	1425176_at	-1.48	0.0151	1136
Kras	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	1426229_s_at	1.48	0.0003	1137
Tspan18	tetraspanin 18	1437095_at	-1.48	0.0043	1138
1436582_at		1436582_at	-1.48	0.0176	1139
Tnfaip3	tumor necrosis factor, alpha-induced protein 3	1433699_at	1.48	0.0019	1140
Mm.202577		1457973_at	-1.48	0.0096	1141
Cd163	CD163 antigen	1419144_at	1.48	0.0344	1142
Sema4a	sema domain, immunoglobulin domain (Ig), transmembrane domain (	1438934_x_at	1.48	0.0467	1143
Dnm3	dynamamin 3	1445540_at	-1.48	0.0032	1144
Gls	glutaminase	1436299_at	1.48	1.50E-05	1145
Adamts9	a disintegrin-like and metallopeptidase (reprolysin type) with throm	1437785_at	-1.48	0.0004	1146
Limch1	LIM and calponin homology domains 1	1435106_at	-1.48	5.60E-07	1147
Garnl4	GTPase activating RANGAP domain-like 4	1434754_at	-1.48	0.0329	1148
Mmd	monocyte to macrophage differentiation-associated	1435645_at	1.48	0.0062	1149
1447551_x_at		1447551_x_at	1.48	0.0287	1150
Hes6	hairy and enhancer of split 6 (Drosophila)	1436050_x_at	-1.48	0.0430	1151
C030005H24Rik	RIKEN cDNA C030005H24 gene	1432547_at	-1.48	0.0181	1152
Ccnt2	cyclin T2	1427088_at	1.48	0.0408	1153
1438428_at		1438428_at	-1.48	0.0349	1154
Bgn	biglycan	1437889_x_at	1.48	0.0109	1155
Grk5	G protein-coupled receptor kinase 5	1449514_at	-1.48	0.0107	1156
1439773_at		1439773_at	-1.48	0.0299	1157
Ust	uronyl-2-sulfotransferase	1458897_at	-1.48	0.0042	1158
D8Ert82e	DNA segment, Chr 8, ERATO Doi 82, expressed	1442434_at	1.48	0.0145	1159

Nptxr	neuronal pentraxin receptor	1434270_at	1.48	0.0001	1160
Pcdhb3	protocadherin beta 3	1420429_at	1.48	0.0002	1161
Dbc1	deleted in bladder cancer 1 (human)	1417318_at	1.48	0.0044	1162
Notch1	Notch gene homolog 1 (Drosophila)	1418634_at	1.48	0.0005	1163
BB120334		1446264_at	-1.48	0.0007	1164
6430520M22Rik	RIKEN cDNA 6430520M22 gene	1457096_at	1.48	0.0197	1165
Slc14a1	solute carrier family 14 (urea transporter), member 1	1428114_at	1.48	0.0344	1166
Map3k4	mitogen-activated protein kinase kinase kinase 4	1447667_x_at	-1.48	0.0022	1167
Cmya5	cardiomyopathy associated 5	1427312_at	-1.48	9.40E-06	1168
1441087_at		1441087_at	-1.47	0.0012	1169
Acer2	alkaline ceramidase 2	1451355_at	1.47	0.0065	1170
Ablim3	actin binding LIM protein family, member 3	1446069_at	-1.47	0.0172	1171
Scara5	scavenger receptor class A, member 5 (putative)	1451204_at	1.47	0.0113	1172
H2-D1	histocompatibility 2, D region locus 1	1427651_x_at	1.47	0.0434	1173
Hmgb3	high mobility group box 3	1416155_at	1.47	0.0066	1174
1429400_at		1429400_at	1.47	0.0011	1175
Stmn1	stathmin 1	1415849_s_at	-1.47	0.0215	1176
1446144_at		1446144_at	-1.47	0.0054	1177
BC023969	cDNA sequence BC023969	1445226_at	-1.47	0.0003	1178
1441914_x_at		1441914_x_at	1.47	0.0495	1179
Obfc2a	oligonucleotide/oligosaccharide-binding fold containing 2A	1452203_at	-1.47	0.0031	1180
Hist3h2a	histone cluster 3, H2a	1435866_s_at	-1.47	9.40E-05	1181
1448079_at		1448079_at	1.47	0.0058	1182
Tmem132a	transmembrane protein 132A	1416845_at	-1.47	0.0018	1183
Stmn1	stathmin 1	1448113_at	-1.47	0.0432	1184
Gm10397	predicted gene 10397	1435740_at	1.47	0.0017	1185
Sntb2	syntrophin, basic 2	1449840_at	1.47	0.0399	1186

1446769_at		1446769_at	-1.47	9.60E-05	1187
Itga7	integrin alpha 7	1418393_a_at	-1.47	8.80E-05	1188
Ccdc28b	coiled coil domain containing 28B	1459840_s_at	-1.47	0.0001	1189
Tmsb10	thymosin, beta 10	1455946_x_at	1.47	0.0049	1190
Lrrn1	leucine rich repeat protein 1, neuronal	1416053_at	-1.47	0.0001	1191
Ssbp3	single-stranded DNA binding protein 3	1439136_at	1.47	0.0146	1192
Chd3	chromodomain helicase DNA binding protein 3	1428466_at	-1.47	0.0040	1193
Six6os1	Six6 opposite strand transcript 1	1431393_at	-1.47	0.0475	1194
Cebpa	CCAAT/enhancer binding protein (C/EBP), alpha	1418982_at	1.47	0.0019	1195
Fam181b	family with sequence similarity 181, member B	1442800_x_at	-1.47	0.0001	1196
BG065719		1456319_at	1.47	0.0102	1197
Mm.39691		1438889_at	-1.47	0.0004	1198
Unc13c	unc-13 homolog C (C. elegans)	1455304_at	1.47	0.0281	1199
Dleu2	deleted in lymphocytic leukemia, 2	1445831_at	1.47	0.0011	1200
Zfp37	zinc finger protein 37	1449391_at	-1.47	0.0004	1201
Slitrk2	SLIT and NTRK-like family, member 2	1441483_at	-1.47	0.0006	1202
1434831_a_at		1434831_a_at	1.47	3.60E-05	1203
	1-Mar membrane-associated ring finger (C3HC4) 1	1434955_at	-1.46	0.0164	1204
Siae	sialic acid acetyltransferase	1416538_at	1.46	0.0218	1205
Hdac1	histone deacetylase 1	1448246_at	-1.46	2.40E-06	1206
Ano3	anoctamin 3	1443612_at	1.46	0.0005	1207
1431225_at		1431225_at	1.46	0.0012	1208
Limch1	LIM and calponin homology domains 1	1445398_at	-1.46	0.0131	1209
1446228_at		1446228_at	-1.46	0.0331	1210
Dcbld1	discoidin, CUB and LCCL domain containing 1	1418966_a_at	-1.46	0.0141	1211
Cyth1	cytohesin 1	1418183_a_at	-1.46	0.0212	1212
1456722_at		1456722_at	-1.46	0.0031	1213

Itga1	integrin alpha 1	1455251_at	1.46	0.0447	1214
1442828_at		1442828_at	1.46	0.0181	1215
Pknox1	Pbx/knotted 1 homeobox	1421233_at	1.46	0.0037	1216
AI785329		1449602_at	-1.46	0.0345	1217
Mamdc2	MAM domain containing 2	1453152_at	1.46	0.0226	1218
Ecm1	extracellular matrix protein 1	1448613_at	1.46	0.0359	1219
1434564_at		1434564_at	1.46	0.0448	1220
Abcc8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	1457066_at	-1.46	0.0037	1221
Rasd2	RASD family, member 2	1427343_at	1.46	0.0105	1222
Twist1	twist homolog 1 (Drosophila)	1418733_at	-1.46	0.0006	1223
Mm.434948		1445880_at	-1.46	0.0308	1224
Serpinh1	serine (or cysteine) peptidase inhibitor, clade H, member 1	1456733_x_at	1.46	0.0434	1225
Gpr182	G protein-coupled receptor 182	1418554_at	1.46	0.0154	1226
Rapgef2	Rap guanine nucleotide exchange factor (GEF) 2	1459219_at	-1.46	0.0069	1227
Jak2	Janus kinase 2	1421065_at	1.46	0.0002	1228
1458550_at		1458550_at	-1.46	0.0131	1229
Gm1337	predicted gene 1337	1443287_at	-1.46	0.0046	1230
1457061_at		1457061_at	1.46	0.0004	1231
Syce2	synaptonemal complex central element protein 2	1429270_a_at	-1.46	0.0171	1232
Trp63	transformation related protein 63	1418158_at	-1.46	0.0263	1233
Atp6v1c2	ATPase, H <sup>+</sup> transporting, lysosomal V1 subunit C2	1430306_a_at	-1.46	0.0110	1234
BB131963		1439265_at	1.46	0.0030	1235
Col4a1	collagen, type IV, alpha 1	1452035_at	1.46	0.0352	1236
1435926_at		1435926_at	1.46	0.0242	1237
Apol8	apolipoprotein L 8	1441054_at	-1.45	0.0110	1238
Trpa1	transient receptor potential cation channel, subfamily A, member 1	1457164_at	-1.45	0.0006	1239
Itga1	integrin alpha 1	1441972_at	1.45	0.0252	1240

Slit3	slit homolog 3 (Drosophila)	1440561_at	-1.45	0.0013	1241
Stx2	syntaxin 2	1418164_at	-1.45	0.0029	1242
Tm4sf1	transmembrane 4 superfamily member 1	1450958_at	1.45	0.0085	1243
Gnal	guanine nucleotide binding protein, alpha stimulating, olfactory type	1439957_at	-1.45	0.0039	1244
Kif21b	kinesin family member 21B	1435772_at	1.45	0.0030	1245
Zmat4	zinc finger, matrin type 4	1433959_at	-1.45	0.0131	1246
1435703_at		1435703_at	1.45	0.0185	1247
Gm2149	predicted gene 2149	1439657_at	-1.45	0.0051	1248
Mas1	MAS1 oncogene	1422936_at	-1.45	0.0020	1249
Gatsl2	GATS protein-like 2	1437252_at	-1.45	0.0069	1250
Aqp11	aquaporin 11	1455411_at	-1.45	0.0159	1251
Filip1	filamin A interacting protein 1	1436650_at	-1.45	0.0114	1252
Cdh13	cadherin 13	1454015_a_at	-1.45	0.0046	1253
Slc13a3	solute carrier family 13 (sodium-dependent dicarboxylate transport	1438377_x_at	1.45	0.0336	1254
Mm.48676		1435120_at	-1.45	0.0003	1255
Rps6ka3	ribosomal protein S6 kinase polypeptide 3	1427299_at	1.45	0.0076	1256
Sh3d19	SH3 domain protein D19	1445781_at	-1.45	0.0356	1257
Acta1	actin, alpha 1, skeletal muscle	1427735_a_at	1.45	0.0448	1258
Palm2	paralemmin 2	1441055_at	-1.45	0.0007	1259
Lgi1	leucine-rich repeat LGI family, member 1	1423183_at	-1.45	0.0003	1260
Elmo2	engulfment and cell motility 2, ced-12 homolog (C. elegans)	1436011_at	-1.45	0.0007	1261
Dazl	deleted in azoospermia-like	1449502_at	-1.45	0.0059	1262
Kremen1	kringle containing transmembrane protein 1	1435472_at	1.45	0.0134	1263
1458413_at		1458413_at	1.45	0.0385	1264
Mm.39155		1440056_at	-1.45	0.0023	1265
Rlbp1l2	retinaldehyde binding protein 1-like 2	1446157_at	-1.45	0.0229	1266
Tub	tubby candidate gene	1420925_at	-1.45	0.0046	1267

Limch1	LIM and calponin homology domains 1	1435321_at	-1.45	1.10E-05	1268
1433909_at		1433909_at	-1.45	0.0278	1269
1420836_at		1420836_at	1.45	0.0394	1270
Dot1l	DOT1-like, histone H3 methyltransferase ( <i>S. cerevisiae</i> )	1457268_at	1.45	0.0036	1271
Lgi2	leucine-rich repeat LGI family, member 2	1457040_at	-1.45	0.0226	1272
Sept3	septin 3	1439833_at	-1.45	4.00E-06	1273
L3mbtl3	l(3)mbt-like 3 ( <i>Drosophila</i> )	1454882_at	1.45	0.0036	1274
Tex9	testis expressed gene 9	1453360_a_at	1.45	0.0050	1275
Mm.428426		1442406_at	1.44	0.0041	1276
Gbp1	guanylate binding protein 1	1420549_at	1.44	0.0450	1277
Adm	adrenomedullin	1447839_x_at	1.44	0.0047	1278
Ctdspl	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A)	1422510_at	-1.44	0.0494	1279
Cyth4	cytohesin 4	1460437_at	-1.44	0.0001	1280
Zfand2b	zinc finger, AN1 type domain 2B	1451390_s_at	1.44	0.0047	1281
1458183_at		1458183_at	-1.44	0.0212	1282
Smoc2	SPARC related modular calcium binding 2	1431362_a_at	-1.44	0.0205	1283
Prkar2b	protein kinase, cAMP dependent regulatory, type II beta	1456475_s_at	1.44	0.0002	1284
Apcdd1	adenomatosis polyposis coli down-regulated 1	1449070_x_at	-1.44	0.0077	1285
Cc2d2a	coiled-coil and C2 domain containing 2A	1436426_at	-1.44	0.0183	1286
Meg3	maternally expressed 3	1452183_a_at	1.44	0.0010	1287
Serpib8	serine (or cysteine) peptidase inhibitor, clade B, member 8	1458882_at	1.44	0.0479	1288
Adamts9	a disintegrin-like and metallopeptidase (reprolysin type) with throm	1430352_at	-1.44	0.0275	1289
BB457124		1441220_at	-1.44	0.0116	1290
BG797916		1429977_at	-1.44	0.0190	1291
Nck2	non-catalytic region of tyrosine kinase adaptor protein 2	1458432_at	-1.44	0.0108	1292
Lpl	lipoprotein lipase	1415904_at	1.44	0.0037	1293
1434211_at		1434211_at	-1.44	0.0157	1294



Samd12	sterile alpha motif domain containing 12	1458114_at	1.44	0.0274	1295
Npm3	nucleoplasmin 3	1423522_at	-1.44	0.0020	1296
Slit2	slit homolog 2 (Drosophila)	1446392_at	-1.44	0.0011	1297
Agfg1	ArfGAP with FG repeats 1	1452237_at	1.44	0.0093	1298
Magi1	membrane associated guanylate kinase, WW and PDZ domain cont	1427246_at	-1.44	0.0014	1299
Rbm20	RNA binding motif protein 20	1429024_at	-1.44	0.0138	1300
H2-Aa	histocompatibility 2, class II antigen A, alpha	1452431_s_at	1.44	0.0396	1301
Rabgap1l	RAB GTPase activating protein 1-like	1434062_at	1.44	6.50E-06	1302
B230120H23Rik	RIKEN cDNA B230120H23 gene	1435029_at	-1.44	0.0052	1303
3100003M19Rik	RIKEN cDNA 3100003M19 gene	1431880_at	-1.44	0.0034	1304
1459801_at		1459801_at	-1.44	0.0011	1305
2310051F07Rik	RIKEN cDNA 2310051F07 gene	1435636_at	1.44	0.0064	1306
Mm.31331		1436630_at	-1.44	0.0320	1307
Smoc1	SPARC related modular calcium binding 1	1448321_at	1.44	0.0132	1308
Fam102b	family with sequence similarity 102, member B	1455033_at	-1.44	4.70E-06	1309
Fam53b	family with sequence similarity 53, member B	1447176_at	1.44	0.0103	1310
Rasgrf1	RAS protein-specific guanine nucleotide-releasing factor 1	1422600_at	-1.44	1.50E-05	1311
Cat	catalase	1441413_at	1.44	0.0115	1312
Ccl27a	chemokine (C-C motif) ligand 27A	1430375_a_at	-1.44	2.10E-08	1313
Phgdh	3-phosphoglycerate dehydrogenase	1426657_s_at	-1.44	0.0022	1314
Zfp462	zinc finger protein 462	1439106_at	-1.44	0.0011	1315
Aff1	AF4/FMR2 family, member 1	1418135_at	-1.44	0.0210	1316
Fam65b	family with sequence similarity 65, member B	1438995_at	-1.44	0.0167	1317
Gas7	growth arrest specific 7	1417859_at	1.44	0.0117	1318
Lmo4	LIM domain only 4	1439651_at	1.44	0.0027	1319
Ssbp3	single-stranded DNA binding protein 3	1427917_s_at	1.44	0.0015	1320
Plbd2	phospholipase B domain containing 2	1423425_at	1.44	0.0462	1321

Cd38	CD38 antigen	1433741_at	1.44	0.0042	1322
1436239_at		1436239_at	1.44	0.0103	1323
1700012A16Rik	RIKEN cDNA 1700012A16 gene	1429324_at	-1.44	0.0493	1324
Sgk1	serum/glucocorticoid regulated kinase 1	1416041_at	1.43	0.0315	1325
1439488_at		1439488_at	1.43	0.0090	1326
Lphn3	latrophilin 3	1428523_at	1.43	0.0368	1327
Tgfb1	transforming growth factor, beta induced	1437463_x_at	1.43	0.0096	1328
Chsy3	chondroitin sulfatase 3	1429417_at	1.43	0.0258	1329
1453330_at		1453330_at	1.43	0.0011	1330
Cald1	caldesmon 1	1445965_at	-1.43	0.0070	1331
Apcdd1	adenomatosis polyposis coli down-regulated 1	1454822_x_at	-1.43	0.0092	1332
9430091N11Rik	RIKEN cDNA 9430091N11 gene	1442352_at	-1.43	0.0061	1333
LOC626082	hypothetical protein LOC626082	1446181_at	-1.43	0.0075	1334
Ttyh1	tweety homolog 1 (Drosophila)	1426617_a_at	1.43	0.0015	1335
Itga4	integrin alpha 4	1421194_at	-1.43	0.0006	1336
Ppm1l	protein phosphatase 1 (formerly 2C)-like	1438012_at	-1.43	0.0037	1337
Slc9a5	solute carrier family 9 (sodium/hydrogen exchanger), member 5	1455760_at	-1.43	0.0083	1338
Lphn2	latrophilin 2	1434111_at	1.43	0.0263	1339
Hist3h2a	histone cluster 3, H2a	1455712_at	-1.43	3.60E-06	1340
C77406	expressed sequence C77406	1442500_at	1.43	0.0470	1341
Prkg2	protein kinase, cGMP-dependent, type II	1435460_at	-1.43	0.0104	1342
Samd14	sterile alpha motif domain containing 14	1454630_at	-1.43	0.0111	1343
Gm7420	predicted gene 7420	1444993_at	-1.43	0.0444	1344
Pdlim5	PDZ and LIM domain 5	1442710_at	-1.43	0.0012	1345
BB271581		1439888_at	1.43	0.0066	1346
Rlbp1l2	retinaldehyde binding protein 1-like 2	1437292_at	-1.43	0.0004	1347
Ddo	D-aspartate oxidase	1439096_at	1.43	0.0088	1348

Kcnp4	Kv channel interacting protein 4	1437631_at	-1.43	0.0210	1349
Mm.83593		1441037_at	-1.43	0.0169	1350
Dusp15	dual specificity phosphatase-like 15	1426189_at	1.43	0.0021	1351
Nos1ap	nitric oxide synthase 1 (neuronal) adaptor protein	1430442_at	-1.43	0.0026	1352
Upk1b	uroplakin 1B	1439760_x_at	-1.43	8.70E-05	1353
C030009J22Rik	RIKEN cDNA C030009J22 gene	1458386_at	1.43	0.0099	1354
AV254043		1439944_at	-1.43	0.0055	1355
Slit2	slit homolog 2 (Drosophila)	1442322_at	-1.43	0.0053	1356
1700019E19Rik	RIKEN cDNA 1700019E19 gene	1432494_a_at	1.43	0.0038	1357
Gm8350	predicted gene 8350	1447550_at	-1.43	0.0005	1358
Alcam	activated leukocyte cell adhesion molecule	1426300_at	-1.43	0.0031	1359
Mpzl2	myelin protein zero-like 2	1448265_x_at	1.43	0.0126	1360
Ctsc	cathepsin C	1416382_at	1.43	0.0446	1361
Gmpr	guanosine monophosphate reductase	1448530_at	-1.43	6.00E-07	1362
Gm4988	predicted gene 4988	1446174_at	-1.43	0.0499	1363
Hace1	HECT domain and ankyrin repeat containing, E3 ubiquitin protein li	1452278_a_at	-1.43	0.0013	1364
Nptxr	neuronal pentraxin receptor	1421181_at	1.43	4.90E-05	1365
Rgl1	ral guanine nucleotide dissociation stimulator,-like 1	1440662_at	-1.43	0.0057	1366
Hpca	hippocalcin	1450930_at	1.43	0.0157	1367
1458469_at		1458469_at	-1.43	0.0359	1368
Map3k4	mitogen-activated protein kinase kinase kinase 4	1450253_a_at	-1.43	0.0072	1369
Phgdh	3-phosphoglycerate dehydrogenase	1454714_x_at	-1.43	0.0062	1370
Prkd1	protein kinase D1	1422673_at	-1.43	0.0003	1371
Kcnf1	potassium voltage-gated channel, subfamily F, member 1	1441300_at	-1.43	0.0021	1372
1446511_at		1446511_at	-1.43	0.0081	1373
Bin3	bridging integrator 3	1417691_at	1.43	0.0040	1374
Tox	thymocyte selection-associated high mobility group box	1425484_at	-1.43	0.0010	1375

Cxcr7	chemokine (C-X-C motif) receptor 7	1417625_s_at	-1.42	0.0030	1376
Gls2	glutaminase 2 (liver, mitochondrial)	1435245_at	1.42	0.0126	1377
Ptpnc	protein tyrosine phosphatase, receptor type, C	1422124_a_at	1.42	0.0483	1378
Phf13	PHD finger protein 13	1455175_at	1.42	0.0101	1379
Col18a1	collagen, type XVIII, alpha 1	1418237_s_at	1.42	0.0004	1380
1459961_a_at		1459961_a_at	1.42	0.0086	1381
Itpk1	inositol 1,3,4-triphosphate 5/6 kinase	1426733_at	1.42	0.0053	1382
Pde2a	phosphodiesterase 2A, cGMP-stimulated	1447707_s_at	1.42	1.90E-06	1383
Irgm1	immunity-related GTPase family M member 1	1418825_at	1.42	0.0268	1384
Arpp19	cAMP-regulated phosphoprotein 19	1450685_at	1.42	1.10E-06	1385
Susd4	sushi domain containing 4	1424221_at	1.42	0.0093	1386
Hrasls	HRAS-like suppressor	1422919_at	1.42	0.0014	1387
Pdgfd	platelet-derived growth factor, D polypeptide	1456532_at	1.42	0.0053	1388
Mm.449687		1446565_at	1.42	0.0010	1389
Rtn4r1	reticulon 4 receptor-like 1	1455664_at	1.42	0.0127	1390
1427162_a_at		1427162_a_at	1.42	0.0141	1391
Kirrel3	kin of IRRE like 3 (Drosophila)	1452728_at	-1.42	0.0003	1392
Tmcc3	transmembrane and coiled coil domains 3	1451794_at	1.42	0.0016	1393
Nsg2	neuron specific gene family member 2	1416107_at	-1.42	0.0020	1394
1452544_x_at		1452544_x_at	1.42	0.0284	1395
D7Ert558e	DNA segment, Chr 7, ERATO Doi 558, expressed	1458769_at	-1.42	0.0002	1396
Ache	acetylcholinesterase	1422635_at	1.42	0.0102	1397
Nr3c2	nuclear receptor subfamily 3, group C, member 2	1435991_at	-1.42	0.0131	1398
Stxbp3a	syntaxin binding protein 3A	1416653_at	1.42	0.0010	1399
Car10	carbonic anhydrase 10	1424547_at	1.42	0.0220	1400
1429918_at		1429918_at	-1.42	5.30E-06	1401
Ctsh	cathepsin H	1418365_at	1.42	0.0390	1402

1435940_at		1435940_at	-1.42	0.0334	1403
Ccl5	chemokine (C-C motif) ligand 5	1418126_at	1.42	0.0032	1404
BG076014		1445214_at	1.42	0.0111	1405
Tnfrsf1a	tumor necrosis factor receptor superfamily, member 1a	1417291_at	1.42	0.0454	1406
Nuf2	NUF2, NDC80 kinetochore complex component, homolog (S. cerevi	1430811_a_at	-1.42	0.0073	1407
Slco5a1	solute carrier organic anion transporter family, member 5A1	1440874_at	1.42	0.0075	1408
Timp3	tissue inhibitor of metalloproteinase 3	1449334_at	1.42	0.0049	1409
1810041L15Rik	RIKEN cDNA 1810041L15 gene	1429440_at	-1.42	0.0039	1410
Srgn	serglycin	1417426_at	1.42	0.0229	1411
Crtac1	cartilage acidic protein 1	1457474_at	1.42	0.0004	1412
Susd4	sushi domain containing 4	1444540_at	1.42	0.0366	1413
Pde4b	phosphodiesterase 4B, cAMP specific	1422474_at	1.41	0.0012	1414
1434592_at		1434592_at	-1.41	0.0051	1415
Acbd7	acyl-Coenzyme A binding domain containing 7	1430107_at	-1.41	0.0283	1416
Phgdh	3-phosphoglycerate dehydrogenase	1456471_x_at	-1.41	0.0154	1417
Lsm11	U7 snRNP-specific Sm-like protein LSM11	1439578_at	1.41	0.0256	1418
Sept6	septin 6	1420876_a_at	1.41	0.0009	1419
Nptxr	neuronal pentraxin receptor	1450147_at	1.41	0.0002	1420
Sh3bgr	SH3-binding domain glutamic acid-rich protein	1422644_at	1.41	0.0223	1421
2010300C02Rik	RIKEN cDNA 2010300C02 gene	1452861_at	-1.41	0.0030	1422
Mm.385245		1458697_at	-1.41	0.0270	1423
Hist2h2be	histone cluster 2, H2be	1447854_s_at	-1.41	0.0315	1424
Slc25a30	solute carrier family 25, member 30	1420835_at	1.41	0.0212	1425
Btbd3	BTB (POZ) domain containing 3	1425660_at	-1.41	0.0387	1426
1455688_at		1455688_at	1.41	0.0041	1427
Tiam2	T-cell lymphoma invasion and metastasis 2	1420146_at	-1.41	0.0042	1428
Notch1	Notch gene homolog 1 (Drosophila)	1418633_at	1.41	0.0008	1429

NM_133929		1449056_at	1.41	5.70E-06	1430
Nmb	neuromedin B	1419405_at	-1.41	0.0047	1431
1429688_at		1429688_at	-1.41	0.0193	1432
Klf9	Kruppel-like factor 9	1436763_a_at	1.41	0.0002	1433
1449553_at		1449553_at	-1.41	1.50E-06	1434
AV165624		1430279_at	-1.41	0.0317	1435
Itga1	integrin alpha 1	1453188_at	1.41	0.0034	1436
1441079_at		1441079_at	-1.41	0.0080	1437
Tmtc4	transmembrane and tetratricopeptide repeat containing 4	1432360_a_at	-1.41	0.0005	1438
Mm.82621		1441066_at	-1.41	0.0007	1439
Dhx40	DEAH (Asp-Glu-Ala-His) box polypeptide 40	1428267_at	-1.41	0.0012	1440
Dusp26	dual specificity phosphatase 26 (putative)	1425848_a_at	1.41	0.0001	1441
Sbno2	strawberry notch homolog 2 (Drosophila)	1443721_x_at	1.41	0.0291	1442
Tcfcp2l1	transcription factor CP2-like 1	1418091_at	1.41	0.0113	1443
1444701_at		1444701_at	1.41	0.0021	1444
9030224M15Rik	RIKEN cDNA 9030224M15 gene	1439689_at	1.41	0.0307	1445
Tpm2	tropomyosin 2, beta	1419738_a_at	1.41	0.0077	1446
Spg21	spastic paraplegia 21 homolog (human)	1451036_at	1.41	0.0018	1447
Dtd1	D-tyrosyl-tRNA deacylase 1 homolog (S. cerevisiae)	1451040_at	-1.41	0.0014	1448
Ccnb1ip1	cyclin B1 interacting protein 1	1435998_at	1.41	0.0068	1449
Pvrl1	poliovirus receptor-related 1	1440131_at	1.41	0.0083	1450
Ensa	endosulfine alpha	1428620_at	1.41	0.0052	1451
Cks1b	CDC28 protein kinase 1b	1416698_a_at	1.41	0.0079	1452
6430547I21Rik	RIKEN cDNA 6430547I21 gene	1455537_at	-1.41	0.0245	1453
Sfxn2	sideroflexin 2	1435896_at	-1.41	0.0312	1454
Mm.288015		1442068_at	1.41	0.0008	1455
Bzw2	basic leucine zipper and W2 domains 2	1443227_at	-1.41	0.0100	1456

