

Supplementary Figure Legends

Supplementary Figure 1. WT and cDKO representative splenic T cell gating used to identify subpopulations within peripheral T cells. **(A)** Total T cells were identified as CD3 ϵ ⁺ GFP^{+/-} and then were further identified as **(B)** CD8 α ⁺ and **(C)** CD4⁺ T cells. **(D)** CD4⁺ T cells were further subdivided into CD4⁺ CD25⁻ T_{Conv} and CD4⁺ CD25⁺ T_{Reg} cells.

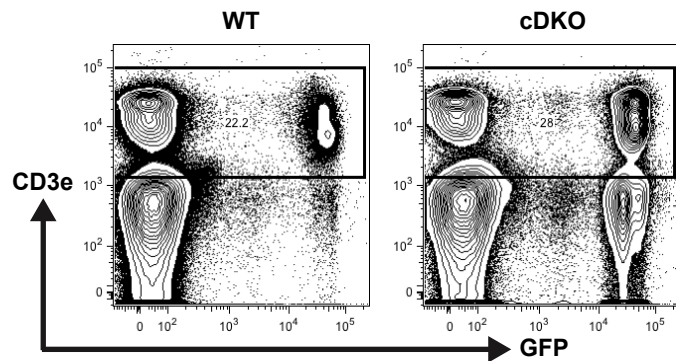
Supplementary Figure 2. WT and cDKO representative gating used to identify thymocyte subpopulations. **(A)** Using CD8 α and CD4 staining, thymocytes were subdivided into double negative (CD8 α ⁻ CD4⁻), double positive (CD8 α ⁺ CD4⁺) and single positive (CD8 α ⁺ CD4⁻ and CD8 α ⁻ CD4⁺) populations. **(B)** T_{Regs} and their precursors were identified within the CD4 single positive population as CD4⁺ CD25⁺. **(C-E)** Representative gating of GFP^{+/-} cells within the **(C)** CD8 α ⁺ CD4⁻, **(D)** CD8 α ⁻ CD4⁺ CD25⁻ and **(E)** CD8 α ⁻ CD4⁺ CD25⁺ populations. Quantification of the **(F)** percentage of GFP⁺, **(G)** total numbers of GFP⁺ and **(H)** and total numbers of GFP⁻ cells within the above-mentioned T cell subsets. **(F-H)** Number of animals per group: WT = 4, cDKO = 4. Student's t-Test: * p ≤ 0.05

Supplementary Figure 3. Representative *Cd8a*, *Cd4* and *Foxp3* UCSC genome browser tracks from WT and cDKO T cell subsets. **(A)** *Cd8a*, **(B)** *Cd4* and **(C)** *Foxp3* UCSC genome browser tracks for WT and cDKO CD8 α ⁺, T_{Conv} and T_{Reg} cells.

Supplementary Figure 1

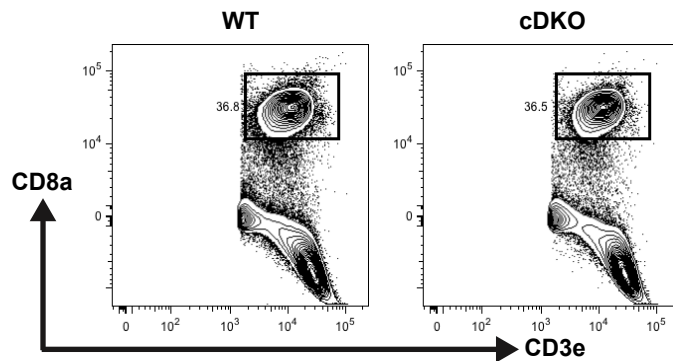
A

Gated on DAPI⁻ Live Cells:



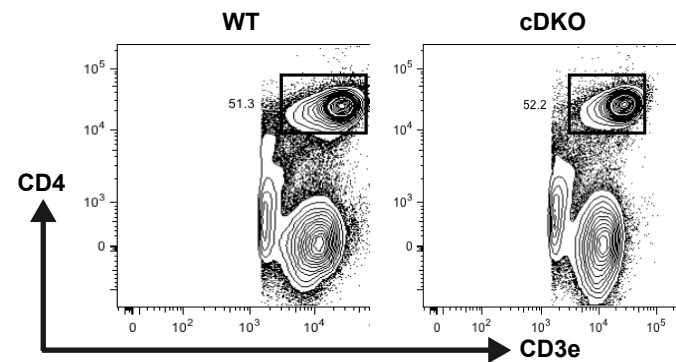
B

Gated on CD3e⁺ GFP^{+/-}:



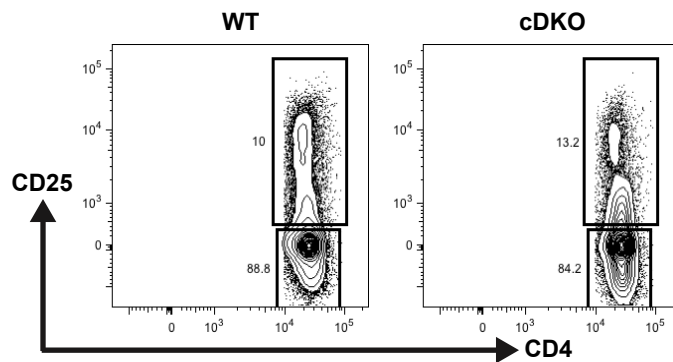
C

Gated on CD3e⁺ GFP^{+/-}:



D

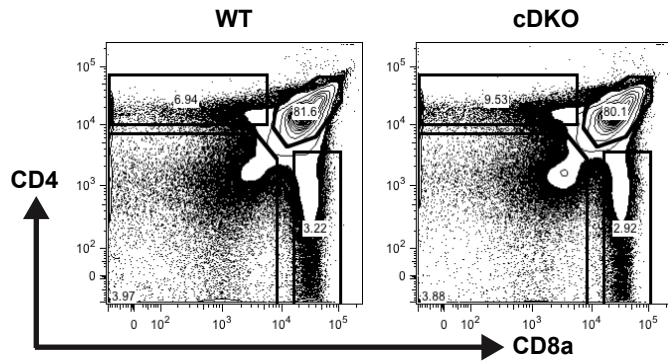
Gated on CD3e⁺ CD4⁺:



Supplementary Figure 2

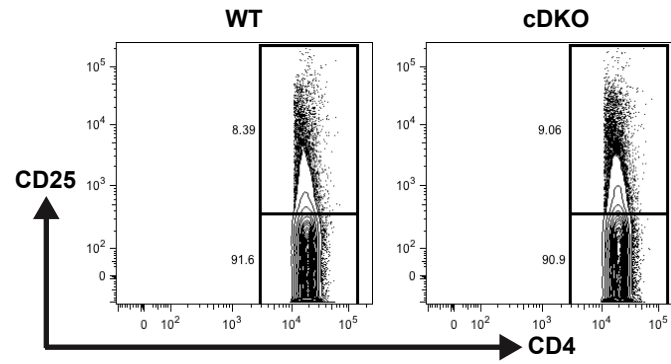
A

Gated on DAPI⁻ Live Cells:



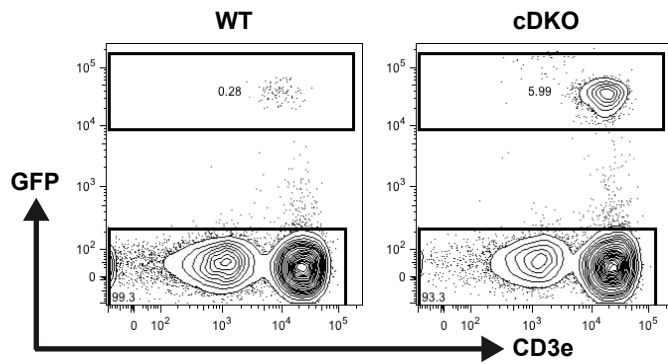
B

Gated on CD8a⁻ CD4⁺:



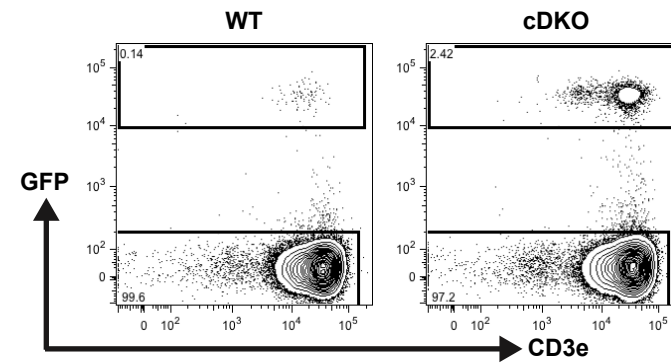
C

Gated on CD8a⁺ CD4⁻:



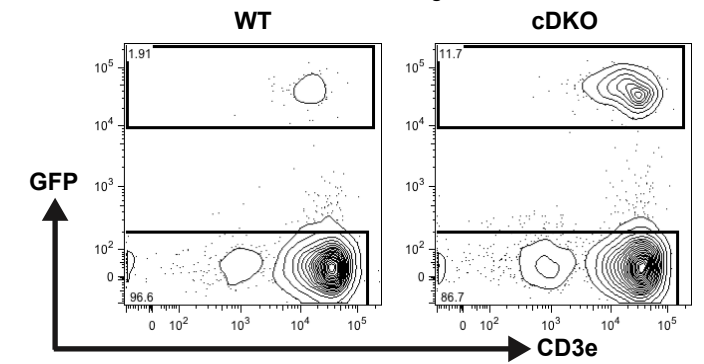
D

Gated on CD8a⁻ CD4⁺ CD25⁻ (T_{Conv}):



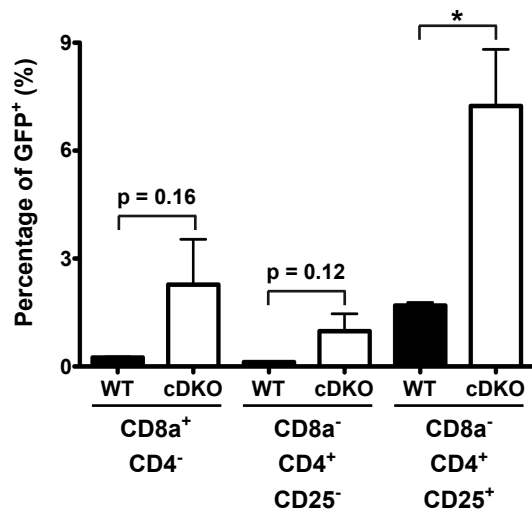
E

Gated on CD8a⁻ CD4⁺ CD25⁺ (T_{Reg} and Precursors):



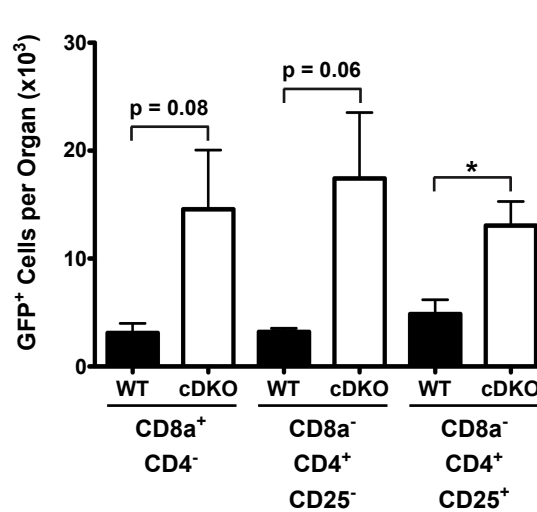
F

Percentage of GFP⁺



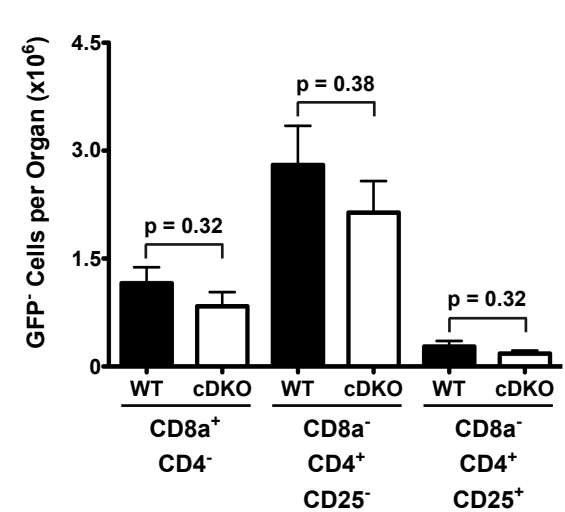
G

GFP⁺ Cells



H

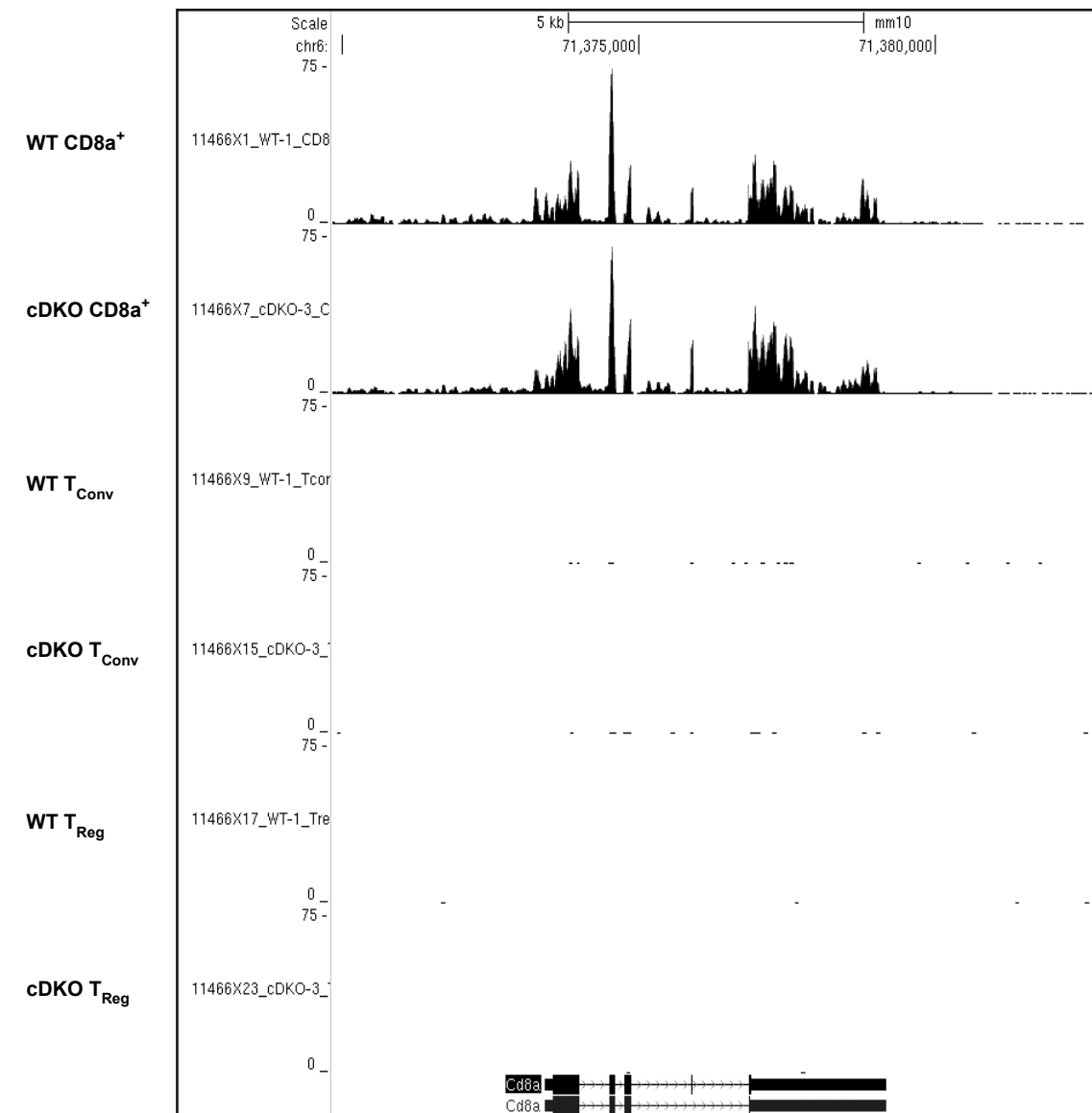
GFP⁻ Cells



Supplementary Figure 3

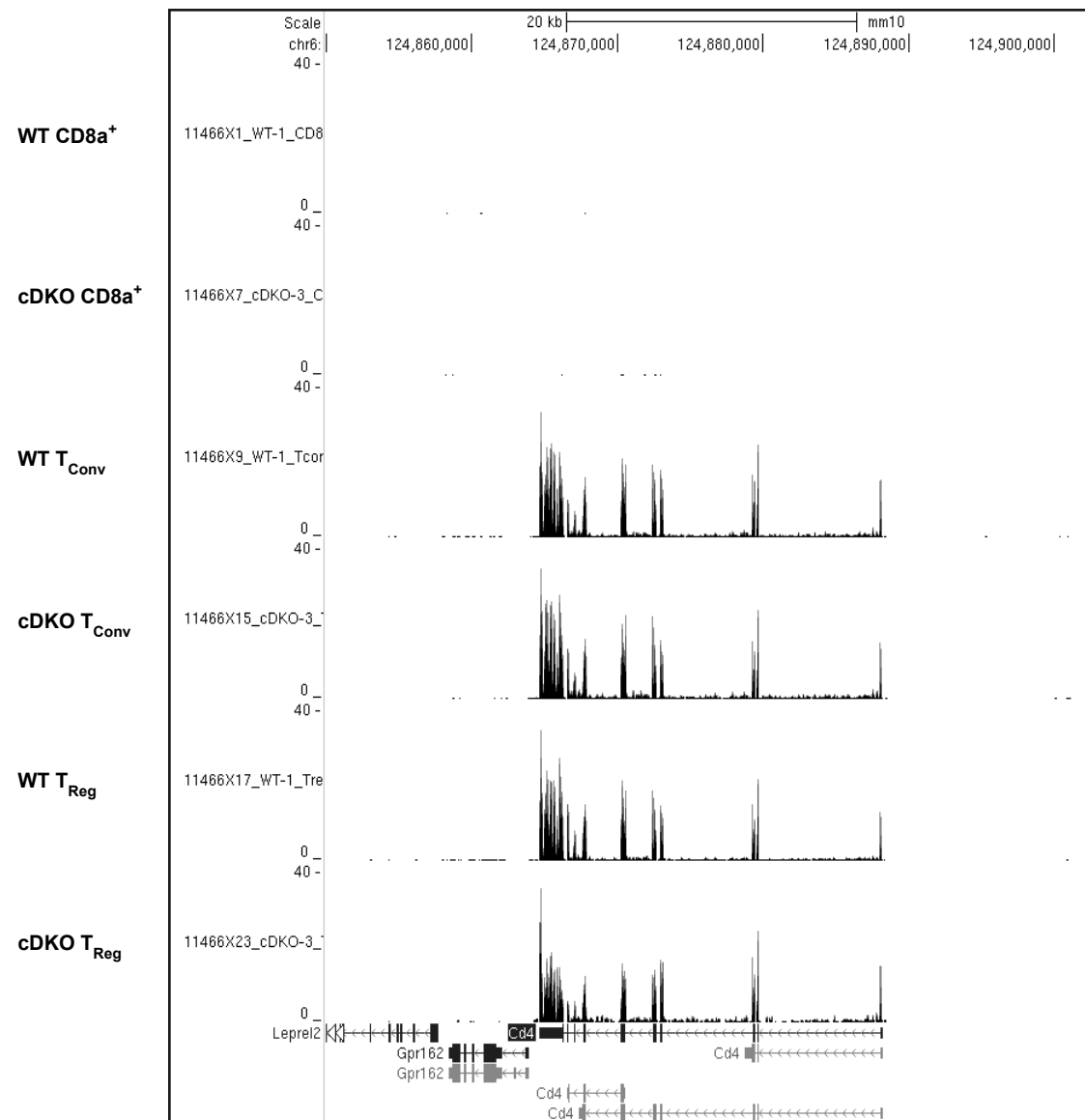
A

***Cd8a* UCSC Genome Browser**



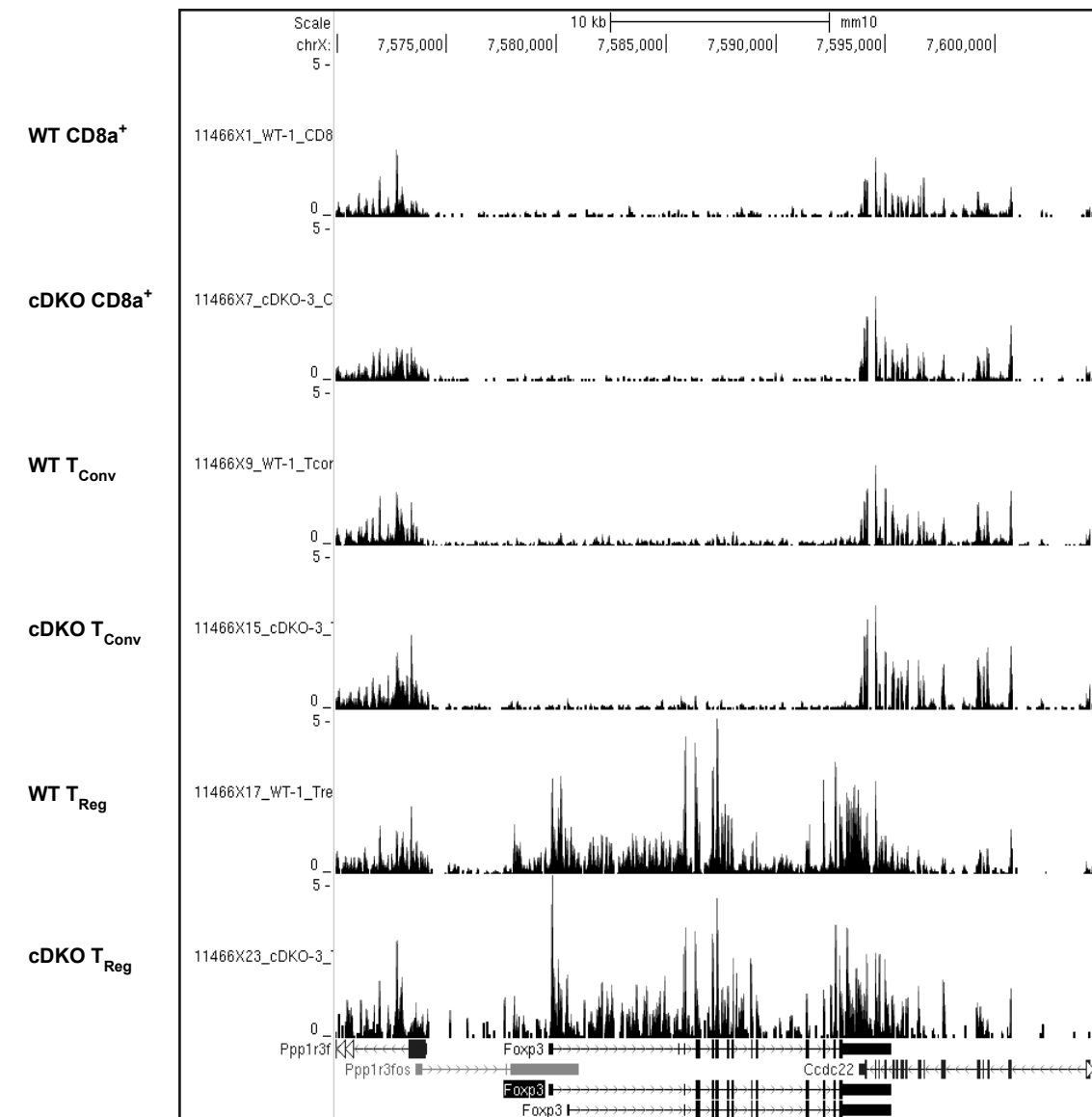
B

***Cd4* UCSC Genome Browser**



C

***Foxp3* UCSC Genome Browser**



Gene Target	Forward Primer (5' => 3')	Reverse Primer (5' => 3')	Amplicon (basepairs)
<i>Snai2</i> WT (4861/4712)	CATCCTTGGGGCGTGAAGTCC	CACATATTCCTTGTCACAGTACTTGC	~250
<i>Snai2</i> KO (4709/4707)	CTCTTGGCTGTGATTGGTTACTTC	TGGCGCCTACCGGTGGATGTGGAATG	~200
<i>Snai3</i> KN (3080/3079)	CCTTGCCAGCACTTGTCTCTTC	GAAATCTGCCAGCCTCTGCCTATCC	WT ~180 KN ~210
<i>Vav-Cre</i> (5055/5056)	AGATGCCAGGACATCAGGAACCTG	ATCAGCCACACCAGACACAGAGATC	~230

Supplementary Table 1: Primer sequences utilized for genotyping. Numbers in parentheses reference identification number in the Weis lab primer database.

Abbreviations: WT = wildtype, KO = knockout, KN = knockin

Antibody	Clone #	Dilution	Manufacturer
αCD16+32	93	1:1000	BioLegend
αCD4-PerCP/Cy5.5	GK1.5	1:400	BioLegend
αCD8α-AF700	53-6.7	1:400	BioLegend
αCD44-PE/Cy7	IM7	1:200	BioLegend
αCD25-PE	PC61	1:400	BioLegend
αCD3ε-APC	145-2C11	1:100	BioLegend

Supplementary Table 2: Antibodies utilized for FACS analysis. Listed for each antibody is the clone number, working dilution and manufacturer.

Supplementary Table 3: Significantly altered genes in CD8a+ cells. Red highlights Y-linked and X-chromosome-associated genes.

Associated Gene Name	Description	WT / cDKO Log2 Fold Change	p-value
<i>Eif2s3y</i>	eukaryotic translation initiation factor 2, subunit 3, structural gene Y-linked [Source:MGI Symbol;Acc:MGI:1349430]	-18.35	3.51E-03
<i>Sva</i>	seminal vesicle antigen [Source:MGI Symbol;Acc:MGI:102785]	-15.76	1.17E-04
<i>Uty</i>	ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome [Source:MGI Symbol;Acc:MGI:894810]	-12.44	1.48E-06
<i>Ddx3y</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked [Source:MGI Symbol;Acc:MGI:1349406]	-10.58	7.65E-06
<i>Kdm5d</i>	lysine (K)-specific demethylase 5D [Source:MGI Symbol;Acc:MGI:99780]	-10.09	3.24E-05
<i>Wscd1</i>	WSC domain containing 1 [Source:MGI Symbol;Acc:MGI:2448493]	-2.68	1.28E-02
<i>Gm15494</i>	predicted gene 15494 [Source:MGI Symbol;Acc:MGI:3782940]	-2.46	4.26E-02
<i>Gm26316</i>	predicted gene, 26316 [Source:MGI Symbol;Acc:MGI:5456093]	-2.38	1.13E-02
<i>Gm11209</i>	predicted gene 11209 [Source:MGI Symbol;Acc:MGI:3650632]	-2.28	1.79E-02
<i>Ak8</i>	adenylate kinase 8 [Source:MGI Symbol;Acc:MGI:1916120]	-2.10	1.80E-02
<i>Klb</i>	klotho beta [Source:MGI Symbol;Acc:MGI:1932466]	-2.07	3.16E-02
<i>Gm11628</i>	predicted gene 11628 [Source:MGI Symbol;Acc:MGI:3651276]	-1.89	2.65E-02
<i>Gm26895</i>	predicted gene, 26895 [Source:MGI Symbol;Acc:MGI:5477389]	-1.79	3.80E-02
<i>Gm17545</i>	predicted gene, 17545 [Source:MGI Symbol;Acc:MGI:4937179]	-1.75	3.70E-02
<i>Gm9522</i>	predicted gene 9522 [Source:MGI Symbol;Acc:MGI:3779931]	-1.72	1.88E-02
<i>Pde6g</i>	phosphodiesterase 6G, cGMP-specific, rod, gamma [Source:MGI Symbol;Acc:MGI:97526]	-1.72	1.11E-02
<i>Nxpe4</i>	neurexophilin and PC-esterase domain family, member 4 [Source:MGI Symbol;Acc:MGI:1924792]	-1.67	2.95E-02
<i>Mir17</i>	microRNA 17 [Source:MGI Symbol;Acc:MGI:3619065]	-1.67	3.19E-03
<i>Fhdc1</i>	FH2 domain containing 1 [Source:MGI Symbol;Acc:MGI:2684972]	-1.64	1.22E-02
<i>Gm22051</i>	predicted gene, 22051 [Source:MGI Symbol;Acc:MGI:5451828]	-1.63	3.39E-03
<i>Mir23a</i>	microRNA 23a [Source:MGI Symbol;Acc:MGI:2676897]	-1.61	3.69E-02
<i>Dnm3</i>	dynamin 3 [Source:MGI Symbol;Acc:MGI:1341299]	-1.55	2.60E-02
<i>Spaca1</i>	sperm acrosome associated 1 [Source:MGI Symbol;Acc:MGI:1914902]	-1.54	5.00E-02
<i>Gm22486</i>	predicted gene, 22486 [Source:MGI Symbol;Acc:MGI:5452263]	-1.52	3.72E-02
<i>Gm6910</i>	predicted gene 6910 [Source:MGI Symbol;Acc:MGI:3648043]	-1.52	2.11E-02
<i>Gm15921</i>	predicted gene 15921 [Source:MGI Symbol;Acc:MGI:3801933]	-1.51	1.24E-02
<i>Ptpn3</i>	protein tyrosine phosphatase, non-receptor type 3 [Source:MGI Symbol;Acc:MGI:105307]	-1.50	3.17E-03
<i>Gm12176</i>	predicted gene 12176 [Source:MGI Symbol;Acc:MGI:3651497]	-1.47	4.48E-02
<i>1810019D21Rik</i>	RIKEN cDNA 1810019D21 gene [Source:MGI Symbol;Acc:MGI:1917021]	-1.43	4.98E-02
<i>Rps19-ps9</i>	ribosomal protein S19, pseudogene 9 [Source:MGI Symbol;Acc:MGI:3641929]	-1.42	2.61E-02
<i>Gm22154</i>	predicted gene, 22154 [Source:MGI Symbol;Acc:MGI:5451931]	-1.40	2.62E-02
<i>Tdrd5</i>	tudor domain containing 5 [Source:MGI Symbol;Acc:MGI:2684949]	-1.39	2.78E-02
<i>Trdv5</i>	T cell receptor delta variable 5 [Source:MGI Symbol;Acc:MGI:3704133]	-1.33	3.03E-02
<i>Ighj2</i>	immunoglobulin heavy joining 2 [Source:MGI Symbol;Acc:MGI:4439803]	-1.33	4.15E-03
<i>Gm24724</i>	predicted gene, 24724 [Source:MGI Symbol;Acc:MGI:5454501]	-1.32	3.95E-02
<i>Gm15994</i>	predicted gene 15994 [Source:MGI Symbol;Acc:MGI:3801929]	-1.32	2.10E-02
<i>Wnt5b</i>	wingless-type MMTV integration site family, member 5B [Source:MGI Symbol;Acc:MGI:98959]	-1.31	1.02E-02
<i>Rpl19-ps11</i>	ribosomal protein L19, pseudogene 11 [Source:MGI Symbol;Acc:MGI:3642193]	-1.28	4.23E-02
<i>Gm4462</i>	predicted gene 4462 [Source:MGI Symbol;Acc:MGI:3782646]	-1.25	9.28E-03
<i>Mir219a-1</i>	microRNA 219a-1 [Source:MGI Symbol;Acc:MGI:3618753]	-1.20	4.20E-02
<i>Gm26003</i>	predicted gene, 26003 [Source:MGI Symbol;Acc:MGI:5455780]	-1.20	1.50E-02
<i>n-R5s183</i>	nuclear encoded rRNA 5S 183 [Source:MGI Symbol;Acc:MGI:4422048]	-1.19	3.44E-02
<i>Gm3235</i>	predicted gene 3235 [Source:MGI Symbol;Acc:MGI:3781413]	-1.16	1.48E-02
<i>Gm26493</i>	predicted gene, 26493 [Source:MGI Symbol;Acc:MGI:5456270]	-1.16	4.36E-02
<i>Sox5</i>	SRY (sex determining region Y)-box 5 [Source:MGI Symbol;Acc:MGI:98367]	-1.16	8.09E-04
<i>Srp54b</i>	signal recognition particle 54B [Source:MGI Symbol;Acc:MGI:3714357]	-1.15	2.54E-03
<i>Gm15738</i>	predicted gene 15738 [Source:MGI Symbol;Acc:MGI:3783180]	-1.12	3.76E-04
<i>Gm24191</i>	predicted gene, 24191 [Source:MGI Symbol;Acc:MGI:5453968]	-1.12	1.70E-02
<i>Gm6345</i>	predicted gene 6345 [Source:MGI Symbol;Acc:MGI:3647370]	-1.10	4.03E-02
<i>Bmf</i>	BCL2 modifying factor [Source:MGI Symbol;Acc:MGI:2176433]	-1.09	1.55E-03
<i>Tmtc2</i>	transmembrane and tetratricopeptide repeat containing 2 [Source:MGI Symbol;Acc:MGI:1914057]	-1.08	3.61E-02
<i>Gm16201</i>	predicted gene 16201 [Source:MGI Symbol;Acc:MGI:3802153]	-1.08	1.71E-02
<i>Gm24134</i>	predicted gene, 24134 [Source:MGI Symbol;Acc:MGI:5453911]	-1.07	3.11E-02

<i>Gm5963</i>	predicted pseudogene 5963 [Source:MGI Symbol;Acc:MGI:3648418]	-1.07	3.17E-02
<i>Gm7808</i>	predicted pseudogene 7808 [Source:MGI Symbol;Acc:MGI:3643360]	-1.06	2.27E-03
<i>Mir677</i>	microRNA 677 [Source:MGI Symbol;Acc:MGI:3629885]	-1.06	9.60E-03
<i>Myom1</i>	myomesin 1 [Source:MGI Symbol;Acc:MGI:1341430]	-1.06	1.18E-03
<i>Gm12279</i>	predicted gene 12279 [Source:MGI Symbol;Acc:MGI:3649630]	-1.05	2.74E-03
<i>Gm12254</i>	predicted gene 12254 [Source:MGI Symbol;Acc:MGI:3650324]	-1.05	4.27E-02
<i>Gm16334</i>	predicted gene 16334 [Source:MGI Symbol;Acc:MGI:3840149]	-1.04	7.56E-04
<i>Gm15429</i>	predicted pseudogene 15429 [Source:MGI Symbol;Acc:MGI:3642423]	-1.01	2.85E-03
<i>Phlda3</i>	pleckstrin homology-like domain, family A, member 3 [Source:MGI Symbol;Acc:MGI:1351485]	-1.01	4.15E-02
<i>Rnaset2a</i>	ribonuclease T2A [Source:MGI Symbol;Acc:MGI:1915445]	-1.00	1.25E-02
<i>Cables1</i>	CDK5 and Abl enzyme substrate 1 [Source:MGI Symbol;Acc:MGI:1927065]	1.02	8.43E-03
<i>Wnt8b</i>	wingless-type MMTV integration site family, member 8B [Source:MGI Symbol;Acc:MGI:109485]	1.02	5.54E-03
<i>Iffl3</i>	interferon-induced protein with tetratricopeptide repeats 3 [Source:MGI Symbol;Acc:MGI:1101055]	1.03	4.04E-02
<i>Ube2l6</i>	ubiquitin-conjugating enzyme E2L 6 [Source:MGI Symbol;Acc:MGI:1914500]	1.04	3.14E-02
<i>Rel1</i>	REL1-like 1 [Source:MGI Symbol;Acc:MGI:2140767]	1.05	1.00E-03
<i>A430018G15Rik</i>	RIKEN cDNA A430018G15 gene [Source:MGI Symbol;Acc:MGI:3040796]	1.08	7.88E-04
<i>Gm12596</i>	predicted gene 12596 [Source:MGI Symbol;Acc:MGI:3649247]	1.08	1.12E-02
<i>Gm10232</i>	predicted pseudogene 10232 [Source:MGI Symbol;Acc:MGI:3641637]	1.09	2.65E-02
<i>Dmrt1</i>	doublesex and mab-3 related transcription factor like family A1 [Source:MGI Symbol;Acc:MGI:2653627]	1.11	1.02E-02
<i>I830012O16Rik</i>	RIKEN cDNA I830012O16 gene [Source:MGI Symbol;Acc:MGI:3698419]	1.12	3.76E-02
<i>Gm5620</i>	predicted gene 5620 [Source:MGI Symbol;Acc:MGI:3647798]	1.13	4.10E-02
<i>Entpd1</i>	ectonucleoside triphosphate diphosphohydrolase 1 [Source:MGI Symbol;Acc:MGI:102805]	1.15	2.87E-02
<i>Ly6i</i>	lymphocyte antigen 6 complex, locus I [Source:MGI Symbol;Acc:MGI:1888480]	1.15	2.40E-02
<i>Gm24840</i>	predicted gene, 24840 [Source:MGI Symbol;Acc:MGI:5454617]	1.16	1.74E-03
<i>Zfp69</i>	zinc finger protein 69 [Source:MGI Symbol;Acc:MGI:107794]	1.19	2.94E-02
<i>Henmt1</i>	HEN1 methyltransferase homolog 1 (Arabidopsis) [Source:MGI Symbol;Acc:MGI:1913965]	1.20	2.42E-02
<i>Abcb11</i>	ATP-binding cassette, sub-family B (MDR/TAP), member 11 [Source:MGI Symbol;Acc:MGI:1351619]	1.23	1.32E-02
<i>Pde4a</i>	phosphodiesterase 4A, cAMP specific [Source:MGI Symbol;Acc:MGI:99558]	1.26	1.78E-02
<i>Pros1</i>	protein S (alpha) [Source:MGI Symbol;Acc:MGI:1095733]	1.28	4.95E-03
<i>Gm7117</i>	predicted pseudogene 7117 [Source:MGI Symbol;Acc:MGI:3649027]	1.31	2.28E-02
<i>Gp49a</i>	glycoprotein 49 A [Source:MGI Symbol;Acc:MGI:102702]	1.31	3.50E-02
<i>Col27a1</i>	collagen, type XXVII, alpha 1 [Source:MGI Symbol;Acc:MGI:2672118]	1.32	2.26E-02
<i>Gm11212</i>	predicted gene 11212 [Source:MGI Symbol;Acc:MGI:3651243]	1.32	5.21E-04
<i>Rbpsuh-rs3</i>	recombining binding protein suppressor of hairless (Drosophila), related sequence 3 [Source:MGI Symbol;Acc:MGI:9	1.36	1.09E-02
<i>Pik3ap1</i>	phosphoinositide-3-kinase adaptor protein 1 [Source:MGI Symbol;Acc:MGI:1933177]	1.37	2.74E-02
<i>Oit3</i>	oncoprotein induced transcript 3 [Source:MGI Symbol;Acc:MGI:1201782]	1.39	1.51E-02
<i>Cybb</i>	cytochrome b-245, beta polypeptide [Source:MGI Symbol;Acc:MGI:88574]	1.40	4.20E-03
<i>Ccdc122</i>	coiled-coil domain containing 122 [Source:MGI Symbol;Acc:MGI:1918358]	1.40	2.51E-02
<i>Gm23138</i>	predicted gene, 23138 [Source:MGI Symbol;Acc:MGI:5452915]	1.42	3.61E-02
<i>Gm16558</i>	predicted gene 16558 [Source:MGI Symbol;Acc:MGI:4414978]	1.45	2.63E-02
<i>Ccl3</i>	chemokine (C-C motif) ligand 3 [Source:MGI Symbol;Acc:MGI:98260]	1.46	4.45E-02
<i>Gm25436</i>	predicted gene, 25436 [Source:MGI Symbol;Acc:MGI:5455213]	1.48	3.87E-02
<i>Gm25109</i>	predicted gene, 25109 [Source:MGI Symbol;Acc:MGI:5454886]	1.50	2.72E-02
<i>Gm22300</i>	predicted gene, 22300 [Source:MGI Symbol;Acc:MGI:5452077]	1.51	2.19E-02
<i>Gm15819</i>	predicted gene 15819 [Source:MGI Symbol;Acc:MGI:3802175]	1.52	3.45E-05
<i>BC049352</i>	cDNA sequence BC049352 [Source:MGI Symbol;Acc:MGI:3040681]	1.55	2.08E-02
<i>Map2</i>	microtubule-associated protein 2 [Source:MGI Symbol;Acc:MGI:97175]	1.56	2.96E-02
<i>Ctnnd2</i>	catenin (cadherin associated protein), delta 2 [Source:MGI Symbol;Acc:MGI:1195966]	1.56	3.39E-02
<i>Kcnj8</i>	potassium inwardly-rectifying channel, subfamily J, member 8 [Source:MGI Symbol;Acc:MGI:1100508]	1.62	2.38E-02
<i>Gm13991</i>	predicted gene 13991 [Source:MGI Symbol;Acc:MGI:3651689]	1.63	2.96E-02
<i>1810059H22Rik</i>	RIKEN cDNA 1810059H22 gene [Source:MGI Symbol;Acc:MGI:1917070]	1.64	3.46E-02
<i>Gm16701</i>	predicted gene, 16701 [Source:MGI Symbol;Acc:MGI:4439625]	1.68	9.05E-03
<i>Ryk</i>	receptor-like tyrosine kinase [Source:MGI Symbol;Acc:MGI:101766]	1.69	3.64E-02
<i>Gm7367</i>	predicted pseudogene 7367 [Source:MGI Symbol;Acc:MGI:3646404]	1.71	4.98E-02
<i>Rpl5-ps1</i>	ribosomal protein L5, pseudogene 1 [Source:MGI Symbol;Acc:MGI:3647110]	1.72	2.72E-02
<i>C1qtnf3</i>	C1q and tumor necrosis factor related protein 3 [Source:MGI Symbol;Acc:MGI:1932136]	2.01	4.29E-02

<i>Gm12460</i>	predicted gene 12460 [Source:MGI Symbol;Acc:MGI:3650440]	2.03	1.39E-02
<i>Plch2</i>	phospholipase C, eta 2 [Source:MGI Symbol;Acc:MGI:2443078]	2.10	2.94E-02
<i>Gm15460</i>	predicted gene 15460 [Source:MGI Symbol;Acc:MGI:3707338]	2.51	4.56E-02
<i>Gm23479</i>	predicted gene, 23479 [Source:MGI Symbol;Acc:MGI:5453256]	2.64	2.68E-02
<i>Gm8338</i>	predicted gene 8338 [Source:MGI Symbol;Acc:MGI:3647186]	2.73	3.06E-02
<i>Rapgef1</i>	Rap guanine nucleotide exchange factor (GEF)-like 1 [Source:MGI Symbol;Acc:MGI:3611446]	2.92	3.11E-02
<i>Stc2</i>	stanniocalcin 2 [Source:MGI Symbol;Acc:MGI:1316731]	2.97	8.05E-03
<i>Gm26992</i>	predicted gene, 26992 [Source:MGI Symbol;Acc:MGI:5504107]	6.63	1.68E-04
<i>Tsix</i>	X (inactive)-specific transcript, opposite strand [Source:MGI Symbol;Acc:MGI:1336196]	7.58	1.81E-04
<i>Snai3</i>	snail family zinc finger 3 [Source:MGI Symbol;Acc:MGI:1353563]	7.91	1.44E-06
<i>Xist</i>	inactive X specific transcripts [Source:MGI Symbol;Acc:MGI:98974]	9.34	3.85E-04

Supplementary Table 4: Significantly altered genes in Tconv cells. Red highlights Y-linked and X-chromosome-associated genes.

Associated Gene Name	Description	WT / cDKO Log2 Fold Change	p-value
<i>Eif2s3y</i>	eukaryotic translation initiation factor 2, subunit 3, structural gene Y-linked [Source:MGI Symbol;Acc:MGI:1349430]	-11.28	2.81E-03
<i>Ddx3y</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked [Source:MGI Symbol;Acc:MGI:1349406]	-10.77	5.84E-07
<i>Kdm5d</i>	lysine (K)-specific demethylase 5D [Source:MGI Symbol;Acc:MGI:99780]	-10.75	5.49E-05
<i>Uty</i>	ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome [Source:MGI Symbol;Acc:MGI:894810]	-10.04	3.14E-08
<i>Sva</i>	seminal vesicle antigen [Source:MGI Symbol;Acc:MGI:102785]	-7.55	5.46E-05
<i>Zfp618</i>	zinc finger protein 618 [Source:MGI Symbol;Acc:MGI:1919950]	-4.01	1.76E-04
<i>Gm9522</i>	predicted gene 9522 [Source:MGI Symbol;Acc:MGI:3779931]	-1.69	6.44E-03
<i>Mir2861</i>	microRNA 2861 [Source:MGI Symbol;Acc:MGI:4441431]	-1.62	4.41E-02
<i>Tusc1</i>	tumor suppressor candidate 1 [Source:MGI Symbol;Acc:MGI:2684283]	-1.60	3.92E-04
<i>Prr18</i>	proline rich 18 [Source:MGI Symbol;Acc:MGI:2443403]	-1.50	1.56E-02
<i>Gm9387</i>	predicted pseudogene 9387 [Source:MGI Symbol;Acc:MGI:3643269]	-1.48	3.60E-02
<i>Spaca1</i>	sperm acrosome associated 1 [Source:MGI Symbol;Acc:MGI:1914902]	-1.39	1.99E-02
<i>Rpl28-ps3</i>	ribosomal protein L28, pseudogene 3 [Source:MGI Symbol;Acc:MGI:3650282]	-1.33	1.61E-02
<i>Tle2</i>	transducin-like enhancer of split 2, homolog of Drosophila E(spl) [Source:MGI Symbol;Acc:MGI:104635]	-1.30	2.30E-02
<i>Sec1</i>	secretory blood group 1 [Source:MGI Symbol;Acc:MGI:1928893]	-1.17	2.40E-02
<i>Srp54b</i>	signal recognition particle 54B [Source:MGI Symbol;Acc:MGI:3714357]	-1.09	1.76E-02
<i>1700040D17Rik</i>	RIKEN cDNA 1700040D17 gene [Source:MGI Symbol;Acc:MGI:1923852]	-1.08	3.85E-02
<i>1700069B07Rik</i>	RIKEN cDNA 1700069B07 gene [Source:MGI Symbol;Acc:MGI:1923863]	-1.05	3.45E-02
<i>Rasgef1b</i>	RasGEF domain family, member 1B [Source:MGI Symbol;Acc:MGI:2443755]	1.01	3.83E-04
<i>Rassf4</i>	Ras association (RalGDS/AF-6) domain family member 4 [Source:MGI Symbol;Acc:MGI:2386853]	1.01	8.05E-03
<i>Cc2d2a</i>	coiled-coil and C2 domain containing 2A [Source:MGI Symbol;Acc:MGI:1924487]	1.01	4.11E-02
<i>H2-DMb1</i>	histocompatibility 2, class II, locus Mb1 [Source:MGI Symbol;Acc:MGI:95922]	1.01	2.02E-02
<i>Gm13684</i>	predicted gene 13684 [Source:MGI Symbol;Acc:MGI:3649340]	1.01	4.47E-02
<i>Ticrr</i>	TOPBP1-interacting checkpoint and replication regulator [Source:MGI Symbol;Acc:MGI:1924261]	1.02	1.78E-02
<i>Mir5107</i>	microRNA 5107 [Source:MGI Symbol;Acc:MGI:4950427]	1.02	2.28E-02
<i>Rel1</i>	RELT-like 1 [Source:MGI Symbol;Acc:MGI:2140767]	1.03	1.56E-03
<i>Nei3</i>	nei like 3 (E. coli) [Source:MGI Symbol;Acc:MGI:2384588]	1.03	4.21E-02
<i>Kcnab3</i>	potassium voltage-gated channel, shaker-related subfamily, beta member 3 [Source:MGI Symbol;Acc:MGI:1336208]	1.04	4.89E-02
<i>Slc6a9</i>	solute carrier family 6 (neurotransmitter transporter, glycine), member 9 [Source:MGI Symbol;Acc:MGI:95760]	1.05	3.69E-02
<i>Atg4c</i>	autophagy related 4C, cysteine peptidase [Source:MGI Symbol;Acc:MGI:2651854]	1.06	7.42E-03
<i>A930019D19Rik</i>	RIKEN cDNA A930019D19 gene [Source:MGI Symbol;Acc:MGI:1925056]	1.06	4.58E-03
<i>Siglecg</i>	sialic acid binding Ig-like lectin G [Source:MGI Symbol;Acc:MGI:2443630]	1.06	3.80E-02
<i>Adam23</i>	a disintegrin and metallopeptidase domain 23 [Source:MGI Symbol;Acc:MGI:1345162]	1.06	4.87E-02
<i>Slc4a5</i>	solute carrier family 4, sodium bicarbonate cotransporter, member 5 [Source:MGI Symbol;Acc:MGI:2443220]	1.06	1.01E-02
<i>Prss30</i>	protease, serine 30 [Source:MGI Symbol;Acc:MGI:1353645]	1.07	3.03E-02
<i>Pou2f2</i>	POU domain, class 2, transcription factor 2 [Source:MGI Symbol;Acc:MGI:101897]	1.07	3.38E-02
<i>Hspa2</i>	heat shock protein 2 [Source:MGI Symbol;Acc:MGI:96243]	1.07	4.13E-02
<i>Serpinc1</i>	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1 [Source:MGI Symbol;Acc:MGI:88095]	1.08	1.18E-02
<i>Kmo</i>	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase) [Source:MGI Symbol;Acc:MGI:2138151]	1.08	5.77E-03
<i>Cd83</i>	CD83 antigen [Source:MGI Symbol;Acc:MGI:1328316]	1.09	3.62E-02
<i>Lrrk2</i>	leucine-rich repeat kinase 2 [Source:MGI Symbol;Acc:MGI:1913975]	1.09	3.00E-02
<i>Cbfa2t3</i>	core-binding factor, runt domain, alpha subunit 2, translocated to, 3 (human) [Source:MGI Symbol;Acc:MGI:1338013]	1.10	3.20E-02
<i>Cd244</i>	CD244 natural killer cell receptor 2B4 [Source:MGI Symbol;Acc:MGI:109294]	1.10	2.59E-02
<i>mt-Nd2</i>	mitochondrially encoded NADH dehydrogenase 2 [Source:MGI Symbol;Acc:MGI:102500]	1.10	5.83E-03
<i>Gm13185</i>	predicted gene 13185 [Source:MGI Symbol;Acc:MGI:3651411]	1.11	2.46E-02
<i>Dnase1l3</i>	deoxyribonuclease 1-like 3 [Source:MGI Symbol;Acc:MGI:1314633]	1.11	1.25E-02
<i>Gm26293</i>	predicted gene, 26293 [Source:MGI Symbol;Acc:MGI:5456070]	1.11	1.13E-02
<i>Slc39a5</i>	solute carrier family 39 (metal ion transporter), member 5 [Source:MGI Symbol;Acc:MGI:1919336]	1.12	4.07E-02
<i>Scarna3b</i>	small Cajal body-specific RNA 3B [Source:MGI Symbol;Acc:MGI:3819486]	1.12	3.57E-02
<i>Fit3</i>	FMS-like tyrosine kinase 3 [Source:MGI Symbol;Acc:MGI:95559]	1.13	3.65E-02
<i>Gm22200</i>	predicted gene, 22200 [Source:MGI Symbol;Acc:MGI:5451977]	1.13	1.09E-02
<i>Klri2</i>	killer cell lectin-like receptor family I member 2 [Source:MGI Symbol;Acc:MGI:2443965]	1.13	3.55E-02
<i>Fndc5</i>	fibronectin type III domain containing 5 [Source:MGI Symbol;Acc:MGI:1917614]	1.13	9.56E-03

<i>Lyn</i>	Yamaguchi sarcoma viral (v-yes-1) oncogene homolog [Source:MGI Symbol;Acc:MGI:96892]	1.13	1.64E-02
<i>Btk</i>	BRUTON agammaglobulinemia tyrosine kinase [Source:MGI Symbol;Acc:MGI:88216]	1.13	1.58E-02
<i>A230005M16Rik</i>	RIKEN cDNA A230005M16 gene [Source:MGI Symbol;Acc:MGI:3603401]	1.13	2.26E-02
<i>Vipr2</i>	vasoactive intestinal peptide receptor 2 [Source:MGI Symbol;Acc:MGI:107166]	1.14	2.28E-02
<i>Selp</i>	selectin, platelet [Source:MGI Symbol;Acc:MGI:98280]	1.14	4.20E-02
<i>Gm13166</i>	predicted gene 13166 [Source:MGI Symbol;Acc:MGI:3705130]	1.14	3.06E-02
<i>Cspg5</i>	chondroitin sulfate proteoglycan 5 [Source:MGI Symbol;Acc:MGI:1352747]	1.14	2.26E-02
<i>H2-Aa</i>	histocompatibility 2, class II antigen A, alpha [Source:MGI Symbol;Acc:MGI:95895]	1.15	4.91E-02
<i>Hmox1</i>	heme oxygenase (decycling) 1 [Source:MGI Symbol;Acc:MGI:96163]	1.15	2.09E-02
<i>Spats1</i>	spermatogenesis associated, serine-rich 1 [Source:MGI Symbol;Acc:MGI:1918270]	1.16	1.30E-02
<i>Rnf208</i>	ring finger protein 208 [Source:MGI Symbol;Acc:MGI:1916096]	1.17	3.69E-02
<i>Gm9857</i>	predicted gene 9857 [Source:MGI Symbol;Acc:MGI:3704224]	1.17	4.61E-02
<i>Ebi3</i>	Epstein-Barr virus induced gene 3 [Source:MGI Symbol;Acc:MGI:1354171]	1.18	3.06E-02
<i>Ak4</i>	adenylate kinase 4 [Source:MGI Symbol;Acc:MGI:87979]	1.18	6.02E-03
<i>Gm24875</i>	predicted gene, 24875 [Source:MGI Symbol;Acc:MGI:5454652]	1.18	1.02E-03
<i>Zfp939</i>	zinc finger protein 939 [Source:MGI Symbol;Acc:MGI:3036240]	1.18	2.60E-02
<i>Themis2</i>	thymocyte selection associated family member 2 [Source:MGI Symbol;Acc:MGI:2446213]	1.18	3.41E-04
<i>Arhgap20os</i>	Rho GTPase activating protein 20, opposite strand [Source:MGI Symbol;Acc:MGI:3027124]	1.19	2.86E-02
<i>Gpr35</i>	G protein-coupled receptor 35 [Source:MGI Symbol;Acc:MGI:1929509]	1.19	6.09E-03
<i>Pip5k1</i>	phosphatidylinositol-4-phosphate 5-kinase-like 1 [Source:MGI Symbol;Acc:MGI:2448520]	1.19	2.01E-02
<i>Myo1b</i>	myosin IB [Source:MGI Symbol;Acc:MGI:107752]	1.19	4.40E-02
<i>Kit</i>	kit oncogene [Source:MGI Symbol;Acc:MGI:96677]	1.19	2.34E-02
<i>Pla2g4a</i>	phospholipase A2, group IVA (cytosolic, calcium-dependent) [Source:MGI Symbol;Acc:MGI:1195256]	1.20	2.14E-02
<i>Plac8</i>	placenta-specific 8 [Source:MGI Symbol;Acc:MGI:2445289]	1.20	1.13E-02
<i>Gm8813</i>	predicted gene 8813 [Source:MGI Symbol;Acc:MGI:3645282]	1.21	4.27E-02
<i>Mctp1</i>	multiple C2 domains, transmembrane 1 [Source:MGI Symbol;Acc:MGI:1926021]	1.21	5.31E-03
<i>Cacna1e</i>	calcium channel, voltage-dependent, R type, alpha 1E subunit [Source:MGI Symbol;Acc:MGI:106217]	1.23	1.07E-02
<i>Zfp612</i>	zinc finger protein 612 [Source:MGI Symbol;Acc:MGI:2443465]	1.23	1.55E-02
<i>Gm13054</i>	predicted gene 13054 [Source:MGI Symbol;Acc:MGI:3702728]	1.24	4.34E-02
<i>n-R5s215</i>	nuclear encoded rRNA 5S 215 [Source:MGI Symbol;Acc:MGI:4422080]	1.24	1.68E-02
<i>Cdk14</i>	cyclin-dependent kinase 14 [Source:MGI Symbol;Acc:MGI:894318]	1.25	5.68E-03
<i>Gm25447</i>	predicted gene, 25447 [Source:MGI Symbol;Acc:MGI:5455224]	1.26	2.93E-03
<i>Plvap</i>	plasmalemma vesicle associated protein [Source:MGI Symbol;Acc:MGI:1890497]	1.26	3.34E-03
<i>Gm15819</i>	predicted gene 15819 [Source:MGI Symbol;Acc:MGI:3802175]	1.26	1.02E-03
<i>Ago4</i>	argonaute RISC catalytic subunit 4 [Source:MGI Symbol;Acc:MGI:1924100]	1.27	3.96E-02
<i>Bcl2l15</i>	BCL2-like 15 [Source:MGI Symbol;Acc:MGI:2685412]	1.28	4.50E-02
<i>Gm9311</i>	predicted gene 9311 [Source:MGI Symbol;Acc:MGI:3644818]	1.28	2.94E-03
<i>Lifr</i>	leukemia inhibitory factor receptor [Source:MGI Symbol;Acc:MGI:96788]	1.31	2.41E-02
<i>Adrbk2</i>	adrenergic receptor kinase, beta 2 [Source:MGI Symbol;Acc:MGI:87941]	1.31	2.20E-02
<i>Phox2a</i>	paired-like homeobox 2a [Source:MGI Symbol;Acc:MGI:106633]	1.31	3.71E-02
<i>Ston1</i>	stonin 1 [Source:MGI Symbol;Acc:MGI:1924307]	1.31	1.49E-02
<i>Col27a1</i>	collagen, type XXVII, alpha 1 [Source:MGI Symbol;Acc:MGI:2672118]	1.31	9.70E-03
<i>Fgl2</i>	fibrinogen-like protein 2 [Source:MGI Symbol;Acc:MGI:103266]	1.32	3.95E-02
<i>Wdfy4</i>	WD repeat and FYVE domain containing 4 [Source:MGI Symbol;Acc:MGI:3584510]	1.32	1.80E-02
<i>H2-Eb1</i>	histocompatibility 2, class II antigen E beta [Source:MGI Symbol;Acc:MGI:95901]	1.33	1.90E-02
<i>Kynu</i>	kynureninase (L-kynurenine hydrolase) [Source:MGI Symbol;Acc:MGI:1918039]	1.34	3.97E-02
<i>Havcr2</i>	hepatitis A virus cellular receptor 2 [Source:MGI Symbol;Acc:MGI:2159682]	1.34	8.48E-04
<i>Cd300lf</i>	CD300 antigen like family member F [Source:MGI Symbol;Acc:MGI:2442359]	1.34	4.51E-03
<i>Napsa</i>	napsin A aspartic peptidase [Source:MGI Symbol;Acc:MGI:109365]	1.36	1.36E-02
<i>Gm16386</i>	predicted gene 16386 [Source:MGI Symbol;Acc:MGI:3646848]	1.37	4.69E-02
<i>Trim7</i>	tripartite motif-containing 7 [Source:MGI Symbol;Acc:MGI:2137353]	1.38	5.29E-03
<i>Ctsh</i>	cathepsin H [Source:MGI Symbol;Acc:MGI:107285]	1.38	6.42E-03
<i>mt-Rnr1</i>	mitochondrially encoded 12S rRNA [Source:MGI Symbol;Acc:MGI:102493]	1.39	1.72E-02
<i>Mefv</i>	Mediterranean fever [Source:MGI Symbol;Acc:MGI:1859396]	1.40	3.10E-02
<i>Gm12186</i>	predicted gene 12186 [Source:MGI Symbol;Acc:MGI:3649200]	1.40	1.33E-02
<i>Tnn</i>	tenascin N [Source:MGI Symbol;Acc:MGI:2665790]	1.41	2.68E-02

<i>Mikl</i>	mixed lineage kinase domain-like [Source:MGI Symbol;Acc:MGI:1921818]	1.41	2.73E-02
<i>Klf4</i>	Kruppel-like factor 4 (gut) [Source:MGI Symbol;Acc:MGI:1342287]	1.41	1.15E-02
<i>Rapgef1l1</i>	Rap guanine nucleotide exchange factor (GEF)-like 1 [Source:MGI Symbol;Acc:MGI:3611446]	1.41	3.71E-02
<i>Gpr153</i>	G protein-coupled receptor 153 [Source:MGI Symbol;Acc:MGI:1916157]	1.41	1.82E-02
<i>Rin2</i>	Ras and Rab interactor 2 [Source:MGI Symbol;Acc:MGI:1921280]	1.41	5.51E-03
<i>1700029H14Rik</i>	RIKEN cDNA 1700029H14 gene [Source:MGI Symbol;Acc:MGI:1913751]	1.42	2.99E-02
<i>Mreg</i>	melanoregulin [Source:MGI Symbol;Acc:MGI:2151839]	1.43	1.61E-02
<i>Gm15738</i>	predicted gene 15738 [Source:MGI Symbol;Acc:MGI:3783180]	1.43	3.68E-03
<i>Serpina9</i>	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 9 [Source:MGI Symbol;Acc:MGI:1920175]	1.44	3.07E-02
<i>March1</i>	membrane-associated ring finger (C3HC4) 1 [Source:MGI Symbol;Acc:MGI:1920175]	1.45	1.02E-02
<i>Obscn</i>	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF [Source:MGI Symbol;Acc:MGI:2681862]	1.45	4.18E-03
<i>Gm9670</i>	predicted gene 9670 [Source:MGI Symbol;Acc:MGI:3780078]	1.46	1.44E-02
<i>Bcl11a</i>	B cell CLL/lymphoma 11A (zinc finger protein) [Source:MGI Symbol;Acc:MGI:106190]	1.47	1.19E-03
<i>mt-Tt</i>	mitochondrially encoded tRNA threonine [Source:MGI Symbol;Acc:MGI:102473]	1.47	1.11E-02
<i>Nostrin</i>	nitric oxide synthase trafficker [Source:MGI Symbol;Acc:MGI:3606242]	1.50	1.22E-02
<i>Ier3</i>	immediate early response 3 [Source:MGI Symbol;Acc:MGI:104814]	1.52	1.91E-02
<i>Tlr4</i>	toll-like receptor 4 [Source:MGI Symbol;Acc:MGI:96824]	1.53	4.20E-02
<i>Orm3</i>	orosomucoid 3 [Source:MGI Symbol;Acc:MGI:97445]	1.53	1.15E-02
<i>Gm22849</i>	predicted gene, 22849 [Source:MGI Symbol;Acc:MGI:5452626]	1.53	2.81E-02
<i>Rasa12</i>	RAS protein activator like 2 [Source:MGI Symbol;Acc:MGI:2443881]	1.54	4.76E-03
<i>Myadm</i>	myeloid-associated differentiation marker [Source:MGI Symbol;Acc:MGI:1355332]	1.55	7.65E-05
<i>Sirpb1a</i>	signal-regulatory protein beta 1A [Source:MGI Symbol;Acc:MGI:2444824]	1.55	2.44E-03
<i>Haao</i>	3-hydroxyanthranilate 3,4-dioxygenase [Source:MGI Symbol;Acc:MGI:1349444]	1.56	1.85E-02
<i>Mpeg1</i>	macrophage expressed gene 1 [Source:MGI Symbol;Acc:MGI:1333743]	1.56	3.58E-04
<i>Ly86</i>	lymphocyte antigen 86 [Source:MGI Symbol;Acc:MGI:1321404]	1.56	5.92E-03
<i>Trpm2</i>	transient receptor potential cation channel, subfamily M, member 2 [Source:MGI Symbol;Acc:MGI:1351901]	1.57	3.96E-02
<i>Eqtn</i>	equatorin, sperm acrosome associated [Source:MGI Symbol;Acc:MGI:1915003]	1.65	2.27E-03
<i>Gm11212</i>	predicted gene 11212 [Source:MGI Symbol;Acc:MGI:3651243]	1.67	4.94E-02
<i>Rtn1</i>	reticulon 1 [Source:MGI Symbol;Acc:MGI:1933947]	1.67	1.65E-02
<i>Lrrc16a</i>	leucine rich repeat containing 16A [Source:MGI Symbol;Acc:MGI:1915982]	1.71	2.31E-02
<i>Eps8</i>	epidermal growth factor receptor pathway substrate 8 [Source:MGI Symbol;Acc:MGI:104684]	1.74	3.45E-03
<i>Pvrl1</i>	poliovirus receptor-related 1 [Source:MGI Symbol;Acc:MGI:1926483]	1.77	6.56E-03
<i>Gm4535</i>	predicted gene 4535 [Source:MGI Symbol;Acc:MGI:3782719]	1.80	1.65E-02
<i>Gm24457</i>	predicted gene, 24457 [Source:MGI Symbol;Acc:MGI:5454234]	1.80	1.32E-02
<i>2900089D17Rik</i>	RIKEN cDNA 2900089D17 gene [Source:MGI Symbol;Acc:MGI:1914527]	1.86	3.17E-03
<i>9130208D14Rik</i>	RIKEN cDNA 9130208D14 gene [Source:MGI Symbol;Acc:MGI:1924950]	1.88	1.92E-02
<i>Spire1</i>	spire homolog 1 (Drosophila) [Source:MGI Symbol;Acc:MGI:1915416]	1.90	5.91E-06
<i>C330013J21Rik</i>	RIKEN cDNA C330013J21 gene [Source:MGI Symbol;Acc:MGI:1925953]	1.91	2.66E-02
<i>Cyp17a1</i>	cytochrome P450, family 17, subfamily a, polypeptide 1 [Source:MGI Symbol;Acc:MGI:88586]	1.92	2.53E-02
<i>mt-Tw</i>	mitochondrially encoded tRNA tryptophan [Source:MGI Symbol;Acc:MGI:102471]	1.95	2.34E-03
<i>Arl13a</i>	ADP-ribosylation factor-like 13A [Source:MGI Symbol;Acc:MGI:1921698]	1.96	4.94E-02
<i>Tns3</i>	tensin 3 [Source:MGI Symbol;Acc:MGI:2443012]	1.97	7.47E-03
<i>Ankrd35</i>	ankyrin repeat domain 35 [Source:MGI Symbol;Acc:MGI:2442590]	1.97	2.21E-02
<i>Gm15379</i>	predicted gene 15379 [Source:MGI Symbol;Acc:MGI:3705643]	2.01	3.08E-02
<i>Cacna1s</i>	calcium channel, voltage-dependent, L type, alpha 1S subunit [Source:MGI Symbol;Acc:MGI:88294]	2.05	8.42E-03
<i>Myc1</i>	v-myc myelocytomatosis viral oncogene homolog, lung carcinoma derived (avian) [Source:MGI Symbol;Acc:MGI:96799]	2.06	1.65E-02
<i>M1ap</i>	meiosis 1 associated protein [Source:MGI Symbol;Acc:MGI:1315200]	2.07	1.18E-02
<i>Plscr4</i>	phospholipid scramblase 4 [Source:MGI Symbol;Acc:MGI:2143267]	2.09	2.03E-02
<i>Gm13388</i>	predicted gene 13388 [Source:MGI Symbol;Acc:MGI:3649903]	2.11	1.75E-03
<i>Tlr9</i>	toll-like receptor 9 [Source:MGI Symbol;Acc:MGI:1932389]	2.15	7.49E-03
<i>Gm17586</i>	predicted gene, 17586 [Source:MGI Symbol;Acc:MGI:4937220]	2.23	6.21E-04
<i>Syng3</i>	synaptogyrin 3 [Source:MGI Symbol;Acc:MGI:1341881]	2.27	3.77E-02
<i>9630013D21Rik</i>	RIKEN cDNA 9630013D21 gene [Source:MGI Symbol;Acc:MGI:2442649]	2.28	3.54E-02
<i>Gm16299</i>	predicted gene 16299 [Source:MGI Symbol;Acc:MGI:3826539]	2.29	3.45E-02
<i>Penk</i>	preproenkephalin [Source:MGI Symbol;Acc:MGI:104629]	2.31	3.28E-02
<i>AI607873</i>	expressed sequence AI607873 [Source:MGI Symbol;Acc:MGI:2138302]	2.36	8.41E-03

<i>Gm14429</i>	predicted gene 14429 [Source:MGI Symbol;Acc:MGI:3649510]	2.42	1.43E-02
<i>Gpr82</i>	G protein-coupled receptor 82 [Source:MGI Symbol;Acc:MGI:2441734]	2.45	1.75E-03
<i>Csf2rb2</i>	colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage) [Source:MGI Symbol;Acc:MGI:1339760]	2.72	2.46E-02
<i>Cxcl10</i>	chemokine (C-X-C motif) ligand 10 [Source:MGI Symbol;Acc:MGI:1352450]	2.74	1.07E-02
<i>Gm15354</i>	predicted gene 15354 [Source:MGI Symbol;Acc:MGI:3705093]	2.81	2.08E-02
<i>Ighj3</i>	immunoglobulin heavy joining 3 [Source:MGI Symbol;Acc:MGI:4439767]	3.37	3.73E-02
<i>Epha3</i>	Eph receptor A3 [Source:MGI Symbol;Acc:MGI:99612]	3.66	2.52E-02
<i>Nlrp1c-ps</i>	NLR family, pyrin domain containing 1C, pseudogene [Source:MGI Symbol;Acc:MGI:3582962]	3.82	8.47E-03
<i>Snai3</i>	snail family zinc finger 3 [Source:MGI Symbol;Acc:MGI:1353563]	4.59	2.47E-04
<i>Tsix</i>	X (inactive)-specific transcript, opposite strand [Source:MGI Symbol;Acc:MGI:1336196]	7.85	1.05E-04
<i>Gm26992</i>	predicted gene, 26992 [Source:MGI Symbol;Acc:MGI:5504107]	8.12	1.43E-04
<i>Xist</i>	inactive X specific transcripts [Source:MGI Symbol;Acc:MGI:98974]	9.80	1.35E-05

Supplementary Table 5: Significantly altered genes in Treg cells. Red highlights Y-linked and X-chromosome-associated genes.

Associated Gene Name	Description	WT / cDKO Log2 Fold Change	p-value
<i>Gm22072</i>	predicted gene, 22072 [Source:MGI Symbol;Acc:MGI:5451849]	-15.63	3.22E-02
<i>Ddx3y</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked [Source:MGI Symbol;Acc:MGI:1349406]	-11.24	6.01E-05
<i>Eif2s3y</i>	eukaryotic translation initiation factor 2, subunit 3, structural gene Y-linked [Source:MGI Symbol;Acc:MGI:1349430]	-10.71	1.13E-04
<i>Kdm5d</i>	lysine (K)-specific demethylase 5D [Source:MGI Symbol;Acc:MGI:99780]	-10.52	1.91E-04
<i>Uty</i>	ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome [Source:MGI Symbol;Acc:MGI:894810]	-8.47	2.06E-04
<i>Gm22677</i>	predicted gene, 22677 [Source:MGI Symbol;Acc:MGI:5452454]	-5.79	3.74E-02
<i>Gm20407</i>	predicted gene 20407 [Source:MGI Symbol;Acc:MGI:5141872]	-3.79	6.57E-04
<i>Aldh3a1</i>	aldehyde dehydrogenase family 3, subfamily A1 [Source:MGI Symbol;Acc:MGI:1353451]	-3.19	4.07E-02
<i>Cd8a</i>	CD8 antigen, alpha chain [Source:MGI Symbol;Acc:MGI:88346]	-3.12	3.47E-02
<i>Gm20732</i>	predicted gene 20732 [Source:MGI Symbol;Acc:MGI:5318559]	-3.02	4.39E-02
<i>Gm22345</i>	predicted gene, 22345 [Source:MGI Symbol;Acc:MGI:5452122]	-3.00	4.34E-02
<i>Gm22343</i>	predicted gene, 22343 [Source:MGI Symbol;Acc:MGI:5452120]	-2.99	3.13E-02
<i>Olf1r172</i>	olfactory receptor 172 [Source:MGI Symbol;Acc:MGI:3030006]	-2.93	2.73E-02
<i>Gm23692</i>	predicted gene, 23692 [Source:MGI Symbol;Acc:MGI:5453469]	-2.88	1.36E-02
<i>Gm26064</i>	predicted gene, 26064 [Source:MGI Symbol;Acc:MGI:5455841]	-2.82	3.70E-05
<i>Wnt10a</i>	wingless-type MMTV integration site family, member 10A [Source:MGI Symbol;Acc:MGI:108071]	-2.68	1.49E-02
<i>Gm16998</i>	predicted gene, 16998 [Source:MGI Symbol;Acc:MGI:4439922]	-2.65	4.00E-03
<i>2500002B13Rik</i>	RIKEN cDNA 2500002B13 gene [Source:MGI Symbol;Acc:MGI:1925603]	-2.59	6.46E-03
<i>Gm12867</i>	predicted gene 12867 [Source:MGI Symbol;Acc:MGI:3651003]	-2.58	3.94E-03
<i>Rapgef4os3</i>	Rap guanine nucleotide exchange factor (GEF) 4, opposite strand 3 [Source:MGI Symbol;Acc:MGI:2442080]	-2.56	3.28E-03
<i>Gm17025</i>	predicted gene 17025 [Source:MGI Symbol;Acc:MGI:4937852]	-2.47	1.66E-02
<i>Gm16337</i>	predicted gene 16337 [Source:MGI Symbol;Acc:MGI:3840131]	-2.39	4.13E-02
<i>Ppfa4</i>	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4 [Source:MGI Symbol;Acc:MGI:1915757]	-2.37	2.31E-02
<i>Gm26606</i>	predicted gene, 26606 [Source:MGI Symbol;Acc:MGI:5477100]	-2.31	6.72E-03
<i>Sox10</i>	SRY (sex determining region Y)-box 10 [Source:MGI Symbol;Acc:MGI:98358]	-2.29	2.73E-02
<i>Dusp18</i>	dual specificity phosphatase 18 [Source:MGI Symbol;Acc:MGI:1922469]	-2.28	3.21E-02
<i>Gm14097</i>	predicted gene 14097 [Source:MGI Symbol;Acc:MGI:3651729]	-2.25	3.84E-02
<i>Ak5</i>	adenylate kinase 5 [Source:MGI Symbol;Acc:MGI:2677491]	-2.21	1.78E-02
<i>Gm13703</i>	predicted gene 13703 [Source:MGI Symbol;Acc:MGI:3651307]	-2.15	4.38E-02
<i>Gm14584</i>	predicted gene 14584 [Source:MGI Symbol;Acc:MGI:3705780]	-2.14	8.99E-03
<i>Ecm2</i>	extracellular matrix protein 2, female organ and adipocyte specific [Source:MGI Symbol;Acc:MGI:3039578]	-2.13	2.55E-02
<i>Plaur</i>	plasminogen activator, urokinase receptor [Source:MGI Symbol;Acc:MGI:97612]	-2.10	3.25E-02
<i>Gm24299</i>	predicted gene, 24299 [Source:MGI Symbol;Acc:MGI:5454076]	-2.01	3.05E-02
<i>Gm27022</i>	predicted gene, 27022 [Source:MGI Symbol;Acc:MGI:5504137]	-1.99	4.12E-02
<i>Gm17364</i>	predicted gene, 17364 [Source:MGI Symbol;Acc:MGI:4936998]	-1.97	2.39E-02
<i>Opn1sw</i>	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan) [Source:MGI Symbol;Acc:MGI:99438]	-1.95	2.05E-02
<i>Lipf2</i>	lipoyl(octanoyl) transferase 2 (putative) [Source:MGI Symbol;Acc:MGI:1914414]	-1.93	1.96E-02
<i>Gm14124</i>	predicted gene 14124 [Source:MGI Symbol;Acc:MGI:3652002]	-1.89	1.73E-02
<i>Gm22571</i>	predicted gene, 22571 [Source:MGI Symbol;Acc:MGI:5452348]	-1.86	8.33E-03
<i>Hemgn</i>	hemogen [Source:MGI Symbol;Acc:MGI:2136910]	-1.81	2.59E-02
<i>Gm27006</i>	predicted gene, 27006 [Source:MGI Symbol;Acc:MGI:5504121]	-1.80	3.51E-02
<i>Neurl2</i>	neuronalized-like 2 (Drosophila) [Source:MGI Symbol;Acc:MGI:3043305]	-1.79	4.04E-02
<i>Gm26830</i>	predicted gene, 26830 [Source:MGI Symbol;Acc:MGI:5477324]	-1.76	3.86E-02
<i>Tmem44</i>	transmembrane protein 44 [Source:MGI Symbol;Acc:MGI:1924489]	-1.74	7.23E-03
<i>Gm9776</i>	predicted gene 9776 [Source:MGI Symbol;Acc:MGI:3641792]	-1.72	1.30E-03
<i>Gm23458</i>	predicted gene, 23458 [Source:MGI Symbol;Acc:MGI:5453235]	-1.69	3.79E-02
<i>Npas1</i>	neuronal PAS domain protein 1 [Source:MGI Symbol;Acc:MGI:109205]	-1.63	3.71E-02
<i>Ppl</i>	periplakin [Source:MGI Symbol;Acc:MGI:1194898]	-1.60	4.01E-02
<i>Gm26809</i>	predicted gene, 26809 [Source:MGI Symbol;Acc:MGI:5477303]	-1.60	3.32E-02
<i>9130208D14Rik</i>	RIKEN cDNA 9130208D14 gene [Source:MGI Symbol;Acc:MGI:1924950]	-1.54	2.30E-02
<i>Gm9522</i>	predicted gene 9522 [Source:MGI Symbol;Acc:MGI:3779931]	-1.52	7.78E-03
<i>Zmynd10</i>	zinc finger, MYND domain containing 10 [Source:MGI Symbol;Acc:MGI:2387863]	-1.50	1.99E-02
<i>Cldn10</i>	claudin 10 [Source:MGI Symbol;Acc:MGI:1913101]	-1.49	3.98E-02

<i>Gm11946</i>	predicted gene 11946 [Source:MGI Symbol;Acc:MGI:3650071]	-1.49	4.57E-03
<i>mt-Tq</i>	mitochondrially encoded tRNA glutamine [Source:MGI Symbol;Acc:MGI:102477]	-1.48	1.32E-02
<i>Srsf12</i>	serine/arginine-rich splicing factor 12 [Source:MGI Symbol;Acc:MGI:2661424]	-1.46	1.51E-02
<i>Dapk1</i>	death associated protein kinase 1 [Source:MGI Symbol;Acc:MGI:1916885]	-1.46	3.87E-02
<i>Gm7120</i>	predicted gene 7120 [Source:MGI Symbol;Acc:MGI:3648543]	-1.44	3.84E-02
<i>Adhfe1</i>	alcohol dehydrogenase, iron containing, 1 [Source:MGI Symbol;Acc:MGI:1923437]	-1.41	4.43E-03
<i>Yam1</i>	YY1 associated myogenesis RNA 1 [Source:MGI Symbol;Acc:MGI:5504039]	-1.36	1.45E-02
<i>Trav16n</i>	T cell receptor alpha variable 16n [Source:MGI Symbol;Acc:MGI:4439761]	-1.36	4.40E-03
<i>Gm22275</i>	predicted gene, 22275 [Source:MGI Symbol;Acc:MGI:5452052]	-1.31	2.40E-02
<i>Dnase1l2</i>	deoxyribonuclease 1-like 2 [Source:MGI Symbol;Acc:MGI:1913955]	-1.30	2.60E-02
<i>Npff</i>	neuropeptide FF-amide peptide precursor [Source:MGI Symbol;Acc:MGI:1891708]	-1.28	3.63E-02
<i>Selp</i>	selectin, platelet [Source:MGI Symbol;Acc:MGI:98280]	-1.27	1.50E-03
<i>Gm16066</i>	predicted gene 16066 [Source:MGI Symbol;Acc:MGI:3801953]	-1.26	1.60E-02
<i>Gm12898</i>	predicted gene 12898 [Source:MGI Symbol;Acc:MGI:3650325]	-1.24	4.18E-02
<i>Drc1</i>	dynein regulatory complex subunit 1 [Source:MGI Symbol;Acc:MGI:2685906]	-1.24	9.00E-03
<i>Slc25a29</i>	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter), member 29 [Source:MGI Symbol;Acc:MGI:2444911]	-1.23	1.89E-04
<i>Snord68</i>	small nucleolar RNA, C/D box 68 [Source:MGI Symbol;Acc:MGI:3819550]	-1.20	4.60E-02
<i>Gstk1</i>	glutathione S-transferase kappa 1 [Source:MGI Symbol;Acc:MGI:1923513]	-1.20	1.57E-02
<i>Utp14b</i>	UTP14, U3 small nucleolar ribonucleoprotein, homolog B (yeast) [Source:MGI Symbol;Acc:MGI:2445092]	-1.18	9.56E-03
<i>Gdpd3</i>	glycerophosphodiester phosphodiesterase domain containing 3 [Source:MGI Symbol;Acc:MGI:1915866]	-1.17	4.11E-02
<i>Ovgp1</i>	oviductal glycoprotein 1 [Source:MGI Symbol;Acc:MGI:106661]	-1.15	3.60E-03
<i>Nlgn2</i>	neuroligin 2 [Source:MGI Symbol;Acc:MGI:2681835]	-1.14	4.59E-02
<i>4930481B07Rik</i>	RIKEN cDNA 4930481B07 gene [Source:MGI Symbol;Acc:MGI:1922187]	-1.14	1.58E-02
<i>Gm7799</i>	predicted gene 7799 [Source:MGI Symbol;Acc:MGI:3643378]	-1.13	4.86E-02
<i>Plxna1</i>	plexin A1 [Source:MGI Symbol;Acc:MGI:107685]	-1.13	2.30E-02
<i>Igfbp4</i>	insulin-like growth factor binding protein 4 [Source:MGI Symbol;Acc:MGI:96439]	-1.11	1.00E-02
<i>Trav8-2</i>	T-cell receptor alpha variable 8-2 [Source:MGI Symbol;Acc:MGI:3650859]	-1.10	9.15E-03
<i>Fbxo17</i>	F-box protein 17 [Source:MGI Symbol;Acc:MGI:1354707]	-1.08	4.07E-02
<i>Cttna1</i>	catenin (cadherin associated protein), alpha-like 1 [Source:MGI Symbol;Acc:MGI:1859649]	-1.07	8.04E-03
<i>Zfp608</i>	zinc finger protein 608 [Source:MGI Symbol;Acc:MGI:2442338]	-1.07	1.46E-02
<i>Nexn</i>	nexilin [Source:MGI Symbol;Acc:MGI:1916060]	-1.06	1.56E-02
<i>Gm26931</i>	predicted gene, 26931 [Source:MGI Symbol;Acc:MGI:5504046]	-1.06	3.73E-02
<i>Jam2</i>	junction adhesion molecule 2 [Source:MGI Symbol;Acc:MGI:1933820]	-1.06	3.74E-04
<i>Myh7b</i>	myosin, heavy chain 7B, cardiac muscle, beta [Source:MGI Symbol;Acc:MGI:3710243]	-1.05	3.88E-04
<i>Gm6297</i>	predicted gene 6297 [Source:MGI Symbol;Acc:MGI:3779584]	-1.03	3.40E-02
<i>Exog</i>	endo/exonuclease (5'-3'), endonuclease G-like [Source:MGI Symbol;Acc:MGI:2143333]	-1.03	4.63E-02
<i>Npb</i>	neuropeptide B [Source:MGI Symbol;Acc:MGI:2387153]	-1.02	5.00E-02
<i>Tmem91</i>	transmembrane protein 91 [Source:MGI Symbol;Acc:MGI:2443589]	-1.01	3.09E-02
<i>Plekhh1</i>	pleckstrin homology domain containing, family B (evectins) member 1 [Source:MGI Symbol;Acc:MGI:1351469]	-1.01	2.74E-03
<i>Atp6v0d2</i>	ATPase, H ⁺ transporting, lysosomal V0 subunit D2 [Source:MGI Symbol;Acc:MGI:1924415]	1.00	7.43E-03
<i>Pnk1</i>	paroxysmal nonkinesigenic dyskinesia [Source:MGI Symbol;Acc:MGI:1930773]	1.01	1.16E-02
<i>Egr3</i>	early growth response 3 [Source:MGI Symbol;Acc:MGI:1306780]	1.01	3.14E-02
<i>Aurka</i>	aurora kinase A [Source:MGI Symbol;Acc:MGI:894678]	1.01	6.05E-03
<i>Lmtk3</i>	lemur tyrosine kinase 3 [Source:MGI Symbol;Acc:MGI:3039582]	1.02	1.29E-02
<i>Dkk1</i>	dickkopf-like 1 [Source:MGI Symbol;Acc:MGI:1354963]	1.02	2.16E-02
<i>Serpina3f</i>	serine (or cysteine) peptidase inhibitor, clade A, member 3F [Source:MGI Symbol;Acc:MGI:2182838]	1.06	9.85E-03
<i>A630091E08Rik</i>	RIKEN cDNA A630091E08 gene [Source:MGI Symbol;Acc:MGI:2442837]	1.06	1.50E-02
<i>Il3ra</i>	interleukin 3 receptor, alpha chain [Source:MGI Symbol;Acc:MGI:96553]	1.07	3.90E-02
<i>Tstd3</i>	thiosulfate sulfurtransferase (rhodanese)-like domain containing 3 [Source:MGI Symbol;Acc:MGI:1924282]	1.07	9.38E-04
<i>Nrbf2</i>	nuclear receptor binding factor 2 [Source:MGI Symbol;Acc:MGI:1354950]	1.08	1.80E-02
<i>Serpinc1</i>	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1 [Source:MGI Symbol;Acc:MGI:88095]	1.09	3.65E-02
<i>Lgals3</i>	lectin, galactose binding, soluble 3 [Source:MGI Symbol;Acc:MGI:96778]	1.10	1.04E-02
<i>Gpr15</i>	G protein-coupled receptor 15 [Source:MGI Symbol;Acc:MGI:1918473]	1.10	8.37E-03
<i>Gm24757</i>	predicted gene, 24757 [Source:MGI Symbol;Acc:MGI:5454534]	1.11	1.96E-02
<i>Lmntd2</i>	lamin tail domain containing 2 [Source:MGI Symbol;Acc:MGI:1919250]	1.11	4.26E-02
<i>1810034E14Rik</i>	RIKEN cDNA 1810034E14 gene [Source:MGI Symbol;Acc:MGI:1913753]	1.11	4.92E-02

<i>Hist1h4k</i>	histone cluster 1, H4k [Source:MGI Symbol;Acc:MGI:2448439]	1.11	3.67E-02
<i>Gm26035</i>	predicted gene, 26035 [Source:MGI Symbol;Acc:MGI:5455812]	1.11	5.29E-03
<i>Pqlc1</i>	PQ loop repeat containing 1 [Source:MGI Symbol;Acc:MGI:1914193]	1.11	3.96E-02
<i>Cpne5</i>	copine V [Source:MGI Symbol;Acc:MGI:2385908]	1.11	2.16E-02
<i>Rhob</i>	ras homolog gene family, member B [Source:MGI Symbol;Acc:MGI:107949]	1.12	1.89E-02
<i>Tg</i>	thyroglobulin [Source:MGI Symbol;Acc:MGI:98733]	1.12	7.43E-03
<i>Gm15444</i>	predicted gene 15444 [Source:MGI Symbol;Acc:MGI:3705796]	1.13	3.23E-02
<i>Gm26592</i>	predicted gene, 26592 [Source:MGI Symbol;Acc:MGI:5477086]	1.14	3.51E-02
<i>Mkl</i>	mixed lineage kinase domain-like [Source:MGI Symbol;Acc:MGI:1921818]	1.15	4.33E-02
<i>Mroh2a</i>	maestro heat-like repeat family member 2A [Source:MGI Symbol;Acc:MGI:3705228]	1.16	2.36E-02
<i>Gm17206</i>	predicted gene 17206 [Source:MGI Symbol;Acc:MGI:4938033]	1.16	2.28E-02
<i>Gm16174</i>	predicted gene 16174 [Source:MGI Symbol;Acc:MGI:3801857]	1.16	1.05E-02
<i>Sccpdh</i>	saccharopine dehydrogenase (putative) [Source:MGI Symbol;Acc:MGI:1924486]	1.17	1.84E-02
<i>Hist1h4f</i>	histone cluster 1, H4f [Source:MGI Symbol;Acc:MGI:2448425]	1.17	3.87E-02
<i>Plekhg3</i>	pleckstrin homology domain containing, family G (with RhoGef domain) member 3 [Source:MGI Symbol;Acc:MGI:2388284]	1.17	3.48E-02
<i>Gm11491</i>	predicted gene 11491 [Source:MGI Symbol;Acc:MGI:3651138]	1.17	3.97E-02
<i>Ube26</i>	ubiquitin-conjugating enzyme E2L 6 [Source:MGI Symbol;Acc:MGI:1914500]	1.19	9.12E-03
<i>Ms4a6d</i>	membrane-spanning 4-domains, subfamily A, member 6D [Source:MGI Symbol;Acc:MGI:1916024]	1.19	2.03E-02
<i>Igf2bp3</i>	insulin-like growth factor 2 mRNA binding protein 3 [Source:MGI Symbol;Acc:MGI:1890359]	1.20	2.63E-02
<i>Gm20507</i>	predicted gene 20507 [Source:MGI Symbol;Acc:MGI:5141972]	1.21	2.55E-02
<i>Hist1h4c</i>	histone cluster 1, H4c [Source:MGI Symbol;Acc:MGI:2448421]	1.21	3.55E-02
<i>Slc7a10</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 10 [Source:MGI Symbol;Acc:MGI:1858261]	1.21	3.51E-03
<i>Rel1</i>	RELT-like 1 [Source:MGI Symbol;Acc:MGI:2140767]	1.21	3.00E-03
<i>Egl-3</i>	egl-9 family hypoxia-inducible factor 3 [Source:MGI Symbol;Acc:MGI:1932288]	1.21	3.57E-02
<i>Nid2</i>	nidogen 2 [Source:MGI Symbol;Acc:MGI:1298229]	1.22	2.43E-02
<i>Sirpa</i>	signal-regulatory protein alpha [Source:MGI Symbol;Acc:MGI:108563]	1.22	4.94E-02
<i>Il10</i>	interleukin 10 [Source:MGI Symbol;Acc:MGI:96537]	1.22	1.64E-02
<i>Ttc16</i>	tetratricopeptide repeat domain 16 [Source:MGI Symbol;Acc:MGI:2443048]	1.23	5.85E-04
<i>Gadd45a</i>	growth arrest and DNA-damage-inducible 45 alpha [Source:MGI Symbol;Acc:MGI:107799]	1.23	1.99E-02
<i>Lilrb4</i>	leukocyte immunoglobulin-like receptor, subfamily B, member 4 [Source:MGI Symbol;Acc:MGI:102701]	1.24	4.44E-03
<i>Zfp300</i>	zinc finger protein 300 [Source:MGI Symbol;Acc:MGI:3045326]	1.24	3.66E-02
<i>Penk</i>	preproenkephalin [Source:MGI Symbol;Acc:MGI:104629]	1.26	2.00E-03
<i>Artdc4</i>	arrestin domain containing 4 [Source:MGI Symbol;Acc:MGI:1913662]	1.28	3.72E-02
<i>4930558J18Rik</i>	RIKEN cDNA 4930558J18 gene [Source:MGI Symbol;Acc:MGI:1922573]	1.28	3.92E-02
<i>Brf2</i>	BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like [Source:MGI Symbol;Acc:MGI:1913903]	1.28	8.00E-03
<i>Trav4-4-dv10</i>	T cell receptor alpha variable 4-4-DV10 [Source:MGI Symbol;Acc:MGI:3702138]	1.30	3.69E-02
<i>Fam212b</i>	family with sequence similarity 212, member B [Source:MGI Symbol;Acc:MGI:1923497]	1.30	2.35E-02
<i>9230104M06Rik</i>	RIKEN cDNA 9230104M06 gene [Source:MGI Symbol;Acc:MGI:3642845]	1.31	2.17E-03
<i>1700066B19Rik</i>	RIKEN cDNA 1700066B19 gene [Source:MGI Symbol;Acc:MGI:1920699]	1.31	4.33E-02
<i>Ly6g5b</i>	lymphocyte antigen 6 complex, locus G5B [Source:MGI Symbol;Acc:MGI:2385809]	1.31	4.42E-02
<i>Fam160a1</i>	family with sequence similarity 160, member A1 [Source:MGI Symbol;Acc:MGI:2444746]	1.32	1.18E-02
<i>A530040E14Rik</i>	RIKEN cDNA A530040E14 gene [Source:MGI Symbol;Acc:MGI:3612703]	1.32	1.02E-02
<i>Coq7</i>	demethyl-Q 7 [Source:MGI Symbol;Acc:MGI:107207]	1.32	1.99E-02
<i>Prkra</i>	protein kinase, interferon inducible double stranded RNA dependent activator [Source:MGI Symbol;Acc:MGI:1344375]	1.32	8.40E-03
<i>Cd302</i>	CD302 antigen [Source:MGI Symbol;Acc:MGI:1913455]	1.33	4.63E-02
<i>Soat2</i>	sterol O-acyltransferase 2 [Source:MGI Symbol;Acc:MGI:1332226]	1.33	5.15E-03
<i>Gm5812</i>	predicted gene 5812 [Source:MGI Symbol;Acc:MGI:3644887]	1.35	3.08E-02
<i>Repin1</i>	replication initiator 1 [Source:MGI Symbol;Acc:MGI:1889817]	1.36	2.54E-03
<i>Cnr1p1</i>	cannabinoid receptor interacting protein 1 [Source:MGI Symbol;Acc:MGI:1917505]	1.37	4.28E-02
<i>9130019P16Rik</i>	RIKEN cDNA 9130019P16 gene [Source:MGI Symbol;Acc:MGI:1918824]	1.37	2.70E-02
<i>Pparg</i>	peroxisome proliferator activated receptor gamma [Source:MGI Symbol;Acc:MGI:97747]	1.37	2.84E-02
<i>Marvel2</i>	MARVEL (membrane-associating) domain containing 2 [Source:MGI Symbol;Acc:MGI:2446166]	1.38	2.94E-03
<i>Txlnb</i>	taxilin beta [Source:MGI Symbol;Acc:MGI:2671945]	1.38	4.97E-02
<i>Gm22973</i>	predicted gene, 22973 [Source:MGI Symbol;Acc:MGI:5452750]	1.40	3.73E-02
<i>Gm16125</i>	predicted gene 16125 [Source:MGI Symbol;Acc:MGI:3802000]	1.40	4.74E-02
<i>Ccl5</i>	chemokine (C-C motif) ligand 5 [Source:MGI Symbol;Acc:MGI:98262]	1.42	3.27E-02

AA414768	expressed sequence AA414768 [Source:MGI Symbol;Acc:MGI:3035137]		1.42	3.58E-02
E130102H24Rik	RIKEN cDNA E130102H24 gene [Source:MGI Symbol;Acc:MGI:1925116]		1.43	3.40E-02
Phox2a	paired-like homeobox 2a [Source:MGI Symbol;Acc:MGI:106633]		1.43	2.83E-02
Cutc	cutC copper transporter homolog (E.coli) [Source:MGI Symbol;Acc:MGI:1913638]		1.43	3.67E-02
Extl1	exostosins (multiple)-like 1 [Source:MGI Symbol;Acc:MGI:1888742]		1.43	8.88E-03
Themis2	thymocyte selection associated family member 2 [Source:MGI Symbol;Acc:MGI:2446213]		1.43	3.03E-02
Gm13032	predicted gene 13032 [Source:MGI Symbol;Acc:MGI:3702685]		1.45	3.04E-02
Gm12504	predicted pseudogene 12504 [Source:MGI Symbol;Acc:MGI:3651567]		1.46	2.06E-02
Kcna2	potassium voltage-gated channel, shaker-related subfamily, member 2 [Source:MGI Symbol;Acc:MGI:96659]		1.46	8.24E-03
Fam221a	family with sequence similarity 221, member A [Source:MGI Symbol;Acc:MGI:2442161]		1.47	1.59E-02
Gm26702	predicted gene, 26702 [Source:MGI Symbol;Acc:MGI:5477196]		1.48	3.76E-02
Pkn3	protein kinase N3 [Source:MGI Symbol;Acc:MGI:2388285]		1.48	1.53E-03
Fam174b	family with sequence similarity 174, member B [Source:MGI Symbol;Acc:MGI:3698178]		1.48	4.64E-02
Gm996	predicted gene 996 [Source:MGI Symbol;Acc:MGI:2685842]		1.49	3.64E-02
Hint2	histidine triad nucleotide binding protein 2 [Source:MGI Symbol;Acc:MGI:1916167]		1.50	2.04E-03
Apbb1	amyloid beta (A4) precursor protein-binding, family B, member 1 [Source:MGI Symbol;Acc:MGI:107765]		1.50	6.19E-03
Fam81a	family with sequence similarity 81, member A [Source:MGI Symbol;Acc:MGI:1924136]		1.51	2.65E-02
Gab3	growth factor receptor bound protein 2-associated protein 3 [Source:MGI Symbol;Acc:MGI:2387324]		1.52	8.83E-03
Noxo1	NADPH oxidase organizer 1 [Source:MGI Symbol;Acc:MGI:1919143]		1.54	6.35E-03
Emilin2	elastin microfibril interfacier 2 [Source:MGI Symbol;Acc:MGI:2389136]		1.54	3.06E-02
Oasl2	2'-5' oligoadenylate synthetase-like 2 [Source:MGI Symbol;Acc:MGI:1344390]		1.54	1.30E-02
Cnih2	cornichon homolog 2 (Drosophila) [Source:MGI Symbol;Acc:MGI:1277225]		1.55	3.24E-02
Pglyrp1	peptidoglycan recognition protein 1 [Source:MGI Symbol;Acc:MGI:1345092]		1.56	3.87E-02
Pad1	peptidyl arginine deiminase, type I [Source:MGI Symbol;Acc:MGI:1338893]		1.57	4.72E-02
Ajuba	ajuba LIM protein [Source:MGI Symbol;Acc:MGI:1341886]		1.58	4.37E-02
Igfbp7	insulin-like growth factor binding protein 7 [Source:MGI Symbol;Acc:MGI:1352480]		1.58	3.73E-02
Gm12743	predicted gene 12743 [Source:MGI Symbol;Acc:MGI:3651449]		1.60	2.72E-03
Traj48	T cell receptor alpha joining 48 [Source:MGI Symbol;Acc:MGI:4439847]		1.61	1.19E-02
Mrpl23	mitochondrial ribosomal protein L23 [Source:MGI Symbol;Acc:MGI:1196612]		1.61	9.06E-03
Gm12517	predicted gene 12517 [Source:MGI Symbol;Acc:MGI:3649535]		1.62	1.63E-02
Tkt1	transketolase-like 1 [Source:MGI Symbol;Acc:MGI:1933244]		1.65	5.17E-03
Gm14455	predicted gene 14455 [Source:MGI Symbol;Acc:MGI:3711286]		1.65	2.57E-02
Map2	microtubule-associated protein 2 [Source:MGI Symbol;Acc:MGI:97175]		1.65	4.22E-02
Cxcl16	chemokine (C-X-C motif) ligand 16 [Source:MGI Symbol;Acc:MGI:1932682]		1.68	4.42E-02
Lipo1	lipase, member O1 [Source:MGI Symbol;Acc:MGI:2147592]		1.68	2.04E-02
Scn11a	sodium channel, voltage-gated, type XI, alpha [Source:MGI Symbol;Acc:MGI:1345149]		1.68	3.64E-02
Smpd13b	sphingomyelin phosphodiesterase, acid-like 3B [Source:MGI Symbol;Acc:MGI:1916022]		1.69	1.56E-02
Lrrd1	leucine rich repeats and death domain containing 1 [Source:MGI Symbol;Acc:MGI:3045299]		1.71	3.31E-02
Gm15455	predicted gene 15455 [Source:MGI Symbol;Acc:MGI:3705563]		1.77	4.19E-02
1700048O20Rik	RIKEN cDNA 1700048O20 gene [Source:MGI Symbol;Acc:MGI:1920637]		1.79	4.79E-02
Serpinf1	serine (or cysteine) peptidase inhibitor, clade F, member 1 [Source:MGI Symbol;Acc:MGI:108080]		1.79	4.55E-02
Cxx1c	CAAX box 1C [Source:MGI Symbol;Acc:MGI:1920115]		1.81	2.91E-02
2310010J17Rik	RIKEN cDNA 2310010J17 gene [Source:MGI Symbol;Acc:MGI:1925579]		1.83	2.10E-02
Faddos	Fas (TNFRSF6)-associated via death domain, opposite strand [Source:MGI Symbol;Acc:MGI:3642460]		1.83	4.89E-03
Sord	sorbitol dehydrogenase [Source:MGI Symbol;Acc:MGI:98266]		1.84	2.58E-03
Stxbp1	syntaxin binding protein 1 [Source:MGI Symbol;Acc:MGI:107363]		1.84	4.71E-02
Rad51c	RAD51 homolog C [Source:MGI Symbol;Acc:MGI:2150020]		1.85	3.76E-02
Gm22748	predicted gene, 22748 [Source:MGI Symbol;Acc:MGI:5452525]		1.89	1.84E-02
Rps23	ribosomal protein S23 [Source:MGI Symbol;Acc:MGI:1913725]		1.91	2.11E-02
Gm14176	predicted gene 14176 [Source:MGI Symbol;Acc:MGI:3650021]		1.93	3.21E-02
Ptafr	platelet-activating factor receptor [Source:MGI Symbol;Acc:MGI:106066]		1.94	1.07E-02
Pgpep1	pyroglutamyl-peptidase I [Source:MGI Symbol;Acc:MGI:1913772]		1.94	2.86E-02
Gm13776	predicted gene 13776 [Source:MGI Symbol;Acc:MGI:3650154]		1.97	9.80E-03
Gm11223	predicted gene 11223 [Source:MGI Symbol;Acc:MGI:3651631]		1.97	5.56E-05
Gm13216	predicted gene 13216 [Source:MGI Symbol;Acc:MGI:3651709]		1.98	3.77E-02
A830005F24Rik	RIKEN cDNA A830005F24 gene [Source:MGI Symbol;Acc:MGI:3045249]		1.98	1.34E-02

<i>Gm13680</i>	predicted gene 13680 [Source:MGI Symbol;Acc:MGI:3652285]	1.98	3.61E-02
<i>Mcc</i>	mutated in colorectal cancers [Source:MGI Symbol;Acc:MGI:96930]	2.00	2.29E-02
<i>H2-DMb2</i>	histocompatibility 2, class II, locus Mb2 [Source:MGI Symbol;Acc:MGI:95923]	2.01	1.86E-02
<i>Gm16702</i>	predicted gene, 16702 [Source:MGI Symbol;Acc:MGI:4439626]	2.01	9.54E-03
<i>Nqo1</i>	NAD(P)H dehydrogenase, quinone 1 [Source:MGI Symbol;Acc:MGI:103187]	2.01	3.79E-02
<i>Gm13561</i>	predicted gene 13561 [Source:MGI Symbol;Acc:MGI:3651674]	2.03	2.00E-02
<i>2210011C24Rik</i>	RIKEN cDNA 2210011C24 gene [Source:MGI Symbol;Acc:MGI:1917384]	2.04	2.99E-02
<i>Zfp69</i>	zinc finger protein 69 [Source:MGI Symbol;Acc:MGI:107794]	2.06	1.31E-02
<i>Thns12</i>	threonine synthase-like 2 (bacterial) [Source:MGI Symbol;Acc:MGI:3041254]	2.06	2.26E-02
<i>Clip3</i>	CAP-GLY domain containing linker protein 3 [Source:MGI Symbol;Acc:MGI:1923936]	2.06	4.68E-02
<i>Pdzd7</i>	PDZ domain containing 7 [Source:MGI Symbol;Acc:MGI:3608325]	2.07	8.51E-03
<i>Gm9958</i>	predicted gene 9958 [Source:MGI Symbol;Acc:MGI:3641866]	2.08	3.50E-02
<i>Gm11531</i>	predicted gene 11531 [Source:MGI Symbol;Acc:MGI:3650260]	2.08	7.93E-04
<i>Gm24134</i>	predicted gene, 24134 [Source:MGI Symbol;Acc:MGI:5453911]	2.13	2.17E-02
<i>Gm6158</i>	predicted gene 6158 [Source:MGI Symbol;Acc:MGI:3779562]	2.13	3.41E-02
<i>Ankmy1</i>	ankyrin repeat and MYND domain containing 1 [Source:MGI Symbol;Acc:MGI:3045261]	2.15	4.99E-02
<i>Rab11fip5</i>	RAB11 family interacting protein 5 (class I) [Source:MGI Symbol;Acc:MGI:1098586]	2.16	1.44E-03
<i>A830012C17Rik</i>	RIKEN cDNA A830012C17 gene [Source:MGI Symbol;Acc:MGI:2441830]	2.16	2.49E-02
<i>Gp49a</i>	glycoprotein 49 A [Source:MGI Symbol;Acc:MGI:102702]	2.18	1.28E-02
<i>Tbc1d9</i>	TBC1 domain family, member 9 [Source:MGI Symbol;Acc:MGI:1918560]	2.21	3.77E-02
<i>Gm25744</i>	predicted gene, 25744 [Source:MGI Symbol;Acc:MGI:5455521]	2.21	1.89E-03
<i>Tuba8</i>	tubulin, alpha 8 [Source:MGI Symbol;Acc:MGI:1858225]	2.22	2.46E-02
<i>C3</i>	complement component 3 [Source:MGI Symbol;Acc:MGI:88227]	2.23	2.94E-02
<i>Ttl11</i>	tubulin tyrosine ligase-like family, member 11 [Source:MGI Symbol;Acc:MGI:1921660]	2.24	3.57E-02
<i>Firre</i>	functional intergenic repeating RNA element [Source:MGI Symbol;Acc:MGI:2147989]	2.29	1.81E-02
<i>Hyal3</i>	hyaluronoglucosaminidase 3 [Source:MGI Symbol;Acc:MGI:1330288]	2.31	1.06E-02
<i>Cfap53</i>	cilia and flagella associated protein 53 [Source:MGI Symbol;Acc:MGI:1921703]	2.32	3.77E-02
<i>Dnah9</i>	dynein, axonemal, heavy chain 9 [Source:MGI Symbol;Acc:MGI:1289279]	2.34	4.85E-02
<i>Ifftm3</i>	interferon induced transmembrane protein 3 [Source:MGI Symbol;Acc:MGI:1913391]	2.35	1.98E-02
<i>B9d1</i>	B9 protein domain 1 [Source:MGI Symbol;Acc:MGI:1351471]	2.35	5.75E-03
<i>Fibcd1</i>	fibrinogen C domain containing 1 [Source:MGI Symbol;Acc:MGI:2138953]	2.36	2.17E-02
<i>Zfp112</i>	zinc finger protein 112 [Source:MGI Symbol;Acc:MGI:1929115]	2.36	4.78E-03
<i>Col27a1</i>	collagen, type XXVII, alpha 1 [Source:MGI Symbol;Acc:MGI:2672118]	2.37	4.63E-03
<i>Pycr1</i>	pyrroline-5-carboxylate reductase 1 [Source:MGI Symbol;Acc:MGI:2384795]	2.37	1.62E-02
<i>Mnda</i>	myeloid cell nuclear differentiation antigen [Source:MGI Symbol;Acc:MGI:3041120]	2.38	2.60E-02
<i>1700007J10Rik</i>	RIKEN cDNA 1700007J10 gene [Source:MGI Symbol;Acc:MGI:1916570]	2.40	3.60E-02
<i>Dnajc12</i>	DnaJ (Hsp40) homolog, subfamily C, member 12 [Source:MGI Symbol;Acc:MGI:1353428]	2.42	1.79E-02
<i>Ccr1</i>	chemokine (C-C motif) receptor 1 [Source:MGI Symbol;Acc:MGI:104618]	2.44	9.25E-03
<i>Rdh1</i>	retinol dehydrogenase 1 (all trans) [Source:MGI Symbol;Acc:MGI:1195275]	2.46	3.46E-02
<i>Ltbp4</i>	latent transforming growth factor beta binding protein 4 [Source:MGI Symbol;Acc:MGI:1321395]	2.46	2.74E-02
<i>5430427O19Rik</i>	RIKEN cDNA 5430427O19 gene [Source:MGI Symbol;Acc:MGI:1918648]	2.47	2.80E-02
<i>Gm26534</i>	predicted gene, 26534 [Source:MGI Symbol;Acc:MGI:5477028]	2.53	3.61E-02
<i>Syce1l</i>	synaptonemal complex central element protein 1 like [Source:MGI Symbol;Acc:MGI:1922247]	2.53	1.31E-02
<i>Ninl</i>	ninein-like [Source:MGI Symbol;Acc:MGI:1925427]	2.53	2.12E-02
<i>Nlrp1a</i>	NLR family, pyrin domain containing 1A [Source:MGI Symbol;Acc:MGI:2684861]	2.53	3.53E-02
<i>Grin2d</i>	glutamate receptor, ionotropic, NMDA2D (epsilon 4) [Source:MGI Symbol;Acc:MGI:95823]	2.64	6.35E-03
<i>Zscan18</i>	zinc finger and SCAN domain containing 18 [Source:MGI Symbol;Acc:MGI:3643810]	2.76	3.84E-02
<i>A630081J09Rik</i>	RIKEN cDNA A630081J09 gene [Source:MGI Symbol;Acc:MGI:3588263]	2.82	1.71E-02
<i>4932702P03Rik</i>	RIKEN cDNA 4932702P03 gene [Source:MGI Symbol;Acc:MGI:1921673]	2.83	7.49E-03
<i>Snord49b</i>	small nucleolar RNA, C/D box 49B [Source:MGI Symbol;Acc:MGI:3819539]	2.85	9.87E-05
<i>Ramp3</i>	receptor (calcitonin) activity modifying protein 3 [Source:MGI Symbol;Acc:MGI:1860292]	2.88	1.19E-02
<i>D630029K05Rik</i>	RIKEN cDNA D630029K05 gene [Source:MGI Symbol;Acc:MGI:2143561]	2.88	8.55E-03
<i>Nmrk2</i>	nicotinamide riboside kinase 2 [Source:MGI Symbol;Acc:MGI:1916814]	2.93	4.68E-02
<i>Gm17207</i>	predicted gene 17207 [Source:MGI Symbol;Acc:MGI:4938034]	2.93	1.15E-02
<i>Gm5533</i>	predicted gene 5533 [Source:MGI Symbol;Acc:MGI:3647595]	2.94	4.82E-03
<i>Fam213b</i>	family with sequence similarity 213, member B [Source:MGI Symbol;Acc:MGI:1913719]	2.95	6.79E-03

<i>Tmem51</i>	transmembrane protein 51 [Source:MGI Symbol;Acc:MGI:2384874]	2.97	3.63E-02
<i>2210408121Rik</i>	RIKEN cDNA 2210408121 gene [Source:MGI Symbol;Acc:MGI:1919621]	2.97	8.34E-03
<i>Cdh15</i>	cadherin 15 [Source:MGI Symbol;Acc:MGI:106672]	3.00	4.74E-02
<i>Fgfbp3</i>	fibroblast growth factor binding protein 3 [Source:MGI Symbol;Acc:MGI:1919764]	3.01	8.42E-03
<i>Apol9a</i>	apolipoprotein L 9a [Source:MGI Symbol;Acc:MGI:3606001]	3.03	2.58E-02
<i>Tmem17</i>	transmembrane protein 17 [Source:MGI Symbol;Acc:MGI:2144205]	3.04	1.91E-02
<i>Fam3b</i>	family with sequence similarity 3, member B [Source:MGI Symbol;Acc:MGI:1270150]	3.07	3.68E-02
<i>Chn1os3</i>	chimerin 1, opposite strand 3 [Source:MGI Symbol;Acc:MGI:3705094]	3.19	4.60E-02
<i>BC100451</i>	cDNA sequence BC100451 [Source:MGI Symbol;Acc:MGI:1929713]	3.21	3.74E-02
<i>Trav7d-4</i>	T cell receptor alpha variable 7D-4 [Source:MGI Symbol;Acc:MGI:3651273]	3.31	2.01E-02
<i>Gm14320</i>	predicted gene 14320 [Source:MGI Symbol;Acc:MGI:3649455]	3.32	2.59E-02
<i>Gm25767</i>	predicted gene, 25767 [Source:MGI Symbol;Acc:MGI:5455544]	3.32	2.72E-02
<i>Gm11839</i>	predicted gene 11839 [Source:MGI Symbol;Acc:MGI:3651162]	3.37	3.24E-02
<i>Tmprss11e</i>	transmembrane protease, serine 11e [Source:MGI Symbol;Acc:MGI:3513175]	3.39	1.01E-02
<i>Kcnj10</i>	potassium inwardly-rectifying channel, subfamily J, member 10 [Source:MGI Symbol;Acc:MGI:1194504]	3.39	4.42E-02
<i>Lctf</i>	lactase-like [Source:MGI Symbol;Acc:MGI:2183549]	3.44	3.52E-03
<i>Srp54b</i>	signal recognition particle 54B [Source:MGI Symbol;Acc:MGI:3714357]	3.45	9.58E-03
<i>Mrv1</i>	MRV integration site 1 [Source:MGI Symbol;Acc:MGI:1338023]	3.45	7.78E-03
<i>1700055D18Rik</i>	RIKEN cDNA 1700055D18 gene [Source:MGI Symbol;Acc:MGI:1920655]	3.48	5.63E-03
<i>Ugt1a6a</i>	UDP glucuronosyltransferase 1 family, polypeptide A6A [Source:MGI Symbol;Acc:MGI:2137698]	3.49	2.40E-02
<i>Gm22504</i>	predicted gene, 22504 [Source:MGI Symbol;Acc:MGI:5452281]	3.59	4.05E-02
<i>2900041M22Rik</i>	RIKEN cDNA 2900041M22 gene [Source:MGI Symbol;Acc:MGI:1925653]	3.63	8.76E-03
<i>Gm26347</i>	predicted gene, 26347 [Source:MGI Symbol;Acc:MGI:5456124]	3.64	2.87E-03
<i>Gm22516</i>	predicted gene, 22516 [Source:MGI Symbol;Acc:MGI:5452293]	3.67	3.14E-02
<i>Chn1</i>	chimerin 1 [Source:MGI Symbol;Acc:MGI:1915674]	3.68	4.02E-02
<i>Cntn2</i>	contactin 2 [Source:MGI Symbol;Acc:MGI:104518]	3.69	7.75E-03
<i>Rcn3</i>	reticulocalbin 3, EF-hand calcium binding domain [Source:MGI Symbol;Acc:MGI:1277122]	3.69	2.29E-03
<i>Gm26521</i>	predicted gene, 26521 [Source:MGI Symbol;Acc:MGI:5477015]	3.72	2.05E-02
<i>Trav13-4-dv7</i>	T cell receptor alpha variable 13-4-DV7 [Source:MGI Symbol;Acc:MGI:3702151]	3.78	4.13E-03
<i>Gm5939</i>	predicted pseudogene 5939 [Source:MGI Symbol;Acc:MGI:3648845]	3.78	1.08E-02
<i>Traj54</i>	T cell receptor alpha joining 54 [Source:MGI Symbol;Acc:MGI:4937113]	3.83	2.75E-02
<i>March1</i>	membrane-associated ring finger (C3HC4) 1 [Source:MGI Symbol;Acc:MGI:1920175]	3.88	2.14E-02
<i>Slc46a1</i>	solute carrier family 46, member 1 [Source:MGI Symbol;Acc:MGI:1098733]	3.91	1.20E-02
<i>Arhgap33</i>	Rho GTPase activating protein 33 [Source:MGI Symbol;Acc:MGI:2673998]	3.97	3.63E-04
<i>Lpin3</i>	lipin 3 [Source:MGI Symbol;Acc:MGI:1891342]	3.97	6.40E-04
<i>Adamts17</i>	a disintegrin-like and metallopeptidase (repolysin type) with thrombospondin type 1 motif, 17 [Source:MGI Symbol;Acc:MGI:3588195]	4.04	2.24E-02
<i>Rgs8</i>	regulator of G-protein signaling 8 [Source:MGI Symbol;Acc:MGI:108408]	4.06	1.44E-02
<i>Stab2</i>	stabilin 2 [Source:MGI Symbol;Acc:MGI:2178743]	4.09	2.45E-02
<i>Gm13940</i>	predicted gene 13940 [Source:MGI Symbol;Acc:MGI:3650117]	4.16	4.20E-02
<i>Mir5107</i>	microRNA 5107 [Source:MGI Symbol;Acc:MGI:4950427]	4.16	1.69E-03
<i>Snai3</i>	snail family zinc finger 3 [Source:MGI Symbol;Acc:MGI:1353563]	4.18	4.80E-03
<i>Gzma</i>	granzyme A [Source:MGI Symbol;Acc:MGI:109266]	4.24	1.81E-02
<i>Dnal1</i>	dynein, axonemal, light chain 1 [Source:MGI Symbol;Acc:MGI:1921462]	4.26	2.18E-03
<i>Snord52</i>	small nucleolar RNA, C/D box 52 [Source:MGI Symbol;Acc:MGI:3819541]	4.35	1.68E-02
<i>Zmynd15</i>	zinc finger, MYND-type containing 15 [Source:MGI Symbol;Acc:MGI:3603821]	4.36	4.85E-02
<i>Gm17538</i>	predicted gene, 17538 [Source:MGI Symbol;Acc:MGI:4937172]	4.51	4.66E-02
<i>Gm15466</i>	predicted gene 15466 [Source:MGI Symbol;Acc:MGI:3705491]	4.57	4.79E-02
<i>Vwa1</i>	von Willebrand factor A domain containing 1 [Source:MGI Symbol;Acc:MGI:2179729]	4.59	3.46E-02
<i>Gm22596</i>	predicted gene, 22596 [Source:MGI Symbol;Acc:MGI:5452373]	4.68	5.71E-03
<i>Nbea</i>	neurobeachin [Source:MGI Symbol;Acc:MGI:1347075]	4.70	1.08E-03
<i>Slc24a1</i>	solute carrier family 24 (sodium/potassium/calcium exchanger), member 1 [Source:MGI Symbol;Acc:MGI:2384871]	4.75	3.64E-03
<i>A930016O22Rik</i>	RIKEN cDNA A930016O22 gene [Source:MGI Symbol;Acc:MGI:3605623]	4.87	4.65E-02
<i>1700041G16Rik</i>	RIKEN cDNA 1700041G16 gene [Source:MGI Symbol;Acc:MGI:1920549]	4.98	3.05E-02
<i>Wsb2-ps</i>	WD repeat and SOCS box-containing 2, pseudogene [Source:MGI Symbol;Acc:MGI:3649891]	5.03	7.66E-03
<i>Cables1</i>	CDK5 and Abl enzyme substrate 1 [Source:MGI Symbol;Acc:MGI:1927065]	5.06	1.78E-02
<i>Mdm4-ps</i>	transformed mouse 3T3 cell double minute 4, pseudogene [Source:MGI Symbol;Acc:MGI:2136991]	5.11	1.82E-02

<i>Tspear</i>	thrombospondin type laminin G domain and EAR repeats [Source:MGI Symbol;Acc:MGI:2671932]	5.39	4.20E-02
<i>Catsperd</i>	catsper channel auxiliary subunit delta [Source:MGI Symbol;Acc:MGI:2147030]	5.95	1.17E-02
<i>Gm5127</i>	predicted gene 5127 [Source:MGI Symbol;Acc:MGI:3648285]	6.40	8.18E-04
<i>Tsix</i>	X (inactive)-specific transcript, opposite strand [Source:MGI Symbol;Acc:MGI:1336196]	7.15	3.05E-04
<i>Xist</i>	inactive X specific transcripts [Source:MGI Symbol;Acc:MGI:98974]	8.08	2.42E-03
<i>Cecr2</i>	cat eye syndrome chromosome region, candidate 2 [Source:MGI Symbol;Acc:MGI:1923799]	9.02	3.40E-02
<i>Dmd</i>	dystrophin, muscular dystrophy [Source:MGI Symbol;Acc:MGI:94909]	9.14	2.38E-02
<i>Agap1</i>	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1 [Source:MGI Symbol;Acc:MGI:2653690]	9.27	4.96E-02
<i>Lhfp12</i>	lipoma HMGIC fusion partner-like 2 [Source:MGI Symbol;Acc:MGI:2145236]	9.38	2.83E-02
<i>Samd4</i>	sterile alpha motif domain containing 4 [Source:MGI Symbol;Acc:MGI:1921730]	9.46	2.22E-03
<i>Glis3</i>	GLIS family zinc finger 3 [Source:MGI Symbol;Acc:MGI:2444289]	9.60	3.03E-02
<i>Myh11</i>	myosin, heavy polypeptide 11, smooth muscle [Source:MGI Symbol;Acc:MGI:102643]	9.92	1.28E-02
<i>Cbln3</i>	cerebellin 3 precursor protein [Source:MGI Symbol;Acc:MGI:1889286]	9.93	3.71E-02
<i>Klhl29</i>	kelch-like 29 [Source:MGI Symbol;Acc:MGI:2683857]	10.14	2.25E-02
<i>Al838599</i>	expressed sequence Al838599 [Source:MGI Symbol;Acc:MGI:3510989]	10.17	1.29E-03
<i>Cdh17</i>	cadherin 17 [Source:MGI Symbol;Acc:MGI:1095414]	10.17	2.29E-02
<i>Hsf5</i>	heat shock transcription factor family member 5 [Source:MGI Symbol;Acc:MGI:2685585]	10.25	1.86E-02
<i>Asap3</i>	ArfGAP with SH3 domain, ankyrin repeat and PH domain 3 [Source:MGI Symbol;Acc:MGI:2684986]	10.33	4.56E-02
<i>Myom1</i>	myomesin 1 [Source:MGI Symbol;Acc:MGI:1341430]	10.37	4.77E-02
<i>Bcar1</i>	breast cancer anti-estrogen resistance 1 [Source:MGI Symbol;Acc:MGI:108091]	10.41	4.90E-02
<i>Gm16425</i>	predicted gene 16425 [Source:MGI Symbol;Acc:MGI:3643338]	10.53	3.87E-02
<i>Dact3</i>	dapper homolog 3, antagonist of beta-catenin (xenopus) [Source:MGI Symbol;Acc:MGI:3654828]	10.84	3.97E-02
<i>Samd13</i>	sterile alpha motif domain containing 13 [Source:MGI Symbol;Acc:MGI:2686498]	10.96	2.87E-02
<i>Entpd3</i>	ectonucleoside triphosphate diphosphohydrolase 3 [Source:MGI Symbol;Acc:MGI:1321386]	11.05	3.35E-02
<i>Cpt1c</i>	carnitine palmitoyltransferase 1c [Source:MGI Symbol;Acc:MGI:2446526]	11.14	2.41E-02
<i>Serpine1</i>	serine (or cysteine) peptidase inhibitor, clade E, member 1 [Source:MGI Symbol;Acc:MGI:97608]	11.18	1.20E-02
<i>Scd4</i>	stearoyl-coenzyme A desaturase 4 [Source:MGI Symbol;Acc:MGI:2670997]	11.43	8.45E-03
<i>Adcy4</i>	adenylate cyclase 4 [Source:MGI Symbol;Acc:MGI:99674]	11.53	1.72E-02
<i>Gm10575</i>	predicted gene 10575 [Source:MGI Symbol;Acc:MGI:3708765]	11.53	2.14E-02
<i>Hck</i>	hemopoietic cell kinase [Source:MGI Symbol;Acc:MGI:96052]	11.63	1.27E-03
<i>Gm15614</i>	predicted gene 15614 [Source:MGI Symbol;Acc:MGI:3783059]	11.70	4.15E-02
<i>Chrg</i>	cholinergic receptor, nicotinic, gamma polypeptide [Source:MGI Symbol;Acc:MGI:87895]	11.80	2.40E-02
<i>AK157302</i>	cDNA sequence AK157302 [Source:MGI Symbol;Acc:MGI:3574096]	11.82	3.71E-02
<i>Gm18737</i>	predicted gene, 18737 [Source:MGI Symbol;Acc:MGI:5010922]	11.88	1.69E-02
<i>Erbb2</i>	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [Source:MGI Symbol;Acc:MGI:9	11.91	4.67E-03
<i>Disc1</i>	disrupted in schizophrenia 1 [Source:MGI Symbol;Acc:MGI:2447658]	11.99	3.80E-02
<i>Gm6793</i>	predicted gene 6793 [Source:MGI Symbol;Acc:MGI:3643578]	12.12	1.51E-02
<i>1500035N22Rik</i>	RIKEN cDNA 1500035N22 gene [Source:MGI Symbol;Acc:MGI:1917508]	12.14	2.44E-02
<i>Gnmt</i>	glycine N-methyltransferase [Source:MGI Symbol;Acc:MGI:1202304]	12.16	4.21E-02
<i>Gm26598</i>	predicted gene, 26598 [Source:MGI Symbol;Acc:MGI:5477092]	12.16	1.43E-02
<i>Magee2</i>	melanoma antigen, family E, 2 [Source:MGI Symbol;Acc:MGI:2148316]	12.18	3.27E-03
<i>2610042L04Rik</i>	RIKEN cDNA 2610042L04 gene [Source:MGI Symbol;Acc:MGI:1914305]	12.21	1.73E-02
<i>Gm5134</i>	predicted gene 5134 [Source:MGI Symbol;Acc:MGI:3646667]	12.38	6.39E-03
<i>Gm5446</i>	predicted gene 5446 [Source:MGI Symbol;Acc:MGI:3644854]	12.39	9.92E-03
<i>Cabp4</i>	calcium binding protein 4 [Source:MGI Symbol;Acc:MGI:1920910]	12.46	2.15E-02
<i>Pld4</i>	phospholipase D family, member 4 [Source:MGI Symbol;Acc:MGI:2144765]	12.56	1.48E-02
<i>Gm11212</i>	predicted gene 11212 [Source:MGI Symbol;Acc:MGI:3651243]	12.74	3.29E-02
<i>Rpl21-ps9</i>	ribosomal protein L21, pseudogene 9 [Source:MGI Symbol;Acc:MGI:3650934]	13.17	3.85E-02
<i>Gm3436</i>	predicted pseudogene 3436 [Source:MGI Symbol;Acc:MGI:3781613]	13.32	6.17E-03
<i>D630036H23Rik</i>	RIKEN cDNA D630036H23 gene [Source:MGI Symbol;Acc:MGI:3704386]	13.43	3.57E-02
<i>Gm11592</i>	predicted gene 11592 [Source:MGI Symbol;Acc:MGI:3650504]	13.49	1.94E-02
<i>Zscan30</i>	zinc finger and SCAN domain containing 30 [Source:MGI Symbol;Acc:MGI:2685600]	13.63	3.99E-02
<i>S100a3</i>	S100 calcium binding protein A3 [Source:MGI Symbol;Acc:MGI:1338849]	13.78	1.60E-02
<i>Gm25178</i>	predicted gene, 25178 [Source:MGI Symbol;Acc:MGI:5454955]	13.95	2.21E-02
<i>AK157302</i>	cDNA sequence AK157302 [Source:MGI Symbol;Acc:MGI:3574096]	14.09	3.71E-02
<i>Tmem205</i>	transmembrane protein 205 [Source:MGI Symbol;Acc:MGI:3045495]	14.09	4.75E-02

<i>Gm8738</i>	predicted gene 8738 [Source:MGI Symbol;Acc:MGI:3644778]	14.26	1.73E-02
<i>Gm24224</i>	predicted gene, 24224 [Source:MGI Symbol;Acc:MGI:5454001]	14.30	8.75E-03
<i>Gm14088</i>	predicted gene 14088 [Source:MGI Symbol;Acc:MGI:3650492]	14.34	4.47E-02
<i>Gm22136</i>	predicted gene, 22136 [Source:MGI Symbol;Acc:MGI:5451913]	14.50	3.47E-02
<i>Gm15523</i>	predicted gene 15523 [Source:MGI Symbol;Acc:MGI:3782970]	14.83	3.69E-02
<i>Gm14068</i>	predicted gene 14068 [Source:MGI Symbol;Acc:MGI:3651670]	14.97	3.75E-02
<i>Gm24596</i>	predicted gene, 24596 [Source:MGI Symbol;Acc:MGI:5454373]	15.42	4.31E-02
<i>Mir3547</i>	microRNA 3547 [Source:MGI Symbol;Acc:MGI:5452187]	15.89	2.30E-02
<i>Mir207</i>	microRNA 207 [Source:MGI Symbol;Acc:MGI:2676882]	16.11	2.99E-02
<i>Gm26992</i>	predicted gene, 26992 [Source:MGI Symbol;Acc:MGI:5504107]	18.30	8.09E-03

Supplementary Table 6: Analysis of RNA-seq data from WT and cDKO CD8a+ cells.

Associated Gene Name	Coordinates Mus musculus Dec 2011	cDKO Average FPKM	WT Average FPKM	WT / cDKO Log2 Fold Change	p-value
<i>Ddx3y</i>	chrY:1260714-1286613	67.8242	0.0442	-10.5820	0.000008
<i>Kdm5d</i>	chrY:897787-943811	29.4274	0.0270	-10.0879	0.000032
<i>Uty</i>	chrY:1096860-1245759	13.6516	0.0024	-12.4442	0.000001
<i>Tsix</i>	chrX:103431516-103484957	0.0869	16.6412	7.5806	0.000181
<i>Xist</i>	chrX:103460374-103483217	0.0776	50.1220	9.3353	0.000385
<i>Snai3</i>	chr8:122454205-122460692	0.0291	7.0043	7.9101	0.000001
<i>Gm26992</i>	chrX:103422009-103481705	0.2878	28.5367	6.6317	0.000168
<i>Eif2s3y</i>	chrY:1010542-1028847	33.5225	0.0001	-18.3548	0.003513
<i>Sva</i>	chr6:42038393-42042851	5.5669	0.0001	-15.7646	0.000117
<i>Kdm6a</i>	chrX:18162574-18279936	18.2417	29.7526	0.7058	0.000230
<i>Rgs3</i>	chr4:62559846-62703018	14.9687	9.3007	-0.6865	0.000199
<i>Cxcr4</i>	chr1:128588198-128592293	77.1552	46.6624	-0.7255	0.000656
<i>Kdm5c</i>	chrX:152233019-152274535	22.9650	30.7651	0.4219	0.000063
<i>Commd10</i>	chr18:46958861-47087992	13.7403	7.7583	-0.8246	0.000030
<i>Rell1</i>	chr5:63908895-63968905	1.7958	3.7296	1.0544	0.001005
<i>Fyb</i>	chr15:6579870-6663313	64.8246	45.7073	-0.5041	0.002207
<i>Ddit4</i>	chr10:59949674-59951770	44.2231	26.8762	-0.7185	0.001247
<i>Pisd-ps1</i>	chr11:3125903-3131004	70.2668	103.9718	0.5653	0.002869
<i>Bmf</i>	chr2:118528756-118549687	3.4035	1.6003	-1.0887	0.001550
<i>Tbxa2r</i>	chr10:81328731-81335171	32.5200	21.3994	-0.6038	0.002013
<i>Zfp69</i>	chr4:120930136-120951699	1.7500	3.9871	1.1880	0.029423
<i>Hmgcs1</i>	chr13:119690461-119708086	42.7256	26.0944	-0.7114	0.004369
<i>Pgm1</i>	chr5:64092935-64128355	7.2398	10.5985	0.5498	0.001218
<i>Dnajc6</i>	chr4:101496647-101642799	1.8263	0.9425	-0.9543	0.002593
<i>Aim2</i>	chr1:173350878-173466040	22.1608	27.3681	0.3045	0.000014
<i>Tle1</i>	chr4:72117141-72200919	1.3121	2.2228	0.7605	0.003907
<i>Ugcg</i>	chr4:59189256-59222833	77.6763	93.4504	0.2667	0.000675
<i>mt-Co1</i>	chrM:5327-6872	3329.9074	4413.7409	0.4065	0.005435
<i>Pptc7</i>	chr5:122284364-122324281	28.3311	22.7143	-0.3188	0.000045
<i>Klra13-ps</i>	chr6:130291160-130306432	22.7292	41.8832	0.8818	0.013279
<i>Kcnj8</i>	chr6:142564938-142571356	0.7627	2.3442	1.6199	0.023791
<i>Gm9522</i>	chr15:39180510-39181441	6.0316	1.8250	-1.7247	0.018798
<i>Emc9</i>	chr14:55581515-55585302	38.2266	55.7436	0.5442	0.008245
<i>Gucy1a3</i>	chr3:82092427-82145877	0.4831	0.9453	0.9686	0.000040
<i>Eif2s3x</i>	chrX:94188706-94212862	2.8668	4.2364	0.5634	0.001159
<i>Mndal</i>	chr1:173857220-173942491	196.9588	244.9110	0.3144	0.003329
<i>Igflr1</i>	chr7:30565426-30567962	39.5896	28.4227	-0.4781	0.005127
<i>Bbs9</i>	chr9:22475714-22888280	9.0567	11.6997	0.3694	0.001963
<i>Cybb</i>	chrX:9435251-9487771	0.2060	0.5419	1.3957	0.004196
<i>Scarna9</i>	chr9:15326263-15326333	127.9479	71.9093	-0.8313	0.005740
<i>Ptbp2</i>	chr3:119718741-119783388	13.8236	17.6782	0.3548	0.001714
<i>Abhd15</i>	chr11:77515120-77538607	9.2927	6.7020	-0.4715	0.001122
<i>Pik3ap1</i>	chr19:41274217-41385070	0.8439	2.1741	1.3653	0.027431
<i>Nampt</i>	chr12:32820334-32853369	16.1425	20.6395	0.3545	0.006360
<i>Arrdc3</i>	chr13:80883383-80896035	8.3133	13.0841	0.6543	0.046142
<i>Sox5</i>	chr6:143828424-144781977	0.2858	0.1283	-1.1552	0.000809
<i>Gm15819</i>	chr5:63923900-63924969	1.3006	3.7363	1.5224	0.000034
<i>Zbp1</i>	chr2:173206611-173218923	26.7301	36.5691	0.4522	0.010973
<i>Neu1</i>	chr17:34931252-34935953	19.5394	25.0390	0.3578	0.006865
<i>Cnr2</i>	chr4:135895393-135920207	20.6782	16.4749	-0.3278	0.001034
<i>Hgh1</i>	chr15:76368897-76371403	9.4775	6.4765	-0.5493	0.003407
<i>Phf11b</i>	chr14:59320963-59341335	28.7043	39.5826	0.4636	0.013881
<i>Gp49a</i>	chr10:51480631-51486316	1.1373	2.8278	1.3141	0.034975
<i>Mir3064</i>	chr11:106782692-106782759	440.7227	306.1467	-0.5256	0.006779
<i>Pcbp2</i>	chr15:102470631-102500059	36.4024	44.0608	0.2755	0.001819
<i>Trp53i11</i>	chr2:93187547-93201759	14.7738	11.3223	-0.3839	0.002996
<i>Cyth3</i>	chr5:143622446-143710250	4.9968	7.1235	0.5116	0.012804
<i>Ncbp2</i>	chr16:31948512-31961781	19.0526	13.7699	-0.4685	0.005961
<i>Gm24105</i>	chr5:149247953-149248244	12.5654	3.2640	-1.9448	0.070028
<i>Gm15725</i>	chr16:37882541-37883631	35.0323	25.1014	-0.4809	0.003900
<i>Pycd3</i>	chr1:173673674-173698392	39.0026	49.7208	0.3503	0.013759
<i>Gm20628</i>	chr3:96267074-96270289	29.7204	37.2775	0.3268	0.009580
<i>Gm16229</i>	chr10:127663838-127665484	16.9679	12.0559	-0.4931	0.002706
<i>Gpr83</i>	chr9:14860209-14870789	6.2936	3.6337	-0.7925	0.012703
<i>Prss12</i>	chr3:123446912-123506602	3.0498	4.7218	0.6306	0.004999
<i>Prf1</i>	chr10:61297835-61304263	34.5950	44.1311	0.3512	0.012643
<i>Gm23436</i>	chr1:161036983-161037049	325.0582	447.0052	0.4596	0.010545
<i>Gm11508</i>	chr11:88011990-88048006	44.2785	30.2196	-0.5511	0.004350
<i>Gapdh</i>	chr6:125161714-125166467	4.8816	6.5755	0.4297	0.009908

<i>Entpd1</i>	chr19:40612365-40741602	0.5959	1.3204	1.1478	0.028686
<i>Gm22154</i>	chr4:123293151-123293282	26.4436	10.0472	-1.3961	0.026246
<i>Srgn</i>	chr10:62493832-62527451	109.8480	144.9236	0.3998	0.026748
<i>mt-Nd5</i>	chrM:11741-13565	74.8594	114.6915	0.6155	0.047733
<i>Gm12592</i>	chr11:3305425-3331178	11.3390	8.6140	-0.3965	0.001525
<i>3110056K07Rik</i>	chr12:70991614-71015832	24.2618	18.0486	-0.4268	0.004755
<i>Gramd1a</i>	chr7:31130126-31151050	248.6759	204.1882	-0.2844	0.003256
<i>Rsrp1</i>	chr4:134923591-134927671	280.0792	220.4752	-0.3452	0.010537
<i>Rnaset2a</i>	chr17:8128609-8148097	3.8617	1.9245	-1.0048	0.012485
<i>Ptpn3</i>	chr4:57190840-57301837	0.2717	0.0963	-1.4967	0.003168
<i>lfi203</i>	chr1:173920406-173942672	39.5794	49.4854	0.3223	0.020314
<i>Sjfn1</i>	chr11:83116848-83122670	182.7854	216.2962	0.2429	0.006245
<i>Rpl5-ps1</i>	chr1:14865071-14865965	0.6330	2.0881	1.7220	0.027185
<i>Gadd45g</i>	chr13:51846677-51848468	3.4113	5.8965	0.7896	0.014647
<i>Adcy6</i>	chr15:98589993-98607633	6.0849	4.5913	-0.4063	0.004077
<i>Wnt5b</i>	chr6:119432530-119544347	0.9209	0.3724	-1.3060	0.010245
<i>B2m</i>	chr2:122147685-122153083	3377.4231	4531.5800	0.4241	0.044149
<i>Lgals1</i>	chr15:78926724-78930465	161.5328	206.2223	0.3524	0.026750
<i>Ccl3</i>	chr1:83647843-83649355	1.7478	4.8125	1.4612	0.044497
<i>St3gal6</i>	chr16:58468124-58524243	7.4925	10.1150	0.4330	0.028293
<i>Klf10</i>	chr15:38294412-38300707	8.4473	11.3909	0.4313	0.027828
<i>Atp2b1</i>	chr10:98915151-99026143	27.9168	35.3636	0.3411	0.018073
<i>Pmel</i>	chr10:128706257-128720238	54.7747	69.5659	0.3449	0.017263
<i>Agbl5</i>	chr5:30888693-30906965	9.1349	11.8473	0.3751	0.013711
<i>Gm24339</i>	chr9:15326463-15326539	152.0676	73.6974	-1.0450	0.060640
<i>Gm4462</i>	chr16:20664115-20664607	4.9630	2.0883	-1.2489	0.009281
<i>Naa20</i>	chr2:145902098-145916425	10.8823	13.3657	0.2965	0.004440
<i>Hist1h2ak</i>	chr13:21753394-21753907	40.0981	62.4280	0.6387	0.023578
<i>Fbxo45</i>	chr16:32230111-32247158	8.1526	6.4002	-0.3491	0.000391
<i>NA</i>	chr19:47894597-47919299	28.6343	23.5157	-0.2841	0.003613
<i>Hist1h4k</i>	chr13:21750193-21750505	57.3712	77.7903	0.4393	0.018264
<i>Oaz1</i>	chr10:80826655-80829290	11.4719	8.6030	-0.4152	0.004720
<i>Dmrta1</i>	chr4:89679435-89694772	0.6942	1.4942	1.1060	0.010243
<i>Fln</i>	chr11:59791407-59810016	14.4024	11.8320	-0.2836	0.000148
<i>G730046D07Rik</i>	chr7:126565918-126566380	20.0412	12.6163	-0.6677	0.011972
<i>Tcf4</i>	chr18:69344145-69687967	0.2054	0.3750	0.8685	0.006551
<i>mt-Nd6</i>	chrM:13551-14070	46.9303	70.5761	0.5887	0.036077
<i>Klrc1</i>	chr6:129666014-129678973	6.2196	10.8986	0.8092	0.066798
<i>St8sia6</i>	chr2:13651019-13793808	0.1829	0.3644	0.9942	0.001737
<i>Hist2h3b</i>	chr3:96268653-96269141	36.0191	59.1371	0.7153	0.030189
<i>5530601H04Rik</i>	chrX:105037196-105079609	2.1755	2.9020	0.4157	0.017906
<i>Map3k12</i>	chr15:102497648-102517064	6.3798	8.3045	0.3804	0.041980
<i>Ost4</i>	chr5:30905884-30907788	36.3396	48.7614	0.4242	0.022345
<i>Gm9974</i>	chr16:17081998-17082691	4.4949	7.3162	0.7028	0.001380
<i>Gm12254</i>	chr11:58508790-58509261	12.1809	5.8935	-1.0474	0.042735
<i>mt-Te</i>	chrM:14070-14139	55.6679	94.7460	0.7672	0.020700
<i>Sdf2</i>	chr11:78245745-78255496	26.9219	20.7066	-0.3787	0.006350
<i>1700017B05Rik</i>	chr9:57252321-57262599	6.5631	5.0813	-0.3692	0.004045
<i>Pbdc1</i>	chrX:105079755-105117090	4.9989	6.7351	0.4301	0.042449
<i>Klhl21</i>	chr4:152008802-152017680	12.5555	9.7194	-0.3694	0.012995
<i>Taf1c</i>	chr8:119597974-119605222	14.7153	11.6948	-0.3314	0.003076
<i>Prss30</i>	chr17:23972125-23975230	1.9236	1.0118	-0.9269	0.007759
<i>Gm25894</i>	chr19:8724250-8724325	84.5585	139.5905	0.7232	0.033113
<i>Cst7</i>	chr2:150570414-150578944	71.8431	88.0508	0.2935	0.012141
<i>1810022K09Rik</i>	chr3:14606319-14611221	50.4235	69.7506	0.4681	0.021987
<i>Rbm12b1</i>	chr4:12140263-12146731	8.0752	6.1075	-0.4029	0.005276
<i>Gm25099</i>	chr4:117189941-117190057	45.5710	16.4894	-1.4666	0.105588
<i>Gm12596</i>	chr4:59260050-59263269	1.6769	3.5476	1.0811	0.011156
<i>Gm2245</i>	chr15:6604340-6654303	15.0299	11.4128	-0.3972	0.010654
<i>F2r</i>	chr13:95601803-95618459	31.8970	44.3632	0.4759	0.051859
<i>Gpr183</i>	chr14:121952330-121965193	36.6671	45.2039	0.3020	0.022789
<i>1700023H06Rik</i>	chr13:80884223-80885524	4.7860	8.3922	0.8102	0.086490
<i>Rgs1</i>	chr1:144243971-144249242	3.0223	5.1066	0.7567	0.076060
<i>S1pr1</i>	chr3:115710432-115715055	287.1358	333.3592	0.2153	0.009324
<i>Srp54b</i>	chr12:55155103-55189213	0.6572	0.2963	-1.1493	0.002539
<i>Golga7</i>	chr8:23241352-23257074	13.0197	9.7275	-0.4205	0.009916
<i>Nsun3</i>	chr16:62732443-62786818	3.6013	4.7099	0.3872	0.007911
<i>Gm14446</i>	chr19:34592887-34601968	99.4548	135.2151	0.4431	0.038787
<i>Hist3h2a</i>	chr11:58954684-58956674	17.6747	22.8170	0.3684	0.019663
<i>Gm4955</i>	chr1:173468508-173491041	34.8574	44.8828	0.3647	0.036370
<i>Rad23b</i>	chr4:55350042-55392237	27.6654	34.3421	0.3119	0.022344

NA	chr13:23535421-23535951	12.9676	21.9392	0.7586	0.037159
Xdh	chr17:73883907-73950182	25.6113	20.8675	-0.2955	0.007731
Ctla2a	chr13:60934154-60936625	39.2106	58.6214	0.5802	0.062542
Gga2	chr7:121986721-122021222	1.2587	0.8867	-0.5054	0.004601
Nab2	chr10:127660917-127668568	20.0843	16.1833	-0.3116	0.003360
Ryk	chr9:102834916-102908305	0.1054	0.3402	1.6909	0.036406
Ncald	chr15:37366174-37792570	0.4949	0.9037	0.8686	0.041053
Ccna2	chr3:36564865-36572150	8.5367	12.2945	0.5263	0.076997
Tlr12	chr4:128615445-128618619	13.4585	9.9899	-0.4300	0.015940
Prosl	chr16:62854306-62929346	0.1644	0.3999	1.2827	0.004950
Abcb11	chr2:69238281-69342616	0.1491	0.3494	1.2282	0.013153
9930111J21Rik2	chr11:49015873-49051242	11.5223	13.9909	0.2801	0.012235
Fam49a	chr12:12262138-12376359	25.1507	29.6994	0.2398	0.009327
Pdzd11	chrX:100622882-100626568	8.5846	10.6944	0.3170	0.001274
Scnm1	chr3:95129535-95134012	22.2215	26.6395	0.2616	0.003428
She	chr3:89831369-89858834	0.9717	1.4578	0.5853	0.006834
Tmem59	chr4:107178398-107200996	51.3605	41.1188	-0.3209	0.012362
Hist1h1a	chr13:23763667-23764414	41.3024	60.2671	0.5451	0.076673
Ppp1r15a	chr7:45522915-45526268	7.7183	11.4358	0.5672	0.087999
Fbxo48	chr11:16951374-16954772	0.9222	1.5993	0.7943	0.005133
Zfp827	chr8:79028436-79193766	4.3701	5.2748	0.2714	0.003680
Nrp2	chr1:62703284-62818695	1.9221	2.4959	0.3769	0.012499
Fam129a	chr1:151571185-151721939	3.2108	4.3374	0.4339	0.049985
C92009B18Rik	chr10:22306701-22321765	3.2945	4.4527	0.4346	0.056694
Capn10	chr1:92934375-92947941	4.4829	3.4391	-0.3824	0.001261
Pkp4	chr2:59160849-59355208	11.5788	14.1002	0.2842	0.020551
Etv3	chr3:87525406-87540156	14.5698	12.2782	-0.2469	0.001354
A730015C16Rik	chr4:108847398-108848619	11.7218	8.6006	-0.4467	0.002785
Map2	chr1:66175272-66442583	0.0281	0.0826	1.5560	0.029636
Maf	chr8:115682941-115707794	0.1431	0.3216	1.1681	0.058535
Zfp759	chr13:67128227-67141787	6.0574	7.5965	0.3266	0.007524
Slc25a27	chr17:43641899-43667015	5.6670	4.1436	-0.4517	0.005638
Rtp4	chr16:23609918-23614222	32.2371	45.9165	0.5103	0.070520
Atxn7l3	chr11:102289299-102296631	33.6388	28.5272	-0.2378	0.001637
Snx4	chr16:33251455-33299562	79.8647	92.0608	0.2050	0.008331
Klhl7	chr5:24100589-24161223	4.6458	5.9551	0.3582	0.010985
Lta4h	chr10:93453395-93484896	74.7921	63.7144	-0.2313	0.000707
Exog	chr9:119444922-119465517	3.8007	2.7872	-0.4475	0.004499
2610524H06Rik	chr5:114821934-114823468	11.6805	15.6016	0.4176	0.006578
Gm9725	chr8:81013575-81038584	15.6797	12.5898	-0.3166	0.003899
Them4	chr3:94310088-94332540	1.3439	1.9757	0.5559	0.013634
Lgalsl	chr11:20823575-20831056	0.8703	1.5627	0.8445	0.070463
Eea1	chr10:95940662-96045518	3.0683	3.8727	0.3359	0.022552
Gm25994	chr11:106783170-106783271	962.0485	740.9862	-0.3767	0.032996
Prdm1	chr10:44437176-44528501	0.3476	0.7829	1.1714	0.112868
Gm22486	chr6:71882556-71882693	67.5696	23.5296	-1.5219	0.037249
Gm16334	chr4:152418282-152421834	3.0379	1.4763	-1.0411	0.000756
Med22	chr2:26905261-26910677	17.5678	14.0887	-0.3184	0.009080
Ccne2	chr4:11191350-11204779	4.1076	5.4619	0.4111	0.028724
Spaca1	chr4:34024873-34050191	1.8922	0.6516	-1.5380	0.049996
Ighj2	chr12:113429513-113429567	28.9862	11.5607	-1.3261	0.004150
Mycbp2	chr14:103113410-103346814	57.1068	46.1647	-0.3069	0.023001
Dnah8	chr17:30624353-30875264	31.2812	22.1760	-0.4963	0.076658
Snn	chr16:11066297-11074983	2.1127	3.2502	0.6214	0.038327
2700081O15Rik	chr19:7417624-7425904	1.9539	1.3638	-0.5187	0.006246
Acvr2a	chr2:48814108-48903269	3.5053	4.4926	0.3580	0.025835
Snord15a	chr7:99482784-99482932	73.8982	42.3378	-0.8036	0.061545
Scd2	chr19:44293675-44306864	16.6235	13.5532	-0.2946	0.012040
Cacnb4	chr2:52428319-52676831	0.2567	0.4294	0.7420	0.003964
Sipa1l2	chr8:125418062-125492710	6.2796	4.9789	-0.3349	0.014423
Ranbp1	chr16:18239783-18248732	58.5557	73.7645	0.3331	0.043359
Dhx58os	chr11:100687416-100697520	1.7852	2.8494	0.6746	0.009973
Rpl19-ps11	chr8:19492905-19493623	18.9754	7.8173	-1.2794	0.042280
Ankrd39	chr1:36538172-36547201	9.0999	6.7989	-0.4205	0.007144
Ccnl2	chr4:155812488-155824543	77.7373	63.3039	-0.2963	0.023725
Gm17021	chr9:123772184-123790939	17.8825	12.0618	-0.5681	0.011847
Ctss	chr3:95526785-95556403	159.8916	182.6801	0.1922	0.009993
Trbv20	chr6:41188272-41188977	33.9621	46.4019	0.4503	0.030586
Prr13	chr15:102459027-102462806	19.6871	25.4038	0.3678	0.028145
Zfp708	chr13:67069399-67097976	4.8504	6.4239	0.4054	0.021472
H2-Ab1	chr17:34263208-34269418	2.2870	3.9244	0.7790	0.023535

<i>Edrf1</i>	chr7:133637542-133672971	17.6377	14.3193	-0.3007	0.018508
<i>Rnf157</i>	chr11:116336352-116413032	1.0868	0.6127	-0.8269	0.078036
<i>Id2</i>	chr12:25093800-25096092	56.4841	66.6034	0.2378	0.023043
<i>Serpinb6b</i>	chr13:32965208-32979067	19.8266	15.1794	-0.3853	0.026969
<i>Tmem243</i>	chr5:9100736-9118983	50.5566	60.0183	0.2475	0.010260
<i>Pisd</i>	chr5:32736300-32785646	16.7120	20.1091	0.2670	0.019383
<i>Rbm3</i>	chrX:8138974-8145880	34.7769	27.9793	-0.3138	0.025467
<i>Tspo</i>	chr15:83563572-83574201	54.9079	41.5759	-0.4013	0.027306
<i>Akap2</i>	chr4:57717656-57896984	6.3263	5.1622	-0.2934	0.005460
<i>Evi2a</i>	chr11:79526559-79530609	8.1292	10.6798	0.3937	0.046035
<i>Casp4</i>	chr9:5308827-5336783	1.7986	3.0534	0.7636	0.085926
<i>Gm12176</i>	chr11:47541431-47542306	1.7396	0.6288	-1.4681	0.044773
<i>Aqp9</i>	chr9:71110658-71168682	1.6325	2.7990	0.7779	0.085427
<i>Myom1</i>	chr17:71019520-71126856	0.3557	0.1708	-1.0579	0.001182
<i>Palm2Akap2</i>	chr4:57568178-57896982	6.0765	4.9416	-0.2983	0.006449
<i>1600014C10Rik</i>	chr7:38183216-38197568	23.7105	26.9773	0.1862	0.002569
<i>Gm11399</i>	chr11:3142047-3143363	17.0920	24.7766	0.5357	0.013763
<i>Actn4</i>	chr7:28893247-28962340	18.1907	21.6143	0.2488	0.031633
<i>Afp</i>	chr5:90490713-90508907	7.4690	5.3178	-0.4901	0.032429
<i>Ccdc117</i>	chr11:5528886-5542187	25.7034	19.9393	-0.3663	0.039803
<i>Ccdc171</i>	chr4:83525544-83864670	4.7002	5.8155	0.3072	0.009263
<i>Slfm8</i>	chr11:83002157-83020810	52.5006	65.7497	0.3247	0.057177
<i>Ptma</i>	chr1:86526735-86530698	104.7585	141.8687	0.4375	0.078074
<i>Hist1h2ai</i>	chr13:21716411-21717452	7.5240	10.3932	0.4661	0.027217
<i>Casp1</i>	chr9:5298516-5307265	7.9164	12.0964	0.6117	0.092462
<i>Kremen1</i>	chr11:5191551-5261558	7.7892	6.4419	-0.2740	0.006740
<i>Pddc1</i>	chr7:141408134-141414136	16.9355	13.1392	-0.3662	0.027006
<i>Dnajb1</i>	chr8:83608174-83611902	47.9515	35.0910	-0.4505	0.074152
<i>Gm14453</i>	chr2:173025684-173034580	24.2301	17.2725	-0.4883	0.019827
<i>NA</i>	chr5:146261002-146261084	3438.2230	1939.7630	-0.8258	0.022907
<i>Trim30c</i>	chr7:104382064-104390586	7.7240	11.2882	0.5474	0.076995
<i>Abcb1a</i>	chr5:8660076-8748575	8.2190	10.4759	0.3500	0.054594
<i>Ccr2</i>	chr9:124101949-124113557	4.6655	8.9528	0.9403	0.062100
<i>Gm5931</i>	chrX:10660521-10660998	4.3987	8.0914	0.8793	0.027649
<i>Lilrb4</i>	chr10:51480639-51496613	1.2343	2.5197	1.0296	0.073359
<i>Chpt1</i>	chr10:88452744-88504073	0.9630	1.3316	0.4676	0.023610
<i>Kcnn4</i>	chr7:24370262-24385209	92.9924	80.3454	-0.2109	0.003577
<i>Gm26631</i>	chr9:57531286-57537629	8.7184	6.1342	-0.5072	0.054079
<i>Dusp1</i>	chr17:26505589-26508519	1.6175	2.9263	0.8553	0.170617
<i>Mbnl1</i>	chr3:60501251-60629748	373.4339	425.4495	0.1881	0.008547
<i>NA</i>	chr3:90062795-90068347	8.6394	6.7678	-0.3522	0.009929
<i>Rps13-ps2</i>	chr7:88530404-88530925	69.3878	46.8323	-0.5672	0.073352
<i>Qser1</i>	chr2:104754794-104816696	1.1756	1.5901	0.4356	0.033770
<i>Fitm2</i>	chr2:163466378-163472629	4.3786	3.4087	-0.3612	0.000790
<i>Npm3</i>	chr19:45747733-45749591	25.9975	19.9610	-0.3812	0.017845
<i>Ust</i>	chr10:8204752-8518825	2.3092	3.2499	0.4930	0.038800
<i>Ubal2</i>	chr11:116434093-116439077	5.7681	4.0141	-0.5230	0.012891
<i>Gm20531</i>	chr6:124732167-124738040	36.0464	46.2206	0.3587	0.065284
<i>Ftx</i>	chrX:103560906-103623754	3.4174	4.3640	0.3527	0.069636
<i>Zgpat</i>	chr2:181364927-181383628	65.1523	54.7352	-0.2513	0.017255
<i>Gm16534</i>	chr2:32050085-32064911	23.3318	18.0715	-0.3686	0.040375
<i>Hist2h2bb</i>	chr3:96269720-96279001	45.1392	52.9294	0.2297	0.026288
<i>Gm11670</i>	chr11:108939309-108942015	7.7370	4.5447	-0.7676	0.018385
<i>Gm10232</i>	chr17:3043883-3044750	1.1148	2.3731	1.0900	0.026537
<i>Slc39a7</i>	chr17:34028266-34031690	42.2240	36.2414	-0.2204	0.001165
<i>Slc35a1</i>	chr4:34663256-34687438	8.4388	6.3710	-0.4055	0.018068
<i>Gm26856</i>	chr7:49856161-49857600	7.6123	5.4813	-0.4738	0.008069
<i>Pofut1</i>	chr2:153241532-153270247	8.0568	6.6851	-0.2693	0.019465
<i>Fam204a</i>	chr19:60198585-60226697	16.8969	20.1445	0.2536	0.012772
<i>Sestd1</i>	chr2:77180339-77280592	0.1391	0.2705	0.9598	0.046116
<i>Mrpl17</i>	chr7:105806657-105811099	6.6036	7.8330	0.2463	0.002203
<i>Gm5620</i>	chr9:91097147-91098500	0.7675	1.6763	1.1270	0.040994
<i>Vps37b</i>	chr5:124004640-124032260	45.6631	57.2596	0.3265	0.071337
<i>Dcaf15</i>	chr8:84097074-84104773	37.8416	31.9235	-0.2454	0.011629
<i>Ccnd3</i>	chr17:47505050-47599691	23.2158	20.0206	-0.2136	0.007845
<i>Lman2l</i>	chr1:36422064-36445271	2.0119	1.5336	-0.3917	0.000210
<i>Ankrd10</i>	chr8:11611582-11635754	40.6620	34.3131	-0.2449	0.013239
<i>Plin2</i>	chr4:86648385-86670060	2.2912	1.5339	-0.5788	0.026874
<i>Hsph1</i>	chr5:149614286-149636376	12.5526	9.0840	-0.4666	0.107333
<i>Eaf1</i>	chr14:31495078-31509858	15.6975	13.0054	-0.2714	0.009762
<i>Tmem260</i>	chr14:48446127-48515135	6.2826	5.2062	-0.2711	0.005767

<i>Sik1</i>	chr17:31844247-31855792	6.1716	4.8170	-0.3575	0.014677
<i>Pygo2</i>	chr3:89430213-89435128	14.8040	12.0608	-0.2957	0.017387
<i>Ctps</i>	chr4:120539867-120570276	14.4072	12.0803	-0.2541	0.001643
<i>Fam134c</i>	chr11:101096321-101119893	43.8060	37.6228	-0.2195	0.006924
<i>Gm22357</i>	chr1:161036056-161036139	448.5621	586.9089	0.3878	0.067963
<i>Gm6030</i>	chr16:45205099-45205501	42.3274	26.3581	-0.6833	0.110721
<i>Tmem229b</i>	chr12:78961794-79007627	27.5889	23.9270	-0.2055	0.001181
<i>Zc3h14</i>	chr12:98746967-98787774	33.1164	37.2275	0.1688	0.003495
<i>Zfp85</i>	chr13:67747799-67755228	8.2343	10.2991	0.3228	0.021979
<i>Kbtbd2</i>	chr6:56777523-56797813	39.8017	33.7536	-0.2378	0.010269
<i>Snx14</i>	chr9:88376746-88438958	11.9900	13.8930	0.2125	0.014304
<i>A730085K08Rik</i>	chr9:122380574-122398801	1.1647	1.8330	0.6542	0.006234
<i>Fgf13</i>	chrX:59062144-59568071	3.7704	4.8131	0.3523	0.030354
<i>Amigo2</i>	chr15:97244073-97247287	11.4798	8.6664	-0.4056	0.044065
<i>Creg1</i>	chr1:165763745-165775308	8.0379	9.6526	0.2641	0.000342
<i>1700022111Rik</i>	chr4:42969945-42983639	5.6149	4.1492	-0.4364	0.040806
<i>F2rl3</i>	chr8:72761879-72763874	5.8329	4.2154	-0.4685	0.015458
<i>Eno1</i>	chr4:150236720-150248879	13.0216	10.8642	-0.2613	0.012256
<i>Fam71b</i>	chr1:46396558-46407982	3.7574	4.9188	0.3886	0.017580
<i>A430018G15Rik</i>	chr2:52425011-52434885	0.4050	0.8557	1.0790	0.000788
<i>Gm14269</i>	chr2:170463513-170463819	4.7682	8.7189	0.8707	0.008692
<i>Trbj2-7</i>	chr6:41543809-41543856	180.3461	115.5600	-0.6421	0.044998
<i>Ccne1</i>	chr7:38097983-38107534	18.2954	15.3292	-0.2552	0.004075
<i>Gm27010</i>	chr14:61625925-61627337	5.5525	3.4148	-0.7013	0.027162
<i>Crkl</i>	chr16:17451986-17486255	23.7996	20.4889	-0.2161	0.001502
<i>1700064H15Rik</i>	chr3:19610367-19628677	25.2391	34.3757	0.4457	0.038765
<i>Arhgef2</i>	chr3:88607453-88648052	21.3891	18.3723	-0.2193	0.014335
<i>Psrc1</i>	chr3:108383838-108388231	0.8374	0.4417	-0.9229	0.014711
<i>H6pd</i>	chr4:149979474-150009023	10.4693	8.4424	-0.3104	0.028721
<i>Ube2l6</i>	chr2:84798827-84810335	0.5079	1.0408	1.0351	0.031383
<i>Adcy7</i>	chr8:88272402-88329962	134.1400	114.0101	-0.2346	0.022973
<i>Gm5391</i>	chrX:68319637-68320250	2.2927	4.1001	0.8386	0.026822
<i>I830012O16Rik</i>	chr19:34607969-34613401	2.9077	6.2981	1.1150	0.037649
<i>Snx10</i>	chr6:51523900-51590679	4.3804	5.4052	0.3033	0.041962
<i>Arpc2</i>	chr1:74236496-74268209	195.0271	226.3977	0.2152	0.030932
<i>Gimap3</i>	chr6:48765088-48766519	291.9418	242.4975	-0.2677	0.027036
<i>Mfsd11</i>	chr11:116852439-116875635	7.2607	5.8736	-0.3059	0.025892
<i>NA</i>	chr1:171419032-171420352	5.1829	2.9916	-0.7928	0.003142
<i>Slc22a23</i>	chr13:34179157-34345182	0.8311	0.5182	-0.6815	0.036697
<i>Ttll3</i>	chr6:113389259-113414583	11.5934	9.5086	-0.2860	0.021310
<i>Gm26493</i>	chr8:95746059-95746195	16.7911	7.5317	-1.1567	0.043599
<i>6330409D20Rik</i>	chr2:32732619-32741016	8.1617	5.9786	-0.4491	0.015237
<i>Ttc39b</i>	chr4:83220299-83324255	21.4086	15.9723	-0.4226	0.097197
<i>Gm23138</i>	chr4:108498043-108498146	4.2764	11.4177	1.4168	0.036070
<i>Slc4a2</i>	chr5:24423836-24440950	10.0445	8.4608	-0.2475	0.005737
<i>Slc1a5</i>	chr7:16781345-16798274	63.0272	52.8111	-0.2551	0.029550
<i>Ctu2</i>	chr8:122476142-122484138	17.5313	14.5766	-0.2663	0.030283
<i>Fau</i>	chr19:6057887-6059524	14.7407	19.6333	0.4135	0.046542
<i>Mir677</i>	chr10:128085288-128085360	23.3733	11.2072	-1.0604	0.009598
<i>Cd79b</i>	chr11:106311340-106314762	11.2694	14.3677	0.3504	0.047636
<i>Hist1h1d</i>	chr13:23555031-23558852	17.1909	21.9835	0.3548	0.083961
<i>Cnot6l</i>	chr5:96070332-96164171	30.8912	35.8311	0.2140	0.047989
<i>Zfp773</i>	chr7:7130677-7136755	3.4219	2.5130	-0.4454	0.011437
<i>Zfp658</i>	chr7:43562255-43575461	6.2716	5.1063	-0.2966	0.000295
<i>Cdr2</i>	chr7:120957035-120982312	5.1488	3.8066	-0.4357	0.032380
<i>Dennd4a</i>	chr9:64811339-64919667	14.8434	18.1676	0.2915	0.067026
<i>Xkrx</i>	chrX:134149042-134162076	2.3861	3.5558	0.5755	0.119513
<i>Gm15726</i>	chrX:169979046-169985232	3.7982	6.2747	0.7242	0.028929
<i>A930029G22Rik</i>	chr17:69416659-69439304	4.4088	3.0889	-0.5133	0.011909
<i>G0s2</i>	chr1:193272160-193273188	3.9644	6.7528	0.7684	0.110776
<i>Ppp2r4</i>	chr2:30416038-30447806	19.9214	17.1742	-0.2141	0.004082
<i>Lime1</i>	chr2:181380077-181383628	105.8635	88.2731	-0.2622	0.029037
<i>Manea</i>	chr4:26324505-26346891	7.6446	9.0921	0.2502	0.037180
<i>Ret</i>	chr6:118151747-118197744	0.0539	0.1914	1.8269	0.201269
<i>Zfp36l1</i>	chr12:80107759-80113013	20.0232	23.9115	0.2560	0.055727
<i>Capza1</i>	chr3:104822778-104864505	22.9977	26.6576	0.2131	0.018952
<i>Itgae</i>	chr11:73090582-73147446	69.4035	56.8345	-0.2882	0.029352
<i>Evi2b</i>	chr11:79513384-79530589	26.5302	30.7256	0.2118	0.034781
<i>Rad9b</i>	chr5:122323222-122354233	14.5070	12.1247	-0.2588	0.002130
<i>Dynlrb1</i>	chr2:155236532-155250277	51.4425	66.1256	0.3622	0.071838
<i>Luzp1</i>	chr4:136469760-136554780	1.8912	2.4267	0.3597	0.044257

<i>Vamp1</i>	chr6:125215550-125244543	10.5222	8.9353	-0.2359	0.007494
<i>Gm21975</i>	chr11:79513384-79530559	26.9128	31.1591	0.2114	0.034863
<i>Hnrnpa0</i>	chr13:58125878-58128556	51.3475	40.8399	-0.3303	0.054262
<i>Acrbp</i>	chr6:125049688-125063267	4.6555	3.6558	-0.3488	0.002511
<i>Tex15</i>	chr8:33516737-33585582	0.0812	0.2031	1.3221	0.177050
<i>Gm24134</i>	chr2:26912529-26912600	36.1822	17.2311	-1.0703	0.031084
<i>Kdm5b</i>	chr1:134560170-134632877	17.1985	14.3443	-0.2618	0.026976
<i>Hist1h3b</i>	chr13:23752266-23752886	17.6239	25.5535	0.5360	0.100879
<i>Trbv1</i>	chr6:40891295-40891885	62.5894	45.1053	-0.4726	0.053396
<i>Ip6k1</i>	chr9:108002500-108048780	42.6544	36.5667	-0.2222	0.020211
<i>Uggt2</i>	chr14:118985038-119099430	0.2084	0.3449	0.7271	0.077583
<i>Rab10os</i>	chr12:3235503-3250377	10.7030	12.9072	0.2702	0.033589
<i>Klf9</i>	chr19:23141225-23166911	1.3137	1.8224	0.4722	0.002527
<i>Cr1l</i>	chr1:195103788-195131570	50.4770	56.7344	0.1686	0.009975
<i>Xpa</i>	chr4:46155346-46196311	18.1301	21.4424	0.2421	0.014006
<i>Ccl25</i>	chr8:4325209-4360020	1.9060	1.2063	-0.6600	0.019093
<i>Tbc1d31</i>	chr15:57912198-57970067	2.1694	2.6900	0.3103	0.020417
<i>Oas3</i>	chr5:120753097-120777661	13.8592	18.8329	0.4424	0.114294
<i>Ppm1f</i>	chr16:16896468-16927364	17.5515	14.8175	-0.2443	0.013060
<i>Plxna1</i>	chr6:89316315-89362613	0.4497	0.2880	-0.6432	0.007697
<i>Fam46a</i>	chr9:85320438-85327124	22.9849	25.9923	0.1774	0.037393
<i>Cd28</i>	chr1:60716799-60773359	31.8509	37.9745	0.2537	0.099497
<i>Zeb2</i>	chr2:44983633-45117395	0.1766	0.3302	0.9033	0.104178
<i>Gm23925</i>	chr2:158359797-158359929	38.2960	25.4367	-0.5903	0.005638
<i>Gm10548</i>	chr18:34207774-34221772	2.5993	1.8548	-0.4868	0.002994
<i>Cep85l</i>	chr10:53278080-53379851	2.6078	3.4927	0.4215	0.028658
<i>Gm15135</i>	chr7:104261464-104262174	52.9127	64.4522	0.2846	0.060654
<i>Gm17296</i>	chr8:126426651-126475065	8.6361	7.2542	-0.2516	0.005154
<i>Gm22571</i>	chr9:64175870-64175941	36.4984	19.2883	-0.9201	0.038069
<i>Gm6712</i>	chr17:17316077-17319511	12.6991	18.8366	0.5688	0.043267
<i>NA</i>	chr1:151344368-151344736	27.1147	19.3565	-0.4863	0.020571
<i>Gm12696</i>	chr4:97521427-97522332	11.2193	15.5094	0.4672	0.079672
<i>6430590A07Rik</i>	chr3:40885896-40894123	7.5259	10.6184	0.4966	0.079813
<i>Sac3d1</i>	chr19:6116003-6118586	7.6530	5.7228	-0.4193	0.007201
<i>Ccdc88a</i>	chr11:29373657-29510808	0.2867	0.4266	0.5735	0.019151
<i>Gcn1l1</i>	chr5:115565253-115622656	11.9078	10.3118	-0.2076	0.016829
<i>Cers4</i>	chr8:4493025-4525757	3.3384	4.0885	0.2924	0.032548
<i>Gm16091</i>	chr8:72147600-72160855	27.7013	21.0328	-0.3973	0.053714
<i>Gng2</i>	chr14:19872558-19977627	17.1932	20.4315	0.2490	0.064619
<i>Col11a2</i>	chr17:34039436-34066685	2.7999	1.9332	-0.5344	0.100975
<i>Nudt16l1</i>	chr16:4939110-4941020	24.0999	19.5920	-0.2988	0.013372
<i>Snopc3</i>	chr4:83417723-83467676	25.1156	28.7773	0.1964	0.024228
<i>Upf2</i>	chr2:5951468-6056703	17.2094	19.5450	0.1836	0.009627
<i>Cbx8</i>	chr11:119036304-119040969	7.5630	5.8888	-0.3610	0.034168
<i>Col27a1</i>	chr4:63214003-63334991	0.0337	0.0839	1.3156	0.022585
<i>Bfar</i>	chr16:13671857-13703612	22.1484	18.3968	-0.2677	0.033850
<i>Ppp1cc</i>	chr5:122158277-122175273	6.1232	4.8885	-0.3249	0.007262
<i>4933421O10Rik</i>	chr4:33027141-33031323	1.8981	2.5483	0.4250	0.043862
<i>Cdkn2c</i>	chr4:109660875-109667189	3.6169	4.7260	0.3859	0.024121
<i>Hbp1</i>	chr12:31926253-31950535	37.1199	41.0757	0.1461	0.008715
<i>Hist1h2an</i>	chr13:21786825-21787218	8.9541	14.7406	0.7192	0.086819
<i>Zfp329</i>	chr7:12804976-12818858	20.9282	17.5217	-0.2563	0.029922
<i>Fer15</i>	chr1:36372290-36422110	0.6356	0.3985	-0.6736	0.017590
<i>Exosc9</i>	chr3:36552605-36565729	10.4910	12.1838	0.2158	0.017849
<i>Eif1</i>	chr11:100319884-100322096	18.0190	23.5458	0.3860	0.138935
<i>Wibg</i>	chr10:128747878-128766568	58.0729	72.1006	0.3121	0.074405
<i>Ier3</i>	chr17:35821683-35822923	4.4235	6.0437	0.4502	0.007755
<i>Sfi1</i>	chr11:3131849-3193463	26.8753	31.5399	0.2309	0.091820
<i>Dcp2</i>	chr18:44380499-44424969	18.2724	14.9985	-0.2848	0.046255
<i>Psmb4</i>	chr3:94884092-94886961	79.6384	62.8339	-0.3419	0.063245
<i>Ogfrl1</i>	chr1:23366423-23383175	0.5562	0.8348	0.5857	0.015577
<i>Sgol2</i>	chr1:57995970-58025899	1.1446	1.8335	0.6798	0.118390
<i>Dynll1</i>	chr5:115297109-115300999	15.7417	11.4681	-0.4570	0.102800
<i>Tnpo2</i>	chr8:85036914-85057583	23.3310	20.3489	-0.1973	0.003804
<i>Rnf138</i>	chr18:21001340-21028223	23.2808	26.9247	0.2098	0.046737
<i>Mxd3</i>	chr13:55325167-55329758	7.1145	8.8894	0.3213	0.031009
<i>Habp4</i>	chr13:64161865-64186536	8.7926	7.1471	-0.2989	0.009035
<i>Nono</i>	chrX:101429317-101448591	52.1091	60.5989	0.2178	0.048298
<i>Mid1</i>	chrX:169685198-170005736	0.9175	1.3330	0.5389	0.098942
<i>Pinx1</i>	chr14:63860311-63919859	10.1912	12.6687	0.3139	0.020997
<i>Gm20463</i>	chr17:34601150-34601576	12.9470	19.0397	0.5564	0.037939

<i>Dcbld2</i>	chr16:58408442-58469727	1.3260	1.7966	0.4381	0.115038
<i>Fam78a</i>	chr2:32050054-32084857	79.2368	69.4542	-0.1901	0.012151
<i>Ptpn12</i>	chr5:20986644-21055911	11.5231	13.4213	0.2200	0.018686
<i>Galnt6os</i>	chr15:100695779-100704896	19.9603	15.8000	-0.3372	0.031893
<i>Psme1</i>	chr14:55578122-55581529	157.3530	182.2715	0.2121	0.054485
<i>Pgm2</i>	chr4:99929413-99987294	12.9334	15.1385	0.2271	0.024996
<i>Tspan31</i>	chr10:127067316-127070261	14.4985	17.3633	0.2601	0.022405
<i>Klf11</i>	chr12:24651370-24662774	4.6775	6.3706	0.4457	0.083560
<i>Klf6</i>	chr13:5861488-5870393	59.5700	70.8247	0.2497	0.070782
<i>Spns1</i>	chr7:126370059-126377450	14.8765	12.2386	-0.2816	0.029379
<i>Tmem209</i>	chr6:30479052-30509783	11.2622	12.5833	0.1600	0.009993
<i>Acpp</i>	chr9:104288250-104337728	3.3467	2.4995	-0.4211	0.058061
<i>Letm2</i>	chr8:25578491-25597487	8.1992	9.8301	0.2617	0.003342
<i>Hist1h4f</i>	chr13:23551257-23551648	23.1377	30.8262	0.4139	0.072505
<i>A930038B10Rik</i>	chr14:34759401-34770553	0.9317	0.6098	-0.6116	0.053707
<i>Ube4bos1</i>	chr4:149347884-149365277	3.3855	2.5504	-0.4086	0.004795
<i>Kcnh3</i>	chr15:99224975-99242817	1.4143	0.8968	-0.6573	0.021263
<i>Xcl1</i>	chr1:164931643-164935527	37.3514	51.3279	0.4586	0.103832
<i>Trav9-2</i>	chr14:53591079-53591514	6.0422	3.1815	-0.9254	0.031875
<i>Ap1s3</i>	chr1:79606875-79671972	1.3431	1.9174	0.5136	0.027811
<i>lfng</i>	chr10:118441046-118445892	0.8557	1.7971	1.0704	0.071032
<i>Odc1</i>	chr12:17544872-17551502	12.4662	14.9142	0.2587	0.043775
<i>Hist1h2bc</i>	chr13:23684198-23692488	17.8226	23.6172	0.4061	0.096916
<i>Adam22</i>	chr5:8072351-8368160	0.4242	0.6323	0.5760	0.110186
<i>Acacb</i>	chr5:114146534-114250761	0.2751	0.1597	-0.7842	0.014607
<i>Ube2h</i>	chr6:30211288-30304539	24.0017	20.9500	-0.1962	0.001481
<i>S1pr5</i>	chr9:21242911-21248443	0.6711	1.3574	1.0163	0.125919
<i>Zc3h3</i>	chr15:75754431-75841915	0.7272	0.4031	-0.8511	0.027149
<i>H2-Q10</i>	chr17:35470088-35474563	1.0731	1.6518	0.6222	0.094899
<i>Tlk1</i>	chr2:70712406-70825728	25.1164	28.4678	0.1807	0.026614
<i>Tdo2</i>	chr3:81957089-81975750	1.4266	2.0111	0.4954	0.041405
<i>Pigv</i>	chr4:133660386-133672647	8.3584	6.9043	-0.2757	0.018436
<i>Kctd18</i>	chr1:57955100-58018956	5.9317	6.7559	0.1877	0.041100
<i>4933427G23Rik</i>	chr5:23815617-23831897	1.0973	0.6196	-0.8246	0.032625
<i>Plk1</i>	chr7:122159436-122169875	1.3701	2.1440	0.6460	0.080277
<i>Mphosph6</i>	chr8:117791644-117801929	11.6715	15.0672	0.3684	0.060139
<i>Spin2c</i>	chrX:153832224-153834243	6.4663	8.3741	0.3730	0.027558
<i>Sh3pxd2a</i>	chr19:47260173-47464411	6.6753	5.6279	-0.2462	0.021450
<i>Rabgap1l</i>	chr1:160219173-160792938	18.4180	20.9673	0.1870	0.047875
<i>Henmt1</i>	chr3:108940083-108960773	0.3184	0.7309	1.1989	0.024186
<i>Dnajc8</i>	chr4:132535549-132553742	56.5672	68.3739	0.2735	0.079700
<i>Klra10</i>	chr6:130269193-130281928	1.2191	2.2265	0.8690	0.009019
<i>Snord22</i>	chr19:8725865-8725991	178.1292	90.6938	-0.9738	0.080250
<i>Nfe2l2</i>	chr2:75675512-75704641	23.3039	25.8621	0.1503	0.003803
<i>Ggt1</i>	chr10:75561603-75586200	35.6646	29.2890	-0.2841	0.048674
<i>Txnrd1</i>	chr10:82859205-82897724	26.1849	22.8684	-0.1954	0.002553
<i>Trim17</i>	chr11:58954684-58973098	11.2902	13.2431	0.2302	0.038664
<i>Slc16a10</i>	chr10:40033534-40142254	2.2915	1.7261	-0.4088	0.020861
<i>Mpr1p</i>	chr11:59661304-59780860	6.4671	5.5730	-0.2147	0.009012
<i>Hist1h2bb</i>	chr13:23746733-23747202	53.3761	65.3977	0.2930	0.069781
<i>Anapc7</i>	chr5:122421692-122444912	9.2324	7.8252	-0.2386	0.007374
<i>Zw10</i>	chr9:49055580-49078772	21.6226	18.0954	-0.2569	0.028600
<i>Als2cl</i>	chr9:110879869-110900530	91.4006	77.0813	-0.2458	0.030800
<i>Actr1b</i>	chr1:36699201-36714422	26.4440	22.9842	-0.2023	0.001641
<i>Dtwd1</i>	chr2:126152140-126165279	5.7146	7.6349	0.4180	0.036394
<i>Tspan1</i>	chr4:116161868-116167601	0.5252	0.9458	0.8488	0.056120
<i>Rps15a-ps3</i>	chr4:150847112-150847507	9.0418	4.7456	-0.9300	0.050654
<i>Gm15777</i>	chr5:100670858-100678105	5.4813	7.5858	0.4688	0.031313
<i>Rnf135</i>	chr11:80183850-80199757	4.2305	3.1355	-0.4321	0.017308
<i>Zfp455</i>	chr13:67194505-67209298	2.8984	3.7631	0.3767	0.035264
<i>Rasgrf2</i>	chr13:91880399-92131656	0.7607	1.2266	0.6893	0.125208
<i>Enc1</i>	chr13:97241104-97253039	11.4922	9.9216	-0.2120	0.001570
<i>Junb</i>	chr8:84976908-84978748	74.5619	94.1545	0.3366	0.112764
<i>Enpp4</i>	chr17:44096307-44105809	12.7195	10.3879	-0.2921	0.045765
<i>Gm10505</i>	chr17:27342459-27344825	1.4675	2.1785	0.5700	0.000769
<i>Mdfic</i>	chr6:15720660-15802165	1.0517	1.4891	0.5017	0.127414
<i>Tpm3-rs7</i>	chr14:113314607-113316713	4.7155	6.9282	0.5551	0.099434
<i>Med20</i>	chr17:47611581-47624418	15.4217	12.9500	-0.2520	0.029925
<i>Tnk2</i>	chr16:32643873-32683493	11.3804	9.1536	-0.3141	0.059336
<i>Cxadr</i>	chr16:78301495-78359785	0.8708	1.2216	0.4883	0.076497
<i>lfit3</i>	chr19:34583530-34588731	19.5948	39.9280	1.0269	0.040431

<i>Ttpal</i>	chr2:163602313-163619013	18.3585	15.6658	-0.2288	0.021542
<i>Otud6b</i>	chr4:14809497-14826587	9.2195	11.3048	0.2942	0.044022
<i>Ptbp3</i>	chr4:59471867-59549364	90.1409	103.3829	0.1977	0.037784
<i>Traj21</i>	chr14:54198789-54198846	224.2993	294.1778	0.3913	0.072112
<i>FrmD8</i>	chr19:5849701-5875274	41.9311	36.2132	-0.2115	0.015201
<i>Mmps36</i>	chr13:100735954-100744659	2.8045	4.2032	0.5837	0.046245
<i>Ccdc34</i>	chr2:110017816-110173360	1.0773	1.4274	0.4060	0.037169
<i>Zfp39</i>	chr11:58888152-58904225	10.8100	13.0642	0.2733	0.057620
<i>Polg</i>	chr7:79448790-79466362	18.6150	16.2240	-0.1983	0.010713
<i>Tenn1</i>	chrX:42527865-43429126	0.2224	0.3391	0.6088	0.145766
<i>Gm7008</i>	chr12:40222757-40229184	5.4224	7.4229	0.4531	0.048949
<i>Ly6c2</i>	chr15:75108159-75111684	296.2021	445.4554	0.5887	0.053334
<i>B3gnt5</i>	chr16:19760207-19772753	14.3960	16.6640	0.2111	0.069634
<i>Gm10814</i>	chr19:6012619-6018426	10.6477	8.3941	-0.3431	0.027994
<i>Lactb2</i>	chr1:13624844-13660546	10.9753	12.6398	0.2037	0.007518
<i>Rsrc1</i>	chr3:66981389-67358396	3.3286	3.9876	0.2606	0.048615
<i>Ccr9</i>	chr9:123678438-123783457	54.9219	40.6154	-0.4354	0.130088
<i>Nelfb</i>	chr2:25199711-25211489	30.5064	26.6080	-0.1973	0.006267
<i>Gm16372</i>	chr12:24493206-24493656	3.1580	5.7479	0.8640	0.076937
<i>Gm9887</i>	chr12:69371834-69372458	18.0082	13.5986	-0.4052	0.018636
<i>H3f3a</i>	chr1:180800831-180813943	12.8015	20.3794	0.6708	0.063961
<i>Pwp2</i>	chr10:78170909-78185149	23.4306	20.0368	-0.2257	0.014432
<i>1700110K17Rik</i>	chr9:40323425-40343564	6.0725	8.2453	0.4413	0.048675
<i>Gemin2</i>	chr12:59013392-59028470	6.1592	4.8001	-0.3597	0.014310
<i>Bre</i>	chr5:31697683-32084962	8.4418	9.8429	0.2215	0.040553
<i>Cecr6</i>	chr6:120488938-120493807	0.2261	0.3880	0.7790	0.000795
<i>Ap1m2</i>	chr9:21295456-21312333	2.7887	1.6153	-0.7878	0.056836
<i>Traj23</i>	chr14:54196080-54196140	113.7525	153.1247	0.4288	0.048882
<i>Pydc4</i>	chr1:173566283-173599274	60.5025	74.4638	0.2995	0.132668
<i>Gm6225</i>	chr18:3336415-3366863	1.5746	2.3462	0.5753	0.018715
<i>Lrrcc1</i>	chr3:14533787-14572658	7.2680	8.3754	0.2046	0.036283
<i>Ascl4</i>	chr10:85928490-85946206	7.5866	9.7295	0.3589	0.041854
<i>H3f3b</i>	chr11:116021911-116027962	53.8585	67.0889	0.3169	0.144320
<i>Engase</i>	chr11:118476828-118489209	2.4656	1.9121	-0.3668	0.013611
<i>Ppwd1</i>	chr13:104205120-104228844	11.6555	13.5690	0.2193	0.018542
<i>1600020E01Rik</i>	chr6:86526270-86564442	21.0369	16.8197	-0.3228	0.054495
<i>Gm20650</i>	chr7:126891621-126897236	15.7588	10.0730	-0.6457	0.001880
<i>Gm28047</i>	chr15:102536653-102625421	4.4557	5.6837	0.3512	0.092628
<i>2810408M09Rik</i>	chr2:165490109-165493324	9.4968	7.4538	-0.3495	0.029033
<i>Trim59</i>	chr3:69035287-69044755	15.7889	20.1028	0.3485	0.169822
<i>Wrap73</i>	chr4:154142371-154167420	8.6830	7.3068	-0.2490	0.005732
<i>Gm15738</i>	chr16:13384173-13404686	1.9124	0.8776	-1.1238	0.000376
<i>Gm9985</i>	chr10:75590141-75590653	4.7177	7.0389	0.5773	0.006591
<i>Zfp386</i>	chr12:116047723-116063360	25.6412	28.6742	0.1613	0.024492
<i>Nt5e</i>	chr9:88327608-88372089	32.4330	39.0798	0.2690	0.107602
<i>Slc39a2</i>	chr14:51892888-51896745	1.0651	0.6867	-0.6333	0.013054
<i>Myb</i>	chr10:21124929-21160984	25.1026	30.1542	0.2645	0.094231
<i>Tsen54</i>	chr11:115814723-115823094	8.5077	6.8473	-0.3132	0.011343
<i>Gm14636</i>	chrX:19156980-19167241	0.3863	0.6221	0.6876	0.122981
<i>Gm15821</i>	chr17:34211311-34214459	46.7571	39.3156	-0.2501	0.035120
<i>Itgb7</i>	chr15:102215994-102231935	289.9482	247.3298	-0.2294	0.053105
<i>Gm19557</i>	chr19:47512981-47516578	4.9590	6.2584	0.3357	0.059690
<i>Tjrc</i>	chr16:32608919-32632794	27.9693	23.2178	-0.2686	0.057349
<i>Ganab</i>	chr19:8898089-8916663	56.2945	48.3021	-0.2209	0.038636
<i>Spata5l1</i>	chr2:122630624-122632930	10.5917	7.9882	-0.4070	0.062280
<i>Gm16033</i>	chr11:46143782-46147116	20.4285	14.5516	-0.4894	0.094959
<i>Ikzf3</i>	chr11:98464901-98546031	19.4252	23.2807	0.2612	0.126531
<i>Brf1</i>	chr12:112959861-113000621	40.2057	34.6361	-0.2151	0.017335
<i>TcrG-C2</i>	chr13:19305059-19307551	7.8856	12.2398	0.6343	0.090335
<i>Sh3bp2</i>	chr5:34525837-34563638	2.9008	3.7792	0.3816	0.070261
<i>Fbxo21</i>	chr5:117976769-118010191	9.9162	8.3737	-0.2439	0.008476
<i>Iqcd</i>	chr5:120589015-120607114	1.8338	1.1544	-0.6677	0.005696
<i>Klra8</i>	chr6:130115225-130129898	1.0848	2.3943	1.1422	0.106457
<i>Podnl1</i>	chr8:84125988-84132527	6.0656	4.9184	-0.3025	0.015101
<i>Zfp706</i>	chr15:36997030-37007402	12.3246	10.3321	-0.2544	0.025962
<i>A930015D03Rik</i>	chr17:35994452-36038435	14.3312	10.3617	-0.4679	0.084574
<i>B230216N24Rik</i>	chr1:98031115-98057680	0.4688	0.8302	0.8244	0.137242
<i>Tsn</i>	chr1:118298516-118311132	43.5720	36.4040	-0.2593	0.041257
<i>Rpl30-ps3</i>	chr2:90747615-90747963	8.5774	12.4191	0.5340	0.028018
<i>Gm26165</i>	chr2:144261588-144261726	18.1592	9.9626	-0.8661	0.047329
<i>Nfs1</i>	chr2:156078928-156144186	16.1498	13.7440	-0.2327	0.020542

Gm17275	chr1:180802567-180809483	22.0718	33.4304	0.5990	0.062944
Prr11	chr11:87089152-87108708	0.2146	0.4883	1.1862	0.215825
Gm20319	chr16:26714445-26755502	1.7410	2.7801	0.6753	0.048993
Tg	chr15:66670752-66850721	0.1922	0.3040	0.6611	0.019195
Prkce	chr17:86167784-86657919	0.7709	1.0493	0.4449	0.049714
March3	chr18:56761715-56925548	0.3629	0.5798	0.6759	0.070592
B230398E01Rik	chr3:94959033-94962048	8.2790	9.8147	0.2455	0.008485
Herc6	chr6:57580991-57665136	18.6090	22.4652	0.2717	0.106833
Sp25	chr2:69193894-69206194	1.2048	1.7543	0.5421	0.071970
Pld2	chr11:70540063-70558110	0.7108	0.9815	0.4655	0.025548
Coro1a	chr7:126699772-126707787	561.0481	475.4475	-0.2388	0.042968
Fam219b	chr9:57537527-57543187	14.8849	12.5196	-0.2497	0.010363
Phf11a	chr14:59276912-59297522	2.1432	3.2701	0.6096	0.073893
Gm16464	chr7:104501054-104502149	1.9416	3.0926	0.6716	0.053783
Tmem123	chr9:7764040-7794333	68.9175	80.1693	0.2182	0.062268
Ilvbl	chr10:78574499-78584498	23.3966	19.9266	-0.2316	0.010946
Gn11	chr17:35979850-35989462	19.8570	16.8963	-0.2329	0.016613
5430427019Rik	chrX:85870353-85891499	2.5501	3.6560	0.5197	0.114973
Cbx6	chr15:79823895-79834688	6.3410	5.2957	-0.2599	0.032874
Daxx	chr17:33909413-33915589	36.5027	41.4663	0.1839	0.064772
Cep57	chr9:13807791-13827107	16.5037	18.4944	0.1643	0.011902
March9	chr10:127055010-127060184	1.7063	1.1394	-0.5825	0.047701
Erlc1	chr11:30930773-30954335	5.6470	7.0270	0.3154	0.106840
Tmed8	chr12:87166241-87200229	11.1252	9.4962	-0.2284	0.033693
Ankdd1b	chr13:96416133-96471198	0.6699	1.0395	0.6339	0.046356
Vps9d1	chr8:123242355-123254348	5.2185	4.3567	-0.2604	0.008215
Sun2	chr15:79724069-79742536	135.5991	117.3110	-0.2090	0.047281
Srsf11	chr3:158010472-158036639	30.3481	33.2320	0.1310	0.007002
Anapc10	chr8:79711819-79777321	4.2617	5.3536	0.3291	0.051549
Ndufs5	chr4:123712709-123718202	3.5518	2.2278	-0.6729	0.007060
Trp53i13	chr11:77508098-77515980	6.0872	4.7329	-0.3630	0.024275
Sirt3	chr7:140863669-140882309	6.7969	5.3387	-0.3484	0.000640
Traj33	chr14:54185357-54185414	47.5120	27.9275	-0.7666	0.034163
Mapre2	chr18:23752332-23893861	1.7766	2.2914	0.3671	0.134204
Ctnnb1	chr9:120929215-120960507	84.4383	73.4158	-0.2018	0.027789
AU041133	chr10:82138252-82152011	9.0831	6.9715	-0.3817	0.039368
B3galnt2	chr13:13954673-13999068	29.6406	24.4172	-0.2797	0.067822
Polk	chr13:96480688-96542485	7.3979	8.6133	0.2194	0.038027
Gm5963	chr16:35573316-35573556	6.2332	2.9687	-1.0701	0.031691
Cables1	chr18:11839219-11945627	0.1708	0.3460	1.0184	0.008430
mt-Tm	chrM:3844-3913	8.8078	18.6744	1.0842	0.078331
mt-Tc	chrM:5191-5257	542.6304	671.0401	0.3064	0.125508
Mettl21c	chr1:44009407-44020034	1.3136	1.7584	0.4208	0.058800
Cd84	chr1:171839696-171890718	33.9127	37.9873	0.1637	0.051740
Cyfp1	chr7:55841744-55930700	0.7436	0.9429	0.3425	0.002236
Klh25	chr7:75848337-75874130	14.9332	12.3322	-0.2761	0.038492
Ptp4a1	chr1:30940302-30949770	1.1560	1.6156	0.4830	0.114407
Cstad	chr2:30595039-30608943	0.7579	1.4360	0.9220	0.045506
Mir15b	chr3:69009755-69009853	39.7152	21.9932	-0.8526	0.086661
Gm16740	chr3:95217456-95226658	12.5342	9.7560	-0.3615	0.012078
Snrb	chr2:130171413-130179403	68.9310	58.6884	-0.2321	0.029408
Nfkbid	chr7:30421731-30428746	31.0383	26.8300	-0.2102	0.012478
Sytl2	chr7:90348698-90410438	3.0657	3.8187	0.3168	0.105816
Cd3e	chr9:44998742-45009590	66.6217	80.6414	0.2755	0.148559
Gm19684	chr17:36121677-36129692	2.8219	1.8596	-0.6017	0.051688
NA	chr1:143605161-143606608	4.0422	5.7458	0.5074	0.142148
Gm1826	chr2:87393482-87394644	1.2236	2.0685	0.7574	0.050640
A830005F24Rik	chr13:48513569-48514859	1.0290	2.0108	0.9664	0.052844
Vamp8	chr6:72385222-72390703	19.6739	22.6941	0.2060	0.036085
Laptm4a	chr12:8921663-8938742	43.0058	48.1074	0.1617	0.023797
Slc36a4	chr9:15709737-15742384	0.9470	1.3602	0.5224	0.114205
Pim3	chr15:88862185-88865718	10.3397	8.5497	-0.2743	0.009201
Drc1	chr5:30281387-30366708	9.4168	6.7977	-0.4702	0.107794
Hmgcl	chr4:135946447-135962617	7.4828	6.0621	-0.3037	0.015203
Ormdl3	chr11:98581255-98587368	15.3313	13.0333	-0.2343	0.001448
O610009L18Rik	chr11:120348677-120351190	8.8390	6.1800	-0.5163	0.025657
Gm22513	chr12:54696781-54696945	24.7899	13.5617	-0.8702	0.129575
Hist1h2bf	chr13:23573735-23574196	4.6240	7.2650	0.6518	0.052513
Hist1h3a	chr13:23761852-23762386	9.9065	13.1820	0.4121	0.045173
Abcb9	chr5:124061529-124095798	8.4344	6.8704	-0.2959	0.076458
Trbj1-5	chr6:41535083-41535133	143.4375	97.8930	-0.5511	0.078760

<i>Lag3</i>	chr6:124904360-124911705	1.0826	2.1333	0.9786	0.203005
<i>Uevld</i>	chr7:46923538-46958527	0.8799	1.1716	0.4131	0.068984
<i>Cyp4v3</i>	chr8:45269670-45333216	2.9867	3.5336	0.2426	0.027219
<i>Gm24357</i>	chr9:15315521-15315595	63.0892	38.8606	-0.6991	0.120380
<i>Cd3d</i>	chr9:44981792-44987052	232.7761	194.9592	-0.2558	0.047137
<i>U2surp</i>	chr9:95456893-95511996	32.0277	36.1495	0.1747	0.040655
<i>Il7r</i>	chr15:9506160-9529876	195.2619	218.2785	0.1608	0.085673
<i>Amacr</i>	chr15:10981755-10996624	2.2386	1.5501	-0.5302	0.023173
<i>Atf4</i>	chr15:80255183-80257540	95.5091	108.2011	0.1800	0.055420
<i>Tob2</i>	chr15:81848269-81858326	12.3101	9.9340	-0.3094	0.092199
<i>Kpna3</i>	chr14:61365185-61439947	13.4998	15.2890	0.1796	0.017257
<i>Tbc1d10c</i>	chr19:4184357-4191047	239.5217	211.0951	-0.1823	0.016988
<i>Traf2</i>	chr2:25517981-25546940	12.1199	10.5864	-0.1952	0.000736
<i>Klf5c</i>	chr2:49619297-49774778	1.1090	1.5462	0.4795	0.142841
<i>Elp4</i>	chr2:105697319-105904564	2.5316	3.0579	0.2725	0.070448
<i>Rnu73b</i>	chr3:86140617-86140688	40.9492	24.7735	-0.7250	0.040110
<i>Dnaja1</i>	chr4:40722149-40737149	16.7774	12.7760	-0.3931	0.163577
<i>Gtpbp6</i>	chr5:110103974-110108197	14.0689	11.9426	-0.2364	0.012709
<i>Ccdc142</i>	chr6:83101616-83109939	10.5882	9.0726	-0.2229	0.006312
<i>Gm11974</i>	chr11:6525590-6528760	22.3768	18.1511	-0.3019	0.034956
<i>Cd38</i>	chr5:43868808-43912375	1.9859	3.1181	0.6508	0.136951
<i>Gm15739</i>	chr5:146248550-146249422	0.9457	1.7652	0.9004	0.018097
<i>Gnpat</i>	chr8:124863032-124890057	28.3030	24.3044	-0.2197	0.042168
<i>Taf9b</i>	chrX:106206882-106221158	7.9968	9.4950	0.2478	0.042374
<i>4632404H12Rik</i>	chr3:89767510-89773240	8.7703	7.0809	-0.3087	0.040274
<i>Gm18856</i>	chr13:13964486-13965860	0.4748	0.9492	0.9995	0.006552
<i>Myd88</i>	chr9:119335933-119341411	26.2995	22.4784	-0.2265	0.029817
<i>Rufy1</i>	chr11:50389285-50431125	11.2767	9.2401	-0.2874	0.025235
<i>Zfp335</i>	chr2:164891881-164911757	20.8627	18.0578	-0.2083	0.034097
<i>Gabpb1</i>	chr2:126627441-126676337	7.6019	8.5157	0.1638	0.018952
<i>Rpf2</i>	chr10:40223245-40247036	20.7367	24.1375	0.2191	0.058620
<i>Art2b</i>	chr7:101578859-101581161	85.4629	68.3595	-0.3222	0.080099
<i>Rassf5</i>	chr1:131176409-131245258	88.3565	78.0960	-0.1781	0.016417
<i>Fgd3</i>	chr13:49261553-49320311	26.2310	23.1464	-0.1805	0.015625
<i>Gm24060</i>	chr11:118180940-118181035	29.0432	18.1190	-0.6807	0.021587
<i>Traf4</i>	chr11:78158498-78165589	12.3939	10.2889	-0.2685	0.028786
<i>Plek</i>	chr11:16971205-17052381	11.0154	20.8784	0.9225	0.065607
<i>Wdr95</i>	chr5:149528678-149611894	1.0977	1.7163	0.6448	0.087303
<i>2900076A07Rik</i>	chr7:81523549-81531498	18.4783	15.0435	-0.2967	0.060898
<i>Vma21</i>	chrX:71815923-71839757	1.4353	1.8478	0.3644	0.087362
<i>C130026I21Rik</i>	chr1:84992689-85270566	1.4914	2.1870	0.5523	0.114602
<i>1700001O22Rik</i>	chr2:30794768-30803661	0.3375	0.7106	1.0743	0.114719
<i>Trav10n</i>	chr14:53122113-53122610	1.8785	3.7414	0.9940	0.038066
<i>Acadl</i>	chr1:66830838-66863277	14.0954	16.0730	0.1894	0.005586
<i>Fam120aas</i>	chr13:48968286-48972031	10.4882	12.5946	0.2640	0.036747
<i>D030056L22Rik</i>	chr19:18713192-18718428	12.4326	9.9355	-0.3235	0.035773
<i>Nrarp</i>	chr2:25180757-25183330	3.5116	5.1376	0.5490	0.122908
<i>Zbtb46</i>	chr2:181387761-181459426	2.1648	2.6350	0.2836	0.077324
<i>Gm23130</i>	chr10:23786469-23786543	76.6401	98.5611	0.3629	0.010078
<i>Tmtc2</i>	chr10:105187662-105574451	0.1781	0.0841	-1.0825	0.036143
<i>Gm27019</i>	chr6:31063091-31063495	2.9776	5.7753	0.9557	0.096327
<i>Cpne2</i>	chr8:94532989-94570529	0.2268	0.4380	0.9497	0.044213
<i>Gm5637</i>	chrX:60045110-60046229	2.4957	1.5475	-0.6894	0.015043
<i>Slc10a3</i>	chrX:74369216-74373349	15.3404	17.9908	0.2299	0.060646
<i>Ttc5</i>	chr14:50765414-50785518	27.1259	22.6912	-0.2575	0.032877
<i>Ifit2</i>	chr19:34550693-34576419	19.7209	23.3204	0.2419	0.103296
<i>Usp8</i>	chr2:126707327-126759297	30.1004	33.3272	0.1469	0.023543
<i>Rpf1</i>	chr3:146506347-146521423	70.5850	79.8599	0.1781	0.035033
<i>Rps6</i>	chr4:86854659-86857412	8.5971	10.4252	0.2781	0.038011
<i>Tusc1</i>	chr4:93334147-93335511	2.1139	1.2905	-0.7120	0.042071
<i>Dhdds</i>	chr4:133969027-134000918	7.6751	6.4900	-0.2420	0.002598
<i>Obscn</i>	chr11:58994255-59136402	0.0182	0.0409	1.1697	0.131355
<i>Tpi1</i>	chr6:124810585-124814296	19.9478	24.6980	0.3082	0.139048
<i>Lrrc42</i>	chr4:107233513-107253532	8.0486	6.5186	-0.3042	0.015270
<i>B3galt6</i>	chr4:155989465-155992678	7.1494	5.9044	-0.2760	0.010695
<i>4930481A15Rik</i>	chr19:5406739-5422847	4.5620	5.7527	0.3346	0.057123
<i>Klf1b</i>	chr4:149176318-149307693	12.9356	15.5213	0.2629	0.150563
<i>Smim7</i>	chr8:72565187-72571088	16.6725	14.0277	-0.2492	0.028523
<i>Gm15585</i>	chr16:17092814-17096350	6.1470	3.9949	-0.6217	0.059563
<i>Gm12000</i>	chr11:11695132-11696439	34.7109	27.5628	-0.3327	0.049178
<i>Gm16201</i>	chr7:139950395-139978977	0.3961	0.1878	-1.0767	0.017070

<i>Tecpr1</i>	chr5:144194441-144223615	36.2197	31.6508	-0.1945	0.039677
<i>Coa6</i>	chr8:126422500-126425434	16.6664	12.9368	-0.3655	0.029423
<i>Gm6969</i>	chr12:24638668-24639010	4.5157	2.1759	-1.0534	0.052101
<i>Hist1h1e</i>	chr13:23621754-23622502	147.2909	171.2414	0.2174	0.100641
<i>Tmed9</i>	chr13:55593134-55597663	49.4053	42.3476	-0.2224	0.031824
<i>Ube2k</i>	chr5:65537232-65598988	10.3111	13.5512	0.3942	0.131095
<i>Atp5sl</i>	chr7:25619413-25625551	18.9700	21.2930	0.1667	0.026922
<i>Fxyd5</i>	chr7:31032721-31042481	114.7648	136.1294	0.2463	0.119653
<i>G630030J09Rik</i>	chr7:31149527-31152707	9.6547	8.0888	-0.2553	0.000572
<i>Sult1a1</i>	chr7:126672864-126676432	3.1698	2.1504	-0.5597	0.036110
<i>Cask</i>	chrX:13517079-13851367	0.2292	0.3878	0.7584	0.070137
<i>Tuba1c</i>	chr15:99029890-99038105	8.8302	7.1907	-0.2963	0.011732
<i>Gm26908</i>	chr14:70205323-70217659	1.7178	1.0589	-0.6979	0.036106
<i>Gpr18</i>	chr14:121911434-121915774	81.6685	88.9609	0.1234	0.005150
<i>Snx9</i>	chr17:5841327-5931033	5.1599	6.5912	0.5352	0.083410
<i>Dnase1l2</i>	chr17:24440080-24443105	3.4564	2.6372	-0.3903	0.006782
<i>Fam173a</i>	chr17:25790507-25792284	50.0258	41.1824	-0.2806	0.048371
<i>Znrd1as</i>	chr17:36958591-36965622	2.9017	4.4958	0.6317	0.171019
<i>Wrb</i>	chr16:96145406-96157852	3.5683	2.9118	-0.2933	0.002211
<i>Cdc42bpg</i>	chr19:6306455-6325652	2.3980	1.8180	-0.3994	0.093053
<i>Ms4a4b</i>	chr19:11443552-11463549	164.2609	188.2658	0.1968	0.128537
<i>Dnajb2</i>	chr1:75236464-75244804	5.8687	7.6034	0.3736	0.041844
<i>Atp1b1</i>	chr1:164437266-164458355	24.7771	21.0266	-0.2368	0.021560
<i>Irf6</i>	chr1:193153111-193172042	4.8378	5.7503	0.2493	0.092959
<i>Cd74</i>	chr18:60803847-60812646	8.1182	11.1577	0.4588	0.119632
<i>9430097D07Rik</i>	chr2:32574183-32575684	0.6071	1.0505	0.7910	0.002009
<i>Cerkl</i>	chr2:79330542-79456785	8.1596	9.4879	0.2176	0.089575
<i>E130215H24Rik</i>	chr2:150667493-150668935	11.4996	9.0904	-0.3392	0.003230
<i>Gm26841</i>	chr2:152694732-152696692	16.9358	20.5086	0.2761	0.094791
<i>Gm11427</i>	chr11:83254195-83260534	4.2156	5.6067	0.4114	0.104186
<i>Rps4x</i>	chrX:102184904-102189394	186.9000	142.4046	-0.3923	0.153884
<i>Snora64</i>	chr17:24720771-24720905	27.5365	15.8522	-0.7967	0.112556
<i>Cecr5</i>	chr6:120509493-120531319	38.9551	33.5546	-0.2153	0.052786
<i>Ms4a4c</i>	chr19:11404769-11427246	85.7534	105.6564	0.3011	0.178834
<i>Gm10704</i>	chr3:88576244-88577208	7.3996	10.3014	0.4773	0.106920
<i>Hexb</i>	chr13:97176331-97198357	49.6361	41.8846	-0.2450	0.055537
<i>Ijih1</i>	chr2:62595797-62646255	6.9136	8.8847	0.3619	0.181541
<i>Ppp1r12c</i>	chr7:4481519-4501680	31.9994	28.4761	-0.1683	0.012430
<i>Chsy1</i>	chr7:66109514-66173789	30.9444	38.2237	0.3048	0.169380
<i>Nedd4</i>	chr9:72662556-72749842	19.3133	16.3289	-0.2422	0.042746
<i>Fam19a3</i>	chr3:104767405-104781840	0.2625	0.5214	0.9902	0.189839
<i>Gm11632</i>	chr11:98084456-98085424	14.2866	10.8872	-0.3920	0.036960
<i>Mfng</i>	chr15:78755881-78773475	36.2411	31.4253	-0.2057	0.024286
<i>Rpsa</i>	chr9:120127765-120132369	22.0758	17.5019	-0.3350	0.079840
<i>Cmpk2</i>	chr12:26469203-26479835	8.5107	11.2892	0.4076	0.172887
<i>B3gnt4</i>	chr5:123510459-123511882	2.7252	1.7232	-0.6613	0.062687
<i>Gimap6</i>	chr6:48701581-48708225	331.6268	374.4744	0.1753	0.081448
<i>Zfp82</i>	chr7:30054488-30072900	4.6834	3.9829	-0.2337	0.002474
<i>Cacna1a</i>	chr8:84388439-84640246	0.3865	0.5500	0.5089	0.080111
<i>Taf1d</i>	chr9:15306213-15312104	77.1608	89.2671	0.2103	0.071699
<i>Chmp7</i>	chr14:69716978-69732570	20.2050	17.5434	-0.2038	0.003564
<i>Gm17552</i>	chr19:4169565-4174284	4.8500	5.7827	0.2537	0.077781
<i>Sp100</i>	chr1:85649987-85709998	61.4762	68.4332	0.1547	0.100307
<i>Ppic</i>	chr18:53406340-53418007	16.1729	20.4844	0.3409	0.081741
<i>Orm3</i>	chr4:63356161-63359511	1.1613	2.1125	0.8631	0.053297
<i>Pfas</i>	chr11:68985696-69008460	8.4751	7.3436	-0.2067	0.022464
<i>Gm17083</i>	chr13:34006965-34008331	3.8735	5.1299	0.4053	0.036523
<i>Serinc5</i>	chr13:92611137-92711944	5.3887	4.4933	-0.2622	0.026463
<i>Chpf2</i>	chr5:24586740-24594395	16.7194	14.3466	-0.2208	0.048410
<i>Zbtb49</i>	chr5:38189734-38220457	2.7557	2.2644	-0.2833	0.029110
<i>Fam175a</i>	chr5:100805191-100820965	9.8605	11.3092	0.1978	0.034697
<i>Pop5</i>	chr5:115235835-115245351	17.7925	14.4044	-0.3048	0.056505
<i>Sema4f</i>	chr6:82911884-82939769	5.4417	4.4832	-0.2795	0.051886
<i>Sqle</i>	chr15:59315076-59331192	4.5124	3.3875	-0.4137	0.109032
<i>Hspbap1</i>	chr16:35770385-35828446	3.5897	2.9223	-0.2967	0.013225
<i>Zfyve27</i>	chr19:42163950-42194590	9.4703	8.2957	-0.1911	0.019145
<i>Hif1an</i>	chr19:44562849-44576274	10.8877	9.5720	-0.1858	0.007091
<i>Gm26224</i>	chr1:161035393-161035473	154.3210	218.7766	0.5035	0.174627
<i>Ptpn2</i>	chr18:67665510-67724595	30.9461	34.8549	0.1716	0.061693
<i>Cdnf</i>	chr2:3513029-3526376	0.8634	1.2655	0.5516	0.034686
<i>Slc25a25</i>	chr2:32414486-32451445	7.0103	5.9539	-0.2356	0.008238

<i>Xrn2</i>	chr2:147012995-147078000	173.3013	189.4962	0.1289	0.027511
<i>Eif2a</i>	chr3:58525820-58557501	15.6320	17.7864	0.1863	0.060918
<i>Rpa2</i>	chr4:132768331-132778752	16.5226	18.5034	0.1633	0.030411
<i>9130020K20Rik</i>	chr4:136347285-136350334	4.4763	3.5046	-0.3531	0.043981
<i>Slc25a33</i>	chr4:149744035-149774277	3.2821	2.3756	-0.4663	0.038249
<i>Trbv12-2</i>	chr6:41118863-41119364	89.8809	68.8148	-0.3853	0.112699
<i>Cdkn2aipnl</i>	chr11:51967660-51977334	50.0660	58.7176	0.2300	0.100835
<i>Slc36a1</i>	chr11:55204349-55236330	4.5850	3.6761	-0.3187	0.057795
<i>Myo18a</i>	chr11:77763245-77865980	4.3299	3.6884	-0.2313	0.027182
<i>Timm9</i>	chr12:71123172-71136675	19.3262	15.6975	-0.3000	0.027375
<i>Rnf10</i>	chr5:115241411-115272898	16.0833	13.4878	-0.2539	0.059132
<i>Ddx28</i>	chr8:106009615-106011486	8.4434	10.1178	0.2610	0.058789
<i>Ywhaz</i>	chr15:36770769-36794547	30.7883	35.5629	0.2080	0.096025
<i>Zfp740</i>	chr15:102203647-102215606	43.8163	39.1398	-0.1628	0.003292
<i>Ppig</i>	chr2:69722544-69754012	9.8345	11.1697	0.1837	0.060496
<i>Tpm3</i>	chr3:90072648-90100902	44.6907	51.0584	0.1922	0.100875
<i>Pdcd1</i>	chr1:94038306-94052553	2.6327	4.2389	0.6871	0.171090
<i>Abhd8</i>	chr8:71456699-71463657	46.3599	39.0506	-0.2475	0.046686
<i>Ece2</i>	chr16:20611592-20646485	1.6053	1.2377	-0.3752	0.033267
<i>Snord2</i>	chr16:23108952-23109021	98.2057	126.4130	0.3643	0.038848
<i>Ms4a6c</i>	chr19:11469367-11482197	52.4690	44.2761	-0.2449	0.059940
<i>Tardbp</i>	chr4:148612381-148627019	49.0426	43.6862	-0.1669	0.010558
<i>Gm12279</i>	chr11:62550046-62551041	3.4801	1.6793	-1.0513	0.002743
<i>C330007P06Rik</i>	chrX:36823736-36874111	5.2955	6.1425	0.2140	0.059305
<i>C330027C09Rik</i>	chr16:48994184-49019709	2.1361	2.6917	0.3335	0.129909
<i>Fxn</i>	chr19:24261452-24280605	3.6450	4.6156	0.3406	0.051997
<i>Fbxo5</i>	chr10:5799159-5805600	9.0757	10.9737	0.2740	0.086448
<i>Zmynd10</i>	chr9:107547309-107551319	1.5992	1.0144	-0.6568	0.030506
<i>Rgs16</i>	chr1:153740348-153745468	1.2515	1.9768	0.6595	0.167721
<i>Arhgap15os</i>	chr2:44059237-44065324	7.6144	5.9893	-0.3464	0.035957
<i>Rnf114</i>	chr2:167492644-167516173	60.7459	67.4678	0.1514	0.064749
<i>Tuba1b</i>	chr15:98931424-98934565	5.3319	3.9538	-0.4314	0.074109
<i>Plcb3</i>	chr19:6953713-6969759	2.0783	2.6344	0.3421	0.050497
<i>Tnfrsf1a</i>	chr6:125349361-125362484	8.8970	7.4816	-0.2500	0.004721
<i>Gemin8</i>	chrX:166170453-166190512	1.0508	1.4750	0.4892	0.006659
<i>Ijft1</i>	chr19:34640870-34650009	21.1332	36.3575	0.7827	0.077362
<i>Cntln</i>	chr4:84884308-85131921	0.4539	0.6588	0.5373	0.082134
<i>Arhgef12</i>	chr9:42963841-43105718	3.8981	3.2878	-0.2456	0.027829
<i>D630008O14Rik</i>	chr1:106541942-106575045	26.5412	22.4107	-0.2440	0.056298
<i>Psmc11</i>	chr11:80428614-80473248	6.9417	7.8628	0.1798	0.041605
<i>mt-Nd1</i>	chrM:2750-3707	830.5343	1046.8263	0.3339	0.204002
<i>Hist1h2af</i>	chr13:23533905-23534304	5.7448	9.0575	0.6569	0.068498
<i>Gm16234</i>	chr10:14664219-14668318	13.7713	16.8215	0.2886	0.052432
<i>Tbc1d15</i>	chr10:115197876-115251493	7.9139	9.6391	0.2845	0.172904
<i>Irf7</i>	chr7:141262705-141266481	35.9717	45.6205	0.3428	0.192260
<i>Taf11</i>	chr17:27901121-27909242	7.6975	6.0834	-0.3395	0.048919
<i>Ivd</i>	chr2:118861953-118882909	10.5144	9.0896	-0.2101	0.019959
<i>Unc13d</i>	chr11:116062094-116077961	43.3378	38.9555	-0.1538	0.009179
<i>Hist1h4d</i>	chr13:23581597-23581990	226.9976	347.8537	0.6158	0.070128
<i>Ctbp1</i>	chr5:33247723-33275004	72.9113	64.4378	-0.1782	0.023410
<i>Gm22270</i>	chr5:107905176-107905308	42.7808	30.3259	-0.4964	0.044151
<i>Bola3</i>	chr6:83349146-83360136	5.1488	6.3726	0.3076	0.132883
<i>Cmas</i>	chr6:142756685-142775714	27.3356	30.0792	0.1380	0.010068
<i>Ubfd1</i>	chr7:122067174-122082194	8.5766	7.3771	-0.2174	0.029164
<i>Cog4</i>	chr8:110846599-110882227	16.4211	14.0795	-0.2219	0.046647
<i>Zfp276</i>	chr8:123254194-123269745	9.9692	8.6324	-0.2077	0.016095
<i>Rad1</i>	chr15:10486017-10499063	4.7905	3.9956	-0.2618	0.037749
<i>Nckap5los</i>	chr15:99427700-99435313	3.0205	2.1002	-0.5242	0.046883
<i>Gm8909</i>	chr17:36164442-36168537	1.2738	1.8805	0.5620	0.014511
<i>Gm23246</i>	chr19:8725593-8725660	25.8719	39.5550	0.6125	0.033961
<i>Gm8369</i>	chr19:11492037-11512577	13.9384	17.5428	0.3318	0.148082
<i>2010002M12Rik</i>	chr19:34617048-34640743	1.1154	1.5414	0.4667	0.061263
<i>Phlda3</i>	chr1:135766118-135769136	0.7786	0.3866	-1.0099	0.041455
<i>Fasl</i>	chr1:161780690-161788495	2.3033	5.2553	1.1900	0.083930
<i>Malt1</i>	chr18:65430962-65478823	54.6892	60.2337	0.1393	0.043791
<i>Bmyc</i>	chr2:25706878-25707717	1.0365	2.1737	1.0684	0.100902
<i>Pdrg1</i>	chr2:153008889-153015427	23.8924	20.2116	-0.2414	0.036868
<i>Zswim1</i>	chr2:164822685-164826871	4.2774	5.1670	0.2726	0.029303
<i>Spg20</i>	chr3:55112107-55137322	6.9731	8.0298	0.2036	0.043285
<i>Smpd13b</i>	chr4:132732965-132757252	2.5930	4.9973	0.9465	0.105411
<i>Gm9625</i>	chr13:67810245-67811200	28.7486	20.7701	-0.4690	0.178015

<i>Gab3</i>	chrX:74966842-75085458	8.1414	9.7146	0.2549	0.121430
<i>Wdr90</i>	chr17:25844770-25861501	3.7193	3.1356	-0.2463	0.025778
<i>Gm9581</i>	chr16:59558012-59600886	0.2176	0.4220	0.9555	0.041518
<i>Hs1bp3</i>	chr12:8313432-8343824	1.6321	2.1303	0.3843	0.030679
<i>Zfp672</i>	chr11:58315113-58323346	16.0587	13.9874	-0.1992	0.008316
<i>E330009J07Rik</i>	chr6:40401374-40436135	12.1991	10.4206	-0.2273	0.038625
<i>Ldlr</i>	chr9:21723575-21749916	7.8933	6.2882	-0.3280	0.068367
<i>Samm50</i>	chr15:84192232-84214303	49.4581	42.3406	-0.2242	0.033344
<i>Gm15367</i>	chrX:75010589-75011605	0.9046	1.6220	0.8424	0.037998
<i>Pcgf5</i>	chr19:36379066-36456192	18.8808	15.8232	-0.2549	0.028787
<i>Srsf12</i>	chr4:33208990-33233340	2.7287	2.0755	-0.3948	0.032272
<i>4930507D05Rik</i>	chr10:62449488-62451322	1.4035	0.8872	-0.6618	0.015739
<i>Snord91a</i>	chr11:74905423-74905516	15.8910	7.6926	-1.0467	0.123494
<i>Trim27</i>	chr13:21179444-21194724	26.3985	23.5871	-0.1625	0.005001
<i>Trav14n-3</i>	chr14:53370295-53370575	5.9403	8.9976	0.5990	0.021758
<i>Setdb2</i>	chr14:59402008-59440884	17.4496	19.6182	0.1690	0.077398
<i>Shisa5</i>	chr9:109038564-109057724	653.8773	750.1194	0.1981	0.121230
<i>Srp3</i>	chrX:73774404-73778925	1.6091	2.1195	0.3975	0.016904
<i>Camsap3</i>	chr8:3587449-3609074	0.4630	0.2820	-0.7152	0.002267
<i>Apbb1</i>	chr7:105558485-105574402	0.9764	1.5147	0.6335	0.121131
<i>Tor1b</i>	chr2:30952958-30959015	23.1423	19.9275	-0.2158	0.050903
<i>Atp5e</i>	chr2:174461071-174464105	39.4575	30.4420	-0.3742	0.141512
<i>NA</i>	chr19:8770995-8772475	22.6943	17.6610	-0.3618	0.063926
<i>Kctd15</i>	chr7:34639013-34655509	0.3985	0.1723	-1.2095	0.105896
<i>Cxcr5</i>	chr9:44511787-44556391	8.7685	11.8260	0.4316	0.132281
<i>Gm10392</i>	chr11:77516659-77519198	7.4438	5.8391	-0.3503	0.044977
<i>4933440N22Rik</i>	chr6:117907109-117907760	24.5210	19.5472	-0.3271	0.040722
<i>Samhd1</i>	chr2:157097532-157135265	42.6731	48.7677	0.1926	0.161206
<i>Tra2a</i>	chr6:49243920-49264052	33.6226	28.6437	-0.2312	0.041200
<i>Fam49b</i>	chr15:63929096-64060448	56.6603	62.4740	0.1409	0.046928
<i>Phospho1</i>	chr11:95824498-95832140	2.9613	2.2025	-0.4271	0.010634
<i>Gpr132</i>	chr12:112850875-112860916	42.9702	37.2315	-0.2068	0.050853
<i>Ccni</i>	chr5:93181932-93206495	32.8627	37.5270	0.1915	0.077139
<i>Fam109b</i>	chr15:82338941-82345743	0.4171	0.6531	0.6467	0.022744
<i>Stat2</i>	chr10:128270575-128292849	13.1596	14.8220	0.1716	0.083676
<i>Smim14</i>	chr5:65446843-65537184	10.1043	11.2961	0.1608	0.058986
<i>Slc2a4rg-ps</i>	chr2:181384249-181387586	42.3914	35.7414	-0.2462	0.081030
<i>Slc31a1</i>	chr4:62360726-62391769	3.0403	3.6505	0.2639	0.049280
<i>Krba1</i>	chr6:48395585-48419855	4.6908	4.0438	-0.2141	0.016541
<i>Man2a2</i>	chr7:80349097-80371375	29.5813	26.6048	-0.1530	0.009704
<i>Cep55</i>	chr19:38055024-38074425	1.9623	2.8667	0.5468	0.187441
<i>Tmem19</i>	chr10:115340738-115362262	12.5046	10.7313	-0.2206	0.009762
<i>Hid1</i>	chr11:115347706-115367756	17.2381	14.7072	-0.2291	0.041530
<i>Gpr68</i>	chr12:100876681-100908198	49.7581	43.6505	-0.1889	0.026318
<i>Rpsud2</i>	chr2:119034789-119039769	4.1966	5.1759	0.3026	0.071372
<i>Errfi1</i>	chr4:150853918-150868892	3.8056	4.6927	0.3023	0.096464
<i>Mbd3</i>	chr10:80392538-80399550	19.6323	16.8498	-0.2205	0.014358
<i>Gm11724</i>	chr11:117789896-117791313	20.1882	15.3433	-0.3959	0.078162
<i>Itgb1bp2</i>	chrX:101449087-101453541	1.4499	2.1520	0.5697	0.099387
<i>1700025G04Rik</i>	chr1:151884523-152090320	3.0859	3.9142	0.3430	0.168849
<i>Gm17251</i>	chr17:33759991-33761870	8.1889	10.0806	0.2998	0.007153
<i>4930404I05Rik</i>	chr16:91011248-91016743	9.0268	7.2592	-0.3144	0.084054
<i>Chd3os</i>	chr11:69340460-69342641	1.4229	1.9872	0.4819	0.046673
<i>Hopx</i>	chr5:77086442-77115161	17.2604	19.9623	0.2098	0.077752
<i>Irf8</i>	chr8:120736357-120756694	2.0070	2.5613	0.3519	0.136564
<i>Slc35g1</i>	chr19:38395979-38405607	24.2469	20.7980	-0.2214	0.038301
<i>Ctdsp1</i>	chr1:74391508-74397285	12.9616	11.1917	-0.2118	0.017990
<i>Coq4</i>	chr2:29787492-29797935	1.2424	1.6614	0.4192	0.065321
<i>Ptpn22</i>	chr3:103859794-103912247	88.7410	97.6922	0.1386	0.090270
<i>Whrn</i>	chr4:63414909-63495991	0.3370	0.5524	0.7130	0.128613
<i>Saysd1</i>	chr14:20075645-20083172	8.0522	6.5374	-0.3007	0.026380
<i>Setbp1</i>	chr18:78750379-79109391	1.0002	1.3770	0.4613	0.170066
<i>2310031A07Rik</i>	chr11:46440361-46447248	8.0513	10.0287	0.3168	0.053621
<i>BC068281</i>	chr12:4843302-4856925	3.8297	3.0196	-0.3429	0.037934
<i>2610020H08Rik</i>	chr7:119794005-119848943	8.7238	7.4360	-0.2304	0.037341
<i>Gm21811</i>	chr8:20136454-20150494	1.0707	1.4368	0.4243	0.027407
<i>Cdhr4</i>	chr9:107983286-107999684	1.0975	0.6803	-0.6900	0.128719
<i>Zfp300</i>	chrX:21079173-21089527	1.7901	2.3013	0.3624	0.138201
<i>Zbtb33</i>	chrX:38189792-38197046	5.5943	6.8350	0.2890	0.155376
<i>Knstrn</i>	chr2:118814002-118853957	2.9059	3.4428	0.2446	0.065883
<i>Arsb</i>	chr13:93771678-93943016	2.7289	3.8156	0.4836	0.190730