Mm.355811		1446474_at	-1.41	0.0177	1457
C230057M02Rik	RIKEN cDNA C230057M02 gene	1456364_at	-1.41	0.0235	1458
Slc16a2	solute carrier family 16 (monocarboxylic acid transporters), membe	1418445_at	-1.41	0.0075	1459
Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secr	1429348_at	1.41	6.70E-05	1460
1433854_at		1433854_at	1.41	0.0139	1461
Sntb2	syntrophin, basic 2	1436986_at	1.41	0.0454	1462
BB046190		1458045_at	1.41	0.0424	1463
1810041L15Rik	RIKEN cDNA 1810041L15 gene	1455515_at	-1.41	0.0005	1464
A430108G06Rik	RIKEN cDNA A430108G06 gene	1444137_at	1.41	0.0287	1465
Pde4b	phosphodiesterase 4B, cAMP specific	1422473_at	1.41	0.0006	1466
1437579_at		1437579_at	-1.41	0.0191	1467
Extl2	exostoses (multiple)-like 2	1422539_at	-1.41	0.0021	1468
Jak2	Janus kinase 2	1421066_at	1.41	4.70E-05	1469
Sgtb	small glutamine-rich tetratricopeptide repeat (TPR)-containing, be	1451529_at	1.41	0.0023	1470
Ust	uronyl-2-sulfotransferase	1437293_x_at	-1.41	4.10E-06	1471
Paqr6	progesterin and adipoQ receptor family member VI	1455216_at	1.41	0.0005	1472
1419827_s_at		1419827_s_at	1.40	0.0395	1473
Msh3	mutS homolog 3 (E. coli)	1424166_at	-1.40	2.60E-05	1474
D7Wsu130e	DNA segment, Chr 7, Wayne State University 130, expressed	1458040_at	-1.40	0.0122	1475
Asap1	ArfGAP with SH# domain, ankyrin repeat and PH domain1	1425572_a_at	1.40	0.0003	1476
Hrsp12	heat-responsive protein 12	1428326_s_at	1.40	0.0270	1477
1459253_at		1459253_at	1.40	0.0453	1478
Dnaja4	DnaJ (Hsp40) homolog, subfamily A, member 4	1418591_at	1.40	0.0008	1479
Bcor	BCL6 interacting corepressor	1429438_at	1.40	0.0489	1480
Rilpl1	Rab interacting lysosomal protein-like 1	1447852_x_at	1.40	0.0124	1481
Limd2	LIM domain containing 2	1460738_at	-1.40	0.0033	1482
Cela1	chymotrypsin-like elastase family, member 1	1423693_at	1.40	0.0399	1483

Ankrd57	ankyrin repeat domain 57	1454736_at	-1.40	1.00E-06	1484
Klf15	Kruppel-like factor 15	1448181_at	-1.40	0.0487	1485
Napa	N-ethylmaleimide sensitive fusion protein attachment protein alpha	1448243_at	1.40	0.0025	1486
Foxp2	forkhead box P2	1438232_at	1.40	0.0038	1487
Rnf182	ring finger protein 182	1440086_at	-1.40	0.0202	1488
Lgi1	leucine-rich repeat LGI family, member 1	1435851_at	-1.40	3.40E-05	1489
Usp18	ubiquitin specific peptidase 18	1418191_at	1.40	0.0474	1490
1435136_at		1435136_at	1.40	0.0005	1491
Cdh8	cadherin 8	1455365_at	-1.40	0.0090	1492
Atp13a5	ATPase type 13A5	1436411_at	-1.40	0.0204	1493
Stat6	signal transducer and activator of transcription 6	1426353_at	1.40	0.0129	1494
Csf1	colony stimulating factor 1 (macrophage)	1460220_a_at	-1.40	0.0068	1495
Cdc40	cell division cycle 40 homolog (yeast)	1453342_at	-1.40	6.10E-07	1496
Ppp1r3g	protein phosphatase 1, regulatory (inhibitor) subunit 3G	1428923_at	-1.40	0.0390	1497
Nlk	nemo like kinase	1445427_at	1.40	0.0470	1498
Adra1d	adrenergic receptor, alpha 1d	1445424_at	-1.40	0.0036	1499
BB396283		1446524_at	-1.40	0.0343	1500
Tmcc2	transmembrane and coiled-coil domains 2	1452666_a_at	-1.40	0.0005	1501
Nr3c2	nuclear receptor subfamily 3, group C, member 2	1440306_at	-1.40	0.0013	1502
A130001G05Rik	RIKEN cDNA A130001G05 gene	1441068_at	-1.40	0.0380	1503
Klf12	Kruppel-like factor 12	1439847_s_at	-1.40	0.0485	1504
Dnajc1	DnaJ (Hsp40) homolog, subfamily C, member 1	1447649_x_at	1.40	0.0046	1505
Nelf	nasal embryonic LHRH factor	1449474_a_at	-1.40	0.0007	1506
1447452_at		1447452_at	1.40	0.0076	1507
Igsf8	immunoglobulin superfamily, member 8	1460675_at	-1.40	0.0027	1508
Tspo	translocator protein	1456251_x_at	1.40	0.0148	1509
Sphkap	SPHK1 interactor, AKAP domain containing	1454926_at	-1.40	1.00E-05	1510



Sdccag8	serologically defined colon cancer antigen 8	1443222_at	-1.40	0.0336	1511
Slc29a4	solute carrier family 29 (nucleoside transporters), member 4	1441902_x_at	-1.40	0.0221	1512
1440468_at		1440468_at	-1.40	0.0381	1513
Apcdd1	adenomatosis polyposis coli down-regulated 1	1418383_at	-1.40	0.0166	1514
Pcp4	Purkinje cell protein 4	1460214_at	-1.40	2.00E-08	1515
Gatsl2	GATS protein-like 2	1451589_at	-1.40	0.0139	1516
1443281_at		1443281_at	-1.40	0.0052	1517
9130208E07Rik	RIKEN cDNA 9130208E07 gene	1427425_at	1.40	0.0052	1518
1442616_at		1442616_at	1.40	0.0161	1519
Fam188a	family with sequence similarity 188, member A	1418963_at	-1.40	1.10E-05	1520
Cacnb2	calcium channel, voltage-dependent, beta 2 subunit	1446632_at	-1.40	0.0204	1521
1440210_at		1440210_at	1.40	0.0014	1522
1438643_at		1438643_at	1.40	0.0175	1523
1436672_at		1436672_at	-1.40	0.0005	1524
Lrp4	low density lipoprotein receptor-related protein 4	1426288_at	-1.40	0.0023	1525
2310051F07Rik	RIKEN cDNA 2310051F07 gene	1455389_s_at	1.39	0.0167	1526
Ophn1	oligophrenin 1	1419108_at	1.39	7.70E-05	1527
1422665_a_at		1422665_a_at	1.39	0.0007	1528
Trp53inp2	transformation related protein 53 inducible nuclear protein 2	1452646_at	1.39	0.0458	1529
Rilpl1	Rab interacting lysosomal protein-like 1	1450449_a_at	1.39	0.0158	1530
6530418L21Rik	RIKEN cDNA 6530418L21 gene	1459051_at	1.39	0.0128	1531
Pknox1	Pbx/knotted 1 homeobox	1437470_at	1.39	0.0122	1532
Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like)	1422167_at	-1.39	0.0052	1533
Spag6	sperm associated antigen 6	1417528_at	-1.39	0.0038	1534
Diras2	DIRAS family, GTP-binding RAS-like 2	1445473_at	1.39	0.0005	1535
Hic2	hypermethylated in cancer 2	1454944_at	1.39	0.0031	1536
Rbm46	RNA binding motif protein 46	1443437_at	-1.39	0.0006	1537

Dio2	deiodinase, iodothyronine, type II	1418937_at	-1.39	0.0017	1538
Mm.117965		1444923_at	1.39	0.0350	1539
1435699_at		1435699_at	-1.39	0.0145	1540
1460593_at		1460593_at	1.39	0.0058	1541
Vat1	vesicle amine transport protein 1 homolog (T californica)	1438165_x_at	1.39	0.0397	1542
D630045J12Rik	RIKEN cDNA D630045J12 gene	1455419_at	1.39	0.0007	1543
Mm.467571		1456584_x_at	-1.39	0.0139	1544
1436796_at		1436796_at	-1.39	0.0009	1545
Fabp7	fatty acid binding protein 7, brain	1450779_at	-1.39	0.0454	1546
Nfib	nuclear factor I/B	1438072_at	-1.39	0.0281	1547
Lgals8	lectin, galactose binding, soluble 8	1422661_at	1.39	0.0141	1548
Acaa2	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-CoA	1455061_a_at	-1.39	0.0148	1549
4930434J08Rik	RIKEN cDNA 4930434J08 gene	1430557_at	1.39	0.0088	1550
Gmeb2	glucocorticoid modulatory element binding protein 2	1454818_at	1.39	0.0194	1551
Ccl27a	chemokine (C-C motif) ligand 27A	1419188_s_at	-1.39	4.10E-05	1552
Clec18a	C-type lectin domain family 18, member A	1436474_at	1.39	0.0082	1553
1457374_at		1457374_at	-1.39	0.0148	1554
Pcsk2	proprotein convertase subtilisin/kexin type 2	1447992_s_at	1.39	0.0354	1555
Ltk	leukocyte tyrosine kinase	1460300_a_at	-1.39	0.0279	1556
Rogdi	rogdi homolog (Drosophila)	1451421_a_at	-1.39	0.0001	1557
Rian	RNA imprinted and accumulated in nucleus	1440001_at	1.39	0.0325	1558
Rlbp1l2	retinaldehyde binding protein 1-like 2	1445029_at	-1.39	0.0307	1559
6430571L13Rik	RIKEN cDNA 6430571L13 gene	1439669_at	1.39	0.0230	1560
Spnb2	spectrin beta 2	1451830_a_at	-1.39	0.0016	1561
Ier5	immediate early response 5	1417613_at	1.39	0.0187	1562
Tbr1	T-box brain gene 1	1416711_at	-1.39	0.0173	1563
Cryz	crystallin, zeta	1451848_a_at	-1.39	0.0005	1564

1444466_at		1444466_at	-1.39	0.0002	1565
Kras	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	1451979_at	1.39	0.0119	1566
Nacc2	nucleus accumbens associated 2, BEN and BTB (POZ) domain con	1417153_at	1.39	0.0038	1567
Slitrk5	SLIT and NTRK-like family, member 5	1429718_at	-1.39	0.0010	1568
2810025M15Rik	RIKEN cDNA 2810025M15 gene	1428452_at	-1.39	0.0226	1569
6720469N11Rik	RIKEN cDNA 6720469N11 gene	1434797_at	1.38	0.0002	1570
Sept3	septin 3	1417414_at	-1.38	5.70E-05	1571
Dhtkd1	dehydrogenase E1 and transketolase domain containing 1	1457027_at	-1.38	0.0313	1572
Fam134a	family with sequence similarity 134, member A	1452164_at	1.38	0.0120	1573
Parva	parvin, alpha	1416818_at	1.38	0.0008	1574
BG072149		1446947_at	1.38	0.0073	1575
Mm.80674		1443306_at	1.38	0.0042	1576
Col12a1	collagen, type XII, alpha 1	1434411_at	1.38	0.0214	1577
Shcbp1	Shc SH2-domain binding protein 1	1416299_at	1.38	9.90E-05	1578
Haus6	HAUS augmin-like complex, subunit 6	1455488_at	1.38	0.0158	1579
Hspa2	heat shock protein 2	1417101_at	-1.38	0.0350	1580
Txnrd3	thioredoxin reductase 3	1423868_at	1.38	0.0365	1581
Mm.207732		1458900_at	-1.38	0.0369	1582
Rcn1	reticulocalbin 1	1417090_at	-1.38	0.0083	1583
Eif2c2	eukaryotic translation initiation factor 2C, 2	1426366_at	1.38	0.0094	1584
Pcsk2	proprotein convertase subtilisin/kexin type 2	1428305_at	1.38	0.0407	1585
Hist3h2a	histone cluster 3, H2a	1435865_at	-1.38	3.30E-05	1586
Fam176b	family with sequence similarity 176, member B	1454933_at	1.38	0.0172	1587
Ccdc136	coiled-coil domain containing 136	1424699_at	-1.38	0.0010	1588
Mm.101960		1445010_at	-1.38	0.0033	1589
Xbp1	X-box binding protein 1	1420886_a_at	1.38	0.0053	1590
Nhsl1	NHS-like 1	1426934_at	-1.38	0.0130	1591

Dera	2-deoxyribose-5-phosphate aldolase homolog ( <i>C. elegans</i> )	1424047_at	1.38	0.0136	1592
Napa	N-ethylmaleimide sensitive fusion protein attachment protein alpha	1416192_at	1.38	0.0320	1593
1438399_at		1438399_at	-1.38	3.40E-07	1594
Sept6	septin 6	1420877_at	1.38	0.0019	1595
Moxd1	monooxygenase, DBH-like 1	1422643_at	-1.38	0.0078	1596
Cxx1c	CAAX box 1 homolog C (human)	1450080_at	1.38	0.0007	1597
2900064K03Rik	RIKEN cDNA 2900064K03 gene	1433032_at	-1.38	0.0128	1598
Poli	polymerase (DNA directed), iota	1449098_a_at	-1.38	0.0023	1599
Pde4dip	phosphodiesterase 4D interacting protein (myomegalin)	1460426_at	1.38	0.0246	1600
B4galt4	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 4	1425934_a_at	-1.38	0.0061	1601
Cdh22	cadherin 22	1424767_at	1.38	0.0265	1602
Vav3	vav 3 oncogene	1417122_at	-1.38	0.0042	1603
Stab1	stabilin 1	1450199_a_at	1.38	0.0027	1604
Ncrna00085	non-protein coding RNA 85	1453713_s_at	1.38	0.0021	1605
Ccl27a	chemokine (C-C motif) ligand 27A	1434962_x_at	-1.38	9.60E-06	1606
D17H6S56E-5	DNA segment, Chr 17, human D6S56E 5	1417822_at	1.38	0.0082	1607
5730455O13Rik	RIKEN cDNA 5730455O13 gene	1435810_at	-1.38	0.0085	1608
Aldh1a3	aldehyde dehydrogenase family 1, subfamily A3	1427395_a_at	1.38	0.0285	1609
BG067696		1446601_at	-1.38	0.0044	1610
Zmiz1	zinc finger, MIZ-type containing 1	1459305_at	1.38	0.0060	1611
Dll3	delta-like 3 ( <i>Drosophila</i> )	1449236_at	-1.38	0.0002	1612
Nfia	nuclear factor I/A	1441547_at	-1.38	0.0047	1613
Tmpo	thymopoietin	1452036_a_at	1.38	0.0198	1614
Serp1b1a	serine (or cysteine) peptidase inhibitor, clade B, member 1a	1416318_at	-1.38	0.0311	1615
Slc37a1	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	1426601_at	1.38	0.0128	1616
Mm.380503		1436459_at	1.38	0.0055	1617
Dsel	dermatan sulfate epimerase-like	1438407_at	1.38	0.0116	1618

Prkra	protein kinase, interferon inducible double stranded RNA dependen	1448923_at	-1.38	0.0065	1619
Asb2	ankyrin repeat and SOCS box-containing 2	1428444_at	1.38	0.0067	1620
Zfx3	zinc finger homeobox 3	1420649_at	1.38	0.0005	1621
D16Ert472e	DNA segment, Chr 16, ERATO Doi 472, expressed	1424724_a_at	-1.38	0.0436	1622
Smoc2	SPARC related modular calcium binding 2	1415935_at	-1.38	0.0127	1623
Mm.91327		1436110_at	-1.38	0.0146	1624
Bhlhe22	basic helix-loop-helix family, member e22	1418271_at	-1.38	0.0029	1625
Fgfbp3	fibroblast growth factor binding protein 3	1453006_at	-1.38	0.0266	1626
1110006E14Rik	RIKEN cDNA 1110006E14 gene	1431094_at	1.38	0.0067	1627
Vasn	vasorin	1455812_x_at	1.37	0.0247	1628
1458932_at		1458932_at	-1.37	0.0011	1629
Ogt	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetyl	1425517_s_at	1.37	0.0023	1630
Afap111	actin filament associated protein 1-like 1	1454727_at	1.37	0.0033	1631
Olfm3	olfactomedin 3	1425898_x_at	1.37	0.0026	1632
Klhl13	kelch-like 13 (Drosophila)	1448269_a_at	-1.37	0.0001	1633
Dock11	dedicator of cytokinesis 11	1429028_at	-1.37	0.0211	1634
Tmpo	thymopoietin	1426349_s_at	1.37	0.0001	1635
Mm.351378		1438885_at	1.37	0.0083	1636
1453372_at		1453372_at	1.37	0.0064	1637
C230094A16Rik	RIKEN cDNA C230094A16 gene	1425825_at	-1.37	0.0026	1638
Zfyve28	zinc finger, FYVE domain containing 28	1434504_at	-1.37	0.0007	1639
Bahd1	bromo adjacent homology domain containing 1	1433703_s_at	1.37	0.0024	1640
Plcz1	phospholipase C, zeta 1	1422658_at	-1.37	0.0012	1641
Cited2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-ter	1452207_at	-1.37	0.0016	1642
Tmem97	transmembrane protein 97	1416376_at	1.37	0.0020	1643
Sez6l2	seizure related 6 homolog like 2	1434641_x_at	-1.37	0.0014	1644
Peli1	pellino 1	1444017_at	-1.37	0.0350	1645

Fxn	frataxin	1427282_a_at	-1.37	0.0019	1646
1700025G04Rik	RIKEN cDNA 1700025G04 gene	1455732_at	-1.37	0.0013	1647
Mm.163591		1457137_at	1.37	0.0419	1648
Man1c1	mannosidase, alpha, class 1C, member 1	1436193_at	-1.37	0.0002	1649
Dgat2	diacylglycerol O-acyltransferase 2	1422678_at	-1.37	0.0235	1650
Trdn	triadin	1426142_a_at	-1.37	0.0018	1651
Mm.413301		1440551_at	1.37	0.0180	1652
Ramp1	receptor (calcitonin) activity modifying protein 1	1431413_at	-1.37	0.0097	1653
Myh11	myosin, heavy polypeptide 11, smooth muscle	1448962_at	1.37	0.0082	1654
Slc25a24	solute carrier family 25 (mitochondrial carrier, phosphate carrier), n	1452717_at	-1.37	0.0141	1655
Oprm1	opioid receptor, mu 1	1451709_at	-1.37	0.0044	1656
	228712	1446967_at	-1.37	0.0014	1657
AW553412		1447013_at	-1.37	0.0075	1658
1440429_at		1440429_at	-1.37	0.0443	1659
Klhdc8b	kelch domain containing 8B	1428221_at	1.37	0.0215	1660
Qpct	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	1426622_a_at	1.37	0.0079	1661
Efhd1	EF hand domain containing 1	1448507_at	-1.37	0.0157	1662
1437480_at		1437480_at	-1.37	0.0053	1663
1459104_at		1459104_at	1.37	0.0202	1664
Foxred2	FAD-dependent oxidoreductase domain containing 2	1434414_at	1.37	0.0088	1665
Ngef	neuronal guanine nucleotide exchange factor	1448978_at	1.37	0.0105	1666
AI836003	expressed sequence AI836003	1436099_at	1.37	0.0005	1667
1419652_s_at		1419652_s_at	-1.37	0.0011	1668
Pak6	p21 protein (Cdc42/Rac)-activated kinase 6	1445475_at	-1.37	5.40E-06	1669
Ehd2	EH-domain containing 2	1459823_at	1.37	0.0177	1670
Gcnt2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	1425503_at	-1.37	0.0097	1671
Mm.138000		1459544_at	-1.37	0.0031	1672

1454984_at		1454984_at	-1.37	0.0020	1673
Cit	citron	1426028_a_at	1.37	0.0488	1674
9230114K14Rik	RIKEN cDNA 9230114K14 gene	1456643_at	-1.37	0.0114	1675
Camkk1	calcium/calmodulin-dependent protein kinase kinase 1, alpha	1418954_at	1.37	0.0038	1676
Odz4	odd Oz/ten-m homolog 4 (Drosophila)	1455993_at	1.37	0.0040	1677
Top1mt	DNA topoisomerase 1, mitochondrial	1460370_at	-1.37	0.0007	1678
Col11a1	collagen, type XI, alpha 1	1418599_at	1.37	0.0441	1679
Emid1	EMI domain containing 1	1449581_at	1.37	0.0084	1680
Slc25a29	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine tra	1438188_x_at	-1.37	0.0126	1681
Aldh1b1	aldehyde dehydrogenase 1 family, member B1	1451260_at	1.37	0.0209	1682
Ndfip2	Nedd4 family interacting protein 2	1452066_a_at	1.37	0.0302	1683
Pgm5	phosphoglucomutase 5	1437871_at	-1.37	0.0007	1684
Cd163l1	CD163 molecule-like 1	1440808_x_at	-1.37	0.0146	1685
Bcl10	B-cell leukemia/lymphoma 10	1418972_at	1.37	0.0497	1686
5033414K04Rik	RIKEN cDNA 5033414K04 gene	1436999_at	1.37	0.0030	1687
Hkdc1	hexokinase domain containing 1	1425900_at	1.37	0.0006	1688
Ttl1	tubulin tyrosine ligase-like 1	1436833_x_at	-1.37	0.0091	1689
Lin54	lin-54 homolog (C. elegans)	1435181_at	1.37	0.0261	1690
Dazl	deleted in azoospermia-like	1419542_at	-1.37	0.0065	1691
1500009C09Rik	RIKEN cDNA 1500009C09 gene	1452827_at	-1.37	0.0209	1692
Tmem164	transmembrane protein 164	1454741_s_at	1.37	0.0029	1693
Crtac1	cartilage acidic protein 1	1459858_x_at	1.37	6.20E-05	1694
Lhfp12	lipoma HMGIC fusion partner-like 2	1454847_at	-1.37	0.0204	1695
1441974_at		1441974_at	-1.37	0.0245	1696
Gm12824	predicted gene 12824	1443939_at	-1.37	4.80E-05	1697
Fhad1	forkhead-associated (FHA) phosphopeptide binding domain 1	1439190_at	1.37	0.0159	1698
Tmem109	transmembrane protein 109	1437008_x_at	-1.37	0.0180	1699

1435914_at		1435914_at	1.37	0.0005	1700
Tmem47	transmembrane protein 47	1449885_at	1.37	0.0294	1701
LOC100042207	hypothetical protein LOC100042207	1460500_at	-1.37	0.0067	1702
Prkcc	protein kinase C, gamma	1455758_at	1.37	0.0050	1703
Amdhd2	amidohydrolase domain containing 2	1434855_at	-1.37	0.0086	1704
Rftn1	raftlin lipid raft linker 1	1428696_at	-1.37	0.0021	1705
Olfm3	olfactomedin 3	1452090_a_at	1.36	0.0023	1706
1424714_at		1424714_at	1.36	0.0035	1707
Foxq1	forkhead box Q1	1422735_at	-1.36	0.0014	1708
Pvt1	plasmacytoma variant translocation 1	1427140_at	-1.36	0.0085	1709
Bckdhb	branched chain ketoacid dehydrogenase E1, beta polypeptide	1427153_at	-1.36	0.0024	1710
Parvb	parvin, beta	1438672_at	-1.36	0.0044	1711
Cdh11	cadherin 11	1450757_at	-1.36	0.0005	1712
Bcl10	B-cell leukemia/lymphoma 10	1418970_a_at	1.36	0.0246	1713
1457366_at		1457366_at	-1.36	0.0055	1714
Wnt4	wingless-related MMTV integration site 4	1450782_at	-1.36	0.0018	1715
Ccl8	chemokine (C-C motif) ligand 8	1419684_at	1.36	0.0012	1716
Dbt	dihydrolipoamide branched chain transacylase E2	1440016_at	-1.36	0.0471	1717
D3Bwg0562e	DNA segment, Chr 3, Brigham & Women's Genetics 0562 expressed	1427247_at	-1.36	0.0001	1718
Abhd2	abhydrolase domain containing 2	1435653_at	1.36	0.0410	1719
Zfx3	zinc finger homeobox 3	1420650_at	1.36	0.0245	1720
Cth	cystathionase (cystathionine gamma-lyase)	1426243_at	-1.36	0.0003	1721
Nptx1	neuronal pentraxin 1	1422130_at	1.36	0.0029	1722
Galnt3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyltransferase 3	1427749_at	-1.36	0.0101	1723
1439204_at		1439204_at	-1.36	0.0012	1724
Fbn2	fibrillin 2	1422831_at	-1.36	0.0031	1725
Hist2h2be	histone cluster 2, H2be	1455095_at	-1.36	0.0278	1726



Tmpo	thymopoietin	1426020_at	1.36	0.0050	1727
Pbx2	pre B-cell leukemia transcription factor 2	1418894_s_at	-1.36	0.0152	1728
B4galt1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide	1418014_a_at	1.36	0.0057	1729
E2f3	E2F transcription factor 3	1427462_at	1.36	0.0078	1730
Ptpm	protein tyrosine phosphatase, receptor type, M	1422541_at	1.36	0.0405	1731
Mccc2	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	1428021_at	-1.36	0.0031	1732
Kcnd2	potassium voltage-gated channel, Shal-related family, member 2	1422834_at	-1.36	0.0137	1733
AV313111		1459868_x_at	-1.36	0.0002	1734
Kcnn2	potassium intermediate/small conductance calcium-activated char	1445676_at	1.36	0.0005	1735
Bok	BCL2-related ovarian killer protein	1417040_a_at	1.36	0.0172	1736
Thrb	thyroid hormone receptor beta	1443100_at	-1.36	0.0257	1737
Raly1	RALY RNA binding protein-like	1454715_at	-1.36	0.0140	1738
1434413_at		1434413_at	1.36	0.0002	1739
1431114_at		1431114_at	-1.36	0.0019	1740
Gm1476	gene model 1476, (NCBI)	1439992_at	-1.36	0.0105	1741
Rian	RNA imprinted and accumulated in nucleus	1427580_a_at	1.36	0.0036	1742
Gm4980	predicted gene 4980	1455739_at	-1.36	0.0011	1743
Agfg1	ArfGAP with FG repeats 1	1442489_at	1.36	0.0071	1744
1445391_at		1445391_at	-1.36	0.0375	1745
Rimklb	ribosomal modification protein rimK-like family member B	1429982_at	-1.36	9.50E-06	1746
Shh	sonic hedgehog	1436869_at	1.36	0.0498	1747
Tbkbp1	TBK1 binding protein 1	1435183_at	-1.36	0.0248	1748
D5Wsu178e	DNA segment, Chr 5, Wayne State University 178, expressed	1431802_a_at	1.36	0.0173	1749
Dlgap4	discs, large homolog-associated protein 4 (Drosophila)	1426465_at	1.36	0.0020	1750
Chia	chitinase, acidic	1416456_a_at	-1.36	0.0071	1751
1442330_at		1442330_at	1.36	0.0206	1752
Sgip1	SH3-domain GRB2-like (endophilin) interacting protein 1	1458328_x_at	-1.36	0.0061	1753

Cobll1	Cobl-like 1	1454795_at	-1.36	0.0005	1754
Adcy7	adenylate cyclase 7	1456307_s_at	1.36	0.0015	1755
Lmo1	LIM domain only 1	1418478_at	-1.36	0.0097	1756
Atp2b2	ATPase, Ca <sup>++</sup> transporting, plasma membrane 2	1420403_at	1.36	0.0014	1757
Socs2	suppressor of cytokine signaling 2	1446085_at	1.35	0.0016	1758
Zfp36	zinc finger protein 36	1452519_a_at	1.35	0.0361	1759
Jarid2	jumonji, AT rich interactive domain 2	1456661_at	-1.35	0.0180	1760
Tmem47	transmembrane protein 47	1420514_at	1.35	0.0072	1761
Sfrp4	secreted frizzled-related protein 4	1451031_at	1.35	0.0253	1762
Taf5	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associa	1435474_at	1.35	0.0199	1763
Ubtf	upstream binding transcription factor, RNA polymerase I	1460304_a_at	1.35	0.0056	1764
Mcee	methylmalonyl CoA epimerase	1438477_a_at	-1.35	0.0281	1765
1448843_at		1448843_at	1.35	0.0087	1766
Zfx3	zinc finger homeobox 3	1460006_at	1.35	0.0127	1767
Rps6ka3	ribosomal protein S6 kinase polypeptide 3	1441360_at	1.35	0.0077	1768
Cxx1a	CAAX box 1 homolog A (human)	1423816_at	1.35	0.0028	1769
Tradd	TNFRSF1A-associated via death domain	1452622_a_at	-1.35	0.0042	1770
Epha4	Eph receptor A4	1439757_s_at	1.35	0.0448	1771
Fam126a	family with sequence similarity 126, member A	1450724_at	-1.35	0.0001	1772
Sh3bp4	SH3-domain binding protein 4	1416305_at	-1.35	0.0001	1773
Ogt	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acet	1425516_at	1.35	0.0009	1774
Dcakd	dephospho-CoA kinase domain containing	1460205_at	-1.35	0.0004	1775
Pim3	proviral integration site 3	1451069_at	1.35	0.0262	1776
Clybl	citrate lyase beta like	1421014_a_at	-1.35	0.0066	1777
Slc6a3	solute carrier family 6 (neurotransmitter transporter, dopamine), m	1417415_at	-1.35	0.0006	1778
Inpp5f	inositol polyphosphate-5-phosphatase F	1433542_at	1.35	0.0288	1779
Ttyh1	tweety homolog 1 (Drosophila)	1422694_at	1.35	0.0008	1780

Mm.323004		1440325_at	-1.35	0.0446	1781
D3Bwg0562e	DNA segment, Chr 3, Brigham & Women's Genetics 0562 expressed	1434685_at	-1.35	0.0018	1782
Serpina1b	serine (or cysteine) peptidase inhibitor, clade A, member 1B	1418282_x_at	1.35	0.0309	1783
Porcn	porcupine homolog (Drosophila)	1424220_a_at	-1.35	1.40E-06	1784
1449839_at		1449839_at	-1.35	2.70E-05	1785
Pex5l	peroxisomal biogenesis factor 5-like	1451062_a_at	-1.35	0.0022	1786
Lmo2	LIM domain only 2	1454086_a_at	-1.35	0.0002	1787
Man1a2	mannosidase, alpha, class 1A, member 2	1440259_at	1.35	0.0038	1788
Rcan1	regulator of calcineurin 1	1416601_a_at	1.35	0.0072	1789
Nfib	nuclear factor I/B	1438245_at	-1.35	0.0274	1790
Dfna5	deafness, autosomal dominant 5 (human)	1417903_at	-1.35	0.0080	1791
Fam102b	family with sequence similarity 102, member B	1434828_at	-1.35	3.50E-06	1792
Ctsb	cathepsin B	1459497_at	1.35	0.0288	1793
Klk6	kallikrein related-peptidase 6	1448982_at	1.35	0.0090	1794
Lrrn4	leucine rich repeat neuronal 4	1435648_at	-1.35	0.0146	1795
Slc16a2	solute carrier family 16 (monocarboxylic acid transporters), member	1418446_at	-1.35	0.0325	1796
Ctps2	cytidine 5'-triphosphate synthase 2	1448111_at	1.35	0.0071	1797
Armc10	armadillo repeat containing 10	1417062_at	1.35	0.0251	1798
Plb1	phospholipase B1	1437893_at	-1.35	0.0246	1799
Spnb2	spectrin beta 2	1419255_at	-1.35	0.0261	1800
1457834_at		1457834_at	1.35	0.0017	1801
Chrdl2	chordin-like 2	1420539_a_at	-1.35	0.0079	1802
Gpsm1	G-protein signalling modulator 1 (AGS3-like, C. elegans)	1423689_a_at	1.35	0.0010	1803
Rep15	RAB15 effector protein	1420328_at	-1.35	0.0018	1804
Fbxo6	F-box protein 6	1417501_at	1.35	0.0003	1805
Rnf157	ring finger protein 157	1434902_at	1.35	0.0004	1806
Hic2	hypermethylated in cancer 2	1437571_at	1.35	0.0004	1807

BB182297	expressed sequence BB182297	1436585_at	-1.35	0.0486	1808
Nck2	non-catalytic region of tyrosine kinase adaptor protein 2	1416796_at	-1.35	0.0062	1809
Slc7a3	solute carrier family 7 (cationic amino acid transporter, y+ system)	1417022_at	-1.35	0.0370	1810
Mertk	c-mer proto-oncogene tyrosine kinase	1422869_at	-1.35	0.0267	1811
Klf13	Kruppel-like factor 13	1432543_a_at	1.35	0.0145	1812
Smg5	Smg-5 homolog, nonsense mediated mRNA decay factor (C. elegar	1434546_at	1.35	0.0004	1813
AV165800		1430952_at	-1.35	0.0263	1814
Ddt	D-dopachrome tautomerase	1417103_at	-1.35	0.0365	1815
2010204K13Rik	RIKEN cDNA 2010204K13 gene	1421498_a_at	-1.35	0.0329	1816
Shmt1	serine hydroxymethyltransferase 1 (soluble)	1425178_s_at	-1.35	0.0039	1817
Syt12	synaptotagmin XII	1422878_at	1.35	0.0194	1818
1457451_at		1457451_at	1.35	0.0011	1819
Gmds	GDP-mannose 4, 6-dehydratase	1442178_at	-1.35	0.0277	1820
1430636_at		1430636_at	-1.35	0.0268	1821
Rcan1	regulator of calcineurin 1	1416600_a_at	1.35	0.0005	1822
BC006779	cDNA sequence BC006779	1435454_a_at	1.35	0.0135	1823
1456816_at		1456816_at	1.35	0.0060	1824
Fjx1	four jointed box 1 (Drosophila)	1450728_at	-1.35	0.0110	1825
1457146_at		1457146_at	-1.35	0.0039	1826
Mal2	mal, T-cell differentiation protein 2	1427042_at	-1.35	0.0048	1827
Fmo1	flavin containing monooxygenase 1	1417429_at	1.35	0.0072	1828
AI854703	expressed sequence AI854703	1435048_at	-1.35	0.0294	1829
Sgsm2	small G protein signaling modulator 2	1455178_at	1.35	0.0081	1830
Rcan3	regulator of calcineurin 3	1434027_at	-1.35	4.70E-05	1831
Asap1	ArfGAP with SH# domain, ankyrin repeat and PH domain1	1435059_at	1.34	0.0008	1832
Siae	sialic acid acetylerase	1460387_a_at	1.34	0.0492	1833
Lhx9	LIM homeobox protein 9	1431598_a_at	-1.34	0.0087	1834

Sdad1	SDA1 domain containing 1	1452454_at	1.34	0.0299	1835
Ncapg	non-SMC condensin I complex, subunit G	1445552_at	-1.34	0.0337	1836
1442325_at		1442325_at	-1.34	0.0099	1837
Mm.124147		1435931_at	-1.34	0.0211	1838
Ptpnb	protein tyrosine phosphatase, receptor type, B	1427486_at	1.34	0.0255	1839
Slc24a3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	1424308_at	-1.34	0.0159	1840
1431004_at		1431004_at	1.34	0.0079	1841
4930539E08Rik	RIKEN cDNA 4930539E08 gene	1437918_at	1.34	0.0026	1842
Cacnb1	calcium channel, voltage-dependent, beta 1 subunit	1426108_s_at	1.34	0.0133	1843
5730478J17Rik	RIKEN cDNA 5730478J17 gene	1433050_at	-1.34	0.0288	1844
Rasgrf1	RAS protein-specific guanine nucleotide-releasing factor 1	1435614_s_at	-1.34	7.80E-08	1845
Gm11818	predicted gene 11818	1440215_at	-1.34	0.0092	1846
E130014H10Rik	RIKEN cDNA E130014H10 gene	1443977_at	-1.34	0.0117	1847
Tmem109	transmembrane protein 109	1456057_x_at	-1.34	0.0466	1848
Ube2g1	ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)	1455094_s_at	1.34	0.0341	1849
Gabpb1	GA repeat binding protein, beta 1	1436232_a_at	1.34	0.0179	1850
1441462_at		1441462_at	-1.34	0.0015	1851
Krt77	keratin 77	1433923_at	-1.34	0.0334	1852
1455228_at		1455228_at	1.34	0.0005	1853
Mccc2	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	1432472_a_at	-1.34	0.0013	1854
1446441_at		1446441_at	1.34	0.0076	1855
Sergef	secretion regulating guanine nucleotide exchange factor	1442221_at	1.34	0.0072	1856
1447063_at		1447063_at	-1.34	0.0063	1857
Magi1	membrane associated guanylate kinase, WW and PDZ domain containing 1	1440871_at	-1.34	0.0005	1858
Prkar2b	protein kinase, cAMP dependent regulatory, type II beta	1430640_a_at	1.34	0.0035	1859
Dlgap4	discs, large homolog-associated protein 4 (Drosophila)	1455548_at	1.34	0.0006	1860
Mrap2	melanocortin 2 receptor accessory protein 2	1436274_at	-1.34	0.0406	1861

Btbd3	BTB (POZ) domain containing 3	1433868_at	-1.34	0.0040	1862
1459398_at		1459398_at	-1.34	0.0166	1863
Nab2	Ngfi-A binding protein 2	1417930_at	1.34	0.0003	1864
Dpf3	D4, zinc and double PHD fingers, family 3	1450162_at	1.34	0.0160	1865
Kcnd2	potassium voltage-gated channel, Shal-related family, member 2	1458167_at	-1.34	0.0175	1866
Nat13	N-acetyltransferase 13	1428409_at	1.34	0.0005	1867
1439080_at		1439080_at	1.34	0.0235	1868
Adcy2	adenylate cyclase 2	1455462_at	1.34	1.50E-05	1869
Vrk1	vaccinia related kinase 1	1425006_a_at	-1.34	0.0030	1870
Rin1	Ras and Rab interactor 1	1424507_at	-1.34	0.0016	1871
1433205_at		1433205_at	1.34	0.0052	1872
Pim3	proviral integration site 3	1437100_x_at	1.34	0.0078	1873
Irs2	insulin receptor substrate 2	1443969_at	-1.34	0.0112	1874
Cbr2	carbonyl reductase 2	1418509_at	1.34	0.0022	1875
Car2	carbonic anhydrase 2	1448752_at	-1.34	0.0137	1876
1423585_at		1423585_at	1.34	0.0135	1877
Cdh11	cadherin 11	1446048_at	-1.34	0.0373	1878
Ano3	anoctamin 3	1445631_at	1.34	0.0134	1879
Aif1l	allograft inflammatory factor 1-like	1451287_s_at	-1.34	0.0234	1880
Rbms1	RNA binding motif, single stranded interacting protein 1	1418703_at	1.34	0.0472	1881
Mkl1	MKL (megakaryoblastic leukemia)/myocardin-like 1	1434900_at	-1.34	1.90E-06	1882
1455521_at		1455521_at	-1.34	0.0449	1883
Rab9b	RAB9B, member RAS oncogene family	1433791_at	-1.34	0.0086	1884
Mm.458630		1436406_at	-1.34	0.0154	1885
Grhpr	glyoxylate reductase/hydroxypyruvate reductase	1417772_at	-1.34	0.0099	1886
1438660_at		1438660_at	-1.34	0.0191	1887
434398		1447047_at	1.34	0.0376	1888

Tgm2	transglutaminase 2, C polypeptide	1417500_a_at	1.34	0.0319	1889
1110029L17Rik	RIKEN cDNA 1110029L17 gene	1455294_at	1.34	0.0124	1890
Rhoq	ras homolog gene family, member Q	1427918_a_at	1.34	0.0402	1891
Rnf144a	ring finger protein 144A	1438404_at	1.34	0.0065	1892
LOC552876	hypothetical LOC552876	1442041_at	-1.34	0.0084	1893
Dbpht2	DNA binding protein with his-thr domain	1456998_at	-1.34	0.0239	1894
Cdh8	cadherin 8	1422052_at	-1.34	0.0288	1895
1435260_at		1435260_at	-1.34	0.0027	1896
Spata2	spermatogenesis associated 2	1434107_at	-1.34	0.0050	1897
Polr3g	polymerase (RNA) III (DNA directed) polypeptide G	1449155_at	1.34	0.0136	1898
Nfasc	neurofascin	1456068_at	1.34	0.0004	1899
Eya1	eyes absent 1 homolog (Drosophila)	1457424_at	-1.34	0.0042	1900
1431717_at		1431717_at	1.34	0.0332	1901
Pcdh9	protocadherin 9	1442659_at	-1.34	0.0024	1902
Mm.54198		1458535_at	1.34	0.0189	1903
Uchl1	ubiquitin carboxy-terminal hydrolase L1	1448260_at	1.34	0.0237	1904
Bai1	brain-specific angiogenesis inhibitor 1	1455363_at	1.33	0.0008	1905
1448671_at		1448671_at	1.33	0.0028	1906
Asb5	ankyrin repeat and SOCs box-containing 5	1449356_at	1.33	0.0385	1907
Spin2	spindlin family, member 2	1455297_at	-1.33	0.0432	1908
Bach1	BTB and CNC homology 1	1440831_at	1.33	0.0041	1909
Akap2	A kinase (PRKA) anchor protein 2	1455870_at	-1.33	0.0035	1910
Mccc2	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	1454840_at	-1.33	0.0238	1911
St5	suppression of tumorigenicity 5	1428372_at	-1.33	0.0228	1912
Mbp	myelin basic protein	1425264_s_at	-1.33	0.0204	1913
Cd151	CD151 antigen	1437670_x_at	1.33	0.0373	1914
Txndc12	thioredoxin domain containing 12 (endoplasmic reticulum)	1415738_at	1.33	0.0004	1915

Miat	myocardial infarction associated transcript (non-protein coding)	1458903_at	-1.33	0.0179	1916
C130094E24	hypothetical protein C130094E24	1436367_at	1.33	0.0229	1917
D7Wsu130e	DNA segment, Chr 7, Wayne State University 130, expressed	1447462_at	-1.33	8.10E-06	1918
1448028_at		1448028_at	-1.33	0.0003	1919
Slc39a10	solute carrier family 39 (zinc transporter), member 10	1439041_at	1.33	0.0133	1920
Gucy1b3	guanylate cyclase 1, soluble, beta 3	1420871_at	-1.33	2.90E-05	1921
Abcb1b	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	1418872_at	-1.33	0.0024	1922
Zfp318	zinc finger protein 318	1421479_at	1.33	0.0044	1923
Stat5b	signal transducer and activator of transcription 5B	1422103_a_at	1.33	0.0036	1924
Tbc1d15	TBC1 domain family, member 15	1416062_at	1.33	0.0040	1925
Tmem181a	transmembrane protein 181A	1440862_at	1.33	0.0005	1926
Map2k6	mitogen-activated protein kinase kinase 6	1459292_at	-1.33	0.0346	1927
1446539_at		1446539_at	-1.33	0.0038	1928
Tmem109	transmembrane protein 109	1416032_at	-1.33	0.0240	1929
Spag1	sperm associated antigen 1	1419588_at	-1.33	0.0163	1930
Them4	thioesterase superfamily member 4	1427055_at	-1.33	0.0257	1931
Pafah1b3	platelet-activating factor acetylhydrolase, isoform 1b, subunit 3	1416410_at	1.33	0.0039	1932
Unc13b	unc-13 homolog B (C. elegans)	1417757_at	1.33	0.0080	1933
1439843_at		1439843_at	-1.33	0.0155	1934
Ptger4	prostaglandin E receptor 4 (subtype EP4)	1421073_a_at	1.33	0.0448	1935
Sult1a1	sulfotransferase family 1A, phenol-preferring, member 1	1427345_a_at	1.33	0.0109	1936
1452238_at		1452238_at	1.33	0.0172	1937
Mgst1	microsomal glutathione S-transferase 1	1415897_a_at	1.33	0.0154	1938
1456885_at		1456885_at	-1.33	0.0076	1939
B830032F12	hypothetical protein B830032F12	1435957_at	1.33	0.0003	1940
Slc25a26	solute carrier family 25 (mitochondrial carrier, phosphate carrier), n	1441375_at	1.33	0.0298	1941
Klf9	Kruppel-like factor 9	1422264_s_at	1.33	0.0004	1942



D630023F18Rik	RIKEN cDNA D630023F18 gene	1439880_at	-1.33	0.0050	1943
C78859	expressed sequence C78859	1445502_at	-1.33	0.0028	1944
Col8a2	collagen, type VIII, alpha 2	1434667_at	1.33	0.0253	1945
Pcnx	pecanex homolog (Drosophila)	1419049_at	1.33	0.0030	1946
2610007B07Rik	RIKEN cDNA 2610007B07 gene	1453542_at	-1.33	0.0393	1947
Mm.460817		1447939_a_at	-1.33	0.0031	1948
Foxn3	forkhead box N3	1438255_at	-1.33	0.0003	1949
Dpy19l3	dpy-19-like 3 (C. elegans)	1437858_at	1.33	0.0421	1950
Sept6	septin 6	1460286_at	1.33	0.0019	1951
Trp53i13	transformation related protein 53 inducible protein 13	1455315_at	-1.33	0.0014	1952
Mm.102129		1444724_at	-1.33	0.0315	1953
Hrk	harakiri, BCL2 interacting protein (contains only BH3 domain)	1450366_at	-1.33	0.0052	1954
C1qc	complement component 1, q subcomponent, C chain	1449401_at	1.33	0.0239	1955
C77370	expressed sequence C77370	1440910_at	-1.33	0.0005	1956
Chn2	chimerin (chimaerin) 2	1428574_a_at	-1.33	0.0417	1957
Diap1	diaphanous homolog 1 (Drosophila)	1454979_at	-1.33	0.0178	1958
C1ql3	C1q-like 3	1451620_at	-1.33	0.0029	1959
Scn1b	sodium channel, voltage-gated, type I, beta	1418738_at	1.33	0.0227	1960
Mreg	melanoregulin	1437250_at	1.33	0.0032	1961
1431896_at		1431896_at	-1.33	0.0311	1962
Syt3	synaptotagmin III	1417708_at	-1.33	0.0117	1963
1439607_at		1439607_at	1.33	0.0082	1964
Samd4	sterile alpha motif domain containing 4	1429449_at	1.33	0.0015	1965
Mtx3	metaxin 3	1434806_at	-1.33	0.0174	1966
Sh3bgrl3	SH3 domain binding glutamic acid-rich protein-like 3	1416528_at	1.33	0.0001	1967
1452297_at		1452297_at	1.33	0.0495	1968
Galt	galactose-1-phosphate uridyl transferase	1450187_a_at	-1.33	0.0010	1969

Dnahc1	dynein, axonemal, heavy chain 1	1444208_at	1.33	0.0097	1970
Ppp3r1	protein phosphatase 3, regulatory subunit B, alpha isoform (calcine	1421786_at	1.33	0.0067	1971
Atp11c	ATPase, class VI, type 11C	1455083_at	1.33	0.0004	1972
Kcnip4	Kv channel interacting protein 4	1450370_a_at	-1.33	0.0164	1973
Sez6l2	seizure related 6 homolog like 2	1423983_at	-1.33	0.0004	1974
1437303_at		1437303_at	1.33	0.0272	1975
1435621_at		1435621_at	-1.33	0.0015	1976
Atp1b3	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 3 polypeptide	1423126_at	1.33	0.0125	1977
Zfp286	zinc finger protein 286	1425081_at	-1.33	0.0024	1978
Vldlr	very low density lipoprotein receptor	1434465_x_at	-1.33	0.0103	1979
1455609_at		1455609_at	1.33	0.0359	1980
Sh3rf3	SH3 domain containing ring finger 3	1456946_at	-1.33	0.0162	1981
Jund	Jun proto-oncogene related gene d	1449117_at	1.33	0.0031	1982
1442667_at		1442667_at	-1.33	0.0039	1983
Prokr2	prokineticin receptor 2	1437695_at	-1.33	0.0293	1984
Clip1	CAP-GLY domain containing linker protein 1	1450351_a_at	-1.33	0.0023	1985
Mm.375362		1440587_at	-1.33	0.0402	1986
1700008O03Rik	RIKEN cDNA 1700008O03 gene	1454009_at	-1.32	0.0008	1987
Dbt	dihydrolipoamide branched chain transacylase E2	1449118_at	-1.32	0.0089	1988
Dnahc9	dynein, axonemal, heavy chain 9	1457401_at	-1.32	0.0123	1989
Pnma1	paraneoplastic antigen MA1	1429224_at	-1.32	0.0191	1990
Krt10	keratin 10	1452166_a_at	-1.32	0.0166	1991
Gnb4	guanine nucleotide binding protein (G protein), beta 4	1419470_at	-1.32	5.10E-05	1992
Ogt	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acet	1451738_at	1.32	5.30E-05	1993
Sec63	SEC63-like ( <i>S. cerevisiae</i> )	1419819_s_at	1.32	0.0186	1994
Vamp5	vesicle-associated membrane protein 5	1430522_a_at	1.32	0.0242	1995
Ldb3	LIM domain binding 3	1433783_at	-1.32	0.0009	1996

Osbpl1a	oxysterol binding protein-like 1A	1416823_a_at	-1.32	0.0366	1997
Fam181b	family with sequence similarity 181, member B	1417862_at	-1.32	0.0003	1998
Tnnt2	troponin T2, cardiac	1424967_x_at	-1.32	0.0017	1999
Acaa2	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-CoA	1428146_s_at	-1.32	0.0227	2000
Slit3	slit homolog 3 (Drosophila)	1452296_at	-1.32	0.0050	2001
Vrk1	vaccinia related kinase 1	1458951_at	-1.32	0.0061	2002
Gabra1	gamma-aminobutyric acid (GABA) A receptor, subunit alpha 1	1421281_at	-1.32	0.0117	2003
BE991564		1459563_x_at	-1.32	0.0117	2004
Klc3	kinesin light chain 3	1425558_at	1.32	0.0072	2005
Siva1	SIVA1, apoptosis-inducing factor	1452020_a_at	-1.32	0.0307	2006
Dnajc1	DnaJ (Hsp40) homolog, subfamily C, member 1	1420500_at	1.32	0.0017	2007
Gm10001	predicted gene 10001	1440534_at	-1.32	0.0008	2008
Tmem20	transmembrane protein 20	1435452_at	-1.32	0.0001	2009
Apcdd1	adenomatosis polyposis coli down-regulated 1	1418382_at	-1.32	0.0043	2010
Gpr123	G protein-coupled receptor 123	1459750_s_at	-1.32	0.0112	2011
Cblb	Casitas B-lineage lymphoma b	1455082_at	-1.32	0.0179	2012
Lmo4	LIM domain only 4	1420981_a_at	1.32	0.0375	2013
Sdc4	syndecan 4	1448793_a_at	1.32	0.0409	2014
3110082D06Rik	RIKEN cDNA 3110082D06 gene	1441559_at	1.32	0.0249	2015
Mapk8ip1	mitogen-activated protein kinase 8 interacting protein 1	1425679_a_at	1.32	0.0055	2016
2810002D19Rik	RIKEN cDNA 2810002D19 gene	1452312_at	-1.32	0.0058	2017
B430203I24Rik	RIKEN cDNA B430203I24 gene	1440586_at	-1.32	0.0353	2018
Slc4a4	solute carrier family 4 (anion exchanger), member 4	1426432_a_at	-1.32	0.0028	2019
A930025H08Rik	RIKEN cDNA A930025H08 gene	1457261_at	1.32	0.0384	2020
Wdr6	WD repeat domain 6	1455940_x_at	-1.32	0.0366	2021
Snx25	sorting nexin 25	1455020_at	-1.32	0.0070	2022
Mrpl54	mitochondrial ribosomal protein L54	1457378_at	-1.32	0.0081	2023

Sox2ot	SOX2 overlapping transcript (non-protein coding)	1460587_at	-1.32	0.0036	2024
Aim1l	absent in melanoma 1-like	1437813_at	1.32	0.0392	2025
Ppp1r13b	protein phosphatase 1, regulatory (inhibitor) subunit 13B	1434895_s_at	-1.32	0.0067	2026
1446771_at		1446771_at	1.32	0.0353	2027
1455250_at		1455250_at	-1.32	0.0012	2028
A730035I17Rik	RIKEN cDNA A730035I17 gene	1431852_at	1.32	0.0449	2029
AI843755	expressed sequence AI843755	1457227_at	-1.32	0.0119	2030
Adap2	ArfGAP with dual PH domains 2	1425638_at	1.32	0.0127	2031
Mm.472852		1435948_at	1.32	4.00E-05	2032
Dcc	deleted in colorectal carcinoma	1441572_at	-1.32	0.0386	2033
1434336_s_at		1434336_s_at	1.32	4.80E-05	2034
1440359_at		1440359_at	-1.32	0.0009	2035
Fbxl7	F-box and leucine-rich repeat protein 7	1456220_at	-1.32	0.0114	2036
Atp2b2	ATPase, Ca <sup>++</sup> transporting, plasma membrane 2	1433888_at	1.32	0.0064	2037
1442742_at		1442742_at	-1.32	0.0007	2038
Upk1b	uroplakin 1B	1435831_at	-1.32	0.0085	2039
Maf	avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene hc	1437473_at	1.32	0.0246	2040
Stxbp3a	syntaxin binding protein 3A	1435058_x_at	1.32	0.0048	2041
Kcnv1	potassium channel, subfamily V, member 1	1429741_at	1.32	0.0456	2042
Msn	moesin	1450379_at	1.32	0.0045	2043
Mm.434851		1444174_at	-1.32	0.0021	2044
St6gal2	beta galactoside alpha 2,6 sialyltransferase 2	1434819_at	-1.32	0.0109	2045
Ccdc69	coiled-coil domain containing 69	1419985_s_at	-1.32	0.0326	2046
Shmt1	serine hydroxymethyltransferase 1 (soluble)	1425177_at	-1.32	0.0418	2047
Rad51l1	RAD51-like 1 (S. cerevisiae)	1442531_at	-1.32	0.0003	2048
Gas1	growth arrest specific 1	1416855_at	-1.32	0.0005	2049
1455277_at		1455277_at	-1.32	0.0206	2050

B4galt1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide	1458616_at	1.32	0.0014	2051
Itpkb	inositol 1,4,5-trisphosphate 3-kinase B	1435272_at	1.32	0.0154	2052
Pxk	PX domain containing serine/threonine kinase	1451253_at	1.32	0.0025	2053
Nanos1	nanos homolog 1 (Drosophila)	1455877_a_at	-1.32	0.0110	2054
Chdh	choline dehydrogenase	1455435_s_at	-1.32	0.0171	2055
1441956_s_at		1441956_s_at	1.32	0.0022	2056
Tmem176a	transmembrane protein 176A	1425603_at	1.32	0.0355	2057
Serpina3g	serine (or cysteine) peptidase inhibitor, clade A, member 3G	1424923_at	1.32	0.0221	2058
Fam83d	family with sequence similarity 83, member D	1452924_at	-1.32	0.0018	2059
Spata1	spermatogenesis associated 1	1429662_at	-1.32	0.0223	2060
Crip1	cysteine-rich protein 1 (intestinal)	1416326_at	1.32	0.0096	2061
1428623_at		1428623_at	1.32	0.0061	2062
Mm.428316		1458184_at	-1.32	0.0002	2063
Arhgap20	Rho GTPase activating protein 20	1427522_at	-1.32	0.0007	2064
Angptl2	angiopoietin-like 2	1455090_at	1.32	0.0095	2065
Thsd7b	thrombospondin, type I, domain containing 7B	1460627_at	1.32	0.0095	2066
Arhgef2	rho/rac guanine nucleotide exchange factor (GEF) 2	1421042_at	1.32	0.0067	2067
Arid3b	AT rich interactive domain 3B (BRIGHT-like)	1423526_at	1.32	0.0053	2068
Dtna	dystrobrevin alpha	1426066_a_at	1.32	0.0045	2069
Pacrg	PARK2 co-regulated	1428751_at	-1.32	0.0090	2070
Phf2011	PHD finger protein 20-like 1	1456871_a_at	1.32	0.0036	2071
BB233292		1441847_at	1.32	0.0297	2072
Sgip1	SH3-domain GRB2-like (endophilin) interacting protein 1	1435894_at	-1.32	0.0011	2073
Mett5d1	methyltransferase 5 domain containing 1	1452950_at	1.32	0.0434	2074
Raph1	Ras association (RalGDS/AF-6) and pleckstrin homology domains	1434302_at	1.32	0.0008	2075
1456922_at		1456922_at	-1.32	0.0339	2076
D630045J12Rik	RIKEN cDNA D630045J12 gene	1440116_at	1.32	0.0332	2077