Zc3hc1	chr6:30366379-30391028	6.3950	5.3742	-0.2509	0.031660
Aatf	chr11:84422854-84513522	26.4024	29.3754	0.1539	0.040723
Gm16283	chr18:49755793-49757189	3.1150	4.8133	0.6278	0.027876
1110046J04Rik	chr13:33935566-33960181	0.1837	0.3804	1.0504	0.147035
Gsap	chr5:21186266-21291701	8.8697	10.4218	0.2326	0.137241
Sun1	chr5:139200636-139249840	16.1369	14.0690	-0.1978	0.051178
Polr2i	chr7:30231947-30233390	11.9634	15.2058	0.3460	0.134807
Zfp473	chr7:44731480-44751050	0.1780	0.2948	0.7278	0.134543
9330175E14Rik	chr8:94422898-94435105	9.9349	8.3579	-0.2494	0.061934
Brcc3	chrX:75416627-75454001	6.8554	7.7077	0.1690	0.050254
A630033H20Rik	chrX:107148926-107173661	9.0319	10.8525	0.2649	0.158010
Ap1s2	chrX:163909016-163933666	5.2954	6.3703	0.2666	0.108519
Hmgn1	chr16:96120617-96127729	15.5795	12.6505	-0.3005	0.088082
Mfsd7b	chr1:191005831-191026190	14.1149	12.2715	-0.2019	0.012920
Snord17	chr2:144265978-144266216	1246.7172	1420.2252	0.1880	0.137179
Dcaf12	chr4:41291299-41314889	22.8602	20.0780	-0.1872	0.026370
Slc35d2	chr13:64096309-64129330	7.8273	9.2272	0.2374	0.075893
Gm24407	chr5:115490253-115490394	312.3330	157.0108	-0.9922	0.129686
Rsu1	chr2:13076966-13271431	3.6133	4.2872	0.2467	0.088528
Sgpp1	chr12:75714247-75735729	38.5943	42.8355	0.1504	0.043865
Pradc1	chr6:85446809-85451970	7.4727	5.7018	-0.3902	0.048590
Mettl17	chr14:51884841-51893039	17.8173	15.6539	-0.1868	0.020486
Lrrc58	chr16:37868388-37888858	12.3373	11.0504	-0.1589	0.000787
Limk2	chr11:3344255-3409189	25.1348	22.5205	-0.1584	0.013272
Tmem29	chrX:150397772-150459154	1.0859	1.3360	0.2990	0.033064
C730034F03Rik	chr15:89429588-89430868	7.7356	6.1295	-0.3358	0.008949
Trim12a	chr7:104299893-104315466	41.1478	45.2550	0.1373	0.096296
Ahcy11	chr3:107663117-107696560	13.6865	12.0035	-0.1893	0.026863
Psemb6	chr11:70525366-70527858	52.8658	61.8327	0.2260	0.130248
Ak3	chr19:29020832-29047961	34.1436	29.9841	-0.1874	0.020304
Srrm1	chr4:135320483-135353321	12.7843	14.3665	0.1683	0.116606
Gnptab	chr10:88379131-88447329	12.0625	14.7527	0.2905	0.224200
Fcho2	chr13:98723406-98815449	5.7366	7.3293	0.3535	0.231165
St7	chr6:17692932-17943025	1.7993	2.0886	0.2151	0.021504
Ezh2	chr6:47530273-47595341	6.1872	6.8807	0.1533	0.009473
Hmgb2	chr8:57511842-57515999	3.4034	4.3611	0.3577	0.129921
NA	chr17:32403005-32404698	54.1472	47.6631	-0.1840	0.020513
Kiz	chr2:146855863-146970097	15.0276	17.3726	0.2092	0.064269
B4galt7	chr13:55599895-55610443	25.3476	22.1734	-0.1930	0.020188
Mfsd6	chr1:52656285-52727462	7.6721	9.2148	0.2643	0.176885
Akap12	chr10:4266328-4359468	3.3549	2.7436	-0.2902	0.042867
Gm20470	chr10:7743519-7761099	46.9638	55.2122	0.2334	0.030011
Gm15200	chr10:42698035-42698518	20.5219	26.0433	0.3437	0.087576
Rpl23a	chr11:78180931-78183584	8.6288	10.8608	0.3319	0.079071
Ly86	chr13:37345344-37419036	0.7385	1.7988	1.2845	0.227445
Irga1	chr13:114958078-115101964	0.1882	0.3223	0.7762	0.096900
Slc2a9	chr5:38349272-38503143	4.3432	3.6152	-0.2647	0.023662
Gimap4	chr6:48684548-48692060	771.4342	854.0759	0.1468	0.077212
Cd22	chr7:30865401-30880342	0.8447	2.0500	1.2791	0.122416
Slc25a15	chr8:22375553-22398621	4.3203	3.5498	-0.2834	0.007021
Tmem115	chr9:107533944-107538656	18.5186	15.6537	-0.2425	0.048606
Eomes	chr9:118478211-118486132	27.7204	34.2140	0.3036	0.167088
Selk	chr14:29968307-29975074	16.1610	12.8265	-0.3334	0.054722
Rps10	chr17:27630421-27636629	61.7607	47.9115	-0.3663	0.139482
Ydjc	chr16:17144620-17160701	3.3033	2.7247	-0.2778	0.026516
Tmem163	chr1:127486545-127678096	0.7016	1.0636	0.6001	0.079729
mt-Tl1	chrM:2675-2750	12.6892	21.7549	0.7777	0.039754
Rnf13	chr3:57736065-57835233	22.5067	24.8506	0.1429	0.015522
Hist2h4	chr3:96261703-96263311	29.0230	44.0850	0.6031	0.081807
Celsr2	chr3:108390850-108415552	0.5433	0.4014	-0.4365	0.041539
Nfia	chr4:97772733-98118874	0.3889	0.5602	0.5264	0.125675
NA	chr2:13557847-13560324	0.1847	0.4309	1.2225	0.109517
Nphp4	chr4:152476705-152563183	0.0915	0.2082	1.1861	0.197972
Gm26522	chr7:88278786-88283529	4.4772	5.7179	0.3529	0.102575
Gsto1	chr19:47854969-47864790	5.2417	6.8016	0.3758	0.118459
Nrd1	chr4:109000654-109061777	20.4849	18.2097	-0.1699	0.011487
Ppp1r12a	chr10:108162399-108277575	113.9354	126.1792	0.1473	0.088881
Trbc2	chr6:41546729-41548181	718.7331	843.8414	0.2315	0.160123
Oasl2	chr5:114896935-114912234	2.9516	5.5605	0.9137	0.070945
Dcp1a	chr14:30479564-30527056	13.9493	12.4237	-0.1671	0.005034
BC002059	chr17:16972909-16973770	25.5752	29.4750	0.2047	0.033826

<i>Med7</i>	chr11:46436924-46442721	4.4892	5.6109	0.3218	0.158515
<i>Zfp808</i>	chr13:62129915-62173419	1.2769	1.7570	0.4604	0.079977
<i>Ak6</i>	chr13:100651342-100666413	19.8997	15.9826	-0.3162	0.073288
<i>Plcg1</i>	chr2:160731299-160775760	62.2917	55.6047	-0.1638	0.029777
<i>Trappc3</i>	chr4:126262324-126275883	21.3635	18.0055	-0.2467	0.033702
<i>Pnrc2</i>	chr4:135870917-135873850	100.4509	113.0300	0.1702	0.078908
<i>Adat3</i>	chr10:80602879-80615783	9.9304	8.3775	-0.2453	0.074529
<i>Tsfn</i>	chr10:127011571-127030840	6.6401	5.5379	-0.2619	0.021312
<i>Rpl41</i>	chr10:128548113-128549305	148.1654	227.0676	0.6159	0.084027
<i>Snora5c</i>	chr11:6620318-6620454	15.7497	9.3796	-0.7477	0.039776
<i>Pttg1</i>	chr11:43420249-43426251	15.0951	17.1105	0.1808	0.042412
<i>Slu7</i>	chr11:43433743-43447981	36.5475	41.1786	0.1721	0.093825
<i>Gm12256</i>	chr11:58889709-58891548	20.5357	26.4773	0.3666	0.133782
<i>1700001P01Rik</i>	chr11:97771480-97775918	1.6953	0.7385	-1.1988	0.128483
<i>Zfp410</i>	chr12:84316858-84343830	19.1748	16.2490	-0.2389	0.056874
<i>Gm17139</i>	chr12:84918147-84919238	34.5807	28.3823	-0.2850	0.052632
<i>Clptm1l</i>	chr13:73604001-73620639	59.0930	51.9416	-0.1861	0.031603
<i>Art3</i>	chr5:92331826-92414628	0.1866	0.3267	0.8084	0.008493
<i>Hsd17b11</i>	chr5:103989761-104021919	5.6927	7.1271	0.3242	0.170844
<i>Gtf2ird1</i>	chr5:134357668-134456716	2.4933	1.9043	-0.3888	0.057891
<i>lqce</i>	chr5:140661826-140702378	5.0745	4.4743	-0.1816	0.010466
<i>Atp5j2</i>	chr5:145183697-145192062	25.8756	20.0211	-0.3701	0.109572
<i>Gm26625</i>	chr6:47546665-47551704	1.3678	1.8736	0.4539	0.084460
<i>Paip2b</i>	chr6:83805400-83831741	10.1344	8.8072	-0.2025	0.021197
<i>Gm17104</i>	chr7:30564736-30565356	46.6036	55.9771	0.2644	0.079657
<i>Cebpg</i>	chr7:35046421-35056503	16.0205	13.9797	-0.1966	0.027223
<i>Cd97</i>	chr8:83723250-83741326	175.0702	201.6318	0.2038	0.155124
<i>A230103J11Rik</i>	chr8:85053159-85060460	8.3158	6.9731	-0.2541	0.004024
<i>Cog2</i>	chr8:124520766-124520008	13.6366	12.0047	-0.1839	0.010245
<i>Kdm4d</i>	chr9:14462547-14500482	0.4114	0.7226	0.8127	0.143615
<i>Zfp609</i>	chr9:65692390-65827564	1.8402	2.2364	0.2813	0.091431
<i>Sept6</i>	chrX:36911325-36991794	43.3531	48.9860	0.1762	0.110273
<i>Cpsf1</i>	chr15:76595808-76607591	27.1812	23.8578	-0.1882	0.054068
<i>Dph3</i>	chr14:32080565-32085692	9.3181	10.5730	0.1823	0.045796
<i>Rabgga</i>	chr14:55715872-55722257	23.8803	20.0104	-0.2551	0.105467
<i>Gm15764</i>	chr16:18416681-18421997	2.0177	3.2770	0.6996	0.119069
<i>Slc15a2</i>	chr16:36750177-36784962	14.4404	9.6774	-0.5774	0.098856
<i>Cep97</i>	chr16:55899887-55934855	22.0719	19.7698	-0.1589	0.011394
<i>Minpp1</i>	chr19:32485768-32515370	13.9586	11.9036	-0.2298	0.031595
<i>Psd</i>	chr19:46312086-46327156	1.3555	0.9793	-0.4690	0.048898
<i>Zdhhc6</i>	chr19:55298300-55316032	18.3302	20.3503	0.1508	0.026707
<i>Klf7</i>	chr1:64029446-64122282	8.2189	9.4188	0.1966	0.145952
<i>Dgkd</i>	chr1:87853286-87944489	59.3408	53.6443	-0.1456	0.011663
<i>Ints7</i>	chr1:191575762-191622672	23.5604	20.8586	-0.1757	0.026945
<i>Cr2</i>	chr1:195136810-195176715	0.7052	0.9322	0.4027	0.064510
<i>Rbms1</i>	chr2:60750192-60963192	18.0884	20.2556	0.1633	0.089592
<i>Scrn3</i>	chr2:73312600-73337818	1.2161	1.5940	0.3904	0.108729
<i>Ptprj</i>	chr2:90429753-90580647	0.5424	0.8338	0.6205	0.278872
<i>Stard7</i>	chr2:127270217-127298932	22.8458	19.5359	-0.2258	0.072103
<i>lft80</i>	chr3:68892498-69004570	27.6786	30.2000	0.1258	0.055099
<i>Dennd2c</i>	chr3:103102603-103169769	0.8703	0.6001	-0.5364	0.100284
<i>Kcna3</i>	chr3:107036161-107038129	37.0074	32.5377	-0.1857	0.019119
<i>Mettl14</i>	chr3:123364644-123385990	7.2913	8.2179	0.1726	0.030389
<i>Pdp1</i>	chr4:11958183-11966452	6.5947	7.6263	0.2097	0.064512
<i>Rcan3</i>	chr4:135412307-135433853	9.2235	7.7606	-0.2491	0.061521
<i>Rpl11</i>	chr4:136028264-136053428	10.4014	8.3037	-0.3249	0.085273
<i>Klrc3</i>	chr6:129639063-129643337	0.6661	1.2938	0.9578	0.002562
<i>Bcl2a1b</i>	chr9:89199208-89207827	4.1741	5.6059	0.4255	0.024732
<i>4831440E17Rik</i>	chr5:25499066-25501541	2.8162	3.8157	0.4382	0.002241
<i>Traj19</i>	chr14:54200385-54200446	109.6898	81.1006	-0.4356	0.047878
<i>As3mt</i>	chr19:46707442-46741095	10.9734	12.9856	0.2429	0.090386
<i>Tab2</i>	chr10:7905652-7956230	19.2646	21.4720	0.1565	0.095685
<i>Edaradd</i>	chr13:12471208-12520450	0.8101	1.0537	0.3793	0.090525
<i>Slc11a2</i>	chr15:100387897-100425072	14.0682	12.1170	-0.2154	0.072466
<i>Reep3</i>	chr10:67009188-67096988	5.5523	6.2219	0.1643	0.024381
<i>Pabpc1</i>	chr15:36595660-36608973	53.5051	63.8698	0.2555	0.233232
<i>Pi4k2a</i>	chr19:42090434-42122218	8.9287	7.6203	-0.2286	0.027418
<i>H1f0</i>	chr15:79028211-79030498	1.4263	2.0579	0.5289	0.112842
<i>Atp1a1</i>	chr3:101576218-101604603	150.0382	132.0367	-0.1844	0.057245
<i>AA414768</i>	chrX:12936871-12938128	1.0174	0.5361	-0.9243	0.035223
<i>Pim1</i>	chr17:29490811-29495445	55.6296	69.3554	0.3182	0.201629

<i>Cenpf</i>	chr1:189640598-189688086	1.2833	1.7661	0.4607	0.219099
<i>D730045B01Rik</i>	chr5:151368863-151369172	5.6455	2.9647	-0.9292	0.089722
<i>Acaa2</i>	chr18:74779196-74806207	53.9924	45.3671	-0.2511	0.065123
<i>2700094K13Rik</i>	chr2:84669217-84670770	27.5130	22.5059	-0.2898	0.074291
<i>Gm26699</i>	chr6:38551530-38554007	11.9017	13.9297	0.2270	0.099644
<i>Ccdc173</i>	chr2:69758032-69789575	1.3937	1.9033	0.4495	0.055288
<i>Gna13</i>	chr11:109362830-109401369	41.6379	36.5332	-0.1887	0.058155
<i>Rps26-ps1</i>	chr8:107439175-107439585	12.0252	17.6067	0.5501	0.155121
<i>Ddx10</i>	chr9:53098453-53248112	37.9084	41.9722	0.1469	0.053430
<i>Asph</i>	chr4:9448068-9669344	0.0984	0.1481	0.5894	0.011214
<i>S1pr4</i>	chr10:81497744-81500132	90.9486	80.6246	-0.1738	0.051921
<i>Klhdc10</i>	chr6:30401867-30455179	5.5101	4.7842	-0.2038	0.037679
<i>4930523C07Rik</i>	chr1:160044383-160078428	44.2983	48.1046	0.1189	0.048094
<i>Otud1</i>	chr2:19658061-19660590	9.4911	11.4661	0.2727	0.124569
<i>Fasn</i>	chr11:120805939-120824178	29.3642	25.3327	-0.2131	0.105474
<i>Zfp677</i>	chr17:21383747-21399265	10.9236	8.9663	-0.2849	0.086425
<i>Snap29</i>	chr16:17406002-17430826	13.8237	15.7100	0.1845	0.077413
<i>Clp1</i>	chr2:84722103-84727350	17.6394	15.0743	-0.2267	0.037710
<i>Bai2</i>	chr4:129984869-130022633	2.8470	2.2297	-0.3526	0.096107
<i>Dido1</i>	chr2:180657963-180709999	30.0326	27.3237	-0.1364	0.005448
<i>Rfng</i>	chr11:120780745-120784207	3.7089	2.9410	-0.3347	0.017395
<i>Serpina3g</i>	chr12:104236244-104241939	2.5349	5.1619	1.0260	0.148607
<i>Ncoa7</i>	chr10:3064583-30803107	8.6888	9.9232	0.1917	0.112356
<i>Cisd1</i>	chr10:71330479-71344954	8.1569	6.4762	-0.3329	0.008274
<i>Suox</i>	chr10:128669886-128673918	15.9149	17.9476	0.1734	0.047605
<i>Ccl4</i>	chr11:83662583-83664683	4.7401	7.0312	0.5689	0.119095
<i>Gm15561</i>	chr12:69267770-69273432	9.8875	12.5004	0.3383	0.022216
<i>Tgfb3</i>	chr12:86056743-86079041	0.1734	0.3366	0.9568	0.049755
<i>Gm5665</i>	chr13:62699405-62726689	0.5117	0.8240	0.6872	0.031925
<i>Hmgb1</i>	chr5:149046701-149053513	7.6683	8.8807	0.2118	0.132023
<i>Trbj1-1</i>	chr6:41533863-41533911	92.5413	65.2709	-0.5037	0.048401
<i>Fam174b</i>	chr7:73740306-73776919	3.1569	4.5440	0.5255	0.171514
<i>Gm7964</i>	chr7:83755903-83757356	7.2403	5.2209	-0.4718	0.138110
<i>Pdf</i>	chr8:107044697-107048614	20.7767	17.6480	-0.2355	0.032191
<i>Cox5a</i>	chr9:57521231-57532424	65.7124	55.0405	-0.2557	0.073037
<i>Ccr5</i>	chr9:124121542-124147699	4.8720	8.7000	0.8365	0.111086
<i>Sntb1</i>	chr15:55638842-55906949	13.8276	16.3472	0.2415	0.150735
<i>Rangap1</i>	chr15:81704247-81729919	43.7553	38.8972	-0.1698	0.014594
<i>Cerk</i>	chr15:86139127-86186141	18.9750	16.2315	-0.2253	0.077951
<i>Dzip1</i>	chr14:118875519-118925314	19.0377	16.7077	-0.1883	0.031123
<i>Glo1</i>	chr17:30592865-30612659	15.5532	12.3904	-0.3280	0.131699
<i>Rpl7l1</i>	chr17:46773906-46782656	36.8458	31.4333	-0.2292	0.072033
<i>Gm9938</i>	chr19:23723278-23725034	13.1841	11.0451	-0.2554	0.032075
<i>Kif14</i>	chr1:136467957-136531511	0.4381	0.6966	0.6690	0.251016
<i>Ncoa6</i>	chr2:155390655-155473894	3.7843	4.4222	0.2247	0.163305
<i>Fdps</i>	chr3:89093591-89101967	14.3164	10.5747	-0.4371	0.124047
<i>Fam92a</i>	chr4:12153408-12172015	4.5406	5.3357	0.2328	0.117640
<i>Mad2l2</i>	chr4:148130383-148145699	3.2483	3.9828	0.2941	0.066674
<i>Agrn</i>	chr4:156165289-156197488	1.2619	1.5959	0.3387	0.170905
<i>Frs2</i>	chr10:117070128-117148474	5.2093	6.2465	0.2620	0.202917
<i>Lair1</i>	chr7:4007072-4063204	5.3920	6.1966	0.2007	0.048249
<i>Acp5</i>	chr9:22126730-22135746	140.3896	123.6386	-0.1833	0.035118
<i>Mis12</i>	chr11:71019610-71027371	13.4122	11.4244	-0.2314	0.036547
<i>Exoc8</i>	chr8:124890299-124897705	13.2280	11.7243	-0.1741	0.017970
<i>Acadvl</i>	chr11:70010182-70015411	34.8260	30.3083	-0.2005	0.040998
<i>Rnf32</i>	chr5:29195991-29225524	0.7663	1.0923	0.5113	0.025686
<i>Trbv14</i>	chr6:41135166-41135609	56.4107	47.8673	-0.2369	0.001434
<i>Gm1123</i>	chr9:99006964-99035690	1.4081	0.8597	-0.7119	0.011522
<i>Gm5805</i>	chr15:81972389-81972845	10.3527	6.7716	-0.6124	0.142450
<i>Syt3</i>	chr17:6673457-6738042	7.3595	6.2336	-0.2395	0.039233
<i>Slc24a5</i>	chr2:125068123-125088677	6.9034	8.1307	0.2361	0.076010
<i>NA</i>	chr10:63024314-63058813	0.6741	0.3679	-0.8738	0.065829
<i>Gm21885</i>	chr11:94284651-94285985	8.3020	5.5698	-0.5758	0.011106
<i>Traf3</i>	chr12:111166369-111267153	14.3478	12.8812	-0.1556	0.003539
<i>Smardc3</i>	chr5:24590817-24602012	9.5382	8.1606	-0.2250	0.047006
<i>3110082I17Rik</i>	chr5:139359738-139460502	1.7447	2.5346	0.5388	0.129821
<i>Copg1</i>	chr6:87887813-87913595	23.2412	21.0956	-0.1397	0.005806
<i>C77080</i>	chr4:129219577-129261404	0.2646	0.4143	0.6472	0.103881
<i>1500002C15Rik</i>	chr4:155732547-155734627	11.0332	9.1973	-0.2626	0.041998
<i>Mum1</i>	chr10:80226433-80243903	10.8591	9.5371	-0.1873	0.043563
<i>Tmem5</i>	chr10:122078113-122097371	3.4212	4.0427	0.2408	0.075076

<i>Ccdc50</i>	chr16:27388868-27452218	4.8643	5.7529	0.2420	0.170184
<i>Zcchc11</i>	chr4:108459425-108559421	24.1746	27.4244	0.1820	0.175904
<i>Xrcc5</i>	chr1:72307420-72394952	28.5818	31.1823	0.1256	0.004853
<i>Pde4d</i>	chr13:108449947-109953461	3.8145	3.3193	-0.2006	0.029040
<i>6430562O15Rik</i>	chr13:99396923-99412864	0.9144	0.6909	-0.4043	0.000932
<i>Tppp</i>	chr13:74009406-74035753	1.0151	1.3804	0.4435	0.106276
<i>Mxd4</i>	chr5:34173886-34187720	29.0037	24.7697	-0.2277	0.068135
<i>Snord21</i>	chr5:107904554-107904648	110.4802	151.9834	0.4601	0.173408
<i>Lysmd2</i>	chr9:75625731-75637773	6.1134	7.6235	0.3185	0.085432
<i>Rgl2</i>	chr17:33929542-33937687	28.1727	25.3061	-0.1548	0.010772
<i>Rnf5</i>	chr17:34601090-34603690	5.8267	7.4701	0.3584	0.111805
<i>Gm16299</i>	chr19:53819353-53825128	0.4010	1.7296	2.1086	0.124552
<i>Scarna6</i>	chr1:87784555-87784820	135.3059	104.3292	-0.3751	0.148803
<i>Gtf3c4</i>	chr2:28822298-28840360	9.5941	8.3060	-0.2080	0.045756
<i>Gm12868</i>	chr4:119133748-119138801	5.8113	3.8524	-0.5931	0.003120
<i>2700062C07Rik</i>	chr18:24470860-24477765	9.2239	11.1927	0.2791	0.064021
<i>Isca2</i>	chr12:84773269-84775089	29.4504	33.8102	0.1992	0.061909
<i>Naip2</i>	chr13:100144062-100202092	2.9752	3.8548	0.3736	0.190276
<i>Pde3b</i>	chr7:114415280-114539251	52.3924	58.4919	0.1589	0.109018
<i>Rpl5-ps2</i>	chr2:154703808-154704699	2.9382	1.7663	-0.7342	0.114092
<i>Gm12905</i>	chr4:123905061-123917269	3.0097	1.8590	-0.6951	0.031156
<i>Fbxw7</i>	chr3:84815267-84979198	14.8500	16.2377	0.1289	0.058435
<i>Rnaset2b</i>	chr17:6978859-7011299	0.9865	0.6164	-0.6783	0.079852
<i>AI854703</i>	chr6:48626763-48633689	0.6319	0.8788	0.4758	0.025249
<i>NA</i>	chr1:138977656-138979240	4.8479	3.1079	-0.6414	0.016942
<i>Themis2</i>	chr4:132781842-132796387	3.1451	4.4550	0.5023	0.172654
<i>Tank</i>	chr2:61578584-61654171	20.4103	22.9912	0.1718	0.098268
<i>Trbj1-2</i>	chr6:41534000-41534048	177.7213	129.6865	-0.4546	0.107193
<i>Pnkp</i>	chr7:44857138-44862925	20.5952	17.9508	-0.1983	0.027748
<i>NA</i>	chr7:127524696-127524965	3.6441	1.6849	-1.1129	0.032798
<i>Sbf1</i>	chr15:89288235-89315311	58.1312	50.5060	-0.2029	0.095015
<i>Rgs2</i>	chr1:143999337-144004161	4.9796	5.9958	0.2679	0.158775
<i>Tet2</i>	chr3:133463678-133544390	12.4476	13.7054	0.1389	0.112978
<i>Ptov1</i>	chr7:44863067-44869788	3.2327	2.6546	-0.2842	0.020290
<i>Mbip</i>	chr12:56328305-56345894	15.1833	17.2376	0.1831	0.017535
<i>Mvd</i>	chr8:122433595-122443422	13.8242	11.4540	-0.2713	0.058010
<i>9630013D21Rik</i>	chr4:109651528-109657853	0.2222	0.4591	1.0472	0.268558
<i>Cdc42bpa</i>	chr1:179960471-180165603	0.0569	0.0995	0.8059	0.162940
<i>Gm26768</i>	chr8:34094547-34096149	10.0526	8.1132	-0.3092	0.003039
<i>Gm23119</i>	chr18:74778560-74778700	91.5761	125.4104	0.4536	0.184432
<i>Hcst</i>	chr7:30417716-30419854	143.8855	122.5382	-0.2317	0.061358
<i>Gm11723</i>	chr11:117783325-117785055	14.8852	11.3007	-0.3975	0.039949
<i>1110001J03Rik</i>	chr6:38533501-38539449	12.9451	9.7104	-0.4148	0.062402
<i>Tpra1</i>	chr6:88902250-88912238	16.3761	14.0373	-0.2223	0.069513
<i>Magee1</i>	chrX:105120395-105123909	1.5175	1.9692	0.3759	0.092133
<i>Frdm5</i>	chr2:121545528-121807087	0.0723	0.1464	1.0184	0.103553
<i>Rnf144a</i>	chr12:26306796-26415256	15.4527	13.5892	-0.1854	0.044747
<i>Gm13050</i>	chr4:143242023-143243368	21.3269	27.8359	0.3843	0.196519
<i>4933406P04Rik</i>	chr10:20310505-20312294	2.1287	2.8509	0.4214	0.101670
<i>Impdh1</i>	chr6:29200433-29216364	26.4835	23.0815	-0.1984	0.057019
<i>Bmi1</i>	chr2:18677017-18686629	18.8738	20.7960	0.1399	0.030215
<i>Kbtbd11</i>	chr8:15011024-15033330	90.4454	80.9379	-0.1602	0.041607
<i>1700065D16Rik</i>	chr9:95855551-95858320	1.0850	0.7482	-0.5362	0.011254
<i>Plekhh1</i>	chr12:79029162-79081648	2.2517	1.7616	-0.3542	0.101383
<i>Epb4.114a</i>	chr18:33796326-34007206	1.1682	1.5318	0.3910	0.059845
<i>Crat</i>	chr2:30400470-30415813	0.8784	1.1418	0.3783	0.080483
<i>Ginm1</i>	chr10:7767946-7792800	15.6230	17.7229	0.1819	0.035015
<i>Heatr9</i>	chr11:83511735-83522175	2.0310	2.8745	0.5011	0.189443
<i>Lgals3bp</i>	chr11:118392750-118402092	35.3926	42.3297	0.2582	0.209823
<i>Ijf12712a</i>	chr12:103442166-103443680	162.8578	231.4200	0.5069	0.147591
<i>Chic1</i>	chrX:103356475-103396092	0.0997	0.1862	0.9014	0.138122
<i>Gm26675</i>	chr16:3862383-3884505	14.0658	11.4741	-0.2938	0.083301
<i>Rabif</i>	chr1:134494659-134507882	25.5084	22.0766	-0.2085	0.030912
<i>Epg5</i>	chr18:77938466-78035027	13.1513	11.5205	-0.1910	0.065680
<i>Ttn</i>	chr2:76703979-76982547	0.1000	0.1682	0.7509	0.232707
<i>Acot11</i>	chr4:106744554-106804998	1.1739	1.5791	0.4278	0.163889
<i>Fbxo42</i>	chr4:141147912-141204062	6.5461	5.5345	-0.2422	0.084393
<i>1700001L05Rik</i>	chr15:83357525-83367282	0.2418	0.4696	0.9578	0.151962
<i>Psap</i>	chr10:60277626-60302597	151.3292	133.1025	-0.1852	0.085607
<i>Tcrg-V4</i>	chr13:19184980-19185501	7.3264	4.6956	-0.6418	0.095168
<i>Tmed2</i>	chr5:124540694-124550506	9.6231	7.7510	-0.3121	0.089342

<i>Tmtc1</i>	chr6:148232429-148444389	0.0842	0.1513	0.8460	0.035928
<i>Rps25</i>	chr9:44407713-44410405	41.9994	33.4880	-0.3267	0.146811
<i>Ddx6</i>	chr9:44604891-44640731	47.0562	53.2794	0.1792	0.204259
<i>lft46</i>	chr9:44767907-44792714	4.8923	5.6632	0.2111	0.105386
<i>Khnyh</i>	chr14:55884968-55896781	33.8718	30.2253	-0.1643	0.036227
<i>Cyp4f17</i>	chr17:32506461-32528894	3.7320	2.7216	-0.4555	0.124830
<i>C030034I22Rik</i>	chr17:69417460-69418931	10.7622	8.9632	-0.2639	0.011448
<i>Nus1</i>	chr10:52417546-52440192	13.1291	11.5207	-0.1885	0.024071
<i>Itgb3</i>	chr11:104607999-104670476	9.6175	8.2281	-0.2251	0.088416
<i>Mef2a</i>	chr7:67231162-67372858	17.6849	19.7395	0.1586	0.120334
<i>U2af1</i>	chr17:31647081-31658754	25.4238	29.6771	0.2232	0.125203
<i>Ints3</i>	chr3:90391379-90433636	14.8875	13.1734	-0.1765	0.028480
<i>Trpt1</i>	chr19:6996130-6999044	5.5867	4.1392	-0.4327	0.068564
<i>Nckap5l</i>	chr15:99422034-99457748	6.3997	5.2499	-0.2857	0.126748
<i>Als2</i>	chr1:59162925-59237231	4.7492	4.1185	-0.2056	0.019832
<i>mt-Nd2</i>	chrM:3913-4951	79.1040	114.9980	0.5398	0.131875
<i>Lmln</i>	chr16:33062520-33127695	0.5522	0.3902	-0.5010	0.024194
<i>Mdm2</i>	chr10:117688887-117710758	26.8179	23.5752	-0.1859	0.052571
<i>Chchd5</i>	chr2:129129699-129134134	7.7392	9.3660	0.2752	0.126971
<i>Abca7</i>	chr10:79996493-80015572	31.2306	27.9260	-0.1614	0.041265
<i>Trim28</i>	chr7:13024151-13031035	65.5433	58.8470	-0.1555	0.035809
<i>Cenpm</i>	chr15:82233778-82244747	0.7137	1.2084	0.7596	0.058612
<i>Rit1</i>	chr3:88716837-88731049	9.1674	10.2546	0.1617	0.023322
<i>Spef1</i>	chr2:131170260-131187282	2.5757	2.0067	-0.3601	0.016332
<i>Trim32</i>	chr4:65604985-65616238	5.0467	4.1650	-0.2770	0.029004
<i>Trim11</i>	chr11:58978092-58991458	26.9097	23.8931	-0.1715	0.032910
<i>Atp6v1d</i>	chr12:78842988-78861638	73.6543	83.1608	0.1751	0.110697
<i>Gm25789</i>	chr1:161038307-161038383	49.3993	32.3372	-0.6113	0.095397
<i>Adamts10</i>	chr17:33524203-33553782	37.5126	33.7856	-0.1510	0.017341
<i>Adat2</i>	chr10:13552893-13563376	3.2850	4.1958	0.3530	0.039259
<i>Gm11695</i>	chr11:115462044-115463454	11.9702	8.7211	-0.4569	0.048529
<i>Pds5b</i>	chr5:150673738-150810690	11.6043	13.2486	0.1912	0.182453
<i>Sigirr</i>	chr7:141091174-141100546	39.5537	34.6830	-0.1896	0.053260
<i>Arhgef3</i>	chr14:27238038-27403904	116.6948	124.8913	0.0979	0.036845
<i>App</i>	chr16:84954439-85173707	1.6905	2.3927	0.5012	0.192120
<i>Mob4</i>	chr1:55131230-55154899	17.2428	14.5514	-0.2448	0.102336
<i>Usp50</i>	chr2:126709095-126783458	0.5105	0.7879	0.6261	0.085988
<i>BC017643</i>	chr11:121222587-121229322	22.5042	19.1675	-0.2315	0.095285
<i>Ap2a1</i>	chr7:44900372-44929496	13.9473	12.1176	-0.2029	0.059486
<i>Pxn</i>	chr5:115506675-115555987	9.0972	10.2810	0.1765	0.135579
<i>Tex22</i>	chr12:113074501-113088917	1.6958	2.4123	0.5084	0.057111
<i>Gm23991</i>	chr7:44250449-44250542	39.3262	25.8274	-0.6066	0.133009
<i>Ndufs6</i>	chr13:73319837-73328542	20.7092	26.7056	0.3669	0.174341
<i>Asb14</i>	chr14:26894556-26915258	0.3319	0.5559	0.7442	0.039749
<i>H2-Q4</i>	chr17:35379616-35385290	133.3208	119.0958	-0.1628	0.052374
<i>Smim24</i>	chr10:81393050-81395392	2.0830	2.9767	0.5150	0.071108
<i>Gm16235</i>	chr10:88444235-88449887	4.0292	6.2532	0.6341	0.209300
<i>Mis18bp1</i>	chr12:65132733-65172604	1.1376	1.5314	0.4289	0.219754
<i>Hist1h2bh</i>	chr13:23542923-23543359	11.8410	15.9710	0.4317	0.177242
<i>Chn2</i>	chr6:54039553-54301810	0.5706	0.8166	0.5173	0.129560
<i>Spef2</i>	chr15:9578192-9748868	1.1784	1.4423	0.2916	0.098177
<i>Gm16565</i>	chr1:165781074-165789367	12.6869	10.2195	-0.3120	0.146764
<i>Pltp</i>	chr2:164839517-164857711	8.6251	7.1654	-0.2675	0.081622
<i>Atox1</i>	chr11:55446640-55461239	42.9111	34.2908	-0.3235	0.117770
<i>4921522P10Rik</i>	chr8:8661800-8664728	1.1926	0.7452	-0.6784	0.088035
<i>Cfl1</i>	chr19:5490484-5494029	463.0021	544.7787	0.2347	0.198907
<i>Pcgf6</i>	chr19:47033618-47050845	20.0422	17.1080	-0.2284	0.068908
<i>Rad54b</i>	chr4:11558919-11615805	0.3750	0.5220	0.4771	0.143860
<i>Gli1</i>	chr10:127329888-127341589	4.0761	3.3236	-0.2944	0.062019
<i>Mgat1</i>	chr11:49244190-49263030	16.1848	14.0421	-0.2049	0.086281
<i>Preli1</i>	chr13:55322054-55325271	70.6312	82.7452	0.2284	0.168517
<i>Yes1</i>	chr5:32611170-32687066	0.2060	0.3731	0.8568	0.098364
<i>Gm23245</i>	chr5:129789538-129789673	17.1547	10.4871	-0.7100	0.088952
<i>4933404O12Rik</i>	chr5:136919145-136937112	0.4826	0.2900	-0.7346	0.065365
<i>Isoc2a</i>	chr7:4877052-4895717	13.7611	10.9563	-0.3288	0.109272
<i>U2af114</i>	chr7:30563300-30567960	29.4762	26.0849	-0.1763	0.035329
<i>Gm26733</i>	chr9:20432759-20563282	16.2555	18.6511	0.1983	0.088477
<i>Rnf26</i>	chr9:44066326-44113517	1.3438	1.0122	-0.4088	0.057735
<i>Trav21-dv12</i>	chr14:53875983-53876751	5.9618	3.6641	-0.7023	0.050311
<i>Sorbs3</i>	chr14:70180467-70207637	0.5023	0.2947	-0.7693	0.021616
<i>Alcam</i>	chr16:52248995-52454074	0.8378	1.2054	0.5247	0.228043

<i>Slco4a1</i>	chr2:180456244-180474867	0.5593	0.3781	-0.5648	0.022333
<i>H2afz</i>	chr3:137864486-137866922	8.8284	10.5189	0.2528	0.094628
<i>Gbp7</i>	chr3:142530337-142550083	52.2618	58.1800	0.1548	0.129961
<i>Gppp1l1</i>	chr4:116557657-116593882	49.2591	53.3361	0.1147	0.056684
<i>Clic4</i>	chr4:135213968-135272814	3.9582	4.5120	0.1889	0.084971
<i>Cd68</i>	chr11:69664212-69666153	5.4736	6.7890	0.3107	0.078258
<i>Fbxl6</i>	chr15:76535729-76538746	25.4117	22.2004	-0.1949	0.026410
<i>Bhlhe40</i>	chr6:108660628-108666925	0.6434	1.4492	1.1716	0.121051
<i>Inafm1</i>	chr7:16272013-16273692	6.4966	5.1769	-0.3276	0.071118
<i>Sft2d1</i>	chr17:8311101-8396852	7.7677	6.3902	-0.2816	0.121524
<i>Ms4a6b</i>	chr19:11516511-11531256	388.0363	427.9769	0.1413	0.153281
<i>Gmcl1</i>	chr6:86691767-86733378	8.5254	7.3972	-0.2048	0.017394
<i>Pdcd11</i>	chr19:47090765-47131143	22.2663	20.1400	-0.1448	0.009394
<i>Kctd12b</i>	chrX:153685153-153696391	0.1719	0.2952	0.7797	0.034760
<i>Syk</i>	chr13:52583172-52648792	0.1649	0.2723	0.7238	0.166484
<i>Slc28a2</i>	chr2:122426476-122461137	52.8243	46.2237	-0.1926	0.064173
<i>Eps15</i>	chr4:109280267-109387817	16.3724	18.1161	0.1460	0.102736
<i>Tcrg-V1</i>	chr13:19340015-19340454	2.3071	4.3765	0.9237	0.084865
<i>Sirt7</i>	chr11:120618371-120625240	37.8802	34.3462	-0.1413	0.005494
<i>Eif3f</i>	chr7:108934416-108942951	80.4189	68.3359	-0.2349	0.131733
<i>Gm23262</i>	chr7:111076059-111076227	773.0312	494.4328	-0.6448	0.150627
<i>Gm26532</i>	chr8:84208919-84209609	13.7628	10.4717	-0.3943	0.103741
<i>Trim30b</i>	chr7:104355381-104369884	0.3798	0.6099	0.6833	0.188614
<i>Atp2b4</i>	chr1:133702673-133801041	1.3027	2.0624	0.6628	0.165502
<i>Cmklr1</i>	chr5:113612353-113650426	0.1549	0.3474	1.1657	0.159646
<i>Gm12183</i>	chr11:48751759-48753770	6.8240	7.8376	0.1998	0.003078
<i>Camkk1</i>	chr11:73019007-73042073	2.5282	2.0559	-0.2983	0.005580
<i>AA465934</i>	chr11:83291698-83294632	6.5310	4.5197	-0.5311	0.109379
<i>NA</i>	chr12:55239325-55263020	6.3223	7.3908	0.2253	0.048221
<i>At1l</i>	chr12:69893104-69964085	0.2689	0.5081	0.9178	0.147069
<i>Dapk1</i>	chr13:60601946-60763185	0.9506	0.7054	-0.4304	0.065437
<i>Snx17</i>	chr5:31193226-31198900	30.0893	26.9506	-0.1589	0.012445
<i>Aacs</i>	chr5:125475813-125517412	9.4940	7.9610	-0.2541	0.085418
<i>E230016M11Rik</i>	chr6:67036598-67080654	0.8854	0.6177	-0.5194	0.012222
<i>Eps8l1</i>	chr7:4460673-4479404	10.1036	5.2414	-0.9468	0.138842
<i>Rpl28</i>	chr7:4792873-4794562	4.0122	5.1634	0.3639	0.082384
<i>Zfp36</i>	chr7:28376783-28379255	31.0614	35.8886	0.2084	0.156693
<i>Pdcd5</i>	chr7:35641981-35647521	6.1993	7.2651	0.2289	0.109706
<i>Gm26827</i>	chr7:66109514-66173121	32.2226	38.4686	0.2556	0.234561
<i>Relt</i>	chr7:100845847-100863446	18.7620	16.3520	-0.1983	0.065966
<i>Gm1966</i>	chr7:106601242-106604035	146.6748	162.0314	0.1437	0.148873
<i>Ndufab1</i>	chr7:122085402-122101886	3.9451	3.2908	-0.2616	0.083221
<i>B130055M24Rik</i>	chr7:127448635-127460360	20.7870	18.1601	-0.1949	0.022107
<i>Fuom</i>	chr7:140096769-140102441	0.4916	0.3021	-0.7028	0.007186
<i>Hsh2d</i>	chr8:72189667-72200995	24.1101	27.4403	0.1867	0.113602
<i>Gm5909</i>	chr8:80110805-80112086	0.8446	0.4277	-0.9815	0.029528
<i>Gm24629</i>	chr8:105203992-105204081	13.7900	7.7920	-0.8235	0.011198
<i>Atp6v0d1</i>	chr8:105524464-105566047	25.2979	22.0207	-0.2002	0.038936
<i>Il10ra</i>	chr9:45253836-45269149	18.0630	21.8475	0.2744	0.221256
<i>Gm10642</i>	chr9:70656250-70657860	10.5095	8.6984	-0.2729	0.054919
<i>Pcbp4</i>	chr9:106453837-106464007	1.7675	2.3300	0.3986	0.052941
<i>Gm9208</i>	chrX:107279014-107279962	1.5831	2.6287	0.7316	0.272854
<i>Hsd17b10</i>	chrX:152001844-152004442	31.3026	36.1799	0.2089	0.120959
<i>Txlng</i>	chrX:162778918-162829454	6.1166	6.7872	0.1501	0.043182
<i>Wdyh1</i>	chr15:58141435-58158652	22.5137	19.4928	-0.2079	0.018945
<i>Parp10</i>	chr15:76231173-76243441	23.8419	20.6847	-0.2049	0.076819
<i>Sp1</i>	chr15:102406142-102436404	33.0827	35.9520	0.1200	0.088364
<i>Traj26</i>	chr14:54194489-54194549	55.2501	38.0663	-0.5375	0.049502
<i>Rfx2</i>	chr17:56775896-56831008	1.4277	1.8291	0.3574	0.066062
<i>Rmi2</i>	chr16:10835058-10892966	4.0181	3.3473	-0.2635	0.057828
<i>lqcg</i>	chr16:33015384-33056218	1.4507	1.9147	0.4003	0.103229
<i>C130036L24Rik</i>	chr1:86359573-86373791	3.6465	2.9636	-0.2992	0.058966
<i>Pax6</i>	chr2:105668895-105698410	0.0844	0.1434	0.7643	0.208183
<i>Rpl22l1</i>	chr3:28805435-28807352	121.1776	79.7814	-0.6030	0.151562
<i>Gbp3</i>	chr3:142560051-142573209	16.7448	18.8821	0.1733	0.124569
<i>Gm12917</i>	chr4:124718998-124719637	3.8913	2.5364	-0.6174	0.042199
<i>Kdm1a</i>	chr4:136550539-136602723	24.0830	21.4905	-0.1643	0.033991
<i>Gm13068</i>	chr4:149748517-149749607	2.0275	1.2110	-0.7436	0.054171
<i>Traj8</i>	chr14:54209917-54209954	28.5867	14.8734	-0.9426	0.045888
<i>Rab3gap2</i>	chr1:185204167-185286743	12.2893	10.8837	-0.1752	0.041734
<i>Slc37a1</i>	chr17:31295482-31350696	20.3435	17.7931	-0.1932	0.071675

<i>Pank3</i>	chr11:35769483-35791285	22.3774	19.1719	-0.2230	0.121709
<i>Rbbp4</i>	chr4:129307099-129335370	25.3331	22.1032	-0.1968	0.074025
<i>Gm13854</i>	chr6:33375110-33377446	0.4653	1.0489	1.1726	0.295060
<i>O610007P14Rik</i>	chr12:85815447-85824550	6.7030	7.7472	0.2089	0.132637
<i>Vkorc1l1</i>	chr5:129942108-129984745	4.2911	3.4545	-0.3129	0.073199
<i>Brat1</i>	chr5:140705010-140719379	8.9014	7.7707	-0.1960	0.050926
<i>Umps</i>	chr16:33954781-33967038	15.8338	13.7698	-0.2015	0.039363
<i>Btg2</i>	chr1:134075169-134079120	101.6959	91.7461	-0.1485	0.008964
<i>NA</i>	chr3:40950630-40977793	14.9388	17.1356	0.1979	0.109922
<i>Rad18</i>	chr6:112619849-112696686	5.7888	6.5389	0.1758	0.103675
<i>Fbxl12os</i>	chr9:20607480-20617271	1.0476	0.7493	-0.4835	0.093278
<i>Commd3</i>	chr2:18672383-18676231	29.5512	33.2432	0.1698	0.140230
<i>Pole3</i>	chr4:62522648-62525068	10.5054	12.3093	0.2286	0.115548
<i>Pml</i>	chr9:58218075-58249786	11.4588	13.5676	0.2437	0.236095
<i>Gm9843</i>	chr16:76403208-76403712	21.5655	14.9649	-0.5271	0.164568
<i>Klf16</i>	chr10:80567123-80577321	8.7124	7.2650	-0.2621	0.095649
<i>Arhgap9</i>	chr10:127323726-127329943	129.1496	115.1482	-0.1656	0.068916
<i>Ccl5</i>	chr11:83525777-83530518	47.8584	71.8389	0.5860	0.148493
<i>Gm11775</i>	chr11:121029401-121052357	31.5240	26.5139	-0.2497	0.069960
<i>Gt(ROSA)26Sor</i>	chr6:113067427-113077333	22.2032	18.6384	-0.2525	0.111667
<i>Gm16161</i>	chr6:113275836-113276930	4.2560	2.3599	-0.8508	0.029734
<i>Myopos</i>	chr7:18993552-19001222	13.5941	10.6499	-0.3521	0.049408
<i>Gm9905</i>	chr7:121033251-121035096	3.9734	2.9439	-0.4327	0.118765
<i>Ufsp2</i>	chr8:45975527-45996958	11.2274	12.6130	0.1679	0.062597
<i>Ocel1</i>	chr8:71371297-71379361	7.7423	6.8028	-0.1866	0.031093
<i>Nr2f6</i>	chr8:71374122-71381960	5.2776	4.3838	-0.2677	0.051171
<i>Kars</i>	chr8:111993439-112011323	66.4057	72.5888	0.1284	0.078390
<i>Tbcel</i>	chr9:42412315-42507809	20.9747	19.0207	-0.1411	0.004061
<i>March6</i>	chr15:31455898-31531037	22.3791	19.3798	-0.2076	0.108490
<i>Pou6f1</i>	chr15:100575317-100599984	5.3648	6.8489	0.3524	0.230963
<i>Pde1b</i>	chr15:103503297-103530052	9.3423	7.8174	-0.2571	0.089981
<i>Trav12-1</i>	chr14:53538259-53538738	7.2342	4.5474	-0.6698	0.073076
<i>Gm6776</i>	chr19:43280797-43281697	1.8934	2.7765	0.5523	0.072415
<i>Eij2d</i>	chr1:131153180-131187658	13.5267	11.8833	-0.1869	0.067354
<i>Rae1</i>	chr2:173000116-173015739	36.6321	32.7126	-0.1633	0.016016
<i>Klk8</i>	chr7:43797576-43803822	29.3261	41.6243	0.5052	0.099652
<i>Sult2b1</i>	chr7:45729982-45759612	2.7998	3.5647	0.3484	0.064646
<i>Rec8</i>	chr14:55618036-55625395	0.3883	0.1986	-0.9672	0.038841
<i>1600002K03Rik</i>	chr10:80172943-80175146	11.9452	8.9990	-0.4086	0.107638
<i>Amh</i>	chr10:80805247-80807648	0.6252	0.3320	-0.9131	0.030690
<i>Rbms2</i>	chr10:128129469-128180297	2.1933	2.6403	0.2676	0.157065
<i>Rad17</i>	chr13:100617164-100651059	19.1170	21.1045	0.1427	0.039306
<i>Cnga1</i>	chr5:72603695-72642752	5.9826	4.6583	-0.3610	0.207928
<i>Yipf4</i>	chr17:74489492-74500277	28.2700	24.0145	-0.2354	0.082156
<i>Uxs1</i>	chr1:43746965-43827800	2.9974	3.4985	0.2230	0.088214
<i>NA</i>	chr1:133131179-133131782	19.7209	15.5528	-0.3425	0.104388
<i>Fam78b</i>	chr1:167001416-167091302	0.1341	0.2570	0.9383	0.080736
<i>Gm13625</i>	chr2:69871411-69872202	27.6036	32.8397	0.2506	0.123477
<i>Zc3h6</i>	chr2:128967401-129018563	8.0065	9.3817	0.2287	0.185534
<i>Gm20689</i>	chr3:68900170-68900449	4.9154	7.2248	0.5556	0.002427
<i>Tlr2</i>	chr3:83836272-83841767	4.0242	3.2007	-0.3303	0.077858
<i>Usp1</i>	chr4:98923809-98935543	20.4089	22.3926	0.1338	0.040676
<i>Tbk1</i>	chr10:121546454-121586794	35.6757	38.4138	0.1067	0.009473
<i>Gm12912</i>	chr4:75147608-75148989	0.7214	0.3850	-0.9060	0.014566
<i>Gm10615</i>	chr9:110117702-110119916	5.3940	4.3841	-0.2991	0.047451
<i>Vgll4</i>	chr6:114860627-114969994	28.9490	25.6635	-0.1738	0.039728
<i>Art2a-ps</i>	chr7:101552452-101560865	11.1698	9.2483	-0.2724	0.034723
<i>Zfp866</i>	chr8:69761325-69791178	20.6371	18.4973	-0.1579	0.019734
<i>Klf15</i>	chr9:122951080-123018725	3.6576	4.6577	0.3487	0.258629
<i>Ggt7</i>	chr2:155490378-155518237	2.1824	1.5950	-0.4524	0.178030
<i>Acads</i>	chr5:115110298-115119346	11.7814	10.1121	-0.2204	0.032495
<i>Gm17477</i>	chr9:80118894-80121937	8.3978	6.6767	-0.3309	0.157717
<i>NA</i>	chr15:76622087-76626027	174.4692	193.9255	0.1525	0.131990
<i>Nudt8</i>	chr19:4000579-4005816	4.2645	5.0713	0.2500	0.138945
<i>Ccdc59</i>	chr10:105841066-105847833	15.1223	16.6338	0.1374	0.078604
<i>Gm24029</i>	chr11:69667833-69667976	26.9325	17.6561	-0.6092	0.139814
<i>Gm21092</i>	chr8:20550330-20581999	1.4365	1.8407	0.3577	0.141431
<i>Pomgnt2</i>	chr9:121981605-121996026	0.4762	0.2466	-0.9494	0.101517
<i>Gm7331</i>	chrX:162566815-162567309	2.2267	3.5118	0.6573	0.049100
<i>Slc39a14</i>	chr14:70303468-70351425	4.7855	4.1851	-0.1934	0.046031
<i>Tsr1</i>	chr11:74898070-74909342	41.7632	37.2781	-0.1639	0.026133

Gm11706	chr11:106814669-106816008	12.7129	8.9126	-0.5124	0.089375
Twistnb	chr12:33429623-33439380	21.2125	23.8636	0.1699	0.099471
Hspa8	chr9:40800983-40805200	126.8601	147.9297	0.2217	0.210196
Gm16262	chr9:94695703-94702319	0.7795	1.1848	0.6039	0.107822
Atp11c	chrX:60223289-60592698	16.1925	17.8366	0.1395	0.115514
Calm2	chr17:87433411-87446935	77.1740	87.3184	0.1782	0.168851
Usp25	chr16:77014068-77116779	67.8200	72.5234	0.0967	0.045624
Gm15965	chr16:90983906-90987237	1.4843	0.9532	-0.6389	0.066228
Pyhin1	chr1:173630858-173647928	119.1835	134.0461	0.1695	0.175444
A230005M16Rik	chr2:25705849-25709716	0.2792	0.5680	1.0246	0.109227
Tmbim4	chr10:120201589-120224917	3.8772	4.5997	0.2466	0.033283
Plekha5	chr6:140424098-140594906	7.9343	8.9432	0.1727	0.117163
Gm13341	chr2:22587290-22587962	1.9282	2.8947	0.5861	0.035713
Gm12504	chr4:44121892-44124123	0.6417	0.9820	0.6138	0.075570
Thbs1	chr2:118111875-118127133	0.1012	0.1992	0.9768	0.127581
Kif18b	chr11:102905528-102925124	1.0229	1.5990	0.6445	0.258175
Gbp4	chr5:105115766-105139586	78.1793	88.2430	0.1747	0.179169
Fam63b	chr9:70599013-70657174	26.3853	23.6437	-0.1583	0.041135
Gm9770	chr10:130412498-130413312	0.9725	1.6329	0.7476	0.043899
Acap1	chr11:69881566-69895539	92.7605	81.7649	-0.1820	0.080915
4930427A07Rik	chr12:113156420-113165456	2.2463	1.7254	-0.3806	0.086445
Pcalce	chr5:137605102-137613784	2.9607	2.4084	-0.2979	0.047070
Gm14820	chrX:8049171-8074619	4.8496	3.8491	-0.3334	0.045121
Atp8b4	chr2:126320972-126500674	46.2387	52.2552	0.1765	0.228501
Tgfbr1	chr4:47353221-47414931	14.5584	12.9698	-0.1667	0.029768
Sjfn5	chr11:82951348-82962941	21.9056	26.6847	0.2847	0.248181
Rab10	chr12:3247429-3309969	56.3714	61.5495	0.1268	0.077343
Hps5	chr7:46760465-46796064	12.7821	11.4264	-0.1618	0.018070
4933440M02Rik	chr7:125329642-125349772	4.4626	3.4764	-0.3603	0.156859
Rps6ka3	chrX:159210306-159368244	20.1522	23.4066	0.2160	0.258504
Ddx17	chr15:79527706-79546741	113.9467	102.0434	-0.1592	0.050214
Nme7	chr1:164312878-164348181	13.5823	15.7068	0.2097	0.006191
Ube2d2a	chr18:35771558-35807172	22.5168	24.9669	0.1490	0.085912
Mrpl48-ps	chr4:88599174-88599810	2.7338	4.3987	0.6862	0.186733
Pigh	chr12:79080672-79089670	13.0387	11.1927	-0.2202	0.040751
Gm13833	chr6:31102845-31104646	4.0756	5.8308	0.5167	0.212575
Vps29	chr5:122354368-122364984	13.2478	15.1266	0.1913	0.144612
Zfp605	chr5:110110091-110129794	5.7234	6.7847	0.2454	0.140158
Act2	chr17:12942889-12960747	6.6949	5.5832	-0.2620	0.056085
4930502E09Rik	chr11:84829177-84830868	2.5478	1.6020	-0.6694	0.046385
Nemf	chr12:69311543-69357176	44.7770	48.8426	0.1254	0.067106
2810474O19Rik	chr6:149309413-149335658	54.9793	60.6383	0.1413	0.133058
Rhoa	chr9:108306204-108337939	50.6457	57.3153	0.1785	0.161457
Dennd3	chr15:73512559-73572242	4.3681	3.6835	-0.2459	0.089444
Mllt1	chr17:56892611-56935388	16.7589	14.3406	-0.2248	0.126566
Actr3	chr1:125392904-125435727	155.0362	133.7392	-0.2132	0.124855
Cenph	chr13:100759673-100775899	1.1545	1.6226	0.4910	0.080998
Klre1	chr6:129577892-129585824	5.3085	8.9573	0.7548	0.136017
Cldnd2	chr7:43440781-43443328	11.1052	8.7731	-0.3401	0.031319
A430078G23Rik	chr8:3353414-3390295	61.0616	53.9429	-0.1788	0.076498
Rpsud4	chr9:35267864-35277731	12.5961	10.8396	-0.2167	0.055691
Gm20537	chr9:88407431-88456616	45.9541	50.9896	0.1500	0.076304
Ano10	chr9:122175878-122294374	15.2548	12.9055	-0.2413	0.132596
Gm24523	chr15:34440790-34440922	35.9766	25.6874	-0.4860	0.111896
Cd86	chr16:36603868-36666081	3.0565	3.9836	0.3822	0.209278
Pmpcb	chr5:21737140-21757152	14.3070	15.6532	0.1297	0.057846
Spred1	chr2:117121373-117182279	3.8792	3.2667	-0.2479	0.082841
lcmt	chr4:152297226-152307121	11.0382	9.6571	-0.1928	0.056831
Sepn1	chr4:134537891-134552166	0.7771	1.0337	0.4117	0.029030
Gm11346	chr13:24597612-24604925	63.2567	69.4714	0.1352	0.105421
Ubxn1	chr19:8871558-8875663	108.1632	130.5570	0.2715	0.237936
Rab29	chr1:131867223-131872887	23.2492	20.0757	-0.2117	0.046286
Gng10	chr4:59035087-59041903	28.5258	23.7765	-0.2627	0.103284
Depdc1a	chr3:159495432-159529955	0.2603	0.4709	0.8549	0.224008
Sytl1	chr4:133253089-133263113	11.8499	10.1141	-0.2285	0.077916
Kiss1r	chr10:79916970-79922273	0.5310	0.3364	-0.6586	0.020294
Gm25835	chr11:69668851-69668995	161.1996	96.1248	-0.7459	0.173013
Gm26669	chr12:80108033-80113000	17.4899	19.7741	0.1771	0.139132
Gm26587	chr13:67660456-67661445	3.8764	2.8677	-0.4348	0.007220
Nop14	chr5:34638531-34660148	25.0910	27.3689	0.1254	0.033458
Grk4	chr5:34660378-34755305	1.3810	1.0860	-0.3467	0.025021

<i>Gm10135</i>	chr5:72965807-72974702	50.6952	61.7632	0.2849	0.150105
<i>Rps15a-ps5</i>	chr5:105797286-105797743	76.2196	51.4467	-0.5671	0.151116
<i>Selplg</i>	chr5:113817797-113830501	256.4532	292.9194	0.1918	0.212400
<i>Gm15497</i>	chr5:138610738-138611289	3.1184	4.4268	0.5055	0.013050
<i>Adipor2</i>	chr6:119353149-119417483	34.1423	31.0107	-0.1388	0.005157
<i>Zik1</i>	chr7:10487228-10495394	1.5756	1.1764	-0.4215	0.102154
<i>Cyp2s1</i>	chr7:25802474-25816913	1.8280	1.3435	-0.4443	0.162483
<i>Med29</i>	chr7:28386145-28392708	4.7253	3.6683	-0.3653	0.020194
<i>Capn12</i>	chr7:28881655-28893585	3.0288	3.7481	0.3074	0.136369
<i>Gm166</i>	chr7:127582383-127588595	13.1048	14.8067	0.1762	0.116192
<i>D830025C05Rik</i>	chr8:25597011-25597989	3.5634	4.6926	0.3971	0.089462
<i>Dock3</i>	chr9:106892833-107231909	0.1301	0.1852	0.5094	0.077374
<i>Cxx1c</i>	chrX:53607921-53609132	1.1519	1.6899	0.5529	0.009198
<i>Phf20l1</i>	chr15:66577571-66645255	62.7588	68.6623	0.1297	0.141742
<i>Apobec3</i>	chr15:79891658-79915906	30.0262	33.0744	0.1395	0.190292
<i>NA</i>	chr15:102528635-102529025	3.9385	5.9765	0.6017	0.139042
<i>Kcnk5</i>	chr14:20140057-20181782	1.4103	2.5541	0.8568	0.180291
<i>Gch1</i>	chr14:47153894-47189413	5.3265	4.4434	-0.2615	0.028554
<i>Travn-2</i>	chr14:53345960-53346420	5.8246	3.8469	-0.5985	0.003752
<i>Traj27</i>	chr14:54192302-54192361	62.3623	42.9296	-0.5387	0.106666
<i>Airn</i>	chr17:12741310-12860122	2.9994	3.6861	0.2974	0.207886
<i>Rasal3</i>	chr17:32390658-32403583	108.6010	98.4807	-0.1411	0.040021
<i>Pgif</i>	chr17:86997255-87025406	15.8460	13.2213	-0.2613	0.052643
<i>Ppil2</i>	chr16:17086554-17111257	30.0447	32.0704	0.0941	0.031824
<i>Ccdc186</i>	chr19:56787480-56822190	8.0659	7.0989	-0.1842	0.039986
<i>Ccdc115</i>	chr1:34436670-34439672	17.0946	20.1625	0.2381	0.170546
<i>Ejfb5b</i>	chr1:37998009-38055579	10.5688	11.6819	0.1445	0.113298
<i>Ctla4</i>	chr1:60886999-60915832	5.4699	6.7230	0.2976	0.238914
<i>Blzf1</i>	chr1:164289799-164307489	5.1255	5.8673	0.1950	0.119167
<i>Pycr2</i>	chr1:180904273-180908087	28.8050	24.3701	-0.2412	0.106010
<i>Tmco6</i>	chr18:36735067-36742391	17.7264	15.5418	-0.1897	0.012970
<i>1700086O06Rik</i>	chr18:38238404-38250565	1.7244	1.2256	-0.4926	0.045809
<i>Csnk1g3</i>	chr18:53862112-53955684	11.7522	13.2985	0.1783	0.174374
<i>Itga4</i>	chr2:79255425-79333123	46.9913	54.1243	0.2039	0.270043
<i>Zcchc3</i>	chr2:152411955-152415044	0.3187	0.1657	-0.9437	0.087385
<i>Gnb4</i>	chr3:32580331-32616585	1.6995	1.3374	-0.3457	0.191239
<i>Rd3</i>	chr1:191977372-191988282	0.1206	0.2185	0.8577	0.012048
<i>Aim1</i>	chr10:43950306-44004846	21.3046	23.3825	0.1343	0.146372
<i>Rhob</i>	chr12:8497762-8499985	2.3969	4.1684	0.7983	0.092454
<i>Corin</i>	chr5:72300024-72504473	0.3528	0.5209	0.5621	0.136909
<i>Ppp2r1b</i>	chr9:50845300-50894229	12.4527	11.1748	-0.1562	0.025625
<i>Ubac2</i>	chr14:121878605-122021034	50.9388	45.1497	-0.1740	0.068936
<i>Lztr1</i>	chr16:17508687-17526333	17.6359	15.8810	-0.1512	0.018959
<i>Chka</i>	chr19:3851772-3894369	1.6109	1.3610	-0.2432	0.054559
<i>Smarca11</i>	chr1:72583250-72633134	8.2363	7.2969	-0.1747	0.022517
<i>Lax1</i>	chr1:133679028-133690108	64.0961	73.0272	0.1882	0.243083
<i>Lrrtm2</i>	chr18:35209010-35215024	0.2067	0.3203	0.6318	0.100482
<i>Rbm27</i>	chr18:42275352-42341542	19.4352	20.9984	0.1116	0.061866
<i>Arl5a</i>	chr2:52397950-52424901	13.0719	14.2071	0.1201	0.039129
<i>Srsf6</i>	chr2:162931527-162937121	109.9340	96.6060	-0.1865	0.102831
<i>Qsox1</i>	chr1:155778154-155812883	7.4772	6.5076	-0.2004	0.070326
<i>Mir142hg</i>	chr11:87755576-87757270	469.0886	399.8588	-0.2304	0.127772
<i>Gm8995</i>	chr7:106510538-106511671	424.2907	475.9209	0.1657	0.209959
<i>Socs7</i>	chr11:97362550-97398542	7.2274	6.4075	-0.1737	0.024233
<i>Gm26753</i>	chr17:21485176-21488875	1.0473	0.7099	-0.5610	0.074161
<i>Nabp2</i>	chr10:128401394-128411492	8.9751	10.8508	0.2738	0.198957
<i>Cox6c</i>	chr15:35925885-35938246	24.7387	28.6029	0.2094	0.218274
<i>B330016D10Rik</i>	chr4:141546188-141547892	7.2326	5.9724	-0.2762	0.031178
<i>Mtcp1</i>	chrX:75404845-75416584	10.8590	9.0548	-0.2621	0.032283
<i>Gga1</i>	chr15:78877189-78894585	15.1458	12.8670	-0.2352	0.139808
<i>Gm15638</i>	chr16:45945605-45971370	2.6326	3.1796	0.2724	0.185951
<i>Gpx4</i>	chr10:80047165-80056439	7.8536	9.5193	0.2775	0.162746
<i>Clint1</i>	chr11:45852050-45910625	36.4240	39.4149	0.1139	0.092871
<i>2810001G20Rik</i>	chr11:64079483-64083259	45.5098	38.4712	-0.2424	0.124440
<i>Ube2g1</i>	chr11:72607282-72686481	13.0253	14.4878	0.1535	0.085176
<i>Tlcd1</i>	chr11:78176710-78181909	3.7260	4.2857	0.2019	0.100788
<i>Msi2</i>	chr11:88339381-88718513	12.2198	13.2831	0.1204	0.095760
<i>Rpl19</i>	chr11:98026709-98030492	15.8632	12.7417	-0.3161	0.132213
<i>Dhx58</i>	chr11:100694883-100704271	8.3384	10.4777	0.3295	0.266469
<i>Kpna2</i>	chr11:106988628-106999541	2.5339	3.0980	0.2900	0.099998
<i>Pgs1</i>	chr11:117986291-118024011	12.6354	11.2388	-0.1690	0.045078

<i>Slc25a29</i>	chr12:108825872-108835883	2.1288	1.6537	-0.3643	0.026103
<i>Hist1h2bg</i>	chr13:23571395-23572013	18.5892	22.0323	0.2452	0.127680
<i>Ccnb1</i>	chr13:100778649-100786570	0.3939	0.6084	0.6271	0.189490
<i>Snx18</i>	chr13:113592179-113618564	12.4103	11.0784	-0.1638	0.005527
<i>Ndufs4</i>	chr13:114287794-114388094	28.9600	24.2985	-0.2532	0.132988
<i>Abcb1b</i>	chr5:8798146-8866314	8.4247	9.6381	0.1941	0.184093
<i>Stim2</i>	chr5:53998416-54121057	18.0658	19.8969	0.1393	0.179149
<i>Rhoh</i>	chr5:65863568-65896700	42.8766	36.6831	-0.2251	0.138269
<i>Hopxos</i>	chr5:77094531-77102303	8.2060	9.9408	0.2767	0.140638
<i>Pitpnb</i>	chr5:111330762-111388359	11.2786	9.9184	-0.1854	0.007331
<i>Srsf9</i>	chr5:115327176-115333080	25.6876	21.3883	-0.2643	0.101315
<i>Slc12a9</i>	chr5:137314557-137333597	3.6216	3.0407	-0.2522	0.073935
<i>Mir704</i>	chr6:47803575-47803652	36.9855	22.2119	-0.7356	0.176204
<i>Mad2l1</i>	chr6:66535389-66541033	7.2159	8.2820	0.1988	0.092698
<i>Hnrnp1</i>	chr7:28808540-28822266	65.4243	59.4653	-0.1378	0.034792
<i>Uri1</i>	chr7:37960001-38019542	21.5509	23.5052	0.1252	0.076582
<i>Isg20</i>	chr7:78913423-78920362	3.5876	4.7202	0.3958	0.212287
<i>Ticrr</i>	chr7:79660195-79698134	0.4534	0.6388	0.4944	0.207266
<i>Sema4b</i>	chr7:80186840-80226394	9.2145	8.1007	-0.1859	0.055425
<i>BC030336</i>	chr7:120677619-120734854	9.4179	8.2549	-0.1901	0.039132
<i>Prkcb</i>	chr7:122288750-122634402	46.8412	42.3420	-0.1457	0.028298
<i>Arhgap17</i>	chr7:123279149-123369915	3.2946	4.0789	0.3081	0.227833
<i>Saraf</i>	chr8:34154562-34170845	370.5884	323.2627	-0.1971	0.102971
<i>Zfp617</i>	chr8:71908634-71934629	6.2678	7.2402	0.2081	0.085014
<i>Slc10a7</i>	chr8:78509334-78734005	10.1138	11.3794	0.1701	0.163180
<i>Ulk3</i>	chr9:57589451-57596233	7.8852	6.5458	-0.2686	0.114025
<i>Gm8093</i>	chr9:78427506-78430805	0.3269	0.5467	0.7420	0.044069
<i>Cx3cr1</i>	chr9:119901615-120068283	1.1472	2.4372	1.0871	0.147970
<i>Alas2</i>	chrX:150547374-150570638	0.8787	1.3144	0.5809	0.193735
<i>Fam105a</i>	chr15:27655070-27681542	71.4705	63.8054	-0.1637	0.066546
<i>Arhgap39</i>	chr15:76723984-76818170	3.7187	4.2630	0.1971	0.161282
<i>Traj6</i>	chr14:54212687-54212749	113.1638	134.9708	0.2542	0.008641
<i>Trim13</i>	chr14:61598225-61605946	4.7986	6.0700	0.3391	0.215722
<i>Kif13b</i>	chr14:64652530-64806296	11.8331	10.5865	-0.1606	0.029996
<i>Mbnl2</i>	chr14:120275668-120431697	26.0825	27.9974	0.1022	0.065548
<i>Vmn2r97</i>	chr17:18914321-18948071	2.4273	1.7416	-0.4789	0.154433
<i>Abca3</i>	chr17:24351949-24410201	12.1918	10.6209	-0.1990	0.096904
<i>D330041H03Rik</i>	chr17:24404648-24414542	14.5136	12.5244	-0.2127	0.095495
<i>Mrpl28</i>	chr17:26123519-26126613	24.8327	20.6695	-0.2647	0.117864
<i>Axin1</i>	chr17:26138687-26195811	34.4845	31.3111	-0.1393	0.009755
<i>Prr3</i>	chr17:35972540-35980236	5.5988	4.7450	-0.2387	0.076886
<i>Polh</i>	chr17:46172003-46202625	17.9749	15.6838	-0.1967	0.067363
<i>Wdr43</i>	chr17:71616214-71659031	80.3636	86.2569	0.1021	0.046523
<i>Srsf7</i>	chr17:80200088-80207305	84.7549	73.9922	-0.1959	0.116811
<i>1810013L24Rik</i>	chr16:8830099-8858916	25.6519	23.0411	-0.1549	0.035756
<i>Yars2</i>	chr16:16302964-16309640	10.0976	8.4657	-0.2543	0.119426
<i>1700056N10Rik</i>	chr16:17047519-17049111	6.7051	5.0906	-0.3974	0.135558
<i>Rabl3</i>	chr16:37539884-37572385	1.3448	1.6070	0.2570	0.090416
<i>BC021614</i>	chr19:4057477-4059295	47.1571	57.3639	0.2827	0.257349
<i>Snx32</i>	chr19:5495277-5510489	10.2910	8.5607	-0.2656	0.075544
<i>Ap5b1</i>	chr19:5568073-5571261	12.6130	10.8460	-0.2177	0.090159
<i>Kcnk7</i>	chr19:5704366-5707101	1.1708	1.6878	0.5276	0.009049
<i>Map4k2</i>	chr19:6341134-6355615	74.8128	68.5431	-0.1263	0.021480
<i>Sfxn3</i>	chr19:45047575-45056383	13.8839	16.0676	0.2107	0.220908
<i>Sfr1</i>	chr19:47731755-47735588	53.5805	62.6990	0.2267	0.219963
<i>Mrps14</i>	chr1:160195214-160202170	9.7382	8.0530	-0.2741	0.142376
<i>Pogk</i>	chr1:166384621-166409863	7.3112	9.0004	0.2999	0.264736
<i>Ptpn14</i>	chr1:189728267-189876695	0.3452	0.2536	-0.4450	0.066370
<i>Elac1</i>	chr18:73735037-73754479	3.5016	4.0819	0.2212	0.112307
<i>Ubac1</i>	chr2:25998542-26021747	14.5045	12.5787	-0.2055	0.036935
<i>Lnp</i>	chr2:74520290-74579435	4.1473	4.6453	0.1636	0.130308
<i>Gm13999</i>	chr2:120024806-120027453	1.4557	0.8859	-0.7166	0.025640
<i>Bub1</i>	chr2:127801121-127831865	1.2624	1.7292	0.4539	0.214728
<i>Rassf2</i>	chr2:131989414-132030258	31.6102	28.6717	-0.1408	0.013374
<i>E2f5</i>	chr3:14578670-14606308	13.6803	11.6139	-0.2363	0.070114
<i>Ect2</i>	chr3:27097221-27153878	2.0803	2.5579	0.2981	0.218304
<i>Golim4</i>	chr3:75876182-75956949	4.0256	4.5781	0.1856	0.161142
<i>Gm25820</i>	chr3:88693930-88694057	18.4687	12.3299	-0.5829	0.046687
<i>Sike1</i>	chr3:102995727-103003914	29.5734	26.7914	-0.1425	0.008430
<i>Ppp3ca</i>	chr3:136670123-136937727	17.7434	19.6372	0.1463	0.113904
<i>Ripk2</i>	chr4:16122732-16163647	10.1405	11.4485	0.1750	0.141668

<i>Ddx58</i>	chr4:40203772-40239828	38.4689	42.5318	0.1448	0.177948
<i>Pigo</i>	chr4:43017634-43025819	8.4757	7.3015	-0.2151	0.096436
<i>Inadl</i>	chr4:98395784-98719603	10.7982	9.6379	-0.1640	0.057329
<i>Sfpq</i>	chr4:127021323-127037013	92.7458	82.9783	-0.1605	0.064399
<i>Gm12966</i>	chr4:129899092-129899902	17.0679	21.3403	0.3223	0.206987
<i>Atp1f1</i>	chr4:132530554-132533659	15.6017	19.1727	0.2974	0.209077
<i>Sfn</i>	chr4:133600555-133602168	12.4878	10.5726	-0.2402	0.071683
<i>Zbtb40</i>	chr4:136979731-137048801	5.3275	4.7216	-0.1742	0.031640
<i>Ddi2</i>	chr4:141677548-141723419	17.6152	15.7730	-0.1594	0.061588
<i>Lzic</i>	chr4:149485228-149496668	11.6111	9.6680	-0.2642	0.083249
<i>Klrg1</i>	chr6:122270595-122282882	0.6861	1.2877	0.9083	0.168262
<i>Gm21814</i>	chr6:149582011-149583656	3.3951	1.5060	-1.1728	0.095797
<i>Zfp607</i>	chr7:27862556-27879567	17.4257	15.3372	-0.1842	0.013529
<i>Dnajc18</i>	chr18:35671102-35703144	7.9201	7.0311	-0.1718	0.004746
<i>Slc25a11</i>	chr11:70644195-70647479	45.1487	39.3909	-0.1968	0.099520
<i>Aars</i>	chr8:111033143-111057664	12.5162	13.5697	0.1166	0.071840
<i>Pcbp3</i>	chr10:76761856-76961887	0.4497	0.6722	0.5800	0.108725
<i>Ublcp1</i>	chr11:44454570-44470498	6.0514	6.9208	0.1937	0.058573
<i>Arl4a</i>	chr12:40005446-40038025	4.4422	5.0784	0.1931	0.176796
<i>Gm15326</i>	chr13:111867935-111874730	1.4623	2.0909	0.5159	0.132228
<i>Nfu1</i>	chr6:87009235-87028461	13.8679	15.7195	0.1808	0.148594
<i>Gm26909</i>	chr8:22644860-22646286	3.6012	2.4640	-0.5475	0.009592
<i>Gm22988</i>	chr11:69669634-69669778	45.7945	32.4919	-0.4951	0.160118
<i>Mttr7</i>	chr8:40551094-40634797	3.1496	2.5203	-0.3216	0.128789
<i>Ube2n</i>	chr10:95515161-95545658	4.3788	3.7424	-0.2265	0.014060
<i>Gm12178</i>	chr11:48289983-48290313	1.7861	3.1687	0.8271	0.062458
<i>Mrpl22</i>	chr11:58171660-58179565	10.7398	12.6141	0.2321	0.055392
<i>Gm12258</i>	chr11:58847157-58861956	12.1131	9.9958	-0.2772	0.167573
<i>Stra13</i>	chr11:120710941-120713738	13.5162	16.2987	0.2701	0.185640
<i>4933426M11Rik</i>	chr12:80790531-80880832	27.8305	24.9256	-0.1590	0.055396
<i>Entpd5</i>	chr12:84373856-84409029	28.1942	25.6593	-0.1359	0.008177
<i>Zscan12</i>	chr13:21362826-21369824	10.6830	11.8156	0.1454	0.002427
<i>Gm6517</i>	chr5:66890363-66890884	7.9090	11.1263	0.4924	0.213498
<i>Clec2i</i>	chr6:128887587-128898167	44.0577	37.0704	-0.2491	0.173650
<i>Amn1</i>	chr6:149157146-149188712	4.6774	3.9411	-0.2471	0.063390
<i>Chst15</i>	chr7:132235779-132317228	8.2604	7.2116	-0.1959	0.048573
<i>Irf2</i>	chr8:46739744-46847458	10.4089	11.9235	0.1960	0.183997
<i>Arhgap10</i>	chr8:77250365-77517907	6.6435	7.5848	0.1912	0.106373
<i>Bace1</i>	chr9:45838579-45864399	10.4654	9.3060	-0.1694	0.047266
<i>Zfp445</i>	chr9:122851913-122862128	46.1077	40.6194	-0.1828	0.090895
<i>Trio</i>	chr15:27730651-28025848	2.9241	3.4707	0.2472	0.240078
<i>Ccser2</i>	chr14:36874935-36968777	15.1705	16.5523	0.1258	0.130680
<i>Gzmb</i>	chr14:56258855-56262260	9.2158	19.1322	1.0538	0.137483
<i>N6amt2</i>	chr14:57549597-57571569	25.1825	20.9959	-0.2623	0.098188
<i>Nme3</i>	chr17:24896499-24897522	19.6858	16.5498	-0.2503	0.053921
<i>Mkl2</i>	chr16:13256480-13417529	3.1102	3.6964	0.2491	0.260944
<i>Gabpa</i>	chr16:84834924-84863779	24.1560	25.9629	0.1041	0.038047
<i>Ndufs8</i>	chr19:3908869-3912717	43.4421	50.2756	0.2108	0.205701
<i>Csrp1</i>	chr1:135720060-135752232	38.7192	44.1068	0.1880	0.200869
<i>Hcn3</i>	chr3:89146073-89160196	2.3896	1.8762	-0.3490	0.128792
<i>Gm12655</i>	chr4:94460930-94477180	3.5155	2.0302	-0.7921	0.269105
<i>Gm12657</i>	chr4:94593649-94600310	2.1377	1.2391	-0.7867	0.160316
<i>Rcc1</i>	chr4:132331918-132353605	7.3005	6.4235	-0.1846	0.004079
<i>Cd247</i>	chr1:165788680-165877276	87.9741	96.3758	0.1316	0.157030
<i>Terf2ip</i>	chr8:112011358-112020528	10.6827	9.3464	-0.1928	0.046473
<i>Mapk14</i>	chr17:28691341-28748404	28.6108	26.0291	-0.1364	0.015329
<i>Max</i>	chr12:76937268-76962248	44.9892	49.9652	0.1513	0.134347
<i>Rsbn1l</i>	chr5:20893027-20951822	20.3312	22.1241	0.1219	0.113299
<i>B3gnt8</i>	chr7:25627623-25629490	0.3540	0.6448	0.8652	0.047100
<i>Gm16793</i>	chr8:35582571-35588972	2.0270	2.6361	0.3791	0.058463
<i>Gm8822</i>	chrX:81820383-81822730	3.7353	4.4463	0.2514	0.100705
<i>Chm</i>	chrX:113040594-113185517	15.5405	17.4484	0.1671	0.155346
<i>Lrp12</i>	chr15:39870602-39943994	3.2410	2.7016	-0.2626	0.065970
<i>Mcat</i>	chr15:83546796-83555711	9.3036	7.8909	-0.2376	0.033555
<i>Zfp54</i>	chr17:21423226-21435640	6.8968	5.7343	-0.2663	0.095690
<i>Lipt1</i>	chr1:37871737-37877387	4.2973	5.0053	0.2200	0.122156
<i>E230008N13Rik</i>	chr4:45890302-45950774	0.2905	0.4221	0.5392	0.079782
<i>Hist1h2bn</i>	chr13:21754122-21754503	2.4746	3.8572	0.6403	0.031130
<i>Gm26920</i>	chr7:30056033-30090410	10.4794	9.0943	-0.2045	0.021529
<i>Zfp709</i>	chr8:71887263-71890912	10.0066	8.4392	-0.2458	0.082995
<i>Cyc1</i>	chr15:76343522-76345934	42.2852	37.2750	-0.1819	0.057002

<i>Dad1</i>	chr14:54235478-54254104	18.0801	20.5332	0.1836	0.204734
<i>Kpna2-ps</i>	chr17:47620770-47622339	14.1146	11.2931	-0.3217	0.180961
<i>Cd200</i>	chr16:45382134-45409053	2.4534	3.0027	0.2915	0.164380
<i>Ltbp3</i>	chr19:5740903-5758532	0.9963	1.2271	0.3005	0.041660
<i>4930505N22Rik</i>	chr19:45998136-46013386	0.7008	1.2398	0.8231	0.073249
<i>Prpf18</i>	chr2:4622057-4652113	21.3658	19.0676	-0.1642	0.049547
<i>Sfmbt2</i>	chr2:10370509-10595253	3.0998	2.5348	-0.2903	0.212550
<i>Vps16</i>	chr2:130424338-130444269	42.5283	38.7419	-0.1345	0.018131
<i>Nxt1</i>	chr2:148672600-148676027	14.8656	12.4041	-0.2612	0.071170
<i>Gm23686</i>	chr3:18177461-18177625	9.2106	13.9935	0.6034	0.178472
<i>Dap3</i>	chr3:88920802-88951181	10.9440	9.7213	-0.1709	0.038119
<i>Cks1b</i>	chr3:89415471-89418383	3.5659	4.6181	0.3730	0.122717
<i>Gm20503</i>	chr4:59003209-59041888	28.7706	24.0266	-0.2600	0.119078
<i>Sept10</i>	chr10:59164112-59221847	0.1833	0.3779	1.0442	0.179690
<i>Pmvk</i>	chr3:89459117-89469013	11.8908	9.9510	-0.2569	0.047355
<i>Gm26648</i>	chr5:24696901-24704690	16.0085	17.2087	0.1043	0.022898
<i>Cfdp1</i>	chr8:111768472-111854310	52.7087	61.9834	0.2338	0.214951
<i>Msrb1</i>	chr17:24736641-24742778	17.2967	19.9526	0.2061	0.143988
<i>Cdyl</i>	chr13:35659861-35874064	7.5534	8.3957	0.1525	0.056975
<i>Pold2</i>	chr11:5872179-5878292	19.7192	22.4026	0.1841	0.161298
<i>Gm12230</i>	chr11:54947434-54947888	3.9396	2.5898	-0.6052	0.013496
<i>Slc39a11</i>	chr11:113244852-113650079	7.2860	6.0839	-0.2601	0.108961
<i>2310002F09Rik</i>	chr7:43695208-43797945	0.4621	0.7909	0.7752	0.129291
<i>4931415C17Rik</i>	chr8:12672185-12679229	0.6922	0.4699	-0.5588	0.004695
<i>Ddx3x</i>	chrX:13280969-13294052	100.3917	109.4969	0.1253	0.120888
<i>Homez</i>	chr14:54852735-54870961	2.6815	3.0675	0.1940	0.064168
<i>Tnfrsf10b</i>	chr14:69767471-69784403	1.2422	1.5793	0.3464	0.078878
<i>Fam45a</i>	chr19:60811584-60836227	5.4918	6.1667	0.1672	0.117423
<i>1110058L19Rik</i>	chr1:23995938-24005656	7.1559	5.1717	-0.4685	0.187631
<i>Gm13708</i>	chr2:73459704-73477602	8.0923	5.4353	-0.5742	0.150454
<i>Cwc22</i>	chr2:77881158-77946375	8.8412	9.8150	0.1508	0.153573
<i>Snapi1</i>	chr3:90488025-90491033	29.1757	31.7153	0.1204	0.073908
<i>Cpsf4l</i>	chr11:113698171-113710017	1.1015	0.7525	-0.5496	0.046114
<i>Jag2</i>	chr12:112908589-112929495	0.8898	0.6500	-0.4531	0.064945
<i>A1987944</i>	chr7:41373771-41393260	18.8477	21.2832	0.1753	0.120235
<i>Itgad</i>	chr7:128154375-128223816	0.7610	1.1406	0.5839	0.302434
<i>Itgb1</i>	chr8:128685653-128733200	52.1659	59.9018	0.1995	0.283909
<i>Emd</i>	chrX:74254686-74261548	16.7657	19.1401	0.1911	0.188949
<i>Fam110a</i>	chr2:151969397-151980219	1.9840	1.5172	-0.3870	0.011534
<i>Plaa</i>	chr4:94567513-94603244	22.9978	24.8442	0.1114	0.061305
<i>Gnb1</i>	chr4:155491360-155559269	30.3479	27.4322	-0.1457	0.024232
<i>Zfp418</i>	chr7:7171329-7183562	3.1642	2.5767	-0.2963	0.029557
<i>Dazap2</i>	chr15:100615627-100620731	71.4058	81.3099	0.1874	0.192828
<i>Klra1</i>	chr6:130363917-130386874	0.5607	0.9369	0.7405	0.125448
<i>A630052C17Rik</i>	chr11:29170908-29173558	11.4157	9.7306	-0.2304	0.073777
<i>Gimap5</i>	chr6:48746196-48754210	47.2679	41.6138	-0.1838	0.090750
<i>Ppm1k</i>	chr6:57506501-57535426	13.6577	11.9114	-0.1974	0.095777
<i>BC024978</i>	chr7:27195780-27205386	2.0114	2.4725	0.2978	0.075000
<i>4933406J10Rik</i>	chr7:82743367-82755644	0.8008	1.3590	0.7630	0.136605
<i>Urb2</i>	chr8:124021507-124048505	11.0077	9.8215	-0.1645	0.050594
<i>Gmfb</i>	chr14:46808148-46822242	57.8160	51.0477	-0.1796	0.104193
<i>Gm16305</i>	chr1:138991549-138992021	2.2077	1.2476	-0.8234	0.022364
<i>Fam129b</i>	chr2:32876113-32925254	0.2727	0.4300	0.6569	0.171884
<i>Kif18a</i>	chr2:109280737-109341747	1.3792	1.6522	0.2606	0.227968
<i>Gnl2</i>	chr4:125016584-125055380	26.5590	29.1732	0.1354	0.130819
<i>Trnp1</i>	chr4:133491099-133498550	0.8534	0.4568	-0.9015	0.226896
<i>Phactr2</i>	chr10:13207716-13474396	0.3596	0.4844	0.4299	0.181326
<i>Gm15892</i>	chr11:88059065-88067476	0.3412	0.7205	1.0782	0.177671
<i>Dnajc7</i>	chr11:100582817-100620168	54.7229	49.4568	-0.1460	0.024630
<i>Gm15492</i>	chr6:113308665-113326747	7.4150	5.5083	-0.4288	0.084481
<i>Rplp1</i>	chr9:61913283-61914538	2963.5895	3576.6920	0.2713	0.255623
<i>Smug1</i>	chr15:103153306-103158002	8.0250	6.8065	-0.2376	0.103680
<i>Myo3b</i>	chr2:70039125-70429198	0.7272	0.9728	0.4198	0.195596
<i>Ampd2</i>	chr3:108074061-108086651	8.8157	7.6531	-0.2040	0.104764
<i>Gm21781</i>	chr10:4391586-4396424	11.5930	9.7417	-0.2510	0.149037
<i>Txnrd2</i>	chr16:18426416-18479073	2.8693	2.3411	-0.2935	0.055043
<i>H2-T24</i>	chr17:36005694-36020560	42.2331	50.4510	0.2565	0.281971
<i>Mkrr1</i>	chr6:39397803-39420462	22.9533	20.7441	-0.1460	0.019857
<i>Cxcr3</i>	chrX:101731534-101734269	38.5362	47.0465	0.2879	0.273050
<i>Ezr</i>	chr17:6738040-6782784	182.7745	203.0779	0.1520	0.205780
<i>Ndufb2</i>	chr6:39592573-39603382	6.0528	5.1905	-0.2217	0.082243

<i>Ngly1</i>	chr14:16249279-16311926	21.2717	22.6654	0.0916	0.013950
<i>Gtpbp2</i>	chr17:46161031-46169370	29.0131	26.0735	-0.1541	0.052935
<i>Spred2</i>	chr11:19924374-20024026	3.0165	3.5902	0.2512	0.155421
<i>Chtop</i>	chr3:90498955-90509498	67.2344	60.2377	-0.1585	0.049312
<i>Ube2d3</i>	chr3:135438296-135467178	102.5777	117.0208	0.1900	0.204431
<i>Acpt</i>	chr7:44252147-44257378	4.4588	3.5219	-0.3403	0.094798
<i>Gm22247</i>	chr4:46495154-46495285	5.0467	8.6780	0.7820	0.131340
<i>Ttc28</i>	chr5:110879802-111289780	0.8231	1.0205	0.3102	0.225984
<i>Snord34</i>	chr7:45126600-45126670	68.7698	84.1207	0.2907	0.021964
<i>Gm17227</i>	chr19:7297657-7304528	1.1225	0.6316	-0.8295	0.053257
<i>Sv2a</i>	chr3:96181150-96195521	2.4289	2.0240	-0.2631	0.018272
<i>Mir5114</i>	chr19:44303170-44303231	22.3952	13.3022	-0.7515	0.060052
<i>Pigw</i>	chr11:84876314-84880285	5.0584	4.2407	-0.2544	0.051735
<i>Ptprcap</i>	chr19:4154605-4156751	307.1032	344.9426	0.1676	0.213081
<i>Mpp7</i>	chr18:7347961-7626863	3.2726	3.8000	0.2156	0.162224
<i>Atp13a1</i>	chr8:69791162-69807749	42.9275	38.8945	-0.1423	0.057063
<i>Ly6e</i>	chr15:74955050-74959905	130.4929	144.8188	0.1503	0.197229
<i>Mat2a</i>	chr6:72432798-72439558	78.1738	69.2524	-0.1748	0.093863
<i>Tlr7</i>	chrX:167304928-167330558	5.3134	5.1434	0.6344	0.156426
<i>Epc2</i>	chr2:49451485-49551948	28.6168	31.0394	0.1172	0.076734
<i>Vash2</i>	chr1:190947647-190979296	0.4552	0.6423	0.4969	0.139157
<i>Fam169a</i>	chr13:97067286-97129521	1.1675	1.4695	0.3320	0.118102
<i>Gm5901</i>	chr7:105375097-105378287	2.1748	1.4495	-0.5853	0.072023
<i>Dpy19l1</i>	chr9:24411775-24503140	22.8734	20.3114	-0.1714	0.088707
<i>Gucy1b3</i>	chr3:82032003-82074711	0.2442	0.4859	0.9923	0.291237
<i>A330017A19Rik</i>	chr17:46889215-46890405	0.9409	1.4579	0.6319	0.080703
<i>Grk6</i>	chr13:55445333-55460925	193.7173	175.7788	-0.1402	0.066283
<i>Vdac3</i>	chr8:22577074-22593813	11.0734	9.1055	-0.2823	0.115123
<i>Gm24888</i>	chr7:109521279-109521409	16.5764	10.1701	-0.7048	0.182660
<i>Srbd1</i>	chr17:85984664-86145175	13.1616	14.3849	0.1282	0.084573
<i>Ccndbp1</i>	chr2:121008402-121016904	21.0239	22.7955	0.1167	0.071564
<i>Ktn1</i>	chr14:47663755-47736563	21.4653	23.4184	0.1256	0.175585
<i>Klf20b</i>	chr19:34922357-34975731	8.4029	9.2828	0.1437	0.129334
<i>Snord45b</i>	chr3:153910562-153910633	15.6634	8.5365	-0.8757	0.124419
<i>Slc39a3</i>	chr10:81028537-81037426	6.5280	6.5980	-0.1962	0.027370
<i>Dhrs7b</i>	chr11:60830630-60860195	5.7067	4.8927	-0.2220	0.034210
<i>Gpr19</i>	chr6:134869092-134897925	2.6612	3.1830	0.2583	0.068048
<i>Prc1</i>	chr7:80294449-80316259	2.2501	2.8750	0.3536	0.319667
<i>Fanca</i>	chr8:123268299-123318576	1.7935	1.5087	-0.2496	0.079314
<i>Ttc9c</i>	chr19:8809074-8819333	16.1060	14.0175	-0.2004	0.098060
<i>Gzmm</i>	chr10:79689019-79695261	5.6635	7.3704	0.3801	0.237300
<i>Gm16239</i>	chr10:99179183-99184610	0.3938	0.6474	0.7172	0.208523
<i>Gm12195</i>	chr11:50134081-50135004	3.6988	5.4078	0.5480	0.108659
<i>Cyb5d1</i>	chr11:69391924-69395631	4.8032	5.9237	0.3025	0.126165
<i>Ywhae</i>	chr11:75732868-75765845	33.5922	37.7495	0.1683	0.197297
<i>Map3k3</i>	chr11:106084612-106155446	56.3552	51.2590	-0.1367	0.025687
<i>Polr1d</i>	chr5:147077049-147111361	30.3524	25.3642	-0.2590	0.174870
<i>Gm26811</i>	chr6:89304629-89327621	0.1980	0.1170	-0.7591	0.010054
<i>Kras</i>	chr6:145216698-145250239	23.1956	25.3002	0.1253	0.148608
<i>Gm15673</i>	chr7:101238340-101239278	2.5381	1.6978	-0.5801	0.117554
<i>Trim3</i>	chr7:105604462-105633571	0.9938	1.3028	0.3906	0.181719
<i>Dbnnd1</i>	chr8:123504717-123515463	1.1762	0.8307	-0.5018	0.119397
<i>Rprd1a</i>	chr18:24484961-24530204	3.8701	3.2840	-0.2369	0.050260
<i>Lrif1</i>	chr3:106684986-106736577	12.3516	14.0530	0.1862	0.252384
<i>Zfp459</i>	chr13:67405721-67421418	3.8554	3.2574	-0.2431	0.009783
<i>Ogfod2</i>	chr5:124112296-124115483	8.4147	7.1333	-0.2384	0.068374
<i>Zfp949</i>	chr9:88548019-88571086	9.0272	7.9092	-0.1908	0.046282
<i>Ahnak</i>	chr19:8989283-9076919	78.7209	89.5708	0.1863	0.291999
<i>Tstd3</i>	chr4:21757381-21767212	7.2663	8.8963	0.2920	0.229438
<i>Gm11478</i>	chr11:86630427-86631026	25.3766	19.8491	-0.3544	0.172935
<i>Gm26887</i>	chr8:84192773-84197667	0.9263	1.6788	0.8578	0.033562
<i>Cdon</i>	chr9:35421127-35507651	9.2680	8.1698	-0.1820	0.089757
<i>Nlrp1b</i>	chr11:71153101-71230733	0.5994	0.7561	0.3351	0.063884
<i>Dcun1d4</i>	chr5:73481001-73560794	1.5762	1.8324	0.2173	0.021312
<i>Cnih4</i>	chr1:181150930-181168994	4.3065	4.9387	0.1976	0.119645
<i>Gsn</i>	chr2:35279662-35307892	17.1865	14.4504	-0.2502	0.171006
<i>Vps11</i>	chr9:44348105-44361670	25.6672	23.1060	-0.1517	0.037876
<i>Utp18</i>	chr11:93859242-93885766	28.4043	25.6097	-0.1494	0.020163
<i>Serbp1</i>	chr6:67266978-67289302	104.9254	118.8850	0.1802	0.228187
<i>Zfp868</i>	chr8:69610856-69625548	8.2910	9.3382	0.1716	0.111172
<i>Mdh1</i>	chr11:21556786-21572367	61.1789	53.0339	-0.2061	0.132877

Zbtb2	chr10:4367073-4388108	13.3992	15.4233	0.2030	0.209471
Tap2	chr17:34203526-34216321	58.1502	51.5334	-0.1743	0.123926
Efcab8	chr2:153780878-153844752	0.1726	0.2770	0.6820	0.027294
Dynlt1c	chr17:6601670-6609774	0.4171	0.2583	-0.6909	0.093673
Gm15956	chr18:12193767-12198675	6.7595	8.9762	0.4092	0.118883
Arhgap26	chr18:38601533-39376284	3.2829	3.7251	0.1823	0.249975
Hivep1	chr13:42052020-42185026	6.2900	7.2150	0.1979	0.276509
Tomm20	chr8:126930663-126945921	11.4994	12.5505	0.1262	0.103631
Slc22a17	chr14:54906726-54913132	0.3940	0.6424	0.7055	0.117656
Phgdh	chr3:98313169-98339990	7.6312	6.5030	-0.2308	0.067742
Ndufb6	chr4:40270590-40279421	31.1846	25.6426	-0.2823	0.138078
Gdf1	chr8:70315774-70331592	0.9338	0.6294	-0.5691	0.104721
Gtdc1	chr2:44564411-44927657	2.8268	3.2240	0.1897	0.196106
B230219D22Rik	chr13:55693123-55703499	39.1849	35.3676	-0.1479	0.063115
Vopp1	chr6:57727806-57825154	5.8475	6.3061	0.1089	0.016812
NA	chr1:160044583-160071509	89.1891	100.3963	0.1708	0.147128
Cited2	chr10:17723227-17725673	5.4042	6.9469	0.3623	0.288333
Eif2ak3	chr6:70844514-70905245	10.2875	9.2315	-0.1563	0.015261
Zfp667	chr7:6286578-6307883	2.6077	2.1165	-0.3010	0.103666
L1cam	chrX:73853777-73896105	3.5151	3.0370	-0.2109	0.076910
Zfp597	chr16:3858320-3884561	11.2666	9.8005	-0.2011	0.126023
Tns1	chr1:73910230-74124447	1.6079	1.3397	-0.2633	0.113644
Fubp3	chr2:31572650-31617526	7.3405	8.1893	0.1579	0.115444
Caprin1	chr2:103762940-103797649	44.9795	48.2907	0.1025	0.074392
Atp10a	chr7:58658201-58829426	15.6257	17.2658	0.1440	0.195076
Dpf2	chr19:5896515-5913010	9.3986	8.4348	-0.1561	0.038774
Slc12a2	chr18:57878677-57946821	2.4706	2.8911	0.2268	0.200761
Akirin2	chr4:34550936-34566908	30.2989	26.6153	-0.1870	0.079133
Gm14026	chr2:129168699-129170488	1.3215	1.9010	0.5246	0.204789
Lpin1	chr12:16535668-16589770	14.3514	16.1318	0.1687	0.254113
Gm24265	chr5:115489458-115489599	454.5324	269.7317	-0.7529	0.170578
Apobr	chr7:126584941-126589112	4.6743	5.6814	0.2815	0.196040
Nod2	chr8:88647314-88688474	0.6220	0.8483	0.4476	0.231498
1810049J17Rik	chr15:12321437-12321899	49.5321	62.4889	0.3352	0.293130
Rab11fip3	chr17:25989035-26069409	2.5286	2.1471	-0.2360	0.076601
Cspp1	chr1:10038217-10136768	6.8234	7.5817	0.1520	0.148507
Pik3c2b	chr1:133045666-133108687	0.3946	0.2994	-0.3981	0.000925
Bbs12	chr3:37312553-37321453	3.7686	3.0757	-0.2931	0.043981
NA	chr3:84965055-84965580	7.1204	5.3068	-0.4241	0.043468
Mylip	chr13:45389741-45412019	36.2667	39.2961	0.1157	0.143918
Hmgxb3	chr18:61131278-61177050	19.0753	17.1537	-0.1532	0.067286
Dgcr2	chr16:17839481-17894145	18.1894	16.0820	-0.1777	0.118364
B630005N14Rik	chr6:13625676-13677966	19.8491	16.8062	-0.2401	0.209897
Scarf1	chr11:75513539-75526582	1.0697	0.7556	-0.5015	0.085198
Gclc	chr9:77754534-77794485	23.6138	25.8397	0.1300	0.150124
Herc2	chr7:56050154-56231794	41.2341	37.3209	-0.1439	0.071506
Gm26566	chr4:88721804-88722842	19.6847	16.1330	-0.2871	0.136167
Pdlim7	chr13:55495794-55513676	0.8567	1.0875	0.3440	0.092910
Fam96a	chr9:66126610-66138955	34.8259	40.5522	0.2196	0.214397
Naa16	chr14:79334203-79390778	6.7580	7.5324	0.1565	0.140862
Ddb1	chr19:10605624-10629813	88.3651	80.2664	-0.1387	0.029708
Chrn2	chr3:89753447-89764632	1.9646	2.2970	0.2256	0.111432
Mir1902	chr2:104428860-104428940	16.7558	10.5613	-0.6659	0.006850
Gm26602	chr10:79910855-79911140	41.0843	50.5147	0.2981	0.216427
Rest	chr5:77265490-77286432	19.1220	17.4284	-0.1338	0.009523
Slc41a3	chr6:90604724-90646412	0.8995	1.2138	0.4323	0.117217
Skiv2l	chr17:34839227-34850210	29.3952	26.4428	-0.1527	0.074182
Klhdc3	chr17:46674549-46680930	18.4007	15.4491	-0.2522	0.186256
Setd4	chr16:93583456-93604063	5.2610	4.4980	-0.2260	0.102239
Polr2a	chr19:5940542-5964206	18.1101	19.7836	0.1275	0.102481
Bbs7	chr3:36573141-36613477	0.3600	0.5265	0.5487	0.115975
Manba	chr3:135485610-135571404	6.0457	5.2795	-0.1955	0.087220
Nol9	chr4:152039320-152061494	18.9361	16.9501	-0.1598	0.059323
Noc2l	chr4:156236009-156247616	58.9588	64.2394	0.1237	0.171447
Esyt1	chr10:128510247-128525859	197.9292	178.9684	-0.1453	0.105831
Mfsd2b	chr12:4862439-4874359	0.6280	0.4484	-0.4860	0.103388
Gm23553	chr13:9109304-9109599	4.1904	2.4253	-0.7889	0.065243
Sorcs2	chr5:36017179-36398139	1.9757	1.5723	-0.3295	0.201049
Parp12	chr6:39086409-39118349	7.9904	9.5443	0.2564	0.296437
Cdca3	chr6:124829546-124833701	3.4209	4.1610	0.2825	0.202110
Npas1	chr7:16455720-16476780	0.5433	0.3150	-0.7865	0.087434

<i>Proser3</i>	chr7:30539133-30552296	1.6577	1.3088	-0.3410	0.037368
<i>Zfp143</i>	chr7:110061701-110095392	23.0562	25.2742	0.1325	0.097842
<i>Fcer2a</i>	chr8:3681736-3694174	0.6351	0.9010	0.5046	0.037492
<i>Setd6</i>	chr8:95715914-95719010	23.1343	25.3449	0.1317	0.075075
<i>Dnaaf1</i>	chr8:119575234-119598454	4.2737	3.5185	-0.2805	0.095011
<i>PsmA4</i>	chr9:54950789-54958030	34.1570	38.8250	0.1848	0.218467
<i>Cdkl5</i>	chrX:160784307-160994702	0.5839	0.7846	0.4262	0.028637
<i>Cpped1</i>	chr16:11803720-11909445	0.9088	1.1321	0.3170	0.097703
<i>3110001122Rik</i>	chr16:13671928-13678405	12.7799	10.6911	-0.2575	0.141158
<i>Dtymk</i>	chr1:93792575-93801934	21.8301	19.2044	-0.1849	0.084574
<i>Zeb1</i>	chr18:5591859-5775467	14.0770	15.1666	0.1076	0.091182
<i>Mppe1</i>	chr18:67225529-67245830	60.2369	54.3918	-0.1473	0.047282
<i>Gm14227</i>	chr2:155198631-155199260	1.7459	0.9958	-0.8101	0.109903
<i>Ptprf</i>	chr4:118208212-118291405	0.1583	0.0903	-0.8108	0.174077
<i>A430005L14Rik</i>	chr4:153957236-153961925	10.0938	11.4068	0.1764	0.039817
<i>Plekhn1</i>	chr4:156221455-156228542	5.4012	4.4280	-0.2866	0.098662
<i>Aqp11</i>	chr7:97726378-97738247	0.9728	0.5817	-0.7418	0.068303
<i>Dock2</i>	chr11:34226814-34783892	126.3417	136.7945	0.1147	0.213151
<i>Syncrip</i>	chr9:88449728-88482574	35.7881	38.5540	0.1074	0.101553
<i>Dbndd2</i>	chr2:164486105-164493319	1.1347	0.8576	-0.4039	0.101506
<i>Smpdl3a</i>	chr10:57794334-57811830	52.8483	58.8765	0.1558	0.206682
<i>Sos2</i>	chr12:69583761-69681852	5.1219	5.8365	0.1884	0.248183
<i>Vps41</i>	chr13:18717291-18866809	33.6348	36.2109	0.1065	0.079599
<i>4931431C16Rik</i>	chr5:35581226-35588763	3.0102	3.5818	0.2508	0.146173
<i>1700049G17Rik</i>	chr7:27907391-27929460	2.0806	2.3688	0.1872	0.114272
<i>0610043K17Rik</i>	chr4:101353782-101399181	2.5031	3.4405	0.4589	0.109746
<i>2310022B05Rik</i>	chr8:124635765-124663369	0.9660	1.2822	0.4085	0.222520
<i>Myo1e</i>	chr9:70207349-70400067	0.3761	0.5948	0.6611	0.268017
<i>Tor3a</i>	chr1:156653616-156674356	6.1824	7.0899	0.1976	0.208201
<i>Fam98b</i>	chr2:117249738-117271540	2.2692	2.6964	0.2488	0.112537
<i>Gm14494</i>	chr2:153826052-153826834	3.0572	2.0796	-0.5559	0.092299
<i>Traj50</i>	chr14:54167589-54167652	16.2698	9.0177	-0.8514	0.073188
<i>Lsr</i>	chr7:30957408-30983169	3.5454	3.9528	0.1569	0.017648
<i>Arg1</i>	chr10:24915207-24927470	0.9573	0.5955	-0.6850	0.055405
<i>Gm20645</i>	chr11:23736846-23740357	4.8886	5.7562	0.2357	0.260395
<i>Slc16a5</i>	chr11:115462473-115474398	18.2483	15.5391	-0.2319	0.162462
<i>Gm17194</i>	chr12:79168485-79168833	6.0315	8.5161	0.4977	0.122426
<i>Arid4b</i>	chr13:14063231-14199603	16.0882	17.0820	0.0865	0.053446
<i>Gm2420</i>	chr5:32724351-32736194	1.9455	2.5410	0.3852	0.071446
<i>Rchy1</i>	chr5:91948903-91963068	17.9759	16.0202	-0.1662	0.031812
<i>Gm14335</i>	chr6:115638249-115639059	2.5048	3.5925	0.5203	0.235642
<i>Acer3</i>	chr7:98213657-98321208	3.4120	3.9621	0.2157	0.160749
<i>Casp3</i>	chr8:46617448-46638706	13.2138	15.5851	0.2381	0.252794
<i>Cers1</i>	chr8:70315786-70331587	0.6490	0.4351	-0.5767	0.067942
<i>Calr</i>	chr8:84841849-84846934	168.3593	184.6139	0.1330	0.233329
<i>Sh3kbp1</i>	chrX:159627271-159978069	51.9461	56.2966	0.1160	0.124659
<i>Nfam1</i>	chr15:82997720-83033306	1.4315	1.8223	0.3483	0.158868
<i>Trav5-1</i>	chr14:52622565-52623082	2.6993	4.2147	0.6428	0.043877
<i>Irf9</i>	chr14:55603570-55610030	42.2987	45.8720	0.1170	0.180107
<i>Diap3</i>	chr14:86655366-87141224	2.0144	2.5375	0.3331	0.296914
<i>Mtpap</i>	chr18:4375591-4397330	21.7977	23.5020	0.1086	0.053254
<i>Snx2</i>	chr18:53176364-53220860	34.3071	37.7384	0.1375	0.153679
<i>Pcyox1l</i>	chr18:61696836-61707635	0.5479	0.8007	0.5475	0.176506
<i>Mbd2</i>	chr18:70568188-70626131	72.0687	78.7613	0.1281	0.147844
<i>Gm13349</i>	chr2:18338578-18338989	2.5064	1.3690	-0.8725	0.110034
<i>Zmat3</i>	chr3:32334795-32365678	1.4874	1.1765	-0.3383	0.183520
<i>Spag17</i>	chr3:99885405-100143322	1.3992	1.6192	0.2107	0.066768
<i>Abcd3</i>	chr3:121758908-121815302	9.0623	8.0239	-0.1756	0.035157
<i>Fam213b</i>	chr4:154895503-154899135	0.7454	1.2501	0.7459	0.078980
<i>Prss36</i>	chr7:127932637-127946725	0.5497	0.3534	-0.6375	0.092628
<i>A930012O16Rik</i>	chr2:57236226-57238508	0.8150	1.1667	0.5176	0.021943
<i>Gm12739</i>	chr4:108484170-108484552	3.5179	5.0663	0.5262	0.056030
<i>Hspa2</i>	chr12:76404175-76406934	0.2571	0.4595	0.8378	0.177126
<i>Pald1</i>	chr10:61319656-61383523	0.1782	0.3193	0.8416	0.184014
<i>Mrpl34</i>	chr8:71464925-71465752	37.8332	45.0151	0.2508	0.237729
<i>Tmem88</i>	chr11:69396518-69398234	7.2157	8.5233	0.2403	0.155784
<i>Grk5</i>	chr19:60889748-61092553	1.4567	1.1030	-0.4012	0.098929
<i>Sept7</i>	chr9:25252438-25308571	156.6068	175.9539	0.1681	0.223390
<i>BC094916</i>	chr1:173519716-173535957	39.6170	45.3383	0.1946	0.287454
<i>Aida</i>	chr1:183297059-183324501	9.5814	10.6511	0.1527	0.147225
<i>Armc10</i>	chr5:21645812-21662694	26.9816	29.7595	0.1414	0.146322

<i>Oas1c</i>	chr5:120800193-120812514	9.6917	10.9120	0.1711	0.133607
<i>Ciita</i>	chr16:10488177-10527564	0.4321	0.5728	0.4065	0.046223
<i>B930094E09Rik</i>	chr18:31609511-31610751	4.9429	3.8901	-0.3455	0.077392
<i>Vmp1</i>	chr11:86583864-86683836	35.2584	46.2234	0.3907	0.197624
<i>Pkn1</i>	chr8:83669761-83699179	32.7709	29.8746	-0.1335	0.063284
<i>Ncor1</i>	chr11:62316425-62458541	51.6837	54.7945	0.0843	0.075384
<i>Gm11725</i>	chr11:117871249-117887416	3.4478	2.7133	-0.3456	0.066324
<i>Igf2bp3</i>	chr6:49085220-49214954	2.1512	2.5810	0.2628	0.217859
<i>Nup133</i>	chr8:123897122-123949265	7.5718	6.7574	-0.1642	0.020057
<i>Gm26527</i>	chr13:93940989-93943015	1.7274	2.3689	0.4556	0.247154
<i>Rrad</i>	chr8:104628065-104631321	14.9792	12.6960	-0.2386	0.104142
<i>Zfp442</i>	chr2:150407140-150451486	0.7340	1.0664	0.5389	0.219234
<i>Gnb2</i>	chr5:137528126-137533510	50.5069	44.4719	-0.1836	0.124554
<i>Atg4d</i>	chr9:21265298-21274368	36.0360	32.4072	-0.1531	0.068152
<i>Zfp850s</i>	chr13:67729261-67756838	0.8295	1.0447	0.3329	0.076627
<i>Pdss2</i>	chr10:43221485-43464882	2.5176	2.1316	-0.2401	0.065390
<i>Map2k2</i>	chr10:81105914-81124697	22.3841	19.8253	-0.1751	0.099011
<i>Lsm11</i>	chr11:45928268-45944935	5.7882	5.1404	-0.1712	0.040766
<i>Ncapg2</i>	chr12:116405401-116463531	2.5942	3.1720	0.2901	0.300608
<i>Cad</i>	chr5:31054779-31078479	14.7747	12.8668	-0.1995	0.185024
<i>Mfge8</i>	chr7:79133768-79149060	7.8191	6.6594	-0.2316	0.083336
<i>Ccdc130</i>	chr8:84257794-84270380	5.2080	5.9652	0.1959	0.114204
<i>Ifngr2</i>	chr16:91547071-91565169	10.9286	9.4131	-0.2154	0.108273
<i>Gm22697</i>	chr18:42301889-42301952	15.8450	8.9835	-0.8187	0.069815
<i>Iffo2</i>	chr4:139530547-139620382	5.6075	4.8481	-0.2099	0.104187
<i>A230020J21Rik</i>	chr1:191025349-191026186	6.5857	4.9914	-0.3999	0.144020
<i>Crebrf</i>	chr17:26715649-26776635	34.0202	36.3459	0.0954	0.076738
<i>Clk1</i>	chr1:58410188-58424066	124.2937	113.0138	-0.1373	0.060516
<i>Shhg5</i>	chr9:88521051-88522929	38.9749	43.3561	0.1537	0.179049
<i>Sulf2</i>	chr2:166073088-166155663	0.6292	0.4689	-0.4243	0.072709
<i>Gm15472</i>	chr3:103863165-103864423	10.8679	8.9137	-0.2860	0.077848
<i>Cd5</i>	chr19:10718142-10738974	114.6245	122.1331	0.0915	0.144661
<i>Snapc4</i>	chr2:26362764-26380653	11.7358	10.6766	-0.1365	0.016158
<i>Prdm11</i>	chr2:92965150-93046167	2.0249	1.7393	-0.2194	0.154269
<i>Gm13346</i>	chr2:19676710-19686157	0.2113	0.3517	0.7346	0.144231
<i>Diablo</i>	chr5:123509764-123524176	12.4301	11.1422	-0.1578	0.038323
<i>Snora30</i>	chr7:127527873-127528003	9.5888	6.0515	-0.6641	0.001945
<i>Eij2s1</i>	chr12:78861818-78887010	32.5340	36.2339	0.1554	0.193115
<i>Vmn1r-ps145</i>	chr17:20969060-20969484	1.2970	2.2553	0.7981	0.123392
<i>Gm16549</i>	chr14:72589751-72603367	3.7381	2.4197	-0.6275	0.071902
<i>Gmfg</i>	chr7:28437446-28448233	29.6286	33.6968	0.1856	0.220355
<i>Tmem55a</i>	chr4:14864075-14915176	7.4558	8.5870	0.2038	0.183049
<i>Fbxo30</i>	chr10:11281329-11298052	1.8453	2.1401	0.2138	0.062294
<i>NA</i>	chr10:59221952-59226431	0.2749	0.3923	0.5128	0.014352
<i>Sowahc</i>	chr10:59221952-59226434	0.2746	0.3918	0.5128	0.014352
<i>Ipmk</i>	chr10:71347762-71433327	4.1167	4.5204	0.1349	0.063443
<i>Gm11491</i>	chr11:87121566-87126958	3.5816	4.4006	0.2971	0.038242
<i>Cdk5rap3</i>	chr11:96907425-96916496	14.5409	16.0570	0.1431	0.171887
<i>Rsad2</i>	chr12:26442752-26456452	2.9846	5.3957	0.8542	0.147129
<i>Atxn71l</i>	chr12:33147692-33375659	3.8937	4.5398	0.2215	0.307060
<i>1110008L16Rik</i>	chr12:55302636-55382491	6.5711	7.3824	0.1680	0.123847
<i>Rpl36al</i>	chr12:69182730-69184083	16.8674	13.8224	-0.2872	0.207604
<i>Exd2</i>	chr12:80463094-80498135	13.0360	11.5874	-0.1699	0.045645
<i>2410016O06Rik</i>	chr12:83950607-83952953	17.1029	14.8905	-0.1998	0.095638
<i>Tnip2</i>	chr5:34496086-34513997	6.1070	7.0076	0.1984	0.165022
<i>Prkab1</i>	chr5:116013585-116024508	17.8834	19.2476	0.1061	0.041809
<i>Erdr1</i>	chrY:90784737-90816464	4.6320	6.2221	0.4258	0.238592
<i>Ube2s</i>	chr7:4808154-4812351	7.4388	6.0033	-0.3093	0.021437
<i>Polr3e</i>	chr7:120917743-120947432	20.4383	18.4779	-0.1455	0.040349
<i>2310057M21Rik</i>	chr7:131342717-131362698	6.0085	5.1197	-0.2309	0.019913
<i>Mau2</i>	chr8:70016122-70042734	44.7763	40.9445	-0.1291	0.054054
<i>N4bp1</i>	chr8:86841138-86885258	8.2523	9.5744	0.2144	0.288124
<i>Rasl12</i>	chr9:65398487-65414853	0.1277	0.2792	1.1284	0.171297
<i>Gm15008</i>	chrX:36910833-36911985	3.4432	2.2744	-0.5983	0.019262
<i>Slc9a6</i>	chrX:56609756-56664230	5.5615	4.7831	-0.2175	0.123695
<i>Snord8</i>	chr14:52209784-52209894	10.2567	6.1632	-0.7348	0.035612
<i>D630044L22Rik</i>	chr17:25951471-25963610	1.3528	1.0017	-0.4334	0.143529
<i>Hspa1l</i>	chr17:34972702-34979284	1.9819	1.5522	-0.3526	0.028408
<i>Flot1</i>	chr17:35823229-35832791	16.9742	19.6546	0.2115	0.283496
<i>Fez2</i>	chr17:78377884-78418131	10.5785	11.9098	0.1710	0.140414
<i>Sult6b1</i>	chr17:78883937-78906992	1.8102	2.3348	0.3671	0.187804

<i>Senp2</i>	chr16:22009483-22049269	24.1294	21.6086	-0.1592	0.077809
<i>Lpp</i>	chr16:24393349-24992576	3.9601	4.4487	0.1678	0.274256
<i>Esrra</i>	chr19:6910976-6921813	11.9513	10.5059	-0.1860	0.057351
<i>Rftn2</i>	chr1:55170158-55226782	1.7080	1.9926	0.2223	0.113060
<i>Ramp1</i>	chr1:91179821-91225196	13.3270	10.5271	-0.3402	0.219805
<i>Brox</i>	chr1:183276341-183297256	16.6643	14.6743	-0.1835	0.089121
<i>Psmd5</i>	chr2:34852087-34870939	18.0525	15.7926	-0.1930	0.111094
<i>Med19</i>	chr2:84678401-84688215	14.8305	16.5192	0.1556	0.117883
<i>Apoa1bp</i>	chr3:88056522-88058495	27.4384	30.5130	0.1532	0.118909
<i>Cep85</i>	chr4:134129857-134187112	14.7823	13.2941	-0.1531	0.032584
<i>Gm25951</i>	chr4:140717042-140717106	86.2781	67.9613	-0.3443	0.046445
<i>Rps15-ps2</i>	chr6:58017489-58017975	2.9710	1.6068	-0.8868	0.169828
<i>Ccdc157</i>	chr11:4141122-4160293	2.5679	2.1895	-0.2300	0.048121
<i>Orc3</i>	chr4:34570795-34614944	25.3360	27.2314	0.1041	0.112369
<i>Sesn3</i>	chr9:14276300-14326138	52.8915	47.6735	-0.1498	0.077383
<i>Tagap1</i>	chr17:6954964-6961156	8.2553	7.0969	-0.2181	0.080582
<i>Pik3r2</i>	chr8:70768175-70776713	3.2930	3.8441	0.2232	0.188466
<i>Dpp4</i>	chr2:62330072-62412231	75.0242	80.8002	0.1070	0.190802
<i>4930513N10Rik</i>	chr8:95806829-95821728	1.5669	1.2389	-0.3389	0.081366
<i>Gm22711</i>	chr11:106501242-106501377	11.4156	6.8204	-0.7431	0.138415
<i>Nat9</i>	chr11:115182831-115187859	2.7187	3.2862	0.2735	0.072250
<i>Ybx3</i>	chr6:131364857-131388450	14.3571	16.7731	0.2244	0.291112
<i>Klhl42</i>	chr6:147091378-147112778	22.1418	19.6082	-0.1753	0.119986
<i>C1qbp</i>	chr11:70977835-70983026	19.3221	17.1974	-0.1681	0.059952
<i>Cep170b</i>	chr12:112722173-112746591	1.3391	1.0842	-0.3046	0.127525
<i>Sirt5</i>	chr13:43370709-43395202	9.2798	7.8305	-0.2450	0.055923
<i>Unc5a</i>	chr13:54949410-55006018	0.8727	1.2452	0.5128	0.233729
<i>Lpcat1</i>	chr13:73467196-73516422	7.2385	6.1718	-0.2300	0.132328
<i>Chchd2</i>	chr5:129881155-129887470	23.6613	19.4790	-0.2806	0.237875
<i>Etv6</i>	chr6:134035699-134270158	3.7216	4.3062	0.2105	0.251458
<i>Ube2m</i>	chr7:13035119-13038275	34.4010	37.6887	0.1317	0.184081
<i>Gm23094</i>	chr8:25678949-25679271	2.6938	4.2808	0.6682	0.162900
<i>Zmat1</i>	chrX:134971371-135009209	1.0230	1.2445	0.2828	0.089710
<i>Top1mt</i>	chr15:75657034-75678800	6.5126	7.5013	0.2039	0.104619
<i>Tm9sf2</i>	chr14:122107037-122159604	64.9405	57.4656	-0.1764	0.137891
<i>Rftn1</i>	chr17:49992256-50190674	26.5446	24.0916	-0.1399	0.034379
<i>Hecw2</i>	chr1:53806881-54195168	0.0496	0.0936	0.9152	0.297316
<i>Pqlc1</i>	chr18:80253291-80292725	1.6679	1.3854	-0.2678	0.065712
<i>Zbtb10</i>	chr3:9250601-9285333	0.7328	0.9060	0.3062	0.134350
<i>Mmadhc</i>	chr2:50279880-50296801	19.2629	16.8638	-0.1919	0.083751
<i>Tet1</i>	chr10:62804569-62899118	3.3327	2.9607	-0.1707	0.062175
<i>Gm12167</i>	chr11:46342286-46345020	109.5245	121.3622	0.1481	0.167761
<i>Slc36a3</i>	chr11:55124814-55151708	0.9333	0.6450	-0.5332	0.065229
<i>Lgals9</i>	chr11:78962973-78984946	22.3642	24.5949	0.1372	0.187485
<i>Snf8</i>	chr11:96034884-96047430	12.0557	10.5985	-0.1859	0.044002
<i>Cant1</i>	chr11:118406288-118419086	13.7886	12.3834	-0.1551	0.058996
<i>Clns1a</i>	chr7:97696633-97718879	44.6009	39.3868	-0.1794	0.108261
<i>Pgk1</i>	chrX:106187099-106203699	3.2716	2.5906	-0.3367	0.128999
<i>Rab9</i>	chrX:166457252-166479867	10.6673	12.3445	0.2107	0.196519
<i>Npff</i>	chr15:102523842-102524621	3.8739	5.3118	0.4554	0.078155
<i>Esco2</i>	chr14:65819037-65833994	1.4874	2.0057	0.4313	0.304253
<i>Rnf2</i>	chr1:151469405-151500823	28.9373	31.4019	0.1179	0.109142
<i>Fcer1g</i>	chr1:171229571-171234365	1.2551	2.0260	0.6908	0.252443
<i>Mtx2</i>	chr2:74825802-74878431	6.3685	5.5526	-0.1978	0.032942
<i>Rere</i>	chr4:150281645-150621966	6.1606	7.0053	0.1854	0.266662
<i>Epb4.2</i>	chr2:121017890-121037072	0.0967	0.1758	0.8622	0.158465
<i>Snora34</i>	chr15:98519715-98519853	8.8145	4.9432	-0.8344	0.171476
<i>Gm16158</i>	chr7:68338667-68353201	9.6768	11.8283	0.2896	0.256913
<i>Trim30d</i>	chr7:104470013-104507849	9.9047	12.1259	0.2919	0.352686
<i>Slamf7</i>	chr1:171634924-171649007	14.3884	18.2314	0.3415	0.328572
<i>Ntmt1</i>	chr2:30807825-30823033	5.6335	4.8640	-0.2119	0.013711
<i>Gm23833</i>	chr17:12770630-12770882	4.5432	7.0148	0.6267	0.180103
<i>Parp9</i>	chr16:35938469-35972605	51.9024	57.9263	0.1584	0.247469
<i>Ppp1r16b</i>	chr2:158665397-158766334	10.7110	9.6675	-0.1479	0.057531
<i>Gm15471</i>	chr3:103803128-103808439	5.4545	4.3462	-0.3277	0.080572
<i>Mtor</i>	chr4:148448610-148557683	10.6808	9.6063	-0.1530	0.102078
<i>Ttc7b</i>	chr12:100300770-100520822	10.4099	11.3854	0.1292	0.127042
<i>Mcm3ap</i>	chr10:76468970-76515856	19.7802	17.8846	-0.1453	0.065707
<i>Dazap1</i>	chr10:80261485-80288408	27.6420	31.1857	0.1740	0.255991
<i>Zbtb39</i>	chr10:127739537-127747335	2.0495	2.3593	0.2031	0.147861
<i>Nacad</i>	chr11:6597822-6606053	3.0796	2.4550	-0.3270	0.204153

<i>Sarm1</i>	chr11:78472329-78497754	0.2297	0.1365	-0.7509	0.155308
<i>Pcgf2</i>	chr11:97688822-97700497	0.2529	0.4025	0.6703	0.154640
<i>Z310003H01Rik</i>	chr11:120369054-120378764	4.2569	3.6634	-0.2166	0.110036
<i>Fntb</i>	chr12:76765588-76921412	10.5543	9.3031	-0.1820	0.080602
<i>Cd83</i>	chr13:43785106-43803130	2.3389	2.9358	0.3280	0.192184
<i>Kmt2e</i>	chr5:23434440-23504235	26.4614	29.9420	0.1783	0.314507
<i>Klf3</i>	chr5:64803522-64830129	82.6691	95.0650	0.2016	0.297455
<i>Wdr19</i>	chr5:65199695-65260415	3.5520	4.0357	0.1842	0.147944
<i>Hnrnpdl</i>	chr5:100033576-100039664	78.3882	84.0305	0.1003	0.124290
<i>Lamtor4</i>	chr5:138255607-138259398	26.4731	22.5321	-0.2325	0.149853
<i>Gm6288</i>	chr6:147442801-147476046	0.6071	0.9284	0.6127	0.087216
<i>Zfp128</i>	chr7:12881176-12893422	2.6402	3.0427	0.2047	0.088773
<i>Timm50</i>	chr7:28305515-28312072	9.3367	8.1003	-0.2049	0.065740
<i>Iftm10</i>	chr7:142325836-142373753	2.8589	3.5486	0.3118	0.239595
<i>Cars2</i>	chr8:11514020-11550771	14.2488	12.3319	-0.2085	0.093419
<i>Polb</i>	chr8:22628118-22653437	20.2300	22.4702	0.1515	0.081891
<i>Gins3</i>	chr8:95633558-95645059	5.6440	4.8252	-0.2261	0.026243
<i>Fbxo22</i>	chr9:55208924-55224433	24.9891	22.6311	-0.1430	0.011215
<i>Pias1</i>	chr9:62880076-62980879	21.3499	23.1908	0.1193	0.150800
<i>Rab8b</i>	chr9:66843671-66919705	36.9426	39.5966	0.1001	0.093657
<i>Rfx7</i>	chr9:72532239-72622937	9.2170	10.3805	0.1715	0.301040
<i>Lrrc1</i>	chr9:77430822-77544059	9.6206	8.1443	-0.2403	0.136755
<i>Cep70</i>	chr9:99243441-99300401	5.3769	6.1794	0.2007	0.170956
<i>Gm20662</i>	chr9:107996348-108045270	36.7013	32.4810	-0.1762	0.091385
<i>Tmppe</i>	chr9:114401094-114411200	8.3298	7.4179	-0.1673	0.094130
<i>Armxc4</i>	chrX:134686518-134696757	1.2929	1.0854	-0.2523	0.038264
<i>Spag1</i>	chr15:36179367-36235610	2.4376	2.0047	-0.2821	0.087969
<i>Dock9</i>	chr14:121542038-121797734	8.1262	9.1156	0.1658	0.270226
<i>Ccdc78</i>	chr17:25786579-25790513	4.1895	3.2759	-0.3549	0.150971
<i>Gm15598</i>	chr17:27988027-28008432	4.5677	3.3409	-0.4512	0.120666
<i>Epas1</i>	chr17:86753906-86833410	0.2968	0.1926	-0.6240	0.054907
<i>Cd274</i>	chr19:29367454-29388095	13.4642	15.1134	0.1667	0.249333
<i>Nit1</i>	chr1:171338007-171345646	13.7763	12.4120	-0.1505	0.030790
<i>Zmat2</i>	chr18:36793922-36799660	30.8177	35.1798	0.1910	0.262926
<i>Grpel2</i>	chr18:61712439-61726331	9.6141	8.5202	-0.1743	0.042200
<i>Gm9823</i>	chr2:29738334-29738665	31.3113	26.3695	-0.2478	0.019780
<i>Fahd2a</i>	chr2:127436214-127444565	7.7685	6.4599	-0.2661	0.094745
<i>Top1</i>	chr2:160645887-160722764	13.2801	14.4491	0.1217	0.155112
<i>Mex3a</i>	chr3:88532394-88541396	1.5408	1.2482	-0.3038	0.105570
<i>Mllt11</i>	chr3:95219134-95228677	17.7781	15.7260	-0.1769	0.044556
<i>Fmo5</i>	chr3:97628803-97655282	1.0454	1.2517	0.2598	0.090646
<i>Slc39a8</i>	chr3:135825278-135888572	0.5793	0.7184	0.3104	0.168050
<i>Smim8</i>	chr4:34768663-34778423	10.7185	12.8142	0.2576	0.253585
<i>Inpp5k</i>	chr11:75630987-75648871	17.9326	19.2180	0.0999	0.116109
<i>Rps17</i>	chr7:81342731-81345254	8.0540	6.5395	-0.3005	0.128663
<i>Prss53</i>	chr7:127885840-127890970	4.2186	3.4734	-0.2804	0.066965
<i>Sgol1</i>	chr17:53674785-53689333	1.5739	1.9535	0.3118	0.173826
<i>Dhx9</i>	chr1:153455757-153487660	37.0140	41.7744	0.1745	0.330063
<i>Lrrc8a</i>	chr2:30237714-30282148	19.9563	18.0537	-0.1445	0.071978
<i>Gpd2</i>	chr2:57237634-57370719	7.0642	6.1686	-0.1956	0.120964
<i>Zc3h12d</i>	chr10:7832469-7870397	21.3288	23.6095	0.1466	0.251388
<i>Pik3ip1</i>	chr11:3330400-3342971	55.1988	50.8910	-0.1172	0.020885
<i>Morc2a</i>	chr11:3649493-3690477	15.9781	14.5456	-0.1355	0.040426
<i>Rnf215</i>	chr11:4135201-4141172	11.9725	13.2261	0.1437	0.134019
<i>Ccm2</i>	chr11:6546886-6596744	56.7639	51.3723	-0.1440	0.064675
<i>Nhp2</i>	chr11:51619734-51623714	52.0073	59.6964	0.1989	0.261509
<i>Srebfl1</i>	chr11:60199088-60222581	24.5563	21.8501	-0.1685	0.152417
<i>Trpv2</i>	chr11:62574485-62600515	22.7731	20.4337	-0.1564	0.096599
<i>Prkca</i>	chr11:107933386-108343928	9.2959	10.4607	0.1703	0.303995
<i>Gm11739</i>	chr11:116466318-116474274	4.5532	3.3178	-0.4567	0.093860
<i>Oas2</i>	chr5:120730332-120749853	2.3932	4.2604	0.8320	0.185448
<i>Trbj2-5</i>	chr6:41543452-41543501	158.5016	131.0814	-0.2740	0.018004
<i>Usp5</i>	chr6:124815018-124829484	26.6195	24.3745	-0.1271	0.029667
<i>Klra6</i>	chr6:130013032-130026954	3.8172	4.8577	0.3478	0.213025
<i>Snord32a</i>	chr7:45127381-45127464	101.0251	129.6553	0.3600	0.313172
<i>Usp35</i>	chr7:97309379-97332020	1.4742	1.2118	-0.2828	0.053722
<i>Cyp2r1</i>	chr7:114550165-114562972	2.2366	1.6141	-0.4705	0.182668
<i>Zfp646</i>	chr7:127876795-127885996	40.2273	36.6529	-0.1342	0.072099
<i>Gm15542</i>	chr7:140890886-140892080	2.3553	3.0437	0.3699	0.104112
<i>Eps15l1</i>	chr8:72341000-72421474	22.4981	24.1744	0.1037	0.085443
<i>Nol3</i>	chr8:105276446-105281939	0.3674	0.2170	-0.7597	0.059321

<i>Fam65a</i>	chr8:105605228-105622194	2.3938	1.9625	-0.2866	0.119887
<i>Cdyl2</i>	chr8:116568723-116732991	5.2537	4.6730	-0.1690	0.071378
<i>Cwc15</i>	chr9:14500616-14510577	88.6768	100.2282	0.1767	0.250784
<i>Fli1</i>	chr9:32422207-32541389	77.2864	86.2699	0.1586	0.246164
<i>Slc9a9</i>	chr9:94669908-95230445	15.3442	16.9936	0.1473	0.282058
<i>Pik3r4</i>	chr9:105642994-105687655	12.8892	11.3846	-0.1791	0.122885
<i>Poc1a</i>	chr9:106281060-106349891	2.5851	2.0271	-0.3508	0.009935
<i>Acy1</i>	chr9:106432995-106438236	6.5198	7.4722	0.1967	0.011547
<i>Tmem42</i>	chr9:123021325-123023490	15.7846	13.5999	-0.2149	0.053676
<i>Nkrf</i>	chrX:36887539-36902899	6.4776	7.3522	0.1827	0.182570
<i>Smc1a</i>	chrX:152016427-152062694	56.7430	61.6020	0.1185	0.180408
<i>Lmbr1l</i>	chr15:98903920-98918231	23.1842	20.9877	-0.1436	0.069500
<i>Hnrnpa1</i>	chr15:103240431-103244955	13.2758	14.9223	0.1687	0.172179
<i>Wdfy4</i>	chr14:32959546-33185508	0.2462	0.3618	0.5553	0.285207
<i>Traj40</i>	chr14:54177920-54177981	41.5328	29.0501	-0.5157	0.119658
<i>Rps2</i>	chr17:24718115-24721929	127.0467	146.9396	0.2099	0.302324
<i>Ccdc167</i>	chr17:29689377-29717012	13.6181	12.0222	-0.1798	0.129353
<i>H2-Q2</i>	chr17:35342241-35346762	0.8552	0.5546	-0.6249	0.137948
<i>Tmem191c</i>	chr16:172762997-17283229	5.9990	5.0587	-0.2459	0.113115
<i>Serpind1</i>	chr16:17331370-17343575	0.9814	0.6703	-0.5500	0.089719
<i>Dscr3</i>	chr16:94497782-94526830	18.7390	16.6064	-0.1743	0.086505
<i>Ppp1r32</i>	chr19:10474256-10482897	0.8027	0.4935	-0.7017	0.051564
<i>Ivns1abp</i>	chr1:151344497-151364445	77.7273	69.2794	-0.1660	0.132541
<i>AW554918</i>	chr18:25168998-25467321	3.6190	4.0177	0.1508	0.120104
<i>Yipf5</i>	chr18:40204864-40219399	12.2815	13.5731	0.1443	0.116043
<i>Ldlrad4</i>	chr18:67933256-68255549	12.8538	14.3144	0.1553	0.177380
<i>Cacnb2</i>	chr2:14604305-14987908	0.0553	0.1056	0.9336	0.213898
<i>Alkbh3</i>	chr2:93980549-94010807	10.0833	11.1850	0.1496	0.170387
<i>Eif3j1</i>	chr2:122028545-122056598	3.3629	3.7508	0.1575	0.099719
<i>Eid1</i>	chr2:125673099-125675638	25.1516	28.2174	0.1659	0.198282
<i>9830144P21Rik</i>	chr2:129205957-129230579	9.9401	8.8791	-0.1629	0.058388
<i>Cenpb</i>	chr2:131177290-131180012	25.9284	29.1956	0.1712	0.251784
<i>Arfrp1</i>	chr2:181357689-181365404	18.6066	16.8222	-0.1455	0.046517
<i>Fam189b</i>	chr3:89183142-89189295	37.7402	33.5529	-0.1697	0.117999
<i>S100a4</i>	chr3:90603769-90606045	14.6224	19.5530	0.4192	0.306908
<i>Gem</i>	chr4:11704456-11714752	2.3940	3.0918	0.3690	0.228637
<i>Smc21</i>	chr4:52439242-52488260	15.0159	16.5311	0.1387	0.205339
<i>Ubxn11</i>	chr4:134102569-134127593	26.4939	29.4501	0.1526	0.245937
<i>Gm21969</i>	chr4:139603185-139662691	5.6774	4.8991	-0.2127	0.106671
<i>Havcr2</i>	chr11:46454934-46481255	0.4787	0.8782	0.8755	0.300565
<i>Ccrl2</i>	chr9:111054834-111057270	0.2304	0.4693	1.0264	0.243818
<i>Tcrg-C4</i>	chr13:19342185-19352343	4.4791	5.8360	0.3818	0.162186
<i>Lsm1</i>	chr8:25785590-25803975	14.5578	12.7330	-0.1932	0.086886
<i>Nxn</i>	chr11:76257197-76399140	5.0954	4.4020	-0.2110	0.046282
<i>AF357399</i>	chr7:28351507-28351632	5.7474	9.0322	0.6522	0.095799
<i>Otulin</i>	chr15:27605918-27630693	44.8455	48.7248	0.1197	0.190130
<i>Gpr15</i>	chr16:58717434-58718724	11.4922	9.6181	-0.2568	0.143606
<i>Cdca2</i>	chr14:67676330-67715841	1.6096	2.0037	0.3160	0.325957
<i>Polr2d</i>	chr18:31789158-31796642	19.5624	16.5415	-0.2420	0.121352
<i>Dtx2</i>	chr5:135994799-136032872	3.3369	2.8668	-0.2191	0.141035
<i>Gm16272</i>	chr6:39584091-39592784	5.3046	3.7352	-0.5060	0.016635
<i>Atg7</i>	chr6:114643096-114860614	8.4401	7.5656	-0.1578	0.044788
<i>Athl1</i>	chr7:140941390-140947664	9.0631	8.0267	-0.1752	0.029109
<i>Birc5</i>	chr11:117849250-117855743	2.2019	2.8861	0.3904	0.332184
<i>Tax1bp3</i>	chr11:73177082-73183162	0.3715	0.2163	-0.7804	0.126550
<i>Cpsf3</i>	chr12:21286296-21315056	62.7434	66.3084	0.0797	0.055273
<i>Tspan9</i>	chr6:127961395-128143594	5.0797	5.8912	0.2138	0.261650
<i>2510046G10Rik</i>	chr7:126649222-126649570	14.3656	10.9830	-0.3874	0.118794
<i>Ccdc66</i>	chr14:27482411-27508460	14.8770	16.1542	0.1188	0.064526
<i>Ube2c</i>	chr2:164769897-164778822	0.9383	1.4371	0.6150	0.290163
<i>Edem1</i>	chr6:108828640-108859356	54.3087	48.8730	-0.1521	0.107225
<i>Il18r1</i>	chr1:40465551-40500854	26.3626	30.1246	0.1924	0.357029
<i>Gm13347</i>	chr2:19677250-19678603	0.5675	0.9310	0.7142	0.169554
<i>Aldh4a1</i>	chr4:139622865-139649690	6.1434	5.3394	-0.2024	0.098613
<i>Pard6b</i>	chr2:168081003-168101203	1.0018	0.7313	-0.4542	0.118272
<i>Ghrl</i>	chr6:113716118-113719880	5.3155	3.9343	-0.4341	0.032367
<i>Traj30</i>	chr14:54189865-54189924	31.7168	18.9504	-0.7430	0.292289
<i>Ltv1</i>	chr10:13178639-13193137	35.9668	39.6688	0.1413	0.189384
<i>Ccdc28a</i>	chr10:18213675-18234998	7.8071	8.6565	0.1490	0.159789
<i>Adarb1</i>	chr10:77290725-77418270	0.0546	0.0897	0.7165	0.058241
<i>Ube2g2</i>	chr10:77622274-77645993	18.9305	20.5901	0.1212	0.124295

<i>Cpm</i>	chr10:117629499-117687352	12.5209	11.1662	-0.1652	0.116260
<i>Gm26847</i>	chr10:128230589-128232790	1.2373	1.6015	0.3722	0.073776
<i>3010026O09Rik</i>	chr11:50174443-50200115	3.0030	3.5809	0.2539	0.084129
<i>Zfp2</i>	chr11:50898711-50916165	0.3517	0.4936	0.4888	0.147045
<i>1700016P03Rik</i>	chr11:75172559-75177633	12.1745	14.0651	0.2083	0.137629
<i>NA</i>	chr11:86317265-86317487	4.9825	3.0573	-0.7046	0.043871
<i>Bzrap1</i>	chr11:87760540-87785928	0.5400	0.7607	0.4945	0.420683
<i>Armc7</i>	chr11:115475666-115490467	37.4350	40.8190	0.1249	0.192971
<i>Recql5</i>	chr11:115892594-115933477	5.5064	4.8735	-0.1762	0.091588
<i>Tmc6</i>	chr11:117765987-117782198	37.8350	33.8621	-0.1600	0.142567
<i>Endov</i>	chr11:119491346-119511437	5.2933	4.6109	-0.1991	0.122291
<i>Rptoros</i>	chr11:119820811-119834365	1.0450	1.5360	0.5556	0.150022
<i>lah1</i>	chr12:21316391-21323605	20.8425	17.8888	-0.2205	0.090325
<i>Gm22058</i>	chr12:69930903-69931213	7.5227	9.7946	0.3807	0.080756
<i>Akap5</i>	chr12:76324890-76334153	0.6101	0.7869	0.3672	0.281535
<i>Ptpn21</i>	chr12:98676740-98737405	0.7592	0.9784	0.3659	0.214363
<i>Setd3</i>	chr12:108106430-108179314	15.5818	17.0668	0.1313	0.215003
<i>Trgv2</i>	chr13:19336572-19337026	7.0764	10.4049	0.5562	0.272946
<i>NA</i>	chr13:23544051-23545055	38.6378	42.5259	0.1383	0.218496
<i>Nkd2</i>	chr13:73818533-73847631	2.1706	2.6213	0.2722	0.278845
<i>Sdha</i>	chr13:74322253-74350280	65.8374	60.7017	-0.1172	0.030511
<i>Hmgcr</i>	chr13:96648966-96670936	18.5580	16.3184	-0.1855	0.145325
<i>Fgl2</i>	chr5:21372641-21378374	1.6126	2.7095	0.7486	0.228585
<i>Gm9970</i>	chr5:31240674-31241232	4.4745	5.8055	0.3757	0.049976
<i>Fosl2</i>	chr5:32136471-32157831	3.6070	3.0670	-0.2340	0.164495
<i>Lyar</i>	chr5:38220469-38234306	15.4647	17.3299	0.1643	0.208604
<i>Klh5</i>	chr5:65107567-65168188	2.4076	2.8571	0.2470	0.272586
<i>Abcg3</i>	chr5:104935056-104982718	19.5206	17.4199	-0.1643	0.090413
<i>NA</i>	chr5:105215698-105239533	4.6278	6.6022	0.5126	0.187439
<i>Pgam5</i>	chr5:110259129-110269913	25.7911	23.0379	-0.1629	0.066917
<i>Tpcn1</i>	chr5:120534159-120588613	8.6638	7.4215	-0.2233	0.192627
<i>Chchd3</i>	chr6:32790975-33060260	35.1869	40.0861	0.1881	0.255773
<i>Gprin3</i>	chr6:59352460-59426290	16.0411	17.6574	0.1385	0.209733
<i>Mogs</i>	chr6:83115495-83118898	48.6228	44.3365	-0.1331	0.042552
<i>1700019G17Rik</i>	chr6:85899050-85904884	2.9988	2.3448	-0.3550	0.213022
<i>Rpn1</i>	chr6:88084472-88105304	45.9740	41.6512	-0.1425	0.049253
<i>Tpt1-ps3</i>	chr6:99877746-99878433	2.8453	1.6783	-0.7615	0.236015
<i>Itpr1</i>	chr6:108213117-108551109	25.1359	22.4731	-0.1615	0.166659
<i>Irak2</i>	chr6:113638466-113695009	3.0891	3.4711	0.1682	0.032805
<i>8430419L09Rik</i>	chr6:135197976-135244955	4.3865	3.8658	-0.1823	0.045290
<i>BC049715</i>	chr6:136828842-136840536	6.3535	5.2378	-0.2786	0.012826
<i>St8sia1</i>	chr6:142821544-142964452	7.0232	7.7576	0.1435	0.266158
<i>Tmem86b</i>	chr7:4628041-4630482	11.4435	9.5877	-0.2553	0.134232
<i>9330104G04Rik</i>	chr7:16871353-16874886	2.2887	1.7387	-0.3965	0.160779
<i>Pou2f2</i>	chr7:25091908-25159922	1.3589	1.7319	0.3499	0.242613
<i>NA</i>	chr7:29155679-29156918	2.3152	3.0235	0.3851	0.146944
<i>E130304I02Rik</i>	chr7:35802592-35803027	3.2945	2.1466	-0.6180	0.038625
<i>Bcat2</i>	chr7:45570152-45589710	6.0447	5.2898	-0.1925	0.061043
<i>Tmem86a</i>	chr7:47050639-47054776	0.7270	1.0570	0.5400	0.151779
<i>Tspan4</i>	chr7:141475239-141493427	3.0179	2.4434	-0.3047	0.080079
<i>Gm17491</i>	chr8:22480290-22483330	15.9928	13.9336	-0.1989	0.123779
<i>Mast3</i>	chr8:70778116-70792433	21.2774	18.9726	-0.1654	0.147672
<i>Ciapin1</i>	chr8:94819817-94838358	6.3718	5.6820	-0.1653	0.054575
<i>Gm5913</i>	chr8:97427711-97429110	0.9218	0.5273	-0.8057	0.160886
<i>Slc7a6os</i>	chr8:106200437-106210933	35.9082	32.0027	-0.1661	0.082570
<i>Aprt</i>	chr8:122574636-122576907	52.3901	58.7087	0.1643	0.198912
<i>Scn2b</i>	chr9:45117875-45130070	0.1280	0.2086	0.7044	0.047247
<i>Etfa</i>	chr9:55454507-55512243	11.9718	10.4405	-0.1974	0.052281
<i>Scaper</i>	chr9:55549882-55919605	16.5031	18.4556	0.1613	0.238632
<i>Tspan3</i>	chr9:56135884-56161070	9.9278	11.1523	0.1678	0.123181
<i>Mapk6</i>	chr9:75369061-75410005	8.5359	9.3479	0.1311	0.216515
<i>Slc17a5</i>	chr9:78536487-78588041	4.2137	3.5698	-0.2392	0.102839
<i>Cspg5</i>	chr9:110243782-110262575	0.2723	0.4143	0.6058	0.181025
<i>Armcx1</i>	chrX:134717962-134721917	0.9141	0.6545	-0.4820	0.155378
<i>Gm24447</i>	chr15:93234362-93234700	5.1413	3.2891	-0.6444	0.088406
<i>Trac</i>	chr14:54220520-54223097	616.7117	668.3274	0.1160	0.201553
<i>Gm5801</i>	chr14:56010535-56011351	0.6494	1.1333	0.8035	0.190928
<i>Ppp2r2a</i>	chr14:67014056-67072471	9.4923	10.9921	0.2116	0.335554
<i>3300005D01Rik</i>	chr17:5798656-5803240	1.1167	1.7191	0.6223	0.213506
<i>Prdm9</i>	chr17:15543078-15564354	2.1785	2.5516	0.2281	0.211923
<i>Rhbdl1</i>	chr17:25834468-25837157	5.2933	4.3635	-0.2787	0.073324

<i>Ndufa11</i>	chr17:56717761-56724248	7.6417	6.6222	-0.2066	0.055753
<i>Prepl</i>	chr17:85063476-85090267	5.8367	5.0680	-0.2037	0.087038
<i>Dnm1l</i>	chr16:16312234-16359030	34.6284	37.2993	0.1072	0.193465
<i>Eij2b5</i>	chr16:20498816-20509955	32.0909	28.8928	-0.1515	0.061031
<i>Z610015P09Rik</i>	chr16:43889799-43964314	3.7985	4.2201	0.1518	0.048644
<i>Fkbp2</i>	chr19:6977740-6980461	13.1488	16.2226	0.3031	0.266135
<i>Sgms1</i>	chr19:32122726-32389714	3.9890	4.3262	0.1171	0.069549
<i>Col17a1</i>	chr19:47646343-47692094	0.1870	0.2703	0.5320	0.036103
<i>Unc50</i>	chr1:37430169-37439124	26.0959	23.4806	-0.1524	0.006359
<i>Cd55</i>	chr1:130439026-130462744	20.6975	22.8526	0.1429	0.265866
<i>Aspm</i>	chr1:139454772-139494090	1.3886	1.9797	0.5117	0.242730
<i>Ccdc181</i>	chr1:164275584-164287847	5.6163	6.4743	0.2051	0.132566
<i>Mgst3</i>	chr1:167371965-167393841	2.2063	1.5166	-0.5408	0.159884
<i>Cdc23</i>	chr18:34630950-34651735	10.6441	9.6822	-0.1366	0.033300
<i>Cxc5</i>	chr18:35829817-35861687	12.0459	10.3921	-0.2130	0.121114
<i>Gm26672</i>	chr18:37746558-37768242	0.2699	0.3651	0.4355	0.046657
<i>Aldh7a1</i>	chr18:56509686-56572951	1.0383	0.8286	-0.3254	0.028005
<i>Dctn4</i>	chr18:60526220-60558762	23.7480	25.2281	0.0872	0.019465
<i>Abtb2</i>	chr2:103566309-103718423	27.2963	24.6322	-0.1482	0.127444
<i>Pak6</i>	chr2:118663302-118698020	0.2037	0.3071	0.5922	0.115336
<i>AV039307</i>	chr2:120850704-120866689	6.3677	5.3131	-0.2612	0.021960
<i>Duox1</i>	chr2:122315671-122347972	0.1702	0.2717	0.6750	0.232485
<i>Polr1b</i>	chr2:129100994-129126594	13.9571	12.5943	-0.1482	0.084412
<i>A730017L22Rik</i>	chr2:130873058-130906396	2.4940	2.8211	0.1778	0.147678
<i>Rbm12</i>	chr2:156091957-156111978	19.8007	17.7683	-0.1562	0.108327
<i>Bicap</i>	chr2:157556361-157571274	4.3031	4.9726	0.2086	0.189770
<i>Pdcd10</i>	chr3:75516489-75556856	17.4954	19.4934	0.1560	0.209118
<i>S100a1</i>	chr3:90511033-90514392	2.0247	2.9911	0.5630	0.169125
<i>Sec22b</i>	chr3:97901189-97923276	10.2330	11.0814	0.1149	0.084616
<i>Dram2</i>	chr3:106547692-106574845	9.7849	10.8070	0.1433	0.128134
<i>Gm27008</i>	chr3:106934381-107093894	3.9483	3.1759	-0.3141	0.096229
<i>Pde5a</i>	chr3:122729157-122859374	0.3543	0.4794	0.4362	0.188254
<i>Ccbl2</i>	chr3:142701050-142744910	0.7223	0.9960	0.4636	0.127122
<i>9530052C20Rik</i>	chr3:142882494-142894644	1.0435	0.7712	-0.4363	0.090425
<i>Odf2l</i>	chr3:145118588-145153915	3.9668	3.3132	-0.2597	0.081067
<i>Polr1e</i>	chr4:45018582-45036565	9.5719	8.4992	-0.1715	0.038572
<i>Slc25a51</i>	chr4:45395922-45408766	19.3686	17.5977	-0.1383	0.054335
<i>9530080O11Rik</i>	chr4:95959714-95967655	0.6369	0.9222	0.5342	0.079018
<i>Dhcr24</i>	chr4:106561037-106589113	5.5197	4.7656	-0.2119	0.104013
<i>Ndc1</i>	chr4:107367783-107416346	4.8680	5.4100	0.1523	0.151714
<i>Zfp362</i>	chr4:128773087-128806045	3.3116	4.0984	0.3075	0.280449
<i>Txlna</i>	chr4:129626077-129641065	21.3217	19.4593	-0.1319	0.023169
<i>Ube2j2</i>	chr4:155943830-155959604	7.9240	7.0630	-0.1660	0.043214
<i>Sdf4</i>	chr4:155992871-156013610	45.5602	48.7036	0.0963	0.124244
<i>Sgip1</i>	chr4:102741296-102973628	0.0672	0.1080	0.6836	0.047972
<i>H60b</i>	chr10:22158585-22288849	4.8789	6.7906	0.4770	0.387889
<i>Gm22716</i>	chr5:110677123-110677230	9.8835	5.4068	-0.8702	0.154082
<i>Mustn1</i>	chr14:30879256-30881608	1.3846	1.9316	0.4803	0.099409
<i>Arf2</i>	chr11:103966738-103985337	6.9444	7.6899	0.1471	0.072856
<i>Mapt</i>	chr11:104231389-104332090	0.2351	0.3325	0.5005	0.177767
<i>Sap30bp</i>	chr11:115933281-115966725	16.9279	18.2051	0.1049	0.121039
<i>Cdk13</i>	chr13:17715961-17805097	44.7676	47.5187	0.0860	0.138212
<i>Gm15911</i>	chr13:55602181-55604783	10.4203	8.6813	-0.2634	0.039024
<i>Fam172a</i>	chr13:77708689-78166238	20.4289	18.3945	-0.1513	0.062330
<i>Rps23</i>	chr13:90923130-90924942	6.8097	5.4275	-0.3273	0.029508
<i>Elovl7</i>	chr13:108214403-108287105	3.8861	3.2876	-0.2413	0.200202
<i>Gnpda2</i>	chr5:69573107-69592337	8.6576	9.4200	0.1218	0.138603
<i>Gm9754</i>	chr5:118065359-118069710	1.6165	1.2601	-0.3594	0.117745
<i>Chchd4</i>	chr6:91464275-91473423	9.2499	7.8238	-0.2416	0.046760
<i>Isoc2b</i>	chr7:4844958-4866193	5.2754	6.3680	0.2716	0.200029
<i>Lrrk1</i>	chr7:66226911-66388350	1.0244	1.7999	0.8131	0.160790
<i>Trim34a</i>	chr7:104244456-104340693	21.3382	23.9828	0.1686	0.311604
<i>1700029J07Rik</i>	chr8:45953605-45975252	1.9914	2.3615	0.2459	0.030236
<i>Nudt7</i>	chr8:114133556-114152312	5.0660	4.3441	-0.2218	0.072605
<i>Slc35a2</i>	chrX:7884040-7894492	6.7371	5.9136	-0.1881	0.041955
<i>Nup155</i>	chr15:8109312-8159857	14.6632	13.3325	-0.1373	0.047548
<i>Epsti1</i>	chr14:77904238-78002656	259.9543	293.6504	0.1758	0.304352
<i>9330136K24Rik</i>	chr17:21528193-21535878	1.0913	0.7526	-0.5361	0.178208
<i>Gtf2f1</i>	chr17:57003404-57011288	52.7833	58.2431	0.1420	0.250046
<i>B230307C23Rik</i>	chr16:97997322-98010000	12.3300	10.0659	-0.2927	0.206208
<i>Rusc1</i>	chr3:89083980-89093363	11.6384	12.8641	0.1445	0.221707

<i>Tstd2</i>	chr4:46114745-46138694	11.2577	10.1180	-0.1540	0.056547
<i>Foxd2</i>	chr4:114906279-114908898	0.5938	0.3921	-0.5989	0.086463
<i>Gm26461</i>	chr9:88553235-88553534	4.1505	2.3990	-0.7909	0.176198
<i>Nrros</i>	chr16:32142784-32165594	34.8841	31.0315	-0.1688	0.151701
<i>Rap1a</i>	chr3:105727266-105801330	31.0457	33.4803	0.1089	0.151676
<i>1700047K16Rik</i>	chr11:58322987-58324439	8.8180	7.0253	-0.3279	0.181159
<i>Tanc2</i>	chr11:105589985-105929304	0.0602	0.0893	0.5700	0.073991
<i>Gm20900</i>	chr13:120304193-120304655	4.3472	2.9323	-0.5681	0.117730
<i>Rfc2</i>	chr5:134582689-134598328	32.6979	29.0352	-0.1714	0.090716
<i>Mob1a</i>	chr6:83326015-83343776	102.9495	92.1427	-0.1600	0.131004
<i>Klhdc4</i>	chr8:121796312-121829569	7.2363	6.4627	-0.1631	0.002932
<i>Tnf</i>	chr17:35199380-35202007	13.1480	15.0140	0.1915	0.237626
<i>Gpr155</i>	chr2:73341505-73386572	2.1063	2.4851	0.2386	0.265568
<i>Gm10964</i>	chr3:103739365-103746376	11.4869	17.1656	0.5795	0.235957
<i>Gm26542</i>	chr11:50237008-50288839	2.6795	2.0131	-0.4125	0.089658
<i>Galnt10</i>	chr11:57645441-57787514	23.7470	21.7500	-0.1267	0.048255
<i>Ssh1</i>	chr5:113937093-113993894	2.3312	2.8202	0.2748	0.346163
<i>Fbxo28</i>	chr1:182313101-182341606	26.0663	23.8709	-0.1269	0.021013
<i>Zfp661</i>	chr2:127574661-127587094	2.6141	2.9788	0.1884	0.145840
<i>Hmha1</i>	chr10:80016652-80031472	358.5009	328.5451	-0.1259	0.068566
<i>Ahsa2</i>	chr11:23487881-23498030	20.5385	18.0580	-0.1857	0.170049
<i>A530017D24Rik</i>	chr11:61864567-61868058	6.0409	6.8941	0.1906	0.221979
<i>Zfp652</i>	chr11:95712672-95835115	16.2934	14.9065	-0.1284	0.072490
<i>Fbxo33</i>	chr12:59200654-59219725	17.2579	15.2946	-0.1742	0.143959
<i>Mgat2</i>	chr12:69184157-69186772	48.8107	52.2568	0.0984	0.094668
<i>Jdp2</i>	chr12:85599104-85639878	0.7863	1.1809	0.5868	0.297041
<i>Batf</i>	chr12:85686668-85709087	34.1978	38.0535	0.1541	0.201702
<i>Rslcan18</i>	chr13:67096612-67114028	1.2902	0.9862	-0.3877	0.073386
<i>Zfp458</i>	chr13:67254917-67269068	1.5582	1.8948	0.2822	0.186948
<i>Sae1</i>	chr7:16327052-16387797	35.9147	32.0221	-0.1655	0.094670
<i>Plekkg2</i>	chr7:28359603-28372599	13.5621	12.2008	-0.1526	0.119466
<i>Gm6939</i>	chr7:126687458-126690034	2.2169	1.5480	-0.5181	0.043573
<i>Rnf40</i>	chr7:127588697-127603605	40.8326	37.5956	-0.1192	0.029577
<i>Gm22579</i>	chr9:15316675-15316808	54.5214	43.7821	-0.3165	0.116859
<i>Nptn</i>	chr9:58582239-58657955	20.8626	22.4978	0.1089	0.221814
<i>Nop9</i>	chr14:55745692-55755500	13.3475	11.9925	-0.1544	0.051303
<i>Lrch1</i>	chr14:74754673-74947877	17.3065	18.7541	0.1159	0.199507
<i>Dirc2</i>	chr16:35694061-35769356	10.0023	9.0144	-0.1500	0.042298
<i>Gsk3b</i>	chr16:38089000-38246084	9.1627	9.9681	0.1216	0.232961
<i>Rbm20</i>	chr19:53677305-53867080	0.1647	0.2439	0.5671	0.180140
<i>Tagln2</i>	chr1:172500046-172507380	79.2008	87.9881	0.1518	0.267800
<i>1110008P14Rik</i>	chr2:32377096-32381938	7.9135	8.7936	0.1521	0.121404
<i>Prr5l</i>	chr2:101714284-101883027	0.1891	0.3152	0.7375	0.294423
<i>Gm14341</i>	chr2:180954463-180966812	1.5209	2.2598	0.5712	0.093109
<i>Fabp5</i>	chr3:10012547-10016607	0.7285	0.9296	0.3517	0.030984
<i>Car14</i>	chr3:95897767-95904691	1.2968	1.6424	0.3408	0.116284
<i>Padi2</i>	chr4:140906343-140952586	17.3968	15.6662	-0.1512	0.074454
<i>Thnsl2</i>	chr6:71128165-71144346	0.6869	0.4604	-0.5771	0.028426
<i>Snord14c</i>	chr9:40803582-40803668	51.4607	32.5185	-0.6622	0.342948
<i>Ccr7</i>	chr11:99144195-99155077	205.2432	186.2700	-0.1399	0.121091
<i>Gm11696</i>	chr11:109354777-109363654	7.1259	6.2054	-0.1996	0.065336
<i>Socs3</i>	chr11:117966078-117970047	62.2264	68.6571	0.1419	0.300891
<i>Lrrn3</i>	chr12:41451672-41485751	1.0927	1.4864	0.4438	0.261767
<i>2410131K14Rik</i>	chr5:118245226-118266093	4.8422	4.3278	-0.1620	0.002629
<i>Cox19</i>	chr5:139336188-139345233	3.1992	2.6281	-0.2837	0.164499
<i>Ccdc77</i>	chr6:120324322-120364374	4.3229	3.7593	-0.2015	0.099008
<i>Flt3l</i>	chr7:45131187-45136432	23.5389	25.0634	0.0905	0.088217
<i>Trav16n</i>	chr14:53351089-53351621	11.0198	13.6030	0.3038	0.069275
<i>Runx2</i>	chr17:44495986-44814797	1.0278	1.6521	0.6847	0.265000
<i>Dak</i>	chr19:10592199-10604258	3.9171	3.2695	-0.2607	0.063393
<i>Dnajc5</i>	chr2:181520484-181555133	37.1968	34.1738	-0.1223	0.036906
<i>Stxbp3a</i>	chr3:108793175-108840526	13.0330	14.0205	0.1054	0.125169
<i>Ipo13</i>	chr4:117894485-117914999	3.9507	3.3690	-0.2298	0.148993
<i>Elmsan1</i>	chr12:84149175-84218881	17.2851	15.3675	-0.1697	0.180838
<i>Dnajc25</i>	chr4:58995061-59025573	1.3012	1.5454	0.2482	0.092659
<i>Mir7-1</i>	chr13:58392778-58392886	15.0773	9.8166	-0.6191	0.124959
<i>Slc27a6</i>	chr18:58556256-58612773	0.9285	1.2111	0.3834	0.118329
<i>Il2ra</i>	chr2:11642791-11693191	0.2210	0.3123	0.4987	0.036538
<i>Tsnax</i>	chr8:125012996-125034192	33.7723	29.6287	-0.1888	0.148334
<i>Snora69</i>	chrX:37082911-37083042	8.3322	4.5790	-0.8637	0.192993
<i>Snora61</i>	chr4:132310239-132310369	57.6570	44.7045	-0.3671	0.191250

<i>Dus1l</i>	chr11:120789200-120796403	18.5759	16.8130	-0.1438	0.050664
<i>Tmem177</i>	chr1:119907889-119913208	3.5626	4.0475	0.1841	0.130917
<i>Urgcp</i>	chr11:5713416-5762376	8.6595	7.7241	-0.1649	0.101288
<i>BC065397</i>	chrX:136741823-136803364	3.7571	4.2197	0.1675	0.043176
<i>Cox14</i>	chr15:99725617-99728136	28.1396	22.4889	-0.3234	0.227447
<i>Rbm14</i>	chr19:4800568-4811634	17.1821	15.2481	-0.1723	0.142751
<i>Ddx50</i>	chr10:62616022-62651218	34.8664	38.1542	0.1300	0.199186
<i>Mlh1</i>	chr9:111228227-111271608	13.3568	14.5243	0.1209	0.188357
<i>Atp6v1b2</i>	chr8:69088645-69113711	12.3835	11.0214	-0.1681	0.118532
<i>Klh15</i>	chrX:94234598-94277724	3.0873	2.7640	-0.1596	0.008565
<i>Pfkm</i>	chr15:98092588-98132447	4.9455	4.2797	-0.2086	0.046363
<i>Cd48</i>	chr1:171682008-171705258	200.5771	177.4591	-0.1767	0.185638
<i>Grin3b</i>	chr10:79970714-79977190	1.1932	0.9290	-0.3611	0.050811
<i>Tcp11l2</i>	chr10:84576625-84614359	40.6579	36.9389	-0.1384	0.085786
<i>Fam228b</i>	chr12:4746215-4769267	0.6640	0.4688	-0.5023	0.046426
<i>Agk</i>	chr6:40325477-40396762	6.2822	5.4158	-0.2141	0.042178
<i>Zfp850</i>	chr7:27988711-28008416	16.1035	13.9580	-0.2063	0.165236
<i>E530011L2Rik</i>	chr9:121757206-121759788	1.1891	0.8759	-0.4411	0.012420
<i>Fcrl1</i>	chr3:87376386-87392133	0.2695	0.4906	0.8643	0.286042
<i>Rfesd</i>	chr13:76001534-76018712	7.0295	8.0399	0.1938	0.258400
<i>Crcp</i>	chr5:130029289-130060789	18.8196	21.0787	0.1636	0.218598
<i>2810417H13Rik</i>	chr9:65890236-65903266	2.9127	3.6799	0.3373	0.362986
<i>Cdo1</i>	chr18:46713204-46728342	2.0802	1.5720	-0.4041	0.074502
<i>Rfx5</i>	chr3:94954074-94961561	9.3425	10.0899	0.1110	0.168866
<i>Sumf2</i>	chr5:129846989-129864050	6.4499	5.4911	-0.2322	0.113075
<i>Nphp3</i>	chr9:104002543-104043730	0.2517	0.3650	0.5360	0.303200
<i>5730405O15Rik</i>	chrX:13042014-13045297	4.1135	3.3529	-0.2949	0.121722
<i>Pbk</i>	chr14:65805836-65817822	0.9879	1.4662	0.5696	0.272225
<i>Lgl2</i>	chr11:115824048-115855780	7.8068	6.8188	-0.1952	0.176851
<i>Epb4.1l2</i>	chr10:25359797-25523519	15.3263	16.5961	0.1148	0.160946
<i>Mip</i>	chr10:128225837-128231812	0.3933	0.6328	0.6860	0.158116
<i>Brd9</i>	chr13:73937837-73960894	38.4356	41.2781	0.1029	0.154383
<i>Phf14</i>	chr6:11907808-12081197	24.1476	25.9269	0.1026	0.135893
<i>Cmtr2</i>	chr8:110217959-110224489	7.8465	6.7374	-0.2199	0.139584
<i>Tagln</i>	chr9:45929627-45936058	3.9194	4.8069	0.2945	0.241599
<i>Scn11a</i>	chr9:119753762-119825456	0.4645	0.3365	-0.4648	0.109724
<i>Atg101</i>	chr15:101284300-101290934	18.0182	15.4376	-0.2230	0.121512
<i>Gm26447</i>	chr16:23111300-23111429	209.6404	133.0843	-0.6556	0.208073
<i>2210411M09Rik</i>	chr1:180952063-180958149	7.4661	5.9690	-0.3229	0.037477
<i>Mocos</i>	chr18:24653690-24701556	0.5856	0.8087	0.4657	0.163028
<i>Cd44</i>	chr2:102811140-102901665	8.7136	11.4846	0.3984	0.216257
<i>Sec24b</i>	chr3:129982758-130061553	8.5770	10.0303	0.2258	0.383649
<i>Ccdc86</i>	chr19:10941480-10949266	5.3048	4.5493	-0.2216	0.120910
<i>Col10a1</i>	chr10:34389980-34397085	1.9359	2.5428	0.3934	0.369190
<i>Tuba3a</i>	chr6:125278273-125286042	1.1265	1.5696	0.4785	0.160344
<i>Eef1d</i>	chr15:75894795-75909556	35.0656	40.3803	0.2036	0.317047
<i>Klc3</i>	chr7:19394436-19404104	5.5939	4.6937	-0.2531	0.166139
<i>Mpc2</i>	chr1:165461036-165481214	7.3057	6.2916	-0.2156	0.144772
<i>Clock</i>	chr5:76212176-76304548	10.9667	11.9979	0.1297	0.260715
<i>Rimbp3</i>	chr16:17208134-17213971	0.1849	0.2704	0.5481	0.119269
<i>Ltn1</i>	chr16:87376650-87432606	20.8009	18.4528	-0.1728	0.174722
<i>2010012O05Rik</i>	chr19:46689905-46703382	2.0977	2.5377	0.2747	0.071332
<i>Gm26869</i>	chr2:178023807-178028736	0.3592	0.5163	0.5236	0.207203
<i>Ttc21b</i>	chr2:66184326-66256617	3.3627	2.9854	-0.1717	0.054664
<i>Tsyp13</i>	chr2:153222379-153225441	9.8382	8.7676	-0.1662	0.027795
<i>Syne3</i>	chr12:104929948-105009809	4.2660	3.7346	-0.1919	0.083368
<i>Cfp</i>	chrX:20925453-20931555	2.4178	1.8755	-0.3664	0.098262
<i>Mrpl32</i>	chr13:14610300-14613037	41.9219	47.6313	0.1842	0.258796
<i>Qk</i>	chr17:10206470-10319361	7.9063	8.6142	0.1237	0.172405
<i>Smarca5-ps</i>	chr4:145464203-145467420	0.3780	0.2326	-0.7006	0.103411
<i>1700020I14Rik</i>	chr2:119594296-119607502	38.4006	34.8076	-0.1417	0.108253
<i>Thg1l</i>	chr11:45946842-45955494	7.2137	8.0424	0.1569	0.148015
<i>Tex14</i>	chr11:87405064-87555823	0.3263	0.4455	0.4491	0.125890
<i>Clasp2</i>	chr9:113812585-113919697	18.9296	16.7774	-0.1741	0.169019
<i>Rcbtb1</i>	chr14:59201208-59237265	27.3411	24.8608	-0.1372	0.085974
<i>Gm20460</i>	chr17:34614483-34627349	5.7831	4.8274	-0.2606	0.078459
<i>Gm23973</i>	chr7:103271549-103271870	18.4377	14.4838	-0.3482	0.114849
<i>Map2k3</i>	chr11:60932032-60952811	4.5157	3.7716	-0.2598	0.177021
<i>Scarna13</i>	chr12:105031074-105031349	916.9365	1002.7551	0.1291	0.275744
<i>9130221H12Rik</i>	chr7:252228686-25230257	34.3983	37.8850	0.1393	0.238168
<i>Heatr3</i>	chr8:88137854-88172027	14.9667	13.2894	-0.1715	0.135656

<i>Il2rg</i>	chrX:101264377-101268255	180.1720	191.1527	0.0854	0.197086
<i>Nxt2</i>	chrX:142226769-142239692	2.0754	2.4576	0.2439	0.150820
<i>Gm26590</i>	chr14:52197501-52213852	20.0424	17.6397	-0.1842	0.093758
<i>Gm9574</i>	chr17:36137187-36139105	2.4420	1.7139	-0.5108	0.124754
<i>Cpa3</i>	chr3:20215616-20242181	1.7410	1.2722	-0.4526	0.044834
<i>Yars</i>	chr4:129189759-129219607	8.9274	8.1286	-0.1352	0.004023
<i>Ptp4a2</i>	chr4:129811218-129850003	85.2301	93.0774	0.1271	0.241282
<i>Zbtb48</i>	chr4:152019773-152027671	7.2115	6.2348	-0.2100	0.118947
<i>Pusl1</i>	chr4:155887878-155891781	19.9408	17.7599	-0.1671	0.117371
<i>Hace1</i>	chr10:45577828-45712345	3.7269	4.0688	0.1266	0.152966
<i>Gm14798</i>	chrX:94028853-94099304	12.1467	10.3828	-0.2264	0.091463
<i>Gm20522</i>	chr17:35122737-35126440	4.6386	5.7174	0.3016	0.085425
<i>Cox7a2l</i>	chr17:83501918-83514333	168.1915	215.7347	0.3592	0.184166
<i>Sell</i>	chr1:164062075-164080785	728.5112	767.5929	0.0754	0.164100
<i>Emc4</i>	chr2:112363010-112368027	16.6341	14.3675	-0.2113	0.104503
<i>Prex1</i>	chr2:166566341-166713832	40.3680	35.1547	-0.1995	0.251178
<i>Zkscan5</i>	chr5:145204561-145221750	4.9771	5.6622	0.1861	0.264530
<i>Ndufb3</i>	chr1:58586383-58595964	32.1041	37.1951	0.2124	0.278669
<i>Siah2</i>	chr3:58674937-58692400	4.5822	3.9151	-0.2270	0.094659
<i>Gm26397</i>	chr8:126944846-126944980	128.7247	189.5769	0.5585	0.230271
<i>Ngfrap1</i>	chrX:136270252-136271978	13.5308	16.2131	0.2609	0.284394
<i>Dclre1a</i>	chr19:56529160-56548222	1.1284	1.2994	0.2036	0.024442
<i>9930021J03Rik</i>	chr19:29714401-29806009	8.2824	9.1256	0.1399	0.267520
<i>Mir1949</i>	chr18:35554491-35554632	22.1610	14.6463	-0.5975	0.243844
<i>Ssb</i>	chr2:69861561-69871846	136.1685	149.5767	0.1355	0.273163
<i>Nudt16</i>	chr9:105129337-105131805	22.3712	19.6928	-0.1840	0.139456
<i>Slc26a6</i>	chr9:108854036-108912558	4.2305	3.4698	-0.2860	0.202510
<i>Dusp2</i>	chr2:127336158-127338376	54.2386	47.1878	-0.2009	0.180542
<i>Ect2l</i>	chr10:18129021-18210890	0.4726	0.3072	-0.6215	0.059527
<i>Cdk19</i>	chr10:40349307-40483818	19.0025	20.2881	0.0944	0.154848
<i>Lrrc75a</i>	chr11:62604883-62648523	4.0417	4.6511	0.2026	0.123071
<i>Taf15</i>	chr11:83473085-83506743	11.4550	12.5006	0.1260	0.168075
<i>Galr2</i>	chr11:116280938-116283938	0.4446	0.2737	-0.6999	0.067606
<i>Ctsl</i>	chr13:64363213-64370306	6.2155	5.2845	-0.2341	0.078507
<i>Phkg1</i>	chr5:129863420-129898549	0.4258	0.2893	-0.5575	0.000186
<i>2610001J05Rik</i>	chr6:13867734-13871518	5.3811	4.5418	-0.2447	0.142236
<i>Trbv12-1</i>	chr6:41113566-41114067	88.4241	74.7638	-0.2421	0.212301
<i>Suclg2</i>	chr6:95474133-95718837	13.2019	14.4898	0.1343	0.133675
<i>Casc1</i>	chr6:145174833-145210970	1.7675	1.4962	-0.2404	0.076555
<i>4632433K11Rik</i>	chr7:5034117-5035246	3.8141	4.8180	0.3371	0.246815
<i>Strn4</i>	chr7:16815888-16840931	15.1482	13.7246	-0.1424	0.111965
<i>Akt2</i>	chr7:27591551-27640826	9.1144	9.8329	0.1095	0.194062
<i>Gm26762</i>	chr7:34224754-34230236	8.6506	7.8077	-0.1479	0.033203
<i>Gm15880</i>	chr7:80636016-80644384	0.7073	0.9786	0.4684	0.298885
<i>Rplp2</i>	chr7:141447369-141451585	151.0640	117.5820	-0.3615	0.180970
<i>Pet100</i>	chr8:3621550-3624231	25.2882	29.6248	0.2283	0.313372
<i>Neto2</i>	chr8:85636587-85690973	1.1457	1.3416	0.2277	0.086266
<i>Fuk</i>	chr8:110882462-110902459	3.7511	3.2757	-0.1955	0.008472
<i>Tyk2</i>	chr9:21104068-21127346	24.0894	21.8664	-0.1397	0.088836
<i>Rpl4</i>	chr9:64173386-64178562	1693.1453	1918.6426	0.1804	0.309145
<i>Tmed3</i>	chr9:89699202-89705043	18.0242	20.0181	0.1514	0.171391
<i>Chst2</i>	chr9:95400928-95407270	0.4449	0.6337	0.5104	0.309547
<i>Gm20661</i>	chr9:107983057-107995007	4.4608	3.5227	-0.3406	0.230633
<i>Gm8806</i>	chrX:80533744-80535151	1.2872	1.7821	0.4693	0.187833
<i>Gm26617</i>	chrX:94793102-94798237	1.7127	2.0315	0.2463	0.227832
<i>Zfr</i>	chr15:12117830-12185683	30.7612	32.8952	0.0968	0.140206
<i>Matn2</i>	chr15:34306679-34436242	1.2569	0.9972	-0.3338	0.045237
<i>Slurp1</i>	chr15:74726643-74728026	3.3328	4.5832	0.4596	0.156641
<i>Ints9</i>	chr14:64950044-65039835	8.0477	9.0137	0.1635	0.226567
<i>Gm16278</i>	chr17:25919088-25935745	3.1522	2.5855	-0.2859	0.056718
<i>Ppp1r10</i>	chr17:35916433-35932281	20.7625	22.1561	0.0937	0.132459
<i>Parl</i>	chr16:20279819-20302387	9.6887	8.6563	-0.1625	0.051106
<i>Cbr1</i>	chr16:93607836-93610505	21.4444	18.1877	-0.2376	0.187035
<i>Pygm</i>	chr19:6384398-6398459	1.8946	2.2558	0.2517	0.124219
<i>Gnaq</i>	chr19:16132830-16387463	0.4971	0.6449	0.3756	0.253552
<i>Gm340</i>	chr19:41582369-41586536	11.3402	12.7333	0.1672	0.325429
<i>Mir26b</i>	chr1:74394309-74394394	21.5405	28.5437	0.4061	0.064971
<i>Ctse</i>	chr1:131638305-131675503	6.2572	7.1540	0.1932	0.302106
<i>Nr1i3</i>	chr1:171213969-171220701	6.6374	5.8396	-0.1848	0.095004
<i>Cobll1</i>	chr2:65088338-65239403	0.6708	0.8966	0.4187	0.299980
<i>Chmp4b</i>	chr2:154651704-154694785	88.4841	97.4290	0.1389	0.278978

<i>Sla2</i>	chr2:156872456-156887192	55.1691	50.3781	-0.1311	0.047453
<i>Rps3a1</i>	chr3:86137939-86142702	140.0333	116.7025	-0.2629	0.307929
<i>Slc16a4</i>	chr3:107291229-107312115	2.4634	1.9957	-0.3038	0.191613
<i>Sh3bgrl3</i>	chr4:134127405-134128789	235.6206	271.5924	0.2050	0.337170
<i>Ddost</i>	chr4:138304729-138312628	56.1654	60.2609	0.1015	0.212323
<i>Znf41-ps</i>	chr4:145825236-145829942	2.1908	2.6231	0.2598	0.158134
<i>Gm26983</i>	chr1:7136198-7136586	1.7875	2.8446	0.6703	0.200794
<i>Gk5</i>	chr9:96119361-96184627	1.9282	1.6368	-0.2364	0.107557
<i>Slc38a2</i>	chr15:96687393-96699698	55.5772	49.9269	-0.1547	0.149375
<i>Pcnx13</i>	chr19:5664634-5688908	12.6236	10.9434	-0.2061	0.242327
<i>R3hdm1</i>	chr1:128103305-128237735	11.1826	12.3857	0.1474	0.303979
<i>Polr2a</i>	chr11:69733996-69758637	11.8014	13.5365	0.1979	0.407136
<i>Txndc17</i>	chr11:72207546-72210015	32.1066	36.0071	0.1654	0.264877
<i>Ict1</i>	chr11:115403751-115412674	19.0608	21.1849	0.1524	0.267345
<i>Tdrp</i>	chr8:13952008-13975032	47.2871	42.2854	-0.1613	0.141295
<i>H2-Oa</i>	chr17:34092339-34095234	18.9757	16.3337	-0.2163	0.169098
<i>Lrrfip1</i>	chr1:90998726-91128944	67.9591	72.0528	0.0844	0.141265
<i>Srfbp1</i>	chr18:52465692-52490738	28.8016	31.6989	0.1383	0.191146
<i>Gm20544</i>	chr18:75365331-75367088	2.2145	3.1464	0.5067	0.241994
<i>Ralgps1</i>	chr2:33133420-33371486	1.7728	1.5083	-0.2331	0.136818
<i>Gm23201</i>	chr2:167064997-167065086	42.1637	53.6022	0.3463	0.226861
<i>Tcea2</i>	chr2:181680309-181688071	12.7440	13.8779	0.1230	0.180813
<i>Bcl9</i>	chr3:97203661-97228846	0.8370	0.9715	0.2149	0.056822
<i>Gabbr2</i>	chr4:33062998-33095865	3.9056	4.5261	0.2127	0.168732
<i>Snora44</i>	chr4:132309940-132310069	42.3075	51.8242	0.2927	0.214438
<i>Psme3</i>	chr11:101316212-101323537	35.7212	38.4397	0.1058	0.193383
<i>Gm10390</i>	chr5:120121102-120139263	3.0831	3.3999	0.1411	0.157405
<i>Gcdh</i>	chr8:84886392-84893921	12.1746	10.5957	-0.2004	0.140367
<i>Ssr4</i>	chrX:73787027-73790830	23.9101	25.8968	0.1152	0.199884
<i>Eml3</i>	chr19:8929693-8941563	42.4636	38.3920	-0.1454	0.139794
<i>Ccdc17</i>	chr4:116596653-116600266	3.6280	4.1988	0.2108	0.189425
<i>Gm13251</i>	chr4:146449022-146470292	1.0154	1.3229	0.3816	0.331904
<i>Gm20648</i>	chr9:80073428-80073756	3.4643	5.0827	0.5530	0.143705
<i>Adk</i>	chr14:21052573-21448568	15.8443	17.5343	0.1462	0.198454
<i>Senp5</i>	chr16:31962505-32003287	9.9054	8.7942	-0.1717	0.105523
<i>Pdcl</i>	chr2:37350073-37359332	14.6796	15.8728	0.1128	0.122362
<i>Txnip</i>	chr3:96557956-96561883	291.2447	312.4151	0.1012	0.233308
<i>Lin54</i>	chr5:100441917-100500639	7.1535	7.9456	0.1515	0.239644
<i>Gm15446</i>	chr5:109923399-109943936	5.7637	5.0157	-0.2005	0.101232
<i>Nkiras1</i>	chr14:18271135-18283942	5.9913	5.2657	-0.1863	0.118243
<i>S100a6</i>	chr3:90612893-90614414	30.8484	36.2079	0.2311	0.355014
<i>Myeov2</i>	chr1:92637144-92641985	18.8881	15.6906	-0.2676	0.253876
<i>Alpk1</i>	chr3:127670398-127780527	0.1708	0.1011	-0.7560	0.214501
<i>Samd3</i>	chr10:26229706-26272172	9.8222	13.3292	0.4405	0.202342
<i>Abhd11</i>	chr5:135009151-135012175	16.7197	17.9914	0.1058	0.066443
<i>Tbx21</i>	chr11:97098070-97115331	12.5662	15.2305	0.2774	0.351597
<i>Mmp24</i>	chr2:155775341-155818366	2.6691	3.0453	0.1902	0.158131
<i>Abcg2</i>	chr6:58584522-58692869	1.5535	1.9004	0.2908	0.248131
<i>Myc</i>	chr15:61985390-61990374	29.8654	34.1389	0.1929	0.327612
<i>Nit2</i>	chr16:57156670-57167332	16.9491	14.7813	-0.1974	0.096167
<i>Asah2</i>	chr19:31984653-32061469	1.0696	1.2780	0.2569	0.118764
<i>Zrsr1</i>	chr11:22972004-22976496	10.1937	11.3492	0.1549	0.264258
<i>Mgmt2</i>	chr11:62648663-62666354	3.7762	3.2727	-0.2065	0.084093
<i>Mettl23</i>	chr11:116843277-116854263	47.2568	49.9322	0.0794	0.086035
<i>Gzmk</i>	chr13:113171607-113225908	2.9358	7.1455	1.2833	0.182559
<i>Med21</i>	chr6:146642546-146650602	12.2588	13.6608	0.1562	0.185192
<i>Gm17077</i>	chr7:30955824-30958004	16.1630	12.5894	-0.3605	0.127938
<i>NA</i>	chr7:104355397-104358646	0.3596	0.5646	0.6509	0.256705
<i>Rps13</i>	chr7:116331506-116334190	9.0557	7.0987	-0.3513	0.157842
<i>Fbxl12</i>	chr9:20618117-20644767	9.2955	10.0255	0.1091	0.124234
<i>Efnb1</i>	chrX:99136129-99148991	0.2665	0.4034	0.5982	0.149333
<i>Tmtc4</i>	chr14:122918970-122984035	2.9836	3.3032	0.1468	0.157211
<i>Ndufv2</i>	chr17:66078794-66101559	34.4999	38.3637	0.1531	0.267784
<i>Gm15537</i>	chr16:3927788-3929357	5.9302	4.2669	-0.4749	0.145854
<i>Gm15530</i>	chr16:38685314-38685869	1.2495	2.0203	0.6932	0.112357
<i>Gm14097</i>	chr2:132694431-132698523	2.4387	1.5622	-0.6426	0.044260
<i>Bcl10</i>	chr3:145924377-145934283	30.9539	27.8933	-0.1502	0.055658
<i>Ppp1r3f</i>	chrX:7557295-7605381	6.3240	5.3837	-0.2322	0.225053
<i>Rgcc</i>	chr14:79288755-79301645	52.6306	43.0041	-0.2914	0.270656
<i>Mrps35</i>	chr6:147042763-147070903	6.7020	7.2942	0.1221	0.187547
<i>Rpl31-ps8</i>	chr15:90764245-90764679	36.8902	29.6653	-0.3145	0.263090

<i>Tmem62</i>	chr2:120977016-121007852	8.5782	7.6467	-0.1658	0.036953
<i>Orm2</i>	chr4:63362448-63365878	8.6050	6.9473	-0.3087	0.126869
<i>Psip1</i>	chr4:83455679-83486459	55.2160	60.0469	0.1210	0.242771
<i>Nsun5</i>	chr5:135369952-135376805	10.1556	9.0127	-0.1722	0.074006
<i>Ppp4c</i>	chr7:126785906-126792471	103.7335	93.3233	-0.1526	0.108892
<i>Hsd12</i>	chr4:59581562-59618689	19.2059	20.5082	0.0947	0.046592
<i>Pknox1</i>	chr17:31564748-31607680	18.8937	17.0100	-0.1515	0.106330
<i>Ncl</i>	chr1:86344718-86359455	34.1289	37.5223	0.1368	0.289506
<i>Slc25a16</i>	chr10:62920632-62946498	6.1108	5.3583	-0.1896	0.107854
<i>Gm22771</i>	chr11:74906108-74906199	14.0462	8.6844	-0.6937	0.178336
<i>Hspe1-ps3</i>	chr5:25391607-25391884	2.9245	4.5732	0.6450	0.259885
<i>Sub1</i>	chr15:11981338-11996983	47.5157	53.9137	0.1823	0.355028
<i>1700021F05Rik</i>	chr10:43525120-43540994	6.5520	8.0397	0.2952	0.308329
<i>Ubap2l</i>	chr3:89999588-90052475	34.2995	37.0695	0.1120	0.238688
<i>Gm26581</i>	chr10:22212652-22217241	0.6250	0.8130	0.3795	0.180966
<i>Gm2a</i>	chr11:55098114-55113029	28.9304	31.4510	0.1205	0.264108
<i>Gphn</i>	chr12:78226654-78684767	7.1166	7.8777	0.1466	0.181082
<i>Zfp58</i>	chr13:67490166-67500555	14.9209	13.0893	-0.1889	0.137239
<i>Gm6404</i>	chr13:116153780-116154134	16.4775	12.4478	-0.4046	0.253814
<i>Gpx1</i>	chr9:108339079-108340338	94.7258	108.2935	0.1931	0.323472
<i>Hmgb3</i>	chrX:71555917-71560676	1.0049	1.3812	0.4590	0.232451
<i>Xlr4b</i>	chrX:73214332-73222453	5.6539	4.9182	-0.2011	0.034123
<i>Spcs1</i>	chr14:30999825-31001672	30.8106	26.4992	-0.2175	0.197081
<i>Rnf39</i>	chr17:36942917-36947986	1.3829	1.7524	0.3416	0.063510
<i>Chmp2b</i>	chr16:65539132-65562697	17.0785	15.2128	-0.1669	0.063566
<i>Pcif1</i>	chr2:164879303-164894454	27.5906	25.2359	-0.1287	0.112580
<i>Tubb2a</i>	chr13:34074300-34078008	4.9452	3.9076	-0.3398	0.207868
<i>Gcc2</i>	chr10:58255496-58305599	11.5134	12.3656	0.1030	0.187386
<i>BC037034</i>	chr5:138259657-138264046	27.9740	25.6545	-0.1249	0.043052
<i>6820431F20Rik</i>	chr8:20262612-20297546	0.7389	0.6053	-0.2878	0.066502
<i>Commd6</i>	chr14:101633765-101640686	16.8366	14.5794	-0.2077	0.132179
<i>Sp2</i>	chr11:96953339-96982959	3.3110	3.9735	0.2631	0.331185
<i>Nars2</i>	chr7:96951504-97064761	5.8890	5.2002	-0.1795	0.085373
<i>Utp23</i>	chr15:51877428-51884614	7.0108	5.9986	-0.2250	0.143746
<i>Atg14</i>	chr14:47540893-47568434	5.5166	4.8192	-0.1950	0.059809
<i>Sap30</i>	chr8:57482706-57487860	5.3789	6.3893	0.2484	0.150811
<i>Pmaip1</i>	chr18:66458603-66465550	7.6016	8.4539	0.1533	0.165015
<i>Lrrc45</i>	chr11:120713924-120721128	12.1910	10.9029	-0.1611	0.102019
<i>Slc30a5</i>	chr13:100802648-100833427	33.4239	30.5522	-0.1296	0.053376
<i>Gnao1</i>	chr8:93809965-93969388	0.1734	0.2479	0.5155	0.121881
<i>Orai3</i>	chr7:127769814-127775150	13.2574	14.5082	0.1301	0.153625
<i>Gm15599</i>	chr17:5110780-5112119	1.2934	2.0463	0.6618	0.285986
<i>Rbbp7</i>	chrX:162760401-162779092	51.3948	46.9699	-0.1299	0.043125
<i>Anks3</i>	chr16:4941414-4964237	20.7193	18.9019	-0.1324	0.004944
<i>Serac1</i>	chr17:6042195-6079741	2.1979	1.8283	-0.2657	0.161191
<i>Mmp23</i>	chr4:155650654-155653384	0.5019	0.3218	-0.6409	0.117802
<i>Med13l</i>	chr5:118560718-118765435	13.4325	12.1426	-0.1457	0.135079
<i>Dynlt3</i>	chrX:9654266-9663003	7.0408	8.2652	0.2313	0.304880
<i>Nup153</i>	chr13:46679904-46727940	79.0429	83.1301	0.0727	0.176709
<i>Samd9l</i>	chr6:3372259-3399571	204.7181	227.6847	0.1534	0.311425
<i>Itpr1p1</i>	chr2:127138771-127143442	9.0370	8.0545	-0.1661	0.094738
<i>Ppp2r5e</i>	chr12:75450882-75596200	6.8767	7.6786	0.1591	0.323489
<i>Rras2</i>	chr7:114046784-114117781	129.7650	137.8379	0.0871	0.190091
<i>Igfbp1</i>	chrX:100494290-100516125	23.2447	25.0968	0.1106	0.202865
<i>Pfkfb2</i>	chr1:130689042-130729253	6.7756	6.0968	-0.1523	0.099688
<i>Psd4</i>	chr2:24367579-24409182	65.9373	60.5764	-0.1223	0.076556
<i>Al662270</i>	chr11:83223575-83226604	73.8529	80.7643	0.1291	0.241076
<i>Gm17259</i>	chr13:81778772-81783749	2.2905	2.6252	0.1968	0.209541
<i>Ccdc109b</i>	chr3:129914959-129970206	3.2405	3.8751	0.2580	0.028720
<i>Gm16210</i>	chr10:39752258-39752868	3.1310	2.2195	-0.4964	0.089386
<i>Zbtb32</i>	chr7:30589680-30598909	3.4065	4.1501	0.2849	0.351825
<i>Gm12867</i>	chr4:119130291-119131001	1.7270	2.7021	0.6458	0.221619
<i>Srsf10</i>	chr4:135855746-135869908	18.9061	20.2273	0.0975	0.165945
<i>Tulp2</i>	chr7:45486261-45523632	0.2904	0.4781	0.7192	0.296524
<i>Myo7a</i>	chr7:98051059-98119524	1.5063	1.7687	0.2317	0.320570
<i>Aco1</i>	chr4:40143080-40198338	8.1315	7.3016	-0.1553	0.040239
<i>Nbn</i>	chr4:15957924-15992589	16.9875	18.6020	0.1310	0.185383
<i>Pcgf1</i>	chr6:83077868-83080855	5.5564	6.3967	0.2032	0.133386
<i>Arhgap25</i>	chr6:87458544-87533259	35.5939	37.8905	0.0902	0.224115
<i>Gstp1</i>	chr19:4035410-4037912	14.4962	12.0203	-0.2702	0.165437
<i>Tspyl4</i>	chr10:34297420-34301308	23.5987	21.3993	-0.1411	0.083806

<i>Ppp3r1</i>	chr11:17159262-17200375	30.5193	27.6125	-0.1444	0.085944
<i>Fancm</i>	chr12:65075605-65132058	5.2332	4.5728	-0.1946	0.193373
<i>Riok1</i>	chr13:38036988-38061433	31.9199	34.5835	0.1156	0.235948
<i>Atp5k</i>	chr5:108433243-108434448	56.3823	46.7235	-0.2711	0.258710
<i>Dgkq</i>	chr5:108646692-108669672	10.3107	9.2179	-0.1616	0.178302
<i>Slc15a4</i>	chr5:127595663-127632897	6.4993	5.8294	-0.1569	0.057549
<i>Slc2a3</i>	chr6:122727808-122801640	12.6695	11.4207	-0.1497	0.092662
<i>Klk9</i>	chr7:43791890-43796756	1.4936	1.0368	-0.5266	0.183311
<i>Gm24366</i>	chr8:122471626-122471712	35.2287	25.6974	-0.4551	0.200335
<i>Pccb</i>	chr9:100982031-101034898	10.0669	8.7253	-0.2063	0.176771
<i>6230400D17Rik</i>	chr14:20687235-20703012	15.1637	17.3271	0.1924	0.308469
<i>Tbc1d12</i>	chr19:38836578-38919923	1.4464	1.6960	0.2297	0.063967
<i>Cdc73</i>	chr1:143598796-143702893	4.2135	4.8621	0.2065	0.411925
<i>Rbfa</i>	chr18:80192264-80200658	34.3289	37.8119	0.1394	0.273578
<i>Gm12971</i>	chr4:130758562-130762379	4.2197	3.1157	-0.4376	0.003690
<i>Gm17084</i>	chr13:34033062-34037147	9.8791	8.7283	-0.1787	0.132866
<i>Trbd1</i>	chr6:41533200-41533212	597.4315	745.5618	0.3196	0.322838
<i>Ndufa2</i>	chr18:36742331-36744557	63.3522	52.8702	-0.2609	0.256939
<i>P2rx7</i>	chr5:122643910-122691432	2.1522	1.7856	-0.2694	0.188559
<i>Afmid</i>	chr11:117825923-117839908	7.0357	7.8373	0.1557	0.251278
<i>Rpp40</i>	chr13:35893471-35906359	2.3735	2.6884	0.1797	0.245728
<i>Fem1b</i>	chr9:62791831-62811648	19.6255	17.9818	-0.1262	0.052279
<i>Safb2</i>	chr17:56560964-56584585	13.4327	12.0626	-0.1552	0.171237
<i>D2hgdh</i>	chr1:93825239-93852348	6.1049	6.7382	0.1424	0.191691
<i>Tor1a</i>	chr2:30960626-30967933	20.2879	21.8992	0.1103	0.131662
<i>Ccl27a</i>	chr4:41769466-41774247	0.4760	0.6703	0.4939	0.070089
<i>Grwd1</i>	chr7:45825226-45830944	17.8039	15.8590	-0.1669	0.083399
<i>Pagr1b</i>	chr7:127001479-127016484	34.0343	37.5704	0.1426	0.151553
<i>Gm15824</i>	chr5:64190031-64190989	2.1228	3.1648	0.5761	0.366626
<i>Bclaf1</i>	chr10:20312468-20342501	105.9557	112.6257	0.0881	0.157427
<i>Smyd4</i>	chr11:75348432-75405705	4.1534	3.6252	-0.1963	0.089095
<i>Rpl14</i>	chr9:120571516-120574653	366.7356	470.2880	0.3588	0.195060
<i>Gm26765</i>	chr10:91149514-91150594	26.3765	22.7360	-0.2143	0.131385
<i>E4f1</i>	chr17:24443791-24455311	19.2858	17.1770	-0.1671	0.135284
<i>Gm21960</i>	chr3:96412909-96413361	4.7021	3.3133	-0.5050	0.137758
<i>B3gnt3</i>	chr8:71691718-71701800	2.2027	2.7151	0.3017	0.255916
<i>Rps15a-ps7</i>	chr2:152185290-152185682	2.8895	1.8633	-0.6330	0.071579
<i>Katnbl1</i>	chr2:112379210-112414240	5.1778	5.8286	0.1708	0.226395
<i>Tacc3</i>	chr5:33658127-33678995	5.1207	6.0745	0.2464	0.371133
<i>Degs1</i>	chr1:182275771-182282804	39.1724	35.9414	-0.1242	0.034132
<i>Smap2</i>	chr4:120968316-121017247	38.4563	40.9654	0.0912	0.201694
<i>Inpp1</i>	chr7:101822632-101838226	0.5395	0.7383	0.4527	0.318690
<i>Der1</i>	chr15:57869501-57892418	32.4144	29.2479	-0.1483	0.128870
<i>Lamc1</i>	chr1:153218921-15332786	0.2024	0.2796	0.4663	0.244397
<i>Lman1</i>	chr18:65980753-66022580	7.0569	7.6287	0.1124	0.201927
<i>Fut7</i>	chr2:25423266-25426374	1.6916	1.2659	-0.4182	0.184351
<i>Gm8034</i>	chr19:6044690-6044822	5.4829	8.1743	0.5762	0.050063
<i>Cldn12</i>	chr5:5505014-5514958	0.4515	0.5887	0.3827	0.069636
<i>Morc3</i>	chr16:93832120-93876072	60.5637	65.7862	0.1193	0.261723
<i>Acot8</i>	chr2:164792767-164804882	12.8441	11.2695	-0.1887	0.116722
<i>Cd6</i>	chr19:10789340-10830058	98.0280	104.8638	0.0973	0.287738
<i>1700120B22Rik</i>	chr10:63243073-63244148	21.1141	17.7284	-0.2521	0.099044
<i>Cltb</i>	chr13:54592400-54611344	6.5810	7.3260	0.1547	0.266030
<i>Naip5</i>	chr13:100211738-100246323	0.3626	0.5180	0.5148	0.345573
<i>Ly6a</i>	chr15:74994877-74997634	35.8333	57.6860	0.6869	0.215479
<i>Flnb</i>	chr14:7817956-7951588	14.4534	13.2078	-0.1300	0.063645
<i>Atp5g3</i>	chr2:73908446-73911326	36.4827	32.6103	-0.1619	0.127337
<i>Toporsos</i>	chr4:40269568-40270940	18.4464	15.6292	-0.2391	0.202051
<i>Zc3h12a</i>	chr4:125118422-125127840	10.8171	9.5393	-0.1814	0.168455
<i>Gga3</i>	chr11:115584254-115604051	8.4308	7.5498	-0.1592	0.138166
<i>Ssc4d</i>	chr5:135960210-135974531	0.5684	0.7859	0.4676	0.214853
<i>Fdxacb1</i>	chr9:50768235-50773348	3.9794	4.4550	0.1629	0.116344
<i>Mx1</i>	chr16:97447034-97462907	8.7856	15.2526	0.7958	0.219208
<i>Smad4</i>	chr18:73639008-73703780	47.4408	50.2794	0.0838	0.140569
<i>Ncoa5</i>	chr2:165000356-165034867	13.0820	11.8662	-0.1407	0.067473
<i>Osbpl3</i>	chr6:50293329-50456201	1.4108	2.1624	0.6162	0.267867
<i>Sirt6</i>	chr10:81621784-81627797	5.9767	5.2290	-0.1928	0.080404
<i>Atad3aos</i>	chr4:155761177-155769264	2.8680	2.2514	-0.3493	0.131742
<i>Vbp1</i>	chrX:75514298-75534942	37.4200	32.5125	-0.2028	0.250109
<i>Gm4895</i>	chr10:22153279-22154416	0.6112	1.0119	0.7274	0.197225
<i>Anp32-ps</i>	chr11:33394878-33395266	2.7205	3.8110	0.4863	0.067191

<i>Ccnj1</i>	chr11:43528783-43586997	0.4324	0.2835	-0.6088	0.050307
<i>Gm26888</i>	chr11:119151650-119156994	1.8582	1.4970	-0.3118	0.181155
<i>Ddx24</i>	chr12:103407975-103425867	60.3824	64.4925	0.0950	0.259254
<i>Plcxd1</i>	chr5:110099968-110105953	6.6659	5.8292	-0.1935	0.157343
<i>Rny3</i>	chr6:47781623-47781725	48.2802	26.1074	-0.8870	0.247115
<i>Klra3</i>	chr6:130323288-130337574	5.1397	6.2162	0.2744	0.250775
<i>6330408A02Rik</i>	chr7:13258966-13278721	1.6608	1.8259	0.1367	0.115334
<i>Calm3</i>	chr7:16915378-16924114	82.6202	93.0201	0.1710	0.337735
<i>Arrdc4</i>	chr7:68737044-68749241	1.1613	1.4188	0.2889	0.206247
<i>Thap11</i>	chr8:105855102-105856950	19.5302	17.0403	-0.1968	0.157370
<i>Mthfs</i>	chr9:89199378-89240226	1.5301	1.8217	0.2517	0.047105
<i>Yaf2</i>	chr15:93284277-93336935	10.7605	11.9271	0.1485	0.188895
<i>Gm11100</i>	chr14:13918443-13949558	7.3919	6.2881	-0.2333	0.158437
<i>Serpine3</i>	chr14:62663666-62692243	1.0986	0.7486	-0.5534	0.127395
<i>Alg1</i>	chr16:5233620-5244912	14.7303	13.2535	-0.1524	0.069016
<i>Gm26667</i>	chr16:84713022-84715242	5.5933	6.7620	0.2738	0.316769
<i>Jam2</i>	chr16:84774122-84825928	0.9930	0.8065	-0.3001	0.131294
<i>Ms4a1</i>	chr19:11250602-11266151	0.3365	0.5917	0.8141	0.246700
<i>Snrpe</i>	chr1:133603870-133610291	29.6824	25.1791	-0.2374	0.280083
<i>Wdr33</i>	chr18:31804056-31908987	25.1377	23.2585	-0.1121	0.035960
<i>Gm8731</i>	chr18:60778982-60779394	4.1883	2.9705	-0.4957	0.043120
<i>Tnfrsf4</i>	chr4:156013842-156016612	3.8554	4.5447	0.2373	0.129801
<i>Ap2b1</i>	chr11:83299023-83405035	24.8930	23.1027	-0.1077	0.015931
<i>Lincpint</i>	chr6:31165522-31218433	14.9641	17.1029	0.1927	0.339152
<i>Srcap</i>	chr7:127512026-127536376	12.3094	14.2815	0.2144	0.426987
<i>Spata13</i>	chr14:60634000-60764556	53.9654	56.5324	0.0670	0.183881
<i>Tubb4a</i>	chr17:57080065-57087782	3.0097	2.4257	-0.3112	0.151345
<i>Diexf</i>	chr1:193104402-193130251	10.4113	9.4709	-0.1366	0.065557
<i>Ttc17</i>	chr2:94300766-94406689	10.1060	10.8785	0.1063	0.286840
<i>Ahcy</i>	chr2:155059309-155074497	2.1452	1.7440	-0.2987	0.106826
<i>Kti12</i>	chr4:108847856-108849412	28.3352	24.6931	-0.1985	0.200447
<i>Gm5134</i>	chr10:75954513-76009591	0.7251	0.9430	0.3790	0.132306
<i>Gm9968</i>	chr16:43345886-43363666	1.7716	2.1633	0.2881	0.273050
<i>Zfp446</i>	chr7:12977847-12984340	1.8227	2.0640	0.1794	0.171077
<i>Gm17709</i>	chr8:121972726-121973822	1.4086	0.9517	-0.5657	0.139766
<i>Phxr4</i>	chr9:13431360-13432736	6.4935	7.8879	0.2806	0.370365
<i>Ptplad1</i>	chr9:64986984-65021717	41.6370	36.9876	-0.1708	0.197917
<i>Gm20680</i>	chr15:100586095-100592037	4.5508	6.0236	0.4045	0.269052
<i>Traj32</i>	chr14:54186100-54186166	40.1260	28.9234	-0.4723	0.205318
<i>Eij2ak2</i>	chr17:78852563-78882573	15.0317	16.9217	0.1709	0.383552
<i>Atp8b2</i>	chr3:89939480-89963508	27.0979	24.8162	-0.1269	0.143538
<i>Urod</i>	chr4:116989964-116994413	14.6843	13.1876	-0.1551	0.058539
<i>Cep162</i>	chr9:87189572-87255536	5.6207	6.0350	0.1026	0.132420
<i>311009E18Rik</i>	chr1:120121186-120188189	2.8990	2.3793	-0.2850	0.072976
<i>Nup43</i>	chr10:7667502-7678881	10.0012	8.8226	-0.1809	0.102663
<i>Mical1</i>	chr10:41476313-41487032	45.0257	47.8890	0.0889	0.266297
<i>Chst3</i>	chr10:60181531-60219260	0.2207	0.3121	0.4998	0.266466
<i>Eij4ebp2</i>	chr10:61432496-61452669	12.5776	14.4854	0.2037	0.359028
<i>Lss</i>	chr10:76531587-76557138	4.2103	3.7754	-0.1573	0.114188
<i>Gadd45b</i>	chr10:80930090-80932204	5.2602	6.3543	0.2726	0.291701
<i>Gatsl3</i>	chr11:4218224-4222409	4.4921	5.4688	0.2838	0.291826
<i>D930048N14Rik</i>	chr11:51650953-51657681	1.9242	1.5483	-0.3135	0.219598
<i>Ksr1</i>	chr11:79013439-79146407	2.4736	2.8597	0.2093	0.350918
<i>Brip1</i>	chr11:86058137-86201193	1.7251	1.9292	0.1613	0.181041
<i>Slc16a6</i>	chr11:109450854-109473598	10.2810	11.2457	0.1294	0.314044
<i>Gm26520</i>	chr12:3343815-3357153	1.5238	0.9734	-0.6465	0.278611
<i>Adck1</i>	chr12:88360553-88461719	10.5811	9.4169	-0.1682	0.068136
<i>Pacs2</i>	chr12:113014507-113074401	17.9038	16.2431	-0.1404	0.130683
<i>Zkscan8</i>	chr13:21513221-21531120	9.7000	10.5289	0.1183	0.291700
<i>Iars</i>	chr13:49682099-49734267	14.0476	15.3873	0.1314	0.325884
<i>Scfd2</i>	chr5:74204815-74531747	5.9081	5.2526	-0.1697	0.198156
<i>Vps33a</i>	chr5:123528763-123573015	16.3505	17.3404	0.0848	0.123049
<i>Rasa4</i>	chr5:136083915-136111860	0.8250	1.0406	0.3349	0.326422
<i>Zfp783</i>	chr6:47943170-47955913	3.7015	2.4521	-0.5941	0.144857
<i>Mkrr2</i>	chr6:115601937-115618670	22.2873	23.7548	0.0920	0.091976
<i>Ndufa9</i>	chr6:126821862-126849144	51.8836	45.5138	-0.1890	0.186330
<i>Gm26770</i>	chr6:128356003-128358839	6.6887	5.7601	-0.2156	0.147089
<i>Golt1b</i>	chr6:142387220-142403858	14.2739	12.8968	-0.1464	0.039852
<i>Eml2</i>	chr7:19176420-19206482	3.0651	2.5739	-0.2520	0.165867
<i>Gpr4</i>	chr7:19212537-19224176	1.2915	1.5641	0.2762	0.136397
<i>Zfp235</i>	chr7:24134173-24142266	5.0427	4.2851	-0.2349	0.150748

<i>Paf1</i>	chr7:28392950-28399388	31.7099	34.0903	0.1044	0.236099
<i>Zfp568</i>	chr7:29983954-30028282	5.6298	5.0325	-0.1618	0.138234
<i>Tomt</i>	chr7:101898372-101906359	5.5849	4.7036	-0.2478	0.172474
<i>NA</i>	chr7:127559385-127565266	9.3238	10.6415	0.1907	0.366862
<i>Ppp2r2d</i>	chr7:138846078-138883057	7.6963	8.2674	0.1033	0.139109
<i>Cd163l1</i>	chr7:140218266-140231145	0.9202	1.6895	0.8767	0.303668
<i>Gm1840</i>	chr8:5639583-5640996	2.3061	3.0076	0.3831	0.288356
<i>Arhgef10</i>	chr8:14911662-15001085	0.6526	0.5128	-0.3479	0.243839
<i>Gm6483</i>	chr8:19682267-19698275	1.1194	1.3034	0.2195	0.166628
<i>Ank1</i>	chr8:22974843-23150497	0.0432	0.0736	0.7708	0.166931
<i>Gm16675</i>	chr8:46730971-46739515	6.2987	5.1783	-0.2826	0.206033
<i>Gatad2a</i>	chr8:69907068-69996379	28.2838	31.2620	0.1444	0.350002
<i>Gpr97</i>	chr8:95017691-95045247	3.6952	3.0242	-0.2891	0.219960
<i>Mthfsd</i>	chr8:121095011-121108392	7.8391	7.0159	-0.1601	0.120177
<i>1810008B01Rik</i>	chr8:124305131-124306507	12.6498	10.8871	-0.2165	0.035401
<i>Alkbh8</i>	chr9:3335477-3387050	8.4823	7.6481	-0.1493	0.007368
<i>Aplp2</i>	chr9:31149556-31211815	9.4884	10.2906	0.1171	0.201307
<i>Rcn2</i>	chr9:56041844-56061882	8.0052	8.6526	0.1122	0.193800
<i>Zfp280d</i>	chr9:72274898-72363770	22.2383	23.8270	0.0995	0.186658
<i>Morf4l1</i>	chr9:90091670-90114820	9.0824	7.8060	-0.2185	0.182722
<i>Abhd14b</i>	chr9:106448639-106452915	4.6217	5.3354	0.2072	0.102317
<i>Qrich1</i>	chr9:108517086-108560167	81.6659	86.5972	0.0846	0.186076
<i>Wdr6</i>	chr9:108572312-108578670	19.8156	17.9590	-0.1419	0.119353
<i>Ccdc51</i>	chr9:109082495-109093363	5.1073	4.3511	-0.2312	0.118443
<i>Gm14853</i>	chrX:105844464-105845013	1.0785	1.6701	0.6309	0.056594
<i>Kantr</i>	chrX:152298499-152327495	0.6781	0.9902	0.5464	0.147897
<i>Ankr46</i>	chr15:36477667-36496791	14.4088	12.9277	-0.1565	0.067833
<i>Gm26518</i>	chr15:102455525-102483722	5.2907	5.8192	0.1374	0.104884
<i>Traj43</i>	chr14:54174741-54174798	36.8680	26.4373	-0.4798	0.131448
<i>Traj24</i>	chr14:54195637-54195700	64.9410	50.6795	-0.3577	0.155322
<i>Traj9</i>	chr14:54209392-54209450	98.0705	77.5945	-0.3379	0.195446
<i>Mrpl57</i>	chr14:57826238-57828745	16.1827	18.1245	0.1635	0.322077
<i>Rhobtb2</i>	chr14:69784989-69805530	20.2920	18.4408	-0.1380	0.128145
<i>Polr3d</i>	chr14:70438747-70443471	15.6975	16.9902	0.1142	0.170944
<i>1600012H06Rik</i>	chr17:14943183-14959570	17.5549	18.5976	0.0832	0.021953
<i>Snora78</i>	chr17:24719675-24719803	113.6645	94.1128	-0.2723	0.208805
<i>Lmf1</i>	chr17:25579173-25662826	1.6108	1.8156	0.1727	0.300161
<i>Trim39</i>	chr17:36258872-36272247	20.5870	18.8527	-0.1270	0.124966
<i>Sh3gl1</i>	chr17:56016752-56036637	53.7552	48.8960	-0.1367	0.093221
<i>Trip10</i>	chr17:57249450-57263697	1.1969	0.8936	-0.4215	0.144741
<i>Haao</i>	chr17:83831355-83846790	24.7628	26.6354	0.1052	0.025139
<i>Glis2</i>	chr16:4594712-4624924	1.1058	0.8819	-0.3264	0.145775
<i>Gm16861</i>	chr16:4935047-4939585	3.1808	2.5824	-0.3007	0.080132
<i>Abcc5</i>	chr16:20331302-20426394	10.3621	9.4155	-0.1382	0.110472
<i>Urb1</i>	chr16:90751526-90810413	12.4850	11.3892	-0.1325	0.101280
<i>Anxa1</i>	chr19:20373427-20390944	0.3670	0.5931	0.6925	0.347557
<i>Rpp30</i>	chr19:36083715-36104772	12.7474	14.6801	0.2037	0.262629
<i>Shoc2</i>	chr19:53944305-54033268	25.4961	27.4868	0.1085	0.205095
<i>Gm26293</i>	chr1:59692508-59692592	17.0864	11.7726	-0.5374	0.039703
<i>Ino80dos</i>	chr1:63114470-63158290	8.4204	6.8749	-0.2925	0.264727
<i>Pnk1</i>	chr1:74284929-74353694	1.3123	1.0741	-0.2890	0.082171
<i>Cab39</i>	chr1:85793440-85851576	99.8815	105.7957	0.0830	0.178715
<i>Hes6</i>	chr1:91411482-91414038	25.2648	22.8886	-0.1425	0.046168
<i>Per2</i>	chr1:91415983-91459330	1.0601	1.2505	0.2383	0.202069
<i>Srgap2</i>	chr1:131285250-131527361	6.0703	6.6189	0.1248	0.270118
<i>Ddx59</i>	chr1:136415270-136440158	6.7907	7.6246	0.1671	0.277866
<i>BC003331</i>	chr1:150361304-150393080	10.9815	11.9285	0.1193	0.246255
<i>Prdx6</i>	chr1:161240111-161251219	38.2427	33.9767	-0.1706	0.188846
<i>Rrp15</i>	chr1:186720977-186749358	14.7211	16.3376	0.1503	0.274921
<i>Wac</i>	chr18:7868831-7973547	20.4972	22.1317	0.1107	0.237903
<i>Ttc39c</i>	chr18:12599925-12737050	0.1963	0.3249	0.7267	0.341324
<i>Gm23639</i>	chr18:33795163-33795295	15.3910	10.8314	-0.5069	0.158807
<i>Sra1</i>	chr18:36666680-36671196	21.3695	19.1774	-0.1561	0.121326
<i>Hars2</i>	chr18:36783007-36792562	14.1174	12.7556	-0.1463	0.090150
<i>Pcdhgc4</i>	chr18:37674334-37841873	0.3257	0.3950	0.2783	0.308384
<i>Sec11c</i>	chr18:65800548-65817665	38.8884	35.0742	-0.1489	0.132968
<i>Il15ra</i>	chr2:11705286-11733986	2.9826	3.5226	0.2401	0.359556
<i>Ankrd16</i>	chr2:11777875-11790325	15.1482	13.5493	-0.1609	0.215550
<i>Abi1</i>	chr2:22940072-23040241	48.8368	52.7079	0.1100	0.240210
<i>Gm13427</i>	chr2:31676363-31688469	4.7527	3.6504	-0.3807	0.180272
<i>March7</i>	chr2:60209886-60250676	37.2474	39.2563	0.0758	0.133602