2610316D01Rik	RIKEN cDNA 2610316D01 gene	1458702_at	-1.32	0.0021	2078
Phf20I1	PHD finger protein 20-like 1	1437563_at	1.32	0.0014	2079
3010001F23Rik	RIKEN cDNA 3010001F23 gene	1457010_at	-1.32	0.0014	2080
Limd2	LIM domain containing 2	1456377_x_at	-1.32	0.0312	2081
Baiap2	brain-specific angiogenesis inhibitor 1-associated protein 2	1451027_at	1.32	0.0030	2082
Slc22a4	solute carrier family 22 (organic cation transporter), member 4	1417639_at	1.32	0.0042	2083
1421574_at		1421574_at	-1.32	0.0070	2084
4933412E12Rik	RIKEN cDNA 4933412E12 gene	1447711_x_at	-1.32	0.0004	2085
Dlg5	discs, large homolog 5 (Drosophila)	1424198_at	-1.32	0.0097	2086
Mm.375426		1443067_at	1.32	0.0096	2087
Klf9	Kruppel-like factor 9	1436952_at	1.32	0.0058	2088
Mm.383825		1442262_at	-1.32	0.0325	2089
1439753_x_at		1439753_x_at	-1.32	0.0115	2090
Tmcc2	transmembrane and coiled-coil domains 2	1428108_x_at	-1.32	0.0024	2091
Smc4	structural maintenance of chromosomes 4	1452197_at	-1.31	0.0020	2092
1428814_at		1428814_at	-1.31	0.0065	2093
B3galnt2	UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, poly	1454842_a_at	1.31	0.0488	2094
6720489N17Rik	RIKEN cDNA 6720489N17 gene	1457278_at	-1.31	0.0329	2095
Plcd3	phospholipase C, delta 3	1431892_a_at	1.31	0.0009	2096
Cryl1	crystallin, lambda 1	1416795_at	-1.31	0.0019	2097
1440932_at		1440932_at	-1.31	0.0101	2098
Mm.40343		1438780_at	1.31	0.0181	2099
Gm2612	predicted gene 2612	1455460_at	-1.31	0.0423	2100
Ctnn	cortactin	1421315_s_at	-1.31	0.0015	2101
Minpp1	multiple inositol polyphosphate histidine phosphatase 1	1455787_x_at	-1.31	0.0253	2102
Antxr2	anthrax toxin receptor 2	1426708_at	-1.31	0.0019	2103
Tpm2	tropomyosin 2, beta	1425028_a_at	1.31	0.0037	2104

1455766_at		1455766_at	-1.31	0.0118	2105
Ptprf	protein tyrosine phosphatase, receptor type, F	1420841_at	1.31	0.0326	2106
Lgr6	leucine-rich repeat-containing G protein-coupled receptor 6	1436218_at	-1.31	0.0014	2107
Il17d	interleukin 17D	1435714_x_at	-1.31	0.0047	2108
Fam131a	family with sequence similarity 131, member A	1426729_at	-1.31	0.0044	2109
Pdgfa	platelet derived growth factor, alpha	1418711_at	-1.31	0.0002	2110
Taf7	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associa	1423170_at	1.31	0.0049	2111
6030422H21Rik	RIKEN cDNA 6030422H21 gene	1441799_at	1.31	0.0408	2112
Slc25a30	solute carrier family 25, member 30	1425948_a_at	1.31	0.0026	2113
Wif1	Wnt inhibitory factor 1	1425425_a_at	1.31	0.0008	2114
1446409_at		1446409_at	-1.31	0.0377	2115
Camk2d	calcium/calmodulin-dependent protein kinase II, delta	1422659_at	-1.31	0.0265	2116
Sreb2	sterol regulatory element binding factor 2	1452174_at	1.31	0.0488	2117
1441047_at		1441047_at	-1.31	0.0078	2118
Usp50	ubiquitin specific peptidase 50	1453670_at	-1.31	0.0215	2119
Ppp3r1	protein phosphatase 3, regulatory subunit B, alpha isoform (calcine	1450368_a_at	1.31	0.0030	2120
Gria4	glutamate receptor, ionotropic, AMPA4 (alpha 4)	1443285_at	-1.31	0.0082	2121
D930015E06Rik	RIKEN cDNA D930015E06 gene	1426834_s_at	-1.31	0.0261	2122
Ttl8	tubulin tyrosine ligase-like family, member 8	1439140_at	1.31	0.0238	2123
Rtn4r1	reticulon 4 receptor-like 1	1436868_at	1.31	0.0135	2124
Rnf166	ring finger protein 166	1436906_at	1.31	0.0124	2125
Laptm4b	lysosomal-associated protein transmembrane 4B	1416148_at	-1.31	0.0043	2126
Ifnar2	interferon (alpha and beta) receptor 2	1451462_a_at	1.31	0.0009	2127
1452929_at		1452929_at	-1.31	0.0008	2128
BB078680		1459802_at	-1.31	0.0282	2129
Syt14	synaptotagmin-like 4	1417336_a_at	1.31	0.0353	2130
Ehhadh	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydr	1448382_at	-1.31	0.0287	2131

Zfp286	zinc finger protein 286	1425080_at	-1.31	0.0116	2132
1443620_at		1443620_at	-1.31	0.0168	2133
Igf1	insulin-like growth factor 1	1419519_at	1.31	0.0096	2134
H2-D1	histocompatibility 2, D region locus 1	1451683_x_at	1.31	0.0072	2135
Mast3	microtubule associated serine/threonine kinase 3	1435666_at	1.31	0.0022	2136
Mm.274839		1434982_at	-1.31	0.0009	2137
Tfdp2	transcription factor Dp 2	1437174_at	1.31	0.0062	2138
Bex4	brain expressed gene 4	1428209_at	-1.31	0.0123	2139
BB376947		1438577_at	-1.31	0.0317	2140
Gucy1b3	guanylate cyclase 1, soluble, beta 3	1420872_at	-1.31	0.0032	2141
Prkar2b	protein kinase, cAMP dependent regulatory, type II beta	1438664_at	1.31	0.0043	2142
Igsf3	immunoglobulin superfamily, member 3	1455048_at	1.31	0.0018	2143
Xkr8	X Kell blood group precursor related family member 8 homolog	1439590_at	-1.31	0.0105	2144
1439515_at		1439515_at	1.31	0.0260	2145
Hes6	hairy and enhancer of split 6 (Drosophila)	1452021_a_at	-1.31	0.0027	2146
Agfg1	ArfGAP with FG repeats 1	1426922_s_at	1.31	0.0144	2147
BB427458		1446327_at	-1.31	0.0012	2148
Pdgfra	platelet derived growth factor receptor, alpha polypeptide	1421917_at	-1.31	2.90E-05	2149
Cytip	cytohesin 1 interacting protein	1435697_a_at	1.31	0.0172	2150
Cspg5	chondroitin sulfate proteoglycan 5	1450713_at	-1.31	0.0064	2151
Slc12a7	solute carrier family 12, member 7	1418257_at	-1.31	0.0016	2152
Obfc2a	oligonucleotide/oligosaccharide-binding fold containing 2A	1430623_s_at	-1.31	0.0173	2153
Gm12371	predicted gene 12371	1440361_at	-1.31	0.0065	2154
Bnc2	basonuclin 2	1438861_at	1.31	0.0043	2155
Mta3	metastasis associated 3	1421402_at	-1.31	0.0024	2156
Cxxc5	CXXC finger 5	1448960_at	1.31	0.0408	2157
Coro1a	coronin, actin binding protein 1A	1455269_a_at	-1.31	0.0182	2158



Tgfb1	transforming growth factor, beta induced	1415871_at	1.31	0.0062	2159
Mm.400368		1440388_at	-1.31	0.0128	2160
2010109N14Rik	RIKEN cDNA 2010109N14 gene	1435524_at	-1.31	0.0034	2161
1423825_at		1423825_at	1.31	0.0377	2162
Vwa3a	von Willebrand factor A domain containing 3A	1456129_at	-1.31	0.0408	2163
Adcy6	adenylate cyclase 6	1418128_at	-1.31	0.0006	2164
Dtx4	deltex 4 homolog (Drosophila)	1436545_at	1.31	0.0265	2165
Gpr123	G protein-coupled receptor 123	1429696_at	-1.31	0.0046	2166
Rab27a	RAB27A, member RAS oncogene family	1425284_a_at	-1.31	0.0192	2167
Atp10d	ATPase, class V, type 10D	1436544_at	-1.31	0.0283	2168
D11Bwg0517e	DNA segment, Chr 11, Brigham & Women's Genetics 0517 expressed	1427286_at	1.31	0.0049	2169
Pnmt	phenylethanolamine-N-methyltransferase	1450606_at	1.31	0.0436	2170
1430307_a_at		1430307_a_at	1.31	0.0161	2171
Thbs3	thrombospondin 3	1416623_at	-1.31	0.0019	2172
Ttll1	tubulin tyrosine ligase-like 1	1426427_at	-1.31	0.0038	2173
Tyrp1	tyrosinase-related protein 1	1439409_x_at	-1.31	0.0088	2174
Haus4	HAUS augmin-like complex, subunit 4	1451103_at	-1.31	0.0054	2175
Baiap2	brain-specific angiogenesis inhibitor 1-associated protein 2	1425656_a_at	1.31	0.0020	2176
Nppc	natriuretic peptide precursor type C	1422790_at	-1.31	0.0016	2177
Prkdc	protein kinase, DNA activated, catalytic polypeptide	1451576_at	-1.31	0.0347	2178
Shisa6	shisa homolog 6 (Xenopus laevis)	1455512_at	1.31	0.0022	2179
Mm.382088		1447365_at	-1.31	0.0034	2180
Ubash3b	ubiquitin associated and SH3 domain containing, B	1429475_at	1.31	0.0397	2181
Slc25a29	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine tra	1423979_a_at	-1.31	0.0007	2182
1452342_at		1452342_at	1.31	0.0022	2183
1435445_at		1435445_at	1.31	0.0207	2184
1440975_at		1440975_at	-1.31	0.0010	2185

Vat1l	vesicle amine transport protein 1 homolog-like (T. californica)	1433551_at	1.31	0.0262	2186
1455451_at		1455451_at	-1.31	0.0372	2187
1453363_at		1453363_at	1.31	0.0016	2188
Ppp4r1	protein phosphatase 4, regulatory subunit 1	1424294_at	1.31	0.0003	2189
1810011O10Rik	RIKEN cDNA 1810011O10 gene	1451415_at	1.31	0.0393	2190
4933427D14Rik	RIKEN cDNA 4933427D14 gene	1433998_at	1.31	0.0165	2191
Mab21l2	mab-21-like 2 (C. elegans)	1443739_at	-1.30	0.0130	2192
Sclt1	sodium channel and clathrin linker 1	1455608_at	1.30	0.0253	2193
6430537K16Rik	RIKEN cDNA 6430537K16 gene	1438878_at	-1.30	0.0464	2194
Twf2	twinfilin, actin-binding protein, homolog 2 (Drosophila)	1431292_a_at	1.30	0.0468	2195
Lrrtm1	leucine rich repeat transmembrane neuronal 1	1437746_at	-1.30	0.0034	2196
Slc16a4	solute carrier family 16 (monocarboxylic acid transporters), membe	1426082_a_at	1.30	0.0087	2197
Emx2os	empty spiracles homolog 2 (Drosophila) opposite strand	1456559_at	-1.30	0.0163	2198
Adamts18	a disintegrin-like and metallopeptidase (reprolysin type) with throm	1444253_at	1.30	0.0002	2199
Brwd1	bromodomain and WD repeat domain containing 1	1433955_at	1.30	0.0419	2200
Spire1	spire homolog 1 (Drosophila)	1459548_at	1.30	0.0005	2201
6430411K18Rik	RIKEN cDNA 6430411K18 gene	1453446_at	1.30	0.0327	2202
Clstn2	calsyntenin 2	1422158_at	1.30	0.0119	2203
Rit2	Ras-like without CAAX 2	1460166_at	-1.30	0.0188	2204
Igdcc4	immunoglobulin superfamily, DCC subclass, member 4	1416474_at	-1.30	0.0334	2205
1457526_at		1457526_at	-1.30	0.0213	2206
Taf13	TAF13 RNA polymerase II, TATA box binding protein (TBP)-associ	1448707_at	1.30	0.0397	2207
1434859_at		1434859_at	-1.30	0.0003	2208
LOC553095	hypothetical LOC553095	1455557_at	-1.30	0.0073	2209
Hn1	hematological and neurological expressed sequence 1	1416028_a_at	1.30	0.0005	2210
1434758_at		1434758_at	1.30	0.0263	2211
Palm2	paralemmin 2	1459377_at	-1.30	0.0396	2212

Ncrna00085	non-protein coding RNA 85	1430959_at	1.30	0.0035	2213
Scn3b	sodium channel, voltage-gated, type III, beta	1435767_at	-1.30	0.0468	2214
2810416A17Rik	RIKEN cDNA 2810416A17 gene	1433266_at	-1.30	0.0329	2215
Usp27x	ubiquitin specific peptidase 27, X chromosome	1436004_at	1.30	0.0093	2216
Fgf18	fibroblast growth factor 18	1449545_at	-1.30	0.0030	2217
Dagla	diacylglycerol lipase, alpha	1455448_at	1.30	0.0265	2218
Dhodh	dihydroorotate dehydrogenase	1417582_s_at	-1.30	0.0024	2219
Rcor2	REST corepressor 2	1417302_at	-1.30	0.0008	2220
Ift20	intraflagellar transport 20 homolog (Chlamydomonas)	1451412_a_at	1.30	0.0152	2221
Ctsb	cathepsin B	1448732_at	1.30	0.0163	2222
Mkrn1	makorin, ring finger protein, 1	1455504_a_at	1.30	0.0318	2223
Xbp1	X-box binding protein 1	1420011_s_at	1.30	0.0218	2224
Rimklb	ribosomal modification protein rimK-like family member B	1429981_a_at	-1.30	0.0306	2225
Zfp652	zinc finger protein 652	1456520_at	1.30	0.0421	2226
Stxbp1	syntaxin binding protein 1	1420506_a_at	1.30	0.0221	2227
Mylk	myosin, light polypeptide kinase	1425505_at	1.30	0.0188	2228
Gabra1	gamma-aminobutyric acid (GABA) A receptor, subunit alpha 1	1421280_at	-1.30	0.0255	2229
1500009L16Rik	RIKEN cDNA 1500009L16 gene	1452840_at	-1.30	0.0009	2230
1449187_at		1449187_at	-1.30	8.00E-05	2231
Ttl	tubulin tyrosine ligase	1451630_at	1.30	0.0007	2232
Taf4a	TAF4A RNA polymerase II, TATA box binding protein (TBP)-associ	1452438_s_at	1.30	0.0040	2233
Dci	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenyn	1418321_at	-1.30	0.0107	2234
Unkl	unkempt-like (Drosophila)	1428565_at	-1.30	0.0157	2235
Mm.372000		1457494_at	-1.30	0.0112	2236
Arl5b	ADP-ribosylation factor-like 5B	1453590_at	1.30	0.0165	2237
Accn1	amiloride-sensitive cation channel 1, neuronal (degenerin)	1417994_a_at	-1.30	0.0024	2238
Malat1	metastasis associated lung adenocarcinoma transcript 1 (non-codi	1429060_at	1.30	0.0220	2239

Sst	somatostatin	1417954_at	-1.30	0.0047	2240
Prkd2	protein kinase D2	1436589_x_at	1.30	0.0079	2241
Dock7	dedicator of cytokinesis 7	1440895_at	1.30	0.0004	2242
E230008O15Rik	RIKEN cDNA E230008O15 gene	1439673_at	-1.30	0.0332	2243
Trpc7	transient receptor potential cation channel, subfamily C, member 7	1420561_at	-1.30	0.0226	2244
Atp2b3	ATPase, Ca <sup>++</sup> transporting, plasma membrane 3	1442645_at	1.30	0.0016	2245
Rcor1	REST corepressor 1	1437545_at	1.30	0.0027	2246
Gpr177	G protein-coupled receptor 177	1437434_a_at	1.30	0.0181	2247
Vps37a	vacuolar protein sorting 37A (yeast)	1429363_at	1.30	0.0481	2248
Siva1	SIVA1, apoptosis-inducing factor	1426323_x_at	-1.30	0.0287	2249
Atxn7	ataxin 7	1442946_at	-1.30	0.0216	2250
Cdk6	cyclin-dependent kinase 6	1440040_at	1.30	0.0155	2251
1456685_at		1456685_at	-1.30	0.0015	2252
Fam100a	family with sequence similarity 100, member A	1424871_s_at	1.30	1.40E-05	2253
Gramd4	GRAM domain containing 4	1452151_at	1.30	0.0003	2254
Enpp1	ectonucleotide pyrophosphatase/phosphodiesterase 1	1419276_at	1.30	0.0407	2255
A330102K18Rik	RIKEN cDNA A330102K18 gene	1433257_at	1.30	0.0402	2256
Twf2	twinfilin, actin-binding protein, homolog 2 (Drosophila)	1439440_x_at	1.30	0.0415	2257
Slc35f4	solute carrier family 35, member F4	1452263_at	-1.30	0.0174	2258
Gm10421	predicted gene 10421	1442558_at	-1.30	0.0323	2259
1454735_at		1454735_at	-1.30	0.0073	2260
5930409G06Rik	RIKEN cDNA 5930409G06 gene	1430745_at	-1.30	0.0041	2261
BB040139		1444828_at	1.30	0.0048	2262
1433423_at		1433423_at	-1.30	0.0128	2263
Parp1	poly (ADP-ribose) polymerase family, member 1	1435368_a_at	-1.30	0.0129	2264
Limd2	LIM domain containing 2	1447766_x_at	-1.30	0.0349	2265
BB223643		1436692_at	-1.30	0.0331	2266

5033414D02Rik	RIKEN cDNA 5033414D02 gene	1460361_at	1.30	0.0147	2267
Ntng1	netrin G1	1426338_a_at	-1.30	0.0174	2268
Med8	mediator of RNA polymerase II transcription, subunit 8 homolog (ye	1431423_a_at	1.30	0.0038	2269
Slc40a1	solute carrier family 40 (iron-regulated transporter), member 1	1448566_at	-1.30	0.0010	2270
Tmem108	transmembrane protein 108	1454729_at	1.30	0.0273	2271
Kcnj6	potassium inwardly-rectifying channel, subfamily J, member 6	1450294_a_at	1.30	0.0165	2272
Nat13	N-acetyltransferase 13	1428410_at	1.29	0.0061	2273
Far1	fatty acyl CoA reductase 1	1426369_at	1.29	0.0045	2274
Mtch2	mitochondrial carrier homolog 2 (C. elegans)	1448654_at	-1.29	0.0027	2275
1454932_at		1454932_at	1.29	5.20E-05	2276
Meg3	maternally expressed 3	1436057_at	1.29	0.0182	2277
AI504432	expressed sequence AI504432	1455161_at	-1.29	0.0011	2278
4930534B04Rik	RIKEN cDNA 4930534B04 gene	1441867_x_at	-1.29	0.0324	2279
Kcnip4	Kv channel interacting protein 4	1451840_at	-1.29	0.0197	2280
1442811_at		1442811_at	-1.29	0.0080	2281
1439079_a_at		1439079_a_at	1.29	0.0222	2282
1450541_at		1450541_at	-1.29	0.0052	2283
1434005_at		1434005_at	1.29	0.0475	2284
Meg3	maternally expressed 3	1439380_x_at	1.29	0.0008	2285
1444317_at		1444317_at	-1.29	0.0132	2286
Anp32e	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	1451356_at	1.29	0.0104	2287
Kcnd2	potassium voltage-gated channel, Shal-related family, member 2	1450773_at	-1.29	0.0012	2288
Tmem176a	transmembrane protein 176A	1423909_at	1.29	0.0239	2289
Oma1	OMA1 homolog, zinc metallopeptidase (S. cerevisiae)	1424299_at	-1.29	6.90E-05	2290
Gpr116	G protein-coupled receptor 116	1440830_at	1.29	0.0072	2291
Cited2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-t	1421267_a_at	-1.29	0.0146	2292
Agfg1	ArfGAP with FG repeats 1	1426923_at	1.29	0.0237	2293

1455314_at		1455314_at	-1.29	0.0039	2294
1436070_at		1436070_at	-1.29	0.0002	2295
Arrdc2	arrestin domain containing 2	1428352_at	1.29	0.0125	2296
Shisa6	shisa homolog 6 ( <i>Xenopus laevis</i> )	1441785_at	1.29	0.0060	2297
Ubtf	upstream binding transcription factor, RNA polymerase I	1453097_a_at	1.29	0.0001	2298
Ammecr1l	AMME chromosomal region gene 1-like	1428904_at	1.29	0.0138	2299
1434150_a_at		1434150_a_at	-1.29	0.0452	2300
Rims2	regulating synaptic membrane exocytosis 2	1450761_s_at	1.29	0.0089	2301
Selm	selenoprotein M	1424394_at	-1.29	0.0002	2302
Fxyd2	FXD domain-containing ion transport regulator 2	1419378_a_at	1.29	0.0497	2303
Mkrn1	makorin, ring finger protein, 1	1451425_a_at	1.29	0.0319	2304
1435043_at		1435043_at	1.29	0.0029	2305
Ptpn	protein tyrosine phosphatase, receptor type, N	1416588_at	1.29	0.0415	2306
Rfx7	regulatory factor X, 7	1460567_at	1.29	0.0017	2307
Mageh1	melanoma antigen, family H, 1	1422498_at	-1.29	9.40E-07	2308
Phgdh	3-phosphoglycerate dehydrogenase	1426658_x_at	-1.29	0.0210	2309
Ipcef1	interaction protein for cytohesin exchange factors 1	1441791_at	-1.29	0.0395	2310
Cks1b	CDC28 protein kinase 1b	1448441_at	1.29	0.0080	2311
Rps6ka3	ribosomal protein S6 kinase polypeptide 3	1455206_at	1.29	0.0016	2312
Zfp385b	zinc finger protein 385B	1436731_at	1.29	0.0242	2313
Trim8	tripartite motif protein 8	1418577_at	-1.29	9.90E-05	2314
Epha3	Eph receptor A3	1425574_at	1.29	0.0030	2315
1460007_at		1460007_at	-1.29	0.0094	2316
Cdk9	cyclin-dependent kinase 9 (CDC2-related kinase)	1417269_at	1.29	0.0002	2317
Timp3	tissue inhibitor of metalloproteinase 3	1449335_at	1.29	0.0326	2318
Shb	src homology 2 domain-containing transforming protein B	1434153_at	1.29	0.0193	2319
Fam101a	family with sequence similarity 101, member A	1453192_at	1.29	0.0328	2320

C2	complement component 2 (within H-2S)	1457664_x_at	1.29	0.0223	2321
Xbp1	X-box binding protein 1	1437223_s_at	1.29	0.0106	2322
Nfya	nuclear transcription factor-Y alpha	1452560_a_at	1.29	0.0065	2323
1446712_at		1446712_at	-1.29	0.0427	2324
Gabra2	gamma-aminobutyric acid (GABA) A receptor, subunit alpha 2	1421738_at	-1.29	0.0306	2325
1700013G23Rik	RIKEN cDNA 1700013G23 gene	1438378_at	1.29	0.0080	2326
2410024N18Rik	RIKEN cDNA 2410024N18 gene	1452914_at	-1.29	0.0087	2327
C2	complement component 2 (within H-2S)	1441912_x_at	1.29	0.0058	2328
Lilrb4	leukocyte immunoglobulin-like receptor, subfamily B, member 4	1420394_s_at	1.29	0.0423	2329
D130037M23Rik	RIKEN cDNA D130037M23 gene	1457321_at	1.29	0.0391	2330
1440147_at		1440147_at	-1.29	0.0138	2331
1435126_at		1435126_at	1.29	0.0006	2332
Rwdd2a	RWD domain containing 2A	1428963_at	-1.29	0.0051	2333
Rpap3	RNA polymerase II associated protein 3	1448555_at	1.29	0.0005	2334
Zbtb34	zinc finger and BTB domain containing 34	1436085_at	-1.29	0.0108	2335
Dcaf10	DDB1 and CUL4 associated factor 10	1438727_at	1.29	0.0009	2336
Man1a2	mannosidase, alpha, class 1A, member 2	1420976_at	1.29	0.0201	2337
Hsd3b7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-	1416968_a_at	1.29	0.0287	2338
Slc31a2	solute carrier family 31, member 2	1416654_at	-1.29	0.0137	2339
E2f1	E2F transcription factor 1	1431875_a_at	1.29	0.0021	2340
Steap2	six transmembrane epithelial antigen of prostate 2	1428636_at	1.29	0.0314	2341
1446180_at		1446180_at	-1.29	0.0034	2342
1455679_at		1455679_at	-1.29	0.0170	2343
1418824_at		1418824_at	1.29	0.0024	2344
C79557	expressed sequence C79557	1459088_at	-1.29	0.0065	2345
Mm.269712		1439804_at	-1.29	0.0398	2346
Epha4	Eph receptor A4	1421928_at	1.29	0.0099	2347

Ttyh3	tweety homolog 3 (Drosophila)	1454978_at	1.29	0.0080	2348
1430626_at		1430626_at	1.29	0.0166	2349
1448016_at		1448016_at	-1.29	0.0054	2350
Odz4	odd Oz/ten-m homolog 4 (Drosophila)	1451888_a_at	1.29	0.0326	2351
Vip	vasoactive intestinal polypeptide	1428664_at	1.29	0.0470	2352
Tshz1	teashirt zinc finger family member 1	1427232_at	1.29	0.0195	2353
Kcnn3	potassium intermediate/small conductance calcium-activated char	1459308_at	-1.29	0.0052	2354
1700019D03Rik	RIKEN cDNA 1700019D03 gene	1430368_s_at	-1.29	0.0391	2355
Kcnc4	potassium voltage gated channel, Shaw-related subfamily, member	1425090_s_at	-1.29	0.0081	2356
Mm.287851		1437003_at	1.29	0.0397	2357
Sntg2	syntrophin, gamma 2	1418789_at	-1.29	0.0116	2358
Mrpl23	mitochondrial ribosomal protein L23	1416948_at	-1.29	0.0101	2359
BB470469		1441230_at	1.29	0.0314	2360
Tmem35	transmembrane protein 35	1416710_at	-1.29	0.0002	2361
1439498_at		1439498_at	-1.29	0.0381	2362
Fert2	fer (fms/fps related) protein kinase, testis specific 2	1426090_a_at	1.29	0.0115	2363
Ncor2	nuclear receptor co-repressor 2	1448893_at	1.29	0.0025	2364
Snta1	syntrophin, acidic 1	1416825_at	1.29	0.0407	2365
Gcnt2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	1421415_s_at	-1.29	0.0019	2366
Ckmt1	creatine kinase, mitochondrial 1, ubiquitous	1417089_a_at	-1.29	0.0002	2367
Ucma	upper zone of growth plate and cartilage matrix associated	1428994_s_at	1.29	0.0019	2368
Bbx	bobby sox homolog (Drosophila)	1458602_at	1.29	0.0472	2369
4930556H04Rik	RIKEN cDNA 4930556H04 gene	1453543_at	-1.29	0.0007	2370
Plekhf1	pleckstrin homology domain containing, family F (with FYVE domair	1424671_at	1.29	0.0162	2371
Atmin	ATM interactor	1434143_at	1.29	0.0021	2372
2700038G22Rik	RIKEN cDNA 2700038G22 gene	1453745_at	-1.29	0.0196	2373
Opalin	oligodendrocytic myelin paranodal and inner loop protein	1435854_at	-1.29	0.0417	2374



Aldh1a3	aldehyde dehydrogenase family 1, subfamily A3	1417642_at	1.28	0.0250	2375
Vstm2b	V-set and transmembrane domain containing 2B	1447425_at	-1.28	0.0468	2376
Dnm3	dynamin 3	1446431_at	-1.28	0.0073	2377
Jsrp1	junctional sarcoplasmic reticulum protein 1	1432289_a_at	1.28	0.0148	2378
1442920_at		1442920_at	1.28	0.0298	2379
Mex3b	mex3 homolog B (C. elegans)	1437152_at	-1.28	0.0012	2380
C1qa	complement component 1, q subcomponent, alpha polypeptide	1417381_at	1.28	0.0303	2381
Tctn2	tectonic family member 2	1423224_at	-1.28	0.0133	2382
Plxna3	plexin A3	1420996_at	-1.28	0.0195	2383
Igsf3	immunoglobulin superfamily, member 3	1455049_at	1.28	0.0043	2384
Oxr1	oxidation resistance 1	1418502_a_at	-1.28	0.0021	2385
Sart3	squamous cell carcinoma antigen recognized by T-cells 3	1417548_at	1.28	0.0162	2386
Hook2	hook homolog 2 (Drosophila)	1419350_at	-1.28	0.0172	2387
Tmem109	transmembrane protein 109	1416033_at	-1.28	0.0077	2388
2610524H06Rik	RIKEN cDNA 2610524H06 gene	1429244_at	1.28	0.0072	2389
Elf1	E74-like factor 1	1417540_at	1.28	0.0407	2390
Pbx2	pre B-cell leukemia transcription factor 2	1449261_at	-1.28	0.0232	2391
Tmem198	transmembrane protein 198	1455192_at	1.28	0.0110	2392
1458203_at		1458203_at	1.28	0.0097	2393
Slc40a1	solute carrier family 40 (iron-regulated transporter), member 1	1417061_at	-1.28	0.0452	2394
Arhgef12	Rho guanine nucleotide exchange factor (GEF) 12	1453853_a_at	1.28	0.0476	2395
Kcnip1	Kv channel-interacting protein 1	1448459_at	1.28	0.0129	2396
Larp4	La ribonucleoprotein domain family, member 4	1437177_at	1.28	0.0112	2397
Camk2d	calcium/calmodulin-dependent protein kinase II, delta	1459457_at	-1.28	0.0229	2398
Usp53	ubiquitin specific peptidase 53	1452385_at	1.28	0.0148	2399
Osbpl1a	oxysterol binding protein-like 1A	1460192_at	-1.28	0.0240	2400
Ctsk	cathepsin K	1450652_at	1.28	0.0057	2401