<i>Tnks1bp1</i>	chr2:85048021-85073048	4.3693	3.8363	-0.1877	0.173090
<i>Ndufs3</i>	chr2:90894633-90904827	19.5877	17.5797	-0.1560	0.097227
<i>Gm13785</i>	chr2:92312153-92312843	1.5342	2.4139	0.6538	0.279553
<i>Nusap1</i>	chr2:119618297-119651244	3.6725	5.1528	0.4886	0.266513
<i>Aurka</i>	chr2:172356189-172370535	2.5707	3.0315	0.2379	0.206124
<i>mt-Nd4</i>	chrM:10166-11544	69.2628	90.6045	0.3875	0.279177
<i>E130311K13Rik</i>	chr3:63914683-63929472	2.9034	3.4583	0.2523	0.327383
<i>Chil5</i>	chr3:106016918-106024916	17.9520	11.0449	-0.7008	0.274127
<i>Ufl1</i>	chr4:25248599-25281821	8.1793	8.7825	0.1027	0.138087
<i>3110043O21Rik</i>	chr4:35191284-35226175	2.3961	2.0440	-0.2293	0.077858
<i>Gm26643</i>	chr4:43030998-43032482	3.5449	2.8052	-0.3376	0.102610
<i>Rnf38</i>	chr4:44126209-44233789	17.5743	19.1758	0.1258	0.347062
<i>Zcchc7</i>	chr4:44755876-44932215	20.0917	21.4996	0.0977	0.281818
<i>Gm11223</i>	chr4:69925200-69926171	1.2699	1.7136	0.4323	0.008012
<i>Ybx1</i>	chr4:119277980-119294604	71.4072	78.6760	0.1399	0.315735
<i>Bmp8b</i>	chr4:123105164-123132099	1.6189	1.8834	0.2183	0.096771
<i>Xkr8</i>	chr4:132724896-132732546	1.7393	2.0221	0.2173	0.209477
<i>NA</i>	chr4:144972622-144974683	6.1746	5.3410	-0.2092	0.074365
<i>Gm4540</i>	chr3:106034661-106035056	2.3905	1.2855	-0.8950	0.266108
<i>Car5b</i>	chrX:163976821-164027997	0.1744	0.2738	0.6507	0.300643
<i>Palm3</i>	chr8:84021470-84030295	10.6428	11.9755	0.1702	0.337265
<i>4930519F09Rik</i>	chr10:28880920-28923507	14.0229	11.7754	-0.2520	0.250190
<i>Hist1h2ah</i>	chr13:22035112-22035643	2.2616	3.2277	0.5132	0.281952
<i>Slc6a6</i>	chr6:91684066-91759063	20.3398	18.7049	-0.1209	0.090047
<i>Rrm1</i>	chr7:102441694-102469771	15.6543	17.2124	0.1369	0.350752
<i>Gvin1</i>	chr7:106156534-106215340	1.5056	1.7352	0.2048	0.318241
<i>NA</i>	chr17:35994515-35999749	4.0912	3.5599	-0.2007	0.078403
<i>Exosc1</i>	chr19:41922979-41933314	20.0670	22.3192	0.1535	0.274469
<i>Usp20</i>	chr2:30982278-31023586	5.4889	4.8584	-0.1761	0.192197
<i>Tox</i>	chr4:6686352-6991557	4.6970	5.2739	0.1671	0.367617
<i>Mknk1</i>	chr4:115839197-115879250	9.3462	8.4377	-0.1475	0.099817
<i>Gm20708</i>	chr11:117809667-117839904	10.8330	12.1185	0.1618	0.262649
<i>Ncapg</i>	chr5:45669921-45700544	2.3458	2.7373	0.2227	0.374518
<i>Rpl30</i>	chr15:34440504-34443640	54.3632	47.3899	-0.1981	0.267793
<i>B230325K18Rik</i>	chr7:127983078-127985701	2.9548	3.5499	0.2647	0.371015
<i>D10Jhu81e</i>	chr10:78162066-78169768	35.2980	31.4742	-0.1654	0.124981
<i>Ccdc53</i>	chr10:88201092-88246158	14.5537	15.4076	0.0822	0.049218
<i>Tmem194</i>	chr10:127666900-127701049	5.8420	5.2101	-0.1651	0.168405
<i>Xaf1</i>	chr11:72301628-72313733	9.7140	11.2317	0.2094	0.404022
<i>1810032O08Rik</i>	chr11:116671659-116675799	7.2949	6.3750	-0.1945	0.118336
<i>Gm11738</i>	chr11:118114854-118118279	0.5155	0.7419	0.5253	0.220128
<i>AU020206</i>	chr7:75769761-75782099	21.7678	25.3377	0.2191	0.372952
<i>Mtmr2</i>	chr9:13748409-13806481	17.3667	18.3970	0.0831	0.138640
<i>Ibtk</i>	chr9:85687360-85749334	21.2646	19.5166	-0.1238	0.065262
<i>Gm8817</i>	chrX:167063193-167070380	2.2806	2.9911	0.3913	0.179067
<i>Gm14441</i>	chr2:22913292-22913832	1.1639	1.9299	0.7296	0.221161
<i>Ciz1</i>	chr2:32352326-32380226	8.7414	9.5957	0.1345	0.308746
<i>Gm22953</i>	chr2:121450669-121450770	36.5346	44.0926	0.2713	0.056863
<i>Cpne1</i>	chr2:156071844-156111959	45.8138	42.5339	-0.1072	0.033424
<i>Eij5a2</i>	chr3:28781310-28798846	3.6475	4.1007	0.1690	0.300874
<i>Fgf2</i>	chr3:37312518-37405377	2.6815	3.2152	0.2619	0.199818
<i>Rps26</i>	chr10:128624529-128626506	888.9165	1237.3679	0.4772	0.229942
<i>Trbv26</i>	chr6:41227524-41227993	25.6511	20.1544	-0.3479	0.309241
<i>Pcyox1</i>	chr6:86386005-86397150	4.7040	4.1808	-0.1701	0.078517
<i>Gm21984</i>	chr7:126942094-126952873	2.7209	1.9244	-0.4997	0.194846
<i>Gm25500</i>	chr9:15312551-15312674	16.7836	11.2182	-0.5812	0.289759
<i>Gm20507</i>	chr17:33630758-33645705	3.5341	4.0207	0.1861	0.175146
<i>Gm24452</i>	chr19:8724530-8724602	93.5190	110.2759	0.2378	0.280579
<i>Mastl</i>	chr2:23115605-23156024	1.2148	1.4300	0.2353	0.279163
<i>Fyn</i>	chr10:39368854-39565381	77.0013	80.9137	0.0715	0.243530
<i>Snrnp48</i>	chr13:38204938-38227663	40.7248	43.4316	0.0928	0.152377
<i>Gm24727</i>	chr8:33691800-33691944	18.8876	26.4854	0.4878	0.342528
<i>Kbtbd7</i>	chr14:79426510-79431039	3.0551	2.6547	-0.2027	0.066272
<i>Paqr4</i>	chr17:23736185-23740330	5.3078	6.1462	0.2116	0.317937
<i>Mis18a</i>	chr16:90719311-90727404	12.4184	13.4781	0.1181	0.144729
<i>Zbtb8a</i>	chr4:129353627-129378116	5.9885	6.6527	0.1517	0.117585
<i>Spast</i>	chr17:74338986-74391113	19.7685	17.8572	-0.1467	0.152672
<i>Heatr6</i>	chr11:83753695-83783754	9.7253	8.8623	-0.1341	0.095866
<i>Lsm12</i>	chr11:102162496-102185296	12.5896	14.2692	0.1807	0.316256
<i>Bcl3</i>	chr7:19808461-19822770	6.9935	8.4055	0.2653	0.407425
<i>BC023829</i>	chrX:70459752-70477180	8.0176	6.9861	-0.1987	0.120479

Gm21769	chr8:20122364-20126624	0.6454	0.8250	0.3542	0.273973
Rcor3	chr1:192098655-192138010	3.3636	3.7953	0.1742	0.164652
Bola1	chr3:96196587-96219709	7.5252	9.0054	0.2591	0.339002
Taf3	chr2:9914551-10048596	3.6397	4.0666	0.1600	0.284882
Gm16577	chr10:11212279-11212979	4.5911	3.3571	-0.4516	0.086641
Gm14303	chr2:172509431-172509697	21.4742	15.8237	-0.4405	0.253597
Hus1	chr11:8993136-9011191	4.3224	3.8662	-0.1609	0.061002
Fibcd1	chr2:31813289-31846005	0.1354	0.2276	0.7493	0.247760
Hn1	chr11:115497352-115514387	60.6441	54.0136	-0.1670	0.205083
Hist1h3e	chr13:23561533-23562369	33.5941	37.6040	0.1627	0.301472
E2f3	chr13:29906574-29985668	2.2969	2.6143	0.1867	0.254947
Gm16578	chr13:54219452-54223023	1.1586	1.6570	0.5163	0.065057
Zfp12	chr5:143235162-143248834	11.4561	10.4455	-0.1332	0.055900
Slc37a2	chr9:37229148-37255738	1.7787	1.5189	-0.2278	0.041803
Mir5113	chr15:80940038-80940120	26.7134	19.0738	-0.4860	0.144607
Vps39	chr2:120316460-120353137	12.5376	13.2415	0.0788	0.193196
Rtfcd1	chr2:172440555-172469908	36.5078	33.1356	-0.1398	0.106342
Mrp153	chr6:83109094-83109939	18.9825	16.4394	-0.2075	0.110149
Hmces	chr6:87913934-87936629	8.1629	7.0987	-0.2015	0.131128
Ccnd1	chr7:144929930-144939869	1.0327	1.2673	0.2953	0.174324
Abhd13	chr8:9977706-9992155	17.6687	15.9402	-0.1485	0.141217
Prim2	chr1:33453810-33669786	11.0656	12.0922	0.1280	0.090493
Slc35c2	chr2:165276553-165287869	7.0890	6.3344	-0.1624	0.077175
Arfgap1	chr2:180967224-180982526	16.2383	14.9346	-0.1207	0.065734
Cp	chr3:19957053-20009145	0.8245	0.6719	-0.2952	0.196643
Rgs19	chr2:181688418-181693977	47.9510	44.1714	-0.1184	0.074709
Gm26836	chr11:75745071-75761195	6.4619	5.5362	-0.2231	0.082521
Lrwd1	chr5:136122771-136136074	13.5593	12.3996	-0.1290	0.073656
Klrc2	chr6:129647495-129660689	1.1618	1.7087	0.5565	0.262291
Gm6419	chr10:74862987-74863419	2.5814	3.6893	0.5152	0.206162
Txndc5	chr13:38500272-38528824	20.4751	22.4289	0.1315	0.336316
Riok3	chr18:12128849-12157367	45.0825	41.1934	-0.1302	0.101621
Cltc	chr4:44004451-44032846	93.3557	102.8054	0.1391	0.330939
Myo5c	chr9:75232013-75305451	0.1321	0.2120	0.6820	0.286949
Smim11	chr16:92301285-92313041	16.1126	18.4701	0.1970	0.307253
Dock8	chr19:24999528-25202432	67.0053	61.7342	-0.1182	0.136684
Peak1	chr9:56201130-56418050	6.7035	7.7528	0.2098	0.449450
Sema6c	chr3:95160456-95174024	0.1611	0.2260	0.4886	0.045797
Gls2	chr10:128194456-128210004	0.6691	0.5066	-0.4016	0.009502
Gas8	chr8:123518834-123536649	2.9136	3.4695	0.2519	0.187313
I7Rn6	chr7:89917528-89941199	7.0929	5.7820	-0.2948	0.271582
Fuca1	chr4:135920734-135940311	14.0705	12.5939	-0.1600	0.144294
Atxn713b	chr10:112925437-112929026	35.6652	32.0073	-0.1561	0.188467
Ssr3	chr3:65379654-65392623	36.0514	38.3196	0.0880	0.157777
Mir719	chr14:60228805-60228915	99.0625	111.3938	0.1693	0.098099
Coq10a	chr10:128363096-128370032	7.4308	6.4779	-0.1980	0.175303
Tmem101	chr11:102152545-102156404	4.4349	3.7979	-0.2237	0.040583
Hivep3	chr4:119733783-120138045	0.2902	0.3562	0.2957	0.215272
Uqcrb	chr13:66900616-66905378	17.2284	14.4131	-0.2574	0.228470
Pold3	chr7:100082110-100121565	14.4347	15.3324	0.0870	0.153100
Casp7	chr19:56397128-56442344	7.3145	8.0752	0.1428	0.193997
Bard1	chr1:71027497-71103146	1.4231	1.6536	0.2166	0.282578
Gm23548	chr4:123490230-123490336	12.6731	8.6388	-0.5529	0.054211
Trbv13-1	chr6:41116035-41116468	126.6319	109.2814	-0.2126	0.245562
Gm20431	chr2:167607849-167661496	7.6840	6.7978	-0.1768	0.056138
Gm26528	chr10:22281453-22281736	5.2742	7.1437	0.4377	0.187146
C920006O11Rik	chr9:78175913-78178879	4.2513	4.9996	0.2339	0.212944
O610012D04Rik	chr17:87362238-87364462	1.2454	1.8693	0.5859	0.051208
Dnaja3	chr16:4639988-4707695	18.0178	16.4769	-0.1290	0.068767
Adhfe1	chr1:9547947-9577970	0.3503	0.4926	0.4918	0.263930
Nup188	chr2:30286396-30344266	12.6959	11.6258	-0.1270	0.101121
Gyg	chr3:20122083-20155317	12.3489	13.2733	0.1041	0.063316
Sar1a	chr10:61680309-61693295	57.2069	52.0219	-0.1371	0.127522
Pthrhd1	chr12:4234026-4240123	1.7316	2.0080	0.2136	0.184953
Dmtf1	chr5:9118800-9161749	47.6221	50.5591	0.0863	0.235995
Med28	chr5:45520220-45529276	10.6816	9.3698	-0.1890	0.216431
Polr2l	chr7:141471859-141475132	4.4358	3.6801	-0.2695	0.153954
2610005L07Rik	chr8:20267773-20424814	0.2349	0.3295	0.4886	0.090028
Snord14e	chr9:40804747-40804837	98.6012	73.3771	-0.4263	0.340521
B230359F08Rik	chr14:53795359-53797832	1.1532	0.7961	-0.5345	0.075805
Gm15539	chr16:3927605-3928171	2.9427	2.1049	-0.4834	0.045664

<i>Gigyf2</i>	chr1:87326997-87450796	14.2100	15.1742	0.0947	0.236181
<i>Rc3h1</i>	chr1:160906417-160974978	22.6166	20.5648	-0.1372	0.162461
<i>Gm14253</i>	chr2:156346803-156347997	2.2755	3.0285	0.4124	0.275561
<i>Scarna2</i>	chr3:108554337-108554751	968.9435	851.2627	-0.1868	0.224126
<i>Camk2b</i>	chr11:5969643-6066362	1.5711	1.8194	0.2117	0.327671
<i>Tbrg4</i>	chr11:6615597-6626067	14.4476	13.2314	-0.1269	0.046777
<i>Cdk6</i>	chr5:3343892-3523218	11.7852	10.2568	-0.2004	0.289614
<i>Bcl7b</i>	chr5:135168282-135181855	18.7215	21.1313	0.1747	0.330358
<i>Tipin</i>	chr9:64281606-64304792	20.9871	23.3364	0.1531	0.279080
<i>Plcd4</i>	chr1:74542887-74567794	1.1035	0.9081	-0.2811	0.132352
<i>Mrto4</i>	chr4:139347434-139352576	9.8079	8.6821	-0.1759	0.096217
<i>Gm13031</i>	chr4:140947665-140957902	5.7526	4.7444	-0.2780	0.041325
<i>C78339</i>	chr13:46669521-46678056	20.2000	18.3587	-0.1379	0.123523
<i>Parp8</i>	chr13:116854823-117025516	27.4691	29.1110	0.0838	0.121449
<i>Tbc1d1</i>	chr5:64159450-64351486	22.9608	24.2410	0.0783	0.272283
<i>Sh3rf1</i>	chr8:61224170-61396072	1.3059	1.5127	0.2122	0.142223
<i>Brd2</i>	chr17:34112022-34122634	45.9419	48.5933	0.0809	0.252536
<i>Gm20540</i>	chr17:49427937-49429240	1.1835	1.7346	0.5515	0.221815
<i>Zhx3</i>	chr2:160743926-160872998	10.1394	9.1731	-0.1445	0.184313
<i>Gm6485</i>	chr3:104752726-104753165	2.8254	1.8463	-0.6138	0.132017
<i>Trit1</i>	chr4:123016596-123054949	17.3640	15.5579	-0.1585	0.121729
<i>Cpsf3l</i>	chr4:155869545-155889103	27.8441	25.4854	-0.1277	0.077387
<i>Gstt2</i>	chr10:75831844-75834881	23.0121	20.3476	-0.1775	0.175385
<i>Gm21989</i>	chr12:20990458-21200919	0.4742	0.7318	0.6260	0.261504
<i>Gm15753</i>	chr5:137720353-137721740	1.3655	0.8930	-0.6127	0.240236
<i>Cmb1</i>	chr15:31568790-31590119	3.2915	2.5412	-0.3732	0.220889
<i>Trim26</i>	chr17:36837133-36859398	15.1614	15.9219	0.0706	0.100012
<i>Bank1</i>	chr3:136053362-136326046	1.1952	1.4659	0.2946	0.243828
<i>Gm26596</i>	chr10:112928500-112931155	4.2441	3.6554	-0.2154	0.085576
<i>Ddit3</i>	chr10:127290773-127296288	14.8765	16.1048	0.1145	0.142334
<i>Ap1b1</i>	chr11:4986823-5042791	25.4361	23.3024	-0.1264	0.125268
<i>Cnrip1</i>	chr11:17051585-17079371	0.2150	0.3272	0.6058	0.301893
<i>Appbp2</i>	chr11:85187261-85235130	14.1008	12.9533	-0.1225	0.066808
<i>2010015M23Rik</i>	chr11:88039577-88047360	2.3303	1.7609	-0.4042	0.142718
<i>Gm11531</i>	chr11:96392111-96392666	3.4798	4.6069	0.4048	0.198068
<i>Rbm25</i>	chr12:83631235-83683123	28.3834	29.9810	0.0790	0.235786
<i>A630072L19Rik</i>	chr12:100941741-100949875	11.3933	10.2975	-0.1459	0.090909
<i>NA</i>	chr13:23575762-23577011	3.5401	4.4865	0.3418	0.320135
<i>Mblac2</i>	chr13:81711416-81753275	3.8295	4.3323	0.1779	0.264505
<i>Fam151b</i>	chr13:92449621-92484031	0.7198	1.0267	0.5123	0.230021
<i>Taf9</i>	chr13:100651342-100656059	19.4667	21.5203	0.1447	0.260476
<i>Mier3</i>	chr13:111686177-111718596	10.5202	11.4481	0.1220	0.268332
<i>Ankrd17</i>	chr5:90227189-90366185	21.9716	23.5089	0.0976	0.303073
<i>Tgfbr3</i>	chr5:107106569-107289629	8.1497	8.7595	0.1041	0.234969
<i>4921507P07Rik</i>	chr6:50573301-50596632	1.4370	1.1382	-0.3363	0.047358
<i>Hnrnpul1</i>	chr7:25721497-25754730	70.7499	77.3966	0.1295	0.356647
<i>Nipa1</i>	chr7:55977566-56019954	0.2687	0.3916	0.5433	0.189046
<i>Ppme1</i>	chr7:100326736-100371896	16.4984	14.7925	-0.1575	0.105511
<i>Oraov1</i>	chr7:144915099-144930748	6.1996	5.4545	-0.1847	0.158216
<i>NA</i>	chr8:4325226-4348790	1.9812	1.4395	-0.4608	0.130287
<i>Terf2</i>	chr8:107069399-107096547	11.4968	12.2141	0.0873	0.127875
<i>Gm14703</i>	chrX:7651105-7657258	0.5850	0.3522	-0.7320	0.170592
<i>Gpr174</i>	chrX:107255877-107296769	30.3525	33.6300	0.1479	0.368150
<i>Bop1</i>	chr15:76452995-76477269	39.0476	35.9362	-0.1198	0.056465
<i>Dynlt1f</i>	chr17:6648940-6655939	3.9058	4.8354	0.3080	0.169596
<i>BC051226</i>	chr17:33908181-33909317	10.6031	11.9937	0.1778	0.184763
<i>H2-Aa</i>	chr17:34282743-34287827	2.7911	3.5050	0.3286	0.358384
<i>NA</i>	chr17:34996735-35000958	22.9722	25.7559	0.1650	0.404478
<i>Olfr756-ps1</i>	chr17:37285141-37286069	1.5416	2.1422	0.4747	0.235845
<i>Runx2os2</i>	chr17:44710221-44713925	1.0401	1.7157	0.7221	0.406704
<i>Cluap1</i>	chr16:3908800-3941147	20.7363	18.9006	-0.1337	0.047560
<i>Camk2n2</i>	chr16:20619214-20621287	0.7286	0.4665	-0.6432	0.061771
<i>Tceb1</i>	chr1:16642765-16656865	29.7083	25.4065	-0.2257	0.268930
<i>Soat1</i>	chr1:156428107-156474328	17.8815	16.3229	-0.1316	0.088681
<i>NA</i>	chr18:36671159-36679366	20.9970	18.7133	-0.1661	0.161219
<i>Msrb2</i>	chr2:19371439-19394976	7.0032	6.0407	-0.2133	0.030977
<i>1700029I15Rik</i>	chr2:92382917-92385708	2.3161	1.5939	-0.5392	0.162012
<i>Dnajc24</i>	chr2:105966708-106003549	7.9965	6.6873	-0.2579	0.180203
<i>Gm14085</i>	chr2:122484940-122528040	41.6566	37.1404	-0.1656	0.216022
<i>Mfsd8</i>	chr3:40818069-40846885	5.5788	6.2220	0.1574	0.293849
<i>Gm20402</i>	chr3:52268434-52269435	29.8695	25.5578	-0.2249	0.249163

<i>Rtca</i>	chr3:116488962-116508208	12.3295	10.9344	-0.1732	0.088325
<i>Lrp8</i>	chr4:107802260-107876840	0.6301	0.5197	-0.2778	0.151100
<i>Gm26330</i>	chr4:117155185-117155289	18.0024	23.6999	0.3967	0.224870
<i>Rsc1a1</i>	chr4:141683562-141723419	25.2050	22.9009	-0.1383	0.162808
<i>Ndufa4</i>	chr6:11900372-11907446	159.4205	137.3781	-0.2147	0.287915
<i>Cntd1</i>	chr11:101279011-101296317	19.1415	20.1762	0.0760	0.079891
<i>Arl4d</i>	chr11:101665540-101667832	5.2802	6.5499	0.3109	0.365965
<i>Ifrd1</i>	chr12:40201566-40248504	11.9009	12.7916	0.1041	0.206557
<i>Kdm2b</i>	chr5:122870667-123015080	4.1856	3.8204	-0.1317	0.041991
<i>Polr2f</i>	chr15:79141350-79151774	38.1440	33.1593	-0.2020	0.154907
<i>Creld2</i>	chr15:88819645-88826681	15.0745	13.3098	-0.1796	0.109766
<i>Ndufa8</i>	chr2:36036325-36049406	40.6509	45.1025	0.1499	0.315910
<i>Ap4e1</i>	chr2:127008716-127067909	6.6438	5.9719	-0.1538	0.162865
<i>mt-Tq</i>	chrM:3771-3842	8.7110	12.9031	0.5668	0.002188
<i>Chrnbl</i>	chr11:69784035-69795943	3.5987	3.1119	-0.2097	0.004391
<i>Aup1</i>	chr6:83054652-83057680	78.8860	85.7255	0.1200	0.318423
<i>Stx3</i>	chr19:11775118-11819403	1.5590	1.8092	0.2147	0.210754
<i>Bcl11b</i>	chr12:107910402-108003602	48.5795	52.4855	0.1116	0.336369
<i>Gm614</i>	chrX:101261375-101263992	11.7315	13.2795	0.1788	0.188947
<i>Pold4</i>	chr19:4231898-4233631	34.3311	37.5880	0.1308	0.270473
<i>Llph</i>	chr10:120227069-120232071	6.9023	5.9332	-0.2183	0.075802
<i>Cbx2</i>	chr11:119022961-119031270	3.1654	2.7183	-0.2196	0.177610
<i>Mtrr</i>	chr13:68560779-68582121	12.3180	11.1312	-0.1462	0.077676
<i>Zfp518b</i>	chr5:38668483-38684826	0.7104	0.8510	0.2606	0.254512
<i>Gm15708</i>	chr5:144277060-144280513	2.1131	2.5606	0.2771	0.146152
<i>Epn1</i>	chr7:5080234-5098178	24.8547	22.2214	-0.1616	0.223685
<i>Got2</i>	chr8:95864133-95888547	13.7106	14.9041	0.1204	0.266268
<i>Cenpi</i>	chrX:134308083-134362639	0.7815	0.9495	0.2808	0.300549
<i>Gm15937</i>	chr15:5208912-5210147	1.5011	1.9971	0.4118	0.175062
<i>Chkb</i>	chr15:89416404-89429908	10.6554	9.7898	-0.1222	0.033682
<i>Gbp5</i>	chr3:142496933-142522344	10.9371	12.1933	0.1569	0.336933
<i>Aim1l</i>	chr4:134065911-134092504	2.3660	2.0328	-0.2190	0.200144
<i>Twf2</i>	chr9:106203107-106215387	84.3918	75.1051	-0.1682	0.192989
<i>Amd1</i>	chr10:40287457-40302188	4.5607	5.1187	0.1665	0.220908
<i>Gm16144</i>	chr9:69477028-69479598	1.0985	0.7065	-0.6369	0.022334
<i>Gm12107</i>	chr11:31832659-31838214	1.9224	1.3847	-0.4734	0.111500
<i>Dtx3l</i>	chr16:35926510-35939151	52.8686	56.1822	0.0877	0.280508
<i>Mllt4</i>	chr17:13760538-13906150	1.2320	1.0280	-0.2611	0.254308
<i>Sh3bp5l</i>	chr11:58330723-58347728	5.2008	4.6453	-0.1629	0.134196
<i>Xbp1</i>	chr11:5520658-5525893	15.2527	13.7074	-0.1541	0.148552
<i>Zbtb22</i>	chr17:33915903-33919324	15.3471	16.9449	0.1429	0.327798
<i>Rnasel</i>	chr1:153749425-153764221	16.0546	17.0169	0.0840	0.280386
<i>Proscos</i>	chr8:27042376-27043042	0.8963	1.3813	0.6239	0.132058
<i>Ppcdc</i>	chr9:57412667-57440114	28.9975	26.0329	-0.1556	0.206153
<i>Akap7</i>	chr10:25169089-25307870	0.7867	0.9444	0.2635	0.053372
<i>Scamp4</i>	chr10:80602881-80615783	19.3273	17.2593	-0.1633	0.174976
<i>Gna15</i>	chr10:81502305-81524225	5.4729	6.2177	0.1841	0.220367
<i>Nefh</i>	chr11:4938753-4948064	5.0293	5.6015	0.1555	0.258277
<i>Zfp3</i>	chr11:70764208-70772928	5.5583	4.7624	-0.2230	0.128543
<i>Srr</i>	chr11:74906358-74925948	16.4402	15.1026	-0.1224	0.032308
<i>Zfp346</i>	chr13:55105310-55134825	7.2917	6.4857	-0.1690	0.130500
<i>Nnt</i>	chr13:119335447-119408997	3.9020	3.4573	-0.1746	0.153243
<i>Ccdc18</i>	chr5:108132913-108232947	0.6932	0.8477	0.2904	0.194342
<i>Gusb</i>	chr5:129989010-130003049	12.6089	11.5592	-0.1254	0.040501
<i>BC037034</i>	chr5:138259655-138264046	26.1884	24.1614	-0.1162	0.063779
<i>Gm26712</i>	chr6:57689432-57689649	27.4702	33.0057	0.2649	0.286824
<i>Loh12cr1</i>	chr6:134639626-134711184	7.3229	6.2618	-0.2258	0.172675
<i>Lrmp</i>	chr6:145115652-145174934	42.5666	39.3456	-0.1135	0.090275
<i>Zfp954</i>	chr7:7114689-7121445	17.2746	15.3629	-0.1692	0.149058
<i>2310014L17Rik</i>	chr7:12927415-12931072	0.8149	0.9946	0.2876	0.035021
<i>Vasp</i>	chr7:19256928-19271817	153.9951	142.7391	-0.1095	0.087567
<i>Sdhof1</i>	chr7:30321410-30322375	18.6996	21.1412	0.1771	0.314570
<i>Psenen</i>	chr7:30561867-30563184	2.9528	2.1805	-0.4374	0.087539
<i>AA474408</i>	chr7:110057986-110061325	3.2441	2.8233	-0.2004	0.028834
<i>9030624J02Rik</i>	chr7:118740225-118842966	11.2504	10.2666	-0.1320	0.086382
<i>Ric8</i>	chr7:140856956-140863730	27.0674	24.8612	-0.1227	0.097152
<i>Unc13a</i>	chr8:71624416-71671757	1.8423	1.6035	-0.2003	0.243756
<i>Ireb2</i>	chr9:54863754-54912534	11.4029	13.0070	0.1899	0.442147
<i>Snord16a</i>	chr9:64175422-64175521	10.8265	5.8939	-0.8773	0.265998
<i>Trip4</i>	chr9:65828929-65908794	5.8203	6.1881	0.0884	0.126097
<i>BC043934</i>	chr9:96435783-96437434	27.8840	24.5600	-0.1831	0.218703

<i>Cish</i>	chr9:107296025-107302784	1.6261	1.3601	-0.2577	0.231141
<i>Gm5124</i>	chrX:21360864-21364622	0.7314	0.9593	0.3913	0.209404
<i>Armcx2</i>	chrX:134804144-134809221	9.8362	10.5547	0.1017	0.146167
<i>Tmem164</i>	chrX:142681405-142843494	15.3976	14.2363	-0.1131	0.035889
<i>Vmn2r96</i>	chr17:18581726-18598157	5.5526	4.5232	-0.2958	0.322974
<i>Lemd2</i>	chr17:27189600-27204438	19.6661	17.7320	-0.1494	0.150790
<i>Brd4</i>	chr17:32196273-32284722	6.1782	7.0669	0.1939	0.433850
<i>Zfp952</i>	chr17:32993128-33005457	10.3995	9.2520	-0.1687	0.176911
<i>Cdc45</i>	chr16:18780446-18811987	3.4585	4.0627	0.2323	0.329152
<i>Psmc2</i>	chr16:20651651-20663414	35.6386	32.5908	-0.1290	0.099121
<i>Ets2</i>	chr16:95702074-95721051	10.1910	9.2421	-0.1410	0.098237
<i>Stx5a</i>	chr19:8741412-8756069	23.1602	21.5196	-0.1060	0.029904
<i>Gm5822</i>	chr19:28862329-28863707	3.3475	4.1152	0.2979	0.271802
<i>Gm15491</i>	chr19:45749507-45752310	69.4739	63.2817	-0.1347	0.059075
<i>Exo1</i>	chr1:175880777-175911396	0.7783	0.9632	0.3075	0.336230
<i>Gm23301</i>	chr18:75001454-75001519	45.5844	35.5527	-0.3586	0.071104
<i>Mrpl41</i>	chr2:24974116-24975098	35.6517	40.1678	0.1721	0.329593
<i>Slc2a8</i>	chr2:32972989-32982083	1.9015	1.5147	-0.3281	0.167217
<i>Nr6a1</i>	chr2:38723369-38927688	0.4498	0.5404	0.2647	0.032233
<i>1110034G24Rik</i>	chr2:132686930-132751055	9.6550	8.3843	-0.2036	0.193641
<i>Pigu</i>	chr2:155278242-155357430	3.1507	3.3903	0.1057	0.165746
<i>Gatad2b</i>	chr3:90341653-90358120	10.0505	11.3572	0.1763	0.339070
<i>Zzz3</i>	chr3:152395472-152462826	21.4910	19.7564	-0.1214	0.096526
<i>Tln1</i>	chr4:43531518-43562691	108.9532	100.5694	-0.1155	0.151208
<i>NA</i>	chr4:91805348-91806561	2.8866	3.5554	0.3006	0.236226
<i>AU022252</i>	chr4:119203569-119232712	4.1639	3.7850	-0.1376	0.077812
<i>S100pbb</i>	chr4:129148004-129189727	11.9254	11.0165	-0.1144	0.033906
<i>Ski</i>	chr4:155154074-155222592	17.9203	19.5421	0.1250	0.361663
<i>Mex3d</i>	chr10:80380354-80387659	2.7977	2.3571	-0.2472	0.181739
<i>Vezt</i>	chr10:93939164-94035817	2.0324	1.8384	-0.1447	0.095454
<i>Gm11973</i>	chr11:6475424-6493535	6.7855	5.6950	-0.2528	0.068615
<i>Gm12734</i>	chr11:77542132-77543080	3.0606	3.9098	0.3533	0.252915
<i>Gm527</i>	chr12:64917910-64924591	1.4771	1.9162	0.3755	0.183680
<i>Zc3hav1l</i>	chr6:38287395-38299259	0.9848	0.8156	-0.2719	0.152355
<i>Usp38</i>	chr8:80980733-81014906	43.8877	40.8549	-0.1033	0.038226
<i>Med17</i>	chr9:15260351-15279867	20.2630	18.6918	-0.1164	0.012876
<i>Mrpl4</i>	chr9:21002736-21008835	21.0737	18.6590	-0.1756	0.138999
<i>Adpgk</i>	chr9:59291571-59316199	33.6105	29.9509	-0.1663	0.251466
<i>Traj45</i>	chr14:54172827-54172890	20.2047	12.7951	-0.6591	0.156782
<i>Pkd1</i>	chr17:24549949-24596514	13.7621	12.3930	-0.1512	0.244511
<i>Ap2m1</i>	chr16:20535477-20544909	8.6543	9.2722	0.0995	0.119564
<i>Fam174a</i>	chr1:95313627-95335284	7.2347	8.1700	0.1754	0.257270
<i>H3f3aos</i>	chr1:180813775-180816859	4.3951	4.8961	0.1557	0.224107
<i>Pygb</i>	chr2:150786734-150831758	29.2138	26.6605	-0.1319	0.119412
<i>Larp7</i>	chr3:127536953-127553348	28.7358	31.4736	0.1313	0.289179
<i>Casp9</i>	chr4:141793611-141815976	2.9853	3.3185	0.1526	0.186256
<i>Gm22591</i>	chr6:113060697-113060803	6.2216	10.1001	0.6990	0.338217
<i>AI429214</i>	chr8:36993574-36995531	0.3148	0.5344	0.7634	0.316783
<i>Snx13</i>	chr12:35047188-35147469	8.9798	8.2236	-0.1269	0.048154
<i>Lyrm7</i>	chr11:54826865-54860916	4.1009	4.5503	0.1500	0.212118
<i>2310058D17Rik</i>	chr11:58965747-58978050	4.4076	3.8395	-0.1991	0.133462
<i>Crk</i>	chr11:75679258-75706908	23.9454	22.1172	-0.1146	0.037694
<i>Narf</i>	chr11:121237252-121255856	16.8257	15.0301	-0.1628	0.214092
<i>Acad12</i>	chr5:121598283-121618938	0.3808	0.2810	-0.4385	0.059660
<i>Tnpo3</i>	chr6:29540826-29609887	20.5942	19.0372	-0.1134	0.060428
<i>Rwdd4a</i>	chr8:47533663-47552955	11.7120	12.7425	0.1217	0.249325
<i>Tspyl2</i>	chrX:152336851-152342425	15.7271	17.1163	0.1221	0.290133
<i>Nudt22</i>	chr19:6993017-6996117	5.9090	4.8999	-0.2702	0.154998
<i>Vps18</i>	chr2:119288739-119298453	5.8497	5.2863	-0.1461	0.035861
<i>Lsm14b</i>	chr2:180024986-180035465	18.3950	16.9348	-0.1193	0.013073
<i>Fv1</i>	chr4:147868978-147870358	12.7073	11.2158	-0.1801	0.083530
<i>Ighg2b</i>	chr12:113306388-113307933	0.3520	1.8796	2.4166	0.082473
<i>Gm20652</i>	chr3:88616456-88621061	6.2593	4.5304	-0.4664	0.231605
<i>Snord100</i>	chr10:23785749-23785823	81.8927	65.2852	-0.3270	0.251440
<i>Cirbp</i>	chr10:80165984-80172786	30.1596	33.1572	0.1367	0.354541
<i>Tmem198b</i>	chr10:128800035-128804370	1.4407	1.7232	0.2583	0.244752
<i>Actr2</i>	chr11:20062303-20112913	65.1034	59.9649	-0.1186	0.099371
<i>Snord96a</i>	chr11:48802031-48802112	74.2947	59.9715	-0.3090	0.212679
<i>C030037D09Rik</i>	chr11:88718644-88728893	0.2840	0.3786	0.4148	0.014874
<i>Pnpo</i>	chr11:96937824-96943986	14.5225	15.7198	0.1143	0.268835
<i>Map2k6</i>	chr11:110399121-110525522	2.8533	2.4019	-0.2485	0.187104

<i>Dtd2</i>	chr12:51988311-52006501	3.0852	3.4863	0.1763	0.235318
<i>Dync1h1</i>	chr12:110601451-110666945	66.9128	62.2578	-0.1040	0.120402
<i>Gpr137b-ps</i>	chr13:12619083-12650297	1.5728	1.2794	-0.2978	0.092404
<i>Eij2b1</i>	chr5:124570212-124579131	14.9607	13.4709	-0.1513	0.120604
<i>Wbscr16</i>	chr5:134148053-134176774	5.7599	5.0029	-0.2033	0.165716
<i>Trbj1-4</i>	chr6:41534810-41534861	188.3500	224.0248	0.2502	0.358753
<i>Tax1bp1</i>	chr6:52713728-52766780	51.5399	54.0079	0.0675	0.139738
<i>Cecr2</i>	chr6:120666368-120771190	0.0504	0.0746	0.5657	0.122894
<i>Gm15720</i>	chr6:146463325-146463607	5.7219	7.5215	0.3945	0.115711
<i>Zfp784</i>	chr7:5034438-5038446	4.0065	4.6005	0.1994	0.260552
<i>Gm26529</i>	chr7:89980748-89981848	4.3189	3.5021	-0.3024	0.127517
<i>Star</i>	chr8:25808473-25814723	4.3707	3.8069	-0.1992	0.100921
<i>Zdhhc2</i>	chr8:40423814-40510268	1.7485	2.0205	0.2085	0.317943
<i>Isyna1</i>	chr8:70594480-70597288	33.5235	29.9072	-0.1647	0.195543
<i>Rab8a</i>	chr8:72161199-72183904	68.5128	74.5826	0.1225	0.338100
<i>Edc3</i>	chr9:57708539-57752499	13.5308	14.3290	0.0827	0.217386
<i>Klf23</i>	chr9:61917279-61946799	7.5584	8.1526	0.1092	0.116412
<i>Foxo4</i>	chrX:101254527-101260873	11.0173	11.9205	0.1137	0.263918
<i>Prps2</i>	chrX:167346321-167382749	43.5983	38.1373	-0.1931	0.279175
<i>Dscc1</i>	chr15:55076098-55090491	0.9605	1.1551	0.2662	0.239585
<i>Gm20405</i>	chr15:65857868-65858356	6.8617	4.7503	-0.5305	0.193010
<i>NA</i>	chr15:73095843-73096684	4.3378	5.2811	0.2839	0.260016
<i>Plec</i>	chr15:76170973-76232574	52.7679	47.4613	-0.1529	0.264863
<i>Phf11c</i>	chr14:59380832-59395381	17.9019	19.8402	0.1483	0.375937
<i>Gpr180</i>	chr14:118137126-118164232	8.9804	7.9731	-0.1716	0.134278
<i>Ndufv3</i>	chr17:31520114-31531321	38.1970	43.0214	0.1716	0.377074
<i>Nfkbie</i>	chr17:45555715-45563169	18.8293	17.1648	-0.1335	0.047883
<i>Zfp318</i>	chr17:46383730-46420920	13.0277	13.9256	0.0961	0.322316
<i>Pex6</i>	chr17:46711462-46725541	10.4427	9.4123	-0.1499	0.137570
<i>Tnfsf9</i>	chr17:57105384-57107757	1.1544	0.7875	-0.5518	0.167271
<i>Cript</i>	chr17:87025549-87035810	21.0391	18.5898	-0.1786	0.177527
<i>Impg2</i>	chr16:56204312-56273756	0.5174	0.4227	-0.2917	0.065946
<i>Fam168b</i>	chr1:34813218-34843065	67.8856	63.4476	-0.0975	0.034936
<i>Gm17017</i>	chr1:85641221-85650585	2.9420	2.4239	-0.2795	0.208765
<i>Gramd3</i>	chr18:56432131-56503792	105.6053	112.3101	0.0888	0.332012
<i>Ndor1</i>	chr2:25244820-25256022	17.4708	16.0114	-0.1258	0.144594
<i>NA</i>	chr2:73012853-73012927	11.5561	29.0321	1.3290	0.318838
<i>Cry2</i>	chr2:92403645-92434043	2.8169	2.5066	-0.1684	0.055195
<i>Ppm1j</i>	chr3:104781055-104786018	9.5719	11.1235	0.2167	0.343125
<i>Syde2</i>	chr3:145987869-146021720	1.2480	1.0587	-0.2373	0.033615
<i>Zmym4</i>	chr4:126861938-126968135	10.2481	10.8824	0.0866	0.226024
<i>Gm12631</i>	chr4:88033500-88034998	1.2094	1.7850	0.5616	0.173306
<i>Clhc1</i>	chr11:29547949-29578367	0.7239	0.9912	0.4534	0.326584
<i>Agtrap</i>	chr4:148077060-148088031	8.9083	8.0550	-0.1453	0.075634
<i>Mterf1a</i>	chr5:3890580-3893933	6.0643	6.7503	0.1546	0.229334
<i>4930469K13Rik</i>	chr11:33973960-34098554	13.5957	11.7500	-0.2105	0.037982
<i>Pcmt1</i>	chr10:7629372-7681136	12.6514	11.5133	-0.1360	0.099758
<i>Prdm4</i>	chr10:85891969-85916945	13.8752	14.9353	0.1062	0.328364
<i>Gm11998</i>	chr11:11557420-11579460	8.8795	7.4611	-0.2511	0.157858
<i>Gm17334</i>	chr11:53772280-53773187	44.4234	48.2493	0.1192	0.245249
<i>Pdlim4</i>	chr11:54054927-54069014	1.5437	1.1683	-0.4020	0.318442
<i>Senp3</i>	chr11:69673114-69682084	21.6166	19.7760	-0.1284	0.096124
<i>Gm15642</i>	chr11:109437171-109438145	4.9687	3.5485	-0.4857	0.082974
<i>Usp36</i>	chr11:118259650-118290244	10.6757	9.5333	-0.1633	0.255602
<i>Rps7</i>	chr12:28630846-28635953	12.1774	13.4773	0.1463	0.104900
<i>Xrcc3</i>	chr12:111803191-111813873	2.2621	1.8581	-0.2839	0.211556
<i>C530050E15Rik</i>	chr13:24631917-24638567	16.4844	19.0258	0.2069	0.473542
<i>Nudt9</i>	chr5:104046305-104065379	15.2109	16.7292	0.1373	0.286552
<i>Oasl1</i>	chr5:114923239-114937915	5.0697	7.1234	0.4906	0.259831
<i>Kntc1</i>	chr5:123749725-123821593	1.3883	1.7194	0.3086	0.451118
<i>Rbak</i>	chr5:143172185-143180775	7.2363	6.4921	-0.1566	0.086565
<i>Aimp2</i>	chr5:143902703-143909847	17.8254	19.3798	0.1206	0.225940
<i>Zfp655</i>	chr5:145231722-145247302	19.1860	17.2804	-0.1509	0.188337
<i>Clec2d</i>	chr6:129180614-129186534	426.6359	451.5927	0.0820	0.247485
<i>Tmem160</i>	chr7:16452778-16455489	27.9858	24.4218	-0.1965	0.207965
<i>Zfp780b</i>	chr7:27962707-27975368	6.4504	5.6665	-0.1869	0.159043
<i>Mrpl46</i>	chr7:78775235-78783531	18.5454	20.4489	0.1410	0.285681
<i>Btbd1</i>	chr7:81792074-81829431	19.1666	20.7264	0.1129	0.257952
<i>lqck</i>	chr7:118855759-118972652	0.4440	0.6063	0.4494	0.245452
<i>ltgax</i>	chr7:128129546-128150656	3.1271	4.6901	0.5848	0.271534
<i>Gm21182</i>	chr8:20556694-20557333	0.8564	1.3721	0.6800	0.173660

<i>Large</i>	chr8:72814598-73353540	0.1401	0.2058	0.5547	0.336129
<i>Nlrc5</i>	chr8:94472762-94527272	102.2291	93.4532	-0.1295	0.201223
<i>Spg7</i>	chr8:123062941-123097760	17.9945	16.4360	-0.1307	0.122266
<i>Fam214a</i>	chr9:74953052-75032468	14.3856	15.3173	0.0905	0.262302
<i>Xrn1</i>	chr9:95954759-96053027	25.6835	27.5741	0.1025	0.368579
<i>Tfdp2</i>	chr9:96196274-96323646	5.1371	4.5930	-0.1615	0.152898
<i>A530083I20Rik</i>	chr9:122885079-122903184	1.9195	1.5590	-0.3001	0.192779
<i>Apool</i>	chrX:112311333-112372755	5.3365	5.8757	0.1389	0.199517
<i>Tmem184b</i>	chr15:79360683-79403303	4.0652	4.8093	0.2425	0.377886
<i>Polr3a</i>	chr14:24448693-24487046	18.5078	17.0885	-0.1151	0.074069
<i>Zmiz1os1</i>	chr14:25455736-25461128	0.6660	0.8367	0.3293	0.136798
<i>Mettl6</i>	chr14:31478319-31495030	17.2463	15.6547	-0.1397	0.072973
<i>Lgals3</i>	chr14:47367750-47386160	2.0930	3.3091	0.6609	0.301623
<i>Traj48</i>	chr14:54169808-54169868	34.4396	24.3870	-0.4980	0.247986
<i>Mir686</i>	chr14:54616676-54616785	75.8778	63.1642	-0.2646	0.168934
<i>Zfp945</i>	chr17:22846696-22867134	13.8634	14.6922	0.0838	0.286357
<i>Igfals</i>	chr17:24878769-24882008	0.4550	0.6319	0.4738	0.116514
<i>Atf6b</i>	chr17:34647145-34655074	14.6924	13.2939	-0.1443	0.113017
<i>Unc5cl</i>	chr17:48454900-48539714	6.2050	7.2420	0.2229	0.402253
<i>Gm4707</i>	chr17:71458326-71460395	6.2177	5.1124	-0.2824	0.311463
<i>Fam98a</i>	chr17:75537085-75551946	8.8393	7.9749	-0.1485	0.063582
<i>Prkd3</i>	chr17:78949404-79020816	20.8760	21.9163	0.0702	0.179611
<i>Gm24201</i>	chr16:23110382-23110507	65.0827	76.3739	0.2308	0.308549
<i>Taf5</i>	chr19:47067747-47083479	10.7650	9.6912	-0.1516	0.119181
<i>Gm13684</i>	chr2:83737781-83759865	0.8769	0.6407	-0.4529	0.164438
<i>Phf21a</i>	chr2:92093116-92364666	12.0697	12.7862	0.0832	0.207946
<i>Cds2</i>	chr2:132263147-132312050	34.4075	31.5563	-0.1248	0.185806
<i>4921531C22Rik</i>	chr2:179975992-179979013	3.7938	4.5484	0.2617	0.406103
<i>1810062G17Rik</i>	chr3:36475936-36482299	1.3222	1.8128	0.4553	0.181856
<i>Zfp189</i>	chr4:49521175-49531517	4.3029	4.7904	0.1548	0.149185
<i>Fbxl18</i>	chr5:142866945-142895421	1.2718	1.1026	-0.2060	0.219142
<i>Wasl</i>	chr6:24613804-24665009	6.3986	7.1954	0.1693	0.421425
<i>Rpsud3</i>	chr6:113415318-113419348	5.2776	4.5842	-0.2032	0.095365
<i>Wnk1</i>	chr6:119923968-120038672	24.0465	26.8077	0.1568	0.463611
<i>Josd2</i>	chr7:44467979-44471652	11.2377	12.0956	0.1061	0.181707
<i>Gm22701</i>	chr8:110498851-110499127	31.3043	53.9515	0.7853	0.240710
<i>Slc25a14</i>	chrX:48623412-48662294	3.3511	2.8611	-0.2281	0.052784
<i>Msl3</i>	chrX:168654116-168673898	24.8991	26.4742	0.0885	0.158495
<i>Cenpj</i>	chr14:56526760-56571846	11.2789	12.0723	0.0981	0.189597
<i>Tsc22d1</i>	chr14:76414960-76507765	1.6614	1.4192	-0.2273	0.262399
<i>Rab40c</i>	chr17:25882113-25919727	5.4951	4.7625	-0.2064	0.212151
<i>Tfpi</i>	chr2:84432854-84476775	0.5394	0.7312	0.4389	0.316303
<i>A1847159</i>	chr2:129158665-129180667	4.7984	3.9269	-0.2892	0.219495
<i>Pgrmc2</i>	chr3:41066325-41083046	7.9566	7.1657	-0.1510	0.065541
<i>Zgrf1</i>	chr3:127553488-127618021	3.5811	3.9183	0.1298	0.316330
<i>Sept8</i>	chr11:53519256-53549565	0.4246	0.5838	0.4596	0.362588
<i>Lman2</i>	chr13:55343832-55362783	35.7655	33.0628	-0.1134	0.112762
<i>Fbxo24</i>	chr5:137612502-137629002	1.9832	1.6337	-0.2797	0.108726
<i>Dbp</i>	chr7:45705087-45710155	6.8664	7.5077	0.1288	0.185103
<i>Deptor</i>	chr15:55112316-55259271	0.1003	0.0638	-0.6542	0.120845
<i>Pigc</i>	chr1:161969185-162027106	5.6934	6.1503	0.1114	0.066384
<i>Cndp2</i>	chr18:84667469-84685633	24.7629	22.1047	-0.1638	0.231132
<i>Cep128</i>	chr12:90998491-91384409	1.5708	1.7143	0.1261	0.160642
<i>NA</i>	chr9:110037288-110040467	3.1492	3.6226	0.2020	0.329505
<i>Gm16259</i>	chr14:105292431-105292984	1.6256	2.2899	0.4943	0.100396
<i>Prdm15</i>	chr16:97791466-97851850	5.3536	4.8358	-0.1468	0.146185
<i>Ttbk2</i>	chr2:120732815-120850604	1.4214	1.6116	0.1812	0.310299
<i>Crb2</i>	chr2:37776248-37799103	0.0854	0.1355	0.6656	0.252321
<i>Abl2</i>	chr1:156558785-156649568	10.5653	9.5840	-0.1406	0.220590
<i>Samd1</i>	chr8:83997671-84000386	14.8034	16.2020	0.1302	0.288761
<i>Zc3h8</i>	chr2:128926267-128944077	10.3306	11.3195	0.1319	0.146734
<i>Myl6b</i>	chr10:128494156-128498685	3.9197	4.7009	0.2622	0.228921
<i>Tgds</i>	chr14:11811910-118132765	8.9651	7.9979	-0.1647	0.055868
<i>Gm26722</i>	chr4:129309080-129318443	25.4184	22.1596	-0.1979	0.230760
<i>Pfkl</i>	chr10:77986946-78010083	14.6535	13.2362	-0.1467	0.159796
<i>Gm4673</i>	chr7:30957408-30961619	4.0803	4.4734	0.1327	0.111279
<i>Hdgfrp3</i>	chr7:81881250-81934473	18.7048	20.3545	0.1219	0.356569
<i>Tmem80</i>	chr7:141327738-141337156	9.5008	8.5707	-0.1486	0.099780
<i>Dgkh</i>	chr14:78569608-78725089	1.2136	1.4808	0.2870	0.362459
<i>Gabpb2</i>	chr3:95181765-95217916	28.4091	26.3464	-0.1088	0.109453
<i>Emp1</i>	chr6:135362930-135383173	0.4173	0.6018	0.5281	0.322175

<i>Chaf1b</i>	chr16:93883900-93906115	5.1779	5.6362	0.1224	0.270352
<i>Cdc3711</i>	chr19:28990493-29017569	38.8224	35.4027	-0.1330	0.145070
<i>Mfn1</i>	chr3:32529464-32579239	4.7771	4.2999	-0.1518	0.090375
<i>Zfr2</i>	chr10:81233154-81252123	0.4842	0.3739	-0.3732	0.221729
<i>Iba57</i>	chr11:59155368-59163739	2.9852	2.5793	-0.2109	0.188159
<i>Nudc</i>	chr4:133532541-133545996	34.8530	39.1179	0.1665	0.371419
<i>Fam120c</i>	chrX:151344174-151471842	3.8553	3.4860	-0.1453	0.001340
<i>Chst11</i>	chr10:82985497-83195900	3.4886	5.0367	0.5298	0.284106
<i>Spag5</i>	chr11:78301528-78322457	1.2587	1.5582	0.3080	0.421718
<i>Cdc25a</i>	chr9:109875578-109893888	8.1953	7.3846	-0.1503	0.080490
<i>Kifc2</i>	chr15:76660640-76668196	4.7839	4.1860	-0.1926	0.160023
<i>Psmb5</i>	chr14:54614119-54617995	22.7406	19.6680	-0.2094	0.200451
<i>Dst</i>	chr1:33908224-34308652	0.1513	0.1202	-0.3325	0.270615
<i>Gm10822</i>	chr2:73892995-73900850	0.4447	0.2821	-0.6564	0.194628
<i>Zmynd8</i>	chr2:165784151-165899016	7.8308	8.5032	0.1188	0.377437
<i>Marcks1</i>	chr4:129513580-129515985	1.8612	2.3067	0.3096	0.258393
<i>Sin3b</i>	chr8:72723287-72758203	25.7353	23.5780	-0.1263	0.089370
<i>Anxa11</i>	chr14:25842182-25886804	7.7421	6.9472	-0.1563	0.151877
<i>Traj18</i>	chr14:54200776-54200842	47.3114	36.7214	-0.3656	0.180723
<i>Psmc5</i>	chr11:106256153-106263120	44.7795	40.4982	-0.1450	0.132867
<i>Pdcd2l</i>	chr7:34184498-34196661	11.6198	10.2657	-0.1788	0.073078
<i>Tjdp1</i>	chr8:13339673-13377702	16.3477	17.5518	0.1025	0.149954
<i>Gm26586</i>	chr8:72137388-72140820	22.3488	24.3391	0.1231	0.280778
<i>Fhod1</i>	chr8:105329162-105347953	5.8557	5.2219	-0.1653	0.180935
<i>Chmp1a</i>	chr8:123204263-123212763	25.1506	22.9791	-0.1303	0.137396
<i>Ccdc22</i>	chrX:7593808-7605517	10.9856	9.4039	-0.2243	0.298991
<i>Lage3</i>	chrX:74351275-74353618	7.2459	8.0878	0.1586	0.276864
<i>Jpx</i>	chrX:103493557-103506425	1.4033	1.6163	0.2038	0.231300
<i>Rictor</i>	chr15:6708380-6800398	53.9123	49.5665	-0.1212	0.144966
<i>Gm6034</i>	chr17:36042960-36058645	0.6397	0.4239	-0.5937	0.073179
<i>Dus3l</i>	chr17:56764750-56770092	25.2889	23.1071	-0.1302	0.095929
<i>Il1rap</i>	chr16:26581703-26730117	2.4980	2.7555	0.1415	0.334431
<i>Cpt1a</i>	chr19:3323300-3385732	19.9182	22.5945	0.1819	0.433791
<i>Tpx2</i>	chr2:152847963-152895321	2.8223	3.8107	0.4332	0.313928
<i>NA</i>	chr2:26912847-26912915	16.3303	10.5579	-0.6292	0.183038
<i>Ptpdc1</i>	chr13:48577872-48625573	0.4155	0.5727	0.4629	0.319955
<i>Letm1</i>	chr5:33739672-33782817	8.5340	7.7840	-0.1327	0.169754
<i>Nxn1</i>	chr8:71560555-71566649	1.6050	1.3008	-0.3032	0.130299
<i>Wdr48</i>	chr9:119894894-119926579	27.5174	28.8583	0.0686	0.144318
<i>Gpank1</i>	chr17:35121454-35124814	14.5695	16.1161	0.1456	0.320462
<i>Kat2b</i>	chr17:53566860-53672720	22.8355	20.8390	-0.1320	0.165949
<i>Ssh2</i>	chr11:77216286-77460220	33.7227	35.9609	0.0927	0.388857
<i>Gde1</i>	chr7:118688544-118705778	19.9803	17.9205	-0.1570	0.127635
<i>Rab1</i>	chr11:20201431-20226856	21.6766	19.6281	-0.1432	0.177026
<i>Cdc42se2</i>	chr11:54717455-54787675	82.4319	76.2006	-0.1134	0.090989
<i>P2rx5</i>	chr11:73160420-73172685	0.6613	0.4659	-0.5054	0.189583
<i>Mrps23</i>	chr11:88204387-88211507	33.6496	36.5714	0.1201	0.300061
<i>Rpl23</i>	chr11:9777526-97782437	205.9481	266.7982	0.3735	0.275677
<i>Crip1</i>	chr12:113152011-113153877	343.8998	304.0681	-0.1776	0.249771
<i>Galnt11</i>	chr5:25222881-25265918	14.9913	16.0949	0.1025	0.260684
<i>Myo18b</i>	chr5:112688875-112896362	0.1113	0.1716	0.6248	0.423614
<i>Setd1b</i>	chr5:123142192-123167435	1.8038	2.1769	0.2712	0.451317
<i>Ap1f</i>	chr6:87628428-87672168	2.9715	2.5497	-0.2208	0.104903
<i>Mapk3</i>	chr7:126759600-126765819	6.9747	7.8070	0.1627	0.270376
<i>Zfp771</i>	chr7:127244525-127254803	5.0823	4.1673	-0.2864	0.232113
<i>Irs2</i>	chr8:10986979-11008458	5.5779	6.4247	0.2039	0.397953
<i>Hp</i>	chr8:109575129-109579172	0.4867	0.7558	0.6351	0.338475
<i>Def8</i>	chr8:123442985-123463270	3.9130	3.4643	-0.1757	0.050243
<i>PrkcsH</i>	chr9:22003034-22014219	41.1215	37.6395	-0.1276	0.149135
<i>Dag1</i>	chr9:108205954-108263924	4.7160	5.3352	0.1780	0.364778
<i>9530027J09Rik</i>	chrX:48276791-48285426	17.4041	19.0395	0.1296	0.269833
<i>Tmsb15b1</i>	chrX:136974021-136976874	5.6024	4.0230	-0.4778	0.252066
<i>Drosha</i>	chr15:12824814-12935290	6.2139	6.6596	0.0999	0.190615
<i>Gm26884</i>	chr15:79689139-79692385	2.6138	2.1993	-0.2491	0.164736
<i>Fhit</i>	chr14:9550091-11162035	1.5029	1.1223	-0.4214	0.133232
<i>Gm25328</i>	chr14:20701522-20701629	8.7579	11.9571	0.4492	0.018951
<i>NA</i>	chr17:15010265-15022448	0.5534	0.3429	-0.6904	0.133123
<i>Gm20683</i>	chr17:25834464-25841763	15.2299	13.7721	-0.1452	0.153658
<i>Stk25</i>	chr1:93621901-93635722	26.4310	24.2183	-0.1261	0.080122
<i>Kifap3</i>	chr1:163779582-163917109	2.4910	2.1469	-0.2145	0.113300
<i>Ctnna1</i>	chr18:35118887-35254773	8.0273	8.7621	0.1264	0.305728

<i>Mex3c</i>	chr18:73573043-73592575	24.6279	22.4405	-0.1342	0.130475
<i>Spo11</i>	chr2:172977699-172993576	5.3091	4.5949	-0.2084	0.250139
<i>Ss18l1</i>	chr2:180042508-180070201	4.1158	3.6756	-0.1632	0.050800
<i>Cd1d2</i>	chr3:86986585-86989533	0.4951	0.7658	0.6294	0.186813
<i>Hdgf</i>	chr3:87906320-87916132	41.3050	44.4502	0.1059	0.325422
<i>Tm2d1</i>	chr4:98355369-98383306	8.2588	9.1895	0.1541	0.034640
<i>Dph2</i>	chr4:117888642-117892032	11.4885	10.1878	-0.1734	0.212215
<i>Epb4.1</i>	chr4:131923412-132075321	21.7751	22.9475	0.0757	0.241037
<i>Trav1</i>	chr14:52427927-52428874	1.4535	2.4786	0.7700	0.182168
<i>Hcfc1r1</i>	chr17:23673595-23675227	10.3643	12.2832	0.2451	0.362696
<i>Hdac1</i>	chr4:129516103-129542713	6.2959	5.6495	-0.1563	0.072236
<i>AW209491</i>	chr13:14630244-14638202	6.0955	5.2948	-0.2032	0.130166
<i>Anxa7</i>	chr14:20455260-20480133	29.6521	31.5194	0.0881	0.189502
<i>Slc25a30</i>	chr14:75761998-75787037	24.6912	22.4328	-0.1384	0.078528
<i>Trappc10</i>	chr10:78186724-78244642	27.8725	25.7004	-0.1171	0.138929
<i>VeZF1</i>	chr11:88068278-88084729	22.3336	23.6315	0.0815	0.211560
<i>Coil</i>	chr11:88970251-88991613	6.3653	5.6836	-0.1634	0.106161
<i>F2rl2</i>	chr13:95696852-95702739	1.8519	2.2501	0.2810	0.351110
<i>Tmem120a</i>	chr5:135735484-135744271	8.0518	8.9672	0.1553	0.222971
<i>Dnaja4</i>	chr9:54698872-54716315	3.5779	3.9519	0.1434	0.150407
<i>Trav15-1-dv6-1</i>	chr14:53559675-53560247	7.9169	9.5621	0.2724	0.022431
<i>Traj25</i>	chr14:54194814-54194871	47.0326	35.3983	-0.4100	0.229083
<i>Atg3</i>	chr16:45158784-45188538	21.9450	23.8503	0.1201	0.329229
<i>Gbe1</i>	chr16:70313948-70569716	6.2090	6.6896	0.1076	0.201817
<i>Hdlbp</i>	chr1:93405939-93478808	30.2102	31.7009	0.0695	0.190261
<i>Invs</i>	chr4:48279759-48431954	3.9638	3.6235	-0.1295	0.062803
<i>Atp2a3</i>	chr11:72961168-72993044	71.5502	65.3037	-0.1318	0.231185
<i>Stambp</i>	chr6:83543205-83572504	2.6137	3.0913	0.2421	0.275141
<i>Notch4</i>	chr17:34564267-34588503	1.3989	1.2040	-0.2165	0.178627
<i>Jmjd6</i>	chr11:116837431-116843449	21.7388	20.0692	-0.1153	0.057931
<i>Naa30</i>	chr14:49172225-49191031	18.4097	16.9046	-0.1231	0.135462
<i>Tmem50b</i>	chr16:91574502-91597800	10.8972	11.8633	0.1225	0.212675
<i>6030442K20Rik</i>	chr1:132466432-132477045	1.1513	1.4858	0.3680	0.223818
<i>Rpl12</i>	chr2:32961558-32964496	36.4503	32.8613	-0.1495	0.184325
<i>Ube2r2</i>	chr4:41135742-41193380	17.7585	19.1447	0.1084	0.296002
<i>Traj39</i>	chr14:54179961-54180024	50.3638	40.4289	-0.3170	0.025763
<i>Mx2</i>	chr16:97536082-97560899	3.2220	4.8523	0.5907	0.254911
<i>Pik3cd</i>	chr4:149649167-149702571	176.8182	163.9761	-0.1088	0.129000
<i>R74862</i>	chr7:143021783-143053686	0.6372	0.8258	0.3739	0.342573
<i>Comm4</i>	chr9:57155040-57158299	44.9815	40.0926	-0.1660	0.186577
<i>Vcp-rs</i>	chrX:104345828-104348234	1.8385	2.2225	0.2737	0.265130
<i>Adcy3</i>	chr12:4133102-4213525	12.4228	11.4515	-0.1175	0.098490
<i>Atm</i>	chr9:53439148-53536740	45.8382	41.7847	-0.1336	0.205137
<i>Limd1</i>	chr9:123478700-123521548	41.4541	38.4280	-0.1094	0.076451
<i>Utp14b</i>	chr1:78658037-78667588	2.0148	1.7111	-0.2357	0.110207
<i>2410006H16Rik</i>	chr11:62602876-62604807	130.9621	142.9405	0.1263	0.346705
<i>Kcnk6</i>	chr7:29221927-29232522	0.5097	0.6828	0.4219	0.294015
<i>Gm15790</i>	chr1:129796607-129797858	0.4834	0.7155	0.5657	0.067960
<i>Psmg3</i>	chr5:139823591-139826885	4.4661	3.8202	-0.2254	0.221215
<i>Trav4-3</i>	chr14:53598907-53599410	5.0858	3.7143	-0.4534	0.119170
<i>Myrf</i>	chr19:10208271-10240748	0.6298	0.5082	-0.3095	0.041814
<i>Praf2</i>	chrX:7728438-7731064	5.5130	6.4234	0.2205	0.308574
<i>Npepl1</i>	chr2:174110348-174123070	31.4306	33.5654	0.0948	0.334395
<i>Rsph9</i>	chr17:46122034-46144216	0.3862	0.5973	0.6289	0.337401
<i>Tbrg1</i>	chr9:37649181-37657312	42.7925	45.3164	0.0827	0.259827
<i>Arhgap30</i>	chr1:171388953-171410298	134.0023	124.2583	-0.1089	0.072315
<i>Gm561</i>	chr2:144594053-144595366	10.8038	8.4512	-0.3543	0.268532
<i>Eij5a</i>	chr11:69916713-69921958	73.0164	78.4282	0.1032	0.342963
<i>Pitpna</i>	chr11:75588096-75628804	46.3258	49.8928	0.1070	0.352937
<i>Appbp2os</i>	chr11:85235170-85238304	3.8340	4.8282	0.3326	0.269010
<i>Rnaseh1</i>	chr12:28649601-28659591	21.0071	22.7694	0.1162	0.272083
<i>Sav1</i>	chr12:69965011-69987002	8.4490	9.2768	0.1348	0.267013
<i>Prox2os</i>	chr12:85086373-85088228	1.9021	2.3586	0.3103	0.057044
<i>Crmp1</i>	chr5:37242079-37292132	0.3891	0.5116	0.3948	0.152893
<i>Zcchc4</i>	chr5:52775408-52824665	3.8039	3.4661	-0.1341	0.069925
<i>Ythdc1</i>	chr5:86804220-86836659	35.5995	32.5043	-0.1312	0.183330
<i>Utp3</i>	chr5:88554482-88556083	44.7330	49.9390	0.1588	0.379089
<i>Gm15846</i>	chr5:122438595-122438915	2.6320	3.7236	0.5005	0.076284
<i>Zfp664</i>	chr5:124862690-124902693	9.3532	8.4470	-0.1470	0.186441
<i>Mrpl51</i>	chr6:125191800-125195583	8.4849	9.3255	0.1363	0.303552
<i>Coa4</i>	chr7:100537099-100540369	5.7775	6.6565	0.2043	0.275392

Gm10073	chr8:106572965-106573461	5.9058	7.3661	0.3188	0.232400
Adamts7	chr9:90162977-90208071	0.5794	0.7134	0.3003	0.365368
Crtap	chr9:114375133-114390675	4.8354	4.1813	-0.2097	0.041108
Mid1ip1	chrX:10715012-10719690	8.8507	9.5998	0.1172	0.120629
Gm14584	chrX:53418330-53418967	1.9234	2.6168	0.4441	0.246532
Cxx1b	chrX:53669177-53670408	2.0164	1.5283	-0.3999	0.149651
Gpm6b	chrX:166238910-166388988	1.0237	1.1912	0.2187	0.287009
Rpl15	chr14:18267822-18271391	15.9267	17.4108	0.1285	0.307335
BC051537	chr17:34083842-34095309	4.2214	3.5931	-0.2325	0.053390
Mad2l1bp	chr17:46147389-46153553	16.0162	14.2416	-0.1694	0.123616
Pank1	chr19:34810893-34879455	0.9742	0.7590	-0.3600	0.221229
Nuf2	chr1:169497933-169531464	1.8038	2.2803	0.3382	0.425766
Gm26850	chr3:63963632-63968659	5.7072	4.9897	-0.1938	0.174948
Zranb3	chr1:127954183-128103047	1.8082	2.0709	0.1957	0.377482
Cd302	chr2:60251992-60284488	3.1457	2.5507	-0.3025	0.151523
Pkig	chr2:163658385-163726158	0.5713	0.4282	-0.4162	0.175229
Gm25296	chr11:48800865-48800932	32.6502	40.5140	0.3113	0.088792
Rims3	chr4:120854815-120896579	0.4432	0.5338	0.2683	0.162646
Pts	chr9:50521617-50528641	49.9554	44.9391	-0.1527	0.170188
Dnajc16	chr4:141760188-141790931	5.2458	4.7247	-0.1509	0.170877
Gm11870	chr4:16011004-16012326	3.9379	4.6299	0.2335	0.251191
Nfat5	chr8:107293469-107379517	3.4022	3.8252	0.1690	0.463156
Itm2c	chr1:85894280-85908675	32.2497	34.5361	0.0988	0.303761
Zcchc2	chr1:105990405-106034074	16.0920	17.3699	0.1102	0.398710
Oscp1	chr4:126058564-126092195	0.1784	0.1111	-0.6831	0.173298
Mapre1	chr2:153741273-153773310	21.3366	22.4672	0.0745	0.193123
Fancg	chr4:43002342-43010506	4.6276	4.0874	-0.1791	0.150701
Bphl	chr13:34037640-34074074	7.6363	6.6054	-0.2092	0.078220
Mttr12	chr15:12205027-12272240	21.1290	22.0111	0.0590	0.090981
Suv39h2	chr2:3455814-3475031	2.3912	2.6502	0.1484	0.171209
Gm17090	chr1:91305091-91321101	8.0610	6.4565	-0.3202	0.155166
Atp1b3	chr9:96332679-96364299	360.0637	373.0381	0.0511	0.175830
Mapk1ip1	chr7:138835822-138846273	9.8768	10.8556	0.1363	0.277911
Gm26610	chr7:30650384-30652711	1.1703	1.6512	0.4966	0.293533
Gm16044	chr7:128692688-128693138	3.9761	5.0992	0.3589	0.183459
Fam199x	chrX:137049593-137082503	5.4801	4.9677	-0.1416	0.137499
Zfp451	chr1:33760471-33814595	6.9118	6.2975	-0.1343	0.203543
Rps20	chr4:3831333-3835665	85.3618	73.7350	-0.2112	0.340677
Usp24	chr4:106316212-106441322	33.9947	31.2583	-0.1211	0.164823
Pdcd1g2	chr19:29410918-29471157	0.7089	0.9611	0.4391	0.210943
Mylpf	chr7:127211607-127214298	9.7158	8.3106	-0.2254	0.145215
Cmtm6	chr9:114731202-114749343	57.1903	53.4325	-0.0981	0.037295
ldh3g	chrX:73778962-73786897	42.4956	44.8863	0.0790	0.250690
Gm371	chrX:94997438-94998683	1.1614	1.5202	0.3884	0.154345
Wipi2	chr5:142629541-142670588	12.2620	11.2335	-0.1264	0.150617
Nudt15	chr14:73519863-73548242	0.5177	0.6905	0.4153	0.195924
Slc18a2	chr19:59260877-59296012	3.4487	4.0282	0.2241	0.445378
Apbb1ip	chr2:22774093-22875653	12.1156	13.3429	0.1392	0.454678
Vav2	chr2:27262103-27427033	1.6099	1.3862	-0.2158	0.189095
Lrrc41	chr4:116075268-116097043	9.5838	8.6858	-0.1419	0.117321
Ctp	chr4:155864722-155869440	5.2437	5.8073	0.1473	0.268547
Gpr107	chr2:31152315-31219548	6.1527	5.5534	-0.1479	0.221844
Crb3	chr17:57059104-57065918	0.7672	0.5280	-0.5392	0.138305
Pld4	chr12:112760654-112768986	0.6521	0.8652	0.4079	0.146258
Cradd	chr10:95174745-95324097	2.6939	2.2419	-0.2650	0.010784
Spats2l	chr1:57774161-57948394	0.2302	0.1499	-0.6186	0.426948
NA	chr11:85234774-85235223	5.0638	3.8910	-0.3801	0.056743
Poldip3	chr15:83125977-83149384	28.5283	26.6279	-0.0995	0.027148
Hibadh	chr6:52546227-52640389	19.3865	17.6605	-0.1345	0.078244
Ift88os	chr14:57506743-57510835	0.3215	0.4824	0.5853	0.170948
Mon2	chr10:122992060-123076505	17.0772	15.8253	-0.1098	0.099926
Chid1	chr7:141493135-141539857	3.5685	3.2277	-0.1448	0.157661
Olfm2	chr9:20667985-20728219	1.1756	0.8347	-0.4941	0.218241
Laptm4b	chr15:34238025-34284295	0.8213	0.5706	-0.5255	0.233367
Traj31	chr14:54187894-54187951	107.6031	91.5094	-0.2337	0.033063
Mettl5	chr2:69871197-69885615	15.7380	14.0272	-0.1660	0.209424
Triap1	chr5:115341224-115343569	13.2245	11.3414	-0.2216	0.229005
Gm12737	chr4:108513780-108516817	3.9955	4.9234	0.3013	0.212906
Rnd2	chr11:101464998-101471853	0.6730	0.9031	0.4243	0.186557
Vcpkmt	chr12:69577627-69583028	9.3302	10.5801	0.1814	0.310864
Atxn1	chr13:45549757-45964991	5.0857	5.7648	0.1808	0.462747

<i>Secisbp2</i>	chr13:51651696-51684044	19.8583	18.4348	-0.1073	0.056856
<i>4833439L19Rik</i>	chr13:54551217-54565435	11.9159	10.8769	-0.1316	0.089823
<i>Helq</i>	chr5:100762144-100798598	4.7325	4.2776	-0.1458	0.064553
<i>Snrnp35</i>	chr5:124483133-124491124	3.0388	3.5989	0.2441	0.185389
<i>Ints1</i>	chr5:139751281-139775678	17.2258	15.5223	-0.1502	0.272839
<i>4930599N23Rik</i>	chr6:39118407-39148312	8.3002	7.3692	-0.1716	0.119008
<i>Tgfb1i1</i>	chr7:128246811-128253712	0.6319	0.4828	-0.3882	0.116842
<i>Gtpbp3</i>	chr8:71488102-71499583	6.9914	6.3726	-0.1337	0.015487
<i>Tmem184c</i>	chr8:77595981-77610698	13.5044	14.6534	0.1178	0.280880
<i>Pla2g15</i>	chr8:106150398-106164713	3.7150	3.2122	-0.2098	0.138541
<i>Tmod3</i>	chr9:75497795-75559657	73.3306	79.1940	0.1110	0.349214
<i>Basp1</i>	chr15:25363284-25413764	3.8138	4.7381	0.3131	0.390755
<i>Ptk2</i>	chr15:73205104-73423191	0.6987	0.5506	-0.3437	0.221673
<i>Slc48a1</i>	chr15:97784354-97792692	8.5869	9.3379	0.1210	0.258237
<i>9930012K11Rik</i>	chr14:70154404-70159502	3.4846	2.9577	-0.2365	0.172799
<i>Ppp3cc</i>	chr14:70217897-70289449	62.3567	66.5399	0.0937	0.346580
<i>Cnm2</i>	chr19:46761595-46878795	2.7130	2.3339	-0.2172	0.167606
<i>Rnf25</i>	chr1:74593747-74601397	14.4260	15.3835	0.0927	0.087789
<i>Ppp2r5a</i>	chr1:191351980-191397041	156.6873	144.5254	-0.1166	0.129706
<i>Nek2</i>	chr1:191821443-191833050	1.1230	1.4668	0.3852	0.438263
<i>Mamdc4</i>	chr2:25563114-25574845	6.5773	5.9191	-0.1521	0.114727
<i>Gm13588</i>	chr2:38490103-38490238	8.4472	18.4329	1.1257	0.215290
<i>Gm9889</i>	chr3:115715149-115716727	5.4619	6.2167	0.1867	0.287331
<i>Alg14</i>	chr3:121291816-121362011	6.5865	7.4686	0.1813	0.022609
<i>Ndufaf6</i>	chr4:11051044-11076205	4.6198	5.2878	0.1948	0.163460
<i>Ptch2</i>	chr4:117096074-117116101	0.1790	0.1226	-0.5465	0.048969
<i>Zfp683</i>	chr4:134053837-134058996	3.0491	3.5565	0.2221	0.185556
<i>Rsg1</i>	chr4:141213955-141226756	0.9901	0.7497	-0.4013	0.011823
<i>Igfbp7</i>	chr5:77349239-77408045	0.8033	0.5102	-0.6547	0.185675
<i>Akip1</i>	chr7:109703689-109712189	8.2711	9.1700	0.1489	0.126360
<i>Gm22009</i>	chr3:69085104-69085447	5037.4057	6359.6424	0.3363	0.297869
<i>Zfp629</i>	chr7:127607030-127615797	1.4386	1.2368	-0.2181	0.159036
<i>Gm11579</i>	chr1:60776664-60781834	3.5044	4.2813	0.2889	0.279833
<i>Zfp703</i>	chr8:26977335-26981461	0.5556	0.7184	0.3706	0.226589
<i>Cops5</i>	chr1:10024601-10038127	19.0105	17.2375	-0.1412	0.170948
<i>Gm26771</i>	chr3:83773852-83789956	3.5946	2.9176	-0.3010	0.091860
<i>Sesn1</i>	chr10:41810573-41908424	50.8956	46.6795	-0.1248	0.145908
<i>Helb</i>	chr10:120083607-120112987	17.5423	16.3110	-0.1050	0.032051
<i>Top3a</i>	chr11:60740057-60777365	9.3447	8.5947	-0.1207	0.010614
<i>Cyp51</i>	chr5:4081144-4104746	13.5595	11.9573	-0.1814	0.301086
<i>Galnt2</i>	chr8:124231390-124345724	36.7055	33.7706	-0.1202	0.162127
<i>Ilf3</i>	chr9:21368018-21405361	24.6714	25.8402	0.0668	0.196914
<i>Zkscan7</i>	chr9:12288470-122896124	7.4965	6.5685	-0.1906	0.206392
<i>Utp14a</i>	chrX:48256861-48282453	29.0811	31.1760	0.1004	0.315406
<i>Phf8</i>	chrX:151520671-151633859	8.7346	9.2144	0.0772	0.279819
<i>Zfp946</i>	chr17:22424221-22456689	1.4648	1.7205	0.2321	0.195715
<i>Lin9</i>	chr1:180641149-180690518	8.9171	9.7316	0.1261	0.289450
<i>Phyhd1</i>	chr2:30266202-30301080	5.9872	5.3368	-0.1659	0.089589
<i>E2f2</i>	chr4:136172393-136196057	6.8558	6.0759	-0.1742	0.261921
<i>Rpl3</i>	chr15:80077780-80083406	86.3021	96.8524	0.1664	0.434729
<i>Mlec</i>	chr5:115142980-115158179	54.0944	50.7699	-0.0915	0.051202
<i>Hivep2</i>	chr10:13966378-14151376	21.0156	22.3566	0.0892	0.407591
<i>Gm26740</i>	chr10:22187012-22302835	52.5105	48.0780	-0.1272	0.184651
<i>Ascc3</i>	chr10:50592668-50851202	34.1506	36.1108	0.0805	0.317388
<i>Tysnd1</i>	chr10:61695513-61702773	13.4827	12.2479	-0.1386	0.097437
<i>Gucd1</i>	chr10:75351110-75517972	13.0272	11.8818	-0.1328	0.153672
<i>Appl2</i>	chr10:83600032-83648738	20.0946	18.3446	-0.1315	0.165285
<i>Gm25745</i>	chr10:86705315-86705448	16.2544	12.2630	-0.4065	0.169066
<i>Gm11969</i>	chr11:6182678-6183034	2.3752	3.3552	0.4983	0.181731
<i>Mpg</i>	chr11:32226504-32232700	8.1299	8.7582	0.1074	0.295204
<i>Vdac1</i>	chr11:52360859-52389397	20.7988	22.2321	0.0961	0.285293
<i>Map2k3os</i>	chr11:60920916-60931867	0.9795	0.6978	-0.4893	0.049696
<i>Ulk2</i>	chr11:61775648-61855073	14.3951	15.2174	0.0801	0.309112
<i>Akap10</i>	chr11:61871306-61930252	13.7204	12.4004	-0.1459	0.232827
<i>Ttc19</i>	chr11:62281472-62328451	6.7139	7.3043	0.1216	0.357233
<i>Per1</i>	chr11:69095216-69109960	3.1098	3.4258	0.1396	0.313029
<i>Gp1ba</i>	chr11:70639121-70642036	3.2232	2.8079	-0.1990	0.019626
<i>Wdr81</i>	chr11:75440943-75454717	7.9787	7.1861	-0.1510	0.250176
<i>Msl1</i>	chr11:98795515-98807859	22.0659	20.3417	-0.1174	0.151267
<i>Jup</i>	chr11:100368957-100397763	0.4403	0.3496	-0.3330	0.073009
<i>Caskin2</i>	chr11:115799182-115813639	0.3468	0.4365	0.3318	0.180750

<i>Sept9</i>	chr11:117199660-117362325	45.7055	42.0081	-0.1217	0.177748
<i>Gm11767</i>	chr11:119935802-119942698	3.2735	2.3360	-0.4868	0.205570
<i>Strn3</i>	chr12:51608540-51691914	27.4473	28.9753	0.0782	0.215470
<i>Arhgap5</i>	chr12:52516076-52567852	10.0705	10.8853	0.1123	0.299737
<i>Psm3</i>	chr12:70974620-70996347	10.0119	8.9649	-0.1594	0.216552
<i>Gskip</i>	chr12:105685351-105703047	8.8325	7.8874	-0.1633	0.144167
<i>Cdca4</i>	chr12:112820236-112829389	33.5916	31.0604	-0.1130	0.065223
<i>Crip2</i>	chr12:113140235-113145504	0.8613	1.1631	0.4335	0.192613
<i>Cdca7l</i>	chr12:117804288-117878706	16.4392	17.5592	0.0951	0.306513
<i>Pfkip</i>	chr13:6579767-6648777	28.8035	30.0211	0.0597	0.327008
<i>Hist1h4b</i>	chr13:23756936-23757427	18.3797	15.7639	-0.2215	0.186887
<i>Uqcrfs1</i>	chr13:30540307-30545362	48.8653	43.4787	-0.1685	0.245705
<i>Lym4</i>	chr13:35978796-36117357	8.7771	9.6841	0.1419	0.208064
<i>Ssr1</i>	chr13:37971400-37994190	14.2408	14.8092	0.0565	0.132388
<i>Slc35b3</i>	chr13:38932139-38960875	24.2827	22.0094	-0.1418	0.195041
<i>Ninj1</i>	chr13:49187484-49196244	3.7439	4.3873	0.2288	0.329868
<i>Gm25394</i>	chr13:49684300-49684433	37.0254	21.7778	-0.7657	0.272577
<i>Ctla2b</i>	chr13:60895350-60897447	11.8388	13.9372	0.2354	0.420154
<i>9430065F17Rik</i>	chr13:67553233-67564009	0.6414	0.9141	0.5112	0.279148
<i>Pde8b</i>	chr13:95024453-95250336	0.4583	0.5661	0.3046	0.316966
<i>Pik3r1</i>	chr13:101680760-101768217	49.4950	46.0191	-0.1051	0.092011
<i>Gzma</i>	chr13:113093824-113100979	22.7512	36.0233	0.6630	0.271975
<i>Paip1</i>	chr13:119428600-119458218	22.0617	20.0494	-0.1380	0.191473
<i>Crygn</i>	chr5:24751002-24758008	1.8058	2.3561	0.3837	0.207723
<i>Xrcc2</i>	chr5:25689811-25705825	1.9664	1.6687	-0.2368	0.276502
<i>Gm15820</i>	chr5:54094000-54095041	2.2956	2.9442	0.3590	0.146769
<i>Cops4</i>	chr5:100518308-100547803	14.0534	15.0912	0.1028	0.316391
<i>Pcgf3</i>	chr5:108461231-108506976	5.7184	6.0805	0.0886	0.278903
<i>Gm26718</i>	chr5:110259162-110269847	27.7072	25.1294	-0.1409	0.109066
<i>Tesc</i>	chr5:118027742-118061878	4.7585	3.9045	-0.2854	0.294341
<i>Rnft2</i>	chr5:118190735-118245116	0.1163	0.1779	0.6131	0.283475
<i>Ptpn11</i>	chr5:121130532-121191397	15.1970	14.2227	-0.0956	0.004804
<i>Pitpnm2</i>	chr5:124118689-124249760	3.9197	4.3126	0.1378	0.439527
<i>Kctd7</i>	chr5:130144860-130155806	1.2496	1.0556	-0.2434	0.038910
<i>Zkscan1</i>	chr5:138085083-138107822	16.2819	17.0633	0.0676	0.157662
<i>Cnpy4</i>	chr5:138187484-138193918	11.4284	10.2234	-0.1608	0.156047
<i>Akr1b3</i>	chr6:34303933-34317497	7.6300	6.8419	-0.1573	0.143859
<i>Trbj1-6</i>	chr6:41535553-41535606	301.5388	328.7165	0.1245	0.238197
<i>Repin1</i>	chr6:48593882-48599082	0.8063	1.0181	0.3366	0.322427
<i>Fbxo41</i>	chr6:85469573-85502994	0.3084	0.4076	0.4024	0.357356
<i>Fancd2</i>	chr6:113531681-113597017	0.6838	0.8115	0.2470	0.377467
<i>Tmcc1</i>	chr6:116018617-116193486	3.6381	3.3040	-0.1390	0.044723
<i>Ncapd2</i>	chr6:125168008-125191595	12.1396	13.2652	0.1279	0.432989
<i>Asun</i>	chr6:146549631-146577835	30.1269	27.5892	-0.1269	0.159200
<i>Zfp579</i>	chr7:4983482-4996158	1.3280	1.5631	0.2351	0.283731
<i>Igfbp3</i>	chr7:19937304-19950743	1.4481	1.1213	-0.3690	0.185480
<i>Phldb3</i>	chr7:24611327-24629288	3.4149	2.8308	-0.2706	0.318135
<i>NA</i>	chr7:27988274-28014115	14.9140	13.3396	-0.1610	0.227391
<i>Fan1</i>	chr7:64346757-64374095	3.7573	4.1168	0.1318	0.312886
<i>Kctd21</i>	chr7:97332326-97350213	1.1679	0.9362	-0.3191	0.126138
<i>2210018M11Rik</i>	chr7:98590614-98656569	17.3941	18.5190	0.0904	0.313894
<i>Pgm2l1</i>	chr7:100227393-100278868	7.9060	7.1500	-0.1450	0.202354
<i>Gm25683</i>	chr7:118153479-118153610	7.4406	10.5757	0.5073	0.256358
<i>Lcmt1</i>	chr7:123377981-123430358	11.5955	9.8863	-0.2301	0.298396
<i>Tnfrsf26</i>	chr7:143607684-143627845	41.8154	44.9136	0.1031	0.377596
<i>Shcbp1</i>	chr8:4735979-4779534	1.6411	2.0959	0.3529	0.402838
<i>Cln8</i>	chr8:14881334-14901720	1.4005	1.2028	-0.2197	0.232642
<i>Thap1</i>	chr8:26158211-26162940	5.7177	6.4574	0.1755	0.182902
<i>Mfhas1</i>	chr8:35587797-35679449	9.0762	8.3384	-0.1223	0.132276
<i>Upf1</i>	chr8:70331521-70353273	31.8228	28.4802	-0.1601	0.299317
<i>Tmem38a</i>	chr8:72572102-72587282	1.3738	1.1021	-0.3179	0.010893
<i>Tom1</i>	chr8:75033685-75070121	0.4540	0.6287	0.4697	0.272025
<i>Lonp2</i>	chr8:86624042-86723873	32.4998	33.8151	0.0572	0.123749
<i>Papd5</i>	chr8:88199212-88259722	23.0673	24.3243	0.0765	0.273933
<i>Brd7</i>	chr8:88331038-88362194	20.3408	21.4411	0.0760	0.227598
<i>Amfr</i>	chr8:93971587-94012663	40.9048	37.4676	-0.1266	0.226035
<i>Gm20388</i>	chr8:119910840-124345722	39.6743	36.5543	-0.1182	0.158220
<i>Ubl5</i>	chr9:20642877-20647140	26.4813	28.8711	0.1247	0.363330
<i>Gm24067</i>	chr9:20889483-20889568	16.7047	21.5670	0.3686	0.079031
<i>Acad8</i>	chr9:26974134-26999566	6.0870	5.4171	-0.1682	0.178088
<i>Pafah1b2</i>	chr9:45965310-45984871	29.0142	30.3304	0.0640	0.105200

<i>Rexo2</i>	chr9:48468513-48480611	58.6691	64.8609	0.1447	0.376954
<i>Clk3</i>	chr9:57750710-57765860	40.4887	43.1412	0.0915	0.328696
<i>Ttk</i>	chr9:83834688-83872390	0.7902	1.0757	0.4450	0.430541
<i>Zbtb38</i>	chr9:96682762-96752831	7.6662	8.0812	0.0761	0.270866
<i>Wdr82</i>	chr9:106170928-106191706	68.8898	64.1520	-0.1028	0.054937
<i>Amt</i>	chr9:108296852-108301571	2.8072	2.3479	-0.2578	0.036206
<i>Impdh2</i>	chr9:108560533-108565519	12.0956	10.6419	-0.1847	0.173274
<i>Tma7</i>	chr9:109077987-109082381	26.1809	21.9129	-0.2567	0.347706
<i>Snrk</i>	chr9:122117282-122169702	22.7978	21.2444	-0.1018	0.065965
<i>Cxcr6</i>	chr9:123806476-123811754	68.0956	54.5681	-0.3195	0.269544
<i>Gpkow</i>	chrX:7697130-7710262	10.2773	9.3643	-0.1342	0.131215
<i>Atp6ap2</i>	chrX:12587800-12617049	24.7473	22.3112	-0.1495	0.226119
<i>Gpr34</i>	chrX:13632088-13640858	6.5959	7.6024	0.2049	0.423584
<i>Stk26</i>	chrX:50841046-50893097	33.7851	35.8855	0.0870	0.311426
<i>Dnase111</i>	chrX:74273216-74282337	6.1295	5.2404	-0.2261	0.275865
<i>Dlg3</i>	chrX:100767721-100818410	3.1163	2.7798	-0.1649	0.108043
<i>Ercc6l</i>	chrX:102141715-102157091	1.9421	1.6841	-0.2057	0.162615
<i>Tsc22d3</i>	chrX:140539527-140600659	93.9770	83.5392	-0.1699	0.286183
<i>Sepp1</i>	chr15:3268546-3280508	62.1434	68.2808	0.1359	0.384809
<i>Fam84b</i>	chr15:60818995-60825080	5.4323	5.8508	0.1071	0.307938
<i>Gm20717</i>	chr15:64098316-64100886	1.1449	1.6552	0.5318	0.028513
<i>1700088E04Rik</i>	chr15:79134654-79141251	7.8970	6.7032	-0.2365	0.255967
<i>Maff</i>	chr15:79347540-79359072	1.2983	1.5825	0.2856	0.151043
<i>Racgap1</i>	chr15:99620495-99651656	18.9652	20.1548	0.0878	0.360554
<i>Cog3</i>	chr14:75702350-75754493	24.1218	25.4615	0.0780	0.297116
<i>Agpat4</i>	chr17:12118703-12219645	6.0503	5.3479	-0.1780	0.178310
<i>Zfp760</i>	chr17:21707740-21725636	7.0592	6.3190	-0.1598	0.181982
<i>Bak1</i>	chr17:27019809-27029009	19.4428	21.3648	0.1360	0.394900
<i>Itpr3</i>	chr17:27057303-27122223	31.2379	28.6493	-0.1248	0.236280
<i>Nfkbil1</i>	chr17:35220174-35235792	7.5598	8.5090	0.1706	0.331419
<i>Ndc80</i>	chr17:71496099-71526857	6.5438	7.2469	0.1472	0.314434
<i>Fbxo11</i>	chr17:87990858-88065291	21.0611	22.7268	0.1098	0.396413
<i>Prkdc</i>	chr16:15637865-15842235	20.2702	18.3045	-0.1472	0.276378
<i>Cox17</i>	chr16:38346990-38352763	10.3063	10.9468	0.0870	0.222847
<i>Cblb</i>	chr16:52031548-52208047	17.7178	19.4369	0.1336	0.456810
<i>Nxpe3</i>	chr16:55839952-55895279	3.0624	2.6993	-0.1821	0.235342
<i>Ccdc88b</i>	chr19:6844622-6858211	43.7615	40.2025	-0.1224	0.196156
<i>Zfp91</i>	chr19:12763659-12796126	17.4747	18.4175	0.0758	0.243864
<i>2410127L17Rik</i>	chr19:18670779-18704788	1.9134	2.2612	0.2410	0.126196
<i>Kif11</i>	chr19:37376402-37421859	5.2820	6.9163	0.3889	0.349839
<i>Exoc6</i>	chr19:37550417-37683245	27.2936	28.6451	0.0697	0.198390
<i>Hells</i>	chr19:38930914-38971051	5.5339	5.9370	0.1014	0.299292
<i>Chuk</i>	chr19:44073334-44107480	25.8040	23.4046	-0.1408	0.231805
<i>Efhc1</i>	chr1:20951625-20990838	0.4323	0.2851	-0.6005	0.112751
<i>Zap70</i>	chr1:36761860-36782816	86.1262	79.2624	-0.1198	0.160751
<i>Cflar</i>	chr1:58711507-58758884	24.9200	23.3118	-0.0962	0.018488
<i>Stk16</i>	chr1:75210837-75215606	20.5774	19.0414	-0.1119	0.064089
<i>Tmem37</i>	chr1:120067376-120074074	0.9794	1.4107	0.5264	0.269116
<i>Zbtb41</i>	chr1:139422382-139453005	8.3731	8.8679	0.0828	0.261152
<i>Gas5</i>	chr1:161034421-161038539	128.2318	137.6070	0.1018	0.363986
<i>Mir5117</i>	chr1:161037355-161037439	29.8743	36.7149	0.2975	0.200896
<i>Parp1</i>	chr1:180568954-180601253	45.3340	42.0834	-0.1073	0.080101
<i>Marc2</i>	chr1:184813067-184846451	16.4827	15.2462	-0.1125	0.059009
<i>Zfp438</i>	chr18:5210030-5334439	2.1018	2.4100	0.1974	0.212561
<i>Ythdc2</i>	chr18:44828664-44889720	11.0392	11.7719	0.0927	0.305219
<i>Optn</i>	chr2:5020641-5064051	0.2124	0.2984	0.4908	0.181444
<i>Vim</i>	chr2:13573926-13582826	179.3915	187.7133	0.0654	0.336837
<i>Sapcd2</i>	chr2:25372320-25378213	0.2950	0.4464	0.5975	0.355470
<i>Gpsm1</i>	chr2:26315514-26348237	4.1840	3.7099	-0.1735	0.212319
<i>Brd3</i>	chr2:27445578-27507662	6.4343	5.8107	-0.1471	0.217198
<i>Rasgrp1</i>	chr2:117279992-117343001	87.4531	91.3478	0.0629	0.300253
<i>Serinc4</i>	chr2:121439058-121456781	13.2541	12.1409	-0.1266	0.088768
<i>Ckap2l</i>	chr2:129268209-129297212	1.5580	1.9377	0.3147	0.400577
<i>Fastkd5</i>	chr2:130613839-130630027	11.6431	10.4552	-0.1553	0.184873
<i>Pcna</i>	chr2:132249161-132253314	34.7903	37.0250	0.0898	0.331281
<i>Kif16b</i>	chr2:142617473-142901531	10.1609	10.7163	0.0768	0.183496
<i>Dstn</i>	chr2:143915319-143943324	10.6310	11.4794	0.1108	0.189516
<i>2500004C02Rik</i>	chr2:153341156-153346073	4.1512	3.5930	-0.2083	0.108469
<i>Gm14168</i>	chr2:156571791-156577457	0.6318	0.8505	0.4288	0.197309
<i>Ncoa3</i>	chr2:165992635-166073242	24.2458	25.5495	0.0756	0.340219
<i>Arfip1</i>	chr3:84496092-85887516	16.8054	17.8815	0.0895	0.220800

<i>Isg20l2</i>	chr3:87930313-87940686	34.3226	31.4130	-0.1278	0.172269
<i>Gba</i>	chr3:89202927-89208681	36.2996	38.4971	0.0848	0.318140
<i>S100a8</i>	chr3:90669070-90670034	9.2687	16.6353	0.8438	0.349332
<i>S100a10</i>	chr3:93555079-93564643	192.6720	211.2852	0.1330	0.400893
<i>Fam212b</i>	chr3:105704598-105720842	2.2942	2.6044	0.1829	0.301019
<i>Elovl6</i>	chr3:129532385-129638495	8.4933	7.5704	-0.1660	0.282714
<i>Ctbs</i>	chr3:146450469-146465849	5.2154	5.7364	0.1374	0.279657
<i>Decr1</i>	chr4:15917239-15945507	4.6326	5.0669	0.1293	0.273348
<i>Dnajb5</i>	chr4:42949813-42959425	1.9000	2.1080	0.1499	0.214899
<i>Gm12454</i>	chr4:43504427-43508747	0.8210	1.1153	0.4420	0.011885
<i>Fam221b</i>	chr4:43659621-43669145	0.9789	1.5005	0.6162	0.227992
<i>Rpsa-ps11</i>	chr4:59162267-59163156	13.9094	15.5022	0.1564	0.244980
<i>1700018M17Rik</i>	chr4:59549153-59549625	24.9238	28.7604	0.2066	0.365160
<i>E130308A19Rik</i>	chr4:59626210-59761439	0.6647	0.7447	0.1640	0.210959
<i>Mtap</i>	chr4:89137121-89181081	19.3138	20.3734	0.0771	0.118911
<i>Cmpk1</i>	chr4:114959335-114987241	18.5104	19.7209	0.0914	0.256640
<i>Tnfrsf9</i>	chr4:150914561-150946102	7.0381	8.1409	0.2100	0.432555
<i>Pop4</i>	chr7:38262819-38271348	26.0956	28.0164	0.1025	0.276217
<i>Strap</i>	chr6:137735077-137751932	34.4538	31.5115	-0.1288	0.162902
<i>Ppm1b</i>	chr17:84956740-85023991	13.2703	12.1400	-0.1284	0.159988
<i>4833418N02Rik</i>	chr17:87274885-87282814	1.4650	1.7355	0.2445	0.264875
<i>Spata5</i>	chr3:37419895-37579096	20.4455	21.6323	0.0814	0.265427
<i>Tomm40l</i>	chr1:171217801-171222514	10.2384	9.1780	-0.1577	0.196467
<i>Capzb</i>	chr4:139192898-139291818	56.6612	60.9379	0.1050	0.384007
<i>Smu1</i>	chr4:40736541-40757923	45.5511	48.6687	0.0955	0.328983
<i>Pdcl3</i>	chr1:38987813-38997236	18.5980	20.7257	0.1563	0.379596
<i>Snrpd3</i>	chr10:75518041-75535440	39.2026	43.1233	0.1375	0.316569
<i>Lmtk2</i>	chr5:144100435-144188204	10.6912	9.6803	-0.1433	0.275689
<i>Dennd6b</i>	chr15:89182216-89196474	6.1669	5.5393	-0.1549	0.171949
<i>Cln7</i>	chr17:25133390-25162104	10.1409	9.2455	-0.1334	0.199132
<i>D3Ertd751e</i>	chr3:41742610-41759389	5.0165	5.4100	0.1090	0.200388
<i>Mark3</i>	chr12:111574509-111656227	41.3422	38.4316	-0.1053	0.072632
<i>Nudt21</i>	chr8:94017769-94037021	5.7419	4.9233	-0.2219	0.266409
<i>Mcoln3</i>	chr3:146117458-146141806	5.6336	4.9295	-0.1926	0.225646
<i>Lsm3</i>	chr6:91515927-91522625	27.1934	30.0816	0.1456	0.398763
<i>3000002C10Rik</i>	chr9:109827942-109832706	1.2765	1.0675	-0.2580	0.099972
<i>Reep2</i>	chr18:34840588-34847463	4.1405	3.5402	-0.2260	0.178637
<i>Osbpl6</i>	chr2:76406507-76600647	0.1144	0.0717	-0.6740	0.274550
<i>C1d</i>	chr11:17257578-17269176	8.6202	9.3303	0.1142	0.325328
<i>Qdpr</i>	chr5:45434031-45450235	16.1927	14.6031	-0.1491	0.121631
<i>Nyap1</i>	chr5:137730882-137741607	0.6341	0.5039	-0.3314	0.074869
<i>Tmie</i>	chr9:110865710-110880113	12.1162	10.1827	-0.2508	0.374535
<i>Ccnj</i>	chr19:40831278-40848572	4.4671	4.9126	0.1372	0.353337
<i>Sbspon</i>	chr1:15853861-15892722	0.6022	0.7694	0.3536	0.201720
<i>Snx27</i>	chr3:94497543-94582716	11.4065	10.3386	-0.1418	0.243105
<i>Gm12481</i>	chr4:43663948-43664408	9.3522	14.3937	0.6221	0.227336
<i>Mrps15</i>	chr4:126046924-126055532	28.2755	30.5300	0.1107	0.362690
<i>Dnajb9</i>	chr12:44205896-44210068	7.5670	8.7120	0.2033	0.469730
<i>Nr1d2</i>	chr14:18204053-18239127	10.4356	11.2189	0.1044	0.301535
<i>Gm15859</i>	chr16:4729868-4730809	2.5921	3.2333	0.3189	0.091338
<i>Kjf5b</i>	chr18:6201001-6242174	49.9563	45.9603	-0.1203	0.187701
<i>Gm5422</i>	chr10:31248139-31251045	0.4098	0.2610	-0.6509	0.275379
<i>E130307A14Rik</i>	chr10:39621411-39732007	4.9773	5.3882	0.1144	0.384863
<i>Gm12057</i>	chr11:22758593-22859544	2.2930	2.7796	0.2776	0.367775
<i>Atp6v0a1</i>	chr11:101009451-101063719	0.1297	0.1883	0.5377	0.280170
<i>Taco1os</i>	chr11:106065076-106066305	1.8868	1.3404	-0.4932	0.108505
<i>Csnk1d</i>	chr11:120961748-120991330	29.2338	27.0991	-0.1094	0.161601
<i>Gm15996</i>	chr12:111730093-111731831	1.3933	1.8661	0.4216	0.143020
<i>Trmt44</i>	chr5:35557205-35575070	5.3356	4.8231	-0.1457	0.073835
<i>Grpel1</i>	chr5:36464997-36474080	19.8434	18.2657	-0.1195	0.078601
<i>Rmnd5a</i>	chr6:71388633-71440637	42.0557	39.2040	-0.1013	0.073911
<i>Gm23751</i>	chr6:125121723-125121859	7.3357	10.3059	0.4905	0.321940
<i>Htatip2</i>	chr7:49759105-49773999	9.3170	8.1408	-0.1947	0.197044
<i>Aagab</i>	chr9:63602654-63641889	28.3200	25.7319	-0.1383	0.192642
<i>Haus7</i>	chrX:73437314-73459044	11.1546	12.0991	0.1173	0.104780
<i>Tab3</i>	chrX:85574021-85634469	3.7518	4.0652	0.1158	0.332968
<i>NA</i>	chr15:78913918-78919517	11.1146	10.0415	-0.1465	0.047870
<i>4930570N19Rik</i>	chr14:26628406-26638183	6.7910	5.5689	-0.2862	0.113833
<i>1600002H07Rik</i>	chr17:24215053-24220851	3.9550	3.4098	-0.2140	0.179669
<i>Dis3l2</i>	chr1:86703803-87050097	14.8340	15.7084	0.0826	0.241501
<i>Nfatc1</i>	chr18:80606204-80713071	10.0666	11.0621	0.1360	0.457036

<i>Atp5c1</i>	chr2:10056015-10080510	106.1775	114.8956	0.1138	0.387597
<i>Commd7</i>	chr2:153616932-153632781	9.2914	9.8556	0.0850	0.246294
<i>Gm14252</i>	chr2:156332316-156339381	0.3822	0.2622	-0.5434	0.226313
<i>Ppid</i>	chr3:79591341-79603650	29.1495	30.7566	0.0774	0.292524
<i>Plekho1</i>	chr3:95988428-95996001	22.1468	24.4746	0.1442	0.409884
<i>Tdrd7</i>	chr4:45965333-46034761	1.2014	1.4867	0.3074	0.428889
<i>Ldlrap1</i>	chr4:134744734-134768024	25.5325	23.4263	-0.1242	0.197658
<i>Slc25a10</i>	chr11:120491839-120499187	2.4651	2.1300	-0.2108	0.106328
<i>Snrpg</i>	chr6:86371582-86378902	56.8561	47.7156	-0.2529	0.337334
<i>Gm24616</i>	chr16:23111616-23111755	94.6609	107.3791	0.1819	0.368638
<i>Chchd10</i>	chr10:75935572-75937725	7.0457	8.5149	0.2732	0.384451
<i>Med31</i>	chr11:72211723-72215592	5.2732	5.9047	0.1632	0.190947
<i>Pctp</i>	chr11:89982664-90002894	3.4477	2.9045	-0.2473	0.289082
<i>Tlk2</i>	chr11:105178806-105283959	17.6466	18.5066	0.0686	0.184764
<i>Prps113</i>	chr12:57230411-57239882	47.1717	42.7344	-0.1425	0.218345
<i>Aldh6a1</i>	chr12:84430722-84450950	9.1998	8.4027	-0.1307	0.061448
<i>Spin1</i>	chr13:51100879-51152546	15.0228	13.9419	-0.1077	0.021241
<i>Emilin1</i>	chr5:30913401-30921278	2.4285	2.6939	0.1497	0.314973
<i>Naa25</i>	chr5:121397935-121444378	14.5058	13.2961	-0.1256	0.186843
<i>Abtb1</i>	chr6:88835914-88841935	24.1247	21.8533	-0.1427	0.204758
<i>Pex5</i>	chr6:124396815-124415067	9.7834	8.9077	-0.1353	0.135999
<i>Pld3</i>	chr7:27531999-27553218	45.7961	42.1523	-0.1196	0.166998
<i>Atp4a</i>	chr7:30712208-30725535	0.2521	0.1615	-0.6420	0.198668
<i>Gm15470</i>	chr7:41490350-41491721	2.0222	2.5439	0.3311	0.402132
<i>Eftud1</i>	chr7:82648613-82777852	10.7059	11.2724	0.0744	0.126137
<i>Knop1</i>	chr7:118842221-118856254	13.8181	12.7527	-0.1158	0.093178
<i>Zfp764</i>	chr7:127403667-127406822	7.6982	8.3865	0.1236	0.248055
<i>Psmc13</i>	chr7:140881967-140898643	19.9813	18.2415	-0.1314	0.164547
<i>Cars</i>	chr7:143557229-143600090	8.3195	8.9366	0.1032	0.279551
<i>Gtf2e2</i>	chr8:33731913-33777173	13.8687	12.5029	-0.1496	0.108044
<i>Psd3</i>	chr8:67689081-68062286	0.3941	0.3338	-0.2395	0.131938
<i>Tmem221</i>	chr8:71554302-71558871	7.1989	6.1658	-0.2235	0.283240
<i>Ranbp10</i>	chr8:105768307-105827350	11.1046	12.2017	0.1359	0.433278
<i>Zfp558</i>	chr9:18455574-18478268	0.4831	0.3532	-0.4518	0.205283
<i>Sik3</i>	chr9:46012819-46224194	5.3264	5.9079	0.1495	0.465696
<i>Rab11a</i>	chr9:64715298-64737758	16.5687	15.2117	-0.1233	0.080277
<i>Ppp2r3a</i>	chr9:101104991-101251832	2.7227	2.4342	-0.1616	0.172409
<i>Naa10</i>	chrX:73916872-73921944	17.5272	16.2113	-0.1126	0.082363
<i>Slc25a17</i>	chr15:81318920-81360765	24.8055	22.2956	-0.1539	0.218329
<i>Mta3</i>	chr17:83706162-83821516	23.8055	25.2513	0.0851	0.355678
<i>Gm608</i>	chr16:44173245-44227465	6.1855	6.7183	0.1192	0.457638
<i>Slc35a5</i>	chr16:45139572-45158706	6.4566	6.9935	0.1152	0.358108
<i>Stard4</i>	chr18:33199354-33213862	4.8910	4.3809	-0.1589	0.204796
<i>Kbtbd4</i>	chr2:90904739-90911626	14.2355	12.9910	-0.1320	0.107030
<i>Phc3</i>	chr3:30899294-30969415	12.0172	12.9948	0.1128	0.450408
<i>Zfp639</i>	chr3:32515294-32520685	38.4335	40.8364	0.0875	0.257588
<i>Klf24</i>	chr4:41390744-41464887	1.1616	1.0015	-0.2139	0.188967
<i>Gm12693</i>	chr4:94935620-94936103	3.2329	4.2466	0.3935	0.278334
<i>Jak1</i>	chr4:101152366-101265282	189.4819	197.5549	0.0602	0.366780
<i>Mettl4-ps1</i>	chr17:71526895-71556543	0.2939	0.4447	0.5972	0.255468
<i>Cops6</i>	chr5:138161070-138164646	15.1952	13.9505	-0.1233	0.035872
<i>Hcfc2</i>	chr10:82696159-82742428	10.0042	9.0480	-0.1449	0.215861
<i>Tnfsf11</i>	chr14:78277444-78308043	0.9663	0.6856	-0.4950	0.321743
<i>Wdr59</i>	chr8:111448783-111522107	6.2870	5.7229	-0.1356	0.109422
<i>Gm16166</i>	chr10:120928185-120928972	1.3324	1.9374	0.5401	0.304308
<i>Adcy1</i>	chr11:7063488-7178506	0.2138	0.1680	-0.3473	0.127457
<i>Alkbh1</i>	chr12:87425839-87443839	20.3860	18.8356	-0.1141	0.151444
<i>Adck5</i>	chr15:76576357-76595816	6.2813	5.6599	-0.1503	0.119466
<i>4930402H24Rik</i>	chr2:130706199-130906406	2.9076	2.6318	-0.1438	0.180208
<i>Fdx1</i>	chr9:51943306-51963533	10.6903	9.3151	-0.1987	0.062056
<i>Klhl20</i>	chr1:161088374-161131511	7.8049	8.3135	0.0911	0.366768
<i>Rpsa-ps9</i>	chr2:28477165-28478050	3.9673	3.2431	-0.2908	0.053432
<i>Mcu</i>	chr10:59446983-59616692	2.1004	2.3173	0.1418	0.340395
<i>Slc17a9</i>	chr2:180725262-180742280	19.6108	20.9778	0.0972	0.352755
<i>Mmp17</i>	chr5:129584168-129608875	0.3142	0.2236	-0.4906	0.145259
<i>mt-Tp</i>	chrM:15355-15422	13.1257	19.9226	0.6020	0.403604
<i>Slc35e1</i>	chr8:72480640-72492614	24.3788	22.4565	-0.1185	0.175888
<i>Gm10097</i>	chr10:5069191-5071975	0.9926	0.7896	-0.3301	0.109202
<i>4933424L21Rik</i>	chr11:57623697-57649494	1.4709	1.0878	-0.4352	0.210190
<i>Sp6</i>	chr11:97013393-97024734	0.8239	0.6527	-0.3361	0.176314
<i>Esyt2</i>	chr12:116281221-116373096	102.1272	92.7419	-0.1391	0.289852

<i>Plk-ps1</i>	chr5:35554183-35555971	2.7630	2.2741	-0.2809	0.214483
<i>Chic2</i>	chr5:75001025-75044774	8.2037	8.7646	0.0954	0.282621
<i>Coq2</i>	chr5:100654722-100675140	14.0370	12.8849	-0.1236	0.050201
<i>Ankle2</i>	chr5:110231003-110256651	28.9381	26.6804	-0.1172	0.179329
<i>Foxp1</i>	chr6:98925337-99522721	30.6652	32.4148	0.0801	0.398156
<i>Zfp787</i>	chr7:6131488-6155971	7.0455	6.1711	-0.1912	0.182463
<i>Lig1</i>	chr7:13277282-13311433	4.4391	4.8803	0.1367	0.393293
<i>Sipa1l3</i>	chr7:29320371-29518641	1.0929	1.2340	0.1752	0.430908
<i>Z610021A01Rik</i>	chr7:41599260-41628533	13.1305	13.8421	0.0761	0.174569
<i>Bax</i>	chr7:45461694-45466898	52.3162	47.6058	-0.1361	0.138325
<i>Gm10655</i>	chr9:61370796-61372193	0.9288	1.2774	0.4597	0.334175
<i>Gm8116</i>	chr9:78820422-78821892	0.5407	0.7596	0.4903	0.198567
<i>Rbm10</i>	chrX:20617502-20650901	15.1331	16.1902	0.0974	0.303466
<i>Fam122b</i>	chrX:53243414-53269805	2.1774	2.4595	0.1758	0.349724
<i>Map3k15</i>	chrX:159988432-160123351	11.2450	12.0008	0.0939	0.290554
<i>Fam186b</i>	chr15:99271017-99287180	0.6631	0.8180	0.3028	0.185522
<i>Slc4a7</i>	chr14:14703024-14799943	7.4560	8.1586	0.1299	0.462962
<i>Zfp871</i>	chr17:32771235-32788287	23.1761	25.8859	0.1595	0.526389
<i>Mapk1</i>	chr16:16983381-17047453	36.8908	34.0210	-0.1168	0.180030
<i>Gm20518</i>	chr16:17835276-17891671	15.9229	14.4192	-0.1431	0.261248
<i>Sp110</i>	chr1:85576898-85598817	26.4972	27.4914	0.0531	0.200358
<i>Cntn2</i>	chr1:132509424-132542940	0.1405	0.0998	-0.4937	0.133053
<i>Phax</i>	chr18:56562442-56587712	22.8487	24.7047	0.1127	0.353768
<i>Gata3</i>	chr2:9857077-9890034	4.4095	5.0556	0.1973	0.429258
<i>BC005624</i>	chr2:30972832-30982201	16.0565	17.4186	0.1175	0.367177
<i>Wdr38</i>	chr2:38997475-39006168	2.9774	2.5695	-0.2126	0.137193
<i>Celf1</i>	chr2:90940381-91019497	27.0612	24.9479	-0.1173	0.202408
<i>Lin7c</i>	chr2:109890852-109901003	31.5325	33.8375	0.1018	0.368391
<i>Zfp770</i>	chr2:114193460-114201469	4.3490	4.6862	0.1077	0.246143
<i>Ehd4</i>	chr2:120089174-120154606	2.1123	2.4473	0.2123	0.391691
<i>Lmna</i>	chr3:88481147-88509956	1.2230	1.4293	0.2248	0.242661
<i>Gm12404</i>	chr4:41520693-41525823	0.4534	0.6420	0.5017	0.225400
<i>Hook1</i>	chr4:95967239-96025413	7.6295	8.0630	0.0797	0.225125
<i>Hic1</i>	chr11:75164564-75169519	0.4488	0.5762	0.3605	0.264348
<i>Srek1ip1</i>	chr13:104792483-104839274	5.8804	6.4827	0.1407	0.323628
<i>Gm1070</i>	chr6:71293764-71302718	0.2316	0.3320	0.5194	0.094091
<i>Aldh16a1</i>	chr7:45140683-45154584	5.6376	5.1335	-0.1351	0.124878
<i>Lrrc27</i>	chr7:139212987-139242979	0.7644	0.5858	-0.3839	0.251114
<i>NA</i>	chr8:71674956-71676674	1.0426	1.3435	0.3657	0.287841
<i>Eef1a1</i>	chr9:78478448-78489151	1973.2745	2121.7495	0.1047	0.392185
<i>Usp4</i>	chr9:108347830-108392529	42.6114	40.0345	-0.0900	0.012693
<i>Uhrf1bp1</i>	chr17:27856489-27900040	0.8119	0.6886	-0.2377	0.196289
<i>Gtf2a1</i>	chr12:91555915-91590487	8.6456	9.0889	0.0721	0.169814
<i>Dguok</i>	chr6:83480216-83506969	19.9364	20.9431	0.0711	0.011162
<i>Gm26737</i>	chr9:44112922-44121947	0.4126	0.2675	-0.6254	0.203515
<i>Ccdc12</i>	chr9:110656502-110711590	30.1100	26.4765	-0.1855	0.267069
<i>Dnase1</i>	chr16:4036941-4040024	6.9322	6.0142	-0.2049	0.308254
<i>Trpc4ap</i>	chr2:155634270-155692384	27.9960	26.2160	-0.0948	0.071328
<i>Klf2c</i>	chr4:117159638-117182639	0.9215	1.1381	0.3045	0.403419
<i>Stamos</i>	chr2:14070331-14073934	0.7942	1.1462	0.5292	0.104158
<i>Mob3c</i>	chr4:115828091-115836185	15.4759	14.1980	-0.1243	0.110836
<i>Ndnf</i>	chr6:65671589-65706930	0.3090	0.4172	0.4331	0.386723
<i>Psmc2</i>	chr5:21785282-21803787	13.6108	12.5189	-0.1206	0.117770
<i>Dpp3</i>	chr19:4907228-4928287	29.9419	27.8018	-0.1070	0.084147
<i>Ube2w</i>	chr1:16540789-16619489	6.0212	6.4256	0.0938	0.209104
<i>Cryz</i>	chr3:154597196-154623182	0.8792	1.1035	0.3278	0.245878
<i>Gm22485</i>	chr14:27489268-27489377	6.0607	8.9359	0.5601	0.208667
<i>9530082P21Rik</i>	chr17:23743233-23754065	2.5380	2.2370	-0.1821	0.140993
<i>Arpc5</i>	chr1:152766541-152775597	154.0713	164.5349	0.0948	0.351181
<i>Zscan30</i>	chr18:23970974-23981555	2.8016	2.0062	-0.4818	0.344343
<i>Actl6a</i>	chr3:32708545-32726968	29.8140	27.2869	-0.1278	0.155608
<i>Anapc16</i>	chr10:59987408-60003135	17.5690	16.1147	-0.1247	0.155306
<i>Lcorl</i>	chr5:45697180-45857615	3.7350	4.0235	0.1073	0.321481
<i>1110065P20Rik</i>	chr4:124849484-124850730	4.9546	4.1759	-0.2467	0.023340
<i>Snord42b</i>	chr11:78183055-78183124	22.4492	28.7616	0.3575	0.161902
<i>Alyref</i>	chr11:120592120-120598365	20.3554	21.8443	0.1018	0.378791
<i>Mir150</i>	chr7:45121756-45121821	18.5442	12.2087	-0.6031	0.326016
<i>Mesdc1</i>	chr7:83880494-83884341	4.7092	4.1830	-0.1709	0.209775
<i>2010204K13Rik</i>	chrX:7411816-7445143	1.0821	0.7988	-0.4379	0.182120
<i>Ttc7</i>	chr17:87282885-87381769	26.1444	23.8978	-0.1296	0.262083
<i>Pmepa1</i>	chr2:173224457-173276533	3.0727	3.3646	0.1309	0.292705

<i>Ccrn4l</i>	chr3:51224446-51251644	2.5921	2.2900	-0.1788	0.300982
<i>Gale</i>	chr4:135963726-135968178	3.7828	3.2263	-0.2296	0.252122
<i>Arl10</i>	chr13:54575014-54581128	3.1386	2.6639	-0.2366	0.042224
<i>Herc4</i>	chr10:63243796-63317881	47.1770	43.6719	-0.1114	0.161543
<i>Arid3a</i>	chr10:79927042-79955018	2.4469	2.1165	-0.2093	0.250477
<i>BC048403</i>	chr10:121739936-121752878	2.1327	2.4959	0.2269	0.357635
<i>Gm20563</i>	chr13:62006665-62006941	2.1861	3.1723	0.5371	0.126489
<i>Stx18</i>	chr5:38038741-38137765	6.4066	6.7991	0.0858	0.058131
<i>Lfng</i>	chr5:140607340-140615543	202.3601	183.9342	-0.1377	0.282101
<i>Trbv15</i>	chr6:41141210-41141658	107.9092	115.9767	0.1040	0.305470
<i>Rybp</i>	chr6:100228565-100287441	3.4746	3.8081	0.1322	0.293340
<i>Ppp6r1</i>	chr7:4631500-4658950	109.4188	101.5786	-0.1073	0.143154
<i>Prmt3</i>	chr7:49778345-49858265	31.2859	28.7264	-0.1231	0.159424
<i>Oxsr1</i>	chr9:119238431-119322427	18.4069	19.3031	0.0686	0.223807
<i>P2ry10</i>	chrX:107088491-107104974	70.9431	75.6820	0.0933	0.380083
<i>Gm22392</i>	chr15:44432594-44432701	9.1341	6.1704	-0.5659	0.161173
<i>Rrp36</i>	chr17:46667457-46674255	25.3865	23.0479	-0.1394	0.130335
<i>Gm9320</i>	chr17:70853766-70875965	2.0891	1.3654	-0.6135	0.226674
<i>Il10rb</i>	chr16:91406163-91425834	25.1617	26.4186	0.0703	0.320439
<i>Trak2</i>	chr1:58900448-58973430	20.5667	19.2262	-0.0972	0.087035
<i>Abcb6</i>	chr1:75171716-75180392	2.3774	2.6583	0.1611	0.395015
<i>Sap130</i>	chr18:31634370-31723061	8.8870	9.7273	0.1303	0.416202
<i>Pced1a</i>	chr2:130417246-130424701	8.5179	9.0020	0.0798	0.237189
<i>Zfp937</i>	chr2:150218072-150240725	0.7278	0.9289	0.3519	0.288779
<i>Trib3</i>	chr2:152337421-152344032	0.5392	0.6977	0.3719	0.005800
<i>Pdpf</i>	chr2:181187246-181188771	16.5954	14.6148	-0.1834	0.260838
<i>Mccc1</i>	chr3:35959311-36000678	1.5536	1.7014	0.1311	0.341316
<i>Syt11</i>	chr3:88744699-88775164	10.9133	9.9229	-0.1373	0.251127
<i>Cd2</i>	chr3:101275898-101287939	261.1891	274.1901	0.0701	0.323801
<i>Runx3</i>	chr4:135120651-135177990	8.6643	9.5931	0.1469	0.464380
<i>Mpeg1</i>	chr19:12460778-12465284	0.4047	0.5726	0.5007	0.427267
<i>3300002A11Rik</i>	chr12:99341153-99361827	1.3363	0.9084	-0.5568	0.136937
<i>Uimc1</i>	chr13:55027879-55100300	21.1456	22.1267	0.0654	0.273642
<i>Carkd</i>	chr8:11497505-11514960	12.9993	12.0276	-0.1121	0.053460
<i>NA</i>	chr8:85432685-85433315	1.8772	1.3279	-0.4994	0.101246
<i>RbmX</i>	chrX:57383529-57393036	41.3812	38.0370	-0.1216	0.209657
<i>Gm10250</i>	chr15:5120601-5121172	9.2014	7.7182	-0.2536	0.169090
<i>Cnih1</i>	chr14:46775581-46788411	21.3524	22.6565	0.0855	0.170173
<i>Guca1b</i>	chr17:47385392-47392967	1.3280	1.0729	-0.3077	0.146940
<i>Rbm8a</i>	chr3:96629927-96633779	12.9489	14.1050	0.1234	0.369265
<i>Pnma1</i>	chr12:84146130-84148489	0.8413	0.6319	-0.4130	0.255747
<i>Nek9</i>	chr12:85299513-85339362	25.7696	24.0533	-0.0994	0.100584
<i>Hist1h2bj</i>	chr13:22043213-22043676	12.9897	15.2719	0.2335	0.421270
<i>Cit</i>	chr5:115845277-116008947	0.3407	0.4421	0.3757	0.504305
<i>Retsat</i>	chr6:72598474-72608425	2.9768	3.2965	0.1472	0.249654
<i>Stard10</i>	chr7:101317085-101346626	1.4991	1.7943	0.2593	0.298089
<i>Mrps31</i>	chr8:22411339-22429665	14.4661	15.6239	0.1111	0.269998
<i>Smad1</i>	chr8:79338394-79399518	5.4375	5.8818	0.1133	0.338256
<i>Zfp809</i>	chr9:22225713-22243197	22.3725	20.3330	-0.1379	0.102860
<i>BC004004</i>	chr17:29268787-29302881	6.5600	6.9544	0.0842	0.259474
<i>Myl12b</i>	chr17:70973919-70990787	154.7726	168.6287	0.1237	0.420200
<i>Usp16</i>	chr16:87454702-87483517	12.9856	12.0218	-0.1113	0.111902
<i>Scyl3</i>	chr1:163929099-163955126	14.1417	13.1043	-0.1099	0.127498
<i>Gm26538</i>	chr18:34796894-34803484	2.8349	3.1609	0.1570	0.317707
<i>Fech</i>	chr18:64456549-64489066	7.5832	8.2246	0.1171	0.251054
<i>Snx21</i>	chr2:164785822-164793816	3.4004	3.0287	-0.1670	0.174084
<i>Cd96</i>	chr16:46035656-46120251	145.7227	151.7627	0.0586	0.273367
<i>Serpini1</i>	chr3:75557546-75643495	6.4196	5.7624	-0.1558	0.252697
<i>Kmo</i>	chr1:175620380-175662116	0.2173	0.2864	0.3986	0.084638
<i>Tpgs1</i>	chr10:79669409-79676126	13.1831	14.9234	0.1789	0.422354
<i>2610024D14Rik</i>	chr11:21099533-21099827	22.3311	17.9569	-0.3145	0.344574
<i>Itpk1</i>	chr12:102568581-102704929	12.6822	13.4833	0.0884	0.293819
<i>Cenpp</i>	chr13:49464026-49652746	2.1986	2.6487	0.2687	0.168416
<i>Txndc15</i>	chr13:55714649-55726221	30.9098	27.8188	-0.1520	0.245713
<i>Usp30</i>	chr5:114100332-114123506	9.2509	9.8230	0.0866	0.153481
<i>Gpr133</i>	chr5:129096749-129204599	0.3541	0.4254	0.2646	0.281594
<i>1110019D14Rik</i>	chr6:13871525-14044373	1.1464	1.4554	0.3442	0.299079
<i>Dfna5</i>	chr6:50189368-50263862	0.7697	0.8918	0.2125	0.370454
<i>Aak1</i>	chr6:86849516-86991864	7.3376	7.9912	0.1231	0.448864
<i>Stk38l</i>	chr6:146724994-146778812	3.6964	3.3226	-0.1538	0.079871
<i>Ndn12</i>	chr7:64867051-64872997	4.9589	4.4496	-0.1563	0.194142

<i>Gm17137</i>	chr7:126164032-126168403	2.3168	1.9659	-0.2370	0.319713
<i>Gm16982</i>	chr7:141610065-141613747	3.9440	3.4225	-0.2046	0.213869
<i>Slc25a42</i>	chr8:70184339-70212305	0.9470	1.0892	0.2018	0.332205
<i>Gm15775</i>	chr8:124324777-124331795	4.8589	6.1919	0.3498	0.442512
<i>Sfmbt1</i>	chr14:30714848-30822713	1.6324	1.7880	0.1314	0.235765
<i>Trav12-2</i>	chr14:53616314-53616912	13.8332	11.3536	-0.2850	0.265672
<i>Wdr4</i>	chr17:31494322-31519974	7.1989	6.6247	-0.1199	0.073189
<i>Gm15879</i>	chr16:4032838-4037847	5.6601	4.5945	-0.3009	0.327207
<i>Dgcr6</i>	chr16:18052859-18071632	1.0272	0.8275	-0.3119	0.117590
<i>Jak2</i>	chr19:29251827-29313080	53.0432	55.0435	0.0534	0.223541
<i>Gorasp2</i>	chr2:70661575-70712636	19.3465	20.7322	0.0998	0.382680
<i>Bnipl</i>	chr3:95241270-95251193	0.3846	0.5402	0.4904	0.250164
<i>Toe1</i>	chr4:116794309-116807640	16.0388	14.4645	-0.1491	0.257515
<i>Dcdc2b</i>	chr4:129608330-129614257	9.5879	8.3911	-0.1924	0.218555
<i>Rpap2</i>	chr5:107597372-107661838	11.6424	12.2762	0.0765	0.236572
<i>Unc93b1</i>	chr19:3935185-3949340	3.4283	3.9019	0.1867	0.400986
<i>Zfp397</i>	chr18:23954687-23964671	38.1963	34.2794	-0.1561	0.341122
<i>Gm9888</i>	chr9:114780099-114782257	5.8647	6.8723	0.2287	0.339959
<i>Ticam1</i>	chr17:56269318-56276786	3.1741	3.5496	0.1613	0.288726
<i>Cpne3</i>	chr4:19519253-19570108	11.0482	11.9092	0.1083	0.409420
<i>Orc4</i>	chr2:48902823-48950277	12.0717	12.8919	0.0948	0.364326
<i>Ptpn6</i>	chr6:124720706-124738714	125.0285	134.3777	0.1040	0.421466
<i>Uchl4</i>	chr9:64235200-64236362	2.7811	3.3173	0.2544	0.222486
<i>Ccb1</i>	chr2:30185123-30205847	5.7620	5.0777	-0.1824	0.203134
<i>Smarcc2</i>	chr10:128459235-128490173	24.3782	26.1203	0.0996	0.433784
<i>Rita1</i>	chr5:120594304-120612589	1.5180	1.2605	-0.2682	0.163729
<i>9330179D12Rik</i>	chr6:127149388-127212411	1.8369	2.2241	0.2759	0.295683
<i>Plcx2</i>	chr16:45959262-46010218	24.8583	26.1197	0.0714	0.359759
<i>Mrps2</i>	chr2:28468065-28471178	11.4174	12.1128	0.0853	0.188240
<i>Fubp1</i>	chr3:152210457-152236830	89.2115	82.9395	-0.1052	0.146342
<i>Snx30</i>	chr4:59805839-59904737	4.8096	5.1894	0.1097	0.347667
<i>Gm13789</i>	chr5:114363414-114365357	23.0735	20.6575	-0.1596	0.095206
<i>Slc25a22</i>	chr7:141429738-141437892	6.9983	6.3271	-0.1455	0.208238
<i>Gm5915</i>	chr8:105660333-105660787	2.4079	3.3617	0.4814	0.365542
<i>Slc35g2</i>	chr9:100552192-100571085	2.3707	1.9516	-0.2807	0.116399
<i>Gemin6</i>	chr17:80224440-80228497	5.5218	4.3990	-0.3280	0.406499
<i>Gm15133</i>	chr7:104315018-104324838	6.9248	5.6507	-0.2933	0.364871
<i>Fam65b</i>	chr13:24582188-24733816	78.6364	74.0090	-0.0875	0.065056
<i>Edc4</i>	chr8:105880880-105894908	19.8706	18.3637	-0.1138	0.190562
<i>Lpxn</i>	chr19:12798605-12833807	58.5477	53.5311	-0.1292	0.223138
<i>Syde1</i>	chr10:78584502-78591964	3.2357	2.7785	-0.2198	0.250652
<i>Plxnc1</i>	chr10:94790865-94944578	5.8265	6.3334	0.1203	0.450801
<i>Lyrn9</i>	chr11:78826583-78846870	5.2907	4.8238	-0.1333	0.199254
<i>Cacnb1</i>	chr11:98001507-98023034	2.2263	1.9048	-0.2249	0.330084
<i>Dnmt3a</i>	chr12:3806006-3914443	7.0217	6.5775	-0.0943	0.015539
<i>Daam1</i>	chr12:71831077-71992367	2.3269	2.5532	0.1339	0.286254
<i>Slc38a6</i>	chr12:73286778-73354049	1.0517	0.9139	-0.2026	0.102492
<i>Polr3g</i>	chr13:81673842-81711013	7.4249	8.0093	0.1093	0.288671
<i>Gm9828</i>	chr13:98316421-98324415	11.1383	12.7616	0.1963	0.449635
<i>Tbc1d14</i>	chr5:36490603-36593276	4.3934	4.7351	0.1081	0.405283
<i>Ociad2</i>	chr5:73322198-73338947	0.2901	0.4092	0.4961	0.151154
<i>Adam1a</i>	chr5:121518575-121521695	2.2914	1.9648	-0.2219	0.156442
<i>Cdk2ap1</i>	chr5:124345416-124354671	1.4644	1.1618	-0.3340	0.189058
<i>Gm16599</i>	chr5:136274995-136417894	2.0430	1.6286	-0.3270	0.067522
<i>Ufsp1</i>	chr5:137294668-137295664	1.9410	2.4692	0.3473	0.298722
<i>Malsu1</i>	chr6:49073794-49086751	7.2357	7.8441	0.1165	0.306547
<i>Zfp239</i>	chr6:117862099-117873291	1.9705	2.2428	0.1868	0.324401
<i>Klrd1</i>	chr6:129591781-129598775	178.3886	161.8328	-0.1405	0.280728
<i>Zscan22</i>	chr7:12897814-12909083	2.8890	3.2691	0.1783	0.358178
<i>Ccdc114</i>	chr7:45924071-45948956	0.3537	0.2666	-0.4075	0.220709
<i>Zfp553</i>	chr7:127233060-127238179	14.3485	13.0528	-0.1365	0.217311
<i>AA386476</i>	chr8:47675390-47677055	4.1855	3.6064	-0.2148	0.086287
<i>Uba52</i>	chr8:70508262-70510801	5.8021	5.0240	-0.2077	0.171353
<i>Cul5</i>	chr9:53614581-53670014	15.4221	14.2902	-0.1100	0.127122
<i>Pfkfb4</i>	chr9:108991901-109032223	1.5935	1.3594	-0.2292	0.144423
<i>Ccr4</i>	chr9:114490315-114496544	0.6911	0.5159	-0.4216	0.214258
<i>Foxp3</i>	chrX:7579675-7595243	4.1199	3.6066	-0.1920	0.273514
<i>Ube2a</i>	chrX:36874357-36884215	16.0216	14.4989	-0.1441	0.154155
<i>Klhl4</i>	chrX:114474332-114560829	0.5782	0.7688	0.4110	0.341957
<i>Glt8d1</i>	chr14:31001392-31012441	5.1673	4.5284	-0.1904	0.198022
<i>Kctd4</i>	chr14:75955002-75965217	1.7871	2.1105	0.2400	0.440141

<i>Rap2a</i>	chr14:120478460-120507194	2.6350	2.2654	-0.2181	0.292059
<i>Hn1l</i>	chr17:24942155-24960636	7.3108	7.9163	0.1148	0.319028
<i>D17H6553E</i>	chr17:35126372-35128855	18.8395	17.2689	-0.1256	0.101534
<i>Arhgap31</i>	chr16:38598339-38713274	4.0447	3.5116	-0.2039	0.403121
<i>Gm26792</i>	chr19:46335286-46338538	3.3567	2.9217	-0.2003	0.191799
<i>5830416P10Rik</i>	chr19:53441211-53464796	5.2300	5.8114	0.1521	0.466331
<i>5830428H23Rik</i>	chr19:61053839-61140840	12.0533	10.9147	-0.1431	0.274361
<i>Tmem70</i>	chr1:16665206-16678275	15.8171	14.1685	-0.1588	0.216369
<i>Fam124b</i>	chr1:80198705-80218473	0.7801	0.5789	-0.4303	0.341584
<i>Snrpd1</i>	chr18:10617795-10628230	38.7046	44.2717	0.1939	0.469686
<i>ldh3b</i>	chr2:130279308-130284547	46.5963	48.6869	0.0633	0.263204
<i>Gm11802</i>	chr4:6688168-6704160	4.2721	3.4167	-0.3223	0.089157
<i>Raver2</i>	chr4:101068982-101152370	6.2086	6.6155	0.0916	0.331619
<i>Atp13a2</i>	chr4:140986872-141007330	6.0090	5.4146	-0.1503	0.263030
<i>Cdk13</i>	chr11:52004220-52089784	1.5957	1.7640	0.1447	0.152593
<i>Scpep1</i>	chr11:88924019-88955465	2.0677	2.4211	0.2276	0.345551
<i>Myl4</i>	chr11:104550662-104595753	0.2969	0.3869	0.3820	0.290754
<i>Tbc1d16</i>	chr11:119143044-119228499	3.0780	2.6989	-0.1896	0.282492
<i>Gm26698</i>	chr12:86891403-86892567	5.7751	4.8641	-0.2477	0.175408
<i>Ccnk</i>	chr12:108179737-108203359	7.3244	8.0941	0.1442	0.435425
<i>Noa1</i>	chr5:77294181-77310084	8.2511	7.5820	-0.1220	0.070264
<i>Whamm</i>	chr7:81571291-81596836	10.6682	11.3300	0.0868	0.237434
<i>Ppm1m</i>	chr9:106194171-106199746	17.1110	15.5509	-0.1379	0.228307
<i>Snora70</i>	chrX:74272483-74272620	40.3967	33.5691	-0.2671	0.236319
<i>Ttc38</i>	chr15:85832305-85858822	11.0924	10.0685	-0.1397	0.215862
<i>Rhebl1</i>	chr15:98877777-98881404	7.5852	6.6718	-0.1851	0.230648
<i>Acvr1b</i>	chr15:101174103-101213678	13.7472	12.7153	-0.1126	0.122939
<i>Hacl1</i>	chr14:31552904-31641286	3.4025	3.0404	-0.1623	0.175323
<i>Dnajc15</i>	chr14:77826216-77874917	252.8231	279.0614	0.1425	0.448225
<i>Zfp148</i>	chr16:33380774-33503903	19.8881	20.8689	0.0695	0.288062
<i>Dnajc4</i>	chr19:6987910-6992503	10.5088	11.8324	0.1711	0.365362
<i>Col9a3</i>	chr2:180597789-180622189	1.1217	0.9198	-0.2864	0.227672
<i>Slc22a15</i>	chr3:101858953-101924453	0.1426	0.1824	0.3556	0.297669
<i>Zfp266</i>	chr9:20495067-20521417	19.3541	20.3669	0.0736	0.302834
<i>Trim35</i>	chr14:66297030-66311424	20.5948	19.0411	-0.1132	0.151459
<i>Gm11944</i>	chr11:3308995-3320722	6.0050	5.0839	-0.2402	0.102368
<i>Ppp2r3c</i>	chr12:55280813-55303000	8.3348	7.2698	-0.1972	0.325676
<i>Mir1190</i>	chr12:101021672-101021793	9.6371	6.6843	-0.5278	0.213532
<i>Pds5a</i>	chr5:65615259-65697856	78.9774	72.9601	-0.1143	0.207795
<i>Ccdc126</i>	chr6:49319273-49341582	5.1136	4.5030	-0.1835	0.165083
<i>Dera</i>	chr6:137754541-137837891	15.8529	14.3779	-0.1409	0.157313
<i>Hmgb4</i>	chr8:74993355-75031978	10.8515	11.5033	0.0842	0.348591
<i>4930594C11Rik</i>	chr1:37487192-37488982	2.3909	2.8109	0.2334	0.348233
<i>Pxmp4</i>	chr2:154585757-154603708	5.9422	6.4790	0.1248	0.286541
<i>Cct3</i>	chr3:88297115-88321767	52.0428	47.2128	-0.1405	0.274374
<i>Snd1</i>	chr6:28475138-28935162	25.3385	23.3267	-0.1194	0.260775
<i>Nfatc2</i>	chr2:168476409-168601657	3.7104	4.1653	0.1668	0.494173
<i>Prmt1</i>	chr7:44975988-44986492	13.2299	12.0268	-0.1375	0.170437
<i>Evl</i>	chr12:108554719-108688513	189.2237	199.6225	0.0772	0.383765
<i>Zfp110</i>	chr7:12834760-12850577	34.5168	31.5688	-0.1288	0.219872
<i>Gm16034</i>	chr11:46143896-46145014	20.6482	17.5258	-0.2365	0.329172
<i>Myo1f</i>	chr17:33555718-33607764	34.5432	37.3358	0.1122	0.475790
<i>Nlrc3</i>	chr16:3945006-3976632	25.8860	23.3646	-0.1478	0.331792
<i>Erb2ip</i>	chr13:103818786-103920514	80.4846	84.2097	0.0653	0.302765
<i>Hk1</i>	chr10:62268854-62379908	18.3859	19.6898	0.0988	0.439664
<i>Thop1</i>	chr10:81070034-81082559	2.6394	2.8672	0.1194	0.169850
<i>NA</i>	chr10:89724749-89724875	4.9879	7.2517	0.5399	0.200616
<i>Gm19967</i>	chr11:70864659-70872754	1.1538	1.3797	0.2579	0.090800
<i>Vps53</i>	chr11:76046225-76179647	9.7889	10.3096	0.0748	0.243136
<i>Rnmtl1</i>	chr11:76243714-76250619	8.2349	8.9307	0.1170	0.258709
<i>Timp2</i>	chr11:118301068-118355740	9.4432	8.7053	-0.1174	0.053143
<i>Gm26723</i>	chr12:100208987-100209814	28.8852	31.1095	0.1070	0.295135
<i>Otub2</i>	chr12:103388681-103406350	2.0822	1.7931	-0.2156	0.194933
<i>Gm17655</i>	chr5:110046231-110046486	4.8126	3.4200	-0.4928	0.166084
<i>Coro1c</i>	chr5:113842435-113908758	9.7171	10.4720	0.1079	0.445670
<i>Gtf2h3</i>	chr5:124579139-124597680	9.9198	8.9023	-0.1561	0.259387
<i>Klrb1f</i>	chr6:129045900-129057471	0.7911	1.1720	0.5670	0.456866
<i>Chmp2a</i>	chr7:13032005-13034777	99.3515	107.2738	0.1107	0.400783
<i>Gas2</i>	chr7:51862014-51994975	0.9058	1.0642	0.2325	0.365329
<i>ldh2</i>	chr7:80094845-80115392	26.4258	23.7100	-0.1565	0.285575
<i>Btbd10</i>	chr7:113315625-113369392	5.0207	4.5231	-0.1506	0.225333

<i>B4galnt4</i>	chr7:141061273-141072119	0.5698	0.4181	-0.4466	0.281996
<i>Enkd1</i>	chr8:105703654-105707933	1.6751	1.2958	-0.3704	0.149888
<i>Gm22455</i>	chr9:64177122-64177193	16.1413	11.0998	-0.5402	0.236687
<i>Slc22a13b-ps</i>	chr9:119220487-119231692	0.5385	0.3566	-0.5947	0.303352
<i>Golph3</i>	chr15:12321495-12351265	60.0701	63.7968	0.0868	0.372751
<i>Gm17546</i>	chr15:95824458-95830072	1.3438	0.8361	-0.6846	0.349961
<i>Asic1</i>	chr15:99670717-99701127	1.2769	1.0738	-0.2500	0.163605
<i>Sacs</i>	chr14:61138456-61240695	15.9404	14.5865	-0.1280	0.278365
<i>Rb1</i>	chr14:73183672-73325822	16.8284	17.7977	0.0808	0.358530
<i>Dnajc3</i>	chr14:118937931-118981702	64.6148	59.9804	-0.1074	0.157177
<i>Zfp598</i>	chr17:24669751-24682015	18.2456	16.8465	-0.1151	0.125696
<i>Anks1</i>	chr17:27909339-28062600	6.2020	5.6590	-0.1322	0.216124
<i>C920025E04Rik</i>	chr17:36109233-36111658	10.2729	8.9540	-0.1982	0.197719
<i>Slc35b2</i>	chr17:45563963-45567669	10.5918	9.6971	-0.1273	0.008133
<i>Slc29a1</i>	chr17:45585199-45599606	10.6030	11.2578	0.0865	0.337860
<i>Comt</i>	chr16:18406885-18426852	6.2717	6.8803	0.1336	0.332278
<i>Filip1l</i>	chr16:57353092-57573126	17.4835	18.7655	0.1021	0.381951
<i>Tm7sf2</i>	chr19:6062820-6068373	4.7941	4.2412	-0.1768	0.249766
<i>Ranbp6</i>	chr19:29808107-29812974	23.8698	21.4849	-0.1519	0.312070
<i>Bloc1s2</i>	chr19:44139265-44146446	5.3485	4.3752	-0.2898	0.247422
<i>Atg16l1</i>	chr1:87755869-87792428	13.8033	12.9309	-0.0942	0.082877
<i>4930562F07Rik</i>	chr1:160074734-160077985	67.5312	70.6775	0.0657	0.202106
<i>Atf6</i>	chr1:170704673-170867771	2.1169	2.3959	0.1786	0.482732
<i>Dtwd2</i>	chr18:49696144-49755601	2.8482	3.1894	0.1632	0.334360
<i>Smad2</i>	chr18:76241579-76305731	23.1749	24.2605	0.0660	0.166761
<i>Trmt6</i>	chr2:132804206-132816055	12.9091	13.6140	0.0767	0.324466
<i>Ufm1</i>	chr3:53855211-53863830	8.3201	8.8222	0.0845	0.262974
<i>Gm12490</i>	chr3:101260916-101261476	4.3247	5.4132	0.3239	0.339386
<i>Tmod1</i>	chr4:46038934-46116032	4.9395	4.4451	-0.1521	0.148338
<i>Grin3a</i>	chr4:49661610-49845744	0.4623	0.3808	-0.2798	0.304981
<i>Rps8</i>	chr4:117153826-117156243	59.4694	51.7935	-0.1994	0.378494
<i>Trim62</i>	chr4:128883579-128911328	0.5233	0.6324	0.2731	0.213601
<i>Gm13212</i>	chr4:145585165-145625345	2.7516	3.1673	0.2030	0.357118
<i>Slfm4</i>	chr11:83175185-83190221	0.2350	0.3602	0.6163	0.435308
<i>Wdr55</i>	chr18:36760238-36763708	29.3133	31.5521	0.1062	0.372951
<i>Atp10d</i>	chr5:72203328-72298775	16.3303	14.8389	-0.1382	0.298407
<i>Mmp19</i>	chr10:128790952-128800824	0.3884	0.4964	0.3539	0.204665
<i>NA</i>	chr11:75696390-75696461	14.6839	19.3635	0.3991	0.145674
<i>Gm11714</i>	chr11:107428275-107435686	4.2541	5.1820	0.2846	0.427682
<i>Kctd2</i>	chr11:115420127-115431274	19.9563	18.2183	-0.1315	0.234424
<i>Cd7</i>	chr11:121036746-121039418	117.4183	106.1454	-0.1456	0.309285
<i>Baz1a</i>	chr12:54892988-55014348	29.9487	31.4538	0.0707	0.361594
<i>Hist1h2bk</i>	chr13:22035820-22036299	9.2240	11.1858	0.2782	0.447197
<i>NA</i>	chr13:104173721-104178439	10.7893	11.7646	0.1248	0.307203
<i>Gm26079</i>	chr5:110692048-110692181	17.0800	12.0874	-0.4988	0.382432
<i>Mphosph9</i>	chr5:124250958-124327972	8.3483	8.9635	0.1026	0.467768
<i>Gm20605</i>	chr5:137629174-137642899	34.9768	32.1080	-0.1235	0.245448
<i>Gm15612</i>	chr6:88842853-88847274	0.2183	0.3006	0.4617	0.032551
<i>Necap1</i>	chr6:122874556-122888934	12.5800	11.4308	-0.1382	0.176524
<i>Suv420h2</i>	chr7:4740114-4747514	6.0513	6.6029	0.1259	0.414909
<i>Snrpa1</i>	chr7:66060298-66074582	19.9653	18.3971	-0.1180	0.113262
<i>Spon1</i>	chr7:113765997-114043370	2.6801	3.0314	0.1777	0.490590
<i>Slc18a1</i>	chr8:69037710-69089235	0.2068	0.1446	-0.5157	0.178662
<i>Usb1</i>	chr8:95332291-95347507	9.7178	10.3461	0.0904	0.228589
<i>4930524O07Rik</i>	chr9:106892170-106895182	1.3397	1.7007	0.3442	0.194619
<i>Elk1</i>	chrX:20933394-20950608	2.5512	2.7670	0.1171	0.223557
<i>Magt1</i>	chrX:105968083-106011906	26.0600	23.5003	-0.1492	0.306507
<i>Sharnp</i>	chr15:76347039-76351111	33.9740	35.6096	0.0678	0.327518
<i>Gm26798</i>	chr15:89211558-89215012	0.7034	0.8824	0.3271	0.289563
<i>Traj22</i>	chr14:54197247-54197307	164.5760	182.0639	0.1457	0.272895
<i>Med4</i>	chr14:73510048-73518545	25.5579	27.1820	0.0889	0.212062
<i>Fbxl3</i>	chr14:103080238-103099566	38.5782	40.1591	0.0579	0.230465
<i>Pisd-ps2</i>	chr17:3076577-3084183	7.6585	8.4710	0.1455	0.441651
<i>Dpp9</i>	chr17:56186681-56218889	14.0583	12.9155	-0.1223	0.184786
<i>Ufd1l</i>	chr16:18811778-18835261	18.3105	16.8287	-0.1217	0.227159
<i>Ndufb4</i>	chr16:37647169-37654453	9.4960	8.0532	-0.2378	0.323992
<i>Gm25855</i>	chr19:8723995-8724060	49.3496	39.4589	-0.3227	0.219571
<i>Scd4</i>	chr19:44333091-44346743	0.4197	0.3214	-0.3851	0.017926
<i>Trub1</i>	chr19:57452905-57491005	5.7711	6.1159	0.0837	0.289116
<i>Bivm</i>	chr1:44118956-44144770	3.4840	3.8572	0.1468	0.378913
<i>Nab1</i>	chr1:52457293-52500679	33.0249	34.9290	0.0809	0.368986

<i>Pde6d</i>	chr1:86542993-86582629	4.2808	4.8412	0.1775	0.364811
<i>Pigm</i>	chr1:172376530-172384099	16.1865	15.0710	-0.1030	0.136475
<i>Greb1l</i>	chr18:10325176-10562934	1.1841	1.0332	-0.1967	0.285078
<i>Gm15337</i>	chr18:39367037-39389425	0.4256	0.5472	0.3626	0.299451
<i>Txn1l</i>	chr18:63662800-63692359	19.8391	17.9957	-0.1407	0.233795
<i>Gm13331</i>	chr2:23508859-23509307	15.8314	13.4193	-0.2385	0.242956
<i>Ogfr</i>	chr2:180589244-180595836	45.7674	42.2020	-0.1170	0.179294
<i>Sit1</i>	chr4:43482080-43483734	48.1829	43.5381	-0.1462	0.249148
<i>Pank4</i>	chr4:154964122-154980938	28.4760	26.5730	-0.0998	0.083643
<i>Sptan1</i>	chr2:29965559-30031451	79.5404	74.4483	-0.0954	0.120328
<i>Kccn1</i>	chr7:46396496-46438375	2.6907	2.3048	-0.2234	0.383936
<i>Sbk1</i>	chr7:126272618-126294999	28.3441	25.7824	-0.1367	0.310080
<i>Fnbp4</i>	chr2:90745369-90781021	47.0596	49.3881	0.0697	0.412210
<i>Adss</i>	chr1:177762961-177796511	39.9910	41.7732	0.0629	0.276947
<i>Hist2h2be</i>	chr3:96221120-96223738	8.5016	7.3041	-0.2190	0.374143
<i>Necap2</i>	chr4:141066511-141078357	21.9043	20.3029	-0.1095	0.114425
<i>Ighv8-6</i>	chr12:115165776-115166077	3.2326	2.1359	-0.5979	0.281616
<i>Tmem140</i>	chr6:34863145-34874946	4.1539	4.5084	0.1182	0.413839
<i>Zfp746</i>	chr6:48062394-48086593	16.0261	16.8970	0.0763	0.317515
<i>Adam9</i>	chr8:24949610-25016922	2.2236	2.4898	0.1631	0.336564
<i>Atxn1l</i>	chr8:109726450-109737739	10.4763	9.7135	-0.1091	0.119252
<i>Ankrd49</i>	chr9:14780208-14782964	24.9712	26.7628	0.1000	0.376141
<i>Dapk2</i>	chr9:66158222-66272242	0.8602	1.1025	0.3581	0.400255
<i>Prkaa1</i>	chr15:5143860-5181899	22.1355	23.2004	0.0678	0.253635
<i>Pgp</i>	chr17:24470472-24471591	9.5083	8.0346	-0.2430	0.317368
<i>Telo2</i>	chr17:25099569-25115967	5.1769	4.7214	-0.1329	0.237079
<i>Stambp1l</i>	chr19:34192228-34240333	12.7951	13.4948	0.0768	0.242269
<i>Nars</i>	chr18:64499664-64516557	53.6277	56.4659	0.0744	0.326016
<i>Madd</i>	chr2:91137359-91183837	40.6876	37.5890	-0.1143	0.242188
<i>P2ry14</i>	chr3:59114625-59130624	0.5565	0.7847	0.4957	0.391293
<i>Ipp</i>	chr4:116507548-116538243	6.1273	5.4735	-0.1628	0.089515
<i>Rcc2</i>	chr4:140700540-140723220	53.1582	48.8355	-0.1224	0.248206
<i>Rnu11</i>	chr4:132270079-132270213	95.2236	123.9361	0.3802	0.354905
<i>Gm7457</i>	chr6:142814230-142833494	0.7268	0.8641	0.2496	0.228734
<i>Gm9988</i>	chr8:88138078-88138517	8.7543	6.9882	-0.3251	0.292882
<i>Gm25492</i>	chr5:135053987-135054116	7.0100	4.0618	-0.7873	0.314399
<i>Dhx37</i>	chr5:125414405-125434048	8.6032	7.8004	-0.1413	0.252188
<i>Hbs1l</i>	chr10:21295978-21368889	15.0588	13.9154	-0.1139	0.160884
<i>Arhgap18</i>	chr10:26753420-26918648	9.8092	10.4156	0.0865	0.256835
<i>Rwdd1</i>	chr10:33996554-34019624	12.0486	13.1730	0.1287	0.311253
<i>Qrs1l</i>	chr10:43874187-43901745	6.1799	5.5281	-0.1608	0.249550
<i>Slc25a3</i>	chr10:91116573-91124059	52.7862	49.6210	-0.0892	0.106896
<i>4933408J17Rik</i>	chr10:93589412-93605245	0.8399	0.5950	-0.4974	0.277877
<i>Erb3</i>	chr10:128567522-128589652	1.3523	2.0060	0.5689	0.268231
<i>Fnip1</i>	chr11:54438198-54518235	13.1880	13.8749	0.0732	0.316078
<i>4933439C10Rik</i>	chr11:59505661-59513647	2.2075	2.4070	0.1249	0.290030
<i>Cenpv</i>	chr11:62524945-62539261	3.8083	4.4731	0.2322	0.437540
<i>Gm17235</i>	chr11:78576236-78577350	2.1151	1.6159	-0.3884	0.272434
<i>Gm8738</i>	chr11:103879914-103880243	2.9006	1.9298	-0.5879	0.264878
<i>Strada</i>	chr11:106163329-106202168	9.9222	10.4374	0.0730	0.311605
<i>Slc16a3</i>	chr11:120948479-120960868	0.9743	0.8269	-0.2367	0.161169
<i>Zfp750</i>	chr11:121510977-121519333	0.7822	0.9759	0.3191	0.447667
<i>Nrde2</i>	chr12:100125451-100159653	19.1892	20.2100	0.0748	0.340842
<i>Asb2</i>	chr12:103321141-103356001	0.2362	0.3726	0.6573	0.300056
<i>Vrk1</i>	chr12:106010262-106077410	16.6165	17.6037	0.0833	0.319691
<i>F12</i>	chr13:55417957-55426793	0.5759	0.3942	-0.5469	0.231477
<i>Aggf1</i>	chr13:95350682-95375352	24.6268	22.9180	-0.1038	0.090175
<i>Il6st</i>	chr13:112475007-112506860	110.1762	101.8105	-0.1139	0.252596
<i>Mrfap1</i>	chr5:36794866-36796772	29.4048	26.9221	-0.1273	0.159015
<i>Ptpn13</i>	chr5:103425191-103598359	0.9121	1.2642	0.4710	0.399607
<i>Stx2</i>	chr5:128984556-129008574	13.5198	12.3375	-0.1320	0.202083
<i>Dnajc30</i>	chr5:135064205-135065365	7.6408	8.5610	0.1641	0.341952
<i>Trbv16</i>	chr6:41151790-41152225	115.6023	102.4597	-0.1741	0.313376
<i>Trbv17</i>	chr6:41163091-41163551	97.5460	87.3258	-0.1597	0.274474
<i>Lrrc61</i>	chr6:48554795-48570722	4.3024	4.8252	0.1655	0.408430
<i>Arhgef1</i>	chr7:24902911-24926592	89.2735	81.5072	-0.1313	0.318357
<i>Gtf2h1</i>	chr7:46796102-46823800	34.0177	36.4563	0.0999	0.400500
<i>Rccd1</i>	chr7:80316595-80324454	7.8007	8.3134	0.0918	0.296797
<i>Dctpp1</i>	chr7:127256958-127260709	15.1301	13.1376	-0.2037	0.234807
<i>Tubgcp2</i>	chr7:139995954-140036350	15.5301	16.2838	0.0684	0.194427
<i>Rnf122</i>	chr8:31111819-31131482	4.0880	4.4641	0.1270	0.413635

<i>Ano8</i>	chr8:71476022-71486067	10.0457	9.1553	-0.1339	0.210848
<i>Ndufb7</i>	chr8:83566670-83571626	10.8789	9.7060	-0.1646	0.308395
<i>Asna1</i>	chr8:85017933-85025278	33.7475	36.9104	0.1292	0.435547
<i>4921524J17Rik</i>	chr8:85408758-85432841	7.4227	8.3556	0.1708	0.388877
<i>Tradd</i>	chr8:105258285-105264609	20.2830	18.7177	-0.1159	0.029592
<i>Slc9a7</i>	chrX:20105754-20291807	4.5948	5.0646	0.1404	0.437398
<i>NA</i>	chrX:150408583-150440905	4.2437	4.8590	0.1954	0.271562
<i>G530011O06Rik</i>	chrX:169975042-169978917	0.9980	1.2847	0.3643	0.468896
<i>2610037D02Rik</i>	chr15:96134818-96283608	1.3928	1.2048	-0.2092	0.138012
<i>Usp54</i>	chr14:20548911-20618354	1.2923	1.4218	0.1378	0.283174
<i>Zfand3</i>	chr17:30005086-30210019	17.9023	18.9345	0.0809	0.258612
<i>Zfp263</i>	chr16:3744092-3750790	29.4868	27.3126	-0.1105	0.183867
<i>Pmm2</i>	chr16:8637673-8657531	23.2311	21.5557	-0.1080	0.194641
<i>Mzt2</i>	chr16:15848440-15863369	4.9664	4.2466	-0.2259	0.125952
<i>Adcy5</i>	chr16:35154876-35305737	0.3010	0.3700	0.2979	0.250068
<i>Trat1</i>	chr16:48734689-48771956	20.6253	17.2731	-0.2559	0.408967
<i>Atp5o</i>	chr16:91684397-91931687	41.9111	37.3163	-0.1675	0.338355
<i>Banf1</i>	chr19:5364640-5366645	59.0773	65.5983	0.1511	0.463066
<i>Hnrnpul2</i>	chr19:8819400-8834142	25.5184	26.6185	0.0609	0.347425
<i>Gm26874</i>	chr19:57459571-57461553	0.4334	0.5861	0.4356	0.058584
<i>Ptpn4</i>	chr1:119658043-119837613	14.1030	14.9671	0.0858	0.434881
<i>Ralgsps2</i>	chr1:156804165-156939626	10.5077	9.7371	-0.1099	0.115529
<i>Hsd11b1</i>	chr1:193221629-193264054	44.1957	40.4978	-0.1261	0.230015
<i>Gm26865</i>	chr18:4373668-4379980	3.0035	2.6427	-0.1846	0.135610
<i>Tcerg1</i>	chr18:42511509-42575551	23.9666	25.3301	0.0798	0.390684
<i>Gm16146</i>	chr18:84858635-84859547	3.3856	2.3684	-0.5155	0.324971
<i>Manbal</i>	chr2:157367593-157396763	8.5958	7.4898	-0.1987	0.229314
<i>4930579G24Rik</i>	chr3:79629078-79632817	2.5727	2.1445	-0.2627	0.212424
<i>Ampd1</i>	chr3:103074013-103099714	8.4308	7.2912	-0.2095	0.354359
<i>Cept1</i>	chr3:106502259-106547802	42.5209	45.3196	0.0920	0.390439
<i>Tmem222</i>	chr4:133266044-133277792	17.9708	18.9911	0.0797	0.210628
<i>Gm13166</i>	chr4:146251828-146278434	1.0338	1.3123	0.3442	0.285744
<i>Gm11476</i>	chr2:167553313-167607845	0.4405	0.2989	-0.5598	0.168083
<i>Cdc6</i>	chr11:98907800-98923940	1.1699	1.3482	0.2047	0.407356
<i>Ddx42</i>	chr11:106216925-106249139	53.6255	55.6291	0.0529	0.236236
<i>AA987161</i>	chr13:67589442-67609707	17.7354	19.0390	0.1023	0.418065
<i>Dtx1</i>	chr5:120680201-120711927	76.4279	81.1686	0.0868	0.463385
<i>Gm16536</i>	chr9:45856768-45858357	7.5869	6.7545	-0.1677	0.111611
<i>Mbnl3</i>	chrX:51117268-51206532	4.1126	4.4092	0.1005	0.353478
<i>Lrrc24</i>	chr15:76715275-76722173	2.5809	2.2020	-0.2291	0.150279
<i>Ptms</i>	chr6:124913680-124917946	4.1087	4.8459	0.2381	0.452601
<i>Cnp</i>	chr11:100574903-100591729	74.7109	69.6067	-0.1021	0.127514
<i>Gm15712</i>	chr16:43184572-43185728	1.3339	1.0126	-0.3976	0.073886
<i>Kcnq5</i>	chr1:21398402-21961942	1.4356	1.6203	0.1746	0.411240
<i>Ntan1</i>	chr16:13819250-13835451	27.3756	28.5660	0.0614	0.174277
<i>Cactin</i>	chr10:81321102-81326251	23.1384	21.0379	-0.1373	0.271218
<i>Akirin1-ps</i>	chr11:85216596-85217054	1.3930	2.0926	0.5871	0.384467
<i>Raf1</i>	chr6:115618066-115676635	39.0191	36.5205	-0.0955	0.117263
<i>Il2orb</i>	chr9:100457718-100486788	0.9078	1.0884	0.2618	0.378540
<i>Ube2v2</i>	chr16:15552676-15594524	2.8392	3.1088	0.1309	0.302038
<i>9230111E07Rik</i>	chr2:167782052-167783486	5.4207	4.3872	-0.3052	0.334250
<i>Dcun1d1</i>	chr3:35892104-35937445	6.3595	6.7159	0.0787	0.169819
<i>Gm11942</i>	chr4:32964887-32965232	4.6572	3.4459	-0.4346	0.227702
<i>Zfp322a</i>	chr13:23353102-23369208	17.4255	15.9287	-0.1296	0.253707
<i>Dnah11</i>	chr12:117877981-118199043	1.0513	0.9458	-0.1526	0.077032
<i>A930041C12Rik</i>	chr5:107630249-107633850	2.0651	2.6997	0.3866	0.276750
<i>Lca5</i>	chr9:83390292-83441127	2.0720	1.8589	-0.1565	0.063886
<i>Mrp13</i>	chr9:105053238-105077466	16.8107	15.3993	-0.1265	0.194097
<i>Suv420h1</i>	chr19:3767420-3818303	17.2641	16.1873	-0.0929	0.081489
<i>Trmt112</i>	chr19:6909697-6911049	8.4989	7.5042	-0.1796	0.138735
<i>Mrps9</i>	chr1:42851232-42905682	38.4611	40.7306	0.0827	0.272330
<i>Rpl21</i>	chr5:146832889-146837032	9.8721	10.6559	0.1102	0.384675
<i>Bud13</i>	chr9:46283007-46298783	5.6451	6.0947	0.1105	0.350832
<i>Sik2</i>	chr9:50892800-51009073	5.0101	4.5462	-0.1402	0.295696
<i>Gm16059</i>	chr15:79427219-79431629	0.9049	0.7469	-0.2767	0.113523
<i>Gm26732</i>	chr16:44329996-44333050	19.2958	21.5339	0.1583	0.496623
<i>Gm15929</i>	chr7:3666251-3670278	2.1775	1.7097	-0.3489	0.258320
<i>Tdrd3</i>	chr14:87416638-87545373	6.3615	6.7038	0.0756	0.127476
<i>Tmem261</i>	chr4:75277353-75278305	50.2275	44.2613	-0.1824	0.338576
<i>Txk</i>	chr5:72695977-72752773	76.2565	78.6611	0.0448	0.251010
<i>Gm17022</i>	chr8:13086508-13087430	2.4571	2.9624	0.2698	0.255915

<i>Nrp1</i>	chr8:128359072-128505462	0.8850	1.0630	0.2643	0.486072
<i>Gm20427</i>	chr17:34026033-34031572	53.0162	49.2904	-0.1051	0.152779
<i>Ppa1</i>	chr10:61648551-61674168	14.9621	16.0816	0.1041	0.397187
<i>Arhgap27os2</i>	chr11:103355700-103361092	1.1536	0.8806	-0.3896	0.099155
<i>Mrpl38</i>	chr11:116131816-116138868	10.9888	11.7637	0.0983	0.297413
<i>Lyst</i>	chr13:13590408-13777440	50.5319	46.0588	-0.1337	0.326283
<i>F2rl1</i>	chr13:95511731-95525240	21.4996	23.0982	0.1035	0.455143
<i>Gm15478</i>	chr5:67642400-67646776	1.1344	0.8963	-0.3399	0.219918
<i>Endod1</i>	chr9:14353989-14381242	4.2394	5.2877	0.3188	0.381822
<i>Trcg1</i>	chr9:57236555-57249863	0.3494	0.2383	-0.5521	0.188099
<i>Il18rap</i>	chr1:40515361-40551705	12.2115	14.5857	0.2563	0.389958
<i>Gm15445</i>	chr1:135152962-135153806	2.2754	2.8816	0.3407	0.100277
<i>Hspa4l</i>	chr3:40744494-40796103	4.7737	4.3487	-0.1345	0.251472
<i>Ikbkap</i>	chr4:56749679-56802331	15.0139	13.8420	-0.1172	0.239211
<i>Supt4a</i>	chr11:87737551-87743623	52.0286	57.2139	0.1371	0.451656
<i>Usp12</i>	chr5:146734808-146795006	16.0023	14.8832	-0.1046	0.105379
<i>Snord15b</i>	chr7:99479562-99479707	416.0235	320.7898	-0.3750	0.332017
<i>Dync1i2</i>	chr2:71211705-71263303	14.3286	15.0327	0.0692	0.281208
<i>Cd53</i>	chr3:106758860-106790149	343.6357	362.5625	0.0774	0.395222
<i>3110053B16Rik</i>	chr12:20874124-20921262	1.6258	1.3402	-0.2787	0.206503
<i>Tfam</i>	chr10:71225463-71238280	21.1420	19.2804	-0.1330	0.262825
<i>Mmp28</i>	chr11:83440767-83463071	0.2739	0.3589	0.3899	0.191344
<i>Pxdc1</i>	chr11:97923237-97986444	0.7519	0.6155	-0.2886	0.248123
<i>Itn2</i>	chr12:4593007-4713950	70.0689	72.5111	0.0494	0.231683
<i>Klf2a</i>	chr13:106958995-107022126	9.0416	9.7243	0.1050	0.464216
<i>2900005J15Rik</i>	chr5:25100982-25110109	1.2603	1.4821	0.2339	0.266500
<i>Erp29</i>	chr5:121428589-121452506	12.4278	11.5509	-0.1056	0.111261
<i>Gstk1</i>	chr6:42245934-42250441	6.5266	5.5667	-0.2295	0.183125
<i>Txnrd3</i>	chr6:89643987-89675529	1.3490	1.5773	0.2256	0.267879
<i>Jagn1</i>	chr6:113442568-113448229	17.0418	15.4297	-0.1434	0.103583
<i>Vrk3</i>	chr7:44748412-44777515	19.3749	17.9206	-0.1126	0.157492
<i>1700122E12Rik</i>	chr8:84847187-84848415	1.5775	2.1647	0.4566	0.359130
<i>Smad3</i>	chr9:63646766-63757994	16.4315	17.7485	0.1112	0.480108
<i>Cdv3</i>	chr9:103353101-103365780	17.5034	16.2293	-0.1090	0.143745
<i>Gm26593</i>	chrX:21360864-21364622	0.9460	1.1847	0.3247	0.271975
<i>Ank</i>	chr15:27466676-27594909	6.5366	7.1948	0.1384	0.469457
<i>Snora2b</i>	chr15:98526345-98526482	6.2933	4.2352	-0.5714	0.177276
<i>Traj13</i>	chr14:54205740-54205797	28.6941	36.7511	0.3570	0.406587
<i>Thtpa</i>	chr14:55094834-55098986	16.9624	18.1182	0.0951	0.402538
<i>Gm16181</i>	chr17:35220833-35224134	2.2209	2.8783	0.3741	0.165138
<i>Usp49</i>	chr17:47630689-47686738	2.2097	2.3743	0.1036	0.329974
<i>Gpr108</i>	chr17:57234913-57247641	20.3938	21.4413	0.0723	0.255105
<i>Gm8425</i>	chr16:36778833-36779602	1.1271	0.7621	-0.5645	0.254435
<i>Gm17518</i>	chr16:90727511-90729120	0.8360	0.5971	-0.4855	0.242852
<i>Brwd1</i>	chr16:95992091-96082526	14.6435	13.5877	-0.1080	0.197618
<i>A930007I19Rik</i>	chr19:29486354-29523159	0.2713	0.1943	-0.4817	0.238953
<i>Gm16244</i>	chr19:42779031-42781454	0.8643	1.0665	0.3033	0.316148
<i>Gm26670</i>	chr1:191986831-191990138	0.5989	0.7450	0.3149	0.290866
<i>Gm13423</i>	chr2:23202032-23203683	2.5352	1.9992	-0.3427	0.214950
<i>Prrg4</i>	chr2:104830740-104849876	3.2148	2.8426	-0.1775	0.123262
<i>Prpf38b</i>	chr3:108902666-108911727	59.5060	62.9213	0.0805	0.435069
<i>Gm12744</i>	chr4:106587096-106589108	7.6356	6.2006	-0.3003	0.317683
<i>Eya3</i>	chr4:132638986-132724765	12.4060	13.0489	0.0729	0.368503
<i>Il4ra</i>	chr7:12552281-125579472	69.4175	64.3360	-0.1097	0.246090
<i>Spdl1</i>	chr11:34809189-34833641	1.8143	2.0934	0.2064	0.448336
<i>Trbv4</i>	chr6:41059442-41059881	66.6758	73.6545	0.1436	0.453778
<i>Fam227b</i>	chr2:125983482-126152004	0.7212	0.5504	-0.3898	0.217862
<i>Ifngr1</i>	chr10:19591948-19610229	89.7247	95.1869	0.0853	0.476971
<i>Bpnt1</i>	chr1:185332148-185357777	9.7023	8.6810	-0.1605	0.236500
<i>Fkbp5</i>	chr17:28399094-28517524	9.3798	8.6658	-0.1142	0.175743
<i>C030013D06Rik</i>	chr14:56733656-56734954	2.1214	1.6999	-0.3195	0.199499
<i>Dip2a</i>	chr10:76259428-76345291	0.6727	0.7649	0.1853	0.321591
<i>Pus10</i>	chr11:23665673-23732876	9.6839	10.1619	0.0695	0.158088
<i>Cbll1</i>	chr12:31484828-31499616	3.4115	3.7783	0.1473	0.412859
<i>Sri</i>	chr5:8046077-8069379	51.1388	54.3435	0.0877	0.419362
<i>Rfc1</i>	chr5:65261851-65335670	22.9543	21.2901	-0.1086	0.162837
<i>Rac1</i>	chr5:143505477-143528036	62.5564	58.4247	-0.0986	0.120861
<i>Ing2</i>	chr8:47667177-47675556	6.4303	6.8685	0.0951	0.132284
<i>Siah1b</i>	chrX:164070704-164076493	1.3153	1.5967	0.2797	0.360850
<i>Xpo7</i>	chr14:70654245-70766628	9.6307	10.0034	0.0548	0.308511
<i>Tb1l1xr1</i>	chr3:22076651-22216594	34.8472	32.6860	-0.0924	0.095592

<i>Erp44</i>	chr4:48193322-48279558	18.9881	20.0546	0.0788	0.336810
<i>Gm12250</i>	chr11:58183842-58190198	45.2730	49.3543	0.1245	0.482235
<i>Rnf213</i>	chr11:119393099-119487418	103.8312	120.9820	0.2206	0.397472
<i>Serf1</i>	chr13:100107996-100114571	0.5179	0.7661	0.5650	0.225194
<i>Smim15</i>	chr13:108046423-108049146	50.6695	54.4946	0.1050	0.429891
<i>Snrpd2</i>	chr7:19149721-19152735	35.1085	30.4085	-0.2073	0.369666
<i>Coq7</i>	chr7:118509658-118533356	1.1232	1.2756	0.1836	0.164365
<i>Kat6a</i>	chr8:22859534-22943259	25.8425	27.7052	0.1004	0.516161
<i>Gm23136</i>	chr9:64176660-64176759	11.0666	7.7821	-0.5080	0.221460
<i>Ccnb2</i>	chr9:70407688-70421554	6.0772	8.0125	0.3988	0.385207
<i>Twf1</i>	chr15:94577950-94589889	12.7017	13.3347	0.0702	0.148846
<i>Trav9-4</i>	chr14:53676140-53676629	3.5157	2.5743	-0.4497	0.223872
<i>Vav1</i>	chr17:57279099-57328031	73.2131	68.6406	-0.0930	0.102089
<i>Ptgfrn</i>	chr3:101040231-101110278	1.8209	1.5967	-0.1896	0.252118
<i>Zswim5</i>	chr4:116877375-116989264	0.2170	0.3037	0.4850	0.431423
<i>Yeats4</i>	chr10:117215141-117224507	42.9469	46.3080	0.1087	0.418712
<i>Trmu</i>	chr15:85879311-85897394	7.0241	7.5765	0.1092	0.442486
<i>Tmem87b</i>	chr2:128818117-128854261	11.5037	10.6825	-0.1068	0.148186
<i>Mansc1</i>	chr6:134609209-134632488	0.7795	0.9616	0.3029	0.239428
<i>Gm16755</i>	chr11:120486338-120488582	8.5316	7.4588	-0.1939	0.139891
<i>Gcnt2</i>	chr13:40859767-40960891	0.1989	0.2563	0.3656	0.358328
<i>Zfand4</i>	chr6:116264221-116330298	0.2810	0.3716	0.4032	0.287508
<i>H2afj</i>	chr6:136808247-136810074	47.1072	42.2394	-0.1574	0.335376
<i>Ngrn</i>	chr7:80261214-80265374	24.6724	22.6104	-0.1259	0.168220
<i>Map3k8</i>	chr18:4331326-4353015	7.8539	8.3739	0.0925	0.412598
<i>Gm13012</i>	chr4:137882369-137883937	6.2522	7.2328	0.2102	0.361652
<i>Ankhd1</i>	chr18:36559986-36665917	33.3984	34.5908	0.0506	0.278295
<i>Tyw1</i>	chr5:130255618-130341563	6.1061	5.6557	-0.1105	0.090114
<i>Syf2</i>	chr4:134930897-134937548	74.1455	79.8692	0.1073	0.455545
<i>Gm15283</i>	chr12:73926480-73949785	17.1784	15.6296	-0.1363	0.128147
<i>Fam102b</i>	chr3:108970996-109027607	9.8414	9.0274	-0.1246	0.215212
<i>Rps15</i>	chr10:80292452-80294114	1013.7519	1115.4410	0.1379	0.487140
<i>Gm17305</i>	chr11:69364018-69369408	81.7609	90.4866	0.1463	0.480207
<i>Sdhd</i>	chr9:50596337-50603849	46.7240	42.9964	-0.1199	0.173809
<i>Mcts1</i>	chrX:38600577-38613426	30.9407	27.9364	-0.1474	0.282981
<i>Elf4</i>	chrX:48411045-48463132	16.5065	18.1332	0.1356	0.527148
<i>lds</i>	chrX:70343068-70365084	4.0272	4.4333	0.1386	0.466405
<i>Xlr4c</i>	chrX:73233687-73243130	3.9884	3.2621	-0.2900	0.469567
<i>Cd47</i>	chr16:49855617-49915010	37.3316	40.2988	0.1103	0.520985
<i>NA</i>	chr1:33669842-33670712	1.6978	1.2839	-0.4031	0.079873
<i>Stoml2</i>	chr4:43027689-43031710	13.0414	11.9062	-0.1314	0.189997
<i>Mrvi1</i>	chr7:110868265-110982461	0.6926	0.5758	-0.2665	0.297265
<i>Sin3a</i>	chr9:57072039-57128366	27.9603	29.2440	0.0648	0.385230
<i>Gramd1c</i>	chr16:43980349-44027945	2.7858	2.4545	-0.1827	0.203539
<i>Gm15793</i>	chr1:66849107-66849602	2.1616	1.5264	-0.5020	0.254500
<i>Desi2</i>	chr1:178187416-178252598	16.4335	15.0471	-0.1272	0.275690
<i>Pex2</i>	chr3:5560187-5576239	16.8126	15.0686	-0.1580	0.296367
<i>Pom121</i>	chr5:135376140-135394546	3.5186	3.8569	0.1324	0.450459
<i>Gm17089</i>	chr6:134233157-134243711	0.7882	1.0281	0.3833	0.166395
<i>Vps33b</i>	chr7:80269648-80291579	16.0819	14.8787	-0.1122	0.152657
<i>Cyp4f13</i>	chr17:32924687-32947402	7.2698	8.0958	0.1553	0.522191
<i>Rer1</i>	chr4:155074109-155086382	78.5731	72.6624	-0.1128	0.186847
<i>Coro1b</i>	chr19:4148618-4154035	59.9144	63.2124	0.0773	0.431897
<i>Cdk4</i>	chr10:127063533-127067920	45.9170	47.6062	0.0521	0.310955
<i>Dnah17</i>	chr11:118021722-118129219	2.0959	1.9149	-0.1303	0.219025
<i>Ap4s1</i>	chr12:51690965-51738939	21.0194	18.5996	-0.1765	0.303518
<i>Akr1c12</i>	chr13:4268171-4279433	1.3277	1.6293	0.2953	0.164863
<i>Nedd9</i>	chr13:41309915-41487320	57.5477	59.9449	0.0589	0.323883
<i>Gm26877</i>	chr13:41359970-41370908	3.2186	4.0884	0.3451	0.422464
<i>Ell2</i>	chr13:75707483-75772356	0.1964	0.2857	0.5405	0.437430
<i>Gm20671</i>	chr5:32737229-32827109	25.2676	26.7233	0.0808	0.316853
<i>Polr2b</i>	chr5:77310146-77349324	44.0108	40.6787	-0.1136	0.220975
<i>Tmem116</i>	chr5:121451892-121524183	2.5105	2.2050	-0.1872	0.139667
<i>Dedd2</i>	chr7:25202839-25219859	39.0694	35.7906	-0.1265	0.254431
<i>Aen</i>	chr7:78895853-78911209	8.9223	8.2650	-0.1104	0.103231
<i>Plekha1</i>	chr7:130865755-130913312	11.7184	12.2793	0.0675	0.340091
<i>Nap114</i>	chr7:143513578-143549090	96.8767	89.9924	-0.1063	0.165590
<i>Fbxo25</i>	chr8:13907805-13940521	11.6984	10.6348	-0.1375	0.120068
<i>Jph3</i>	chr8:121729622-121794276	0.3944	0.3077	-0.3578	0.048150
<i>9530077C05Rik</i>	chr9:22411576-22444677	0.6783	0.8539	0.3320	0.207109
<i>Gm5617</i>	chr9:48495344-48495964	9.1646	7.6749	-0.2559	0.287173

<i>Map4</i>	chr9:109931457-110083947	9.2585	9.7300	0.0717	0.436771
<i>Traj5</i>	chr14:54213776-54213838	20.9476	27.8301	0.4099	0.341289
<i>Rnaseh2b</i>	chr14:62292588-62372992	4.8423	5.2154	0.1071	0.422632
<i>Ppp2r1a</i>	chr17:20945310-20965916	40.3269	37.7781	-0.0942	0.133629
<i>1110038B12Rik</i>	chr17:34950237-34952471	9.5677	10.2091	0.0936	0.104423
<i>Gtf2h4</i>	chr17:35667729-35673739	3.9145	4.3264	0.1443	0.361087
<i>Tbc1d23</i>	chr16:57168865-57231466	15.6481	16.3323	0.0617	0.167516
<i>Cldn25</i>	chr16:58727909-58734251	7.8125	8.5626	0.1323	0.463146
<i>Brms1</i>	chr19:5041403-5049917	25.8437	28.2442	0.1281	0.446213
<i>Scyl1</i>	chr19:5758426-5771401	24.5300	25.8326	0.0746	0.357896
<i>Arhgef4</i>	chr1:34678187-34813309	3.8009	3.4893	-0.1234	0.179070
<i>B3galt2</i>	chr1:143640663-143650406	1.4435	1.6981	0.2344	0.521798
<i>NA</i>	chr1:178256102-178257295	0.6337	0.8588	0.4386	0.146836
<i>Sqrdl</i>	chr2:122765236-122809569	0.9460	1.1220	0.2462	0.322643
<i>Ddrbk1</i>	chr2:130653959-130664659	33.5220	35.8202	0.0957	0.444954
<i>Naa15</i>	chr3:51416015-51475985	19.6733	21.2484	0.1111	0.526875
<i>Rab33b</i>	chr3:51483965-51495905	13.0898	13.8755	0.0841	0.275473
<i>Pmf1</i>	chr3:88394142-88410316	13.5335	14.8766	0.1365	0.347587
<i>Hs2st1</i>	chr3:144431102-144570181	5.5685	5.0684	-0.1358	0.209815
<i>170006J05Rik</i>	chr4:53562982-53564697	0.9388	0.6744	-0.4772	0.053356
<i>Zfp691</i>	chr4:119169512-119174195	2.0816	2.4087	0.2105	0.397804
<i>Gm14005</i>	chr2:128195992-128429349	0.3166	0.4482	0.5014	0.326281
<i>Shcbp1l</i>	chr1:153425161-153452574	0.2363	0.3161	0.4196	0.189081
<i>NA</i>	chr4:6445037-6447912	2.5814	2.9423	0.1888	0.434871
<i>Tada2b</i>	chr5:36473669-36484285	10.1658	9.4189	-0.1101	0.021489
<i>Bend3</i>	chr10:43479139-43515396	2.3313	2.0405	-0.1922	0.320797
<i>Gm15344</i>	chr10:86692118-86693095	49.9290	44.2933	-0.1728	0.298526
<i>Usp15</i>	chr10:123113243-123196935	48.0912	50.7454	0.0775	0.385327
<i>Vps54</i>	chr11:21239280-21321136	23.5698	24.8602	0.0769	0.462014
<i>Gemin5</i>	chr11:58120001-58168539	11.7751	10.9511	-0.1047	0.144186
<i>Cox10</i>	chr11:63962626-64079468	8.6016	9.1284	0.0858	0.250246
<i>Ntn1</i>	chr11:68209363-68400823	0.3774	0.4698	0.3157	0.410987
<i>Gps2</i>	chr11:69913887-69916591	42.9746	46.1565	0.1031	0.450282
<i>Igfbp4</i>	chr11:99041243-99054392	54.7595	49.5253	-0.1449	0.361819
<i>Nup85</i>	chr11:115564433-115583985	20.3457	18.9174	-0.1050	0.128291
<i>Coq6</i>	chr12:84361656-84373796	6.8166	6.1239	-0.1546	0.236522
<i>Mir1896</i>	chr13:21445159-21445240	111.3540	94.8161	-0.2319	0.394534
<i>Dtnbp1</i>	chr13:44922078-45002096	11.3498	12.2432	0.1093	0.260383
<i>Ice1</i>	chr13:70588688-70637634	27.8645	26.0152	-0.0991	0.216917
<i>Zbed3</i>	chr13:95325236-95337841	0.5795	0.7689	0.4079	0.335664
<i>Cenpa</i>	chr5:30666776-30674827	7.0178	6.2477	-0.1677	0.297560
<i>NA</i>	chr5:36796227-36797729	8.3974	7.2249	-0.2170	0.346737
<i>Nfxl1</i>	chr5:72513300-72559684	2.2718	2.0099	-0.1767	0.200798
<i>Fip1l1</i>	chr5:74535448-74598790	17.7362	18.4792	0.0592	0.381098
<i>Trip6</i>	chr5:137309898-137314241	2.3091	1.9118	-0.2724	0.221003
<i>Lrch4</i>	chr5:137629120-137641099	31.5843	29.0139	-0.1225	0.272901
<i>Trbv31</i>	chr6:41557690-41558371	29.4408	25.6474	-0.1990	0.273406
<i>C87436</i>	chr6:86438373-86473500	12.4636	11.5204	-0.1135	0.107717
<i>Rps25-ps1</i>	chr6:145266326-145266825	10.2955	8.3932	-0.2947	0.383196
<i>Ppfibp1</i>	chr6:146888486-147032025	0.5965	0.6686	0.1646	0.254396
<i>Gm23368</i>	chr7:30100839-30100935	6.4710	9.2080	0.5089	0.278115
<i>Arhgap33</i>	chr7:30522225-30534180	0.1483	0.2067	0.4791	0.264781
<i>Mphosph10</i>	chr7:64376575-64392268	28.4148	30.2427	0.0899	0.417297
<i>Wee1</i>	chr7:110122349-110142112	1.6657	2.0138	0.2738	0.412383
<i>Xylt1</i>	chr7:117380978-117667751	1.2447	1.4585	0.2287	0.435957
<i>Itpril2</i>	chr7:118485113-118491975	0.5051	0.6337	0.3272	0.472393
<i>Gm9967</i>	chr7:126774964-126776818	2.4077	2.0107	-0.2600	0.221025
<i>Prrt2</i>	chr7:127016770-127021211	2.2555	1.9684	-0.1965	0.159200
<i>Fbxl19</i>	chr7:127746774-127768927	2.6573	3.0226	0.1858	0.436201
<i>Adam8</i>	chr7:139978931-139992562	0.5293	0.6485	0.2929	0.419647
<i>Deaf1</i>	chr7:141297175-141327725	7.1759	6.4086	-0.1632	0.260017
<i>Dus2</i>	chr8:105991336-106053840	6.3474	6.7976	0.0989	0.290178
<i>Sntb2</i>	chr8:106935749-107014192	10.6975	9.6890	-0.1429	0.333755
<i>Mlycd</i>	chr8:119394877-119411102	6.9226	6.1938	-0.1605	0.265273
<i>Cdkn2d</i>	chr9:21288462-21291209	46.1906	49.6354	0.1038	0.429312
<i>C2cd2l</i>	chr9:44309236-44320282	4.7941	4.3643	-0.1355	0.149956
<i>Gm15563</i>	chr9:66572000-66582059	9.3837	11.0376	0.2342	0.411558
<i>NA</i>	chr9:106883984-106887000	26.3875	27.9918	0.0851	0.431116
<i>1700102P08Rik</i>	chr9:108392833-108397763	2.6388	2.1135	-0.3203	0.294217
<i>Lancl3</i>	chrX:9199901-9268085	0.4026	0.5216	0.3736	0.369044
<i>Med14</i>	chrX:12675368-12762073	13.6103	14.2263	0.0639	0.398336

<i>Pfkfb1</i>	chrX:150588228-150643878	0.9621	1.1096	0.2057	0.231397
<i>Atad2</i>	chr15:58094046-58135082	27.5540	28.5726	0.0524	0.299690
<i>Fam83f</i>	chr15:80671846-80700420	2.6583	2.2971	-0.2106	0.248673
<i>Chadl</i>	chr15:81678295-81697287	2.4125	2.6242	0.1214	0.206355
<i>Arfgap3</i>	chr15:83299739-83350247	3.8466	3.3629	-0.1939	0.254785
<i>Rpap3</i>	chr15:97675104-97705822	13.2712	14.0109	0.0783	0.210822
<i>C330013E15Rik</i>	chr15:100614139-100615110	1.2898	1.7411	0.4329	0.313296
<i>Ncoa4</i>	chr14:32159864-32179855	3.2426	3.6056	0.1531	0.391944
<i>Zfp219</i>	chr14:52006076-52020733	3.3122	2.8785	-0.2025	0.305661
<i>Ndfip2</i>	chr14:105258572-105309298	4.4540	4.1272	-0.1099	0.120347
<i>Cldn10</i>	chr14:118787870-118875489	1.5793	1.8286	0.2114	0.360772
<i>NA</i>	chr17:21966174-21968272	3.7169	4.1220	0.1493	0.221957
<i>Caskin1</i>	chr17:24488782-24508905	0.5011	0.4161	-0.2682	0.034696
<i>Hagh</i>	chr17:24840142-24864450	8.4293	7.5992	-0.1496	0.112289
<i>Cul7</i>	chr17:46650336-46664364	1.6884	1.4929	-0.1776	0.263429
<i>Ndufaf7</i>	chr17:78937134-78948052	8.4120	7.5501	-0.1560	0.212852
<i>Crebbp</i>	chr16:4084047-4213404	21.8392	23.6992	0.1179	0.527844
<i>Tfap4</i>	chr16:4544660-4559720	10.8274	11.7174	0.1140	0.386786
<i>Rrn3</i>	chr16:13780698-13814840	35.9314	37.3127	0.0544	0.295125
<i>Thap7</i>	chr16:17527981-17531136	18.4770	19.6842	0.0913	0.364494
<i>Gm15317</i>	chr16:96145475-96147584	1.4648	0.9977	-0.5540	0.284891
<i>Rad9a</i>	chr19:4195197-4201603	53.5033	50.1523	-0.0933	0.056135
<i>Ssca1</i>	chr19:5728087-5731732	16.9213	18.0669	0.0945	0.421041
<i>Polr2g</i>	chr19:8793128-8798557	59.2146	53.5172	-0.1459	0.292461
<i>Tle4</i>	chr19:14448071-14598051	30.0131	31.1018	0.0514	0.257810
<i>Smndc1</i>	chr19:53379213-53390573	14.4134	15.4614	0.1013	0.405987
<i>Agfg1</i>	chr1:82839482-82896275	73.0930	75.9010	0.0544	0.299311
<i>2410004N09Rik</i>	chr18:33794891-33795986	45.9526	50.6201	0.1396	0.393953
<i>Fam107b</i>	chr2:3613757-3782142	181.1020	189.0535	0.0620	0.353753
<i>Sdcccag3</i>	chr2:26382801-26389316	41.8662	39.2921	-0.0915	0.120965
<i>Arhgap15</i>	chr2:43748823-44395953	46.5236	48.5794	0.0624	0.394302
<i>Pdpx</i>	chr2:103021074-103073513	5.4439	5.8050	0.0926	0.288482
<i>BC046401</i>	chr2:165857683-165859034	1.3469	0.9738	-0.4679	0.203879
<i>Fam209</i>	chr2:172472519-172474331	2.9003	3.4766	0.2615	0.144454
<i>4933429H19Rik</i>	chr3:30793137-30793560	3.9906	2.8874	-0.4668	0.301352
<i>Mir16-2</i>	chr3:69009901-69009996	11.7120	8.1799	-0.5178	0.302891
<i>Pear1</i>	chr3:87747889-87824306	1.6319	1.8901	0.2119	0.477775
<i>Pias3</i>	chr3:96696383-96706070	2.9363	2.5306	-0.2145	0.351758
<i>Lef1</i>	chr3:131110470-131224356	61.7287	65.8622	0.0935	0.492630
<i>Rap1gds1</i>	chr3:138925905-139075199	29.7505	27.4353	-0.1169	0.240522
<i>Gba2</i>	chr4:43566927-43578873	16.7067	15.4834	-0.1097	0.188747
<i>Melk</i>	chr4:44300875-44364675	0.8830	1.0609	0.2648	0.331677
<i>Gm16731</i>	chr4:46535900-46539802	6.3217	5.4151	-0.2233	0.218153
<i>Inpp5b</i>	chr4:124741849-124801511	34.4151	32.2632	-0.0932	0.062553
<i>Fbxo6</i>	chr4:148145715-148152140	5.5233	6.0649	0.1350	0.335453
<i>Prdm16</i>	chr4:154316124-154636873	0.1326	0.0480	-1.4656	0.315641
<i>Slc25a45</i>	chr19:5877807-5885766	22.2335	20.6193	-0.1087	0.153619
<i>NA</i>	chr10:79540245-79541960	10.7962	11.6865	0.1143	0.334207
<i>Nme2</i>	chr11:93949813-93956259	57.4880	50.6150	-0.1837	0.389281
<i>Bsn</i>	chr9:108096022-108190384	0.5498	0.4545	-0.2746	0.390283
<i>Rora</i>	chr9:68653785-69388246	1.4296	1.5391	0.1066	0.370936
<i>Traf5</i>	chr1:191997429-192092559	18.3183	16.5534	-0.1462	0.302995
<i>Gbp9</i>	chr5:105078393-105139539	91.9835	97.3357	0.0816	0.468633
<i>Txn14b</i>	chr8:109565891-109574051	6.0518	6.7587	0.1594	0.402237
<i>Gm10698</i>	chr9:33728212-33728889	2.6102	2.0249	-0.3663	0.153501
<i>Polr2k</i>	chr15:36174009-36177010	1.7183	2.2283	0.3750	0.209119
<i>Pdxb</i>	chr14:8165990-8172992	37.7019	39.3066	0.0601	0.117221
<i>NA</i>	chr17:27565111-27566220	3.0914	2.4748	-0.3210	0.318739
<i>Zbtb20</i>	chr16:42875880-43642602	2.7987	3.0964	0.1458	0.563497
<i>Mrps6</i>	chr16:92058269-92112227	7.5645	8.2371	0.1229	0.299702
<i>Rasgrp2</i>	chr19:6399339-6415216	29.9040	28.2933	-0.0799	0.025482
<i>Ssr2</i>	chr3:88579670-88588397	50.5306	53.2342	0.0752	0.379162
<i>1700055D18Rik</i>	chr4:45012829-45014399	1.3188	1.5749	0.2560	0.085968
<i>Egr2</i>	chr10:67535474-67542188	7.2856	7.8134	0.1009	0.375267
<i>Vti1b</i>	chr12:79156016-79172667	35.1965	37.5312	0.0927	0.398493
<i>Hipk1</i>	chr3:103739814-103791563	59.9558	63.9695	0.0935	0.510470
<i>Yipf1</i>	chr4:107314362-107359823	5.3320	4.8874	-0.1256	0.193659
<i>Gm7418</i>	chr8:94835716-94836517	2.2004	1.6617	-0.4051	0.240862
<i>NA</i>	chr9:73008480-73015657	11.6988	10.5697	-0.1464	0.307671
<i>Ppp2r5d</i>	chr17:46682990-46705002	23.3510	24.8914	0.0922	0.447483
<i>Tjp3</i>	chr10:81273206-81291267	2.3652	2.0196	-0.2279	0.291614

<i>Hmg20b</i>	chr10:81346047-81350480	5.7149	5.1674	-0.1453	0.202031
<i>Gna11</i>	chr10:81528723-81545190	7.4907	6.8861	-0.1214	0.168131
<i>A230046K03Rik</i>	chr10:83543940-83596469	39.7658	36.9804	-0.1048	0.218683
<i>Gpr182</i>	chr10:127747275-127751732	0.5291	0.6599	0.3186	0.409500
<i>Gm11400</i>	chr11:3149741-3150955	6.8424	7.6085	0.1531	0.381992
<i>Gm12103</i>	chr11:30822241-30822670	1.7583	2.4056	0.4522	0.275825
<i>Ifj47</i>	chr11:49076586-49096974	146.2999	132.5749	-0.1421	0.353945
<i>Maml1</i>	chr11:50255633-50292311	6.8953	7.3649	0.0951	0.452058
<i>Gm25082</i>	chr11:51270434-51270689	30.3913	25.8309	-0.2346	0.309554
<i>Lrrc48</i>	chr11:60353328-60394341	0.3546	0.2725	-0.3797	0.151711
<i>Gabarap</i>	chr11:69991142-69994951	65.9552	71.2677	0.1118	0.474997
<i>Pelp1</i>	chr11:70392882-70410031	6.0387	5.4309	-0.1530	0.292777
<i>5730455P16Rik</i>	chr11:80360491-80378034	5.8549	6.2210	0.0875	0.364357
<i>Acaca</i>	chr11:84129671-84401651	3.8753	3.5312	-0.1341	0.267103
<i>Gm20390</i>	chr11:93949818-93968293	105.0795	93.4954	-0.1685	0.380559
<i>Nr1d1</i>	chr11:98767931-98775333	0.7714	0.9557	0.3092	0.425958
<i>Mettl2</i>	chr11:105126424-105140394	12.2856	11.3809	-0.1104	0.069904
<i>Gm11707</i>	chr11:106972057-106973090	12.9989	10.4539	-0.3143	0.377312
<i>E2f6</i>	chr12:16810964-16826743	7.3128	6.6340	-0.1405	0.116600
<i>Lin52</i>	chr12:84451507-84531533	4.6055	4.0640	-0.1805	0.168015
<i>Zfp369</i>	chr13:65278813-65304221	11.9686	11.1280	-0.1051	0.182529
<i>4833422C13Rik</i>	chr13:91701664-91741872	1.8350	2.0203	0.1388	0.407057
<i>Gm26943</i>	chr13:112884225-112885182	1.6334	1.2585	-0.3762	0.129758
<i>B430218F22Rik</i>	chr13:118386629-118388124	7.4754	8.4603	0.1786	0.452804
<i>Tmem128</i>	chr5:38260184-38269622	25.5236	23.4199	-0.1241	0.216154
<i>Bod1l</i>	chr5:4187541-41844168	35.7901	36.9275	0.0451	0.203146
<i>Rpl5</i>	chr5:107900501-107909005	24.6719	25.9585	0.0733	0.357859
<i>Abhd11os</i>	chr5:135012113-135013253	4.1059	3.3744	-0.2831	0.119847
<i>Gm26938</i>	chr5:139807977-139826407	5.5692	4.6413	-0.2629	0.200686
<i>Mios</i>	chr6:8209221-8236274	9.9153	9.1379	-0.1178	0.203013
<i>Tmem106b</i>	chr6:13069758-13089269	22.5905	23.4327	0.0528	0.313206
<i>Ndufa5</i>	chr6:24518665-24528013	23.1641	26.4042	0.1889	0.499706
<i>Podxl</i>	chr6:31519487-31563981	0.5779	0.4741	-0.2856	0.186107
<i>Ubn2</i>	chr6:38433949-38524825	6.7466	7.2969	0.1131	0.550824
<i>Gimap1</i>	chr6:48718606-48752600	80.5656	74.5105	-0.1127	0.232808
<i>Vhl</i>	chr6:113623958-113631633	12.2365	11.2316	-0.1236	0.162245
<i>Hnrnpf</i>	chr6:117900323-117925622	26.3939	24.2536	-0.1220	0.252336
<i>Gm26826</i>	chr6:122813625-122820614	2.7097	2.2568	-0.2639	0.234586
<i>Tapbp1</i>	chr6:125223932-125231860	54.1614	50.1288	-0.1116	0.263755
<i>Ergic2</i>	chr6:148179078-148212374	13.3686	14.0253	0.0692	0.365396
<i>Leng9</i>	chr7:4148182-4149872	7.3848	8.2467	0.1592	0.457581
<i>Rpl18</i>	chr7:45715456-45720835	63.4651	56.3817	-0.1707	0.395396
<i>Arrb1</i>	chr7:99535465-99606771	10.0027	9.2588	-0.1115	0.267016
<i>Atg16l2</i>	chr7:101289391-101302251	13.4432	12.2428	-0.1349	0.290497
<i>Nucb2</i>	chr7:116504368-116540554	3.6320	4.0697	0.1642	0.403088
<i>Prr14</i>	chr7:127459610-127476759	14.6733	15.6961	0.0972	0.453452
<i>Fus</i>	chr7:127967456-127982368	13.3846	14.4824	0.1137	0.524160
<i>Bnip3</i>	chr7:138890835-138909519	0.7872	0.9590	0.2848	0.216699
<i>Fadd</i>	chr7:144577317-144582463	3.9105	4.2072	0.1055	0.265170
<i>Arhgef18</i>	chr8:3393005-3456601	65.8261	61.3573	-0.1014	0.257944
<i>Stxbp2</i>	chr8:3630954-3643644	25.8419	27.0377	0.0653	0.427965
<i>Pgpep1</i>	chr8:70646435-70659738	1.3716	1.1598	-0.2419	0.282884
<i>Ccdc124</i>	chr8:70868226-70873490	30.9967	34.1204	0.1385	0.485171
<i>Dnaja2</i>	chr8:85537639-85555271	67.8540	72.4069	0.0937	0.442356
<i>Rltpr</i>	chr8:105690905-105698178	18.4827	16.6289	-0.1525	0.367187
<i>Glg1</i>	chr8:111154420-111259216	27.4838	25.3633	-0.1158	0.301926
<i>4933417D19Rik</i>	chr8:123235090-123242359	1.9285	1.5510	-0.3142	0.160465
<i>Msantd2</i>	chr9:37489320-37524148	13.1868	12.0806	-0.1264	0.185683
<i>Thy1</i>	chr9:44043383-44048579	294.8132	316.6010	0.1029	0.503065
<i>Dpagt1</i>	chr9:44326844-44333600	5.7160	6.1940	0.1159	0.179599
<i>Sema7a</i>	chr9:57940112-57962864	0.6780	0.8337	0.2982	0.419529
<i>Vwa9</i>	chr9:64960831-64986974	15.4609	16.1334	0.0614	0.186297
<i>Ccpg1os</i>	chr9:72979723-72985376	5.5355	6.5300	0.2384	0.337938
<i>5830418P13Rik</i>	chr9:103423577-103461255	0.4378	0.5649	0.3678	0.212830
<i>Rassf1</i>	chr9:107551554-107562263	14.3399	13.3877	-0.0991	0.099122
<i>Csrnp1</i>	chr9:119971165-119977250	10.0758	9.2447	-0.1242	0.162391
<i>Ubqln2</i>	chrX:153498231-153501537	3.4664	3.9065	0.1725	0.481093
<i>Gm1720</i>	chrX:166662024-166689812	1.7419	1.4162	-0.2986	0.139207
<i>Mroh1</i>	chr15:76380260-76453038	3.6816	3.3943	-0.1172	0.256494
<i>Npcd</i>	chr15:79789674-79834237	3.9059	3.3116	-0.2382	0.275877
<i>Ndufa6</i>	chr15:82350138-82354291	144.5147	157.6254	0.1253	0.483579

<i>C230037L18Rik</i>	chr15:89476235-89484847	1.9906	1.6732	-0.2506	0.210828
<i>Rpl39-ps</i>	chr15:102634981-102635336	7.1960	5.7294	-0.3288	0.293397
<i>Atp5g2</i>	chr15:102663013-102667749	2.8615	2.1053	-0.4428	0.173938
<i>Sec24c</i>	chr14:20674320-20694850	50.9828	47.6494	-0.0976	0.222244
<i>Comtd1</i>	chr14:21845860-21848977	7.0859	6.3776	-0.1519	0.216808
<i>Ankrd28</i>	chr14:31700014-31830415	11.1125	11.7850	0.0848	0.473802
<i>Tulp4</i>	chr17:6106436-6251128	3.4822	3.6569	0.0706	0.291720
<i>Gm26694</i>	chr17:25794893-25964784	8.7537	7.8656	-0.1543	0.230960
<i>Tbc1d22bos</i>	chr17:29578815-29596305	3.9833	3.4634	-0.2018	0.234425
<i>Akap8l</i>	chr17:32321424-32350581	57.2802	53.6704	-0.0939	0.119601
<i>Ppp1r11</i>	chr17:36948355-36951741	27.0927	29.0717	0.1017	0.448233
<i>Znrd1</i>	chr17:36954357-36958559	36.7616	33.2234	-0.1460	0.243283
<i>4930565N06Rik</i>	chr16:36880518-36897189	2.2557	1.9326	-0.2230	0.181731
<i>Mus81</i>	chr19:5482344-5488402	12.7878	11.6158	-0.1387	0.289025
<i>Atg2a</i>	chr19:6241667-6262335	9.8648	8.7942	-0.1657	0.411775
<i>Tmem109</i>	chr19:10870659-10882001	5.3728	4.8829	-0.1379	0.165783
<i>Bend6</i>	chr1:33852051-33907816	0.4332	0.5544	0.3557	0.362237
<i>Gm15834</i>	chr1:58505147-58523230	1.3541	1.5384	0.1841	0.406699
<i>Rab3gap1</i>	chr1:127868772-127943868	24.2878	22.8625	-0.0872	0.042273
<i>Pou2f1</i>	chr1:165865153-166002678	8.6259	9.1996	0.0929	0.511074
<i>Usp21</i>	chr1:171281944-171287991	5.1830	5.5013	0.0860	0.285652
<i>Ik</i>	chr18:36744655-36757639	89.1913	95.2520	0.0948	0.464988
<i>Gnpda1</i>	chr18:38327557-38339003	6.4660	7.0762	0.1301	0.395410
<i>Cd226</i>	chr18:89197430-89270201	115.6921	104.8891	-0.1414	0.350982
<i>Man1b1</i>	chr2:25332337-25352212	14.6280	13.5822	-0.1070	0.196085
<i>Exosc2</i>	chr2:31670714-31681350	23.8495	21.9787	-0.1179	0.166491
<i>Gm26558</i>	chr2:70661247-70662108	4.1638	4.8615	0.2235	0.289232
<i>Rbm45</i>	chr2:76369983-76383768	45.7873	42.7231	-0.0999	0.089868
<i>Gm10762</i>	chr2:128966592-128967725	8.3584	7.3452	-0.1864	0.223730
<i>0610039K10Rik</i>	chr2:163644849-163645800	3.0882	2.5211	-0.2927	0.190903
<i>Pcmt2</i>	chr2:181837853-181857461	37.7708	35.5305	-0.0882	0.045772
<i>Armc1</i>	chr3:19132145-19163065	14.6498	13.4340	-0.1250	0.200579
<i>Mtfr1</i>	chr3:19187326-19220817	12.8450	13.3968	0.0607	0.213529
<i>Tsc22d2</i>	chr3:58415688-58466787	6.9009	6.3725	-0.1149	0.250172
<i>Smc4</i>	chr3:69004737-69034623	226.9471	237.2383	0.0640	0.393980
<i>Il6ra</i>	chr3:89869323-89913162	41.8375	44.4646	0.0879	0.487820
<i>Ilf2</i>	chr3:90476200-90488379	50.3288	52.2389	0.0537	0.242994
<i>Gm5070</i>	chr3:95410345-95411176	1.0343	0.7010	-0.5612	0.263643
<i>Msh4</i>	chr3:153857146-153906138	0.3724	0.2755	-0.4345	0.240503
<i>Gm25692</i>	chr4:45396993-45397118	10.7282	7.9628	-0.4301	0.232299
<i>Gm12785</i>	chr4:101210415-101210587	7.0678	4.9291	-0.5199	0.346968
<i>Pars2</i>	chr4:106651068-106655282	6.0961	5.5549	-0.1341	0.074845
<i>Man1c1</i>	chr4:134561689-134704290	0.5227	0.4166	-0.3274	0.341629
<i>Samd11</i>	chr4:156246972-156255338	14.8988	15.9118	0.0949	0.422796
<i>Snord89</i>	chr1:39548744-39548854	7.9705	5.3221	-0.5827	0.248984
<i>Csf1</i>	chr3:107741047-107760469	0.1146	0.1666	0.5408	0.362357
<i>Commd2</i>	chr3:57642903-57651715	4.6153	4.1426	-0.1559	0.261834
<i>Gm867</i>	chr10:75937720-75940672	0.6671	0.9243	0.4704	0.328309
<i>Arhgef26</i>	chr3:62338343-62462221	0.4979	0.5833	0.2283	0.418481
<i>Os9</i>	chr10:127094258-127121160	57.6093	60.4384	0.0692	0.461894
<i>Papd4</i>	chr13:93147399-93192283	9.2765	10.1775	0.1337	0.463427
<i>Pik3cb</i>	chr9:99038401-99140621	2.0136	1.7957	-0.1653	0.182562
<i>F630028O10Rik</i>	chrX:96239941-96243636	0.2426	0.3608	0.5728	0.521795
<i>Grap2</i>	chr15:80623504-80650559	138.0667	127.2099	-0.1182	0.272713
<i>Slc23a1</i>	chr18:35614603-35627244	1.2219	1.3946	0.1907	0.160654
<i>Anxa5</i>	chr3:36448924-36475843	43.8288	39.5235	-0.1492	0.344604
<i>Emc1</i>	chr4:139352586-139378730	16.0758	14.8931	-0.1103	0.270864
<i>Gm26534</i>	chr11:60879117-60887218	1.2437	1.5044	0.2745	0.307987
<i>Ovca2</i>	chr11:75175941-75178835	17.4639	18.3619	0.0723	0.309546
<i>Mob3a</i>	chr10:80685255-80701820	107.3482	99.4746	-0.1099	0.221165
<i>Galnt12</i>	chr4:47091908-47123070	18.8578	17.3128	-0.1233	0.212992
<i>Gm17130</i>	chr5:32005976-32010863	1.4466	1.6782	0.2142	0.373952
<i>Anln</i>	chr9:22331213-22389206	1.2137	1.4075	0.2137	0.496823
<i>Gm10226</i>	chr17:21691859-21692114	10.0177	11.7270	0.2273	0.108702
<i>Zdhhc7</i>	chr8:120081094-120101482	13.5385	12.5854	-0.1053	0.110639
<i>Zfp287</i>	chr11:62700355-62731905	4.3044	4.5733	0.0874	0.411162
<i>1700027A07Rik</i>	chr15:78911965-78913660	9.4015	7.8365	-0.2627	0.291905
<i>Kat5</i>	chr19:5603016-5610094	32.5177	33.9830	0.0636	0.292326
<i>Rilpl2</i>	chr5:124463264-124478366	13.2047	11.7391	-0.1697	0.275946
<i>Sbds</i>	chr5:130245730-130255530	38.9294	40.6812	0.0635	0.286479
<i>E430025E21Rik</i>	chr15:59331997-59374167	15.8874	16.7305	0.0746	0.406351

<i>1700037C18Rik</i>	chr16:3895178-3908689	10.4918	11.1229	0.0843	0.369100
<i>Atp5a1</i>	chr18:7773728-77782869	229.2586	213.7134	-0.1013	0.177568
<i>Gm22275</i>	chr11:53701178-53701488	5.4784	4.2179	-0.3772	0.252718
<i>Prmt7</i>	chr8:106210935-106252794	7.5626	7.0428	-0.1027	0.039497
<i>Tvp23a</i>	chr16:10420556-10447362	9.1615	8.4551	-0.1158	0.114576
<i>Epb4.1l5</i>	chr1:119545032-119649000	0.1496	0.1914	0.3555	0.254176
<i>Gm16933</i>	chr8:25037051-25041757	21.9780	20.0888	-0.1297	0.271613
<i>Gdf11</i>	chr10:128882294-128891718	4.9839	5.3834	0.1113	0.427238
<i>NA</i>	chr11:58327720-58330339	12.7336	11.5814	-0.1368	0.266907
<i>Arhgef40</i>	chr14:51984718-52006251	0.0731	0.1005	0.4600	0.369482
<i>Gm10382</i>	chr5:125389321-125390554	4.0498	4.6496	0.1993	0.390422
<i>Pcbp1</i>	chr6:86524498-86526171	17.1596	15.6775	-0.1303	0.213413
<i>Mtcp1</i>	chrX:75410443-75416588	11.7902	10.8960	-0.1138	0.205400
<i>4430402118Rik</i>	chr19:28901267-28967800	0.4511	0.3340	-0.4337	0.276903
<i>mt-Th</i>	chrM:11545-11612	15.0313	10.5780	-0.5069	0.243726
<i>Rnft1</i>	chr11:86484656-86499025	12.5107	13.2045	0.0779	0.416187
<i>Supt20</i>	chr3:54693104-54716837	41.8737	43.7653	0.0637	0.381265
<i>Trim23</i>	chr13:104178796-104203372	9.9290	10.4619	0.0754	0.369358
<i>Ube3b</i>	chr5:114380627-114421168	16.7679	15.4768	-0.1156	0.281908
<i>Nrg4</i>	chr9:55220221-55326844	2.9309	2.6654	-0.1370	0.115709
<i>Eif3l</i>	chr15:79075222-79094400	102.6657	107.0918	0.0609	0.355067
<i>Ptpcr</i>	chr1:138062860-138175706	627.5000	657.1306	0.0666	0.463635
<i>Gm14325</i>	chr2:177831790-177840336	3.6722	4.0768	0.1508	0.096828
<i>Cct4</i>	chr11:22990518-23003780	77.2900	71.0028	-0.1224	0.305654
<i>1700030C12Rik</i>	chr11:23497752-23499661	1.8371	1.4257	-0.3658	0.309728
<i>Rangrf</i>	chr11:68972483-68975185	1.5241	1.9318	0.3420	0.356907
<i>Cc2d2a</i>	chr5:43662378-43740972	0.1377	0.1816	0.3995	0.281619
<i>Loxl3</i>	chr6:83034172-83052562	2.3590	2.5598	0.1179	0.139385
<i>Ogg1</i>	chr6:113326971-113335068	6.2249	5.5326	-0.1701	0.218796
<i>Ninj2</i>	chr6:120093349-120200339	1.3521	0.9486	-0.5113	0.272575
<i>E2f8</i>	chr7:48866428-48881596	0.3477	0.4701	0.4352	0.518113
<i>Eif3c</i>	chr7:126546454-126566411	97.5597	100.6879	0.0455	0.252039
<i>Spc24</i>	chr9:21755441-21760286	2.4542	2.9087	0.2451	0.426660
<i>Rab3d</i>	chr9:21907490-21918192	4.1131	3.5982	-0.1929	0.366615
<i>Smd10</i>	chrX:140948428-140956728	15.0017	16.2228	0.1129	0.399666
<i>Gnl3l</i>	chrX:150983140-151017322	19.8093	18.5499	-0.0948	0.083704
<i>Gm25238</i>	chr19:60580528-60580617	34.0171	28.0480	-0.2784	0.197912
<i>Tmem167b</i>	chr3:108556424-108562466	23.9475	25.3084	0.0797	0.406805
<i>Gm26004</i>	chr1:181840452-181840568	12.5850	15.7653	0.3250	0.241667
<i>Zbtb34</i>	chr2:33406107-33431324	1.3428	1.1653	-0.2046	0.339949
<i>Patz1</i>	chr11:3288873-3309083	15.6327	14.5212	-0.1064	0.236763
<i>Zzef1</i>	chr11:72796225-72927120	18.1378	16.6846	-0.1205	0.343052
<i>Aarsd1</i>	chr11:101406838-101417615	10.3270	9.3640	-0.1412	0.223025
<i>Snx25</i>	chr8:46033260-46152159	11.9010	10.9004	-0.1267	0.282018
<i>Mapk8ip3</i>	chr17:24892152-24936977	16.9845	16.0610	-0.0807	0.104002
<i>4833413E03Rik</i>	chr17:31557125-31559113	0.6368	0.8600	0.4335	0.355326
<i>Lrrc51</i>	chr7:101912983-101933895	3.8903	3.3261	-0.2260	0.106526
<i>Clcn2</i>	chr16:20702963-20717746	0.6462	0.7338	0.1833	0.091498
<i>Fos</i>	chr12:85473889-85477273	3.1387	3.7067	0.2400	0.562074
<i>Scml4</i>	chr10:42860369-42960780	35.5550	33.5220	-0.0849	0.120655
<i>Bri3</i>	chr5:144244436-144446757	1.9492	1.6262	-0.2613	0.125883
<i>Rpl14-ps1</i>	chr7:45324940-45325651	217.6991	270.3339	0.3124	0.337980
<i>Mapk11</i>	chr15:89142485-89149606	4.2567	4.7601	0.1613	0.440135
<i>Gm15538</i>	chr16:3926427-3926740	4.1984	3.0612	-0.4558	0.357788
<i>Usp7</i>	chr16:8689594-8792308	64.8881	61.0162	-0.0888	0.158474
<i>Gm4204</i>	chr1:135232044-135233404	0.7440	1.0236	0.4603	0.394293
<i>Rhbdf1</i>	chr11:32209584-32222300	0.2193	0.1577	-0.4764	0.247777
<i>0610009B22Rik</i>	chr11:51685385-51688874	4.6498	3.9149	-0.2482	0.250401
<i>Cdc27</i>	chr11:104502744-104550620	19.7024	20.5648	0.0618	0.344931
<i>Cdkal1</i>	chr13:29191745-29855674	3.6768	3.8663	0.0725	0.340346
<i>Plekha2</i>	chr8:25039143-25102194	38.3868	36.2807	-0.0814	0.041625
<i>Gsr</i>	chr8:33652522-33698163	14.2621	15.1540	0.0875	0.390088
<i>Jund</i>	chr8:70697738-70700616	54.4046	60.2514	0.1473	0.548576
<i>Mtfmt</i>	chr9:65435781-65453054	7.9007	8.3732	0.0838	0.291788
<i>Pigb</i>	chr9:73015695-73039699	5.3428	4.7144	-0.1805	0.305708
<i>Dalrd3</i>	chr9:108569891-108572771	39.0080	36.0126	-0.1153	0.200362
<i>Gm15835</i>	chr16:4777742-4779454	2.0932	2.9305	0.4854	0.340505
<i>Gm6136</i>	chr1:86908761-86909703	1.9830	2.4554	0.3083	0.351939
<i>Gm26910</i>	chr18:67773711-67774857	6.4110	7.4551	0.2177	0.378584
<i>Tnks</i>	chr8:34829178-34965690	11.0393	10.1353	-0.1233	0.311039
<i>Gas7</i>	chr11:67455436-67688990	0.4955	0.6936	0.4853	0.362497