Fam184a	family with sequence similarity 184, member A	1430066_at	-1.28	0.0073	2402
Klhl1	kelch-like 1 (Drosophila)	1449241_at	1.28	0.0034	2403
Lrrc8a	leucine rich repeat containing 8A	1434694_at	1.28	0.0217	2404
Brd9	bromodomain containing 9	1456018_at	-1.28	5.30E-05	2405
1445255_at		1445255_at	-1.28	0.0013	2406
1455117_at		1455117_at	-1.28	0.0090	2407
Ephb2	Eph receptor B2	1425016_at	-1.28	0.0304	2408
Dgkk	diacylglycerol kinase kappa	1442865_at	1.28	0.0094	2409
Sipa1l2	signal-induced proliferation-associated 1 like 2	1434261_at	-1.28	0.0477	2410
1453541_at		1453541_at	1.28	0.0015	2411
Dnaja4	DnaJ (Hsp40) homolog, subfamily A, member 4	1418592_at	1.28	0.0071	2412
1435274_at		1435274_at	1.28	0.0162	2413
Casz1	castor homolog 1, zinc finger (Drosophila)	1459054_at	1.28	0.0410	2414
Nlk	nemo like kinase	1419112_at	1.28	0.0342	2415
5430434G16Rik	RIKEN cDNA 5430434G16 gene	1432850_at	-1.28	0.0482	2416
Sphkap	SPHK1 interactor, AKAP domain containing	1431069_at	-1.28	0.0023	2417
Mm.385263		1449625_at	1.28	0.0099	2418
Ckap4	cytoskeleton-associated protein 4	1426754_x_at	1.28	0.0058	2419
Kcna3	potassium voltage-gated channel, shaker-related subfamily, member 3	1456064_at	-1.28	0.0076	2420
Tshz1	teashirt zinc finger family member 1	1427233_at	1.28	0.0223	2421
Cyb561	cytochrome b-561	1417507_at	-1.28	0.0049	2422
Smg5	Smg-5 homolog, nonsense mediated mRNA decay factor (C. elegans)	1451797_at	1.28	0.0233	2423
Ermp1	endoplasmic reticulum metalloproteinase 1	1433702_at	-1.28	0.0106	2424
Agap1	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1	1435433_at	-1.28	0.0047	2425
Atp2c1	ATPase, Ca <sup>++</sup> -sequestering	1431196_at	-1.28	0.0110	2426
Pygl	liver glycogen phosphorylase	1417741_at	-1.28	0.0065	2427
Grin3a	glutamate receptor ionotropic, NMDA3A	1436575_at	-1.28	0.0320	2428

Gsr	glutathione reductase	1421817_at	1.28	0.0036	2429
Panx1	pannexin 1	1458653_at	1.28	0.0472	2430
Pcmt1	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	1456604_a_at	1.28	0.0051	2431
Cacnb3	calcium channel, voltage-dependent, beta 3 subunit	1448656_at	1.28	0.0001	2432
Lpp	LIM domain containing preferred translocation partner in lipoma	1436714_at	-1.28	0.0060	2433
Dhx29	DEAH (Asp-Glu-Ala-His) box polypeptide 29	1439076_at	1.28	0.0023	2434
C630043F03Rik	RIKEN cDNA C630043F03 gene	1455542_at	-1.28	0.0132	2435
Dhdpsl	dihydrodipicolinate synthase-like, mitochondrial	1450098_at	-1.28	0.0006	2436
Mm.98300		1446216_at	1.28	0.0005	2437
1432064_at		1432064_at	1.28	0.0027	2438
Kcnn1	potassium intermediate/small conductance calcium-activated char	1449536_at	1.28	0.0027	2439
Sertad2	SERTA domain containing 2	1444645_at	1.28	0.0304	2440
Tmem44	transmembrane protein 44	1456517_at	-1.28	0.0037	2441
Msrb2	methionine sulfoxide reductase B2	1424433_at	-1.28	0.0016	2442
Oxr1	oxidation resistance 1	1418501_a_at	-1.28	0.0025	2443
Kifc2	kinesin family member C2	1421312_a_at	-1.28	0.0179	2444
Stx6	syntaxin 6	1450844_at	1.28	0.0029	2445
Prrx1	paired related homeobox 1	1439774_at	1.28	0.0107	2446
Ptpdc1	protein tyrosine phosphatase domain containing 1	1437613_s_at	1.28	0.0275	2447
Igsf1	immunoglobulin superfamily, member 1	1438589_at	-1.28	0.0077	2448
Fam148c	family with sequence similarity 148, member C	1443344_at	-1.28	0.0314	2449
Slc39a10	solute carrier family 39 (zinc transporter), member 10	1433751_at	1.28	0.0078	2450
Emb	embigin	1415856_at	1.28	0.0071	2451
Cebpg	CCAAT/enhancer binding protein (C/EBP), gamma	1451639_at	1.28	0.0045	2452
Bzw2	basic leucine zipper and W2 domains 2	1423456_at	-1.28	0.0016	2453
Mmp15	matrix metalloproteinase 15	1437462_x_at	-1.28	0.0116	2454
1458351_s_at		1458351_s_at	1.28	0.0033	2455

Sbf1	SET binding factor 1	1434707_at	1.28	0.0022	2456
1438134_at		1438134_at	-1.28	0.0278	2457
Ncoa3	nuclear receptor coactivator 3	1422737_at	1.28	0.0376	2458
Igdcc4	immunoglobulin superfamily, DCC subclass, member 4	1416473_a_at	-1.28	0.0245	2459
1420501_at		1420501_at	1.28	0.0011	2460
Xkr6	X Kell blood group precursor related family member 6 homolog	1425928_at	1.28	0.0097	2461
Gm13111	predicted gene 13111	1457215_at	-1.28	0.0292	2462
Tmco5	transmembrane and coiled-coil domains 5	1420341_at	-1.28	0.0198	2463
BG075374		1446012_at	-1.28	0.0497	2464
Stx6	syntaxin 6	1431646_a_at	1.28	0.0252	2465
Gfra1	glial cell line derived neurotrophic factor family receptor alpha 1	1421973_at	-1.28	0.0064	2466
2900001G08Rik	RIKEN cDNA 2900001G08 gene	1430642_at	-1.28	0.0366	2467
1457332_at		1457332_at	-1.28	0.0062	2468
Raph1	Ras association (RalGDS/AF-6) and pleckstrin homology domains	1456918_at	1.28	0.0085	2469
Reln	reelin	1449465_at	1.28	0.0002	2470
Cdh2	cadherin 2	1418815_at	-1.28	0.0001	2471
Ssr1	signal sequence receptor, alpha	1417763_at	1.28	0.0268	2472
1453079_at		1453079_at	-1.28	0.0057	2473
Zfp365	zinc finger protein 365	1433583_at	-1.28	0.0004	2474
Arfgap1	ADP-ribosylation factor GTPase activating protein 1	1427245_at	1.28	0.0060	2475
Fam129a	family with sequence similarity 129, member A	1422567_at	1.28	0.0127	2476
Zfp229	zinc finger protein	1438349_at	-1.28	0.0017	2477
1457264_at		1457264_at	1.28	0.0441	2478
Coro2b	coronin, actin binding protein, 2B	1434326_x_at	-1.28	0.0003	2479
Pts	6-pyruvoyl-tetrahydropterin synthase	1450660_at	-1.28	0.0007	2480
Pmaip1	phorbol-12-myristate-13-acetate-induced protein 1	1418203_at	1.28	0.0382	2481
Akr1c18	aldo-keto reductase family 1, member C18	1419136_at	1.27	0.0038	2482

1449001_at		1449001_at	-1.27	0.0404	2483
Pard6b	par-6 (partitioning defective 6) homolog beta (C. elegans)	1423174_a_at	1.27	0.0152	2484
4933415E08Rik	RIKEN cDNA 4933415E08 gene	1459920_at	-1.27	0.0123	2485
Cadm1	cell adhesion molecule 1	1417377_at	-1.27	0.0090	2486
Gabrg1	gamma-aminobutyric acid (GABA) A receptor, subunit gamma 1	1460408_at	-1.27	0.0262	2487
Tlcd2	TLC domain containing 2	1432282_a_at	1.27	0.0018	2488
Scnn1a	sodium channel, nonvoltage-gated 1 alpha	1425088_at	-1.27	0.0272	2489
Timp3	tissue inhibitor of metalloproteinase 3	1419089_at	1.27	0.0279	2490
Rims4	regulating synaptic membrane exocytosis 4	1456926_at	1.27	0.0053	2491
1442386_at		1442386_at	-1.27	0.0345	2492
Kcnd2	potassium voltage-gated channel, Shal-related family, member 2	1459288_at	-1.27	0.0389	2493
L3mbtl3	l(3)mbt-like 3 (Drosophila)	1434246_at	1.27	0.0198	2494
Rps6ka4	ribosomal protein S6 kinase, polypeptide 4	1448498_at	-1.27	0.0072	2495
Mm.441936		1453780_at	1.27	0.0240	2496
C530008M17Rik	RIKEN cDNA C530008M17 gene	1434645_at	-1.27	0.0363	2497
2010109N14Rik	RIKEN cDNA 2010109N14 gene	1447896_s_at	-1.27	0.0095	2498
Larp4	La ribonucleoprotein domain family, member 4	1455102_at	1.27	0.0315	2499
1430969_at		1430969_at	-1.27	0.0286	2500
Mm.384161		1444914_at	-1.27	0.0023	2501
Minpp1	multiple inositol polyphosphate histidine phosphatase 1	1423265_at	-1.27	0.0099	2502
Mras	muscle and microspikes RAS	1449590_a_at	1.27	0.0283	2503
1442302_at		1442302_at	-1.27	0.0116	2504
Mettl6	methyltransferase like 6	1432384_a_at	1.27	0.0004	2505
Smad1	MAD homolog 1 (Drosophila)	1416081_at	1.27	0.0251	2506
Vat1	vesicle amine transport protein 1 homolog (T californica)	1441930_x_at	1.27	0.0203	2507
Dlx6os1	Dlx6 opposite strand transcript 1	1438799_at	1.27	0.0196	2508
Ryr3	ryanodine receptor 3	1452533_at	-1.27	0.0265	2509

Mm.386266		1445564_at	1.27	0.0034	2510
A530047J11Rik	RIKEN cDNA A530047J11 gene	1440884_s_at	-1.27	0.0127	2511
Rreb1	ras responsive element binding protein 1	1434741_at	-1.27	0.0277	2512
D11Bwg0517e	DNA segment, Chr 11, Brigham & Women's Genetics 0517 expressed	1456149_at	1.27	0.0257	2513
Ttc39c	tetratricopeptide repeat domain 39C	1426223_at	-1.27	0.0011	2514
Pip5k1c	phosphatidylinositol-4-phosphate 5-kinase, type 1 gamma	1424954_a_at	1.27	0.0079	2515
1452723_at		1452723_at	1.27	0.0413	2516
Fam49a	family with sequence similarity 49, member A	1454806_at	-1.27	0.0003	2517
Rgs3	regulator of G-protein signaling 3	1425296_a_at	1.27	0.0066	2518
YdjC	YdjC homolog (bacterial)	1428550_at	-1.27	6.50E-05	2519
Tmem63c	transmembrane protein 63c	1456184_at	1.27	0.0196	2520
Nxn	nucleoredoxin	1422465_a_at	1.27	0.0004	2521
Adam23	a disintegrin and metallopeptidase domain 23	1447946_at	1.27	0.0040	2522
BE370605		1453141_at	-1.27	0.0090	2523
Syn2	synapsin II	1449030_at	1.27	0.0309	2524
1422695_at		1422695_at	1.27	0.0060	2525
Galnt7	UDP-N-acetyl-alpha-D-galactosamine: polypeptide N-acetylgalact	1426908_at	1.27	0.0020	2526
Raph1	Ras association (RalGDS/AF-6) and pleckstrin homology domains	1434303_at	1.27	0.0011	2527
1429434_at		1429434_at	1.27	0.0143	2528
Tmeff2	transmembrane protein with EGF-like and two follistatin-like doma	1441598_at	1.27	0.0259	2529
Rin1	Ras and Rab interactor 1	1437460_x_at	-1.27	0.0026	2530
1446117_at		1446117_at	1.27	0.0253	2531
Med14	mediator complex subunit 14	1456785_at	1.27	0.0359	2532
Pgcp	plasma glutamate carboxypeptidase	1416441_at	1.27	0.0076	2533
1446366_at		1446366_at	-1.27	0.0023	2534
Map1lc3a	microtubule-associated protein 1 light chain 3 alpha	1451290_at	1.27	0.0307	2535
8430406P12Rik	RIKEN cDNA 8430406P12 gene	1430506_at	1.27	0.0129	2536

Mm.470998		1447937_a_at	-1.27	0.0281	2537
Nsbp1	nucleosome binding protein 1	1418152_at	-1.27	0.0077	2538
Slc24a3	solute carrier family 24 (sodium/potassium/calcium exchanger), mem	1442184_at	-1.27	0.0432	2539
1455444_at		1455444_at	-1.27	0.0390	2540
1434530_at		1434530_at	1.27	0.0063	2541
Rps6kl1	ribosomal protein S6 kinase-like 1	1426466_s_at	1.27	0.0023	2542
1439168_at		1439168_at	-1.27	0.0159	2543
Otud7a	OTU domain containing 7A	1438286_at	1.27	0.0042	2544
Dhx33	DEAH (Asp-Glu-Ala-His) box polypeptide 33	1429191_at	-1.27	0.0300	2545
Cald1	caldesmon 1	1458057_at	-1.27	0.0453	2546
Psmg2	proteasome (prosome, macropain) assembly chaperone 2	1425373_a_at	-1.27	2.30E-05	2547
Nedd4l	neural precursor cell expressed, developmentally down-regulated g	1423269_a_at	-1.27	0.0044	2548
Nek3	NIMA (never in mitosis gene a)-related expressed kinase 3	1418947_at	-1.27	0.0266	2549
Gas1	growth arrest specific 1	1448494_at	-1.27	0.0062	2550
Ankrd32	ankyrin repeat domain 32	1423577_at	1.27	0.0042	2551
Pfkl	phosphofructokinase, liver, B-type	1450269_a_at	1.27	0.0367	2552
1439638_at		1439638_at	1.27	0.0201	2553
Phf16	PHD finger protein 16	1455185_s_at	1.27	0.0422	2554
Ptpn12	protein tyrosine phosphatase, non-receptor type 12	1455105_at	1.27	0.0465	2555
Uhrf2	ubiquitin-like, containing PHD and RING finger domains 2	1454920_at	-1.27	0.0020	2556
1441192_at		1441192_at	-1.27	0.0050	2557
Trp53bp1	transformation related protein 53 binding protein 1	1442316_x_at	-1.27	0.0125	2558
Cldn12	claudin 12	1433782_at	1.27	0.0086	2559
Phf2011	PHD finger protein 20-like 1	1454939_at	1.27	0.0045	2560
Papola	poly (A) polymerase alpha	1424217_at	1.27	0.0332	2561
Slit1	slit homolog 1 (Drosophila)	1425277_at	-1.27	0.0331	2562
Mbnl2	muscleblind-like 2	1436858_at	1.27	0.0051	2563

Gm11992	predicted gene 11992	1455973_at	-1.27	0.0018	2564
Prim1	DNA primase, p49 subunit	1449061_a_at	-1.27	0.0441	2565
Zfp697	zinc finger protein 697	1440999_at	-1.27	0.0006	2566
1426683_at		1426683_at	1.27	0.0009	2567
Fam155a	family with sequence similarity 155, member A	1435138_at	1.27	0.0046	2568
BB754142		1434497_at	-1.27	0.0130	2569
3110039M20Rik	RIKEN cDNA 3110039M20 gene	1440204_at	-1.27	0.0009	2570
Fgl2	fibrinogen-like protein 2	1421854_at	1.27	0.0117	2571
1435008_at		1435008_at	1.27	0.0009	2572
Sfxn1	sideroflexin 1	1417559_at	-1.27	2.60E-08	2573
1453482_at		1453482_at	1.27	0.0209	2574
Mm.362218		1447302_at	-1.27	0.0034	2575
Cyr61	cysteine rich protein 61	1442340_x_at	1.27	0.0449	2576
Sh3gl2	SH3-domain GRB2-like 2	1418792_at	1.27	0.0104	2577
Csf1	colony stimulating factor 1 (macrophage)	1448914_a_at	-1.27	0.0064	2578
Rhoq	ras homolog gene family, member Q	1440925_at	1.27	0.0376	2579
Usp27x	ubiquitin specific peptidase 27, X chromosome	1427606_at	1.27	0.0049	2580
6330416G13Rik	RIKEN cDNA 6330416G13 gene	1452015_at	1.27	0.0153	2581
Ptprz1	protein tyrosine phosphatase, receptor type Z, polypeptide 1	1427019_at	-1.27	0.0018	2582
Cux1	cut-like homeobox 1	1434683_at	1.27	0.0036	2583
Acbd4	acyl-Coenzyme A binding domain containing 4	1449626_s_at	-1.27	0.0021	2584
Ptprz1	protein tyrosine phosphatase, receptor type Z, polypeptide 1	1452284_at	-1.27	0.0005	2585
Trmt2b	TRM2 tRNA methyltransferase 2 homolog B (S. cerevisiae)	1433672_at	-1.26	0.0038	2586
Snx6	sorting nexin 6	1451602_at	1.26	0.0120	2587
Bcas3	breast carcinoma amplified sequence 3	1428454_at	-1.26	0.0289	2588
Atp1b2	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 2 polypeptide	1435148_at	1.26	0.0066	2589
Cd99	CD99 antigen	1430514_a_at	1.26	0.0168	2590



Ldlrad3	low density lipoprotein receptor class A domain containing 3	1438666_at	-1.26	0.0049	2591
1435700_at		1435700_at	-1.26	0.0488	2592
C330027C09Rik	RIKEN cDNA C330027C09 gene	1449699_s_at	1.26	0.0024	2593
Notch3	Notch gene homolog 3 (Drosophila)	1421965_s_at	1.26	0.0266	2594
Phf20I1	PHD finger protein 20-like 1	1418960_at	1.26	0.0013	2595
Pard3b	par-3 partitioning defective 3 homolog B (C. elegans)	1427169_at	-1.26	0.0260	2596
Atp11c	ATPase, class VI, type 11C	1452496_at	1.26	0.0092	2597
Ebpl	emopamil binding protein-like	1417298_at	-1.26	0.0088	2598
Cxcl16	chemokine (C-X-C motif) ligand 16	1449195_s_at	1.26	0.0435	2599
Zfr	zinc finger RNA binding protein	1449552_at	1.26	0.0003	2600
Radil	Ras association and DIL domains	1433523_at	1.26	0.0272	2601
Rsph4a	radial spoke head 4 homolog A (Chlamydomonas)	1444270_at	-1.26	0.0448	2602
Tyrp1	tyrosinase-related protein 1	1415861_at	-1.26	0.0498	2603
Kif22	kinesin family member 22	1437716_x_at	1.26	0.0004	2604
Kcnmb4	potassium large conductance calcium-activated channel, subfamily	1449471_at	-1.26	0.0002	2605
Asphd1	aspartate beta-hydroxylase domain containing 1	1456837_at	1.26	0.0484	2606
Mm.122693		1446587_at	1.26	0.0435	2607
1444012_at		1444012_at	-1.26	0.0087	2608
C030009O12Rik	RIKEN cDNA C030009O12 gene	1435095_at	-1.26	0.0146	2609
Flrt3	fibronectin leucine rich transmembrane protein 3	1453102_at	-1.26	0.0359	2610
1446783_at		1446783_at	-1.26	0.0291	2611
Sfxn1	sideroflexin 1	1417560_at	-1.26	2.90E-05	2612
Evi2a	ecotropic viral integration site 2a	1450241_a_at	-1.26	0.0388	2613
Kcnj12	potassium inwardly-rectifying channel, subfamily J, member 12	1422871_at	1.26	0.0328	2614
Mm.261670		1418366_at	-1.26	0.0134	2615
Slc35f2	solute carrier family 35, member F2	1429154_at	-1.26	0.0071	2616
Pex11c	peroxisomal biogenesis factor 11 gamma	1430856_at	1.26	0.0219	2617

Mm.394279		1430842_at	-1.26	0.0181	2618
Gabra1	gamma-aminobutyric acid (GABA) A receptor, subunit alpha 1	1436889_at	-1.26	0.0184	2619
1448426_at		1448426_at	1.26	0.0041	2620
Cnn2	calponin 2	1450981_at	1.26	0.0220	2621
Fam118a	family with sequence similarity 118, member A	1448678_at	-1.26	0.0194	2622
Mtap4	microtubule-associated protein 4	1416091_at	-1.26	0.0035	2623
Rnf152	ring finger protein 152	1439887_at	1.26	0.0347	2624
Ephb1	Eph receptor B1	1455188_at	1.26	0.0097	2625
Ggct	gamma-glutamyl cyclotransferase	1435695_a_at	-1.26	8.00E-06	2626
Sfrs8	splicing factor, arginine/serine-rich 8	1434966_at	-1.26	0.0137	2627
Bcor	BCL6 interacting corepressor	1452910_at	1.26	0.0104	2628
4933439C10Rik	RIKEN cDNA 4933439C10 gene	1452696_a_at	-1.26	0.0087	2629
1447467_at		1447467_at	-1.26	0.0087	2630
1440804_at		1440804_at	1.26	0.0448	2631
Dleu2	deleted in lymphocytic leukemia, 2	1456145_at	1.26	0.0186	2632
1430871_at		1430871_at	1.26	0.0417	2633
Sccpdh	saccharopine dehydrogenase (putative)	1426510_at	1.26	0.0047	2634
Ryr3	ryanodine receptor 3	1427427_at	-1.26	0.0223	2635
Plcb1	phospholipase C, beta 1	1425781_a_at	1.26	0.0036	2636
1430152_at		1430152_at	-1.26	0.0230	2637
Rangap1	RAN GTPase activating protein 1	1423749_s_at	1.26	0.0065	2638
Plch1	phospholipase C, eta 1	1457157_at	-1.26	0.0077	2639
Cadm2	cell adhesion molecule 2	1435145_at	1.26	0.0203	2640
Rnh1	ribonuclease/angiogenin inhibitor 1	1451201_s_at	1.26	0.0198	2641
Fert2	fer (fms/fps related) protein kinase, testis specific 2	1460080_at	1.26	0.0022	2642
Nln	neurolysin (metallopeptidase M3 family)	1424981_at	1.26	0.0315	2643
Plscr1	phospholipid scramblase 1	1453181_x_at	1.26	0.0146	2644

Cadm2	cell adhesion molecule 2	1435146_s_at	1.26	0.0263	2645
Lrp1	low density lipoprotein receptor-related protein 1	1448655_at	1.26	0.0009	2646
Igfbpl1	insulin-like growth factor binding protein-like 1	1423377_at	1.26	0.0237	2647
Peli1	pellino 1	1417371_at	-1.26	0.0150	2648
Cyp4v3	cytochrome P450, family 4, subfamily v, polypeptide 3	1417070_at	1.26	0.0180	2649
1445863_at		1445863_at	-1.26	0.0336	2650
Paplg	poly(A) polymerase gamma	1446307_at	1.26	0.0298	2651
5730455O13Rik	RIKEN cDNA 5730455O13 gene	1429984_at	-1.26	0.0014	2652
BB036443		1439852_at	1.26	0.0082	2653
Slc4a4	solute carrier family 4 (anion exchanger), member 4	1434096_at	-1.26	0.0012	2654
Il6st	interleukin 6 signal transducer	1452843_at	1.26	0.0105	2655
Tm4sf1	transmembrane 4 superfamily member 1	1439925_at	1.26	0.0467	2656
Lgi4	leucine-rich repeat LGI family, member 4	1434121_at	1.26	0.0442	2657
Mkrn1	makorin, ring finger protein, 1	1418435_at	1.26	0.0136	2658
Kif17	kinesin family member 17	1422762_at	1.26	0.0460	2659
Umps	uridine monophosphate synthetase	1455832_a_at	-1.26	0.0066	2660
Mm.348409		1455518_at	1.26	0.0184	2661
Baiap2	brain-specific angiogenesis inhibitor 1-associated protein 2	1451028_at	1.26	0.0085	2662
Atf6b	activating transcription factor 6 beta	1417173_at	-1.26	0.0002	2663
Lama3	laminin, alpha 3	1427512_a_at	-1.26	0.0051	2664
Mm.441429		1440203_at	1.26	0.0023	2665
Snca	synuclein, alpha	1418493_a_at	-1.26	0.0134	2666
Tlr4	toll-like receptor 4	1418162_at	1.26	0.0498	2667
Chd1	chromodomain helicase DNA binding protein 1	1420990_at	1.26	0.0225	2668
Stap2	signal transducing adaptor family member 2	1451261_s_at	1.26	0.0047	2669
BE993759		1445668_at	1.26	0.0133	2670
Elovl1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, y	1455994_x_at	1.26	0.0196	2671

Flnb	filamin, beta	1426750_at	1.26	0.0146	2672
2310058N22Rik	RIKEN cDNA 2310058N22 gene	1429215_at	-1.26	0.0014	2673
1420543_at		1420543_at	-1.26	0.0259	2674
Nlk	nemo like kinase	1435970_at	1.26	0.0425	2675
Rock2	Rho-associated coiled-coil containing protein kinase 2	1451041_at	1.26	0.0120	2676
Peg3	paternally expressed 3	1417355_at	1.26	0.0452	2677
9330121K16Rik	RIKEN cDNA 9330121K16 gene	1439701_at	-1.26	9.90E-05	2678
Rrm2b	ribonucleotide reductase M2 B (TP53 inducible)	1433773_at	-1.26	0.0120	2679
Mmgt2	membrane magnesium transporter 2	1451583_a_at	1.26	0.0021	2680
Ccdc101	coiled-coil domain containing 101	1451167_at	1.26	0.0028	2681
Klf6	Kruppel-like factor 6	1447448_s_at	1.26	0.0005	2682
Plcx2	phosphatidylinositol-specific phospholipase C, X domain containing	1435462_at	1.26	0.0197	2683
Ankrd32	ankyrin repeat domain 32	1430047_at	1.26	0.0042	2684
1455660_at		1455660_at	1.26	0.0018	2685
Lipa	lysosomal acid lipase A	1423140_at	1.26	0.0245	2686
Pdzd2	PDZ domain containing 2	1443618_at	1.26	0.0409	2687
Foxn3	forkhead box N3	1434002_at	-1.26	0.0001	2688
1440776_at		1440776_at	-1.26	0.0255	2689
1435893_at		1435893_at	-1.26	0.0213	2690
Nfatc2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-depen	1426032_at	1.26	0.0366	2691
Pla1a	phospholipase A1 member A	1417785_at	1.26	0.0224	2692
Tmem158	transmembrane protein 158	1452652_at	1.26	0.0071	2693
Sept9	septin 9	1417038_at	-1.26	0.0221	2694
Coro2b	coronin, actin binding protein, 2B	1434755_at	-1.26	0.0002	2695
H3f3b	H3 histone, family 3B	1455725_a_at	1.26	0.0152	2696
Tgfa	transforming growth factor alpha	1421942_s_at	-1.26	0.0113	2697
D830016K09Rik	RIKEN cDNA D830016K09 gene	1446559_at	-1.26	0.0078	2698