<i>Irgq</i>	chr7:24530647-24538599	4.3224	4.6083	0.0924	0.402482
<i>Stard3nl</i>	chr13:19357676-19395752	8.5598	7.5268	-0.1855	0.254883
<i>Limd2</i>	chr11:106156255-106160860	212.6694	196.9780	-0.1106	0.265615
<i>Igj</i>	chr5:88520511-88527891	0.9222	0.6233	-0.5652	0.482601
<i>Ephx1</i>	chr1:180976154-181020904	40.1493	42.6078	0.0857	0.464412
<i>Rab6b</i>	chr9:103112073-103185270	4.2841	4.7542	0.1502	0.419274
<i>Ulbp1</i>	chr10:7444872-7473477	6.1211	5.3905	-0.1834	0.308458
<i>Pofut2</i>	chr10:77259299-77269586	14.0291	12.8766	-0.1237	0.215993
<i>Slc43a2</i>	chr11:75531693-75577575	10.7494	9.8365	-0.1280	0.355302
<i>Ypel2</i>	chr11:86936424-86993707	0.8205	0.9796	0.2557	0.437581
<i>Dynll2</i>	chr11:87979524-87987533	3.2802	2.8567	-0.1995	0.276910
<i>Rhbdf2</i>	chr11:116598164-116627019	2.5147	2.7562	0.1323	0.415256
<i>Srsf2</i>	chr11:116849900-116853094	127.4010	119.8368	-0.0883	0.177587
<i>Gm10451</i>	chr12:76444559-76451336	4.5925	2.5607	-0.8427	0.315248
<i>Mrpl36</i>	chr13:73331008-73332175	35.5893	31.7967	-0.1626	0.352879
<i>Lrrc14b</i>	chr13:74359577-74364005	2.3326	2.0141	-0.2118	0.259658
<i>Lysmd3</i>	chr13:81657805-81671888	21.5001	22.7309	0.0803	0.386014
<i>Sgtb</i>	chr13:104109740-104141735	0.7499	0.6028	-0.3151	0.199997
<i>Hadhb</i>	chr5:30155247-30184593	6.4446	6.7753	0.0722	0.293697
<i>Cnot4</i>	chr6:35022065-35133737	9.8294	10.3712	0.0774	0.429011
<i>Hnrnpa2b1</i>	chr6:51460433-51469894	159.3900	149.1721	-0.0956	0.154993
<i>Ppp4r2</i>	chr6:100833637-100868717	13.4329	12.2295	-0.1354	0.288199
<i>Mical3</i>	chr6:121007240-121081609	0.9129	0.7183	-0.3457	0.331911
<i>Ccdc9</i>	chr7:16274041-16286795	8.2269	7.4823	-0.1369	0.317657
<i>Snord88a</i>	chr7:44250134-44250224	9.7426	12.6633	0.3783	0.129918
<i>Car11</i>	chr7:45699842-45704682	0.3494	0.5028	0.5252	0.335471
<i>Cib1</i>	chr7:80227155-80232813	16.1003	14.8267	-0.1189	0.128029
<i>Bag3</i>	chr7:128523582-128546977	0.6309	0.4859	-0.3767	0.188284
<i>Vps37a</i>	chr8:40511782-40551134	14.9485	13.7413	-0.1215	0.310044
<i>Haus8</i>	chr8:71248560-71272934	4.9100	5.1998	0.0827	0.325284
<i>Nup93</i>	chr8:94214596-94315066	18.8352	17.6336	-0.0951	0.040823
<i>Wwox</i>	chr8:114439654-115352708	1.6139	1.7663	0.1302	0.439071
<i>Emc8</i>	chr8:120653913-120668573	4.5019	4.1308	-0.1241	0.182394
<i>Maml2</i>	chr9:13619989-13709533	10.9515	11.7235	0.0983	0.512068
<i>Ackr4</i>	chr9:104098137-104126643	0.5809	0.4347	-0.4182	0.142151
<i>Xpnpep2</i>	chrX:48108724-48136981	0.1578	0.2140	0.4394	0.278922
<i>Trappc9</i>	chr15:72589620-73061204	7.4410	6.7773	-0.1348	0.344532
<i>Grina</i>	chr15:76246806-76249904	23.1529	24.9122	0.1057	0.488699
<i>Extl3</i>	chr14:65052059-65098106	10.5036	9.6113	-0.1281	0.326169
<i>Haghl</i>	chr17:25779842-25785673	9.0215	9.5321	0.0794	0.271659
<i>H2-T22</i>	chr17:36037127-36042747	41.5899	38.2820	-0.1196	0.272241
<i>Gm26904</i>	chr17:46471500-46825221	3.1533	3.6033	0.1924	0.397735
<i>Slc3a1</i>	chr17:85028346-85064243	1.0297	0.8351	-0.3021	0.135552
<i>Clec16a</i>	chr16:10545338-10744878	3.8224	4.1408	0.1154	0.509404
<i>Zfp654</i>	chr16:64780350-64786321	18.3691	19.4143	0.0798	0.487882
<i>Bbs1</i>	chr19:4886897-4906627	0.2833	0.3518	0.3122	0.359375
<i>Vcpip1</i>	chr1:9718621-9748382	14.9367	15.5569	0.0587	0.467202
<i>Ankrd44</i>	chr1:54645339-54926387	43.3754	44.9641	0.0519	0.425001
<i>Hspe1</i>	chr1:55088131-55091307	24.9246	21.4235	-0.2184	0.467466
<i>Rps14</i>	chr18:60774509-60778546	381.0020	335.6962	-0.1826	0.426638
<i>Dcaf17</i>	chr2:71055327-71099142	7.2784	7.6514	0.0721	0.428985
<i>Rapgef4os1</i>	chr2:72097602-72148796	2.8584	2.1740	-0.3949	0.328200
<i>Hypk</i>	chr2:121453289-121458672	10.6496	11.5809	0.1210	0.503906
<i>Cables2</i>	chr2:180258539-180273496	11.5533	10.5863	-0.1261	0.306248
<i>Gatb</i>	chr3:85574118-85655622	4.9112	4.4417	-0.1450	0.271639
<i>Kcna2</i>	chr3:107101566-107106879	7.4739	6.8574	-0.1242	0.148501
<i>Frrs1</i>	chr3:116878226-116903750	7.5501	8.2269	0.1239	0.485872
<i>1810037117Rik</i>	chr3:122924361-122926193	22.5676	24.5888	0.1238	0.429925
<i>Leprot</i>	chr4:101647717-101659364	12.4639	13.2228	0.0853	0.324989
<i>Gm13207</i>	chr4:148031553-148032326	1.6626	1.2271	-0.4381	0.221939
<i>Kcnh2</i>	chr5:24319588-24351604	1.5243	1.3109	-0.2176	0.343457
<i>0610030E20Rik</i>	chr6:72347316-72353158	10.5912	11.2359	0.0853	0.470899
<i>Rnf170</i>	chr8:26119367-26143871	3.8550	4.1094	0.0922	0.259341
<i>NA</i>	chr8:122443655-122445647	10.1600	9.1454	-0.1518	0.244092
<i>Trav3-3</i>	chr14:53665928-53666505	5.0874	3.9721	-0.3570	0.279495
<i>Slc25a24</i>	chr3:109123148-109168457	3.6877	3.9913	0.1142	0.370804
<i>Gm10275</i>	chr10:29698745-29699379	5.4390	4.2638	-0.3512	0.448929
<i>NA</i>	chr12:84417193-84418577	13.5918	14.9637	0.1387	0.484591
<i>Rnf113a2</i>	chr12:84417195-84418578	13.5918	14.9637	0.1387	0.484591
<i>Amer1</i>	chrX:95420317-95444872	5.1929	4.8072	-0.1114	0.189785
<i>Dlgap5</i>	chr14:47387778-47418407	2.8685	3.1392	0.1301	0.504897

<i>Gm13608</i>	chr2:31985058-31986464	1.9295	2.2851	0.2440	0.396477
<i>Ly75</i>	chr2:60292102-60383303	38.7033	35.5723	-0.1217	0.360934
<i>Arid5b</i>	chr10:68095592-68278726	7.3314	7.9089	0.1094	0.499977
<i>Dnah10</i>	chr5:124725084-124834308	0.0809	0.0586	-0.4662	0.261261
<i>Zcwpw1</i>	chr5:137787797-137822621	10.4770	11.2086	0.0974	0.435820
<i>Smo</i>	chr6:29735693-29761365	0.4173	0.3076	-0.4401	0.328790
<i>Skap2</i>	chr6:51859165-52012549	4.3370	4.8163	0.1512	0.370490
<i>Ing4</i>	chr6:125039759-125051499	12.6603	11.8393	-0.0967	0.123455
<i>Gpaa1</i>	chr15:76331230-76334907	10.7360	9.7181	-0.1437	0.337073
<i>Ncf4</i>	chr15:78244800-78262580	25.8310	27.2527	0.0773	0.459481
<i>Troap</i>	chr15:99074972-99083407	0.3958	0.5420	0.4537	0.396125
<i>Zfp407</i>	chr18:84128026-84589725	7.2967	7.6051	0.0597	0.440910
<i>Ensa</i>	chr3:95624979-95632102	36.0905	33.2605	-0.1178	0.266276
<i>Shb</i>	chr4:45423277-45532470	0.1886	0.2649	0.4900	0.249045
<i>Trmt61a</i>	chr12:111678104-111683902	9.8687	8.9342	-0.1435	0.242948
<i>Tsr2</i>	chrX:151087093-151096543	7.3807	7.8879	0.0959	0.408419
<i>1700037H04Rik</i>	chr2:131146324-131160081	4.2398	3.6748	-0.2063	0.307656
<i>Kcnab1</i>	chr3:65109383-65378223	0.4950	0.4145	-0.2560	0.303940
<i>Rhbdd2</i>	chr5:135632617-135646448	2.7118	2.9607	0.1267	0.498462
<i>Chrna2</i>	chr14:66140959-66152948	1.4941	1.7061	0.1914	0.394779
<i>Fam73b</i>	chr2:30364232-30385521	2.5071	2.2460	-0.1587	0.293795
<i>Emc7</i>	chr2:112454996-112472162	10.1955	9.4471	-0.1100	0.162703
<i>Dffa</i>	chr4:149104145-149120647	9.9856	9.1614	-0.1243	0.196485
<i>Rps9</i>	chr7:3703992-3706901	309.1797	277.3235	-0.1569	0.398334
<i>Trp53</i>	chr11:69580358-69591873	16.1890	14.7495	-0.1344	0.361140
<i>Rufy3</i>	chr5:88583573-88642671	1.7602	1.5103	-0.2209	0.357353
<i>Gimap9</i>	chr6:48676128-48679114	116.3811	122.6644	0.0759	0.444900
<i>Sphk2</i>	chr7:45709466-45718002	13.3528	14.0835	0.0769	0.416531
<i>Fancb</i>	chrX:164980591-164997272	2.7745	2.4291	-0.1918	0.244728
<i>Rmdn2</i>	chr17:79614899-79682152	1.5279	1.8039	0.2395	0.346778
<i>Prpf40a</i>	chr2:53134703-53191284	24.5770	25.5380	0.0553	0.367872
<i>Zfp408</i>	chr2:91643668-91649791	12.4204	11.5552	-0.1042	0.144918
<i>Zbtb7b</i>	chr3:89377643-89394776	0.3506	0.4453	0.3450	0.528125
<i>Cnnm4</i>	chr1:36471619-36508764	3.2335	2.8437	-0.1853	0.378101
<i>Vat1</i>	chr11:101458744-101466230	8.0549	7.3234	-0.1374	0.258234
<i>Ankmy2</i>	chr12:36157123-36197291	25.4677	26.6126	0.0634	0.329458
<i>Ppm1g</i>	chr5:31202667-31220545	64.5434	59.4809	-0.1178	0.290529
<i>Zfp317</i>	chr9:19641223-19648048	33.6477	31.1998	-0.1090	0.160824
<i>Thrb</i>	chr14:17660959-18038088	0.8416	0.9584	0.1875	0.423514
<i>Nudt5</i>	chr2:5845018-5871895	9.5774	8.8395	-0.1157	0.225467
<i>Ada</i>	chr2:163726583-163750239	6.6836	6.0020	-0.1552	0.160932
<i>Stx11</i>	chr10:12939982-12964259	2.0582	2.3869	0.2138	0.477277
<i>Gm16365</i>	chr10:39558495-39613682	3.2808	2.7638	-0.2474	0.314626
<i>Smg6</i>	chr11:74925822-75164448	12.3534	12.8740	0.0596	0.416114
<i>Rtn4r1</i>	chr11:75193782-75267769	7.3985	6.7151	-0.1398	0.309053
<i>Hsd17b1</i>	chr11:101078410-101080527	0.6423	0.4198	-0.6137	0.248773
<i>Slc12a7</i>	chr13:73763696-73816743	68.1874	63.5925	-0.1006	0.259487
<i>4930522L14Rik</i>	chr5:109735989-109751886	6.4600	7.2428	0.1650	0.531146
<i>Hip1</i>	chr5:135406522-13545122	0.7606	1.0605	0.4795	0.376310
<i>0610040B10Rik</i>	chr5:143329246-143332704	1.5231	1.9483	0.3552	0.298970
<i>Ifi30</i>	chr8:70762773-70766663	9.8815	10.7568	0.1224	0.183228
<i>Mcrs1</i>	chr15:99242817-99251961	7.3785	6.6372	-0.1528	0.210727
<i>Syt15</i>	chr14:34219594-34230421	0.1537	0.2082	0.4382	0.312767
<i>Trav14d-3-dv8</i>	chr14:53078579-53079045	4.3393	5.4074	0.3175	0.323200
<i>D16Erd472e</i>	chr16:78544011-78576657	42.9316	40.1334	-0.0972	0.115701
<i>Gm10125</i>	chr18:5491502-5593505	0.7044	0.7959	0.1762	0.379115
<i>Nacc2</i>	chr2:26055534-26123220	2.3832	2.7602	0.2119	0.549340
<i>Gm24494</i>	chr3:153911609-153911690	24.1767	29.9422	0.3086	0.362218
<i>Lrrc40</i>	chr3:158036661-158068478	7.2259	7.6426	0.0809	0.379004
<i>Snip1</i>	chr4:125066671-125074042	25.4199	23.4922	-0.1138	0.199997
<i>Rbm44</i>	chr1:91145102-91170795	0.2453	0.5931	1.2738	0.283387
<i>Alg11</i>	chr8:22060720-22071627	10.8799	9.9957	-0.1223	0.250364
<i>Senp6</i>	chr9:80066902-80144953	43.8045	45.4837	0.0543	0.348392
<i>Gm20417</i>	chr19:5797561-5798549	891.2016	788.6527	-0.1764	0.475389
<i>Tmem208</i>	chr8:105326353-105335219	27.5252	25.4725	-0.1118	0.156205
<i>Ccdc82</i>	chr9:13246981-13289409	44.2412	46.4498	0.0703	0.375466
<i>Trbj2-2</i>	chr6:41542956-41543007	169.5101	146.9817	-0.2057	0.295671
<i>Heca</i>	chr10:17900465-17948067	65.2510	61.7317	-0.0800	0.074234
<i>Pias4</i>	chr10:81153265-81167923	6.9835	6.3307	-0.1416	0.318274
<i>Snrpf</i>	chr10:93583028-93589706	19.0159	16.5433	-0.2010	0.407649
<i>Fam64a</i>	chr11:72042031-72047370	0.6857	0.8630	0.3318	0.439396

<i>Eral1</i>	chr11:78073375-78080383	13.0140	13.7915	0.0837	0.337285
<i>Rala</i>	chr13:17880574-17944239	19.7996	21.5105	0.1196	0.482584
<i>A730081D07Rik</i>	chr13:40956413-41001151	0.7752	0.9581	0.3056	0.289687
<i>Sec31a</i>	chr5:100361648-100416234	15.3976	15.9936	0.0548	0.407871
<i>Sbno1</i>	chr5:124368701-124425914	34.3795	35.4774	0.0454	0.418729
<i>Eefsec</i>	chr6:88257333-88446539	16.8549	17.7783	0.0769	0.398602
<i>Aebp2</i>	chr6:140622448-140678472	20.3027	19.0101	-0.0949	0.202624
<i>Pde2a</i>	chr7:101421690-101512829	51.7038	56.2591	0.1218	0.539163
<i>Trim30a</i>	chr7:104409024-104465193	65.7854	70.3746	0.0973	0.537838
<i>Phkg2</i>	chr7:127573339-127583305	17.6799	18.3695	0.0552	0.363724
<i>1110032A03Rik</i>	chr9:50762827-50775520	3.3737	3.6458	0.1119	0.455873
<i>Car12</i>	chr9:66713685-66766845	3.3500	3.7158	0.1495	0.497965
<i>Adam10</i>	chr9:70678996-70780229	27.1224	28.3187	0.0623	0.428684
<i>lfrd2</i>	chr9:107587717-107593038	17.7846	16.3004	-0.1257	0.250606
<i>Slc25a53</i>	chrX:136981115-137038302	3.6650	3.3748	-0.1190	0.177663
<i>Hnrnp1l</i>	chr17:80029486-80062334	9.3544	8.5746	-0.1256	0.210128
<i>Sos1</i>	chr17:80393751-80480453	7.5023	8.1328	0.1164	0.561089
<i>lldr1</i>	chr16:36693977-36726804	1.6839	1.9222	0.1910	0.494192
<i>Pcnp</i>	chr16:56007244-56029739	17.8206	18.8814	0.0834	0.432738
<i>Copa</i>	chr1:172082528-172122330	46.8115	44.0004	-0.0893	0.121843
<i>Gm10517</i>	chr1:182408618-182409020	1.5430	2.0967	0.4425	0.210490
<i>Pik3c3</i>	chr18:30272746-30348126	22.1741	22.9336	0.0486	0.206016
<i>Gm24875</i>	chr2:25031349-25031453	6.5030	8.7760	0.4325	0.200771
<i>Traf1</i>	chr2:34941749-34961772	35.4745	36.7300	0.0502	0.437819
<i>Zdhhc5</i>	chr2:84687969-84715180	21.9591	20.6255	-0.0904	0.119451
<i>Gm23650</i>	chr2:130277696-130277766	25.6068	18.4564	-0.4724	0.373038
<i>Serinc3</i>	chr2:163623271-163645131	77.7295	80.2617	0.0462	0.376392
<i>Bmp7</i>	chr2:172868011-172940321	0.2498	0.1768	-0.4986	0.292566
<i>Gm14292</i>	chr2:179177424-179177880	2.2148	2.8407	0.3591	0.216489
<i>Gm5466</i>	chr2:181896822-181898712	0.5192	0.3792	-0.4533	0.177206
<i>Trim45</i>	chr3:100922201-100936925	0.6200	0.5200	-0.2538	0.177010
<i>Spata1</i>	chr3:146457202-146499753	4.1532	4.4452	0.0980	0.372990
<i>Inip</i>	chr4:59769636-59801589	10.4663	10.9688	0.0677	0.386833
<i>Slc35e2</i>	chr4:155601415-155623340	20.3707	19.1039	-0.0926	0.166106
<i>Krcc1</i>	chr6:71272018-71285318	59.0016	62.6978	0.0877	0.476059
<i>Jmjd1c</i>	chr10:67096124-67256326	20.8325	21.6537	0.0558	0.467415
<i>Gm26982</i>	chr6:113714970-113716121	8.9276	7.9326	-0.1705	0.251959
<i>Gm22204</i>	chr8:3615528-3615855	6.9152	5.5657	-0.3132	0.241379
<i>Genpn</i>	chr8:116921739-116941503	1.7984	2.0755	0.2067	0.318363
<i>Thoc2</i>	chrX:41794990-41920674	27.1994	28.2682	0.0556	0.413681
<i>Ubox5</i>	chr2:130590001-130630038	6.1896	5.7050	-0.1176	0.174165
<i>Gm16213</i>	chr3:152920239-152921399	2.6200	3.1968	0.2871	0.316398
<i>Ins13</i>	chr8:71689213-71690575	21.4556	24.4833	0.1904	0.546742
<i>Sdhaf2</i>	chr19:10500512-10525209	17.7960	18.6936	0.0710	0.381337
<i>9330151L19Rik</i>	chr12:69197210-69199868	12.2166	11.2591	-0.1178	0.208564
<i>Ylpm1</i>	chr12:84996320-85070515	6.4960	7.0038	0.1086	0.560922
<i>Whsc1</i>	chr5:33820724-33897975	4.1772	4.5558	0.1252	0.570413
<i>Arglu1</i>	chr8:8666576-8690537	117.8741	110.8782	-0.0883	0.148479
<i>Cep295</i>	chr9:15316914-15357788	13.8432	14.4692	0.0638	0.490479
<i>Mcam</i>	chr9:44134468-44142727	0.5629	0.6972	0.3088	0.460184
<i>Rpp14</i>	chr14:8090077-8090554	28.8861	31.1128	0.1071	0.348801
<i>Arhgap19</i>	chr19:41766587-41802084	1.8201	2.0553	0.1753	0.525535
<i>Mtf1</i>	chr4:124802103-124849800	4.4953	4.1647	-0.1102	0.200109
<i>Zswim6</i>	chr13:107724617-107890064	12.1945	12.7799	0.0676	0.373620
<i>Kcnn5</i>	chr12:74897216-75177332	0.3103	0.2302	-0.4311	0.298291
<i>Rgs12</i>	chr5:34949444-35039644	1.1599	1.0053	-0.2064	0.355975
<i>A630023P12Rik</i>	chr5:110514922-110525980	3.1963	3.7868	0.2445	0.471867
<i>Dlat</i>	chr9:50634632-50659780	9.1832	9.6200	0.0670	0.377409
<i>Stat4</i>	chr1:51987147-52107188	104.0719	107.8977	0.0521	0.401162
<i>Gm5533</i>	chr1:181851573-181853189	0.9967	0.7121	-0.4851	0.357616
<i>Impact</i>	chr18:12972251-12992948	12.7859	13.5519	0.0839	0.467485
<i>Klf13</i>	chr7:63886350-63938915	42.6118	38.8301	-0.1341	0.395634
<i>BC035044</i>	chr6:128848043-128891126	3.8430	4.2023	0.1289	0.412848
<i>Rras</i>	chr7:45017977-45021646	2.9177	3.3772	0.2110	0.207473
<i>Aaas</i>	chr15:102338246-102350759	20.7867	21.7378	0.0645	0.185650
<i>Mr1</i>	chr1:155127877-155146780	10.5906	11.3158	0.0956	0.459567
<i>Snora17</i>	chr2:26639189-26639321	18.0365	14.4872	-0.3161	0.239776
<i>Zfp772</i>	chr7:7202121-7209998	2.4448	2.1455	-0.1884	0.120919
<i>Z310022A10Rik</i>	chr7:27553294-27582094	2.6139	2.9257	0.1625	0.382307
<i>Prkar2a</i>	chr9:108692142-108749512	5.6228	6.1043	0.1185	0.472237
<i>Ccdc107</i>	chr4:43492899-43495921	1305.1244	1435.4256	0.1373	0.566514

<i>Marcks</i>	chr10:37133374-37138920	1.2384	1.0587	-0.2262	0.222327
<i>Smpd2</i>	chr10:41485641-41490369	21.9711	22.7394	0.0496	0.368453
<i>Gm26789</i>	chr10:63292285-63295793	5.6659	5.0412	-0.1686	0.364733
<i>Cabin1</i>	chr10:75646109-75764357	21.1554	19.2786	-0.1340	0.415830
<i>Apc2</i>	chr10:80295976-80318263	0.8440	0.7509	-0.1686	0.158104
<i>Galnt4</i>	chr10:99108134-99113245	6.9633	6.4250	-0.1161	0.204399
<i>Rab3ip</i>	chr10:116905783-116950380	25.1252	26.4319	0.0731	0.438571
<i>A430046D13Rik</i>	chr10:128499363-128504242	7.7098	6.8815	-0.1640	0.354184
<i>Uqcr10</i>	chr11:4701972-4704342	64.7767	58.3906	-0.1497	0.345238
<i>Nudcd3</i>	chr11:6105690-6200415	12.9542	13.3859	0.0473	0.229669
<i>Purb</i>	chr11:6467598-6476076	40.2941	37.3185	-0.1107	0.328987
<i>Gm22123</i>	chr11:6472224-6472277	144.7255	126.3203	-0.1962	0.311922
<i>Gm22457</i>	chr11:6528032-6528165	27.7271	22.4794	-0.3027	0.365146
<i>Etaa1os</i>	chr11:17953969-17959578	1.5433	1.9063	0.3048	0.214560
<i>9930111J21Rik1</i>	chr11:48946149-48979398	9.2456	9.6544	0.0624	0.385480
<i>Sec24a</i>	chr11:51692263-51763634	4.9144	5.4343	0.1451	0.586224
<i>Mfap3</i>	chr11:57518663-57533815	14.4462	13.5071	-0.0970	0.160982
<i>Gm12246</i>	chr11:58126067-58128512	1.5241	2.0876	0.4539	0.429612
<i>Tnfrsf13b</i>	chr11:61126754-61149372	10.9421	10.0969	-0.1160	0.141410
<i>Gm26964</i>	chr11:61865474-61867639	7.1056	7.9107	0.1548	0.371603
<i>Cluh</i>	chr11:74649494-74670847	15.7194	14.6075	-0.1058	0.307145
<i>Rad51d</i>	chr11:82876433-82890614	9.6990	8.8641	-0.1299	0.288375
<i>Sjfn10-ps</i>	chr11:83028129-83040042	6.7100	7.0773	0.0769	0.256330
<i>Akap1</i>	chr11:88830791-88864586	1.7574	1.9567	0.1550	0.377286
<i>Gm11532</i>	chr11:97020507-97026248	0.8195	0.6863	-0.2558	0.290652
<i>Gm27029</i>	chr11:101406691-101424796	11.6912	10.6566	-0.1337	0.225260
<i>Nbr1</i>	chr11:101552148-101581951	32.9023	30.9551	-0.0880	0.142568
<i>Arhgap27os3</i>	chr11:103344752-103350124	15.1602	16.0743	0.0845	0.497819
<i>Gm26613</i>	chr11:115615461-115626707	3.1964	3.6296	0.1834	0.367020
<i>Gm11766</i>	chr11:119938510-119942074	1.6956	1.4605	-0.2153	0.240984
<i>Pqlc3</i>	chr12:16988647-17000408	6.5827	7.0024	0.0892	0.498288
<i>Cog5</i>	chr12:31654868-31937630	34.7384	31.8908	-0.1234	0.339779
<i>Pnn</i>	chr12:59066918-59074017	48.5073	45.1875	-0.1023	0.230085
<i>Actn1</i>	chr12:80167541-80260371	120.5461	113.7991	-0.0831	0.132880
<i>Cox16</i>	chr12:81359025-81485127	10.4792	11.2476	0.1021	0.462582
<i>Noxred1</i>	chr12:87221254-87233556	0.8267	0.5776	-0.5172	0.308660
<i>Vipas39</i>	chr12:87238874-87266286	22.0729	20.4644	-0.1092	0.187787
<i>Ippk</i>	chr13:49421310-49462990	13.1387	12.1865	-0.1085	0.177453
<i>Cdk20</i>	chr13:64432552-64439720	2.3174	1.9686	-0.2353	0.211900
<i>Ptdss1</i>	chr13:66932829-66998401	25.2278	23.2744	-0.1163	0.302958
<i>Gm26965</i>	chr13:67491151-67526151	16.1119	14.6589	-0.1364	0.242455
<i>Gm26819</i>	chr13:69809913-69816094	11.2031	10.3832	-0.1096	0.209957
<i>Magi2</i>	chr5:19227045-20704798	0.3849	0.4523	0.2328	0.290836
<i>Fam185a</i>	chr5:21424957-21482124	2.9167	3.1721	0.1211	0.365490
<i>Rint1</i>	chr5:23787710-23820369	7.0253	6.5563	-0.0997	0.105856
<i>Tmub1</i>	chr5:24445457-24447854	7.0776	7.7917	0.1387	0.444717
<i>Nub1</i>	chr5:24685814-24710555	56.3995	58.2251	0.0460	0.316565
<i>Gm15522</i>	chr5:34650717-34652477	9.7922	8.5168	-0.2013	0.297384
<i>5430403G16Rik</i>	chr5:109674544-109691041	6.6655	6.0772	-0.1333	0.196550
<i>Mdh2</i>	chr5:135778479-135790398	39.2872	36.0868	-0.1226	0.319496
<i>Tsc22d4</i>	chr5:137745729-137768450	12.2335	11.1013	-0.1401	0.419288
<i>Kdelr2</i>	chr5:143403819-143421900	19.7111	20.7526	0.0743	0.405882
<i>Rbm28</i>	chr6:29123572-29165006	14.8394	15.4839	0.0613	0.363832
<i>Hipk2</i>	chr6:38694389-38876165	2.5757	3.1339	0.2830	0.440369
<i>Trbv2</i>	chr6:41047555-41047995	47.8622	42.6656	-0.1658	0.301021
<i>Mturn</i>	chr6:54681771-54700406	29.0441	26.7638	-0.1180	0.249417
<i>Cct7</i>	chr6:85451504-85468477	89.7905	83.1707	-0.1105	0.279549
<i>Zxdc</i>	chr6:90369491-90403490	7.3672	6.8565	-0.1036	0.243130
<i>Lrig1</i>	chr6:94604528-94700158	8.2196	7.5546	-0.1217	0.314430
<i>Mitf</i>	chr6:97807057-98021349	0.2132	0.1599	-0.4153	0.283890
<i>Arl8b</i>	chr6:108783058-108823723	30.5148	31.4653	0.0443	0.125278
<i>Zfp248</i>	chr6:118427318-118455528	0.7445	0.6214	-0.2608	0.270966
<i>Pianp</i>	chr6:124996693-125003096	0.3455	0.2413	-0.5176	0.363563
<i>Cdkn1b</i>	chr6:134920400-134925513	69.8229	72.7872	0.0600	0.471473
<i>Prpf31</i>	chr7:3629984-3642486	18.7109	19.4426	0.0553	0.398554
<i>Gltscr1</i>	chr7:15971261-15999495	3.0744	3.4675	0.1736	0.544150
<i>Kptn</i>	chr7:16119894-16127516	6.2935	5.7725	-0.1247	0.146763
<i>Ercc1</i>	chr7:19344777-19356524	10.0346	9.0511	-0.1488	0.319904
<i>Eif3k</i>	chr7:28971372-28981814	240.7206	259.8702	0.1104	0.531577
<i>Tmem143</i>	chr7:45896940-45917413	2.3312	2.1051	-0.1471	0.201555
<i>Gm9392</i>	chr7:46820266-46822048	3.9391	4.4949	0.1904	0.432808

<i>Z310044K18Rik</i>	chr7:83659574-83660963	8.6935	7.3721	-0.2379	0.347554
<i>Rsf1os1</i>	chr7:97598348-97645112	3.6110	2.7162	-0.4108	0.295198
<i>Spcs2</i>	chr7:99837568-99858883	36.6449	38.1751	0.0590	0.423707
<i>Snord14a</i>	chr7:116333170-116333257	26.7921	21.7008	-0.3041	0.190564
<i>Gm26690</i>	chr7:127982569-127984881	3.3134	3.7011	0.1597	0.437780
<i>Uros</i>	chr7:133686242-133710072	6.2017	5.6950	-0.1230	0.169762
<i>Inpp5a</i>	chr7:139389108-139579652	2.4803	2.1937	-0.1771	0.246936
<i>Paax</i>	chr7:140125656-140134334	1.1798	0.9293	-0.3443	0.265712
<i>Tspan32os</i>	chr7:142988968-143008033	5.0946	4.4063	-0.2094	0.142526
<i>Tnfrsf22</i>	chr7:143634807-143649661	3.6810	3.3028	-0.1564	0.300350
<i>NA</i>	chr8:8689665-8690644	34.0416	38.0107	0.1591	0.482011
<i>D8Erttd82e</i>	chr8:36094827-36147787	6.0879	6.6664	0.1310	0.569206
<i>Ndufa13</i>	chr8:69894187-69902558	77.4445	83.9364	0.1161	0.535829
<i>Zfp961</i>	chr8:71951037-71993408	9.9174	10.3981	0.0683	0.351125
<i>Gm17435</i>	chr8:72492933-72505499	2.7907	3.1757	0.1864	0.544039
<i>Il27ra</i>	chr8:84030286-84042575	118.8047	111.0701	-0.0971	0.268046
<i>Aktip</i>	chr8:91112040-91134465	14.6924	15.3167	0.0600	0.247219
<i>Cmtm4</i>	chr8:104348190-104395807	1.4061	1.2498	-0.1701	0.256756
<i>Rpl13</i>	chr8:123102349-123105244	40.1124	36.2943	-0.1443	0.377257
<i>Pcnxl2</i>	chr8:125751508-125898293	0.2746	0.2152	-0.3513	0.316190
<i>Gm10684</i>	chr9:45107175-45135606	9.2216	9.8472	0.0947	0.438077
<i>Glce</i>	chr9:62057247-62070606	6.8111	6.3003	-0.1125	0.109374
<i>Gcom1</i>	chr9:71479324-71592265	19.2970	20.5568	0.0912	0.457385
<i>Rab27a</i>	chr9:73044864-73097592	30.3772	31.4982	0.0523	0.317939
<i>Gm20529</i>	chr9:108051674-108058592	48.8755	53.8174	0.1390	0.434299
<i>Smarrcc1</i>	chr9:110132036-110240178	12.7436	13.4212	0.0747	0.512292
<i>Acaa1a</i>	chr9:119339675-119350299	14.1264	13.1548	-0.1028	0.202819
<i>Pqbp1</i>	chrX:7894518-7899269	47.8401	51.7090	0.1122	0.518497
<i>Renbp</i>	chrX:73922120-73930850	0.3937	0.5050	0.3589	0.216053
<i>Fam3a</i>	chrX:74384718-74393272	6.1436	5.5274	-0.1525	0.287261
<i>Atrx</i>	chrX:105797614-105929397	46.9445	48.5945	0.0498	0.368588
<i>Rragb</i>	chrX:153139980-153171943	6.8353	7.3435	0.1035	0.383238
<i>Ptger4</i>	chr15:5206660-5244187	8.2288	8.5913	0.0622	0.428908
<i>Tmem71</i>	chr15:66526211-66561046	85.8382	89.1978	0.0554	0.419301
<i>Sla</i>	chr15:66780818-66831829	36.7333	38.1057	0.0529	0.482906
<i>Recql4</i>	chr15:76703552-76710559	1.3274	1.4825	0.1594	0.330467
<i>Gm17206</i>	chr15:83102071-83105929	4.0413	4.7585	0.2357	0.232711
<i>Cpt1b</i>	chr15:89416404-89425863	1.1828	1.0042	-0.2362	0.212069
<i>Prickle1</i>	chr15:93499113-93595891	0.9327	0.7991	-0.2230	0.076515
<i>Gm17349</i>	chr15:99702175-99705490	3.7270	2.7406	-0.4435	0.307063
<i>Eif4b</i>	chr15:102073772-102097172	174.2297	182.5934	0.0676	0.487422
<i>Pfdn5</i>	chr15:102326115-102331873	116.3291	137.2342	0.2384	0.383671
<i>Top2b</i>	chr14:16365178-16430787	161.4684	149.9669	-0.1066	0.304729
<i>Arf4</i>	chr14:26638073-26665084	16.9038	15.7718	-0.1000	0.067240
<i>Fam208a</i>	chr14:27428846-27483552	52.5819	48.9416	-0.1035	0.288062
<i>Prkcd</i>	chr14:30595355-30626210	11.1484	10.3688	-0.1046	0.196959
<i>Tspan14</i>	chr14:40906444-40966807	39.5611	36.9183	-0.0997	0.201392
<i>Psmc6</i>	chr14:45329823-45349071	71.1727	75.3155	0.0816	0.476660
<i>Gm15601</i>	chr14:45587739-45598512	3.2113	2.8878	-0.1532	0.239399
<i>Abhd4</i>	chr14:54254128-54269169	0.8441	1.0035	0.2495	0.336728
<i>Pabpn1</i>	chr14:54892499-54898169	36.9780	34.1434	-0.1151	0.301926
<i>Fdft1</i>	chr14:63145152-63177793	6.2966	6.6946	0.0884	0.214204
<i>Tbc1d4</i>	chr14:101442359-101609191	1.6244	1.8110	0.1569	0.532309
<i>Tmem181a</i>	chr17:6270474-6305783	3.0899	3.4263	0.1491	0.297185
<i>Zfp213</i>	chr17:23556768-23564226	9.3406	8.3967	-0.1537	0.347465
<i>Spsb3</i>	chr17:24886642-24892152	22.7186	21.2761	-0.0946	0.155407
<i>Zfp81</i>	chr17:33329341-33358878	5.1313	5.4603	0.0897	0.407431
<i>H2-Q5</i>	chr17:35394125-35397800	41.8283	43.7510	0.0648	0.464338
<i>Atat1</i>	chr17:35897594-35910075	0.9734	1.1259	0.2101	0.403160
<i>H2-T23</i>	chr17:36029772-36032855	95.1595	98.8856	0.0554	0.491667
<i>Runx2os1</i>	chr17:44735844-44737612	1.9507	2.5927	0.4105	0.431229
<i>Gm16172</i>	chr17:45663518-45666209	3.6345	4.2412	0.2227	0.170525
<i>Mpnd</i>	chr17:56005710-56016790	30.6883	28.1862	-0.1227	0.297022
<i>4930405O22Rik</i>	chr17:63305445-63312973	1.7253	1.2810	-0.4296	0.437928
<i>Ypel1</i>	chr16:17069695-17087045	5.9984	6.3643	0.0854	0.458609
<i>Smpd4</i>	chr16:17619353-17644828	5.7441	5.9923	0.0610	0.418521
<i>Med15</i>	chr16:17651220-17722930	9.7962	10.5793	0.1110	0.513779
<i>Tango2</i>	chr16:18300824-18348103	2.9445	3.1298	0.0881	0.398137
<i>Dvl3</i>	chr16:20516981-20532520	2.7530	3.1088	0.1753	0.533388
<i>Etv5</i>	chr16:22381308-22439719	0.2302	0.3003	0.3838	0.288068
<i>Snora81</i>	chr16:23110755-23110933	247.8312	275.6563	0.1535	0.569241

<i>Pigz</i>	chr16:31933850-31946046	0.8731	1.0256	0.2322	0.228990
<i>Zbtb11</i>	chr16:55966274-56008913	25.4718	23.8912	-0.0924	0.167409
<i>Btg3</i>	chr16:78359859-78377192	0.7336	0.9194	0.3257	0.124528
<i>1700092M07Rik</i>	chr19:8740717-8741225	2.8001	1.9482	-0.5233	0.317750
<i>1110059E24Rik</i>	chr19:21581201-21652976	6.8548	6.2789	-0.1266	0.127006
<i>Gm9493</i>	chr19:23619741-23620320	1.6819	1.1740	-0.5187	0.332723
<i>Ppapdc2</i>	chr19:28963919-28966798	8.0794	8.5711	0.0852	0.390151
<i>Fas</i>	chr19:34290658-34327770	16.7376	15.1844	-0.1405	0.306374
<i>Fam178a</i>	chr19:44931118-44983787	21.9243	20.5718	-0.0919	0.193075
<i>Nt5c2</i>	chr19:46886830-47015153	7.2469	7.6294	0.0742	0.342707
<i>Paqr8</i>	chr1:20890621-20938755	3.3240	3.0134	-0.1415	0.199645
<i>Smap1</i>	chr1:23844845-23922317	14.6720	15.6049	0.0889	0.502446
<i>Tpp2</i>	chr1:43934001-44002999	49.8319	51.7598	0.0548	0.432686
<i>Creb1</i>	chr1:64532803-64604547	38.0204	40.1355	0.0781	0.476529
<i>Zfand2b</i>	chr1:75168645-75171629	12.0477	10.9440	-0.1386	0.256625
<i>Gm16083</i>	chr1:130462575-130557075	3.2328	3.7127	0.1997	0.487883
<i>Zfp281</i>	chr1:136624900-136630053	34.8819	36.0557	0.0477	0.354647
<i>Trmt1l</i>	chr1:151428647-151458182	28.8991	27.0651	-0.0946	0.167289
<i>Glul</i>	chr1:153899943-153909723	30.3393	31.9980	0.0768	0.454091
<i>Gm10521</i>	chr1:171895663-171898237	4.0389	4.3978	0.1228	0.329990
<i>Gm23153</i>	chr1:190482871-190483157	4.5254	5.9869	0.4038	0.411042
<i>Gm16897</i>	chr1:194955758-194976959	0.4702	0.6041	0.3616	0.376370
<i>Cul2</i>	chr18:3382987-3436377	12.8415	13.3534	0.0564	0.243692
<i>C030005K06Rik</i>	chr18:50042729-50053844	2.1938	1.8963	-0.2103	0.318557
<i>Seh1l</i>	chr18:67774875-67795461	24.8117	25.7770	0.0551	0.330509
<i>Ska1</i>	chr18:74195298-74207818	0.5039	0.6353	0.3343	0.421463
<i>Atp9b</i>	chr18:80734142-80934058	29.6981	27.8378	-0.0933	0.222193
<i>Sec61a2</i>	chr2:5870986-5895432	4.1258	4.4690	0.1153	0.453042
<i>Spopl</i>	chr2:23506219-23572106	14.2062	14.9302	0.0717	0.441704
<i>Fam69b</i>	chr2:26628456-26636497	2.2089	1.8853	-0.2286	0.355507
<i>Surf6</i>	chr2:26888627-26902879	20.6488	19.3085	-0.0968	0.132235
<i>Surf4</i>	chr2:26920039-26933928	53.8572	51.0674	-0.0767	0.013636
<i>Cercam</i>	chr2:29869163-29882840	1.8773	2.1105	0.1689	0.435826
<i>Gm11084</i>	chr2:72971547-72986716	12.4493	16.6637	0.4207	0.364303
<i>Inafm2</i>	chr2:118745757-118748810	5.7322	6.1097	0.0920	0.259568
<i>Gm26899</i>	chr2:120532903-120539846	15.4820	16.1810	0.0637	0.313709
<i>Snord57</i>	chr2:130278015-130278087	25.3084	19.7870	-0.3551	0.242661
<i>Crls1</i>	chr2:132846665-132866785	10.6518	9.5379	-0.1594	0.364516
<i>Gm14167</i>	chr2:151540730-151542348	1.7192	2.4301	0.4993	0.401111
<i>Gm14239</i>	chr2:155459500-155460892	3.5434	4.1173	0.2166	0.025372
<i>Cse1l</i>	chr2:166906039-166946389	24.7078	22.9020	-0.1095	0.268796
<i>Gm14305</i>	chr2:176708327-176721813	1.1763	0.9881	-0.2515	0.017570
<i>D3Ertd254e</i>	chr3:36159521-36170335	3.1583	2.8907	-0.1277	0.159534
<i>Ndufc1</i>	chr3:51404676-51408988	8.8852	7.7984	-0.1882	0.368489
<i>Strip1</i>	chr3:107612531-107631710	22.5628	21.1587	-0.0927	0.128917
<i>Gbp2</i>	chr3:142620601-142638008	101.1066	108.8880	0.1070	0.505913
<i>Ssx2ip</i>	chr3:146404641-146440139	2.5405	2.7642	0.1218	0.344811
<i>Dctn3</i>	chr4:41714797-41723170	28.7544	30.6859	0.0938	0.442690
<i>Tomm5</i>	chr4:45105207-45108114	13.4818	11.8095	-0.1911	0.332407
<i>Rnf20</i>	chr4:49632005-49656887	32.7889	30.5880	-0.1002	0.232512
<i>Acer2</i>	chr4:86874395-86934822	0.9415	1.0297	0.1291	0.073126
<i>Cpt2</i>	chr4:107903980-107923610	4.3552	4.7242	0.1173	0.369157
<i>Atpaf1</i>	chr4:115784811-115818828	1.6834	1.8916	0.1682	0.240966
<i>Elov1l</i>	chr4:118428092-118432953	15.5521	14.3995	-0.1111	0.217511
<i>Cap1</i>	chr4:122859046-122886056	194.9950	202.8508	0.0570	0.426509
<i>Clspn</i>	chr4:126556934-126593903	1.6843	1.8995	0.1735	0.535701
<i>Arid1a</i>	chr4:133679007-133756769	14.7044	15.8851	0.1114	0.582550
<i>Mthfr</i>	chr4:148039076-148059551	3.6440	3.3326	-0.1289	0.244131
<i>Gm22887</i>	chr5:22534736-22534843	6.1015	8.3216	0.4477	0.376343
<i>Ccin</i>	chr4:43983503-43985533	0.4184	0.2960	-0.4992	0.228529
<i>Zfp608</i>	chr18:54888044-54990180	0.1005	0.1411	0.4898	0.409050
<i>Cers5</i>	chr15:99733505-99772885	17.0885	16.0494	-0.0905	0.121175
<i>Spsb1</i>	chr4:149896282-149955043	2.1168	1.8565	-0.1892	0.343133
<i>Gm26835</i>	chr10:13967023-14007405	3.8742	4.3813	0.1774	0.576963
<i>Cdh23</i>	chr10:60302747-60696490	1.5018	1.5967	0.0885	0.444020
<i>Dlg4</i>	chr11:70017084-70045532	1.9086	1.6432	-0.2160	0.371879
<i>Pura</i>	chr18:36281096-36301521	12.4190	11.5693	-0.1022	0.287997
<i>Wdsub1</i>	chr2:59852363-59882591	1.1068	1.2414	0.1656	0.107304
<i>Ifi44</i>	chr3:151730921-151749947	0.2889	0.5596	0.9537	0.407046
<i>Atxn10</i>	chr15:85336380-85463836	24.1686	25.1043	0.0548	0.279187
<i>Ints12</i>	chr3:133091839-133110988	3.5665	3.7994	0.0913	0.389388

<i>Fggy</i>	chr4:95557506-95926939	0.4189	0.5034	0.2650	0.422810
<i>Figl1</i>	chr11:11787430-11808962	2.0582	2.3450	0.1882	0.560784
<i>Mnt</i>	chr11:74830919-74845725	4.2095	4.6865	0.1548	0.536049
<i>Pdia6</i>	chr12:17266544-17284770	25.6505	23.8241	-0.1066	0.261189
<i>Pop7</i>	chr5:137501437-137502518	13.6977	12.2614	-0.1598	0.330996
<i>Polr1a</i>	chr6:71909052-71979356	22.8476	21.4402	-0.0917	0.224917
<i>Rab7</i>	chr6:87999105-88045270	18.6407	19.9495	0.0979	0.499623
<i>Dhx34</i>	chr7:16197146-16222037	8.7375	8.0507	-0.1181	0.292160
<i>Grik5</i>	chr7:25009852-25072369	0.5334	0.6345	0.2506	0.233976
<i>Timm10b</i>	chr7:105640055-105655748	12.9465	11.9972	-0.1099	0.225041
<i>Fam53b</i>	chr7:132712081-132813886	17.8034	16.6026	-0.1007	0.284551
<i>Ddx60</i>	chr8:61928086-62037701	14.9214	16.4384	0.1397	0.605468
<i>Pskh1</i>	chr8:105900440-105931778	14.8840	15.8872	0.0941	0.505758
<i>Gm17571</i>	chr9:13444033-13446753	11.5052	15.6334	0.4423	0.440289
<i>Ccpg1</i>	chr9:72985428-73016340	23.2036	21.7784	-0.0915	0.135193
<i>Tex264</i>	chr9:106658746-106685948	19.9920	20.8931	0.0636	0.362849
<i>Piga</i>	chrX:164419792-164433916	11.1888	11.7179	0.0667	0.436389
<i>Gm17066</i>	chr14:105109389-105114676	21.0729	22.8292	0.1155	0.517467
<i>Fkbp1</i>	chr17:34644763-34646324	3.5274	3.9585	0.1664	0.206125
<i>Tnks2</i>	chr19:36834231-36893477	48.2089	45.3326	-0.0888	0.174534
<i>Noc3l</i>	chr19:38788127-38819237	14.3762	14.9637	0.0578	0.293536
<i>Tmem38b</i>	chr4:53826044-53862019	0.8151	0.6758	-0.2703	0.221622
<i>Ubr4</i>	chr4:139352608-139489588	29.7174	27.1380	-0.1310	0.424114
<i>Gm26779</i>	chr5:109886230-109891137	8.8539	7.5189	-0.2358	0.302455
<i>Dos</i>	chr10:80130450-80140835	2.8121	3.1245	0.1520	0.513321
<i>Gm13546</i>	chr2:58164000-58177063	0.9306	1.1680	0.3278	0.331685
<i>Cenpw</i>	chr10:30196010-30200540	2.4308	2.0340	-0.2571	0.264009
<i>Sco1</i>	chr11:67052669-67067070	5.6776	6.0296	0.0868	0.375296
<i>Skap1</i>	chr11:96464592-96759130	52.5475	54.2002	0.0447	0.374969
<i>Tubb3</i>	chr8:123411423-123422015	1.8577	1.5415	-0.2692	0.327120
<i>Zfp599</i>	chr9:22247429-22259895	3.9572	4.2207	0.0930	0.253865
<i>Fam162a</i>	chr16:36043843-36071515	36.1660	32.4269	-0.1574	0.372970
<i>Psen2</i>	chr1:180227003-180263438	11.5580	10.6318	-0.1205	0.327292
<i>Gm13776</i>	chr2:91716158-91717419	0.5848	0.8232	0.4932	0.415162
<i>Ppil4</i>	chr10:7792890-7823135	26.3556	27.1807	0.0445	0.263655
<i>Mrpl55</i>	chr11:59202485-59206134	12.1191	13.0071	0.1020	0.263236
<i>Gm15927</i>	chr7:3632113-3644887	7.6695	6.9476	-0.1426	0.197924
<i>Liph-ps2</i>	chrX:13217922-13218650	1.3367	1.7369	0.3778	0.346795
<i>Zbtb14</i>	chr17:69383049-69390750	7.0980	6.5211	-0.1223	0.233264
<i>Mcm3</i>	chr1:20802973-20820278	30.4696	31.7569	0.0597	0.493284
<i>Sgpp2</i>	chr1:78310345-78420286	1.5337	1.7055	0.1532	0.407445
<i>Gm21972</i>	chr1:86133636-86162788	18.9619	20.3857	0.1045	0.321838
<i>Disp1</i>	chr1:183086263-183221529	3.9464	4.2060	0.0919	0.390776
<i>Elf3</i>	chr2:121439009-121444278	0.4927	0.6393	0.3756	0.440961
<i>Mrps5</i>	chr2:127587221-127606829	7.6131	6.8504	-0.1523	0.435255
<i>Itpa</i>	chr2:130667609-130681614	6.8926	6.1204	-0.1714	0.340000
<i>Mecr</i>	chr4:131843469-131867786	7.2121	6.4971	-0.1506	0.371859
<i>Dcps</i>	chr9:35124407-35176061	32.6160	34.1720	0.0672	0.386730
<i>Arl13b</i>	chr16:62793684-62847040	4.8462	5.0988	0.0733	0.212970
<i>Plekhh3</i>	chr1:64785982-64956824	2.1907	2.4387	0.1547	0.571791
<i>Atad3a</i>	chr4:155740640-155761093	18.1881	17.0242	-0.0954	0.192782
<i>Pfdn2</i>	chr1:171345669-171359254	4.2257	4.6592	0.1409	0.382545
<i>Coro2a</i>	chr4:46536936-46602202	5.1960	5.4539	0.0699	0.411746
<i>Zfp869</i>	chr8:69706331-69710724	33.9669	35.9087	0.0802	0.452170
<i>Itga10</i>	chr3:96645583-96664519	0.7728	0.6476	-0.2551	0.348429
<i>Gm17455</i>	chr10:60399725-60403556	1.4231	1.0069	-0.4991	0.352179
<i>Gm26710</i>	chr10:80578646-80580677	0.6369	0.7965	0.3226	0.183304
<i>A730071L15Rik</i>	chr11:6200028-6201643	3.7534	3.2873	-0.1913	0.176022
<i>Stk10</i>	chr11:32533304-32624587	106.3646	100.5153	-0.0816	0.181453
<i>Tmem11</i>	chr11:60864451-60879272	13.0872	14.3093	0.1288	0.510002
<i>Tnk1</i>	chr11:69851004-69858730	0.4769	0.3674	-0.3765	0.283010
<i>Phf23</i>	chr11:69995776-70000009	22.4975	20.8594	-0.1091	0.244121
<i>Cxcl16</i>	chr11:70453982-70459984	1.0723	0.9082	-0.2395	0.089805
<i>Cpd</i>	chr11:76778423-76847018	0.2632	0.3123	0.2466	0.326623
<i>Z610507B11Rik</i>	chr11:78261751-78290623	38.5140	36.5191	-0.0767	0.136470
<i>Synrg</i>	chr11:83964427-84044578	13.0581	12.1462	-0.1044	0.305257
<i>Nme1</i>	chr11:93956978-93968521	26.5668	24.0011	-0.1465	0.402370
<i>Stat5a</i>	chr11:100859350-100885169	11.8462	12.3426	0.0592	0.441046
<i>Psmc3ip</i>	chr11:101091822-101095436	9.6003	10.1993	0.0873	0.223164
<i>A732487G21Rik</i>	chr12:86290760-86306006	6.1632	6.5680	0.0918	0.285890
<i>Cinp</i>	chr12:110872609-110889145	11.1607	10.3304	-0.1115	0.033011

<i>Mta1</i>	chr12:113098277-113137206	19.7974	18.3533	-0.1093	0.305320
<i>Gm26735</i>	chr13:28943047-28951671	6.4247	7.1195	0.1481	0.548937
<i>2700038G22Rik</i>	chr5:23850596-23854924	5.5298	4.8497	-0.1893	0.261040
<i>Oas1a</i>	chr5:120896255-120907521	3.7695	5.3019	0.4922	0.418832
<i>Gm14540</i>	chr6:33038467-33043222	1.5478	1.7711	0.1945	0.447444
<i>Arhgef5</i>	chr6:43265581-43289320	0.2161	0.2514	0.2182	0.032732
<i>Nfe2l3</i>	chr6:51432669-51458768	8.8374	7.9522	-0.1523	0.391472
<i>Tsen2</i>	chr6:115544663-115578350	2.0312	1.8364	-0.1455	0.214299
<i>Gm17216</i>	chr6:148213366-148214573	6.4505	7.2049	0.1596	0.288574
<i>Gm20512</i>	chr7:19715015-19721731	6.4426	5.3766	-0.2609	0.326688
<i>Ldha</i>	chr7:46841474-46855627	90.9798	83.8008	-0.1186	0.308059
<i>Far1os</i>	chr7:113530488-113564987	6.8538	5.7297	-0.2585	0.505183
<i>lfitm5</i>	chr7:140948962-140950239	0.8987	1.2841	0.5148	0.455026
<i>lck</i>	chr9:78109191-78172107	1.2832	1.3836	0.1086	0.378780
<i>Mecp2</i>	chrX:74026591-74135363	7.2979	7.6317	0.0645	0.501499
<i>Tmsb4x</i>	chrX:167207092-167209315	1450.0196	1233.4939	-0.2333	0.366969
<i>Exosc4</i>	chr15:76327396-76330677	14.4598	13.1330	-0.1388	0.336306
<i>Gpt</i>	chr15:76696763-76699674	3.8200	3.3212	-0.2019	0.312057
<i>Gcat</i>	chr15:79030873-79043558	0.2158	0.3026	0.4879	0.552904
<i>5031439G07Rik</i>	chr15:84943935-84988551	2.5482	2.3268	-0.1312	0.292421
<i>Gm16409</i>	chr14:73796540-73797290	2.1762	2.7091	0.3160	0.430938
<i>Mir18</i>	chr14:115043850-115043946	11.0001	8.2013	-0.4236	0.241529
<i>Gm7162</i>	chr17:12819818-12820842	1.5231	1.1980	-0.3465	0.200242
<i>Kremen2</i>	chr17:23741199-23745829	1.1835	1.3843	0.2261	0.339452
<i>Rrp1b</i>	chr17:32036099-32062865	10.0241	10.4891	0.0654	0.522129
<i>Cenpq</i>	chr17:40923050-40935047	17.7888	18.6126	0.0653	0.428864
<i>Zfp959</i>	chr17:55892183-55898584	15.5996	14.0708	-0.1488	0.369279
<i>Gm17133</i>	chr17:64748849-64754096	12.3287	9.8813	-0.3193	0.459703
<i>Smchd1</i>	chr17:71344488-71475343	36.4241	38.1176	0.0656	0.516219
<i>Lrpprc</i>	chr17:84705246-84790789	21.5350	20.1797	-0.0938	0.203497
<i>Tmem41a</i>	chr16:21934326-21947552	4.5594	5.0844	0.1572	0.352913
<i>D930030I03Rik</i>	chr16:38451981-38453493	3.0398	3.5328	0.2168	0.267258
<i>Cggbp1</i>	chr16:64851995-64859507	54.7708	51.5378	-0.0878	0.162922
<i>Tcirg1</i>	chr19:3896049-3907133	14.9106	13.9265	-0.0985	0.220100
<i>Sptbn2</i>	chr19:4711207-4752353	0.1287	0.1624	0.3355	0.252326
<i>Gm6293</i>	chr19:5415564-5415759	6.1133	7.6687	0.3270	0.316505
<i>Rcor2</i>	chr19:7267324-7275225	0.5857	0.7021	0.2617	0.275357
<i>Psat1</i>	chr19:15904677-15947337	11.0300	11.4863	0.0585	0.202189
<i>4931403E22Rik</i>	chr19:26768800-26823907	4.6752	3.8534	-0.2789	0.304706
<i>Ablim1</i>	chr19:57032732-57314919	112.5758	115.7798	0.0405	0.493738
<i>Tex30</i>	chr1:44086612-44102441	8.7273	7.8572	-0.1515	0.328687
<i>Sp140</i>	chr1:85600377-85645037	16.3110	16.9668	0.0569	0.295862
<i>Yod1</i>	chr1:130717326-130722055	9.1230	9.5416	0.0647	0.314061
<i>lkbke</i>	chr1:131254342-131279606	40.4944	38.2070	-0.0839	0.199686
<i>Teddm2</i>	chr1:153849541-153900208	2.1811	2.4709	0.1800	0.366303
<i>Zbtb18</i>	chr1:177444660-177450760	7.5143	7.8279	0.0590	0.254330
<i>1700056E22Rik</i>	chr1:184033031-184033998	3.6786	3.1382	-0.2292	0.105168
<i>Epc1</i>	chr18:6435950-6516108	39.9151	37.6796	-0.0832	0.080557
<i>E230025N22Rik</i>	chr18:36684922-36695925	0.4588	0.3289	-0.4801	0.338667
<i>Myo5b</i>	chr18:74440935-74771493	0.2776	0.2306	-0.2677	0.157133
<i>P2rx3</i>	chr2:84998582-85037462	1.0213	0.8446	-0.2741	0.230932
<i>Cops2</i>	chr2:125830303-125859139	32.7154	34.5121	0.0771	0.481558
<i>Smox</i>	chr2:131491495-131525922	2.3579	2.0626	-0.1930	0.369531
<i>Glpr2</i>	chr4:43957400-43979118	122.6284	114.5711	-0.0980	0.218744
<i>Mrpl50</i>	chr4:49512595-49521093	12.8908	13.7701	0.0952	0.469195
<i>NA</i>	chr4:108622928-108625216	11.1673	11.8858	0.0900	0.455787
<i>Prdx1</i>	chr4:116685543-116700822	25.8653	23.5783	-0.1336	0.364430
<i>Ticam2</i>	chr18:46559154-46574533	0.2479	0.1713	-0.5333	0.382023
<i>Ajf1</i>	chr17:35170990-35176068	0.4064	0.5410	0.4128	0.211368
<i>NA</i>	chr10:5020202-5069063	20.6057	18.6408	-0.1446	0.425544
<i>Vps26a</i>	chr10:62454842-62486805	22.0887	23.3146	0.0779	0.477648
<i>Mbd6</i>	chr10:127281955-127289018	2.4202	2.6868	0.1508	0.503963
<i>Hmmr</i>	chr11:40701394-40733422	1.5556	1.8078	0.2167	0.593494
<i>Wrap53</i>	chr11:69561757-69580255	10.7281	9.8677	-0.1206	0.153425
<i>Tmem199</i>	chr11:78507054-78512172	14.6450	13.4032	-0.1278	0.259102
<i>Cbx1</i>	chr11:96789126-96808640	16.3216	15.0850	-0.1137	0.281282
<i>Gm11613</i>	chr11:97644183-97660367	3.7145	3.2703	-0.1838	0.284861
<i>Pitpnc1</i>	chr11:107207891-107470699	31.0959	31.8820	0.0360	0.289857
<i>Nt5c</i>	chr11:115490419-115491862	96.8880	104.0870	0.1034	0.539384
<i>Gm11748</i>	chr11:118476469-118479458	1.7216	1.3939	-0.3047	0.346820
<i>Gpr22</i>	chr12:31706866-31713947	1.4288	1.6866	0.2393	0.584776

<i>Sptb</i>	chr12:76580487-76710547	0.0906	0.1118	0.3037	0.080774
<i>Eij5</i>	chr12:111538100-111546753	83.1202	77.9530	-0.0926	0.228781
<i>Zkscan3</i>	chr13:21387012-21402755	18.2909	17.2150	-0.0875	0.190493
<i>Ranbp9</i>	chr13:43402672-43480973	45.1649	42.2003	-0.0979	0.279977
<i>Nhlrc1</i>	chr13:47012557-47014850	0.7597	0.9272	0.2874	0.379056
<i>Agtpbp1</i>	chr13:59449536-59585227	6.7025	6.9221	0.0465	0.294718
<i>Col4a3bp</i>	chr13:96542617-96640167	21.8932	20.3129	-0.1081	0.326750
<i>Tmem60</i>	chr5:20882190-20886870	12.5200	11.0783	-0.1765	0.383399
<i>Rpl17-ps5</i>	chr5:22612590-22613217	4.9508	3.9725	-0.3176	0.484835
<i>Srpk2</i>	chr5:23503355-23616571	28.8009	29.6524	0.0420	0.278384
<i>Ube3c</i>	chr5:29569241-29676077	21.2691	19.8132	-0.1023	0.268680
<i>Cpeb2</i>	chr5:43233462-43289724	1.2609	1.4210	0.1725	0.526913
<i>Gbp11</i>	chr5:105323041-105346472	5.2518	5.6844	0.1142	0.457952
<i>Acad10</i>	chr5:121621025-121660514	2.7393	2.4965	-0.1339	0.228519
<i>Anapc5</i>	chr5:122787468-122821339	124.5012	116.9383	-0.0904	0.213545
<i>Mrps17</i>	chr5:129715496-129718875	25.4337	26.5084	0.0597	0.362791
<i>Clip2</i>	chr5:134489385-134552434	1.3258	1.1524	-0.2022	0.301574
<i>Orai2</i>	chr5:136147463-136170656	54.8147	51.3595	-0.0939	0.221284
<i>Gm16121</i>	chr5:140101198-140107591	1.0519	0.8514	-0.3051	0.341545
<i>Daglb</i>	chr5:143464492-143504442	2.9882	2.7230	-0.1341	0.208029
<i>Rpa3</i>	chr6:8255935-8259173	12.5623	11.1120	-0.1770	0.386419
<i>Slc35b4</i>	chr6:34153379-34177111	5.0979	4.7709	-0.0956	0.145671
<i>Trbj1-3</i>	chr6:41534322-41534376	175.5441	156.2940	-0.1676	0.254212
<i>Reep1</i>	chr6:71707560-71810710	0.9376	0.7928	-0.2420	0.317973
<i>Tmsb10</i>	chr6:72957346-72958748	77.5561	68.4481	-0.1802	0.466506
<i>Leng8</i>	chr7:4137038-4148173	34.3464	36.1940	0.0756	0.559805
<i>Il16</i>	chr7:83642847-83745726	93.8890	88.7584	-0.0811	0.127506
<i>C230038L03Rik</i>	chr7:96947577-96951886	0.6837	0.5516	-0.3098	0.177306
<i>Alg8</i>	chr7:97371605-97392153	5.2807	4.7502	-0.1528	0.300149
<i>Dnajb13</i>	chr7:100503017-100514960	5.0331	4.4400	-0.1809	0.259679
<i>D430042O09Rik</i>	chr7:125707914-125874793	4.5105	4.1829	-0.1088	0.160158
<i>E430018J23Rik</i>	chr7:127389672-127393629	5.1960	5.5291	0.0896	0.363957
<i>Rnh1</i>	chr7:141160327-141172851	22.2089	20.5446	-0.1124	0.276717
<i>Nek3</i>	chr8:22128282-22166435	3.9036	4.2277	0.1151	0.217463
<i>Dand5</i>	chr8:84815404-84822823	4.3329	4.8425	0.1604	0.426613
<i>Mkl1</i>	chr8:111311796-111338177	0.6081	0.8034	0.4018	0.515371
<i>Snord68</i>	chr8:123103037-123103123	19.4448	15.2637	-0.3493	0.218679
<i>Gm16163</i>	chr8:124831697-124863703	11.3518	10.1674	-0.1590	0.320758
<i>Gm26759</i>	chr8:126566969-126590988	37.3495	34.8991	-0.0979	0.144828
<i>Raver1</i>	chr9:21074167-21091988	16.1181	17.1510	0.0896	0.526367
<i>Arih1</i>	chr9:59388257-59486618	30.8674	31.9062	0.0478	0.433572
<i>Myo5a</i>	chr9:75071014-75223688	1.8738	2.0236	0.1109	0.542932
<i>D030055H07Rik</i>	chr9:106148686-106160201	2.6747	2.4002	-0.1562	0.295204
<i>Usp19</i>	chr9:108490675-108502333	32.0294	30.1261	-0.0884	0.242075
<i>NA</i>	chr9:108648839-108650953	1.2628	1.4941	0.2427	0.435977
<i>Fundc1</i>	chrX:17556563-17572325	10.1205	10.8410	0.0992	0.476188
<i>Gm15938</i>	chr15:5175084-5185723	1.6115	2.0155	0.3227	0.275717
<i>Tatdn1</i>	chr15:58890152-58933730	8.9650	9.5552	0.0920	0.164479
<i>Gm2895</i>	chr15:66969322-67013039	0.2026	0.2745	0.4385	0.379724
<i>Apol7e</i>	chr15:77698888-77719288	31.7750	29.6745	-0.0987	0.227479
<i>Nptxr</i>	chr15:79786351-79834333	0.9933	0.8576	-0.2119	0.326883
<i>Till1</i>	chr15:83483771-83510893	1.2724	1.0755	-0.2425	0.313510
<i>Ddx23</i>	chr15:98645133-98662889	27.7707	25.9099	-0.1001	0.227196
<i>Rpl21-ps4</i>	chr14:11227551-11227992	2.5084	3.1515	0.3293	0.279749
<i>Sh3bp5</i>	chr14:31359879-31436078	23.1898	24.8405	0.0992	0.546948
<i>Ghitm</i>	chr14:37120443-37135322	51.3166	47.5815	-0.1090	0.291620
<i>Gnpnat1</i>	chr14:45376333-45388802	6.9313	6.3211	-0.1330	0.228687
<i>Gm5464</i>	chr14:66868849-66871005	1.1055	1.3170	0.2525	0.345316
<i>Tmem204</i>	chr17:25057701-25081181	0.5904	0.7759	0.3942	0.469220
<i>Stub1</i>	chr17:25830635-25833361	46.3772	43.1205	-0.1050	0.243002
<i>Mea1</i>	chr17:46681136-46683105	35.0191	38.1844	0.1248	0.530810
<i>Trerf1</i>	chr17:47140941-47359458	1.2280	1.4118	0.2012	0.488926
<i>Ankrd12</i>	chr17:65967500-66077089	14.8718	15.5818	0.0673	0.456835
<i>Glyr1</i>	chr16:5013905-5049910	59.4565	61.1856	0.0414	0.280116
<i>Mettl22</i>	chr16:8470787-8490684	6.5723	7.0214	0.0954	0.422079
<i>Mcm4</i>	chr16:15623896-15637400	33.1404	34.1705	0.0442	0.453327
<i>Ifnar1</i>	chr16:91485237-91507441	46.2906	43.8165	-0.0792	0.137133
<i>Pacs1</i>	chr19:5133687-5273119	11.8899	12.8118	0.1077	0.575180
<i>Cdca5</i>	chr19:6084982-6091777	1.6879	1.3748	-0.2960	0.419442
<i>Cpsf7</i>	chr19:10525243-10547735	28.3477	29.4122	0.0532	0.488244
<i>Pecr</i>	chr1:72259166-72284314	1.5792	1.8458	0.2251	0.351369

<i>Dnpep</i>	chr1:75307895-75317637	12.9884	12.0053	-0.1136	0.221127
<i>Uhmk1</i>	chr1:170193419-170215397	32.6365	30.7149	-0.0875	0.206264
<i>Gm26620</i>	chr1:170885064-170885881	3.0951	2.5254	-0.2935	0.262536
<i>Chml</i>	chr1:175686487-175688353	4.4100	3.9144	-0.1720	0.239854
<i>Akt3</i>	chr1:177020072-177258203	18.8657	19.8163	0.0709	0.457036
<i>Capn2</i>	chr1:182467255-182517495	28.0298	29.2808	0.0630	0.514222
<i>Ss18</i>	chr18:14624197-14682914	39.4550	40.7134	0.0453	0.354128
<i>Gm15336</i>	chr18:39246246-39302690	1.5903	1.9235	0.2744	0.509603
<i>Angptl2</i>	chr2:33216068-33247717	0.7945	0.6516	-0.2860	0.501513
<i>Mapk8ip1</i>	chr2:92383675-92401263	0.5172	0.4153	-0.3165	0.347059
<i>Bahd1</i>	chr2:118900376-118924528	7.6763	6.9642	-0.1404	0.401966
<i>9430008C03Rik</i>	chr2:158355306-158361580	17.0755	15.9088	-0.1021	0.290905
<i>Zfand1</i>	chr3:10339952-10351317	2.9983	3.1770	0.0835	0.308214
<i>Sh3d19</i>	chr3:85971108-86130526	0.3804	0.3161	-0.2670	0.304070
<i>Dpm3</i>	chr3:89259357-89267079	21.8214	24.5305	0.1688	0.551013
<i>Rps10-ps1</i>	chr3:95622277-95622775	25.7335	22.2090	-0.2125	0.444941
<i>Tspan2</i>	chr3:102734528-102772292	0.3574	0.4330	0.2769	0.338866
<i>Usp53</i>	chr3:122933600-122984447	17.1904	17.9042	0.0587	0.385177
<i>Pnrc1</i>	chr4:33245422-33290163	114.4051	120.4830	0.0747	0.531081
<i>Slc31a2</i>	chr4:62262561-62298411	7.8378	7.0747	-0.1478	0.303141
<i>Akna</i>	chr4:63367124-63403354	64.4803	59.1775	-0.1238	0.418756
<i>Gm12902</i>	chr4:123926233-123926555	2.6941	1.9950	-0.4334	0.098484
<i>Ube4b</i>	chr4:149328415-149426749	10.0054	9.3004	-0.1054	0.308778
<i>Tnfrsf25</i>	chr4:152115933-152120119	5.3371	4.6885	-0.1869	0.405294
<i>Rpl27a</i>	chr7:109519146-109522367	24.8411	22.9549	-0.1139	0.280548
<i>Luc7l2</i>	chr6:38551333-38609470	27.1602	28.5641	0.0727	0.550042
<i>Map4k1</i>	chr7:28982853-29003279	33.3185	34.8501	0.0648	0.507776
<i>1110012L19Rik</i>	chrX:70385876-70389417	10.8551	9.6254	-0.1735	0.356820
<i>Rbbp5</i>	chr1:132477366-132505665	25.9355	26.6892	0.0413	0.312412
<i>Armc3</i>	chr2:19199301-19310241	0.9551	0.7602	-0.3292	0.393148
<i>Dnajc10</i>	chr2:80315465-80354043	25.5293	23.5046	-0.1192	0.357809
<i>NA</i>	chr4:116033906-116053380	4.8527	4.4077	-0.1388	0.314387
<i>Susd2</i>	chr10:75636618-75644008	0.5101	0.4027	-0.3410	0.221993
<i>Tssc1</i>	chr12:28751827-28867491	20.5641	18.8595	-0.1248	0.297306
<i>Eif4a1</i>	chr11:69666935-69672423	35.6283	36.8054	0.0469	0.386298
<i>Map4k3</i>	chr17:80580511-80728093	3.8462	4.1269	0.1016	0.450444
<i>Rrp1</i>	chr10:78400361-78413043	89.2125	94.6465	0.0853	0.543776
<i>Dyrk2</i>	chr10:118859348-118868903	41.5509	39.0423	-0.0898	0.183069
<i>Gm22442</i>	chr11:69350517-69350661	1398.4608	1535.4733	0.1348	0.595946
<i>Sgsm2</i>	chr11:74849260-74897060	1.4600	1.6108	0.1417	0.502007
<i>Hist1h1b</i>	chr13:21779882-21780625	33.1203	41.8042	0.3359	0.474138
<i>Man2b2</i>	chr5:36806920-36830653	12.6422	13.5784	0.1031	0.542218
<i>Mki67</i>	chr7:135689787-135716379	8.8192	11.1858	0.3429	0.462170
<i>Akap14</i>	chrX:37150697-37168842	0.4531	0.5838	0.3657	0.276482
<i>Stag2</i>	chrX:42149316-42277185	60.4704	63.3184	0.0664	0.498992
<i>Micall1</i>	chr15:79108971-79136897	7.9438	7.2950	-0.1229	0.382928
<i>Tmem138</i>	chr19:10570477-10577362	7.0775	6.3934	-0.1466	0.164972
<i>Slk</i>	chr19:47579677-47645246	31.6356	32.5316	0.0403	0.396715
<i>Dtd1</i>	chr2:144599896-144768758	10.7776	11.4575	0.0883	0.425638
<i>Gfod2</i>	chr8:105713853-105758664	1.8873	1.6388	-0.2037	0.362036
<i>Mtmr3</i>	chr11:4480867-4594863	29.6121	28.0365	-0.0789	0.164982
<i>Git1</i>	chr11:77493561-77507786	6.6365	6.0464	-0.1343	0.385552
<i>G2e3</i>	chr12:51348060-51376986	10.5665	9.7617	-0.1143	0.350795
<i>Lsm4</i>	chr8:70673247-70678752	67.8863	73.4945	0.1145	0.558728
<i>Qprt</i>	chr7:127107113-127122226	5.1956	5.5309	0.0902	0.287201
<i>Apba3</i>	chr10:81268171-81273246	10.0264	9.1044	-0.1392	0.340865
<i>Kdm6b</i>	chr11:69398507-69413675	2.6343	2.8348	0.1058	0.498025
<i>Card14</i>	chr11:119307767-119345375	4.0084	3.6409	-0.1387	0.313369
<i>Dlst</i>	chr12:85110832-85134091	51.8027	53.0376	0.0340	0.149331
<i>Ccdc102a</i>	chr8:94902868-94918098	12.1656	11.1413	-0.1269	0.265931
<i>Cog8</i>	chr8:107046288-107056689	20.5618	19.3812	-0.0853	0.076261
<i>NA</i>	chr15:62217540-62219403	0.9163	0.6898	-0.4095	0.433788
<i>NA</i>	chr1:6214611-6215292	8.1075	6.9637	-0.2194	0.395107
<i>Jtb</i>	chr3:90231596-90235838	43.3785	40.3803	-0.1033	0.244033
<i>Gm20479</i>	chr7:27352648-27357419	12.1249	13.4335	0.1479	0.435741
<i>Snx3</i>	chr10:42502029-42535381	39.8200	42.6676	0.0996	0.518724
<i>Prrt2</i>	chr10:76207221-76237865	3.0472	2.6439	-0.2048	0.388731
<i>Gm4189</i>	chr10:127289695-127290788	1.5503	2.0887	0.4300	0.312054
<i>Gm25206</i>	chr10:128084142-128084216	24.9995	20.0292	-0.3198	0.263829
<i>Tefm</i>	chr11:80136677-80142175	6.5722	7.2249	0.1366	0.502484
<i>Gm26668</i>	chr11:102863336-103075903	2.4061	2.1335	-0.1735	0.329914

<i>Sf3b6</i>	chr12:4817607-4827658	72.7096	78.2476	0.1059	0.537936
<i>Arid4a</i>	chr12:71015989-71098592	41.3717	43.4599	0.0710	0.532982
<i>Zfyve1</i>	chr12:83546940-83597147	12.9959	12.1888	-0.0925	0.120218
<i>AK010878</i>	chr12:102719974-102757810	3.7243	3.3753	-0.1420	0.315886
<i>Dhx15</i>	chr5:52150208-52190519	157.2240	162.1199	0.0442	0.392589
<i>Lnx1</i>	chr5:74592445-74702911	2.9911	3.2871	0.1362	0.542400
<i>Gm13842</i>	chr5:116026410-116029230	7.2882	6.4870	-0.1680	0.221868
<i>Snora15</i>	chr5:129794545-129794676	14.8754	12.0379	-0.3053	0.285277
<i>Trim56</i>	chr5:137105643-137116209	37.7684	35.7830	-0.0779	0.111900
<i>Zfp467</i>	chr6:48427696-48445825	0.3163	0.3824	0.2736	0.185547
<i>Il12rb2</i>	chr6:67291317-67376188	4.2437	3.7970	-0.1605	0.352104
<i>Ggcx</i>	chr6:72414307-72430712	6.1134	5.5581	-0.1374	0.305698
<i>Usp18</i>	chr6:121245905-121270916	24.1423	28.8083	0.2549	0.476527
<i>Snord33</i>	chr7:45126863-45126947	23.1086	17.9983	-0.3606	0.354529
<i>Gm16171</i>	chr7:80907824-80908148	4.2550	3.2833	-0.3740	0.280895
<i>Numa1</i>	chr7:10196842-102014959	79.7056	82.0995	0.0427	0.499516
<i>Trpc2</i>	chr7:102065510-102096864	6.5078	6.1249	-0.0875	0.021982
<i>Slc5a2</i>	chr7:128265656-128272430	2.3832	2.6236	0.1387	0.431791
<i>Zfp930</i>	chr8:69226342-69228980	17.2747	15.5421	-0.1525	0.371129
<i>Comp</i>	chr8:70373547-70382065	0.4506	0.3242	-0.4749	0.421320
<i>Prkaca</i>	chr8:83972977-83996445	13.0341	11.9656	-0.1234	0.317103
<i>Thyn1</i>	chr9:26999676-27007330	42.9856	39.8947	-0.1077	0.217947
<i>Nlr1</i>	chr9:44252712-44268599	0.9585	1.1044	0.2044	0.447399
<i>Scamp2</i>	chr9:57560943-57588797	23.7038	22.1006	-0.1010	0.259630
<i>Pkm</i>	chr9:59656367-59679375	117.1855	122.9630	0.0694	0.539262
<i>4930429F24Rik</i>	chr9:79793640-79803235	1.0894	1.3180	0.2747	0.425883
<i>Rasa2</i>	chr9:96539299-96631617	18.1599	16.9908	-0.0960	0.253446
<i>Col7a1</i>	chr9:108953585-108984875	0.2022	0.1644	-0.2992	0.263770
<i>Scap</i>	chr9:110333287-110384946	20.1747	18.7302	-0.1072	0.357153
<i>Zdhhc9</i>	chrX:48171968-48208878	1.5011	1.6530	0.1391	0.501806
<i>Nhp2l1</i>	chr15:82041318-82047598	5.7045	6.1457	0.1075	0.326390
<i>Tenc1</i>	chr15:102102987-102116401	0.4634	0.5481	0.2421	0.365151
<i>Fbxo34</i>	chr14:47472560-47531962	4.1302	3.7377	-0.1440	0.282358
<i>Nudt18</i>	chr14:70577846-70582571	2.4022	2.0983	-0.1952	0.362678
<i>Tnfrsf12a</i>	chr17:23675446-23677449	2.7201	2.1901	-0.3127	0.370032
<i>Btla</i>	chr16:45224314-45252895	50.4221	53.7754	0.0929	0.569967
<i>Samsn1</i>	chr16:75858792-76022270	9.7013	10.2015	0.0725	0.473330
<i>Slc5a3</i>	chr16:92058321-92087473	4.3175	3.9445	-0.1304	0.394316
<i>Vps37c</i>	chr19:10688814-10714419	5.8176	6.2547	0.1045	0.424730
<i>Rpl18-ps1</i>	chr1:60900897-60901422	3.5589	4.2375	0.2518	0.321757
<i>Rnpep</i>	chr1:135262711-135284084	12.2474	11.4322	-0.0994	0.159914
<i>Pvrl4</i>	chr1:171370098-171388598	0.3639	0.4537	0.3180	0.388867
<i>F830016B08Rik</i>	chr18:60293379-60303016	0.1960	0.2956	0.5930	0.529492
<i>Rbm17</i>	chr2:11585438-11604153	37.2768	39.6169	0.0878	0.524056
<i>Trub2</i>	chr2:29761223-29788502	6.1769	6.5089	0.0755	0.474032
<i>Tspan18</i>	chr2:93201759-93334505	0.2486	0.2005	-0.3099	0.257346
<i>Gm27027</i>	chr2:93956816-93996354	9.2306	10.3203	0.1610	0.342090
<i>Dph6</i>	chr2:114516415-114654964	3.7454	3.9296	0.0693	0.330698
<i>Galk2</i>	chr2:125859108-125984299	8.0784	7.5169	-0.1039	0.200498
<i>Mynn</i>	chr3:30602086-30618492	14.6372	15.2590	0.0600	0.378144
<i>Creb3l4</i>	chr3:90237499-90243512	0.7217	0.5563	-0.3753	0.115323
<i>Otud7b</i>	chr3:96104526-96161129	5.8849	5.4795	-0.1030	0.232458
<i>1700123M08Rik</i>	chr4:11966564-11994280	0.7658	0.9600	0.3261	0.093632
<i>Coq3</i>	chr4:21879672-21912162	3.4483	3.7187	0.1089	0.374435
<i>Srsf4</i>	chr4:131873616-131901706	18.4314	17.1075	-0.1075	0.325249
<i>Nmnat1</i>	chr4:149467571-149485202	2.2244	1.9490	-0.1907	0.263315
<i>Mpc1-ps</i>	chr12:110858069-110858942	0.6822	0.9438	0.4684	0.345962
<i>Arhgap27</i>	chr11:103331496-103363692	13.8756	12.8344	-0.1125	0.368936
<i>Dcaf7</i>	chr11:106036871-106059324	35.8448	33.8714	-0.0817	0.162270
<i>Tm9sf1</i>	chr14:55635964-55643806	15.5923	14.5687	-0.0980	0.219192
<i>Gm16151</i>	chr1:38307901-38311930	4.8672	5.5703	0.1946	0.373824
<i>Agpat3</i>	chr10:78269177-78352489	21.0162	19.9698	-0.0737	0.033859
<i>Gm17134</i>	chr10:79863936-79864434	31.3287	28.3943	-0.1419	0.217916
<i>4930442H23Rik</i>	chr10:81182604-81183849	2.3526	2.0042	-0.2312	0.051017
<i>Gm16062</i>	chr11:59810079-59818491	23.1114	20.9602	-0.1409	0.295912
<i>Tes3-ps</i>	chr13:49493614-49494819	1.8221	2.1748	0.2553	0.365610
<i>Cetn3</i>	chr13:81783291-81797143	49.0369	52.3810	0.0952	0.527064
<i>Apc-ps1</i>	chr5:76196624-76197094	3.0649	2.3403	-0.3892	0.342149
<i>Dck</i>	chr5:88764995-88783281	18.1715	17.0239	-0.0941	0.176934
<i>Gcc1</i>	chr6:28416090-28428390	12.0028	11.2390	-0.0949	0.158653
<i>Srgap3</i>	chr6:112717970-112947266	0.3989	0.5641	0.4999	0.489873

<i>Cd37</i>	chr7:45233631-45239115	31.7479	32.9094	0.0518	0.494993
<i>Ing1</i>	chr8:11556065-11563250	18.3956	17.0964	-0.1057	0.235150
<i>Dync1li2</i>	chr8:104417673-104443047	18.6562	17.4996	-0.0923	0.173375
<i>Dyx1c1Ccp1</i>	chr9:72958851-73016319	25.1470	23.6280	-0.0899	0.153702
<i>Gm9159</i>	chrX:103597770-103598336	1.2267	1.6683	0.4436	0.460478
<i>Traj17</i>	chr14:54201774-54201837	46.2948	38.3232	-0.2726	0.339193
<i>Clic5</i>	chr17:44188571-44280168	0.2561	0.2031	-0.3341	0.132147
<i>Dhx57</i>	chr17:80238303-80290476	19.0595	19.6912	0.0470	0.410850
<i>Gm26626</i>	chr16:92612813-92620105	1.5033	1.9129	0.3477	0.384835
<i>Gm996</i>	chr2:25575415-25580099	0.2285	0.1711	-0.4173	0.223493
<i>Tgif2</i>	chr2:156840076-156855570	4.2701	3.9063	-0.1285	0.147127
<i>Trmt13</i>	chr3:116581092-116614587	11.3003	11.7434	0.0555	0.361860
<i>Chd7</i>	chr4:8690405-8867659	26.8871	25.3854	-0.0829	0.237831
<i>Macf1</i>	chr4:123349632-123684360	212.5552	198.4139	-0.0993	0.328864
<i>Eif3i</i>	chr4:129591959-129600648	47.8173	43.7996	-0.1266	0.390500
<i>Lypla1</i>	chr1:4807787-4886770	13.7621	14.3586	0.0612	0.483606
<i>Gm17201</i>	chr10:128391841-128395563	3.7234	2.8796	-0.3707	0.327286
<i>Gm26609</i>	chr9:62804477-62808234	0.7355	0.9690	0.3978	0.114176
<i>Gm14508</i>	chr5:116009315-116016105	3.0312	2.4710	-0.2948	0.379186
<i>Trav16d-dv11</i>	chr14:53047286-53047821	3.5381	4.4867	0.3427	0.384388
<i>Btbd11</i>	chr10:85386813-85660292	5.7835	6.1003	0.0769	0.519318
<i>Brip1os</i>	chr11:86201369-86304443	14.9596	14.0508	-0.0904	0.199495
<i>Atg2b</i>	chr12:105613538-105685241	15.5734	14.6626	-0.0869	0.236470
<i>Nr2c2</i>	chr6:92091389-92173057	29.9209	27.9476	-0.0984	0.343427
<i>Snora7a</i>	chr6:115807974-115808114	133.6971	105.2590	-0.3450	0.409669
<i>Vps36</i>	chr8:22192808-22220843	16.9111	15.7600	-0.1017	0.201833
<i>Polr1c</i>	chr17:46243919-46248054	23.5851	21.6480	-0.1236	0.327432
<i>Cox5b</i>	chr1:36691486-36693385	63.0105	69.7588	0.1468	0.565147
<i>Nup210l</i>	chr3:90104131-90212017	2.1761	2.3305	0.0989	0.308532
<i>Rwdd3</i>	chr3:121155399-121171695	1.4665	1.6052	0.1303	0.383244
<i>Papss1</i>	chr3:131564767-131643670	13.5951	12.6258	-0.1067	0.212992
<i>Mtrf1l</i>	chr10:5811886-5823910	9.8536	10.2618	0.0586	0.282433
<i>Adamts17</i>	chr7:66839734-67152625	0.1262	0.0917	-0.4607	0.300453
<i>Sdcbp</i>	chr4:6365649-6408423	33.9153	31.3008	-0.1157	0.372465
<i>Padi1</i>	chr4:140812982-140845778	0.2472	0.3187	0.3664	0.422346
<i>Tada3</i>	chr6:113366024-113377883	5.9515	6.2624	0.0735	0.324632
<i>Armcx5</i>	chrX:135742732-135747322	7.3575	7.6928	0.0643	0.348944
<i>Trav6-1</i>	chr14:52638514-52638962	4.7272	5.8991	0.3195	0.452231
<i>Gm26510</i>	chr17:70874351-70924996	8.7468	9.3640	0.0984	0.445475
<i>Cntf</i>	chr19:12763659-12765632	3.9266	3.3288	-0.2383	0.377705
<i>Nuak2</i>	chr1:132316125-132333488	0.9385	0.7911	-0.2465	0.325520
<i>Hdhd2</i>	chr18:76930125-76972902	9.3635	9.9074	0.0815	0.507212
<i>Fbxw5</i>	chr2:25500749-25505471	16.3248	14.9984	-0.1223	0.357173
<i>Gm13622</i>	chr2:69737356-69737789	3.6618	2.7831	-0.3959	0.472483
<i>Wipf1</i>	chr2:73429609-73529734	22.7650	24.3866	0.0993	0.613665
<i>Dnttip2</i>	chr3:122274413-122285269	44.6162	46.5201	0.0603	0.460245
<i>Ubp2</i>	chr4:41194312-41275144	8.0274	8.6077	0.1007	0.559934
<i>Tcea1</i>	chr1:4857813-4897909	9.2486	9.7511	0.0763	0.388616
<i>Ankrd52</i>	chr10:128377114-128408704	5.2046	5.5880	0.1026	0.587618
<i>9430091E24Rik</i>	chr8:111128885-111145480	10.2220	9.2558	-0.1433	0.251772
<i>Gm22249</i>	chr5:38546457-38546593	30.6172	26.2746	-0.2207	0.221908
<i>Ipo4</i>	chr14:55625399-55637895	11.4774	11.8935	0.0514	0.449530
<i>Mir342</i>	chr12:108658619-108658718	10.5364	7.8254	-0.4292	0.344903
<i>Smim13</i>	chr13:41249859-41276574	3.4062	3.0647	-0.1524	0.400986
<i>Rbl2</i>	chr8:91070056-91123844	26.4344	27.2958	0.0463	0.500788
<i>Glb1</i>	chr9:114401075-114474376	18.6906	17.2856	-0.1127	0.306417
<i>Fmr1</i>	chrX:68678540-68717963	11.7965	12.2395	0.0532	0.469252
<i>March5</i>	chr19:37207542-37222139	20.8009	19.4864	-0.0942	0.087710
<i>Pip4k2a</i>	chr2:18842254-18998126	32.1915	33.5277	0.0587	0.420758
<i>Bach2</i>	chr4:32238803-32586108	8.2173	8.9297	0.1200	0.607369
<i>Trav6-3</i>	chr14:53428710-53430375	2.2196	1.5518	-0.5164	0.363659
<i>Sec11a</i>	chr7:80904888-80947780	22.3920	20.9642	-0.0951	0.201421
<i>Hexim2</i>	chr11:103132428-103139876	1.7285	1.4992	-0.2053	0.132597
<i>Mzt1</i>	chr14:99034543-99046136	22.2776	23.2525	0.0618	0.421201
<i>Nt5dc3</i>	chr10:86779004-86838389	3.4395	3.1608	-0.1219	0.258570
<i>Aurkb</i>	chr11:69045646-69051664	1.7722	2.1188	0.2577	0.605387
<i>Zfp367</i>	chr13:64133021-64153202	6.8622	7.1538	0.0600	0.330758
<i>Cwc27</i>	chr13:104631139-104817142	8.9781	9.6179	0.0993	0.519959
<i>Ubc</i>	chr5:125385964-125390202	33.4735	30.8085	-0.1197	0.382822
<i>Taldo1</i>	chr7:141392198-141402968	61.8367	56.4988	-0.1302	0.405208
<i>Leprotil1</i>	chr8:34135571-34147033	75.4709	70.6774	-0.0947	0.258876

<i>Abcb10</i>	chr8:123952458-123983122	2.3559	2.5584	0.1190	0.493316
<i>Panx1</i>	chr9:15005160-15045478	25.3713	23.8829	-0.0872	0.149650
<i>C030014I23Rik</i>	chr9:44477923-44482180	2.0729	1.7936	-0.2088	0.286504
<i>Trps1</i>	chr15:50654760-50890041	1.8765	2.0117	0.1003	0.516608
<i>Ap3m1</i>	chr14:21031441-21052508	12.0252	12.4214	0.0468	0.393279
<i>Gm17103</i>	chr16:38569322-38573300	5.2538	4.4232	-0.2483	0.225874
<i>Zdhhc23</i>	chr16:43969077-43979093	1.7068	1.9698	0.2067	0.234754
<i>Nfkbiz</i>	chr16:55811374-55838899	25.9708	26.7638	0.0434	0.431217
<i>Ncaph</i>	chr2:127103808-127133954	2.5577	2.9102	0.1863	0.593708
<i>Gm9774</i>	chr3:92428065-92429423	1.2744	0.9811	-0.3773	0.297518
<i>Mllt3</i>	chr4:87769924-88033364	11.8122	12.3969	0.0697	0.511249
<i>Ovgp1</i>	chr3:105973710-105987423	4.7012	4.3143	-0.1239	0.166966
<i>Gm22767</i>	chr4:132838382-132838547	15.1226	11.5842	-0.3845	0.445178
<i>Cdk1</i>	chr10:69336634-69352938	1.8809	2.1775	0.2112	0.603142
<i>Mettl9</i>	chr7:121034444-121076834	37.0676	33.4583	-0.1478	0.443486
<i>Zfyve26</i>	chr12:79232346-79296282	8.8309	8.1395	-0.1176	0.400897
<i>Mir671</i>	chr5:24592113-24592211	9.4612	6.9440	-0.4463	0.247436
<i>Mest</i>	chr6:30723546-30748455	0.8412	0.9560	0.1845	0.372946
<i>Tmem176a</i>	chr6:48841482-48845364	0.6176	0.8005	0.3743	0.153406
<i>Zfp619</i>	chr7:39517765-39540420	1.8039	1.6135	-0.1609	0.309768
<i>Timm44</i>	chr8:4259730-4275913	19.5703	20.1713	0.0436	0.293678
<i>Tgjf1</i>	chr17:70844204-70853546	10.3560	10.9990	0.0869	0.528166
<i>Mrpl11</i>	chr19:4962305-4966995	8.1245	8.5826	0.0791	0.426804
<i>Fam89b</i>	chr19:5728086-5729653	28.6194	30.4117	0.0876	0.510819
<i>Lpgat1</i>	chr1:191717833-191784255	5.7713	6.1329	0.0877	0.549489
<i>Nudt17</i>	chr3:96705891-96708560	0.8665	0.6718	-0.3672	0.215521
<i>Sarnp</i>	chr10:128821770-128877638	12.5540	13.5319	0.1082	0.431366
<i>Gm12061</i>	chr11:23894559-23895488	5.6374	6.5796	0.2230	0.425494
<i>Tob1</i>	chr11:94211453-94215495	8.1686	8.9293	0.1285	0.548449
<i>Ung</i>	chr5:114130385-114139323	6.5144	5.9642	-0.1273	0.192939
<i>9130023H24Rik</i>	chr7:128234450-128238031	5.4228	5.7227	0.0776	0.380263
<i>Map2k7</i>	chr8:4238739-4251423	15.9775	16.9248	0.0831	0.568623
<i>Gm15210</i>	chr8:100030486-100032147	7.4703	6.7541	-0.1454	0.272973
<i>Celf2</i>	chr2:6539693-7509563	11.1504	11.5671	0.0529	0.538295
<i>Gm13571</i>	chr2:60338187-60371234	6.9087	7.5166	0.1217	0.586780
<i>Fastkd1</i>	chr2:69686814-69713516	4.8974	4.4621	-0.1343	0.377983
<i>Efcab7</i>	chr4:99829197-99912788	2.3506	2.0343	-0.2085	0.283459
<i>A3galt2</i>	chr4:128755363-128769298	0.2738	0.3478	0.3453	0.386365
<i>Mre11a</i>	chr9:14784653-14837123	13.5268	12.6905	-0.0921	0.182020
<i>Gm15560</i>	chr10:7808115-7808758	3.0077	3.5630	0.2444	0.304257
<i>Gm26546</i>	chr10:88379243-88383711	2.0981	2.3414	0.1583	0.551586
<i>Idx41</i>	chr13:55530409-55536658	37.9073	39.5714	0.0620	0.503846
<i>Dtgam</i>	chr7:128062639-128128160	0.8441	0.9439	0.1613	0.494737
<i>5830432E09Rik</i>	chr7:135635930-135652314	2.8173	2.5368	-0.1513	0.331165
<i>Mta2</i>	chr19:8941874-8952303	83.4323	79.0851	-0.0772	0.133246
<i>Cfap43</i>	chr19:47737560-47919287	0.4529	0.3804	-0.2516	0.206272
<i>Nfyc</i>	chr4:120757437-120831572	9.5912	8.8654	-0.1135	0.255200
<i>Gm12102</i>	chr11:31003294-31003898	2.7193	3.2561	0.2599	0.367422
<i>Rnf145</i>	chr11:44518963-44565520	35.5798	33.5392	-0.0852	0.268927
<i>Lrrc59</i>	chr11:94629766-94645216	25.7093	23.9682	-0.1012	0.276303
<i>Asb13</i>	chr13:3634031-3651774	17.6356	16.2253	-0.1202	0.365828
<i>4930470G03Rik</i>	chr13:21440470-21445934	26.2786	24.1222	-0.1235	0.412756
<i>Suds3</i>	chr5:117091681-117115993	38.3655	35.3559	-0.1179	0.329454
<i>Zfp956</i>	chr6:47953389-47965300	13.6579	12.7447	-0.0998	0.140124
<i>2010315B03Rik</i>	chr9:124292990-124311750	18.3136	16.6235	-0.1397	0.378078
<i>Maf1</i>	chr15:76351293-76354380	56.5093	52.5338	-0.1052	0.322913
<i>Gfer</i>	chr17:24693190-24696156	8.7075	9.3626	0.1047	0.479183
<i>Rhot2</i>	chr17:25838456-25844851	16.3118	15.3283	-0.0897	0.187625
<i>Gm16580</i>	chr17:26269335-26270379	2.7560	3.2911	0.2560	0.485755
<i>Hdgfrp2</i>	chr17:56079656-56100596	35.0133	36.6207	0.0648	0.502072
<i>Ier5</i>	chr1:155096366-155099636	47.8385	44.5488	-0.1028	0.289836
<i>Mllt10</i>	chr2:18055236-18212388	22.8619	23.4142	0.0344	0.198583
<i>Snhg7</i>	chr2:26637176-26640244	16.3237	15.2692	-0.0963	0.084257
<i>Dnajc17</i>	chr2:119172499-119208795	8.3811	9.0504	0.1108	0.446109
<i>Kcnb1</i>	chr2:167103377-167190155	0.2561	0.3217	0.3289	0.319414
<i>Taf12</i>	chr4:132274374-132295766	11.1110	11.8192	0.0891	0.508323
<i>Dph1</i>	chr11:75177642-75191241	15.4595	16.1056	0.0591	0.440937
<i>Gm11675</i>	chr11:111276099-111276931	1.8668	2.2483	0.2683	0.316042
<i>Bckdhb</i>	chr9:83925149-84124239	6.4944	7.0026	0.1087	0.273837
<i>Ngdn</i>	chr14:55015453-55024135	56.9381	53.0285	-0.1026	0.236149
<i>Pgap1</i>	chr1:54472999-54557684	7.2896	6.7781	-0.1050	0.305850

Gm7701	chr18:24257377-24258856	1.9626	2.2612	0.2043	0.372726
Rtel1	chr2:181319738-181356616	20.0411	19.0049	-0.0766	0.085714
Tmem79	chr3:88328654-88334504	0.9811	0.8124	-0.2721	0.323678
AW011738	chr4:156203303-156205151	17.2498	15.7259	-0.1334	0.363930
Lamp1	chr8:13159134-13175338	66.7253	62.8206	-0.0870	0.199540
Sptbn1	chr11:30099394-30268175	50.2514	47.3722	-0.0851	0.284721
Mrpl45	chr11:97315715-97329920	11.5068	10.6346	-0.1137	0.227808
Galc	chr12:98202303-98259459	1.2614	1.1001	-0.1974	0.202905
Neil3	chr8:53586866-53639065	0.6990	0.8303	0.2483	0.541468
Zc3h18	chr8:122376608-122417360	13.2224	13.8193	0.0637	0.547332
Disc1	chr8:125054194-125261858	1.4620	1.6022	0.1321	0.170934
Gspt1	chr16:11219291-11254270	26.8909	27.7147	0.0435	0.436767
Gm22422	chr16:56035752-56035887	96.6584	74.3499	-0.3786	0.423418
Gm16066	chr19:3798614-3852419	2.4840	2.0758	-0.2590	0.303166
Strbp	chr2:37569867-37703859	4.8005	5.0022	0.0594	0.448899
Snord12	chr2:167065275-167065365	43.6206	49.8950	0.1939	0.458248
Gm22573	chr4:155720039-155720141	11.1145	13.6861	0.3003	0.226404
Kmt2a	chr9:44803354-44881296	14.2471	15.4353	0.1156	0.636861
Snw1	chr12:87449935-87472299	84.8629	88.3841	0.0587	0.499126
Kdm2a	chr19:4316143-4398285	23.5832	22.3363	-0.0784	0.200350
Zfp93	chr7:24270419-24276827	1.6123	1.3338	-0.2736	0.423070
Supg2	chr8:70234225-70279915	8.1456	7.5618	-0.1073	0.385655
Swi5	chr2:32278815-32288075	30.6219	33.1891	0.1161	0.568976
Slain1os	chr14:103692982-103699442	4.7021	4.2797	-0.1358	0.246804
Helz	chr11:107547929-107693826	6.2488	6.5709	0.0725	0.583662
5033403F01Rik	chr13:38960618-38966299	0.4737	0.6165	0.3801	0.184655
Jakmip1	chr5:37028334-37148001	27.8104	25.9993	-0.0972	0.313907
Bcl7a	chr5:123343833-123374082	3.0974	2.8711	-0.1095	0.218736
Ddx55	chr5:124552863-124569660	9.4286	8.8450	-0.0922	0.138087
Ngp	chr9:110419749-110423010	0.9123	1.3308	0.5447	0.538279
Tomm6os	chr17:47687609-47691083	1.1127	0.9396	-0.2439	0.305820
Atrnl1	chr19:57611033-58133338	2.7761	2.5432	-0.1264	0.264147
Pask	chr1:93308769-93343482	0.6255	0.5293	-0.2409	0.451741
Ass1	chr2:31470206-31520672	5.7306	6.1336	0.0980	0.405603
Gm21985	chr2:112266313-112406319	28.8247	27.0458	-0.0919	0.271476
Dut	chr2:125247189-125258608	14.5093	13.5233	-0.1015	0.130239
Dnttip1	chr2:164745982-164768607	9.8683	10.4052	0.0764	0.313805
B430305J03Rik	chr3:61362249-61365951	6.8579	6.2699	-0.1293	0.344168
Rhoc	chr3:104789010-104794459	1.5442	1.1995	-0.3645	0.406336
Iqsec1	chr6:90659597-90810123	7.7546	8.3285	0.1030	0.612919
Prpf6	chr2:181591867-181655660	31.9672	33.3796	0.0624	0.517004
Scoc	chr8:83434492-83458391	2.4001	2.7329	0.1873	0.475710
Lsm7	chr10:80852824-80855209	6.8618	7.9307	0.2089	0.417758
Zkscan6	chr11:65807174-65829239	18.1138	16.8355	-0.1056	0.231147
0610010K14Rik	chr11:70235205-70237914	13.4392	14.4006	0.0997	0.515642
Mllt6	chr11:97663413-97685463	57.7924	54.3887	-0.0876	0.283526
Cbx4	chr11:119077572-119086221	20.4520	19.2039	-0.0908	0.212179
Yae1d1	chr13:17986639-17993351	4.0705	3.6122	-0.1723	0.426754
Nol7	chr13:43398375-43402858	60.2050	63.5257	0.0775	0.526639
Ndufaf2	chr13:108052589-108158625	8.2295	7.2155	-0.1897	0.211026
Lrrc8c	chr5:105519387-105613018	11.7256	12.3513	0.0750	0.591418
Rad51ap1	chr6:126923049-126939587	1.2506	1.4140	0.1772	0.540194
Fkbp4	chr6:128429734-128438677	53.4670	48.9555	-0.1272	0.395066
Anapc15	chr7:101881324-101901845	5.1687	4.7777	-0.1135	0.181090
NA	chr7:119739925-119742226	1.0801	0.8227	-0.3927	0.398345
Tbx6	chr7:126781482-126785560	5.5402	4.8924	-0.1794	0.402016
Tial1	chr7:128439776-128461717	17.6069	16.5294	-0.0911	0.254675
Lsp1	chr7:142460808-142494867	111.0776	116.8333	0.0729	0.561982
Gm26572	chr8:121091627-121094858	2.1987	1.9472	-0.1752	0.312209
Gramd1b	chr9:40293232-40531383	10.8796	11.3594	0.0623	0.564469
Gm1848	chrX:21146842-21147640	5.4627	6.1891	0.1801	0.413559
Nox1	chrX:134086420-134221956	2.5050	2.2086	-0.1817	0.389341
Naprt	chr15:75890963-75894481	0.6921	0.5343	-0.3735	0.325587
Piwil2	chr14:70372479-70429094	0.1981	0.1441	-0.4596	0.373388
Gm15869	chr16:14316073-14317285	3.4594	2.8378	-0.2857	0.313572
Tmem44	chr16:30511854-30550842	0.1491	0.1147	-0.3790	0.395596
Adprh	chr16:38445398-38452689	21.3334	19.7213	-0.1134	0.308001
Snora41	chr1:63179003-63179135	19.6149	16.0513	-0.2893	0.357467
BC055324	chr1:163945992-163994796	5.1667	5.4885	0.0872	0.476110
Dnlz	chr2:26348120-26352110	11.1814	10.3878	-0.1062	0.164723
Atp9a	chr2:168634437-168742409	0.4397	0.3694	-0.2513	0.271942

Pag1	chr3:9687478-9833679	22.8351	21.2469	-0.1040	0.390920
Slc50a1	chr3:89268245-89270570	58.1896	59.9620	0.0433	0.409045
Cyb561d1	chr3:108195686-108201212	8.7186	8.1926	-0.0898	0.055500
Csf3r	chr4:126024549-126044440	0.2796	0.3830	0.4538	0.580915
R3hcc1l	chr19:42518758-42592343	7.8443	8.1938	0.0629	0.433950
AA474331	chr10:39890017-39899238	4.6974	5.0216	0.0963	0.541763
Zfp870	chr17:32879227-32886083	0.1357	0.1807	0.4135	0.398916
Rfwd2	chr1:159232325-159347580	5.0870	5.4283	0.0937	0.509084
Cep250	chr2:155956457-155998900	16.7343	15.7506	-0.0874	0.268533
Sidt1	chr16:44240179-4433196	70.5297	75.4229	0.0968	0.624534
Oprm1	chr10:6758505-7038198	1.9344	1.7057	-0.1815	0.488129
Gas2l3	chr10:89408822-89443967	0.2152	0.2719	0.3377	0.515908
Gns	chr10:121365089-121397245	9.0987	9.5123	0.0641	0.491467
Tgtp1	chr11:48985326-48994172	31.1040	32.9172	0.0817	0.543062
Hnrmp1	chr11:50376989-50386528	98.9253	102.3503	0.0491	0.494038
Axin2	chr11:108920348-108950783	8.6182	7.8821	-0.1288	0.435411
Hexdc	chr11:121204432-121222655	1.6834	1.4941	-0.1722	0.324974
Adam17	chr12:21323508-21373632	19.1898	18.0470	-0.0886	0.224932
Gm4419	chr12:21417910-21419803	2.2002	2.4668	0.1650	0.392908
NA	chr12:87442682-87444017	11.4956	12.1658	0.0817	0.348487
Mok	chr12:110807797-110840939	0.5056	0.6149	0.2824	0.447431
Faf2	chr13:54621783-54664068	16.2846	15.4237	-0.0784	0.032433
Cox7c	chr13:86044815-86046904	16.7855	17.8459	0.0884	0.396024
Gm4117	chr13:89739459-89887166	0.0382	0.0301	-0.3459	0.434634
Fbxl5	chr5:43744615-43821639	16.5314	17.0831	0.0474	0.441184
2210016L21Rik	chr5:114942157-114949783	9.9942	10.4340	0.0621	0.425784
Isy1	chr6:87818446-87838759	50.5708	54.1672	0.0991	0.560505
Gm20705	chr6:99384606-99388499	4.1971	4.5993	0.1320	0.496216
Thumpd3	chr6:113046224-113068273	23.3253	24.1305	0.0490	0.371900
Gm26591	chr6:120033521-120036471	3.0531	3.4287	0.1674	0.558131
Crebl2	chr6:134830153-134858931	13.0955	12.2018	-0.1020	0.273270
Yif1b	chr7:29238328-29247593	12.0348	13.0116	0.1126	0.530097
Ntrk3	chr7:78192361-78578408	2.4949	2.2620	-0.1414	0.279332
Smpd1	chr7:105554359-105558388	17.3068	18.1537	0.0689	0.522636
Pycard	chr7:127992102-127993867	62.2379	57.4695	-0.1150	0.372401
Nr2c2ap	chr8:70131332-70133739	19.1950	17.8335	-0.1061	0.046724
Siah1a	chr8:86723939-86746006	23.9302	25.0407	0.0654	0.449753
Mon1b	chr8:113635585-113645178	10.3992	9.7175	-0.0978	0.259424
Phldb1	chr9:44686303-44735198	0.1530	0.1905	0.3165	0.404666
Cep164	chr9:45766945-45828691	8.7129	8.0051	-0.1222	0.425564
Dpp8	chr9:65032457-65082650	45.8331	43.3275	-0.0811	0.157829
Cep63	chr9:102586577-102626534	7.5760	7.1035	-0.0929	0.136745
Rbm15b	chr9:106880928-106882289	16.5352	15.2353	-0.1181	0.274806
Ar	chrX:98149720-98323215	2.1902	2.3204	0.0833	0.442938
Itm2a	chrX:107397098-107403376	16.5436	17.6940	0.0970	0.587265
Snord72	chr15:5118403-5118484	42.0708	33.6679	-0.3214	0.474638
Eif3h	chr15:51786557-51865481	159.8617	173.0878	0.1147	0.575706
Gm23880	chr15:81586132-81586186	17.5497	13.2691	-0.4034	0.197790
Itga5	chr15:103344288-103366763	0.7862	0.6733	-0.2235	0.224379
Psmc6	chr14:14112183-14120984	37.7025	34.6532	-0.1217	0.386613
Trav6n-6	chr14:53132850-53133137	6.1775	4.9602	-0.3166	0.248657
Wdr46	chr17:33940659-33949695	27.5328	25.7431	-0.0970	0.287659
Xpo5	chr17:46202854-46242299	27.6339	26.1705	-0.0785	0.102046
Eef1g	chr19:8967040-8978479	61.3281	64.6389	0.0759	0.544346
Camsap2	chr1:136268122-136346104	12.2168	12.6820	0.0539	0.457743
Gm13199	chr2:5862079-5862934	9.4739	8.3959	-0.1743	0.248886
Pnpla7	chr2:24976032-25054057	21.8759	20.4236	-0.0991	0.346106
Setx	chr2:29124180-29182471	110.3701	104.3450	-0.0810	0.217504
Rtf1	chr2:119675067-119735407	16.4502	17.5371	0.0923	0.575512
Trp53bp1	chr2:121193280-121271407	9.9910	10.2631	0.0388	0.366828
Uqcc1	chr2:155846893-155930310	5.6842	5.2803	-0.1063	0.192611
Zswim3	chr2:164805097-164822130	3.4742	3.1117	-0.1590	0.284703
Acad9	chr3:36065978-36094944	5.0908	4.7525	-0.0992	0.192938
Wwp1	chr4:19608302-19708993	10.7452	11.1705	0.0560	0.484414
Mdn1	chr4:32657118-32775217	36.1396	33.9085	-0.0919	0.322651
Gm10300	chr4:132074696-132076992	0.7953	0.6348	-0.3252	0.340482
Szrd1	chr4:141113000-141139775	34.5722	32.0427	-0.1096	0.333856
Plekha2	chr4:141625733-141664899	4.5304	4.7800	0.0774	0.460123
Tnfrsf14	chr4:154922209-154928563	30.9242	32.5325	0.0731	0.514000
Gm15549	chr8:68798866-68799488	2.0184	1.5614	-0.3703	0.386131
Nmd3	chr3:69721984-69749042	19.3209	20.0581	0.0540	0.393876