Nat13	N-acetyltransferase 13	1428970_at	1.26	0.0035	2699
Rhobtb1	Rho-related BTB domain containing 1	1429206_at	1.26	0.0050	2700
Ramp1	receptor (calcitonin) activity modifying protein 1	1417481_at	-1.26	0.0138	2701
Det1	de-etiolated homolog 1 (Arabidopsis)	1429218_at	-1.26	0.0352	2702
Arl13a	ADP-ribosylation factor-like 13A	1431945_at	1.26	0.0032	2703
1417356_at		1417356_at	1.26	0.0104	2704
Nr2c1	nuclear receptor subfamily 2, group C, member 1	1418605_at	1.26	7.00E-05	2705
Nr3c2	nuclear receptor subfamily 3, group C, member 2	1445092_at	-1.26	0.0182	2706
Rgs19	regulator of G-protein signaling 19	1434940_x_at	-1.26	0.0438	2707
A830080D01Rik	RIKEN cDNA A830080D01 gene	1434910_at	1.26	0.0047	2708
1437753_at		1437753_at	1.26	0.0062	2709
Il6ra	interleukin 6 receptor, alpha	1452416_at	-1.26	0.0115	2710
1439215_at		1439215_at	-1.25	0.0105	2711
E130308A19Rik	RIKEN cDNA E130308A19 gene	1455613_at	-1.25	0.0051	2712
Tbc1d15	TBC1 domain family, member 15	1416061_at	1.25	0.0049	2713
Cadm2	cell adhesion molecule 2	1435147_x_at	1.25	0.0022	2714
1455784_at		1455784_at	-1.25	0.0094	2715
Fam171b	family with sequence similarity 171, member B	1436350_at	-1.25	0.0004	2716
1441305_at		1441305_at	-1.25	0.0080	2717
Uhrf2	ubiquitin-like, containing PHD and RING finger domains 2	1447217_at	-1.25	0.0372	2718
N28178	expressed sequence N28178	1445465_at	-1.25	0.0295	2719
Atp11c	ATPase, class VI, type 11C	1443003_at	1.25	0.0407	2720
Ptp4a1	protein tyrosine phosphatase 4a1	1419024_at	1.25	0.0219	2721
Mm.370846		1457490_at	-1.25	0.0316	2722
1440998_at		1440998_at	1.25	0.0126	2723
Fam110b	family with sequence similarity 110, member B	1437150_at	-1.25	0.0001	2724
Slc38a3	solute carrier family 38, member 3	1418706_at	1.25	0.0130	2725

Scn9a	sodium channel, voltage-gated, type IX, alpha	1457819_at	-1.25	0.0390	2726
Bmpr2	bone morphogenic protein receptor, type II (serine/threonine kinas	1419616_at	1.25	0.0442	2727
Ctsb	cathepsin B	1417490_at	1.25	0.0208	2728
Fbn1	fibrillin 1	1425896_a_at	-1.25	0.0131	2729
Mlec	malectin	1436509_at	1.25	0.0234	2730
Ube2h	ubiquitin-conjugating enzyme E2H	1418631_at	1.25	0.0060	2731
Gfra2	glial cell line derived neurotrophic factor family receptor alpha 2	1425579_at	-1.25	0.0002	2732
Pik3r3	phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 3 (p5	1456482_at	1.25	0.0124	2733
Dtna	dystrobrevin alpha	1419223_a_at	1.25	0.0093	2734
Cttn	cortactin	1433908_a_at	-1.25	0.0027	2735
Gsn	gelsolin	1456569_x_at	1.25	0.0303	2736
Rasd2	RASD family, member 2	1458433_at	1.25	0.0248	2737
1434884_at		1434884_at	1.25	0.0152	2738
Syng3	synaptogyrin 3	1416098_at	-1.25	0.0018	2739
Dapk1	death associated protein kinase 1	1426915_at	-1.25	0.0124	2740
Zbp1	Z-DNA binding protein 1	1419604_at	1.25	0.0171	2741
Elov1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, y	1456530_x_at	1.25	0.0230	2742
Nr2e1	nuclear receptor subfamily 2, group E, member 1	1457289_at	-1.25	0.0312	2743
Diras2	DIRAS family, GTP-binding RAS-like 2	1455436_at	1.25	0.0303	2744
Sorbs1	sorbin and SH3 domain containing 1	1436737_a_at	-1.25	0.0029	2745
Prss35	protease, serine, 35	1434195_at	1.25	0.0337	2746
Mm.350038		1455769_at	1.25	0.0036	2747
Nelf	nasal embryonic LHRH factor	1439398_x_at	-1.25	0.0016	2748
6530418L21Rik	RIKEN cDNA 6530418L21 gene	1444723_at	1.25	0.0313	2749
Aldh1a1	aldehyde dehydrogenase family 1, subfamily A1	1416468_at	1.25	0.0217	2750
Akap2	A kinase (PRKA) anchor protein 2	1449168_a_at	-1.25	0.0026	2751
2610029I01Rik	RIKEN cDNA 2610029I01 gene	1428897_at	-1.25	0.0256	2752

BB117670		1439682_at	1.25	0.0319	2753
Nupl2	nucleoporin like 2	1456773_at	-1.25	0.0455	2754
Rps6ka5	ribosomal protein S6 kinase, polypeptide 5	1439004_at	-1.25	0.0135	2755
St8sia5	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 5	1421735_a_at	1.25	0.0486	2756
AI848100	expressed sequence AI848100	1457584_at	-1.25	0.0185	2757
Lamb1-1	laminin B1 subunit 1	1451241_at	-1.25	0.0053	2758
Klf9	Kruppel-like factor 9	1428289_at	1.25	5.50E-05	2759
1445571_at		1445571_at	1.25	0.0397	2760
9630058J23Rik	RIKEN cDNA 9630058J23 gene	1436795_at	-1.25	0.0069	2761
Dip2a	DIP2 disco-interacting protein 2 homolog A (Drosophila)	1452908_at	-1.25	2.40E-05	2762
1438690_at		1438690_at	-1.25	0.0011	2763
Sqstm1	sequestosome 1	1450957_a_at	1.25	0.0004	2764
Arf3	ADP-ribosylation factor 3	1421789_s_at	1.25	0.0007	2765
1457678_at		1457678_at	1.25	0.0298	2766
C77949	expressed sequence C77949	1458915_at	-1.25	0.0137	2767
1437977_at		1437977_at	1.25	0.0160	2768
1452763_at		1452763_at	-1.25	0.0035	2769
Rab33a	RAB33A, member of RAS oncogene family	1417529_at	-1.25	0.0023	2770
Psmb8	proteasome (prosome, macropain) subunit, beta type 8 (large multi	1422962_a_at	1.25	0.0305	2771
Gm9706	predicted gene 9706	1431591_s_at	1.25	0.0496	2772
BB128657		1441626_at	1.25	0.0466	2773
Ccr5	chemokine (C-C motif) receptor 5	1424727_at	1.25	0.0463	2774
Rhobtb2	Rho-related BTB domain containing 2	1451517_at	1.25	0.0001	2775
1428433_at		1428433_at	-1.25	0.0002	2776
Ckap4	cytoskeleton-associated protein 4	1452181_at	1.25	0.0401	2777
Gnb4	guanine nucleotide binding protein (G protein), beta 4	1419469_at	-1.25	0.0032	2778
Alkbh7	alkB, alkylation repair homolog 7 (E. coli)	1428516_a_at	-1.25	0.0226	2779

Stac	src homology three (SH3) and cysteine rich domain	1418957_at	1.25	0.0450	2780
Ranbp3l	RAN binding protein 3-like	1455707_at	-1.25	0.0353	2781
Intu	inturned planar cell polarity effector homolog (Drosophila)	1454350_at	-1.25	0.0097	2782
Nudt17	nudix (nucleoside diphosphate linked moiety X)-type motif 17	1452995_at	-1.25	0.0008	2783
Tbc1d2b	TBC1 domain family, member 2B	1428508_at	-1.25	0.0121	2784
Foxp2	forkhead box P2	1440108_at	1.25	0.0216	2785
Kcnip1	Kv channel-interacting protein 1	1416785_at	1.25	0.0020	2786
Pcdh24	protocadherin 24	1440218_at	1.25	0.0059	2787
Tbk1	TANK-binding kinase 1	1422469_at	1.25	0.0135	2788
H3f3b	H3 histone, family 3B	1420376_a_at	1.25	0.0176	2789
C77370	expressed sequence C77370	1457046_s_at	-1.25	0.0088	2790
Lasp1	LIM and SH3 protein 1	1444947_at	-1.25	0.0220	2791
Dnajb4	DnaJ (Hsp40) homolog, subfamily B, member 4	1431734_a_at	1.25	0.0147	2792
Mm.245291		1458874_at	-1.25	0.0046	2793
1435745_at		1435745_at	1.25	0.0145	2794
Senp7	SUMO1/sentrin specific peptidase 7	1436860_at	-1.25	0.0170	2795
Fam114a2	family with sequence similarity 114, member A2	1424253_at	-1.25	0.0008	2796
Ttc7b	tetratricopeptide repeat domain 7B	1433460_at	-1.25	0.0158	2797
A130078K24Rik	RIKEN cDNA A130078K24 gene	1444482_at	1.25	0.0160	2798
Atp2c1	ATPase, Ca <sup>++</sup> -sequestering	1434386_at	-1.25	5.30E-05	2799
A330008L17Rik	RIKEN cDNA A330008L17 gene	1457318_at	-1.25	0.0059	2800
Robo2	roundabout homolog 2 (Drosophila)	1458229_at	-1.25	0.0116	2801
1437843_s_at		1437843_s_at	1.25	0.0076	2802
1700071A11Rik	RIKEN cDNA 1700071A11 gene	1439967_at	1.25	0.0091	2803
1441422_at		1441422_at	-1.25	0.0277	2804
1435542_s_at		1435542_s_at	1.25	0.0319	2805
Dennd1a	DENN/MADD domain containing 1A	1424625_a_at	-1.25	0.0456	2806



6330403L08Rik	RIKEN cDNA 6330403L08 gene	1453087_at	-1.25	0.0002	2807
1444515_at		1444515_at	-1.25	0.0239	2808
Tmem176a	transmembrane protein 176A	1441811_x_at	1.25	0.0304	2809
AI314180	expressed sequence AI314180	1439127_at	1.25	0.0235	2810
1455494_at		1455494_at	1.25	0.0010	2811
Nudt4	nudix (nucleoside diphosphate linked moiety X)-type motif 4	1418505_at	-1.25	1.20E-05	2812
Ccbl2	cysteine conjugate-beta lyase 2	1455991_at	-1.25	0.0014	2813
4931417G12Rik	RIKEN cDNA 4931417G12 gene	1429865_at	-1.25	0.0001	2814
BB394466		1440790_x_at	1.25	0.0265	2815
1456022_at		1456022_at	-1.25	0.0004	2816
1453514_at		1453514_at	1.25	0.0276	2817
Fam57b	family with sequence similarity 57, member B	1452807_s_at	-1.25	0.0379	2818
Cd55	CD55 antigen	1460242_at	1.25	0.0050	2819
Kcnh3	potassium voltage-gated channel, subfamily H (eag-related), memb	1445805_x_at	1.25	0.0199	2820
Arpp21	cyclic AMP-regulated phosphoprotein, 21	1419028_at	-1.25	0.0125	2821
Fam55c	family with sequence similarity 55, member C	1436941_at	-1.25	0.0222	2822
BB265744		1458134_at	-1.25	0.0219	2823
Vcam1	vascular cell adhesion molecule 1	1415989_at	1.25	0.0369	2824
Setd7	SET domain containing (lysine methyltransferase) 7	1423003_at	1.25	0.0192	2825
Mbnl2	muscleblind-like 2	1455827_at	1.25	0.0100	2826
Agtr1a	angiotensin II receptor, type 1a	1436739_at	-1.25	0.0072	2827
1436316_at		1436316_at	1.25	0.0282	2828
1440338_at		1440338_at	1.25	0.0380	2829
Actn4	actinin alpha 4	1423449_a_at	1.25	0.0027	2830
Cytip	cytohesin 1 interacting protein	1451206_s_at	1.25	0.0077	2831
Slc4a7	solute carrier family 4, sodium bicarbonate cotransporter, member	1455876_at	-1.25	0.0145	2832
Clock	circadian locomotor output cycles kaput	1418659_at	1.25	0.0035	2833

1436133_at		1436133_at	1.25	0.0055	2834
1441295_at		1441295_at	1.25	0.0191	2835
Bhlhe40	basic helix-loop-helix family, member e40	1418025_at	1.25	0.0013	2836
Ckmt1	creatine kinase, mitochondrial 1, ubiquitous	1432418_a_at	-1.25	0.0001	2837
4833424O15Rik	RIKEN cDNA 4833424O15 gene	1429249_at	1.25	0.0155	2838
Gm239	predicted gene 239	1447416_at	-1.25	0.0133	2839
Mm.37652		1458640_at	-1.25	0.0135	2840
Mm.361200		1441691_at	1.25	0.0080	2841
2310044G17Rik	RIKEN cDNA 2310044G17 gene	1424913_at	1.25	0.0132	2842
Dcxr	dicarbonyl L-xylulose reductase	1419456_at	-1.25	0.0148	2843
Ctnn	cortactin	1423917_a_at	-1.25	0.0009	2844
Pcdh10	protocadherin 10	1421311_at	-1.25	0.0020	2845
BB238358		1427335_at	-1.25	0.0061	2846
Mgea5	meningioma expressed antigen 5 (hyaluronidase)	1422901_at	1.25	0.0009	2847
Ifih1	interferon induced with helicase C domain 1	1426276_at	1.25	0.0331	2848
Nipal2	NIPA-like domain containing 2	1424612_at	1.25	0.0039	2849
AU015536	expressed sequence AU015536	1445025_at	1.24	0.0168	2850
2310007H09Rik	RIKEN cDNA 2310007H09 gene	1452889_at	-1.24	0.0093	2851
Ppp1r2	protein phosphatase 1, regulatory (inhibitor) subunit 2	1456830_at	1.24	0.0137	2852
1110032F04Rik	RIKEN cDNA 1110032F04 gene	1456509_at	-1.24	0.0490	2853
1420018_s_at		1420018_s_at	-1.24	0.0154	2854
Mcf2	mcf.2 transforming sequence	1419021_at	1.24	0.0449	2855
Kcnh3	potassium voltage-gated channel, subfamily H (eag-related), memb	1459107_at	1.24	0.0220	2856
Aven	apoptosis, caspase activation inhibitor	1452996_a_at	-1.24	0.0027	2857
Arrb2	arrestin, beta 2	1451987_at	1.24	9.10E-05	2858
3830612M24	hypothetical protein 3830612M24	1435672_at	1.24	0.0284	2859
Galnt1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalact	1416760_at	-1.24	0.0354	2860

Fam57b	family with sequence similarity 57, member B	1438641_x_at	-1.24	0.0185	2861
Igh-VJ558	immunoglobulin heavy chain (J558 family)	1425763_x_at	1.24	0.0044	2862
Stard3	START domain containing 3	1417405_at	1.24	0.0018	2863
Fam98c	family with sequence similarity 98, member C	1451143_at	1.24	0.0144	2864
Nrf1	nuclear respiratory factor 1	1420978_at	1.24	0.0417	2865
Spint1	serine protease inhibitor, Kunitz type 1	1416627_at	-1.24	0.0134	2866
Elmod3	ELMO/CED-12 domain containing 3	1436695_x_at	-1.24	0.0249	2867
Nmbr	neuromedin B receptor	1422342_at	1.24	0.0048	2868
Gjb6	gap junction protein, beta 6	1448397_at	1.24	0.0095	2869
1450190_at		1450190_at	1.24	0.0386	2870
Spock2	sparc/osteonectin, cwcv and kazal-like domains proteoglycan 2	1435026_at	-1.24	0.0369	2871
D13Ert787e	DNA segment, Chr 13, ERATO Doi 787, expressed	1420098_s_at	-1.24	0.0124	2872
Sdk1	sidekick homolog 1 (chicken)	1445326_at	1.24	0.0052	2873
BE991564		1447005_at	-1.24	0.0137	2874
Pigm	phosphatidylinositol glycan anchor biosynthesis, class M	1418964_at	1.24	0.0215	2875
Esam	endothelial cell-specific adhesion molecule	1460356_at	1.24	0.0372	2876
Gpc4	glypican 4	1421088_at	-1.24	0.0382	2877
Rrp8	ribosomal RNA processing 8, methyltransferase, homolog (yeast)	1416559_at	1.24	0.0303	2878
Pdcd10	programmed cell death 10	1458938_at	1.24	0.0266	2879
Klf6	Kruppel-like factor 6	1433508_at	1.24	0.0048	2880
Rbms2	RNA binding motif, single stranded interacting protein 2	1433979_at	1.24	0.0168	2881
Dctd	dCMP deaminase	1454659_at	-1.24	0.0382	2882
BB318743		1435822_at	-1.24	0.0323	2883
Il1r1	interleukin 1 receptor-like 1	1425145_at	1.24	0.0275	2884
Myo18a	myosin XVIIIa	1451422_at	1.24	0.0036	2885
Ltbp1	latent transforming growth factor beta binding protein 1	1448870_at	1.24	0.0388	2886
Fastkd1	FAST kinase domains 1	1427342_at	-1.24	0.0279	2887

Adam23	a disintegrin and metallopeptidase domain 23	1423378_at	1.24	0.0302	2888
Gsto1	glutathione S-transferase omega 1	1456036_x_at	-1.24	0.0007	2889
Ube2v2	ubiquitin-conjugating enzyme E2 variant 2	1417984_at	1.24	0.0006	2890
1110065P20Rik	RIKEN cDNA 1110065P20 gene	1455545_at	-1.24	9.10E-06	2891
Cntlh	centlein, centrosomal protein	1451469_at	-1.24	0.0392	2892
Aloxe3	arachidonate lipoxygenase 3	1449237_at	-1.24	0.0251	2893
1421236_at		1421236_at	-1.24	0.0089	2894
Ddx26b	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B	1426832_at	-1.24	0.0011	2895
1435968_at		1435968_at	-1.24	0.0005	2896
1447056_at		1447056_at	-1.24	0.0047	2897
1429870_at		1429870_at	-1.24	0.0425	2898
Srp54a	signal recognition particle 54a	1416154_at	1.24	0.0229	2899
1430357_at		1430357_at	1.24	0.0163	2900
Mm.442080		1444441_at	-1.24	0.0069	2901
Dusp7	dual specificity phosphatase 7	1452097_a_at	1.24	0.0038	2902
Ufsp1	UFM1-specific peptidase 1	1417807_at	1.24	0.0005	2903
Nus1	nuclear undecaprenyl pyrophosphate synthase 1 homolog (S. cerev	1420646_at	1.24	0.0200	2904
Sart3	squamous cell carcinoma antigen recognized by T-cells 3	1417547_at	1.24	0.0002	2905
Cpa1	carboxypeptidase A1	1428062_at	1.24	0.0017	2906
AI845619	expressed sequence AI845619	1442726_s_at	1.24	0.0048	2907
1418012_at		1418012_at	1.24	0.0058	2908
Tbc1d15	TBC1 domain family, member 15	1416060_at	1.24	0.0437	2909
Gm9885	predicted gene 9885	1425397_at	-1.24	0.0210	2910
Camk2n1	calcium/calmodulin-dependent protein kinase II inhibitor 1	1456609_at	1.24	0.0005	2911
Tm9sf3	transmembrane 9 superfamily member 3	1448375_at	1.24	0.0091	2912
Vldlr	very low density lipoprotein receptor	1417900_a_at	-1.24	0.0221	2913
1810007M14Rik	RIKEN cDNA 1810007M14 gene	1418008_at	1.24	0.0039	2914

Frmpd3	FERM and PDZ domain containing 3	1446506_at	-1.24	0.0251	2915
C77370	expressed sequence C77370	1419968_at	-1.24	0.0110	2916
Pdk4	pyruvate dehydrogenase kinase, isoenzyme 4	1417273_at	-1.24	0.0385	2917
2810032G03Rik	RIKEN cDNA 2810032G03 gene	1453262_at	-1.24	0.0059	2918
Wnk1	WNK lysine deficient protein kinase 1	1430109_at	-1.24	0.0130	2919
Pank3	pantothenate kinase 3	1426259_at	1.24	0.0476	2920
Alox8	arachidonate 8-lipoxygenase	1425376_at	-1.24	0.0466	2921
Aldh9a1	aldehyde dehydrogenase 9, subfamily A1	1436689_a_at	-1.24	0.0408	2922
Mm.406371		1442604_at	1.24	0.0032	2923
Tbk1	TANK-binding kinase 1	1460315_s_at	1.24	0.0225	2924
Sec14i5	SEC14-like 5 (S. cerevisiae)	1441636_at	-1.24	0.0463	2925
Fgfr3	fibroblast growth factor receptor 3	1425796_a_at	1.24	0.0153	2926
1454336_at		1454336_at	-1.24	0.0050	2927
Rbms1	RNA binding motif, single stranded interacting protein 1	1458578_at	1.24	0.0013	2928
Mtdh	metadherin	1455129_at	1.24	0.0264	2929
Slc25a29	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine tra	1423981_x_at	-1.24	0.0030	2930
5730494M16Rik	RIKEN cDNA 5730494M16 gene	1428189_at	-1.24	0.0001	2931
1437533_at		1437533_at	-1.24	0.0134	2932
Dusp16	dual specificity phosphatase 16	1440651_at	1.24	0.0339	2933
Opn3	opsin 3	1417677_at	1.24	0.0207	2934
Aard	alanine and arginine rich domain containing protein	1434528_at	-1.24	0.0006	2935
1430694_at		1430694_at	-1.24	0.0375	2936
1443702_at		1443702_at	-1.24	0.0156	2937
Slc8a2	solute carrier family 8 (sodium/calcium exchanger), member 2	1428054_at	1.24	0.0039	2938
Nudt21	nudix (nucleoside diphosphate linked moiety X)-type motif 21	1428339_at	-1.24	0.0111	2939
Zfp318	zinc finger protein 318	1421478_a_at	1.24	0.0240	2940
Klhl2	kelch-like 2, Mayven (Drosophila)	1426978_at	1.24	0.0032	2941

Mm.101524		1458843_at	-1.24	0.0079	2942
4933431E20Rik	RIKEN cDNA 4933431E20 gene	1434868_at	-1.24	0.0129	2943
Rps6ka6	ribosomal protein S6 kinase polypeptide 6	1429759_at	-1.24	0.0322	2944
Fam102a	family with sequence similarity 102, member A	1426894_s_at	-1.24	0.0334	2945
Ddr1	discoidin domain receptor family, member 1	1415798_at	1.24	0.0053	2946
Pbx2	pre B-cell leukemia transcription factor 2	1418893_at	-1.24	0.0138	2947
Nfatc2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-depen	1439205_at	1.24	0.0427	2948
5730427N09Rik	RIKEN cDNA 5730427N09 gene	1423132_a_at	-1.24	0.0008	2949
Plp2	proteolipid protein 2	1453572_a_at	1.24	0.0333	2950
Fez2	fasciculation and elongation protein zeta 2 (zygin II)	1434348_at	-1.24	0.0003	2951
Ankrd6	ankyrin repeat domain 6	1450227_at	-1.24	0.0348	2952
1427113_s_at		1427113_s_at	1.24	0.0016	2953
Glce	glucuronyl C5-epimerase	1425876_a_at	1.24	0.0211	2954
Cyb561d1	cytochrome b-561 domain containing 1	1434226_at	1.24	0.0376	2955
Thop1	thimet oligopeptidase 1	1448907_at	1.24	0.0161	2956
1451029_at		1451029_at	-1.24	0.0147	2957
1700027A23Rik	RIKEN cDNA 1700027A23 gene	1453320_at	-1.24	0.0014	2958
1443249_at		1443249_at	1.24	2.80E-05	2959
1436514_at		1436514_at	-1.24	0.0237	2960
Gpx7	glutathione peroxidase 7	1417836_at	1.24	0.0179	2961
Rnf24	ring finger protein 24	1453929_at	1.24	0.0484	2962
Rian	RNA imprinted and accumulated in nucleus	1452899_at	1.24	0.0086	2963
Nol8	nucleolar protein 8	1452974_at	-1.24	0.0059	2964
Rab36	RAB36, member RAS oncogene family	1455064_at	-1.24	0.0144	2965
AI854703	expressed sequence AI854703	1435049_s_at	-1.24	0.0157	2966
Smarcd3	SWI/SNF related, matrix associated, actin dependent regulator of c	1418467_at	-1.24	0.0140	2967
Gmds	GDP-mannose 4, 6-dehydratase	1434158_at	-1.24	4.60E-05	2968

2610002M06Rik	RIKEN cDNA 2610002M06 gene	1419690_at	-1.24	0.0018	2969
Telo2	TEL2, telomere maintenance 2, homolog (S. cerevisiae)	1423888_at	-1.24	0.0222	2970
Aplnr	apelin receptor	1423037_at	1.24	0.0119	2971
St3gal5	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	1460241_a_at	1.24	0.0273	2972
C030011L09Rik	RIKEN cDNA C030011L09 gene	1430068_at	-1.24	0.0346	2973
Stxbp1	syntaxin binding protein 1	1420505_a_at	1.24	0.0002	2974
B430319G15Rik	RIKEN cDNA B430319G15 gene	1459230_at	-1.24	0.0492	2975
1428474_at		1428474_at	1.24	0.0262	2976
Gusb	glucuronidase, beta	1448124_at	1.24	0.0238	2977
1428510_at		1428510_at	1.24	9.50E-05	2978
Enpp6	ectonucleotide pyrophosphatase/phosphodiesterase 6	1438785_at	1.24	0.0215	2979
Rwdd2b	RWD domain containing 2B	1419760_a_at	-1.24	0.0094	2980
Mm.477988		1423666_s_at	-1.24	0.0340	2981
E030049G20Rik	RIKEN cDNA E030049G20 gene	1444190_at	-1.24	0.0141	2982
Tmem81	transmembrane protein 81	1453302_at	-1.24	0.0043	2983
1453687_at		1453687_at	-1.24	0.0061	2984
Map3k7ip3	mitogen-activated protein kinase kinase kinase 7 interacting protei	1428762_at	1.24	0.0006	2985
Plcb1	phospholipase C, beta 1	1421170_a_at	1.24	0.0286	2986
Mm.472995		1446455_at	1.24	0.0105	2987
A730056I06Rik	RIKEN cDNA A730056I06 gene	1439894_at	-1.24	0.0351	2988
Agxt2l2	alanine-glyoxylate aminotransferase 2-like 2	1424745_at	1.24	0.0066	2989
Vopp1	vesicular, overexpressed in cancer, prosurvival protein 1	1451127_at	1.24	0.0138	2990
Glt25d2	glycosyltransferase 25 domain containing 2	1437930_at	-1.24	0.0280	2991
4933415E08Rik	RIKEN cDNA 4933415E08 gene	1439497_at	-1.24	0.0062	2992
Siva1	SIVA1, apoptosis-inducing factor	1433680_x_at	-1.24	0.0023	2993
1442169_at		1442169_at	-1.24	0.0331	2994
Abcg4	ATP-binding cassette, sub-family G (WHITE), member 4	1424437_s_at	-1.24	0.0086	2995

1444396_at		1444396_at	1.24	0.0181	2996
Tdgf1	teratocarcinoma-derived growth factor 1	1450989_at	1.24	0.0187	2997
Tnnt1	troponin T1, skeletal, slow	1419606_a_at	1.24	0.0054	2998
Cadm1	cell adhesion molecule 1	1417378_at	-1.24	0.0180	2999
Plcx2	phosphatidylinositol-specific phospholipase C, X domain containing	1455324_at	1.24	0.0219	3000
Agxt	alanine-glyoxylate aminotransferase	1418833_at	1.24	0.0290	3001
Mfap3l	microfibrillar-associated protein 3-like	1441481_at	1.24	0.0041	3002
1434395_at		1434395_at	1.24	0.0001	3003
Bcs1l	BCS1-like (yeast)	1451541_at	-1.23	0.0001	3004
Osbpl5	oxysterol binding protein-like 5	1425391_a_at	1.23	0.0433	3005
Vnn1	vanin 1	1418486_at	-1.23	0.0013	3006
Mlec	malectin	1436508_at	1.23	0.0079	3007
Dock4	dedicator of cytokinesis 4	1436405_at	-1.23	0.0077	3008
Dnm3	dynamamin 3	1446694_at	-1.23	0.0247	3009
Tmcc3	transmembrane and coiled coil domains 3	1434252_at	1.23	0.0281	3010
Chpt1	choline phosphotransferase 1	1426146_a_at	1.23	0.0148	3011
Sox2	SRY-box containing gene 2	1416967_at	-1.23	0.0150	3012
Senp7	SUMO1/sentrin specific peptidase 7	1438413_at	-1.23	0.0482	3013
Cap2	CAP, adenylate cyclase-associated protein, 2 (yeast)	1450910_at	-1.23	0.0128	3014
Fam65b	family with sequence similarity 65, member B	1460555_at	-1.23	0.0002	3015
St6galnac5	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetyl	1419420_at	-1.23	0.0124	3016
1458103_at		1458103_at	1.23	0.0262	3017
E430028B21Rik	RIKEN cDNA E430028B21 gene	1443869_at	1.23	0.0236	3018
Cit	citron	1427669_a_at	1.23	0.0453	3019
Phf20	PHD finger protein 20	1426961_at	-1.23	0.0175	3020
1436541_at		1436541_at	1.23	0.0265	3021
Camk2n2	calcium/calmodulin-dependent protein kinase II inhibitor 2	1429204_at	-1.23	0.0259	3022



BB463084		1439729_at	-1.23	0.0266	3023
Cenpb	centromere protein B	1426051_a_at	1.23	0.0290	3024
Mycl1	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma	1422088_at	-1.23	0.0217	3025
Rnd1	Rho family GTPase 1	1455197_at	-1.23	0.0474	3026
Sec24b	Sec24 related gene family, member B (S. cerevisiae)	1426849_at	1.23	0.0034	3027
Phactr3	phosphatase and actin regulator 3	1429651_at	-1.23	0.0015	3028
Hist2h3c1	histone cluster 2, H3c1	1442051_at	-1.23	0.0151	3029
Kcnj6	potassium inwardly-rectifying channel, subfamily J, member 6	1421581_at	1.23	0.0056	3030
BG068484		1445096_at	-1.23	0.0194	3031
Epha4	Eph receptor A4	1429021_at	1.23	0.0467	3032
1445827_at		1445827_at	-1.23	0.0317	3033
Gpr65	G-protein coupled receptor 65	1449175_at	1.23	0.0213	3034
Kif24	kinesin family member 24	1431937_at	1.23	3.10E-05	3035
1500010J02Rik	RIKEN cDNA 1500010J02 gene	1423655_a_at	1.23	0.0087	3036
1455361_at		1455361_at	1.23	0.0130	3037
1417195_at		1417195_at	1.23	0.0054	3038
Perp	PERP, TP53 apoptosis effector	1416271_at	1.23	0.0498	3039
1434825_at		1434825_at	-1.23	0.0099	3040
Setd6	SET domain containing 6	1428797_at	-1.23	0.0281	3041
Lnx2	ligand of numb-protein X 2	1460249_at	-1.23	0.0166	3042
1434998_at		1434998_at	1.23	0.0301	3043
Lamc1	laminin, gamma 1	1423885_at	1.23	0.0416	3044
Kcnj4	potassium inwardly-rectifying channel, subfamily J, member 4	1451808_at	-1.23	0.0093	3045
1459197_at		1459197_at	1.23	0.0024	3046
AU043011		1445351_at	1.23	0.0318	3047
Gcom1	GRINL1A complex locus	1455180_at	1.23	0.0445	3048
Ubp2l	ubiquitin associated protein 2-like	1433541_a_at	1.23	0.0116	3049

Tbc1d8	TBC1 domain family, member 8	1455683_a_at	1.23	0.0086	3050
Zmym5	zinc finger, MYM-type 5	1425577_at	1.23	0.0004	3051
Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secr	1420696_at	1.23	0.0013	3052
Rras	Harvey rat sarcoma oncogene, subgroup R	1418448_at	1.23	0.0394	3053
Fgf14	fibroblast growth factor 14	1435747_at	-1.23	0.0093	3054
Dab1	disabled homolog 1 (Drosophila)	1435578_s_at	-1.23	0.0221	3055
Parp3	poly (ADP-ribose) polymerase family, member 3	1445888_x_at	1.23	0.0399	3056
1443173_at		1443173_at	-1.23	0.0009	3057
Dpp4	dipeptidylpeptidase 4	1441242_at	1.23	0.0186	3058
Lbp	lipopolysaccharide binding protein	1448550_at	1.23	0.0194	3059
1436921_at		1436921_at	1.23	0.0424	3060
Bdh1	3-hydroxybutyrate dehydrogenase, type 1	1452257_at	-1.23	0.0247	3061
Crtc1	CREB regulated transcription coactivator 1	1458443_at	1.23	0.0001	3062
Lgmn	legumain	1448883_at	1.23	0.0265	3063
Avpr1a	arginine vasopressin receptor 1A	1418603_at	-1.23	0.0161	3064
Serinc5	serine incorporator 5	1433571_at	-1.23	0.0021	3065
Tcn2	transcobalamin 2	1448200_at	1.23	0.0064	3066
Nkain2	Na <sup>+</sup> /K <sup>+</sup> transporting ATPase interacting 2	1429901_at	-1.23	0.0119	3067
Bcl11b	B-cell leukemia/lymphoma 11B	1450339_a_at	-1.23	0.0292	3068
Mcart1	mitochondrial carrier triple repeat 1	1454712_at	1.23	0.0002	3069
Gsr	glutathione reductase	1421816_at	1.23	0.0102	3070
Rmnd5a	required for meiotic nuclear division 5 homolog A (S. cerevisiae)	1431068_at	1.23	0.0367	3071
Ptpdc1	protein tyrosine phosphatase domain containing 1	1433823_at	1.23	0.0275	3072
1435795_at		1435795_at	-1.23	0.0337	3073
Glb1l	galactosidase, beta 1-like	1430385_a_at	1.23	0.0200	3074
C130090K23Rik	RIKEN cDNA C130090K23 gene	1426268_at	1.23	0.0440	3075
Chrdl1	chordin-like 1	1434201_at	-1.23	0.0286	3076

Slc29a3	solute carrier family 29 (nucleoside transporters), member 3	1451013_at	1.23	0.0097	3077
Kcnab1	potassium voltage-gated channel, shaker-related subfamily, beta nr	1448468_a_at	-1.23	0.0045	3078
Pogk	pogo transposable element with KRAB domain	1447864_s_at	-1.23	0.0108	3079
Mycn	v-myc myelocytomatosis viral related oncogene, neuroblastoma de	1425922_a_at	-1.23	0.0316	3080
1453078_at		1453078_at	-1.23	0.0291	3081
Sorbs1	sorbin and SH3 domain containing 1	1428471_at	-1.23	0.0029	3082
Ccnjl	cyclin J-like	1456168_at	-1.23	0.0137	3083
Slc25a29	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine tra	1438187_at	-1.23	0.0016	3084
Irak1bp1	interleukin-1 receptor-associated kinase 1 binding protein 1	1431771_a_at	-1.23	0.0004	3085
Pi4ka	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	1435003_at	1.23	0.0115	3086
Otud7a	OTU domain containing 7A	1450250_at	1.23	1.80E-06	3087
Myog	myogenin	1419391_at	1.23	0.0370	3088
Klhl5	kelch-like 5 (Drosophila)	1444486_at	-1.23	0.0218	3089
Efr3b	EFR3 homolog B (S. cerevisiae)	1435123_at	1.23	0.0092	3090
Plscr3	phospholipid scramblase 3	1431081_a_at	1.23	0.0310	3091
Erb2ip	Erb2 interacting protein	1428011_a_at	1.23	0.0026	3092
Nt5c3l	5'-nucleotidase, cytosolic III-like	1449633_s_at	-1.23	0.0111	3093
2410025L10Rik	RIKEN cDNA 2410025L10 gene	1439470_at	-1.23	0.0118	3094
Apbb2	amyloid beta (A4) precursor protein-binding, family B, member 2	1426719_at	1.23	0.0198	3095
1110003E01Rik	RIKEN cDNA 1110003E01 gene	1416767_a_at	1.23	0.0009	3096
Ero1l	ERO1-like (S. cerevisiae)	1419029_at	1.23	0.0131	3097
Rasa2	RAS p21 protein activator 2	1422785_at	1.23	0.0012	3098
1441469_at		1441469_at	-1.23	0.0246	3099
Slc4a4	solute carrier family 4 (anion exchanger), member 4	1452071_at	-1.23	0.0020	3100
Pcdh9	protocadherin 9	1429861_at	-1.23	0.0006	3101
Pdss2	prenyl (solanesyl) diphosphate synthase, subunit 2	1459473_at	-1.23	0.0260	3102
1442310_at		1442310_at	-1.23	0.0074	3103

Rg9mtd2	RNA (guanine-9-) methyltransferase domain containing 2	1427375_at	1.23	0.0060	3104
Acly	ATP citrate lyase	1439459_x_at	1.23	0.0175	3105
Srd5a3	steroid 5 alpha-reductase 3	1456691_s_at	1.23	0.0340	3106
Rgnef	Rho-guanine nucleotide exchange factor	1431161_at	-1.23	0.0040	3107
Ccnc	cyclin C	1454144_a_at	1.23	0.0315	3108
Dusp7	dual specificity phosphatase 7	1427416_x_at	1.23	0.0398	3109
1454156_at		1454156_at	-1.23	0.0166	3110
Dtwd2	DTW domain containing 2	1428901_at	1.23	0.0072	3111
Zfp365	zinc finger protein 365	1435615_at	-1.23	0.0266	3112
Bcl11b	B-cell leukemia/lymphoma 11B	1438784_at	-1.23	0.0107	3113
1459240_at		1459240_at	1.23	0.0105	3114
Nip7	nuclear import 7 homolog (S. cerevisiae)	1453324_at	-1.23	0.0092	3115
Itga1	integrin alpha 1	1429543_at	1.23	0.0128	3116
Cln6	ceroid-lipofuscinosis, neuronal 6	1454837_at	-1.23	0.0368	3117
LOC229005	hypothetical LOC229005	1442054_at	-1.23	0.0208	3118
Tcte2	t-complex-associated testis expressed 2	1425009_at	1.23	0.0057	3119
Bri3	brain protein I3	1416924_at	1.23	0.0274	3120
Kcnab1	potassium voltage-gated channel, shaker-related subfamily, beta nr	1454043_a_at	-1.23	0.0113	3121
1436237_at		1436237_at	1.23	0.0041	3122
Pyroxd1	pyridine nucleotide-disulphide oxidoreductase domain 1	1451779_at	1.23	0.0439	3123
Mm.216743		1459630_at	-1.23	0.0154	3124
2410022L05Rik	RIKEN cDNA 2410022L05 gene	1420113_s_at	-1.23	0.0070	3125
1439104_at		1439104_at	1.23	0.0235	3126
AI847670	expressed sequence AI847670	1434266_at	1.23	0.0220	3127
Nelf	nasal embryonic LHRH factor	1436959_x_at	-1.23	0.0010	3128
Cetn2	centrin 2	1418579_at	1.23	0.0028	3129
Zfp407	zinc finger protein 407	1459998_at	1.23	0.0208	3130

Frem1	Fras1 related extracellular matrix protein 1	1455280_at	-1.23	0.0126	3131
Rfx7	regulatory factor X, 7	1434521_at	1.23	0.0030	3132
Mm.317821		1447279_at	-1.23	0.0078	3133
Gca	granulocalcin	1451451_at	1.23	0.0258	3134
Gnas	GNAS (guanine nucleotide binding protein, alpha stimulating) compl	1443007_at	-1.23	0.0012	3135
Nedd4	neural precursor cell expressed, developmentally down-regulated 4	1451109_a_at	1.23	0.0011	3136
Peli1	pellino 1	1417372_a_at	-1.23	0.0325	3137
Mm.139167		1438570_at	-1.23	0.0420	3138
	3-Mar membrane-associated ring finger (C3HC4) 3	1446422_at	1.23	0.0101	3139
5430439G13Rik	RIKEN cDNA 5430439G13 gene	1429985_at	-1.23	0.0251	3140
1419655_at		1419655_at	1.23	0.0392	3141
Ift80	intraflagellar transport 80 homolog (Chlamydomonas)	1427568_a_at	-1.23	0.0390	3142
Tsc1	tuberous sclerosis 1	1455252_at	1.23	0.0482	3143
1700020C11Rik	RIKEN cDNA 1700020C11 gene	1424223_at	-1.23	0.0035	3144
Nudcd1	NudC domain containing 1	1433547_s_at	-1.23	0.0019	3145
Map4k5	mitogen-activated protein kinase kinase kinase kinase 5	1427084_a_at	1.23	0.0018	3146
Stag1	stromal antigen 1	1459320_at	-1.23	0.0092	3147
Sbno1	sno, strawberry notch homolog 1 (Drosophila)	1451436_at	1.23	0.0213	3148
Sort1	sortilin 1	1423363_at	1.23	0.0159	3149
1438842_at		1438842_at	-1.23	0.0406	3150
Sypl2	synaptophysin-like 2	1449206_at	-1.23	0.0061	3151
1428643_at		1428643_at	1.23	0.0181	3152
Ung	uracil DNA glycosylase	1425753_a_at	-1.23	0.0380	3153
Grm8	glutamate receptor, metabotropic 8	1421530_a_at	-1.23	0.0460	3154
Fcgr2b	Fc receptor, IgG, low affinity IIb	1435476_a_at	1.23	0.0418	3155
Grm7	glutamate receptor, metabotropic 7	1458861_at	1.23	0.0342	3156
1600012H06Rik	RIKEN cDNA 1600012H06 gene	1428217_at	1.23	0.0136	3157

Nkain2	Na <sup>+</sup> /K <sup>+</sup> transporting ATPase interacting 2	1453329_s_at	-1.23	0.0073	3158
Mm.225946		1445377_at	-1.23	0.0174	3159
Ppfia4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF	1452846_at	1.23	0.0004	3160
Dlg1	discs, large homolog 1 (Drosophila)	1450768_at	1.23	0.0011	3161
1436182_at		1436182_at	-1.23	0.0117	3162
BC025920	cDNA sequence BC025920	1436264_at	1.23	0.0292	3163
Dhx34	DEAH (Asp-Glu-Ala-His) box polypeptide 34	1431561_a_at	1.23	0.0296	3164
1428342_at		1428342_at	-1.23	0.0469	3165
1437071_at		1437071_at	-1.23	0.0003	3166
Pxn	paxillin	1456135_s_at	1.23	0.0187	3167
Far1	fatty acyl CoA reductase 1	1426371_at	1.23	0.0120	3168
Lrrc58	leucine rich repeat containing 58	1440365_at	1.23	0.0347	3169
Tanc2	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing	1436513_at	1.23	0.0041	3170
Setd4	SET domain containing 4	1425239_at	1.23	0.0002	3171
Sri	sorcin	1450878_at	-1.23	0.0001	3172
4930555I21Rik	RIKEN cDNA 4930555I21 gene	1430682_at	-1.23	0.0021	3173
Fam154b	family with sequence similarity 154, member B	1439963_x_at	-1.23	0.0083	3174
LOC552874	hypothetical LOC552874	1440973_at	-1.23	0.0176	3175
Mm.186640		1440603_at	-1.23	0.0450	3176
Krr1	KRR1, small subunit (SSU) processome component, homolog (yeas	1452658_at	1.23	0.0423	3177
Utp6	UTP6, small subunit (SSU) processome component, homolog (yeas	1424500_at	1.23	0.0013	3178
Spnb2	spectrin beta 2	1444089_at	-1.23	0.0049	3179
Nr6a1	nuclear receptor subfamily 6, group A, member 1	1432627_at	1.23	0.0471	3180
Als2	amyotrophic lateral sclerosis 2 (juvenile) homolog (human)	1417783_at	-1.22	0.0011	3181
Ssbp3	single-stranded DNA binding protein 3	1457560_at	1.22	0.0322	3182
Map2k5	mitogen-activated protein kinase kinase 5	1417854_at	-1.22	0.0039	3183
1431078_at		1431078_at	-1.22	0.0059	3184

Vamp8	vesicle-associated membrane protein 8	1420624_a_at	1.22	0.0100	3185
Senp2	SUMO/sentrin specific peptidase 2	1451717_s_at	1.22	0.0063	3186
Kat2b	K(lysine) acetyltransferase 2B	1434037_s_at	1.22	0.0148	3187
Kctd13	potassium channel tetramerisation domain containing 13	1434154_at	-1.22	8.60E-05	3188
Plxna2	plexin A2	1451753_at	1.22	0.0057	3189
1455031_at		1455031_at	1.22	0.0094	3190
Dhodh	dihydroorotate dehydrogenase	1417581_at	-1.22	0.0088	3191
Sgcg	sarcoglycan, gamma (dystrophin-associated glycoprotein)	1429823_at	-1.22	0.0329	3192
Gm3246	predicted gene 3246	1440254_at	-1.22	0.0009	3193
Pcsk7	proprotein convertase subtilisin/kexin type 7	1417180_at	1.22	0.0023	3194
5930427L02Rik	RIKEN cDNA 5930427L02 gene	1445938_at	-1.22	0.0230	3195
Camk2d	calcium/calmodulin-dependent protein kinase II, delta	1427763_a_at	-1.22	0.0476	3196
Cap2	CAP, adenylate cyclase-associated protein, 2 (yeast)	1423222_at	-1.22	0.0194	3197
4933428G20Rik	RIKEN cDNA 4933428G20 gene	1419745_at	1.22	0.0169	3198
Stk10	serine/threonine kinase 10	1417751_at	-1.22	0.0014	3199
Xiap	X-linked inhibitor of apoptosis	1426636_a_at	-1.22	0.0228	3200
Ank	progressive ankylosis	1450627_at	-1.22	0.0121	3201
BC049349	cDNA sequence BC049349	1434296_at	-1.22	0.0185	3202
Snhg10	small nucleolar RNA host gene (non-protein coding) 10	1447993_a_at	-1.22	0.0206	3203
4833422B07Rik	RIKEN cDNA 4833422B07 gene	1454299_at	1.22	0.0055	3204
Arsb	arylsulfatase B	1429189_at	-1.22	0.0098	3205
Slc4a11	solute carrier family 4, sodium bicarbonate transporter-like, member	1434867_at	1.22	0.0401	3206
Dmtf1	cyclin D binding myb-like transcription factor 1	1422636_at	1.22	0.0029	3207
Slc4a7	solute carrier family 4, sodium bicarbonate cotransporter, member	1438673_at	-1.22	0.0139	3208
Mm.354954		1443996_at	-1.22	0.0117	3209
Pofut1	protein O-fucosyltransferase 1	1443881_at	-1.22	0.0097	3210
1427112_at		1427112_at	1.22	0.0090	3211

Enpp1	ectonucleotide pyrophosphatase/phosphodiesterase 1	1459546_s_at	1.22	0.0044	3212
Sgpl1	sphingosine phosphate lyase 1	1415892_at	1.22	0.0415	3213
C030040A22Rik	RIKEN cDNA C030040A22 gene	1444353_at	1.22	0.0017	3214
Gad1	glutamic acid decarboxylase 1	1416562_at	-1.22	0.0011	3215
Scaper	S phase cyclin A-associated protein in the ER	1435930_at	-1.22	0.0103	3216
Syt7	synaptotagmin VII	1423012_at	1.22	0.0108	3217
Aak1	AP2 associated kinase 1	1441782_at	1.22	0.0069	3218
9330154F10Rik	RIKEN cDNA 9330154F10 gene	1433324_at	1.22	0.0463	3219
Cln8	ceroid-lipofuscinosis, neuronal 8	1455745_at	1.22	0.0004	3220
Mll5	myeloid/lymphoid or mixed-lineage leukemia 5	1439107_a_at	1.22	0.0230	3221
1453790_at		1453790_at	1.22	0.0057	3222
BB388769		1444939_at	-1.22	0.0180	3223
Rgs19	regulator of G-protein signaling 19	1417786_a_at	-1.22	0.0208	3224
Eef1a2	eukaryotic translation elongation factor 1 alpha 2	1455690_at	1.22	0.0142	3225
Cadps2	Ca <sup>2+</sup> -dependent activator protein for secretion 2	1451499_at	-1.22	0.0454	3226
Lzts2	leucine zipper, putative tumor suppressor 2	1426409_at	-1.22	0.0004	3227
Cnksr2	connector enhancer of kinase suppressor of Ras 2	1445194_at	1.22	0.0010	3228
5930430L01Rik	RIKEN cDNA 5930430L01 gene	1441048_at	-1.22	0.0083	3229
Usp53	ubiquitin specific peptidase 53	1458899_at	1.22	0.0160	3230
1454613_at		1454613_at	1.22	0.0071	3231
Pip4k2a	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	1449404_at	-1.22	7.70E-05	3232
Map1lc3a	microtubule-associated protein 1 light chain 3 alpha	1447883_x_at	1.22	0.0280	3233
1429693_at		1429693_at	1.22	0.0166	3234
Gga2	golgi associated, gamma adaptin ear containing, ARF binding protein	1428141_at	1.22	0.0058	3235
Thumpd3	THUMP domain containing 3	1417684_at	-1.22	1.40E-05	3236
Gpr34	G protein-coupled receptor 34	1445152_at	1.22	0.0358	3237
Fam114a2	family with sequence similarity 114, member A2	1451283_at	-1.22	0.0010	3238



Cdh2	cadherin 2	1449244_at	-1.22	0.0006	3239
Ckap4	cytoskeleton-associated protein 4	1426755_at	1.22	0.0430	3240
Kcne4	potassium voltage-gated channel, Isk-related subfamily, gene 4	1418156_at	1.22	0.0195	3241
Tmed2	transmembrane emp24 domain trafficking protein 2	1420868_s_at	1.22	0.0056	3242
D930002L09Rik	RIKEN cDNA D930002L09 gene	1444452_at	-1.22	0.0300	3243
1437400_at		1437400_at	-1.22	0.0021	3244
Pptc7	PTC7 protein phosphatase homolog ( <i>S. cerevisiae</i> )	1455958_s_at	-1.22	0.0005	3245
Epb4.9	erythrocyte protein band 4.9	1460223_a_at	1.22	0.0305	3246
Stam2	signal transducing adaptor molecule (SH3 domain and ITAM motif)	1442673_at	1.22	0.0174	3247
Emb	embigin	1415857_at	1.22	0.0029	3248
Nacc2	nucleus accumbens associated 2, BEN and BTB (POZ) domain con	1417152_at	1.22	0.0003	3249
BG085060		1459035_at	1.22	0.0254	3250
Kctd10	potassium channel tetramerisation domain containing 10	1450543_at	-1.22	0.0362	3251
Pcdhb9	protocadherin beta 9	1422640_at	1.22	0.0051	3252
Wscd1	WSC domain containing 1	1455845_at	-1.22	9.30E-06	3253
Zbtb7a	zinc finger and BTB domain containing 7a	1452932_at	1.22	0.0467	3254
Lst1	leukocyte specific transcript 1	1425548_a_at	1.22	0.0466	3255
1422882_at		1422882_at	-1.22	0.0156	3256
FrmD8	FERM domain containing 8	1432848_a_at	1.22	0.0057	3257
Arhgef4	Rho guanine nucleotide exchange factor (GEF) 4	1435033_at	-1.22	0.0011	3258
Abcb4	ATP-binding cassette, sub-family B (MDR/TAP), member 4	1449818_at	-1.22	0.0354	3259
MyI9	myosin, light polypeptide 9, regulatory	1452670_at	1.22	0.0126	3260
Rock2	Rho-associated coiled-coil containing protein kinase 2	1423592_at	1.22	0.0010	3261
A930005I04Rik	RIKEN cDNA A930005I04 gene	1443531_at	-1.22	0.0084	3262
Polr2a	polymerase (RNA) II (DNA directed) polypeptide A	1426242_at	1.22	0.0348	3263
Arhgef18	rho/rac guanine nucleotide exchange factor (GEF) 18	1418553_at	1.22	0.0038	3264
BG068793		1444338_at	1.22	0.0265	3265

Stim2	stromal interaction molecule 2	1434219_at	1.22	0.0094	3266
AA153229		1442120_at	-1.22	0.0133	3267
1439697_at		1439697_at	-1.22	0.0036	3268
Gata2	GATA binding protein 2	1450333_a_at	1.22	0.0015	3269
Ablim2	actin-binding LIM protein 2	1455313_at	1.22	0.0460	3270
Ift122	intraflagellar transport 122 homolog (Chlamydomonas)	1441259_s_at	-1.22	0.0205	3271
Mm.395027		1435119_at	-1.22	0.0319	3272
BB041897		1432570_at	-1.22	0.0243	3273
Akap9	A kinase (PRKA) anchor protein (yotiao) 9	1447912_x_at	1.22	0.0416	3274
Sdhaf1	succinate dehydrogenase complex assembly factor 1	1433936_at	-1.22	0.0198	3275
Mmp17	matrix metalloproteinase 17	1448598_at	-1.22	0.0049	3276
2610507I01Rik	RIKEN cDNA 2610507I01 gene	1431141_at	-1.22	0.0039	3277
1420295_x_at		1420295_x_at	1.22	0.0053	3278
Spsb1	splA/ryanodine receptor domain and SOCS box containing 1	1449752_at	1.22	0.0355	3279
Gpr61	G protein-coupled receptor 61	1436972_at	-1.22	0.0188	3280
D5Buc30e	DNA segment, Chr 5, Bucan 30 expressed	1443205_at	-1.22	0.0427	3281
Tbc1d14	TBC1 domain family, member 14	1420196_s_at	-1.22	0.0098	3282
P2rx4	purinergic receptor P2X, ligand-gated ion channel 4	1425525_a_at	1.22	0.0036	3283
Pip4k2a	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	1419279_at	-1.22	0.0008	3284
Gm16039	predicted gene 16039	1428603_at	1.22	0.0011	3285
Ccdc74a	coiled-coil domain containing 74A	1455568_at	-1.22	0.0015	3286
1428288_at		1428288_at	1.22	0.0001	3287
Klhl8	kelch-like 8 (Drosophila)	1433526_at	-1.22	0.0290	3288
Nnt	nicotinamide nucleotide transhydrogenase	1416105_at	-1.22	0.0029	3289
Foxk1	forkhead box K1	1421759_a_at	-1.22	0.0214	3290
Ccdc74a	coiled-coil domain containing 74A	1436106_x_at	-1.22	0.0254	3291
Nub1	negative regulator of ubiquitin-like proteins 1	1428439_at	1.22	0.0050	3292

Pabpc1l	poly(A) binding protein, cytoplasmic 1-like	1439913_at	1.22	0.0223	3293
Atp2a3	ATPase, Ca <sup>++</sup> transporting, ubiquitous	1421129_a_at	1.22	0.0004	3294
Dab1	disabled homolog 1 (Drosophila)	1435577_at	-1.22	0.0328	3295
Dgcr8	DiGeorge syndrome critical region gene 8	1422981_at	1.22	0.0471	3296
Mm.197126		1443219_at	-1.22	0.0489	3297
Tmeff1	transmembrane protein with EGF-like and two follistatin-like doma	1426649_at	-1.22	0.0225	3298
Baiap2	brain-specific angiogenesis inhibitor 1-associated protein 2	1435128_at	1.22	0.0195	3299
1444709_at		1444709_at	-1.22	0.0428	3300
Pou3f3	POU domain, class 3, transcription factor 3	1435197_at	-1.22	0.0290	3301
Cspp1	centrosome and spindle pole associated protein 1	1454989_at	-1.22	0.0099	3302
Pdpk1	3-phosphoinositide dependent protein kinase-1	1416501_at	1.22	0.0009	3303
Mlf1ip	myeloid leukemia factor 1 interacting protein	1452816_at	-1.22	0.0487	3304
1459210_at		1459210_at	1.22	0.0417	3305
Fam13b	family with sequence similarity 13, member B	1434620_s_at	-1.22	0.0084	3306
Bnip2	BCL2/adenovirus E1B interacting protein 2	1422490_at	1.22	0.0012	3307
Fam55d	family with sequence similarity 55, member D	1456111_at	1.22	0.0136	3308
1433319_at		1433319_at	-1.22	0.0206	3309
Mtmr3	myotubularin related protein 3	1427117_at	1.22	0.0211	3310
Syt7	synaptotagmin VII	1441927_at	1.22	0.0045	3311
Parp14	poly (ADP-ribose) polymerase family, member 14	1432548_at	1.22	0.0109	3312
Bex1	brain expressed gene 1	1448595_a_at	-1.22	0.0141	3313
Igfbp5	insulin-like growth factor binding protein 5	1422313_a_at	-1.22	0.0066	3314
1110003E01Rik	RIKEN cDNA 1110003E01 gene	1416768_at	1.22	0.0012	3315
Zfp160	zinc finger protein 160	1439073_at	1.22	0.0389	3316
Fzd5	frizzled homolog 5 (Drosophila)	1430809_at	-1.22	0.0137	3317
Npas1	neuronal PAS domain protein 1	1420801_at	1.22	0.0058	3318
Cks2	CDC28 protein kinase regulatory subunit 2	1417457_at	1.22	0.0176	3319

1423563_at		1423563_at	-1.22	0.0012	3320
Sept11	septin 11	1429234_s_at	1.22	0.0085	3321
Amotl1	angiomin-1-like 1	1428785_at	1.22	0.0087	3322
1424563_at		1424563_at	1.22	0.0028	3323
Timp3	tissue inhibitor of metalloproteinase 3	1419088_at	1.22	0.0466	3324
Dnase1l3	deoxyribonuclease 1-like 3	1421057_at	1.22	0.0016	3325
BB807463		1441754_at	-1.22	0.0109	3326
Rilpl1	Rab interacting lysosomal protein-like 1	1438438_at	1.22	0.0075	3327
Leprel2	leprecan-like 2	1449531_at	1.22	0.0344	3328
Diap1	diaphanous homolog 1 (Drosophila)	1421143_at	-1.22	0.0127	3329
Pkia	protein kinase inhibitor, alpha	1420858_at	1.22	0.0094	3330
Ccl17	chemokine (C-C motif) ligand 17	1419413_at	1.22	0.0252	3331
Cmtm7	CKLF-like MARVEL transmembrane domain containing 7	1460253_at	1.22	0.0180	3332
BB337886		1440807_at	1.22	0.0356	3333
Ckap4	cytoskeleton-associated protein 4	1455019_x_at	1.22	0.0322	3334
Atp2c1	ATPase, Ca <sup>++</sup> -sequestering	1437738_at	-1.22	1.20E-05	3335
Fbxw17	F-box and WD-40 domain protein 17	1434991_at	-1.22	0.0474	3336
1419355_at		1419355_at	1.22	0.0124	3337
Clstn2	calsyntenin 2	1441165_s_at	1.22	0.0106	3338
Mm.226989		1440516_at	-1.22	0.0269	3339
1429435_x_at		1429435_x_at	1.22	0.0214	3340
Skap2	src family associated phosphoprotein 2	1418895_at	1.22	0.0430	3341
St6galnac5	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminyl-6-sulfatase	1449468_at	-1.22	0.0040	3342
1426420_at		1426420_at	1.22	0.0305	3343
Fam57b	family with sequence similarity 57, member B	1452806_at	-1.22	0.0224	3344
Trim59	tripartite motif-containing 59	1431430_s_at	-1.22	0.0257	3345
Pik3cb	phosphatidylinositol 3-kinase, catalytic, beta polypeptide	1445731_at	-1.22	0.0499	3346

1434953_at		1434953_at	-1.22	0.0109	3347
1436925_at		1436925_at	-1.22	0.0007	3348
BB431279		1446350_at	-1.22	0.0305	3349
Bzrap1	benzodiazapine receptor associated protein 1	1455771_at	1.22	0.0049	3350
BB435965		1447906_at	-1.22	0.0411	3351
Serac1	serine active site containing 1	1440936_at	-1.22	0.0283	3352
1437776_at		1437776_at	1.22	0.0253	3353
Gprc5b	G protein-coupled receptor, family C, group 5, member B	1451411_at	1.22	0.0012	3354
Arntl	aryl hydrocarbon receptor nuclear translocator-like	1425099_a_at	-1.21	0.0256	3355
Dpm1	dolichol-phosphate (beta-D) mannosyltransferase 1	1419353_at	1.22	0.0071	3356
Ncald	neurocalcin delta	1417569_at	-1.21	0.0086	3357
C530014P21Rik	RIKEN cDNA C530014P21 gene	1441577_at	-1.21	0.0145	3358
1421096_at		1421096_at	-1.21	0.0020	3359
Gsdma2	gasdermin A2	1432141_x_at	1.21	0.0123	3360
Ebf2	early B-cell factor 2	1418494_at	-1.21	0.0275	3361
Fam100b	family with sequence similarity 100, member B	1436747_at	-1.21	0.0348	3362
Zfp407	zinc finger protein 407	1458094_at	1.21	0.0022	3363
Ssbp2	single-stranded DNA binding protein 2	1449815_a_at	-1.21	0.0003	3364
1459895_at		1459895_at	-1.21	0.0359	3365
Gatad1	GATA zinc finger domain containing 1	1425599_a_at	1.21	0.0098	3366
C030044B11Rik	RIKEN cDNA C030044B11 gene	1429264_at	-1.21	0.0044	3367
Slc38a10	solute carrier family 38, member 10	1427294_a_at	1.21	0.0086	3368
1454090_at		1454090_at	1.21	0.0277	3369
1419499_at		1419499_at	1.21	0.0174	3370
Jph4	junctionophilin 4	1439031_at	-1.21	0.0343	3371
Zfhx3	zinc finger homeobox 3	1449947_s_at	1.21	0.0045	3372
Gpr64	G protein-coupled receptor 64	1438350_at	1.21	0.0393	3373

Lamp2	lysosomal-associated membrane protein 2	1428094_at	1.21	0.0022	3374
Mpg	N-methylpurine-DNA glycosylase	1417571_at	-1.21	0.0021	3375
Kras	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	1434000_at	1.21	0.0005	3376
Cd200	CD200 antigen	1448788_at	1.21	0.0034	3377
Ascl1	achaete-scute complex homolog 1 (Drosophila)	1450164_at	-1.21	0.0273	3378
Nfxl1	nuclear transcription factor, X-box binding-like 1	1417145_at	-1.21	0.0139	3379
Scn2b	sodium channel, voltage-gated, type II, beta	1430648_at	-1.21	0.0083	3380
Bmp5	bone morphogenetic protein 5	1421283_at	1.21	0.0310	3381
Atg12	autophagy-related 12 (yeast)	1451746_a_at	1.21	0.0108	3382
Hr	hairless	1435950_at	1.21	0.0460	3383
Ppp1r7	protein phosphatase 1, regulatory (inhibitor) subunit 7	1448888_at	-1.21	4.90E-05	3384
Habp4	hyaluronic acid binding protein 4	1418927_a_at	1.21	0.0178	3385
Peg3	paternally expressed 3	1433924_at	1.21	0.0369	3386
BM198618		1446736_at	1.21	0.0212	3387
Klf6	Kruppel-like factor 6	1427742_a_at	1.21	0.0002	3388
0610011F06Rik	RIKEN cDNA 0610011F06 gene	1431126_a_at	-1.21	0.0478	3389
Trim35	tripartite motif-containing 35	1425621_at	1.21	0.0245	3390
1444355_at		1444355_at	1.21	0.0197	3391
4931406P16Rik	RIKEN cDNA 4931406P16 gene	1433994_at	1.21	0.0348	3392
Gng12	guanine nucleotide binding protein (G protein), gamma 12	1455089_at	-1.21	0.0030	3393
6430514M23Rik	RIKEN cDNA 6430514M23 gene	1436492_x_at	1.21	0.0483	3394
Hn1	hematological and neurological expressed sequence 1	1448180_a_at	1.21	0.0194	3395
Ube3a	ubiquitin protein ligase E3A	1416681_at	1.21	0.0142	3396
1430610_at		1430610_at	1.21	0.0234	3397
Npdc1	neural proliferation, differentiation and control gene 1	1415919_at	1.21	8.10E-05	3398
Socs5	suppressor of cytokine signaling 5	1423350_at	1.21	2.50E-05	3399
Rfc1	replication factor C (activator 1) 1	1418342_at	-1.21	0.0224	3400

1459889_at		1459889_at	1.21	0.0009	3401
Prrx2	paired related homeobox 2	1432331_a_at	1.21	0.0125	3402
Gria4	glutamate receptor, ionotropic, AMPA4 (alpha 4)	1458230_at	-1.21	0.0477	3403
Slco5a1	solute carrier organic anion transporter family, member 5A1	1439588_at	1.21	0.0190	3404
1435399_at		1435399_at	1.21	0.0032	3405
Rab6b	RAB6B, member RAS oncogene family	1455924_at	1.21	0.0291	3406
2810416G20Rik	RIKEN cDNA 2810416G20 gene	1431220_at	-1.21	0.0494	3407
Rpap2	RNA polymerase II associated protein 2	1443182_at	-1.21	0.0122	3408
Tm9sf3	transmembrane 9 superfamily member 3	1460186_at	1.21	0.0091	3409
Wfs1	Wolfram syndrome 1 homolog (human)	1448411_at	-1.21	0.0129	3410
Mm.384054		1435144_at	1.21	0.0483	3411
Ano6	anoctamin 6	1430940_at	-1.21	0.0040	3412
Fndc3b	fibronectin type III domain containing 3B	1433833_at	1.21	0.0026	3413
Mpzl1	myelin protein zero-like 1	1428167_a_at	-1.21	0.0432	3414
A230067G21Rik	RIKEN cDNA A230067G21 gene	1443095_at	-1.21	0.0305	3415
Laptm4b	lysosomal-associated protein transmembrane 4B	1436915_x_at	-1.21	0.0081	3416
Klf9	Kruppel-like factor 9	1456341_a_at	1.21	0.0001	3417
Psmg2	proteasome (prosome, macropain) assembly chaperone 2	1448212_at	-1.21	0.0043	3418
Ggt6	gamma-glutamyltransferase 6	1453587_at	-1.21	0.0276	3419
Thap1	THAP domain containing, apoptosis associated protein 1	1429282_at	1.21	0.0020	3420
Usp48	ubiquitin specific peptidase 48	1419278_at	1.21	0.0035	3421
Nol8	nucleolar protein 8	1428950_s_at	-1.21	0.0439	3422
Cdkn2aipnl	CDKN2A interacting protein N-terminal like	1440715_s_at	-1.21	0.0428	3423
She	src homology 2 domain-containing transforming protein E	1457094_at	1.21	0.0075	3424
Rg9mtd2	RNA (guanine-9-) methyltransferase domain containing 2	1435035_at	1.21	0.0152	3425
1459875_x_at		1459875_x_at	-1.21	0.0075	3426
A2ld1	AIG2-like domain 1	1451562_at	-1.21	0.0121	3427

C730029A08Rik	RIKEN cDNA C730029A08 gene	1436169_at	1.21	0.0005	3428
BQ175263		1434536_at	-1.21	0.0431	3429
Svip	small VCP/p97-interacting protein	1429146_at	-1.21	0.0151	3430
Ifi2711	interferon, alpha-inducible protein 27 like 1	1452956_a_at	1.21	0.0259	3431
Sox5	SRY-box containing gene 5	1432189_a_at	-1.21	0.0223	3432
Kcnn2	potassium intermediate/small conductance calcium-activated char	1448927_at	1.21	4.40E-05	3433
1456344_at		1456344_at	-1.21	0.0258	3434
Gm9925	predicted gene 9925	1446217_at	1.21	0.0477	3435
4933404O12Rik	RIKEN cDNA 4933404O12 gene	1435827_at	-1.21	0.0166	3436
Fam5c	family with sequence similarity 5, member C	1434993_at	-1.21	0.0280	3437
Cyb5r3	cytochrome b5 reductase 3	1422185_a_at	1.21	0.0228	3438
Dnajb4	DnaJ (Hsp40) homolog, subfamily B, member 4	1451177_at	1.21	0.0031	3439
Dixdc1	DIX domain containing 1	1443957_at	1.21	0.0120	3440
Kdelc2	KDEL (Lys-Asp-Glu-Leu) containing 2	1453071_s_at	-1.21	0.0317	3441
Usp42	ubiquitin specific peptidase 42	1434782_at	1.21	0.0106	3442
Atp6v1g1	ATPase, H <sup>+</sup> transporting, lysosomal V1 subunit G1	1423256_a_at	1.21	4.50E-06	3443
Slc2a10	solute carrier family 2 (facilitated glucose transporter), member 10	1419434_at	1.21	0.0455	3444
1436042_at		1436042_at	1.21	0.0145	3445
3830417A13Rik	RIKEN cDNA 3830417A13 gene	1430162_at	1.21	0.0251	3446
Neb	nebulin	1435355_at	1.21	0.0055	3447
Ahsa2	AHA1, activator of heat shock protein ATPase homolog 2 (yeast)	1435160_at	-1.21	0.0021	3448
BC023882	cDNA sequence BC023882	1423919_at	1.21	0.0098	3449
Hdlbp	high density lipoprotein (HDL) binding protein	1415987_at	1.21	0.0239	3450
Kcnd2	potassium voltage-gated channel, Shal-related family, member 2	1422835_at	-1.21	0.0094	3451
Pvrl1	poliovirus receptor-related 1	1438421_at	1.21	0.0083	3452
1455257_at		1455257_at	-1.21	0.0114	3453
Zfp521	zinc finger protein 521	1442709_at	1.21	0.0421	3454



Csf2ra	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyt	1420703_at	-1.21	0.0034	3455
AW551984	expressed sequence AW551984	1433435_at	1.21	0.0234	3456
Mm.445823		1443107_at	-1.21	0.0145	3457
Med1	mediator complex subunit 1	1450402_at	1.21	0.0220	3458
Cryl1	crystallin, lambda 1	1447112_s_at	-1.21	0.0029	3459
Trim27	tripartite motif-containing 27	1457051_at	-1.21	0.0012	3460
Mib1	mindbomb homolog 1 (Drosophila)	1451818_at	1.21	0.0261	3461
Aifm1	apoptosis-inducing factor, mitochondrion-associated 1	1418127_a_at	-1.21	0.0001	3462
AI592278		1444588_at	-1.21	0.0110	3463
AV024133		1436785_a_at	-1.21	0.0006	3464
Fam107a	family with sequence similarity 107, member A	1434203_at	1.21	0.0041	3465
1441417_at		1441417_at	1.21	0.0081	3466
BG075658		1445002_at	-1.21	0.0107	3467
Tbc1d20	TBC1 domain family, member 20	1426644_at	-1.21	0.0155	3468
Creld2	cysteine-rich with EGF-like domains 2	1452754_at	1.21	0.0037	3469
Atp1b2	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 2 polypeptide	1422009_at	1.21	0.0269	3470
Slc9a6	solute carrier family 9 (sodium/hydrogen exchanger), member 6	1435009_at	1.21	0.0445	3471
1426684_at		1426684_at	1.21	0.0124	3472
Dctpp1	dCTP pyrophosphatase 1	1416439_at	1.21	0.0066	3473
AV158652		1445708_x_at	-1.21	0.0097	3474
Agbl4	ATP/GTP binding protein-like 4	1454259_s_at	-1.21	0.0097	3475
BC005624	cDNA sequence BC005624	1423789_at	1.21	0.0026	3476
Pde9a	phosphodiesterase 9A	1449403_at	1.21	0.0357	3477
Sp4	trans-acting transcription factor 4	1437508_at	1.21	0.0333	3478
Tmc7	transmembrane channel-like gene family 7	1456981_at	-1.21	0.0260	3479
Pam	peptidylglycine alpha-amidating monooxygenase	1418908_at	-1.21	0.0162	3480
Mm.348254		1441270_at	-1.21	0.0148	3481

Tnpo1	transportin 1	1455043_at	1.21	0.0053	3482
Ppapdc1b	phosphatidic acid phosphatase type 2 domain containing 1B	1457630_at	1.21	0.0403	3483
Ppat	phosphoribosyl pyrophosphate amidotransferase	1452831_s_at	-1.21	0.0291	3484
Atp8a1	ATPase, aminophospholipid transporter (APLT), class I, type 8A, m	1433965_at	1.21	0.0244	3485
Kcnn1	potassium intermediate/small conductance calcium-activated char	1419617_at	1.21	0.0094	3486
Mm.100995		1439011_at	-1.21	0.0194	3487
Efs	embryonal Fyn-associated substrate	1438114_x_at	-1.21	0.0393	3488
1428803_at		1428803_at	-1.21	0.0259	3489
Acly	ATP citrate lyase	1451666_at	1.21	0.0351	3490
Tor1b	torsin family 1, member B	1417819_at	-1.21	0.0089	3491
Theg	testicular haploid expressed gene	1425244_a_at	1.21	0.0051	3492
Agt	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	1423396_at	1.21	0.0418	3493
Ythdf3	YTH domain family 3	1445235_at	1.21	0.0341	3494
Mm.445147		1445342_at	1.21	0.0236	3495
Nfatc2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-depen	1440426_at	1.21	0.0270	3496
Hdac9	histone deacetylase 9	1434572_at	-1.21	0.0372	3497
Shisa2	shisa homolog 2 ( <i>Xenopus laevis</i> )	1423851_a_at	-1.21	0.0420	3498
Cab39	calcium binding protein 39	1418432_at	1.21	0.0419	3499
Gpx1	glutathione peroxidase 1	1460671_at	1.21	0.0092	3500
Egln3	EGL nine homolog 3 ( <i>C. elegans</i> )	1425918_at	-1.21	0.0279	3501
Eif4a1	eukaryotic translation initiation factor 4A1	1430980_a_at	1.21	0.0175	3502
Lrrc48	leucine rich repeat containing 48	1424340_at	1.21	0.0304	3503
Cldn12	claudin 12	1433781_a_at	1.21	0.0151	3504
Tnfrsf21	tumor necrosis factor receptor superfamily, member 21	1450731_s_at	-1.21	0.0226	3505
Cep152	centrosomal protein 152	1427496_at	-1.21	0.0198	3506
Car7	carbonic anhydrase 7	1443824_s_at	-1.21	0.0107	3507
Fkbp11	FK506 binding protein 11	1417267_s_at	1.21	0.0241	3508

Ccnh	cyclin H	1418585_at	-1.21	0.0033	3509
Cyb5r3	cytochrome b5 reductase 3	1425329_a_at	1.21	0.0104	3510
Gcnt2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	1451733_at	-1.21	0.0057	3511
Mm.381770		1430630_at	1.21	0.0252	3512
Ear3	eosinophil-associated, ribonuclease A family, member 3	1422411_s_at	1.21	0.0084	3513
Tstd1	thiosulfate sulfurtransferase (rhodanese)-like domain containing 1	1456169_at	-1.21	0.0119	3514
E030031F02Rik	RIKEN cDNA E030031F02 gene	1444673_at	-1.21	0.0147	3515
Reep3	receptor accessory protein 3	1424778_at	1.21	0.0279	3516
1431340_a_at		1431340_a_at	1.21	0.0297	3517
BG069024		1446801_at	1.21	0.0339	3518
Cd180	CD180 antigen	1446259_at	-1.21	0.0164	3519
Arih1	ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1	1439165_at	1.21	0.0495	3520
Sec1	secretory blood group 1	1423009_at	-1.21	0.0107	3521
4930452B06Rik	RIKEN cDNA 4930452B06 gene	1438228_at	-1.21	0.0218	3522
1700037H04Rik	RIKEN cDNA 1700037H04 gene	1460262_a_at	1.21	0.0013	3523
Ppfbp1	PTPRF interacting protein, binding protein 1 (liprin beta 1)	1452759_s_at	-1.21	0.0096	3524
D630004N19Rik	RIKEN cDNA D630004N19 gene	1442016_at	-1.21	0.0156	3525
1424390_at		1424390_at	1.21	0.0246	3526
Htt	huntingtin	1425969_a_at	1.21	0.0202	3527
Yif1b	Yip1 interacting factor homolog B (S. cerevisiae)	1428445_at	1.21	0.0023	3528
Rnf157	ring finger protein 157	1454953_at	1.21	0.0067	3529
Snopc2	small nuclear RNA activating complex, polypeptide 2	1436703_x_at	1.21	0.0011	3530
Kifc2	kinesin family member C2	1426493_a_at	-1.21	0.0131	3531
Dab2ip	disabled homolog 2 (Drosophila) interacting protein	1433558_at	1.21	0.0407	3532
Esco1	establishment of cohesion 1 homolog 1 (S. cerevisiae)	1424324_at	1.21	0.0351	3533
Kalrn	kalirin, RhoGEF kinase	1457690_at	-1.21	0.0467	3534
AI836003	expressed sequence AI836003	1435512_at	1.21	0.0048	3535

Ttc39b	tetratricopeptide repeat domain 39B	1452008_at	1.21	0.0277	3536
Dact3	dapper homolog 3, antagonist of beta-catenin (xenopus)	1443805_at	1.21	0.0461	3537
Slco1c1	solute carrier organic anion transporter family, member 1c1	1423343_at	-1.21	0.0023	3538
Phlpp1	PH domain and leucine rich repeat protein phosphatase 1	1426994_at	-1.21	6.00E-05	3539
Ppa2	pyrophosphatase (inorganic) 2	1437573_at	-1.21	0.0150	3540
Gria4	glutamate receptor, ionotropic, AMPA4 (alpha 4)	1435722_at	-1.21	0.0013	3541
Bcl11b	B-cell leukemia/lymphoma 11B	1435227_at	-1.21	0.0063	3542
Smg7	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegar	1455574_at	1.21	0.0080	3543
Fhod3	formin homology 2 domain containing 3	1435551_at	1.21	0.0366	3544
Brp44	brain protein 44	1423833_a_at	-1.21	0.0059	3545
Zdhhc20	zinc finger, DHHC domain containing 20	1451437_at	1.21	0.0091	3546
Usp47	ubiquitin specific peptidase 47	1426976_at	1.21	0.0064	3547
Rbm22	RNA binding motif protein 22	1452675_at	-1.21	0.0047	3548
Tapbp	TAP binding protein	1450378_at	1.21	0.0102	3549
Clip3	CAP-GLY domain containing linker protein 3	1430543_at	1.21	0.0008	3550
Wdfy2	WD repeat and FYVE domain containing 2	1434517_at	1.21	0.0026	3551
Dcbld1	discoidin, CUB and LCCL domain containing 1	1449291_a_at	-1.20	0.0329	3552
2010005J08Rik	RIKEN cDNA 2010005J08 gene	1433499_at	1.20	0.0381	3553
Phf20	PHD finger protein 20	1452259_at	-1.20	0.0199	3554
Pias2	protein inhibitor of activated STAT 2	1419454_x_at	1.20	0.0389	3555
Lman2l	lectin, mannose-binding 2-like	1435475_at	1.20	0.0495	3556
Col24a1	collagen, type XXIV, alpha 1	1447093_at	-1.20	0.0018	3557
Nxn	nucleoredoxin	1422466_at	1.20	0.0019	3558
B3galnt1	UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, poly	1418736_at	-1.20	0.0078	3559
C330007P06Rik	RIKEN cDNA C330007P06 gene	1429895_at	1.20	0.0388	3560
C230066G23Rik	RIKEN cDNA C230066G23 gene	1444340_at	-1.20	0.0176	3561
Dck	deoxycytidine kinase	1449176_a_at	-1.20	0.0452	3562

D930009K15Rik	RIKEN cDNA D930009K15 gene	1435348_at	-1.20	0.0228	3563
Elov16	ELOVL family member 6, elongation of long chain fatty acids (yeas	1445062_at	1.20	0.0118	3564
Chmp1b	chromatin modifying protein 1B	1418816_at	1.20	0.0067	3565
Cpt2	carnitine palmitoyltransferase 2	1416772_at	1.20	0.0249	3566
Incenp	inner centromere protein	1439436_x_at	1.20	0.0085	3567
Cmb1	carboxymethylenebutenolidase-like (Pseudomonas)	1451322_at	-1.20	0.0109	3568
Zbtb17	zinc finger and BTB domain containing 17	1416224_at	1.20	0.0003	3569
Crispld2	cysteine-rich secretory protein LCCL domain containing 2	1460458_at	1.20	0.0337	3570
Pdgfrl	platelet-derived growth factor receptor-like	1428896_at	1.20	0.0411	3571
L2hgdh	L-2-hydroxyglutarate dehydrogenase	1424858_at	-1.20	0.0300	3572
C030015D19Rik	RIKEN cDNA C030015D19 gene	1459290_at	1.20	0.0284	3573
8030411F24Rik	RIKEN cDNA 8030411F24 gene	1451712_at	1.20	0.0473	3574
Rit2	Ras-like without CAAX 2	1448125_at	-1.20	0.0426	3575
Mm.383899		1443038_at	1.20	0.0330	3576
1451723_at		1451723_at	1.20	0.0243	3577
Sec14l1	SEC14-like 1 (S. cerevisiae)	1453412_a_at	-1.20	0.0165	3578
Prim2	DNA primase, p58 subunit	1418036_at	1.20	0.0094	3579
1458177_at		1458177_at	-1.20	0.0316	3580
Rragc	Ras-related GTP binding C	1415749_a_at	1.20	0.0060	3581
Fem1c	fem-1 homolog c (C.elegans)	1438075_at	1.20	0.0034	3582
Fbxo34	F-box protein 34	1431811_a_at	-1.20	0.0004	3583
Aga	aspartylglucosaminidase	1434665_at	1.20	0.0262	3584
1443117_at		1443117_at	-1.20	0.0190	3585
Phka2	phosphorylase kinase alpha 2	1434518_at	1.20	0.0312	3586
Fbn2	fibrillin 2	1454830_at	-1.20	0.0102	3587
Mcf2l	mcf.2 transforming sequence-like	1434140_at	-1.20	0.0200	3588
C730029A08Rik	RIKEN cDNA C730029A08 gene	1436168_at	1.20	0.0013	3589

1445186_at		1445186_at	-1.20	0.0030	3590
1421043_s_at		1421043_s_at	1.20	0.0229	3591
1433180_at		1433180_at	-1.20	0.0105	3592
Setd8	SET domain containing (lysine methyltransferase) 8	1426406_at	1.20	0.0472	3593
Itih5	inter-alpha (globulin) inhibitor H5	1429159_at	1.20	0.0452	3594
Yipf4	Yip1 domain family, member 4	1450418_a_at	-1.20	0.0219	3595
Ccnh	cyclin H	1456293_s_at	-1.20	0.0002	3596
1418877_at		1418877_at	1.20	0.0052	3597
Sox4	SRY-box containing gene 4	1419157_at	1.20	0.0349	3598
Map3k12	mitogen-activated protein kinase kinase kinase 12	1417115_at	-1.20	0.0221	3599
Grip1	glutamate receptor interacting protein 1	1421350_a_at	-1.20	0.0287	3600
C230085N15Rik	RIKEN cDNA C230085N15 gene	1438125_at	-1.20	0.0259	3601
Lmtk2	lemur tyrosine kinase 2	1455018_at	1.20	0.0014	3602
Rangap1	RAN GTPase activating protein 1	1451092_a_at	1.20	0.0157	3603
Hipk2	homeodomain interacting protein kinase 2	1424863_a_at	-1.20	0.0003	3604
Ush2a	Usher syndrome 2A (autosomal recessive, mild) homolog (human)	1445972_at	1.20	0.0216	3605
Rrm2b	ribonucleotide reductase M2 B (TP53 inducible)	1437476_at	-1.20	0.0422	3606
Tm6sf2	transmembrane 6 superfamily member 2	1425079_at	1.20	0.0345	3607
Mthfd1l	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	1456653_a_at	-1.20	0.0427	3608
Cep192	centrosomal protein 192	1428727_at	-1.20	0.0286	3609
Slc35f5	solute carrier family 35, member F5	1452059_at	-1.20	0.0061	3610
Srgap3	SLIT-ROBO Rho GTPase activating protein 3	1425741_at	1.20	0.0398	3611
Yes1	Yamaguchi sarcoma viral (v-yes) oncogene homolog 1	1449090_a_at	-1.20	0.0053	3612
1459568_at		1459568_at	-1.20	0.0254	3613
Brcc3	BRCA1/BRCA2-containing complex, subunit 3	1437553_at	1.20	0.0039	3614
Satb1	special AT-rich sequence binding protein 1	1416007_at	-1.20	0.0249	3615
Ctsd	cathepsin D	1448118_a_at	1.20	0.0317	3616

AI662168	expressed sequence AI662168	1447389_at	-1.20	0.0350	3617
Ift80	intraflagellar transport 80 homolog (Chlamydomonas)	1428329_a_at	-1.20	0.0096	3618
1446244_at		1446244_at	-1.20	0.0005	3619
Gabpa	GA repeat binding protein, alpha	1450665_at	1.20	0.0260	3620
Reps2	RALBP1 associated Eps domain containing protein 2	1435389_at	-1.20	0.0017	3621
Pygb	brain glycogen phosphorylase	1445397_at	-1.20	0.0145	3622
Aox1	aldehyde oxidase 1	1419435_at	1.20	0.0017	3623
Nos3	nitric oxide synthase 3, endothelial cell	1422622_at	1.20	0.0229	3624
1435942_at		1435942_at	1.20	0.0316	3625
Cep68	centrosomal protein 68	1456325_at	-1.20	0.0138	3626
Rfx3	regulatory factor X, 3 (influences HLA class II expression)	1425413_at	-1.20	0.0176	3627
Rfc2	replication factor C (activator 1) 2	1457669_x_at	-1.20	0.0114	3628
2310076G13Rik	RIKEN cDNA 2310076G13 gene	1429505_at	1.20	0.0219	3629
1437933_at		1437933_at	-1.20	0.0228	3630
1430034_at		1430034_at	1.20	0.0208	3631
Gon4l	gon-4-like (C.elegans)	1431314_a_at	1.20	0.0107	3632
3222401L13Rik	RIKEN cDNA 3222401L13 gene	1458446_at	1.20	0.0312	3633
Gjb3	gap junction protein, beta 3	1416715_at	-1.20	0.0178	3634
Dnaja4	DnaJ (Hsp40) homolog, subfamily A, member 4	1434196_at	1.20	0.0018	3635
AI747699	expressed sequence AI747699	1433914_at	1.20	0.0008	3636
Tcf15	transcription factor 15	1449592_at	-1.20	0.0148	3637
Fam102a	family with sequence similarity 102, member A	1426893_at	-1.20	0.0345	3638
Ubap2l	ubiquitin associated protein 2-like	1454643_at	1.20	0.0479	3639
1423131_at		1423131_at	-1.20	0.0136	3640
Mapk6	mitogen-activated protein kinase 6	1419168_at	1.20	0.0116	3641
Pacs2	phosphofurin acidic cluster sorting protein 2	1426963_at	-1.20	0.0008	3642
Pgap3	post-GPI attachment to proteins 3	1440613_at	1.20	0.0225	3643

Ebag9	estrogen receptor-binding fragment-associated gene 9	1422669_at	-1.20	0.0104	3644
1436257_at		1436257_at	1.20	0.0069	3645

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