<i>B130006D01Rik</i>	chr11:95723586-95726710	4.7815	4.3476	-0.1372	0.325265
<i>Rsph3a</i>	chr17:7945652-7979824	1.1744	0.9805	-0.2603	0.298419
<i>Tespa1</i>	chr10:130322851-130362642	48.9574	51.4907	0.0728	0.539561
<i>Vwc2</i>	chr11:11114222-11268931	0.2747	0.3485	0.3434	0.589110
<i>Napb</i>	chr2:148693984-148732467	0.2536	0.2982	0.2341	0.276858
<i>Ccar1</i>	chr10:62743927-62792368	34.7876	36.4883	0.0689	0.522869
<i>Hal</i>	chr10:93488767-93519304	0.1689	0.1289	-0.3899	0.223700
<i>Dnah9</i>	chr11:65831281-66168551	0.0860	0.0674	-0.3526	0.255905
<i>Tgfb3l</i>	chr8:4248213-4251423	2.8191	3.1696	0.1691	0.490152
<i>Sjfn3</i>	chr11:83191329-83215154	2.9706	3.4021	0.1957	0.578844
<i>Osm</i>	chr11:4236419-4241026	8.2881	8.7307	0.0751	0.272753
<i>Gm13387</i>	chr2:25122602-25145396	0.3111	0.4161	0.4195	0.524456
<i>Lurap1</i>	chr4:116132405-116151338	0.8885	0.7780	-0.1916	0.294021
<i>Rlf</i>	chr4:121145372-121215084	26.3006	27.1574	0.0462	0.462118
<i>Ddx56</i>	chr11:6258918-6267772	25.9125	24.2992	-0.0927	0.261444
<i>Zdhhc3</i>	chr9:123066159-123113205	11.3578	10.7740	-0.0761	0.147104
<i>Gm26892</i>	chr1:132036804-132067945	0.5844	0.4356	-0.4240	0.306295
<i>Pik3c2a</i>	chr7:116337275-116443458	29.1757	27.3397	-0.0938	0.319483
<i>Nde1</i>	chr16:14163274-14192928	25.2693	23.8675	-0.0823	0.117697
<i>Rab11fip2</i>	chr19:59902883-59943654	7.9080	8.2417	0.0596	0.485369
<i>Heatr5a</i>	chr12:51875872-51971321	7.6035	7.1329	-0.0922	0.183737
<i>NA</i>	chr1:55335366-55335883	3.1763	2.5162	-0.3361	0.394518
<i>Mdm4</i>	chr1:132989844-133025366	53.1754	49.8644	-0.0927	0.309272
<i>Gm7030</i>	chr17:36109718-36129425	2.1759	1.7782	-0.2912	0.306818
<i>Med23</i>	chr10:24869985-24913681	13.1545	12.4024	-0.0849	0.188235
<i>4930430F08Rik</i>	chr10:100572273-100589259	3.7862	4.0930	0.1124	0.406784
<i>Derl2</i>	chr11:71007163-71019841	8.9343	8.3881	-0.0910	0.182553
<i>Gm12359</i>	chr11:98797706-98810087	10.2419	9.4941	-0.1094	0.059784
<i>Galnt9</i>	chr5:110544344-110621382	1.0031	1.1756	0.2289	0.457848
<i>Ftl1</i>	chr7:45457943-45459884	63.6720	68.7446	0.1106	0.589497
<i>Tmc3</i>	chr7:83584926-83625614	1.1126	1.0088	-0.1412	0.131969
<i>Mettl10</i>	chr7:132827456-132852673	13.4543	14.1548	0.0732	0.381781
<i>Slc20a2</i>	chr8:22476699-22569607	3.2675	3.5284	0.1109	0.500346
<i>Imp3</i>	chr9:56937499-56938397	59.8355	55.0062	-0.1214	0.370226
<i>Anxa2</i>	chr9:69453619-69491795	15.7923	15.0523	0.1107	0.618031
<i>Hsf1</i>	chr15:76477444-76500972	22.3013	20.6530	-0.1108	0.346708
<i>Ankrd54</i>	chr15:79053093-79062893	8.9700	8.3825	-0.0977	0.190508
<i>Rarg</i>	chr15:102234937-102257517	16.3535	15.3072	-0.0954	0.240190
<i>Trav5-4</i>	chr14:53704006-53704513	4.5326	3.5055	-0.3707	0.398991
<i>Gm16573</i>	chr14:56607260-56620513	10.4146	11.5168	0.1451	0.590700
<i>Snx15</i>	chr19:6119398-6128304	6.0617	5.4780	-0.1461	0.295798
<i>Gm26879</i>	chr1:192092371-192099630	5.0560	4.4397	-0.1876	0.327131
<i>Dph7</i>	chr2:24962399-24972163	13.7399	12.5587	-0.1297	0.368894
<i>Supt20</i>	chr3:54692822-54728762	25.4195	26.5262	0.0615	0.496203
<i>Sfrp2</i>	chr3:83766320-83774316	1.8964	1.6230	-0.2246	0.375986
<i>Shisa3</i>	chr5:67607882-67623552	0.7971	0.8992	0.1739	0.450287
<i>Fam71e1</i>	chr7:44496587-44501134	1.6298	1.2949	-0.3318	0.221045
<i>Tspan32</i>	chr7:143005045-143019644	26.9379	25.0309	-0.1059	0.336243
<i>Foxo3</i>	chr10:42181840-42276755	16.3034	15.2490	-0.0965	0.348495
<i>Skp1a</i>	chr11:52231994-52246858	83.6647	76.4623	-0.1299	0.462539
<i>Snora21</i>	chr11:97781638-97781775	19.9446	22.6414	0.1830	0.326007
<i>NA</i>	chr13:67317941-67360605	8.0677	7.4149	-0.1217	0.389429
<i>Zbed5</i>	chr5:129895722-129903623	0.5796	0.4599	-0.3338	0.259568
<i>Kcmf1</i>	chr6:72841113-72899979	18.7264	19.6210	0.0673	0.470931
<i>Rpl32</i>	chr6:115805504-115808747	825.7219	700.7469	-0.2368	0.417758
<i>Zbtb45</i>	chr7:13004935-13009822	6.2772	5.7609	-0.1238	0.247838
<i>Rpl17-ps10</i>	chr7:72648756-72649311	2.4719	3.0486	0.3025	0.454694
<i>Nob1</i>	chr8:107412485-107425051	10.2079	9.4538	-0.1107	0.330742
<i>Sltm</i>	chr9:70542919-70592237	56.8945	59.2644	0.0589	0.497637
<i>Gm7666</i>	chr15:6653922-6654741	1.9773	1.5874	-0.3169	0.200394
<i>Dok2</i>	chr14:70766035-70778495	22.1614	23.5354	0.0868	0.581954
<i>Map3k13</i>	chr16:21891968-21931877	0.1904	0.2303	0.2746	0.278333
<i>Rela</i>	chr19:5637482-5648130	27.1087	28.5109	0.0728	0.568306
<i>Fam13b</i>	chr18:34442351-34506823	41.7319	39.1050	-0.0938	0.305914
<i>Tshz1</i>	chr18:84011626-84086404	12.1104	11.2736	-0.1033	0.351843
<i>4930417H01Rik</i>	chr2:122702046-122721456	1.6515	1.4207	-0.2172	0.094434
<i>Mrgbp</i>	chr2:180581303-180586304	20.8227	21.5702	0.0509	0.494773
<i>Rapgef2</i>	chr3:79062515-79181340	9.3257	9.6669	0.0518	0.552436
<i>Atp6v0b</i>	chr4:117884325-117887333	24.6069	22.8687	-0.1057	0.267208
<i>Pcyt2</i>	chr11:120610086-120617936	12.2963	11.5038	-0.0961	0.229591
<i>NA</i>	chr8:109863107-109864203	15.7771	16.8539	0.0953	0.487681

<i>Frmdbos</i>	chr19:5848507-5851372	46.0905	42.1186	-0.1300	0.361372
<i>Npm1</i>	chr11:33152286-33163206	134.9710	144.1091	0.0945	0.583150
<i>Dnajc27</i>	chr12:4082573-4110612	7.6541	7.9931	0.0625	0.440019
<i>Gpc1</i>	chr1:92831644-92860198	5.0417	4.4072	-0.1940	0.508290
<i>Mrps18a</i>	chr17:46110985-46128910	7.5452	7.8638	0.0597	0.261018
<i>Lyz2</i>	chr10:117277333-117282274	3.9372	4.6123	0.2283	0.571308
<i>Zfp456</i>	chr13:67345245-67375810	10.2913	9.5260	-0.1115	0.333143
<i>Mrpl23</i>	chr7:142532798-142540747	2.3738	2.0535	-0.2091	0.300259
<i>Fam188a</i>	chr2:12347262-12419469	11.7721	12.3870	0.0735	0.529242
<i>Rbbp8</i>	chr18:11633275-11743207	10.9791	11.5075	0.0678	0.493328
<i>Gopc</i>	chr10:52337023-52382124	12.6141	11.9013	-0.0839	0.046820
<i>Rexo1</i>	chr10:80540921-80561560	8.5482	7.9307	-0.1082	0.388097
<i>Elk3</i>	chr10:93247413-93311135	17.8273	16.8519	-0.0812	0.148635
<i>Pik3r5</i>	chr11:68432120-68497849	35.9028	37.8328	0.0755	0.608088
<i>Dcald</i>	chr11:102994046-103028333	2.9905	3.2395	0.1154	0.352997
<i>Sumo2</i>	chr11:115523101-115536276	4.1976	4.5352	0.1116	0.195444
<i>Klhdc1</i>	chr12:69241175-69284632	20.0104	20.8094	0.0565	0.464937
<i>Atxn3</i>	chr12:101918900-101958246	15.5772	14.6033	-0.0931	0.248891
<i>Wdr60</i>	chr12:116207049-116263025	0.2412	0.1815	-0.4106	0.217716
<i>Heatr1</i>	chr13:12395397-12438677	35.4506	33.1455	-0.0970	0.324056
<i>6720427107Rik</i>	chr13:48535522-48537822	38.3134	40.1643	0.0681	0.542751
<i>Etohd2</i>	chr13:59769964-59773680	16.5838	15.4811	-0.0993	0.284386
<i>4833420G17Rik</i>	chr13:119462758-119486117	61.1429	57.2049	-0.0960	0.354008
<i>Rheb</i>	chr5:24802822-24842624	9.9916	9.3429	-0.0968	0.245477
<i>Gtf3c2</i>	chr5:31151141-31180144	14.9351	13.9725	-0.0961	0.340290
<i>Nelfa</i>	chr5:33896935-33936413	8.7725	9.1944	0.0678	0.532945
<i>Fam114a1</i>	chr5:64970070-65041874	1.6679	1.8382	0.1402	0.334769
<i>Cenpc1</i>	chr5:86012042-86065583	16.0486	16.7834	0.0646	0.514542
<i>Atp6v0a2</i>	chr5:124629066-124722144	34.9974	33.1055	-0.0802	0.199422
<i>Baz1b</i>	chr5:135187263-135246129	34.8939	33.0184	-0.0797	0.203880
<i>Gm16120</i>	chr5:140207384-140210751	1.1733	0.9082	-0.3694	0.234746
<i>Zfp316</i>	chr5:143249696-143270022	0.9612	0.8535	-0.1715	0.315172
<i>Trbv30</i>	chr6:41281375-41281990	8.5529	10.5190	0.2985	0.626928
<i>Zfyve20</i>	chr6:92186711-92214925	8.4038	7.7965	-0.1082	0.281858
<i>2310001H17Rik</i>	chr6:129208411-129237982	5.7461	5.2230	-0.1377	0.424092
<i>Far2</i>	chr6:148047258-148182758	5.6404	5.9814	0.0847	0.521151
<i>Nomo1</i>	chr7:46033697-46084212	12.8617	12.0552	-0.0934	0.296856
<i>Fanci</i>	chr7:79391928-79450265	5.8140	5.3177	-0.1287	0.426370
<i>Stard5</i>	chr7:83631958-83653127	74.8472	71.0933	-0.0742	0.121619
<i>Tm2d2</i>	chr8:25017210-25023259	13.4907	14.3741	0.0915	0.471618
<i>Frg1</i>	chr8:41397456-41417118	64.2689	68.3135	0.0880	0.564954
<i>Msmo1</i>	chr8:64718138-64733792	7.3481	6.7509	-0.1223	0.395963
<i>Cfap20</i>	chr8:95420251-95434869	15.0385	15.8833	0.0788	0.364291
<i>Gm26786</i>	chr8:106237902-106425728	2.7367	2.5217	-0.1180	0.189244
<i>Cmc2</i>	chr8:116888684-116921455	3.8838	3.4941	-0.1526	0.119544
<i>Hinfp</i>	chr9:44295672-44305671	14.7703	13.8032	-0.0977	0.150984
<i>Pgm3</i>	chr9:86552475-86571842	10.1447	10.5300	0.0538	0.409821
<i>Gm26882</i>	chr9:90094177-90095902	5.4436	4.8632	-0.1627	0.349087
<i>Timm17b</i>	chrX:7899356-7908351	7.4537	8.0999	0.1200	0.568997
<i>Jade3</i>	chrX:20425687-20519939	5.4744	5.0969	-0.1031	0.156830
<i>Phf6</i>	chrX:52912265-52956943	13.7707	14.2337	0.0477	0.457949
<i>Gm14681</i>	chrX:66778441-66778852	18.2043	15.9611	-0.1897	0.404112
<i>Hnrmp2</i>	chrX:134601178-134607060	14.5917	15.2326	0.0620	0.507315
<i>Gm16006</i>	chr15:57708113-57708927	2.7405	3.2852	0.2616	0.418684
<i>Rps6-ps1</i>	chr15:76337615-76338365	1.4873	1.8608	0.3233	0.411780
<i>Tnfrsf13c</i>	chr15:82221743-82224339	1.5435	1.8041	0.2251	0.513961
<i>Trabd</i>	chr15:89075123-89087077	14.2836	13.3272	-0.1000	0.346856
<i>A130051J06Rik</i>	chr15:95787855-95791642	2.3507	2.6357	0.1651	0.488973
<i>Csad</i>	chr15:102176997-102189043	3.9802	3.5510	-0.1646	0.342792
<i>Dnah1</i>	chr14:31260374-31323896	0.1336	0.1567	0.2303	0.166522
<i>Ebpl</i>	chr14:61339762-61360445	5.1045	5.5276	0.1149	0.456674
<i>Gm15629</i>	chr14:75197072-75199271	23.8856	20.6895	-0.2072	0.489889
<i>Nufip1</i>	chr14:76110890-76137379	11.2208	11.6641	0.0559	0.444339
<i>Rbm26</i>	chr14:105106750-105177327	21.0397	21.7776	0.0497	0.556824
<i>Neurl1b</i>	chr17:26414828-26446349	0.1627	0.2080	0.3538	0.488099
<i>H2-K2</i>	chr17:33974785-33978788	30.7378	32.1496	0.0648	0.452752
<i>Vapa</i>	chr17:65580055-65613555	65.9954	69.0422	0.0651	0.526788
<i>Rhoq</i>	chr17:86963081-87000069	6.6146	7.0547	0.0929	0.590717
<i>Vps8</i>	chr16:21423117-21644680	5.5696	5.2058	-0.0974	0.249666
<i>Pcyt1a</i>	chr16:32430920-32475070	2.8699	2.6386	-0.1213	0.199489
<i>Mina</i>	chr16:59471774-59492461	18.2289	18.8027	0.0447	0.362665

Gm21970	chr16:91391720-91419451	61.8160	63.9571	0.0491	0.413385
Ostf1	chr19:18579327-18631789	48.3078	49.8582	0.0456	0.490982
NA	chr19:45578276-45579763	17.0923	15.5532	-0.1361	0.173330
ldh1	chr1:65158615-65186479	4.3016	3.8570	-0.1574	0.367837
Njfk	chr1:118321838-118333822	46.4150	48.4976	0.0633	0.520244
Mir1893	chr18:6490563-6490646	71.4473	62.6906	-0.1886	0.329520
Mcm10	chr2:4989713-5012791	0.7720	0.8796	0.1882	0.590666
Gm26315	chr2:7076093-7076414	5.0705	3.9784	-0.3500	0.366379
Thns1	chr2:21205723-21215009	3.3831	3.0477	-0.1506	0.326906
Pdss1	chr2:22895521-22940266	5.0589	5.3384	0.0776	0.511324
Gm26702	chr2:25575430-25580099	0.2305	0.1754	-0.3941	0.259132
Med27	chr2:29346818-29524793	6.0679	6.3690	0.0699	0.328476
Gm13572	chr2:60037140-60038837	2.1342	1.6193	-0.3983	0.378072
Dlx1as	chr2:71516453-71537891	0.6041	0.4589	-0.3964	0.278476
Gm13786	chr2:92233104-92233437	6.6486	5.4065	-0.2984	0.436627
Ctdspl2	chr2:121956000-122013642	10.4902	10.8589	0.0498	0.483642
Rnf24	chr2:131298063-131352892	3.5865	3.7947	0.0814	0.482179
Gm14420	chr2:177464732-177478129	1.4454	1.2024	-0.2656	0.435505
Tnfsf10	chr3:27317027-27342427	11.5240	12.1469	0.0759	0.600539
Gpatch4	chr3:88043107-88055993	22.6921	24.3616	0.1024	0.576787
Sf3b4	chr3:96172331-96177564	3.8745	4.2447	0.1317	0.509290
Syt6	chr3:103575230-103645567	0.6358	0.7469	0.2322	0.557998
201001618Rik	chr3:106482012-106483437	92.0692	86.3728	-0.0921	0.332610
Zcchc17	chr4:130315382-130359943	9.4657	10.0167	0.0816	0.550987
2700016F22Rik	chr4:139376548-139380379	7.3208	6.8227	-0.1017	0.140235
Pbx4	chr8:69832623-69873163	1.3067	1.4582	0.1583	0.364806
Zbtb4	chr11:69765911-69784023	15.7652	16.2263	0.0416	0.493374
Top2a	chr11:98992942-99024189	13.4253	15.8085	0.2357	0.517718
Slc38a10	chr11:120103959-120151346	20.2409	19.0941	-0.0842	0.269372
Chrm3	chr13:9877228-9878998	0.4695	0.5878	0.3243	0.324559
Mapre3	chr5:30814640-30866106	0.8068	0.6883	-0.2293	0.111811
Khk	chr5:30921555-30931246	4.4958	4.9170	0.1292	0.473713
Tmem129	chr5:33653215-33657977	9.5247	8.8480	-0.1063	0.233798
Pigg	chr5:108312608-108349355	3.9527	3.5889	-0.1393	0.380029
Fbxo46	chr7:19119858-19138261	11.9574	10.9498	-0.1270	0.423829
Wdr73	chr7:80890722-80901269	10.6741	11.1019	0.0567	0.459899
D230025D16Rik	chr8:105225144-105253053	7.8994	7.3371	-0.1065	0.326576
Rps28	chr17:33819026-33824562	81.8777	95.2118	0.2177	0.450710
Ring1	chr17:34020791-34024680	7.9802	7.2981	-0.1289	0.359684
Nelfe	chr17:34850390-34856372	7.1397	7.6648	0.1024	0.555479
0610012G03Rik	chr16:31948023-31948448	18.2042	16.0415	-0.1825	0.406154
Gm8250	chr19:18581454-18582228	2.7103	2.2097	-0.2946	0.343490
4930500M09Rik	chr1:170214859-170215556	5.8919	4.9539	-0.2502	0.472184
8030462N17Rik	chr18:77633280-77714010	17.3054	16.3107	-0.0854	0.076647
Plk4	chr3:40800018-40816883	3.9856	4.1948	0.0738	0.501394
Gm17641	chr3:68867916-68870266	0.4220	0.3220	-0.3904	0.307412
Gm18588	chr3:68902266-68902758	3.4335	4.1353	0.2683	0.370049
Nsmaf	chr4:6396206-6454271	24.8327	25.6494	0.0467	0.573002
Abca2	chr2:25428702-25448540	19.0126	17.3870	-0.1289	0.489623
Gm26287	chr1:59704257-59704338	22.3023	18.1012	-0.3011	0.343318
Specc1	chr11:61956778-62223013	0.0565	0.0730	0.3706	0.426407
2700049A03Rik	chr12:71136847-71243303	7.5710	7.9711	0.0743	0.565235
Pou2af1	chr9:51213689-51240079	7.5281	7.9659	0.0816	0.501484
Prps1	chrX:140456612-140476140	21.9874	20.5697	-0.0962	0.178778
Oxr1	chr15:41447481-41861048	20.1410	20.8513	0.0500	0.475975
Loxl4	chr19:42593981-42612813	0.5493	0.4557	-0.2694	0.252789
Gm24411	chr2:158356423-158356554	7.1622	5.1694	-0.4704	0.434864
Tifa	chr3:127789871-127832135	0.2580	0.3399	0.3976	0.419379
Rnf168	chr16:32277458-32301434	14.1367	13.2834	-0.0898	0.169824
Gm20636	chr5:112374368-112377639	1.6898	2.1242	0.3301	0.391936
Tfe3	chrX:7762559-7775202	2.2202	2.3443	0.0785	0.445180
Ipo5	chr14:120911193-120948042	31.4486	32.3259	0.0397	0.445175
Psmc3	chr2:91054008-91066369	53.9922	56.1583	0.0567	0.541672
Fktn	chr4:53713997-53765785	2.8723	3.0358	0.0799	0.473975
Mrs2	chr13:24992482-25020379	15.9425	14.8708	-0.1004	0.218879
Smim19	chr8:22462614-22476879	9.8637	10.4936	0.0893	0.421947
Ankrd13c	chr3:157947413-158006833	19.2880	17.8391	-0.1127	0.370621
Lmnb2	chr10:80901202-80918245	6.4653	6.8636	0.0863	0.555198
Dcaf10	chr4:45342100-45379759	6.8652	6.4118	-0.0986	0.304729
Gm15697	chr6:38542302-38546074	0.5646	0.6799	0.2681	0.458976
Cd163	chr6:124304650-124330527	0.1757	0.2208	0.3295	0.110436

<i>Mtdh</i>	chr15:34082693-34142386	16.7485	17.2854	0.0455	0.538242
<i>Ppp1r12b</i>	chr1:134754657-134955942	2.5832	2.4130	-0.0983	0.233315
<i>Agbl3</i>	chr6:34780431-34859459	0.7780	0.8364	0.1045	0.253145
<i>Scmh1</i>	chr4:120405280-120530186	1.0749	1.1891	0.1458	0.538556
<i>Mettl7a1</i>	chr15:100304816-100314348	2.0339	1.7318	-0.2320	0.389405
<i>1110004F10Rik</i>	chr7:116093300-116105210	32.5155	34.0511	0.0666	0.502636
<i>Abi3</i>	chr11:95830073-95842476	8.9822	8.3859	-0.0991	0.249891
<i>Jmjd4</i>	chr11:59450044-59458567	7.0713	6.6718	-0.0839	0.058363
<i>Rpl38</i>	chr11:114668523-114672331	13.5055	11.7750	-0.1978	0.454782
<i>Gm10011</i>	chr6:149147518-149147865	1.8227	2.3899	0.3908	0.362432
<i>Fbxo9</i>	chr9:78081498-78109065	16.4700	15.4948	-0.0881	0.152498
<i>Flna</i>	chrX:74223460-74249820	215.5216	205.2186	-0.0707	0.185068
<i>Ica1l</i>	chr1:59989069-60043087	1.0889	1.2466	0.1951	0.542203
<i>Nr3c1</i>	chr18:39410544-39491301	33.6652	34.4630	0.0338	0.444521
<i>Cntrl</i>	chr2:35109491-35178822	60.9734	62.4040	0.0335	0.519274
<i>Gm10804</i>	chr2:93452818-93469871	1.7006	1.5077	-0.1737	0.180428
<i>Chd6</i>	chr2:160946977-161109075	13.6430	14.1156	0.0491	0.576196
<i>Gm12036</i>	chr11:20729419-20729949	5.8626	4.9642	-0.2400	0.305484
<i>Tubd1</i>	chr11:86544990-86567360	6.9151	6.3838	-0.1153	0.015756
<i>Ijfi35</i>	chr11:101448406-101458698	52.2969	54.2293	0.0523	0.528550
<i>Msh3</i>	chr13:92211880-92355003	20.8088	21.5612	0.0512	0.512712
<i>Gbx1</i>	chr5:24502756-24527276	0.2915	0.3671	0.3326	0.474218
<i>Cnot3</i>	chr7:3645289-3661108	11.4131	11.9090	0.0614	0.513994
<i>Gltscr2</i>	chr7:15937837-15946108	207.5825	218.2079	0.0720	0.596135
<i>B230317F23Rik</i>	chr8:60983436-60985908	1.4930	1.6728	0.1641	0.395771
<i>1700048O20Rik</i>	chr9:121938134-121947014	1.1107	0.8493	-0.3871	0.518533
<i>4930480K23Rik</i>	chr14:69732783-69767113	2.3228	2.5022	0.1073	0.427627
<i>Wfikkn1</i>	chr17:25877629-25880305	1.9103	1.6497	-0.2116	0.274231
<i>Vps51</i>	chr19:6067841-6080324	12.4918	11.7125	-0.0929	0.239020
<i>Tor1aip1</i>	chr1:156004598-156036480	12.3892	12.9734	0.0665	0.601250
<i>Lamb3</i>	chr1:193301956-193343878	0.8665	0.9626	0.1518	0.360596
<i>Rel2</i>	chr18:37955078-37959179	5.3934	4.8773	-0.1451	0.433599
<i>Samd10</i>	chr2:181595217-181599212	5.5026	5.0234	-0.1315	0.265321
<i>Sycp3</i>	chr10:88459568-88473236	0.6606	0.8249	0.3205	0.340186
<i>Drg1</i>	chr11:3187359-3266415	25.7461	24.2084	-0.0888	0.230133
<i>Dhrs13os</i>	chr11:78030011-78032665	1.8925	2.1034	0.1525	0.374796
<i>4833417C18Rik</i>	chr11:95858864-95861044	2.4770	2.1171	-0.2265	0.311097
<i>Tmc8</i>	chr11:117782075-117793110	28.2818	26.3231	-0.1035	0.401568
<i>Gdap10</i>	chr12:32821871-32826904	5.3319	5.7354	0.1052	0.609930
<i>Mtx3</i>	chr13:92844786-92858230	9.4755	8.9013	-0.0902	0.258455
<i>Mterf1b</i>	chr5:4192366-4197651	2.6022	2.9233	0.1679	0.359676
<i>Gm15559</i>	chr5:110770948-110779260	3.5041	3.1479	-0.1546	0.246802
<i>M6pr</i>	chr6:122308719-122317680	52.1419	53.6064	0.0400	0.458469
<i>Zfp628</i>	chr7:4915216-4922003	2.8489	3.1685	0.1534	0.577067
<i>Capns1</i>	chr7:30186941-30195164	48.0248	50.2011	0.0639	0.566002
<i>Grin2d</i>	chr7:45831882-45870928	0.1185	0.1503	0.3426	0.126826
<i>Rbbp6</i>	chr7:122965685-123002557	24.4318	25.4444	0.0586	0.590317
<i>Eif4ebp1</i>	chr8:27260326-27275656	5.0781	4.4343	-0.1956	0.325418
<i>Nfatc3</i>	chr8:106059602-106130537	44.2037	45.5432	0.0431	0.572039
<i>Lman1l</i>	chr9:57607084-57620774	1.0178	0.8228	-0.3068	0.284051
<i>9930014A18Rik</i>	chr15:60822964-60831793	1.7229	1.8538	0.1057	0.480506
<i>Arid2</i>	chr15:96287517-96404992	14.9159	15.3942	0.0455	0.558000
<i>Snord69</i>	chr14:31014286-31014366	17.3935	23.0093	0.4037	0.637362
<i>Traj52</i>	chr14:54165315-54165381	13.8881	10.2303	-0.4410	0.432545
<i>Kctd5</i>	chr17:24047733-24073485	11.1192	10.4055	-0.0957	0.088793
<i>Njya</i>	chr17:48386884-48409906	7.0170	6.5410	-0.1013	0.332338
<i>Cmss1</i>	chr16:57302198-57606825	5.8191	6.3216	0.1195	0.190993
<i>Map3k11</i>	chr19:5689130-5702862	18.1319	16.7841	-0.1114	0.394957
<i>1500017E21Rik</i>	chr19:36614051-36705641	0.8165	0.6957	-0.2309	0.271190
<i>Lzts2</i>	chr19:45015175-45027104	0.9179	1.0716	0.2234	0.475237
<i>A630001G21Rik</i>	chr1:85717082-85778643	17.0583	17.9692	0.0751	0.601047
<i>Nek7</i>	chr1:138484713-138619696	32.5245	33.7939	0.0552	0.563056
<i>1700019L03Rik</i>	chr2:32777380-32784428	0.5689	0.7478	0.3945	0.489187
<i>Gm14027</i>	chr2:129016951-129021756	6.4831	7.4654	0.2035	0.524222
<i>Lbp</i>	chr2:158306492-158332852	0.2497	0.1841	-0.4395	0.480710
<i>Lrig2</i>	chr3:104453983-104511856	10.1295	9.4046	-0.1071	0.395231
<i>Camta1</i>	chr4:150917321-151861876	0.8072	0.7361	-0.1330	0.119300
<i>Syne1</i>	chr10:5336948-5550692	0.1833	0.2271	0.3095	0.513849
<i>Polr2e</i>	chr10:80035948-80039795	18.8080	20.0568	0.0927	0.600798
<i>Cand1</i>	chr10:119199254-119240055	24.6074	23.4373	-0.0703	0.120790
<i>Mtfp1</i>	chr11:4091479-4095445	1.4051	1.6106	0.1969	0.388368

<i>Cep68</i>	chr11:20227036-20249429	19.9041	18.8248	-0.0804	0.220338
<i>1700020L24Rik</i>	chr11:83437685-83441232	1.5745	1.8728	0.2503	0.307370
<i>Adam6b</i>	chr12:113489544-113492018	1.9790	1.6691	-0.2457	0.493471
<i>Slc30a9</i>	chr5:67306954-67358565	13.3798	12.5229	-0.0955	0.361815
<i>Ppat</i>	chr5:76913248-76951578	21.0508	21.9862	0.0627	0.536482
<i>Rny1</i>	chr6:47788068-47788180	24.6936	16.0345	-0.6230	0.442528
<i>Fbxo27</i>	chr7:28692848-28699338	0.3502	0.4409	0.3324	0.494173
<i>Ryr1</i>	chr7:29003339-29125151	0.0593	0.0421	-0.4938	0.480535
<i>Spn</i>	chr7:127132231-127137823	220.0407	226.0136	0.0386	0.579778
<i>Gm26664</i>	chr8:84665127-84669406	2.3614	1.8370	-0.3623	0.450450
<i>Cyb5r4</i>	chr9:87022013-87077774	10.0288	10.3336	0.0432	0.304265
<i>Azi2</i>	chr9:118040498-118069794	22.0877	20.7467	-0.0904	0.301620
<i>Frmf7</i>	chrX:50895179-50942710	0.4166	0.5214	0.3237	0.224506
<i>Htatsf1</i>	chrX:57053582-57067183	18.0668	16.8380	-0.1016	0.314716
<i>Lrrc6</i>	chr15:66379857-66500910	0.7557	0.9122	0.2715	0.504818
<i>Mfsd3</i>	chr15:76701541-76704239	3.5549	3.1771	-0.1621	0.339830
<i>Kctd17</i>	chr15:78428563-78438909	0.5245	0.6613	0.3344	0.486798
<i>Hdac7</i>	chr15:97792663-97844502	26.6970	24.6550	-0.1148	0.468296
<i>Larp4</i>	chr15:99970073-100016351	16.3851	16.9100	0.0455	0.432110
<i>Dcaf11</i>	chr14:55560005-55570065	12.0505	11.4045	-0.0795	0.150161
<i>Psme2</i>	chr14:55587440-55591113	42.4543	38.7925	-0.1301	0.455279
<i>Socs1</i>	chr16:10783807-10785536	31.6552	28.8039	-0.1362	0.486220
<i>Yeats2</i>	chr16:20141062-20232573	18.7951	17.8683	-0.0729	0.114679
<i>Adrbk1</i>	chr19:4286000-4306222	111.5664	106.1344	-0.0720	0.199596
<i>Ankrd23</i>	chr1:36530533-36535729	8.3981	7.7089	-0.1235	0.250357
<i>Eij4e2</i>	chr1:87213913-87240488	15.5557	16.1354	0.0528	0.501138
<i>Vangl2</i>	chr1:17200959-172028444	0.3010	0.2485	-0.2764	0.332704
<i>Lcmt2</i>	chr2:121128306-121140698	5.2972	5.5839	0.0760	0.467797
<i>mt-Cytb</i>	chrM:14144-15288	434.5630	467.1369	0.1043	0.648475
<i>Zbtb8os</i>	chr4:129335694-129354547	4.0215	4.2685	0.0860	0.490940
<i>Tmem200b</i>	chr4:131921770-131923140	0.4527	0.5910	0.3846	0.245827
<i>Tmem57</i>	chr4:134802758-134853345	11.5967	12.0225	0.0520	0.505958
<i>Gm10563</i>	chr4:155614412-155645408	4.8371	5.9931	0.3092	0.401708
<i>Phc1</i>	chr6:122317730-122340561	2.5019	2.6808	0.0996	0.473276
<i>Gpr1</i>	chr1:63182690-63214543	0.4483	0.5712	0.3493	0.521891
<i>Dnajb14</i>	chr3:137867674-137916557	1.3419	1.4365	0.0983	0.523469
<i>Icosl</i>	chr10:78069359-78079525	4.0644	3.5706	-0.1869	0.512264
<i>Fsd2</i>	chr7:81533307-81566944	2.3104	1.9344	-0.2563	0.531209
<i>Sertad1</i>	chr7:27486909-27490316	17.1642	15.8739	-0.1127	0.272986
<i>Zfp414</i>	chr17:33629089-33631779	8.5748	9.0862	0.0836	0.471542
<i>Ppp1r2</i>	chr16:31251536-31275277	3.6793	3.4038	-0.1123	0.079014
<i>Notch1</i>	chr2:26457902-26516663	18.3055	16.7457	-0.1285	0.511534
<i>Gm13610</i>	chr2:32232781-32236382	11.0165	9.5875	-0.2004	0.507186
<i>Plcb4</i>	chr2:135659010-136014593	0.5335	0.5845	0.1319	0.238194
<i>2010001A14Rik</i>	chr11:57795498-57801417	3.2643	2.6493	-0.3012	0.438495
<i>Smarce1</i>	chr11:99209046-99231017	9.7221	10.1856	0.0672	0.542355
<i>Cipc</i>	chr12:86947342-86965362	14.5127	15.1987	0.0666	0.600465
<i>Eid2</i>	chr7:28267880-28269165	2.1761	2.4630	0.1786	0.353872
<i>Gm22133</i>	chr7:45458088-45458197	363.4845	420.1839	0.2091	0.486094
<i>Gm6341</i>	chr7:101154644-101155055	2.3077	2.8597	0.3094	0.399237
<i>Gm4759</i>	chr7:106421549-106441073	108.5767	114.5896	0.0778	0.639596
<i>Pkp3</i>	chr7:141078217-141090510	14.1118	12.9639	-0.1224	0.450451
<i>Ccdc166</i>	chr15:75979871-75982455	7.8028	8.2153	0.0743	0.451397
<i>Tonsl</i>	chr15:76626001-76639958	4.7779	4.4619	-0.0987	0.095162
<i>Dzip3</i>	chr16:48924231-48994165	5.3986	5.0410	-0.0989	0.293993
<i>Cnnm3</i>	chr1:36511866-36528237	5.8961	5.4113	-0.1238	0.428079
<i>Fam132b</i>	chr1:91366429-91374216	2.1585	1.9011	-0.1832	0.384704
<i>Ppp1r15b</i>	chr1:133131142-133139783	48.3642	45.3344	-0.0933	0.381403
<i>Pink1</i>	chr4:138313408-138326307	40.2356	34.4224	-0.2251	0.447665
<i>Gtf3c6</i>	chr10:40249202-40257665	20.8696	22.7429	0.1240	0.602114
<i>Gm26541</i>	chr10:80681837-80687176	56.8169	53.4561	-0.0880	0.285514
<i>Ric8b</i>	chr10:84917615-85016446	17.6224	16.5085	-0.0942	0.240343
<i>1810014B01Rik</i>	chr10:86685600-86694806	42.0086	38.7465	-0.1166	0.410037
<i>Fancl</i>	chr11:26386134-26471876	8.2387	7.5916	-0.1180	0.338112
<i>Cpeb4</i>	chr11:31872210-31935634	7.5038	7.0327	-0.0935	0.271692
<i>Clk4</i>	chr11:51261729-51281766	44.0252	41.4692	-0.0863	0.311336
<i>Gm12248</i>	chr11:58063827-58072937	1.4026	1.7027	0.2797	0.429096
<i>Gm11192</i>	chr11:78278737-78279066	29.8076	25.7699	-0.2100	0.366379
<i>Fn3k</i>	chr11:121434912-121450491	0.1454	0.2005	0.4635	0.499440
<i>Mnat1</i>	chr12:73123716-73273988	9.5407	10.0708	0.0780	0.492138
<i>Gm24853</i>	chr12:81501239-81501360	26.3781	22.4489	-0.2327	0.329031

<i>Ppp2r5c</i>	chr12:110485738-110583061	68.8715	71.2071	0.0481	0.507729
<i>Abcb8</i>	chr5:24393662-24410054	5.4693	5.0557	-0.1134	0.355979
<i>Gpc2</i>	chr5:138264951-138280005	1.0330	0.9304	-0.1510	0.277975
<i>Mtpn</i>	chr6:35508905-35539888	58.9495	55.5489	-0.0857	0.269231
<i>Gm20426</i>	chr6:90231727-90232788	5.3270	6.1557	0.2086	0.456076
<i>Fbxl14</i>	chr6:119479667-119483886	40.3322	38.1863	-0.0789	0.199282
<i>Atf5</i>	chr7:44812256-44816658	2.3702	2.0975	-0.1763	0.144223
<i>Pgpep1l</i>	chr7:68236607-68264233	3.3722	2.9221	-0.2067	0.230656
<i>Lipt2</i>	chr7:100159276-100161365	1.9100	2.1333	0.1595	0.311539
<i>Sh2b1</i>	chr7:126466993-126475130	17.2362	16.1046	-0.0980	0.354822
<i>Zranb1</i>	chr7:132931141-132986391	18.9199	19.4061	0.0366	0.327724
<i>Osbpl5</i>	chr7:143688761-143756985	14.2946	13.1649	-0.1188	0.463408
<i>Naf1</i>	chr8:66860216-66890564	1.9328	1.6997	-0.1854	0.390548
<i>Tcta</i>	chr9:108302958-108305951	11.4680	10.4427	-0.1351	0.403940
<i>Traj14</i>	chr14:54205110-54205143	269.2234	292.5495	0.1199	0.459040
<i>Gm25128</i>	chr17:35247174-35247250	14.6164	18.1400	0.3116	0.368237
<i>Cwf19l1</i>	chr19:44108643-44135876	8.2646	8.6948	0.0732	0.538154
<i>Asnsd1</i>	chr1:53325506-53352752	16.5404	17.1586	0.0529	0.508832
<i>Fam126b</i>	chr1:58522805-58586323	7.3800	6.8304	-0.1117	0.416974
<i>Ipo9</i>	chr1:135382311-135430499	12.9615	12.2854	-0.0773	0.185170
<i>Axdnd1</i>	chr1:156323508-156421159	0.1816	0.1412	-0.3635	0.181086
<i>Eprs</i>	chr1:185363094-185428355	60.9047	63.1367	0.0519	0.541501
<i>Sspata25</i>	chr2:164826388-164828537	1.5421	1.2762	-0.2731	0.263460
<i>Nudt6</i>	chr3:37404909-37420211	8.7417	9.2179	0.0765	0.266220
<i>Rxfp4</i>	chr3:88651897-88653142	0.6926	0.8669	0.3238	0.283151
<i>Mtx1</i>	chr3:89209080-89227088	11.9129	12.4554	0.0643	0.540138
<i>Gm12529</i>	chr4:59532746-59533014	10.0473	11.7157	0.2216	0.497489
<i>Gm12932</i>	chr4:125082856-125084947	3.8470	3.2205	-0.2565	0.290888
<i>Id3</i>	chr4:136143496-136145755	25.6131	23.0860	-0.1499	0.485680
<i>Gm20707</i>	chr4:147782318-147809840	5.6631	6.0578	0.0972	0.538136
<i>3110083C13Rik</i>	chr14:57999322-58003695	0.9607	0.7114	-0.4334	0.354110
<i>Gm25945</i>	chr3:88707157-88707292	6.6636	4.6666	-0.5139	0.507837
<i>Gm13899</i>	chr6:17711686-17712941	0.5145	0.6901	0.4235	0.519177
<i>Rnf41</i>	chr10:128411615-128441438	11.1054	10.4863	-0.0828	0.072806
<i>Akr1e1</i>	chr13:4590756-4609174	1.0735	0.8834	-0.2812	0.531307
<i>Mccc2</i>	chr13:99948532-100015639	7.1530	7.5299	0.0741	0.362412
<i>Kmt2c</i>	chr5:25271797-25498783	19.6533	20.7759	0.0801	0.655933
<i>Zfp78</i>	chr7:6371363-6379491	2.8108	3.0939	0.1384	0.279751
<i>Ddx19b</i>	chr8:111003187-111031751	10.1629	9.5299	-0.0928	0.299701
<i>Plscr1</i>	chr9:92250056-92271975	1.0829	1.2666	0.2260	0.414868
<i>Tubgcp6</i>	chr15:89098356-89123087	14.2888	13.5590	-0.0756	0.150079
<i>Mrps18b</i>	chr17:35910378-35916389	9.7942	10.2580	0.0667	0.339481
<i>Spdya</i>	chr17:71552060-71589533	1.6480	1.4314	-0.2032	0.149306
<i>Ubald1</i>	chr16:4874777-4880315	11.1695	11.6436	0.0600	0.572975
<i>Dpcd</i>	chr19:45560614-45578279	21.4994	19.8920	-0.1121	0.322438
<i>A430106G13Rik</i>	chr1:137966530-137969918	0.4643	0.3789	-0.2933	0.167242
<i>Gm10036</i>	chr18:15832793-15833330	5.3955	6.2224	0.2057	0.474368
<i>Gtf3c5</i>	chr2:28566310-28583751	3.2197	3.4324	0.0923	0.497580
<i>Topors</i>	chr4:40259600-40269850	27.5625	28.4094	0.0437	0.468100
<i>Txn1</i>	chr4:57943372-57956411	48.3485	44.5304	-0.1187	0.404105
<i>Szt2</i>	chr4:118362742-118409273	7.9931	7.3223	-0.1265	0.494285
<i>Mapk9</i>	chr11:49846750-49886421	12.9568	13.3611	0.0443	0.528152
<i>Map3k1</i>	chr13:111746427-111808993	31.6088	32.6274	0.0458	0.594296
<i>Rmnd1</i>	chr10:4401914-4432388	6.7314	7.0042	0.0573	0.528876
<i>Aasdh</i>	chr5:76873658-76905514	6.0995	6.3008	0.0468	0.337713
<i>Fam212a</i>	chr9:107984226-107985879	2.4911	2.8433	0.1908	0.496462
<i>Nedd1</i>	chr10:92684745-92722420	13.0245	13.5090	0.0527	0.434843
<i>Gm12238</i>	chr11:55482705-55482829	12.8762	15.2531	0.2444	0.435303
<i>Dvl2</i>	chr11:7000594-70012301	14.2492	13.3602	-0.0929	0.288296
<i>Zfp207</i>	chr11:80383278-80405733	83.4605	85.3996	0.0331	0.488691
<i>Fbxo47</i>	chr11:97853825-97884154	0.9354	0.7822	-0.2582	0.190032
<i>Srrt</i>	chr5:137295703-137307674	61.0709	62.6592	0.0370	0.493950
<i>Adap1</i>	chr5:139271875-139325622	1.3987	1.6022	0.1960	0.576426
<i>Zfand2a</i>	chr5:139471210-139484549	6.6766	6.2150	-0.1034	0.150972
<i>Rpia</i>	chr6:70765719-70792232	7.8220	7.2929	-0.1011	0.314085
<i>Gm7363</i>	chr7:3983786-3984187	4.1020	4.7787	0.2203	0.301803
<i>Ccdc61</i>	chr7:18890882-18910415	7.3003	6.7033	-0.1231	0.275655
<i>Irgc1</i>	chr7:24431921-24435534	1.5449	1.2974	-0.2519	0.413946
<i>Axl</i>	chr7:25757272-25788705	0.6792	0.5844	-0.2169	0.336788
<i>Zfp60</i>	chr7:27731388-27753702	5.8968	5.5490	-0.0877	0.128591
<i>Spty2d1</i>	chr7:46990395-47008411	17.1514	16.3046	-0.0731	0.058155

<i>Inpp4b</i>	chr8:81342555-82125036	67.6311	69.7460	0.0444	0.574122
<i>Slc9a5</i>	chr8:105348257-105369881	0.3077	0.2435	-0.3377	0.402198
<i>Dcun1d5</i>	chr9:7184565-7207031	65.3954	61.0519	-0.0992	0.325265
<i>Foxred1</i>	chr9:35204205-35211055	14.1209	13.1842	-0.0990	0.297656
<i>Slc24a1</i>	chr9:64922860-64951607	0.1971	0.2434	0.3043	0.450074
<i>Alas1</i>	chr9:106233454-106248126	8.0807	8.4363	0.0621	0.509527
<i>Mmgt1</i>	chrX:56585511-56598069	8.1125	7.5049	-0.1123	0.351827
<i>Mrpl18</i>	chr17:12911348-12916345	30.7633	28.3610	-0.1173	0.404522
<i>Ctsw</i>	chr19:5465239-5468498	289.1775	299.7253	0.0517	0.636672
<i>Ptpn7</i>	chr1:135132724-135145320	43.3354	41.2650	-0.0706	0.053133
<i>Gm19705</i>	chr1:136670768-136690804	14.5382	15.3475	0.0781	0.544085
<i>Gm14086</i>	chr2:122427193-122427469	21.1826	17.8400	-0.2478	0.453537
<i>Gm20458</i>	chr2:164460966-164490760	12.0393	10.9556	-0.1361	0.401467
<i>Tmod4</i>	chr3:95124475-95129209	1.7212	1.4679	-0.2297	0.327872
<i>Setdb1</i>	chr3:95323524-95357202	17.3654	16.4321	-0.0797	0.234369
<i>Pdxdc1</i>	chr16:13833147-13903131	15.3142	15.6472	0.0310	0.381799
<i>Asf1b</i>	chr8:83955506-83970197	4.4813	4.7879	0.0955	0.460977
<i>Gm26916</i>	chr14:61629483-61630414	5.9506	6.8810	0.2096	0.441954
<i>Wdr77</i>	chr3:105959368-105984600	15.8247	14.8199	-0.0946	0.372697
<i>Map3k7</i>	chr4:31964096-32023467	18.2024	17.2636	-0.0764	0.132047
<i>Gm26640</i>	chr6:72953235-72957249	4.9717	5.8652	0.2384	0.532995
<i>Traj34</i>	chr14:54184698-54184756	45.9521	52.6828	0.1972	0.507754
<i>Z200002D01Rik</i>	chr7:29246560-29248432	4.4462	4.8846	0.1357	0.496777
<i>Nipa2</i>	chr7:55931286-55962476	10.4369	9.8004	-0.0908	0.271841
<i>Has3</i>	chr8:106870241-106884566	6.7862	6.3835	-0.0883	0.171522
<i>Fads1</i>	chr19:10182887-10196870	5.4713	5.0890	-0.1045	0.060952
<i>Rps3a3</i>	chr13:108670579-108671440	1.0934	1.3546	0.3091	0.385326
<i>Themis</i>	chr10:28668359-28883818	55.4267	57.8224	0.0610	0.574169
<i>Ascc1</i>	chr10:60002804-60099990	18.6235	17.1913	-0.1154	0.347481
<i>Atp5b</i>	chr10:128083272-128090391	184.6666	174.7754	-0.0794	0.230206
<i>Pigs</i>	chr11:78328414-78342782	13.6380	12.7075	-0.1019	0.300879
<i>Ddx52</i>	chr11:83942061-83963088	35.1866	36.5782	0.0560	0.560735
<i>Stxbp4</i>	chr11:90476491-90638084	0.5735	0.5057	-0.1815	0.418153
<i>Nsf</i>	chr11:103821781-103954056	12.2526	11.6412	-0.0738	0.080799
<i>Nploc4</i>	chr11:120380369-120437708	14.0393	13.2833	-0.0799	0.181006
<i>Nop16</i>	chr13:54584184-54590090	12.4628	11.5633	-0.1081	0.250893
<i>Depdc1b</i>	chr13:108316331-108407782	5.0495	4.6351	-0.1235	0.320850
<i>Pde6b</i>	chr5:108388390-108432397	1.7335	1.5545	-0.1572	0.358591
<i>Itpkc</i>	chr7:27207171-27228628	4.2842	3.9286	-0.1250	0.340602
<i>Ankrd42</i>	chr7:92581722-92637142	0.2478	0.1935	-0.3568	0.310272
<i>Nup98</i>	chr7:102134203-102210120	29.8655	30.6504	0.0374	0.509366
<i>Plekha7</i>	chr7:116123492-116308376	0.6515	0.5713	-0.1896	0.501591
<i>Cfap97</i>	chr8:46151770-46195590	12.0300	12.4823	0.0532	0.503206
<i>Tssk6</i>	chr8:69902183-69903516	4.0262	3.4429	-0.2258	0.491604
<i>Map1s</i>	chr8:70905973-70917526	11.6861	10.6647	-0.1319	0.495955
<i>Babam1</i>	chr8:71396854-71404772	36.7066	34.1680	-0.1034	0.356338
<i>Gpr114</i>	chr8:94923693-94943290	71.3399	67.2061	-0.0861	0.301997
<i>Ctsh</i>	chr9:90054151-90076089	0.1961	0.2534	0.3703	0.439909
<i>Faim</i>	chr9:98986372-99002018	24.6318	26.0224	0.0792	0.527675
<i>Ftsj1</i>	chrX:8238667-8252406	2.5357	2.7009	0.0910	0.446238
<i>Firre</i>	chrX:50555743-50635321	1.0002	0.7898	-0.3408	0.336374
<i>Zcchc18</i>	chrX:136993154-136998472	1.8251	2.0299	0.1534	0.609259
<i>Alg13</i>	chrX:144317811-144374450	1.7415	1.8555	0.0915	0.363969
<i>Tmem106c</i>	chr15:97964228-97970286	5.4046	5.8303	0.1094	0.462345
<i>9330020H09Rik</i>	chr15:98567323-98569583	6.0121	5.4460	-0.1427	0.398466
<i>Oxsm</i>	chr14:16238655-16249808	6.7579	7.0240	0.0557	0.322181
<i>Zmym5</i>	chr14:56790584-56811716	14.0298	13.2029	-0.0876	0.274308
<i>Gnrh1</i>	chr14:67745228-67749435	3.7934	3.1682	-0.2598	0.255155
<i>AI413582</i>	chr17:27563574-27565749	22.2859	20.7275	-0.1046	0.262472
<i>Tjap1</i>	chr17:46257850-46283026	5.2790	4.7559	-0.1505	0.427706
<i>Map6d1</i>	chr16:20233309-20241358	1.0606	0.8939	-0.2466	0.474762
<i>Pdcd4</i>	chr19:53892230-53929861	198.7169	186.8032	-0.0892	0.334433
<i>Chpf</i>	chr1:75474568-75479471	8.8954	8.1556	-0.1253	0.458616
<i>Tmcc2</i>	chr1:132356314-132391281	0.2170	0.2676	0.3022	0.438887
<i>Cyb5r1</i>	chr1:134405780-134411740	5.1463	4.7956	-0.1018	0.131341
<i>Pdk1</i>	chr2:71873223-71903858	66.1964	61.9665	-0.0953	0.365020
<i>Sp3</i>	chr2:72936426-72980446	100.2502	103.4778	0.0457	0.527974
<i>Ssrp1</i>	chr2:85037233-85047109	67.7117	69.4743	0.0371	0.498880
<i>Arhgap1</i>	chr2:91649859-91672326	36.1906	37.2380	0.0412	0.543470
<i>Rad51</i>	chr2:119112792-119147445	1.7380	1.8498	0.0900	0.467618
<i>Gm25878</i>	chr2:167063472-167063565	23.6992	19.9014	-0.2520	0.215808

<i>Gm12630</i>	chr4:86817793-86818577	1.7961	2.1548	0.2627	0.467051
<i>Gm17354</i>	chr4:108633842-108637441	5.9686	5.5161	-0.1137	0.228878
<i>Cep170</i>	chr1:176733652-176807124	7.4557	7.8772	0.0793	0.573564
<i>Rhof</i>	chr5:123103043-123132692	21.3269	20.0198	-0.0912	0.311685
<i>Ei24</i>	chr9:36779158-36797393	21.0889	21.8727	0.0526	0.482976
<i>Parp3</i>	chr9:106470321-106476949	22.1813	20.5509	-0.1101	0.449722
<i>Vac14</i>	chr8:110618637-110720396	14.8550	15.4813	0.0596	0.559578
<i>Ubl4</i>	chrX:74365717-74373218	9.8077	10.1884	0.0549	0.414207
<i>Gla</i>	chrX:134588148-134601125	4.7397	4.3644	-0.1190	0.199676
<i>Spryd7</i>	chr14:61531992-61556886	4.8517	4.4790	-0.1153	0.251137
<i>Slain1</i>	chr14:103650227-103704907	25.3542	26.1346	0.0437	0.520042
<i>Thumpd2</i>	chr17:81026326-81065085	11.6711	10.8687	-0.1028	0.115192
<i>Ncoa2</i>	chr1:13139104-13374083	13.5637	13.9887	0.0445	0.606834
<i>3110067C02Rik</i>	chrX:150463725-150466156	0.3278	0.4155	0.3422	0.251083
<i>Fbxl20</i>	chr11:98082555-98150403	12.2943	11.5713	-0.0874	0.364701
<i>Gm17056</i>	chr12:40198655-40201105	0.6534	0.7760	0.2481	0.442368
<i>Acot2</i>	chr12:83987860-83993873	7.6952	7.1076	-0.1146	0.250347
<i>Ccdc125</i>	chr13:100669480-100697240	16.5154	15.5015	-0.0914	0.233214
<i>Mypop</i>	chr7:18991244-19001766	2.7678	2.4114	-0.1989	0.446158
<i>Slc30a7</i>	chr3:115938972-116007406	15.1090	15.6645	0.0521	0.597621
<i>Apoh</i>	chr11:108343353-108414396	0.9167	1.1124	0.2791	0.494284
<i>Bcl2l14</i>	chr6:134396317-134438736	0.2990	0.2364	-0.3387	0.293206
<i>Traj44</i>	chr14:54173689-54173750	31.0387	25.8126	-0.2660	0.228066
<i>Ranbp2</i>	chr10:58446851-58494155	75.5172	78.3471	0.0531	0.579726
<i>E2f7</i>	chr10:110745438-110787384	0.1276	0.1609	0.3349	0.559840
<i>Nup107</i>	chr10:117750623-117792705	24.2012	24.9812	0.0458	0.519560
<i>Mmd</i>	chr11:90187683-90278589	8.8884	8.3672	-0.0872	0.207885
<i>Mrpl27</i>	chr11:94653766-94660089	9.1533	9.8093	0.0999	0.494034
<i>Fam104a</i>	chr11:113661318-113684155	12.1568	11.3443	-0.0998	0.311544
<i>Cdc42ep4</i>	chr11:113726849-113751881	0.4776	0.3973	-0.2655	0.073520
<i>Tecpr2</i>	chr12:110889263-110972394	3.6122	3.3544	-0.1068	0.353786
<i>Rcor1</i>	chr12:111039350-111115901	17.5757	16.4089	-0.0991	0.414458
<i>2010107E04Rik</i>	chr12:111961375-111966977	124.2636	112.5653	-0.1426	0.488447
<i>Gm6768</i>	chr12:119260933-119264272	0.4007	0.4771	0.2517	0.298022
<i>Mrpl33</i>	chr5:31596934-31701972	11.2160	10.5025	-0.0948	0.332597
<i>Rilpl1</i>	chr5:124493081-124531391	0.7955	0.6208	-0.3578	0.504606
<i>Trbj2-3</i>	chr6:41543222-41543271	202.8201	221.2907	0.1257	0.553397
<i>Cacna2d4</i>	chr6:119236525-119352407	4.9608	5.1763	0.0614	0.517061
<i>NA</i>	chr7:100545755-100547620	0.7474	0.8985	0.2657	0.457136
<i>Gm7389</i>	chr8:3994627-3997505	1.6258	1.8205	0.1632	0.483742
<i>Chtf8</i>	chr8:106883862-106893601	52.9370	50.2976	-0.0738	0.117446
<i>Epm2aip1</i>	chr9:111271844-111279089	20.1512	18.8785	-0.0941	0.369498
<i>Slc6a8</i>	chrX:73673149-73682502	0.3991	0.4698	0.2345	0.475211
<i>Fam173b</i>	chr15:31601851-31621227	5.7263	5.3251	-0.1048	0.315658
<i>Pick1</i>	chr15:79229172-79256674	3.2406	2.9938	-0.1143	0.386138
<i>Pdgfb</i>	chr15:79995899-80014808	1.4241	1.6709	0.2305	0.563680
<i>Zmiz1</i>	chr14:25459184-25666743	1.8473	2.0354	0.1399	0.654720
<i>Ap5m1</i>	chr14:49066494-49087723	22.5880	21.1253	-0.0966	0.334063
<i>Cdh24</i>	chr14:54631991-54641364	1.5862	1.3934	-0.1870	0.288585
<i>Gm1976</i>	chr17:94759943-94834799	3.3213	3.6209	0.1246	0.477189
<i>Fam86</i>	chr16:5244151-5255983	14.1945	14.7477	0.0552	0.450259
<i>Gm24336</i>	chr19:44113978-44114124	190.8769	225.1151	0.2380	0.517759
<i>Peo1</i>	chr19:45006557-45012762	7.4631	6.9566	-0.1014	0.221206
<i>Mrpl15</i>	chr1:4773205-4785739	11.8757	11.0473	-0.1043	0.369937
<i>Acsl3</i>	chr1:78657824-78706987	2.8990	3.1440	0.1171	0.516939
<i>Smyd3</i>	chr1:178951959-179518041	4.7476	4.9347	0.0558	0.505625
<i>Sde2</i>	chr1:180851150-180868097	16.4101	15.4294	-0.0889	0.203611
<i>Urm1</i>	chr2:29820074-29845002	7.4825	7.8107	0.0619	0.523814
<i>Slc4a10</i>	chr2:62046461-62326730	1.2091	1.3131	0.1190	0.485081
<i>Ssfa2</i>	chr2:79635351-79672966	6.2302	5.7803	-0.1081	0.390592
<i>Gm14125</i>	chr2:150305527-150306516	1.0522	0.7969	-0.4009	0.408751
<i>Actr5</i>	chr2:158624887-158639211	10.3244	9.6302	-0.1004	0.334820
<i>Gm16093</i>	chr3:19227779-19240987	40.8126	43.9047	0.1054	0.608789
<i>Wdr3</i>	chr3:100138179-100162407	26.5811	25.0771	-0.0840	0.285086
<i>Arhgap29</i>	chr3:121953228-122016677	0.5611	0.6632	0.2413	0.574113
<i>Gm12940</i>	chr4:127033730-127049398	35.7426	33.4372	-0.0962	0.376060
<i>Gm24362</i>	chr4:136018070-136018486	2.2747	2.8511	0.3258	0.449700
<i>Kmt2d</i>	chr15:98831668-98871204	8.9878	10.5131	0.2262	0.532889
<i>Gm13939</i>	chr2:109902395-109913319	1.4996	1.7765	0.2444	0.488459
<i>2210016F16Rik</i>	chr13:58380045-58385225	18.8216	19.5392	0.0540	0.538028
<i>Tyms</i>	chr5:30058201-30073617	1.6241	1.8138	0.1594	0.644965

<i>Fam196b</i>	chr11:34314821-34422640	12.5356	13.5012	0.1071	0.671898
<i>Ghdc</i>	chr11:100766031-100770957	1.6663	1.4543	-0.1963	0.314028
<i>H2-Q7</i>	chr17:35439154-35443773	75.0692	70.5661	-0.0892	0.367064
<i>Gm26917</i>	chr17:39843012-39846341	2745.6406	3241.4705	0.2395	0.535521
<i>Cebpzos</i>	chr17:78916498-78921037	13.3907	12.2868	-0.1241	0.349753
<i>Sord</i>	chr2:122234748-122265340	0.8344	0.7009	-0.2515	0.208164
<i>Mfsd1</i>	chr3:67582767-67604231	25.3617	23.9431	-0.0830	0.236639
<i>Thap3</i>	chr4:151982638-151988997	19.3368	17.9508	-0.1073	0.323221
<i>Rad50</i>	chr11:53649518-53707319	23.7234	24.5186	0.0476	0.553867
<i>Yipf2</i>	chr9:21588708-21592831	15.3051	14.3422	-0.0938	0.226989
<i>Nsg1</i>	chr5:38137192-38159467	0.7639	0.8832	0.2093	0.066506
<i>Gm16174</i>	chr7:19816552-19818625	2.9793	3.5484	0.2522	0.359969
<i>Mmachc</i>	chr4:116702278-116708406	4.4876	4.8468	0.1111	0.517915
<i>Fiz1</i>	chr7:5007056-5014697	10.9120	10.2166	-0.0950	0.205680
<i>Tbcd</i>	chr11:121451948-121617164	14.1943	13.3769	-0.0856	0.335906
<i>Ccdc175</i>	chr12:72101291-72185029	0.6633	0.5289	-0.3268	0.408101
<i>Zhx2</i>	chr15:57694664-57839833	10.2233	9.5682	-0.0955	0.332975
<i>Adal</i>	chr2:121140427-121156680	7.7400	7.1634	-0.1117	0.422367
<i>Fnip2</i>	chr3:79455970-79567796	0.2136	0.1767	-0.2729	0.198893
<i>Abhd10</i>	chr16:45729724-45742955	4.7157	5.0161	0.0891	0.586254
<i>Ofd1</i>	chrX:166390032-166440704	11.6676	11.9760	0.0376	0.311096
<i>Cdk19os</i>	chr10:40348507-40350103	1.2220	1.5111	0.3063	0.518914
<i>Dennd4b</i>	chr3:90265184-90280669	18.7104	17.3146	-0.1119	0.476626
<i>Rnase6</i>	chr14:51129067-51131122	0.9367	0.7139	-0.3919	0.384092
<i>Rab1b</i>	chr19:5099206-5106996	53.0719	54.9517	0.0502	0.554050
<i>Gm26387</i>	chr5:107907344-107907476	14.1920	11.4346	-0.3117	0.412122
<i>Znhit2</i>	chr19:6061191-6062470	15.1467	13.7378	-0.1409	0.456515
<i>Luc7l</i>	chr17:26252909-26285504	25.9576	24.5631	-0.0797	0.276462
<i>Tomm40</i>	chr7:19701312-19715438	12.2151	11.4015	-0.0994	0.322822
<i>Xk</i>	chrX:9272755-9313250	0.7697	0.6710	-0.1981	0.324142
<i>Scrib</i>	chr15:76047157-76069784	9.8809	9.3076	-0.0862	0.283439
<i>Hmga1</i>	chr17:27556619-27563674	4.9403	5.2995	0.1013	0.479797
<i>Ndufs1</i>	chr1:63143595-63176822	33.1017	31.1437	-0.0880	0.306708
<i>Rpap1</i>	chr2:119763303-119787537	7.0688	6.5338	-0.1135	0.453870
<i>Fam132a</i>	chr4:155962317-155966629	1.9668	1.6816	-0.2260	0.262245
<i>Actr10</i>	chr12:70937856-70964718	21.2699	19.4218	-0.1311	0.509101
<i>Srd5a3</i>	chr5:76140270-76155504	6.9000	6.4736	-0.0920	0.200143
<i>Snord65</i>	chr11:62604514-62604586	19.7260	16.0511	-0.2974	0.145553
<i>Gm20536</i>	chr6:72609835-72616190	61.8008	64.1574	0.0540	0.189640
<i>Glyctk</i>	chr9:106152856-106158138	4.4433	4.0657	-0.1281	0.391580
<i>Arap2</i>	chr5:62602444-62766198	26.5120	27.2971	0.0421	0.557094
<i>Pi4ka</i>	chr16:17280350-17406314	15.6553	14.7248	-0.0884	0.390159
<i>Drap1</i>	chr19:5422804-5424979	47.1639	50.2952	0.0927	0.630022
<i>4930556J24Rik</i>	chr11:3937540-3976778	5.5201	5.9943	0.1189	0.421930
<i>1110057K04Rik</i>	chr12:8208106-8285758	17.7119	18.2585	0.0438	0.430116
<i>Timm13</i>	chr10:80899449-80900969	24.3051	22.2279	-0.1289	0.438670
<i>Rps12-ps26</i>	chr11:107171899-107172232	2.2807	2.8470	0.3200	0.369819
<i>Fbxo8</i>	chr8:56551089-56592393	10.4607	10.9275	0.0630	0.547539
<i>Fchsdl</i>	chr18:37957430-37969774	6.5358	6.9087	0.0800	0.601353
<i>Zcchc8</i>	chr5:123698301-123721044	17.9975	18.4417	0.0352	0.374895
<i>Gm26782</i>	chr14:50870363-50879003	6.6388	6.1846	-0.1022	0.028169
<i>Gm16541</i>	chr19:42536849-42563108	12.1721	13.2294	0.1202	0.497976
<i>Klhl17</i>	chr4:156229043-156234857	11.6573	10.9740	-0.0871	0.108383
<i>Gm11999</i>	chr11:11642202-11685400	4.9211	4.2764	-0.2026	0.348121
<i>Naa38</i>	chr11:69395486-69396680	18.8013	20.2376	0.1062	0.570881
<i>Gm26890</i>	chr7:19597292-19602294	1.9252	2.0884	0.1174	0.419932
<i>Huwe1</i>	chrX:151800806-151935417	31.3052	32.5901	0.0580	0.659875
<i>Wtap</i>	chr17:12966795-12992546	22.4773	21.2625	-0.0802	0.251600
<i>Gm7580</i>	chr7:74392697-74411233	2.6230	3.1313	0.2555	0.396667
<i>NA</i>	chr13:106833859-106847267	4.0181	3.5907	-0.1622	0.311896
<i>Efcab9</i>	chr11:32522750-32532081	2.2876	1.9481	-0.2318	0.186809
<i>Zfp874b</i>	chr13:67471513-67484225	16.8385	15.6665	-0.1041	0.418386
<i>Gm11517</i>	chr11:96795438-96795825	2.1774	1.6443	-0.4051	0.350391
<i>Gm5434</i>	chr12:36090378-36091829	0.8260	0.6699	-0.3023	0.134975
<i>Irf4</i>	chr13:30749225-30766927	3.6634	3.9494	0.1084	0.619093
<i>N4bp2</i>	chr5:65763520-65830108	12.8116	12.1014	-0.0823	0.311522
<i>Morn3</i>	chr5:123035768-123047016	0.8834	0.7046	-0.3264	0.237547
<i>Opn1sw</i>	chr6:29376670-29388468	0.5600	0.6666	0.2513	0.385020
<i>Emg1</i>	chr6:124704380-124712178	117.7986	109.0943	-0.1107	0.444773
<i>Rhpn2</i>	chr7:35334174-35392285	0.4796	0.5486	0.1938	0.217527
<i>Mesdc2</i>	chr7:83884465-83901532	11.4447	10.7770	-0.0867	0.203172

4632427E13Rik	chr7:92734165-92741468	18.9291	19.5887	0.0494	0.585287
Pagr1a	chr7:127001481-127020327	9.7574	10.1282	0.0538	0.493918
4930512H18Rik	chr8:61849005-61922834	4.1481	4.6300	0.1586	0.596652
Dok4	chr8:94863827-94876312	2.1072	1.8655	-0.1758	0.322609
Stt3b	chr9:115242606-115310421	48.5507	45.9020	-0.0809	0.317465
Arhgef9	chrX:95048934-95196821	0.1592	0.1894	0.2502	0.437121
Nhs12	chrX:101849384-102092055	0.0505	0.0636	0.3320	0.452727
Pacsin2	chr15:83375606-83464606	5.9113	5.4707	-0.1118	0.341063
Cideb	chr14:55754044-55758458	3.0608	2.7066	-0.1774	0.158279
Pdpk1	chr17:24073679-24150924	20.3824	19.2782	-0.0803	0.304616
Gm9806	chr19:16780546-16781103	16.8457	15.3205	-0.1369	0.244326
Gm9929	chr1:170868644-170881721	7.4379	7.8689	0.0813	0.393885
Tsc1	chr2:28641227-28691167	6.5258	6.1680	-0.0813	0.277916
Gm14471	chr2:30306066-30323986	3.9137	3.5036	-0.1597	0.449139
Gm10130	chr2:150323701-150363071	7.4925	8.6785	0.2120	0.495671
Nsfl1c	chr2:151494181-151511414	11.2385	11.7066	0.0589	0.551551
Gm14270	chr2:170285034-170285880	0.8177	1.0424	0.3503	0.338041
Alg2	chr4:47465066-47474333	8.6333	7.9885	-0.1120	0.417033
Mink1	chr11:70562880-70614483	9.9614	10.5342	0.0807	0.639003
Gm15800	chr5:121220218-121368577	9.5629	8.8158	-0.1174	0.505028
Zfp94	chr7:24301703-24316666	3.2296	2.9158	-0.1474	0.386820
Nkap	chrX:37126794-37150746	10.5639	9.8690	-0.0982	0.344655
Bzw1	chr1:58393135-58406548	91.4403	85.4667	-0.0975	0.415129
Bcs1l	chr1:74588288-74592443	7.5724	8.0358	0.0857	0.524287
Trip12	chr1:84721188-84839304	65.9890	67.4185	0.0309	0.535435
BC029722	chr2:155817729-155819426	14.6058	15.4082	0.0771	0.543705
B4galt5	chr2:167298443-167349183	15.2422	16.3533	0.1015	0.676088
Nudt2	chr4:41465150-41480926	5.2181	5.8499	0.1649	0.494644
Gm4258	chr1:137898594-138000384	1.7038	1.9361	0.1844	0.449601
Rnu3a	chr10:40258466-40258678	340.9382	275.4329	-0.3078	0.470368
Rnf185	chr11:3415981-3452363	9.0877	9.4815	0.0612	0.486548
Gm12188	chr11:49088233-49088543	6.7540	7.9467	0.2346	0.542026
Arfp2	chr7:105634202-105640416	7.8377	7.3075	-0.1011	0.343476
9530052E02Rik	chr8:11007849-11054541	0.6065	0.7489	0.3042	0.558767
0610037L13Rik	chr4:107889812-107899384	10.6216	10.9081	0.0384	0.467123
Nsun2	chr13:69533745-69635780	39.6620	37.6763	-0.0741	0.213635
Spry1	chr3:37639946-37644598	0.8640	0.7283	-0.2464	0.358933
Tigd2	chr6:59208869-59212033	33.3355	34.4766	0.0486	0.527691
9330160F10Rik	chr11:69057717-69060483	4.0530	4.3288	0.0950	0.506089
Snx6	chr12:54746348-54795703	42.0201	38.9631	-0.1090	0.442326
Atp11a	chr8:12757013-12868728	3.0735	3.2831	0.0952	0.664197
Gm23202	chr5:146835143-146835272	22.4193	25.1941	0.1683	0.422329
Gm16568	chr9:15330572-15335345	17.3103	18.0826	0.0630	0.591048
Inpp5d	chr1:87620311-87720507	23.8648	24.4857	0.0371	0.603750
Crem	chr18:3266047-3337748	1.8948	2.0153	0.0889	0.382103
Fam129c	chr8:71597647-71607936	1.8571	1.6817	-0.1432	0.022100
Cyb5d2	chr11:72777231-72796142	2.0721	1.8965	-0.1277	0.160569
Fscn2	chr11:120361533-120368168	0.5247	0.4109	-0.3525	0.377677
Slc25a1	chr16:17925210-17928219	9.6209	10.2736	0.0947	0.595867
Rcl1	chr19:29101374-29143843	22.6653	21.2245	-0.0948	0.248717
Stk4	chr2:164070321-164155524	133.5933	137.0036	0.0364	0.536835
Ankrd6	chr4:32804034-32950841	0.5948	0.6720	0.1759	0.519195
Eif4enif1	chr11:3202391-3244588	9.0431	9.3638	0.0503	0.562017
Lrpap1	chr5:35091489-35105766	12.6527	11.9025	-0.0882	0.232688
6430550D23Rik	chr2:155973278-156007977	4.2177	3.9256	-0.1035	0.248238
Spice1	chr16:44347120-44388497	13.3610	13.9335	0.0605	0.637430
Mmp11	chr10:75923221-75932502	1.2712	1.0440	-0.2840	0.518582
C78197	chr11:68192192-68196153	0.3314	0.2477	-0.4199	0.509986
Ctc1	chr11:69015910-69036473	2.9223	3.0693	0.0708	0.574273
Baiap2l1	chr5:144264525-144358112	0.5270	0.6283	0.2536	0.536163
Tmcc3	chr10:94311948-94590956	0.1902	0.1532	-0.3120	0.351643
Ndrp1	chr15:66929320-66969640	4.0709	4.2787	0.0718	0.553329
Cd2ap	chr17:42792950-42876424	22.7637	23.5346	0.0481	0.549599
Trav8d-2	chr14:53042427-53042891	2.9700	3.6304	0.2897	0.456665
Dnajc2	chr5:21757266-21785251	22.5939	23.6531	0.0661	0.607612
Mmab	chr5:114431033-114444059	4.8782	4.4650	-0.1277	0.378417
Lace1	chr10:42312584-42478565	3.7011	3.9656	0.0996	0.472062
Pomt1	chr2:32236589-32255005	1.9120	1.7490	-0.1285	0.320016
Pip4k2c	chr10:127197066-127211622	15.5677	14.6939	-0.0833	0.224610
Ccdc42b	chr5:120628334-120634235	1.0290	1.2518	0.2828	0.306627
Acad11	chr9:104040661-104127463	6.8743	6.3207	-0.1211	0.425218

<i>Kifc1</i>	chr17:33875665-33890661	1.3934	1.2247	-0.1862	0.397744
<i>Rab11fip1</i>	chr8:27138772-27174646	8.1792	7.6956	-0.0879	0.344494
<i>Tspan13</i>	chr12:36014556-36042500	37.1140	34.7532	-0.0948	0.366386
<i>Gm16253</i>	chr3:96576983-96580663	4.9779	4.1400	-0.2659	0.464560
<i>Usp34</i>	chr11:23306894-23490560	16.7396	17.6266	0.0745	0.673246
<i>Eno3</i>	chr11:70657201-70662513	10.1952	10.7528	0.0768	0.585620
<i>Mob1b</i>	chr5:88720854-88762058	3.0535	2.8180	-0.1158	0.465203
<i>Usp39</i>	chr6:72318677-72345184	27.0174	27.9243	0.0476	0.513816
<i>Cbr4</i>	chr8:61487733-61503482	3.9541	3.5647	-0.1496	0.436924
<i>A630014C17Rik</i>	chr11:52276054-52286179	5.8798	5.3708	-0.1306	0.454774
<i>Kit</i>	chr5:75574915-75656722	0.2827	0.3523	0.3173	0.610299
<i>Inpp4a</i>	chr1:37299864-37410736	3.2844	3.0303	-0.1162	0.434592
<i>Luc7l3</i>	chr11:94287889-94321988	63.2975	60.1392	-0.0738	0.250681
<i>Poc5</i>	chr13:96388293-96415587	13.0408	13.5250	0.0526	0.511592
<i>Meis3</i>	chr7:16175089-16186510	6.7901	6.1756	-0.1368	0.475399
<i>Wdr75</i>	chr1:45795165-45823619	23.2721	23.9906	0.0439	0.543751
<i>Snrpa</i>	chr7:27187004-27196271	13.7965	14.6119	0.0828	0.579401
<i>Ctnnal1</i>	chr4:56810934-56865188	0.2492	0.2102	-0.2458	0.131313
<i>Rtn4</i>	chr11:29692946-29744331	12.7999	13.0996	0.0334	0.353075
<i>Alkbh5</i>	chr11:60536380-60558512	17.8890	16.9647	-0.0765	0.237967
<i>Gm11583</i>	chr11:97160989-97161675	50.2523	46.9411	-0.0983	0.151659
<i>Apopt1</i>	chr12:111713260-111754980	6.2094	6.6427	0.0973	0.582073
<i>Kdm1b</i>	chr13:47043498-47084613	17.4278	16.4525	-0.0831	0.235233
<i>Gm8546</i>	chr13:89577154-89578413	0.6774	0.5052	-0.4232	0.365101
<i>Crot</i>	chr5:8966032-8997324	17.1717	16.2752	-0.0774	0.171578
<i>Gm1043</i>	chr5:37185896-37193023	1.2768	1.0778	-0.2445	0.209199
<i>NA</i>	chr5:105323790-105343929	5.2334	5.6585	0.1127	0.558483
<i>Ap4m1</i>	chr5:138172001-138178708	5.9302	5.5187	-0.1038	0.214282
<i>Cnbp</i>	chr6:87842614-87851106	155.6604	162.4434	0.0615	0.612093
<i>Bms1</i>	chr6:118383382-118419417	40.9913	41.9946	0.0349	0.465326
<i>Sympk</i>	chr7:19024376-19054618	17.3235	16.2960	-0.0882	0.398367
<i>Ppp1r37</i>	chr7:19530966-19562398	15.4846	14.5044	-0.0943	0.370890
<i>Iqgap1</i>	chr7:80711582-80803331	99.1734	94.7219	-0.0663	0.206407
<i>Tusc3</i>	chr8:39005866-39165112	27.0443	25.2362	-0.0998	0.343157
<i>Cc2d1a</i>	chr8:84132827-84147936	12.5984	13.0207	0.0476	0.539519
<i>Fam192a</i>	chr8:94574942-94601726	32.0914	33.2669	0.0519	0.539778
<i>Birc3</i>	chr9:7848698-7873186	19.8060	20.2866	0.0346	0.492837
<i>Rps11-ps1</i>	chr9:59471758-59472233	5.0401	4.2693	-0.2395	0.368528
<i>Lrrk2</i>	chr15:91673174-91816120	0.0962	0.1178	0.2915	0.531137
<i>Atp8a2</i>	chr14:59647530-60197179	0.5803	0.6593	0.1841	0.590511
<i>Noxo1</i>	chr17:24696233-24700529	1.0087	0.8757	-0.2041	0.161619
<i>Dhx16</i>	chr17:35879818-35892670	42.2383	40.0105	-0.0782	0.264434
<i>Olfr755-ps1</i>	chr17:37276647-37278105	3.2312	3.5864	0.1504	0.263307
<i>Taf8</i>	chr17:47488049-47502287	27.0952	27.9829	0.0465	0.563333
<i>Gpr137</i>	chr19:6938068-6942450	4.3581	4.6680	0.0991	0.548370
<i>Mrp130</i>	chr1:37890476-37898535	32.6729	34.1193	0.0625	0.585247
<i>Il1rl2</i>	chr1:40324626-40365471	4.3819	3.9803	-0.1387	0.328587
<i>Gm7785</i>	chr1:91296044-91296936	0.7811	0.9636	0.3030	0.036758
<i>D1Ert622e</i>	chr1:97643902-97662074	7.5185	7.8431	0.0610	0.504377
<i>NA</i>	chr1:153905300-153916910	1.3199	1.7585	0.4139	0.474748
<i>Suco</i>	chr1:161816111-161876661	22.6080	23.3476	0.0464	0.619273
<i>Prelid2</i>	chr18:41875695-41951194	3.8905	4.4424	0.1914	0.501118
<i>Nedd4l</i>	chr18:64887755-65217826	4.9927	4.6953	-0.0886	0.229248
<i>Cep76</i>	chr18:67617396-67641336	4.2955	3.9920	-0.1057	0.203277
<i>4930426L09Rik</i>	chr2:18998342-18999801	1.5395	1.7882	0.2160	0.570890
<i>Gm13433</i>	chr2:25543478-25543718	3.9619	3.1175	-0.3458	0.226706
<i>Slc12a6</i>	chr2:112265824-112363163	23.1110	21.8872	-0.0785	0.334276
<i>Chst14</i>	chr2:118926496-118928585	1.7372	1.9307	0.1524	0.417429
<i>Zfyve19</i>	chr2:119208616-119217049	8.6439	8.9599	0.0518	0.413716
<i>Myef2</i>	chr2:125084627-125123661	6.7761	7.0349	0.0541	0.534597
<i>Lrrn4</i>	chr2:132868304-132880891	0.2446	0.1868	-0.3895	0.423545
<i>Slx4ip</i>	chr2:136891217-137071950	3.5496	3.3088	-0.1013	0.181785
<i>Gm11688</i>	chr2:144261233-144261541	8.3359	7.1002	-0.2315	0.285794
<i>Oser1</i>	chr2:163405821-163424697	2.8770	3.1110	0.1128	0.449344
<i>Gmeb2</i>	chr2:181251448-181288035	8.8498	8.2957	-0.0933	0.353572
<i>Tmem234</i>	chr4:129600667-129624059	36.8942	34.8322	-0.0830	0.301449
<i>Slc25a4</i>	chr8:46206796-46211284	73.0743	76.0225	0.0571	0.599217
<i>0610011F06Rik</i>	chr17:25875463-25886007	22.5058	20.9153	-0.1057	0.298784
<i>Trpm5</i>	chr7:143069152-143094642	0.2059	0.1629	-0.3379	0.437050
<i>Gm15978</i>	chr17:87329763-87332052	3.3355	2.8603	-0.2217	0.301898
<i>Hps4</i>	chr5:112343082-112378414	4.5631	4.2286	-0.1098	0.286575

<i>H2-D1</i>	chr17:35262729-35267499	709.1008	671.3103	-0.0790	0.324281
<i>Trim2</i>	chr3:84160438-84305446	0.4763	0.4283	-0.1531	0.429934
<i>Fn3krp</i>	chr11:121421400-121431288	4.5027	4.7943	0.0905	0.514972
<i>Hif1a</i>	chr12:73901374-73947530	36.3097	37.3374	0.0403	0.534266
<i>Arcn1</i>	chr9:44741563-44767845	29.1709	27.5600	-0.0820	0.303576
<i>Frat1</i>	chr19:41830167-41830809	8.6752	9.9012	0.1907	0.579601
<i>Gm6963</i>	chr10:39424617-39424996	3.9131	4.6024	0.2341	0.463395
<i>Arhgef7</i>	chr8:11728104-11835219	4.5563	4.2576	-0.0978	0.427513
<i>Shpk</i>	chr11:73199459-73224511	4.8833	4.4840	-0.1231	0.347254
<i>2610206C17Rik</i>	chr7:84689639-84776549	0.7943	0.6445	-0.3015	0.281236
<i>Supt16</i>	chr14:52160418-52197239	56.9339	58.0094	0.0270	0.397863
<i>St6galnac3</i>	chr3:153205404-153725062	2.0322	2.3442	0.2061	0.452587
<i>Kifc3</i>	chr8:95099831-95142540	2.0850	1.8457	-0.1759	0.496345
<i>Nid2</i>	chr14:19751256-19811787	0.2860	0.2335	-0.2924	0.237628
<i>Fam184b</i>	chr5:45529705-45639501	0.3059	0.2444	-0.2339	0.341254
<i>Scarb2</i>	chr5:92443872-92505608	50.9063	47.9500	-0.0863	0.316412
<i>Ccdc106</i>	chr7:5056151-5060785	0.6949	0.5694	-0.2873	0.468619
<i>Zfp790</i>	chr7:29816071-29832042	10.1658	9.5452	-0.0909	0.284883
<i>Dis3l</i>	chr9:64306755-64341288	5.2447	5.4760	0.0623	0.560403
<i>Kif4</i>	chrX:100625736-100727214	1.8675	2.2626	0.2769	0.556394
<i>Dap</i>	chr15:31224384-31274338	17.4050	16.0760	-0.1146	0.442340
<i>Tymp</i>	chr15:89371930-89377039	10.0661	10.6036	0.0750	0.586634
<i>Dock5</i>	chr14:67751927-67933572	4.7751	5.1045	0.0962	0.670198
<i>Gm17233</i>	chr14:73173819-73187321	8.1866	7.1436	-0.1966	0.470817
<i>Abcc10</i>	chr17:46303220-46328352	1.9493	1.7803	-0.1309	0.426960
<i>Ttc30a1</i>	chr2:75979105-75981967	1.2168	1.3625	0.1631	0.534393
<i>Zfp106</i>	chr2:120506819-120563843	17.2840	17.5780	0.0243	0.466581
<i>Gm25360</i>	chr1:72226239-72226430	22.8011	19.3247	-0.2387	0.532197
<i>Tmc4</i>	chr7:3665789-3677524	2.1430	1.9585	-0.1299	0.153440
<i>Abrac1</i>	chr10:18011262-18023252	136.2046	143.6578	0.0769	0.631980
<i>Mif</i>	chr10:75859352-75860250	42.2824	38.0741	-0.1512	0.512151
<i>Slc35e3</i>	chr10:117733678-117746358	1.5881	1.4186	-0.1629	0.271688
<i>Cdk2</i>	chr10:128697938-128705051	9.5837	8.9410	-0.1001	0.262483
<i>Myo1g</i>	chr11:6506547-6520965	49.8331	47.4507	-0.0707	0.265970
<i>Chrne</i>	chr11:70614882-70619216	0.5340	0.6524	0.2889	0.457621
<i>Trim25</i>	chr11:88999375-89020293	16.9638	17.6567	0.0578	0.657119
<i>Susd3</i>	chr13:49230689-49248706	4.1668	3.7204	-0.1635	0.527707
<i>Zfp273</i>	chr13:67813739-67827002	2.6037	2.8089	0.1094	0.560819
<i>Gm17590</i>	chr5:3473070-3473178	24.5736	20.8852	-0.2346	0.463167
<i>Shfm1</i>	chr6:6557293-6578658	57.9977	65.7176	0.1803	0.518789
<i>Gimap8</i>	chr6:48647233-48660875	214.0808	202.4011	-0.0809	0.337897
<i>Kdm5a</i>	chr6:120364098-120444574	32.7167	31.1698	-0.0699	0.238453
<i>Foxm1</i>	chr6:128362966-128375893	1.1372	1.2793	0.1699	0.646166
<i>Chad2</i>	chr7:73426690-73541746	61.3163	62.4491	0.0264	0.521149
<i>Doc2a</i>	chr7:126847415-126852705	5.1127	4.6411	-0.1396	0.443101
<i>Brf2</i>	chr8:27123831-27128632	7.2243	6.6133	-0.1275	0.240713
<i>Prmt10</i>	chr8:77549396-77581338	10.8560	10.1627	-0.0952	0.361368
<i>Lcat</i>	chr8:105939550-105943382	0.7123	0.8765	0.2992	0.416986
<i>Slc7a6</i>	chr8:106168874-106198704	16.3569	15.4013	-0.0869	0.344793
<i>Zfp1</i>	chr8:111643442-111671008	16.4570	15.2841	-0.1067	0.381051
<i>Hmg20a</i>	chr9:56418643-56496884	19.0082	19.6245	0.0460	0.582638
<i>Polr2m</i>	chr9:71478436-71485935	61.1666	63.4487	0.0528	0.614822
<i>Scp2-ps2</i>	chr9:123307507-123307939	4.8863	4.0949	-0.2549	0.337036
<i>Suv39h1</i>	chrX:8061170-8074760	8.9618	8.4658	-0.0821	0.146363
<i>Zfp707</i>	chr15:75969122-75975868	8.0402	7.5384	-0.0930	0.190228
<i>Soat2</i>	chr15:102150525-102163474	0.8395	1.0420	0.3118	0.619632
<i>Slc7a7</i>	chr14:54369443-54409472	1.4594	1.2619	-0.2098	0.349731
<i>Mtrf1</i>	chr14:79397771-79423650	2.8782	3.1774	0.1427	0.525085
<i>NA</i>	chr17:6451887-6477102	4.0916	4.6090	0.1718	0.317478
<i>Brpf3</i>	chr17:28801089-28838546	2.6176	2.3901	-0.1312	0.479521
<i>Mrps10</i>	chr17:47368886-47381417	4.6864	4.4253	-0.0827	0.113252
<i>Wdr5b</i>	chr16:36041189-36042973	15.5018	14.4717	-0.0992	0.263162
<i>Tmem134</i>	chr19:4125933-4132307	21.4532	20.2344	-0.0844	0.335970
<i>Gm15832</i>	chr1:39547569-39552002	6.3622	5.8733	-0.1153	0.063851
<i>Mars2</i>	chr1:55237176-55240058	13.9601	13.1385	-0.0875	0.279374
<i>Glb1l</i>	chr1:75198242-75210778	5.2055	5.4200	0.0583	0.520964
<i>Aldh9a1</i>	chr1:167349990-167368530	16.9008	16.0328	-0.0761	0.037176
<i>Saccag8</i>	chr1:176814659-177020437	10.4030	10.6979	0.0403	0.444600
<i>Trp53inp2</i>	chr2:155381058-155389850	0.5421	0.6185	0.1902	0.518569
<i>Cnn3</i>	chr3:121426540-121458205	10.8873	9.8433	-0.1454	0.503887
<i>Grhpr</i>	chr4:44981394-44990734	5.2396	4.6488	-0.1726	0.475985

<i>Caap1</i>	chr4:94500080-94556796	6.1837	5.7483	-0.1053	0.257690
<i>Nadk</i>	chr4:155562377-155591001	25.6099	24.2660	-0.0778	0.219200
<i>Foxn2</i>	chr17:88440710-88490533	24.8943	23.5813	-0.0782	0.280514
<i>Gm20517</i>	chr17:47611588-47683861	4.2389	3.9559	-0.0997	0.313720
<i>R3hcc1</i>	chr14:69697306-69707584	6.9480	7.4129	0.0934	0.599705
<i>Zfp27</i>	chr7:29893332-29906572	5.2880	5.5691	0.0747	0.568178
<i>9130019O22Rik</i>	chr7:127382259-127387166	5.3731	4.9378	-0.1219	0.427519
<i>Aar2</i>	chr2:156547583-156568972	10.9954	10.3530	-0.0869	0.208154
<i>Emid1</i>	chr11:5106264-5152257	1.5970	1.4108	-0.1789	0.291666
<i>A430072P03Rik</i>	chr5:107725156-107728801	1.9598	1.7147	-0.1927	0.204600
<i>Sfxn5</i>	chr6:85213050-85333422	0.2833	0.3311	0.2249	0.464393
<i>Gm16433</i>	chr6:108563444-108565693	1.2237	1.3903	0.1841	0.514959
<i>Gm5898</i>	chr7:63542478-63544549	2.1646	2.4171	0.1592	0.532802
<i>Trim68</i>	chr7:102677579-102687326	6.5638	6.8919	0.0704	0.442946
<i>Zswim4</i>	chr8:84210941-84237042	7.3386	6.8114	-0.1076	0.432525
<i>Dhodh</i>	chr8:109591342-109608673	4.5142	4.2076	-0.1015	0.325334
<i>Nktr</i>	chr9:121719168-121756843	23.6693	24.2391	0.0343	0.629742
<i>1810030O07Rik</i>	chrX:12654878-12673668	27.8776	26.3327	-0.0823	0.294006
<i>Itm2b</i>	chr14:73362230-73385271	261.5453	267.4049	0.0320	0.516939
<i>H2-M3</i>	chr17:37270219-37274484	50.9003	47.8590	-0.0889	0.322654
<i>Ppp2r5b</i>	chr19:6227764-6235872	5.5688	5.1209	-0.1210	0.395048
<i>Teddm1a</i>	chr1:153891645-153893060	0.5756	0.4387	-0.3921	0.382323
<i>Efcab2</i>	chr1:178405880-178483247	2.2302	1.9824	-0.1699	0.415988
<i>Matr3</i>	chr18:35562157-35592045	104.5409	108.7330	0.0567	0.618284
<i>Ttf1</i>	chr2:29060261-29087656	15.8440	15.0020	-0.0788	0.272500
<i>Hsd17b12</i>	chr2:94032688-94157964	21.0052	19.6393	-0.0970	0.342091
<i>Mfap1b</i>	chr2:121460234-121474067	5.7242	5.2323	-0.1296	0.439632
<i>Tiparp</i>	chr3:65528409-6555145	10.6094	9.9325	-0.0951	0.331637
<i>Ciart</i>	chr3:95878502-95882251	1.6792	1.4653	-0.1966	0.363563
<i>Hist2h2ac</i>	chr3:96220360-96220880	68.4926	72.6521	0.0851	0.658839
<i>Fsd1l</i>	chr4:53631470-53707009	0.1104	0.1433	0.3757	0.573527
<i>B430219N15Rik</i>	chr10:7780184-7781357	2.1630	2.4609	0.1862	0.486107
<i>Dgke</i>	chr11:89035178-89066850	8.4801	8.7291	0.0417	0.580958
<i>Med6</i>	chr12:81573556-81595008	15.9293	16.6642	0.0651	0.547948
<i>Ptger1</i>	chr8:83666832-83672753	28.7461	27.0765	-0.0863	0.408226
<i>Agl</i>	chr3:116739998-116808166	2.5437	2.3795	-0.0962	0.337885
<i>Nfj</i>	chr11:79339692-79581612	1.3561	1.4340	0.0806	0.637619
<i>Trbj2-4</i>	chr6:41543361-41543410	193.7769	177.7423	-0.1246	0.197138
<i>Ipo8</i>	chr6:148770682-148831467	12.3218	11.7592	-0.0674	0.110801
<i>Cox6b1</i>	chr7:30616973-30626151	203.3793	217.3580	0.0959	0.643896
<i>Traj20</i>	chr14:54199440-54199498	36.5279	30.6059	-0.2552	0.364052
<i>Parp14</i>	chr16:35832873-35871544	44.0957	45.9887	0.0606	0.672146
<i>Gm27042</i>	chr19:40589434-40594862	2.6666	2.9730	0.1569	0.392798
<i>Cbfa2t2</i>	chr2:154436480-154539356	3.1348	2.9394	-0.0928	0.216794
<i>Intu</i>	chr3:40531285-40704774	0.3346	0.2859	-0.2271	0.272665
<i>Dvl1</i>	chr4:155847401-155859303	18.6559	17.6810	-0.0774	0.276012
<i>Gm12577</i>	chr4:58483251-58483825	2.0296	1.5412	-0.3972	0.467687
<i>Dyrk1b</i>	chr7:28179468-28187294	2.9891	3.3143	0.1490	0.622504
<i>Camk2d</i>	chr3:126596301-126844913	6.1883	6.4779	0.0660	0.671032
<i>Lrrc47</i>	chr4:154011730-154021513	11.5823	10.7880	-0.1025	0.413055
<i>Tnpo1</i>	chr13:98839018-98926384	35.5084	33.4891	-0.0845	0.384887
<i>Uvssa</i>	chr5:33378550-33419754	9.3996	9.7586	0.0541	0.655018
<i>Ap1s1</i>	chr5:137034992-137046135	7.1344	7.5184	0.0756	0.538958
<i>Inpp5f</i>	chr7:128611327-128696425	6.3913	6.5761	0.0411	0.556380
<i>Eif1b</i>	chr9:120492605-120495327	48.6699	45.4425	-0.0990	0.360102
<i>Zcchc14</i>	chr8:121598702-121652901	0.1865	0.2217	0.2489	0.520650
<i>Sprtn</i>	chr8:124897885-124903813	18.7234	17.6769	-0.0830	0.183433
<i>Elf1</i>	chr14:79481193-79582476	110.3065	112.6879	0.0308	0.559048
<i>Alkbh2</i>	chr5:114123925-114128218	5.0475	5.5440	0.1354	0.551068
<i>Srf</i>	chr17:46546838-46556162	25.1763	26.1012	0.0520	0.624266
<i>Gm17606</i>	chr14:54640951-54648293	49.2062	45.0668	-0.1268	0.342366
<i>Dnm1</i>	chr2:32308470-32353329	0.1524	0.1906	0.3233	0.483528
<i>Pkn2</i>	chr3:142790901-142882004	27.3295	28.0962	0.0399	0.563990
<i>Gm4925</i>	chr10:88729540-88731101	1.0378	0.8313	-0.3200	0.427298
<i>Rdh10</i>	chr1:16105773-16133734	3.2652	2.9846	-0.1296	0.405766
<i>Ncln</i>	chr10:81486248-81496392	36.2914	33.9901	-0.0945	0.430596
<i>Irf2bpl</i>	chr12:86880702-86884814	18.1782	16.9038	-0.1049	0.482816
<i>Cdc7</i>	chr5:106964321-106984432	10.4941	9.8527	-0.0910	0.293008
<i>Tnip3</i>	chr6:65590397-65634040	0.2308	0.2960	0.3585	0.487991
<i>Dctd</i>	chr8:48099091-48153233	3.5733	3.2585	-0.1331	0.426934
<i>Tmem39a</i>	chr16:38558697-38592162	5.6823	5.8995	0.0541	0.403595

<i>Nvl</i>	chr1:181093422-181144157	27.6427	26.1323	-0.0811	0.323956
<i>Gm13807</i>	chr2:93403546-93417830	4.9122	5.3406	0.1206	0.566471
<i>Chd1l</i>	chr3:97560741-97610203	25.1620	25.7764	0.0348	0.424573
<i>Lmo4</i>	chr3:144188529-144205220	7.9146	8.3296	0.0737	0.583020
<i>Lyrm5</i>	chr6:145211133-145216939	10.0726	10.5106	0.0614	0.517411
<i>BC037032</i>	chr15:4021685-4027402	1.2734	1.3781	0.1140	0.467639
<i>Arhgef33</i>	chr17:80307406-80388688	0.2192	0.2745	0.3242	0.298627
<i>Mybl1</i>	chr1:9667414-9700209	0.5632	0.6412	0.1871	0.561789
<i>Dock10</i>	chr1:80501072-80758553	184.0832	174.6688	-0.0757	0.302933
<i>Psd2</i>	chr18:35964829-36014715	0.2333	0.1883	-0.3090	0.188177
<i>Hsf2</i>	chr10:57486384-57513133	6.1208	5.6610	-0.1127	0.328736
<i>R3hdm2</i>	chr10:127380326-127499384	4.0250	4.2562	0.0806	0.642381
<i>Peli1</i>	chr11:21091290-21150323	63.9189	64.9473	0.0230	0.590010
<i>Med13</i>	chr11:86267032-86357602	24.2660	25.0901	0.0482	0.640322
<i>Thra</i>	chr11:98740637-98769006	3.1009	3.3414	0.1078	0.619931
<i>Klhl11</i>	chr11:100462613-100472741	15.5324	14.5256	-0.0967	0.327672
<i>Dnal1</i>	chr12:84114365-84147498	0.1834	0.2220	0.2758	0.523070
<i>Arel1</i>	chr12:84918147-84970900	24.4586	23.1008	-0.0824	0.402448
<i>Pomt2</i>	chr12:87106865-87147902	3.6927	3.8884	0.0745	0.571621
<i>Klhl3</i>	chr13:58004220-58113592	1.9163	2.0726	0.1131	0.463832
<i>Ksr2</i>	chr5:117413999-11775003	0.1569	0.1921	0.2925	0.577828
<i>Rnf216</i>	chr5:142990892-143113020	1.7304	1.8576	0.1023	0.531001
<i>Ccdc91</i>	chr6:147475870-147632612	11.0580	11.4735	0.0532	0.489780
<i>Tm2d3</i>	chr7:65691168-65701913	16.9433	15.6945	-0.1105	0.374062
<i>Snora3</i>	chr7:109520119-109520251	39.0310	34.0397	-0.1974	0.466562
<i>Tollip</i>	chr7:141874812-141918507	13.4688	12.7490	-0.0792	0.197127
<i>Rfxank</i>	chr8:70130811-70139197	11.5898	10.8664	-0.0930	0.300427
<i>Gm22305</i>	chr8:86671235-86671343	9.3836	11.9977	0.3545	0.610675
<i>Galns</i>	chr8:122578237-122611487	11.9944	11.1107	-0.1104	0.435347
<i>Sc5d</i>	chr9:42254176-42264300	20.5635	19.1032	-0.1063	0.435313
<i>Lctf</i>	chr9:64117146-64138118	0.3383	0.4226	0.3208	0.461685
<i>NA</i>	chr9:104084156-104102560	1.4317	1.5891	0.1505	0.559150
<i>Gm24044</i>	chr9:120128779-120128935	59.4566	63.1450	0.0868	0.477085
<i>4933407K13Rik</i>	chrX:75706931-75764699	1.0659	1.1474	0.1063	0.500031
<i>Sox10</i>	chr15:79154912-79164490	0.3019	0.3737	0.3078	0.394667
<i>Ep300</i>	chr15:81586213-81652077	11.5116	12.2011	0.0839	0.698907
<i>Nisch</i>	chr14:31170929-31216946	19.6722	18.6494	-0.0770	0.369365
<i>Sod2</i>	chr17:13007838-13018119	14.1976	13.4081	-0.0825	0.231877
<i>Angptl4</i>	chr17:33773749-33781575	2.3034	2.4948	0.1151	0.568037
<i>Kank3</i>	chr17:33810519-33822918	2.5971	2.7595	0.0875	0.279767
<i>Lclat1</i>	chr17:73107984-73243368	5.7265	6.0440	0.0778	0.657145
<i>Lrch3</i>	chr16:32914099-33015647	28.6044	29.1265	0.0261	0.412788
<i>Gm17106</i>	chr16:32985853-33108601	14.9009	15.9112	0.0946	0.208609
<i>Gm16310</i>	chr16:92094567-92096490	2.0154	2.2966	0.1884	0.402344
<i>NA</i>	chr19:8772521-8774467	55.0384	51.6442	-0.0918	0.319097
<i>Ric1</i>	chr19:29522281-29606829	10.2191	10.5266	0.0428	0.592256
<i>Lipo1</i>	chr19:33517739-33761951	0.6641	0.7554	0.1858	0.467345
<i>Rab23</i>	chr1:33719881-33742564	0.9422	1.0188	0.1127	0.507300
<i>Raph1</i>	chr1:60483190-60567104	0.5778	0.6920	0.2602	0.638385
<i>Igsf8</i>	chr1:172261640-172319841	1.7104	1.8478	0.1114	0.581660
<i>Srp9</i>	chr1:182124736-182132407	25.7750	27.4267	0.0896	0.599553
<i>1700066B19Rik</i>	chr18:35703224-35730869	1.2130	1.3460	0.1501	0.452387
<i>Gm27026</i>	chr18:52472847-52473739	1.6283	1.8915	0.2162	0.396427
<i>Tubb6</i>	chr18:67390716-67402748	2.1685	1.8906	-0.1979	0.418273
<i>Pigt</i>	chr2:164497519-164508301	9.1490	8.4775	-0.1100	0.468889
<i>Mrps21</i>	chr3:95862633-95871519	15.8526	16.9584	0.0973	0.602994
<i>Hist2h3c1</i>	chr3:96246684-96248509	0.6632	0.5418	-0.2918	0.156777
<i>Fam73a</i>	chr3:152273458-152340407	4.6968	4.9300	0.0699	0.616034
<i>Tmem67</i>	chr4:12039354-12090020	0.4561	0.3898	-0.2264	0.513547
<i>Fbxl4</i>	chr4:22357542-22434091	8.4307	8.8884	0.0763	0.637610
<i>Aqp3</i>	chr4:41092721-41098183	7.9269	7.2094	-0.1369	0.471150
<i>Slc44a1</i>	chr4:53440412-53622478	4.2807	4.0021	-0.0971	0.355955
<i>Suz12</i>	chr11:79993105-80034123	31.6025	29.9047	-0.0797	0.328517
<i>Tpp1</i>	chr7:105744846-105752207	6.8828	7.1914	0.0633	0.599075
<i>Plip</i>	chr8:94674894-94696242	0.6417	0.5250	-0.2896	0.184531
<i>Gm16156</i>	chr8:105934332-105945843	3.9749	4.4808	0.1728	0.559619
<i>Mbtps1</i>	chr8:119508155-119558761	42.7825	40.7889	-0.0688	0.255763
<i>Plxna3</i>	chrX:74329065-74344689	0.4461	0.3890	-0.1977	0.350347
<i>Gm26621</i>	chr15:68334714-68337430	1.1836	0.9828	-0.2681	0.566749
<i>Fam117b</i>	chr1:59913005-59985346	16.2472	15.3290	-0.0839	0.386652
<i>Gm16026</i>	chr1:85266697-85285491	0.2828	0.3415	0.2720	0.540597

<i>lws1</i>	chr18:32067733-32104331	23.5840	24.1423	0.0338	0.572396
<i>Pex11b</i>	chr3:96635375-96653101	4.3771	4.5542	0.0572	0.501155
<i>Ak5</i>	chr3:152462814-152668140	0.6361	0.5392	-0.2384	0.235323
<i>Pnpt1</i>	chr11:29130743-29161828	32.9624	34.2488	0.0552	0.641190
<i>Mgat4b</i>	chr11:50210889-50235103	2.4868	2.2353	-0.1538	0.399789
<i>2610507101Rik</i>	chr11:59199835-59202385	7.9108	7.2692	-0.1220	0.281492
<i>Rpl26</i>	chr11:68901582-68906989	133.2189	116.7101	-0.1909	0.449617
<i>Med11</i>	chr11:70451918-70453727	34.5351	36.1838	0.0673	0.606533
<i>Rph3al</i>	chr11:75830998-75938429	1.1244	1.2325	0.1324	0.437283
<i>Ccdc55</i>	chr11:77044291-77078435	10.1349	10.7904	0.0904	0.650027
<i>Zfp385c</i>	chr11:100627542-100692455	0.9871	0.8379	-0.2364	0.469626
<i>Milr1</i>	chr11:106751225-106768794	5.0042	4.5947	-0.1232	0.322903
<i>Tmx1</i>	chr12:70453094-70468040	24.3369	22.7966	-0.0943	0.388871
<i>Slirp</i>	chr12:87443895-87452206	37.3320	38.2997	0.0369	0.550740
<i>Gm16086</i>	chr12:107079359-107099673	3.5239	4.1492	0.2357	0.409399
<i>Hist1h4i</i>	chr13:22040815-22041352	7.0886	6.1426	-0.2067	0.452696
<i>2010111101Rik</i>	chr13:63014933-63326096	12.6642	11.8301	-0.0983	0.462074
<i>Slc6a19os</i>	chr13:73699825-73709850	1.2541	1.0252	-0.2907	0.473597
<i>1700109H08Rik</i>	chr5:3571565-3584356	11.9630	12.8649	0.1049	0.569180
<i>Poln</i>	chr5:34007197-34169448	0.7026	0.8041	0.1947	0.449977
<i>Gm20033</i>	chr5:64708206-64804117	4.7146	5.0649	0.1034	0.587459
<i>Rfc3</i>	chr5:151642755-151651242	3.9565	4.1433	0.0665	0.424716
<i>Lrrc4</i>	chr6:28661830-28831747	0.8617	0.9578	0.1525	0.503813
<i>3110062M04Rik</i>	chr6:34871770-34878060	5.4773	5.7406	0.0677	0.594635
<i>Vamp5</i>	chr6:72368048-72380468	3.1097	3.3898	0.1244	0.455044
<i>Mical3</i>	chr6:120931706-121003153	0.3230	0.2773	-0.2200	0.396567
<i>Chd4</i>	chr6:125095980-125130591	87.7633	84.0096	-0.0631	0.171785
<i>9630033F20Rik</i>	chr6:127085115-127109550	5.6684	5.2735	-0.1042	0.324965
<i>Zfp606</i>	chr7:12478292-12496235	6.1816	5.7939	-0.0935	0.383188
<i>Gm15567</i>	chr7:27249262-27257932	1.8610	2.0328	0.1274	0.406951
<i>Fam83e</i>	chr7:45721211-45729492	0.6326	0.5410	-0.2255	0.390972
<i>Blm</i>	chr7:80454992-80535119	6.3353	5.9027	-0.1020	0.415561
<i>Tnfrsf23</i>	chr7:143665808-143685872	0.3444	0.2784	-0.3071	0.342647
<i>Whsc1l1</i>	chr8:25601600-25719667	22.2348	22.9874	0.0480	0.670378
<i>D130040H23Rik</i>	chr8:69300775-69303162	9.0280	9.5622	0.0829	0.490185
<i>Hsd1l</i>	chr8:119561978-119575200	38.5910	36.3056	-0.0881	0.389682
<i>Stt3a</i>	chr9:36731274-36767679	19.3420	19.7778	0.0321	0.551489
<i>Ccdc15</i>	chr9:37275834-37348392	4.5420	4.8178	0.0850	0.620397
<i>Enox2</i>	chrX:49009706-49288259	5.5919	5.8547	0.0663	0.545391
<i>Tfcp2</i>	chr15:100502798-100552008	4.6968	4.9440	0.0740	0.571702
<i>Gm22877</i>	chr14:103650452-103650557	25.5453	21.1545	-0.2721	0.539169
<i>Gm16702</i>	chr17:8379044-8389468	0.3988	0.4859	0.2850	0.537044
<i>D930048G16Rik</i>	chr17:23790703-23794241	1.9068	1.6837	-0.1795	0.296465
<i>Clpp</i>	chr17:56990263-56996371	21.0161	21.9426	0.0622	0.542089
<i>Osbp11</i>	chr16:33185070-33243311	17.2443	16.3426	-0.0775	0.263288
<i>Atp6v1a</i>	chr16:44085401-44139705	10.1657	9.6081	-0.0814	0.229438
<i>Klf21b</i>	chr1:136131388-136177998	61.5388	57.4513	-0.0992	0.509208
<i>Prg4</i>	chr1:150449411-150466165	4.6225	4.3185	-0.0982	0.163441
<i>Psmb7</i>	chr2:38588035-38644087	52.2567	54.6916	0.0657	0.628756
<i>Tanc1</i>	chr2:59612041-59846149	10.6227	10.1216	-0.0697	0.256954
<i>Ragef4os3</i>	chr2:72244964-72248975	1.9522	2.1628	0.1478	0.661503
<i>Ola1</i>	chr2:73092800-73218924	20.7586	21.6303	0.0593	0.616274
<i>4631405J19Rik</i>	chr2:93027955-93044732	0.7241	0.8177	0.1753	0.468585
<i>Gm13910</i>	chr2:108948779-108950727	1.8497	2.0610	0.1561	0.468652
<i>Plcb2</i>	chr2:118707516-118728438	28.8274	29.4424	0.0305	0.635937
<i>Snrpb2</i>	chr2:143063038-143072853	20.6496	21.6174	0.0661	0.625333
<i>Slpi</i>	chr2:164354069-164389095	1.2283	1.4225	0.2117	0.398893
<i>Gm14320</i>	chr2:167662108-167667697	1.6921	1.4147	-0.2583	0.276671
<i>Rbm38</i>	chr2:173020497-173034734	34.3109	31.7826	-0.1104	0.527386
<i>Pip5k1a</i>	chr3:95058529-95106930	16.2346	16.6809	0.0391	0.507915
<i>Tgs1</i>	chr4:3574874-3616619	7.2939	7.6149	0.0621	0.599238
<i>Ndufaf4</i>	chr4:24898082-24905001	11.1832	10.4035	-0.1043	0.440623
<i>Hyi</i>	chr4:118359989-118362744	8.0021	8.3375	0.0592	0.394680
<i>4930535I16Rik</i>	chr4:123917503-123918022	3.8672	4.5027	0.2195	0.527537
<i>Znhit6</i>	chr3:145576207-145605245	3.8567	3.4857	-0.1459	0.457426
<i>Shq1</i>	chr6:100573080-100671157	5.0592	5.3346	0.0764	0.422024
<i>Mpv17l</i>	chr16:13903160-13949619	0.2553	0.1930	-0.4034	0.452198
<i>Gm17388</i>	chr4:136355773-136359440	3.9571	3.5431	-0.1594	0.555370
<i>Map3k5</i>	chr10:19934471-20142753	12.8994	13.3720	0.0519	0.658063
<i>Ikzf1</i>	chr11:11685002-11772926	104.2825	99.5576	-0.0669	0.267822
<i>Gm5431</i>	chr11:48887421-48902152	0.4730	0.5524	0.2239	0.542293

<i>Hist3h2bb-ps</i>	chr11:58954047-58954512	7.3736	8.2972	0.1702	0.541701
<i>Usp22</i>	chr11:61151784-61175055	19.0345	18.1068	-0.0721	0.241290
<i>Gm22068</i>	chr11:87426715-87426879	19.0981	16.3770	-0.2218	0.479758
<i>Nfe2l1</i>	chr11:96817413-96829968	16.2671	15.3104	-0.0874	0.399894
<i>Cdk12</i>	chr11:98203058-98278504	21.9870	22.5228	0.0347	0.630666
<i>Fmn1</i>	chr11:103171106-103198901	35.0253	32.6261	-0.1024	0.514563
<i>Pcbd2</i>	chr13:55727367-55776830	12.6241	13.5464	0.1017	0.441973
<i>Fam126a</i>	chr5:23915275-24030690	6.6856	6.2912	-0.0877	0.372660
<i>Atg9b</i>	chr5:24384180-24392143	0.3592	0.2925	-0.2966	0.400717
<i>Lrrc8d</i>	chr5:105699968-105832436	1.5067	1.6087	0.0945	0.635627
<i>Ccdc64</i>	chr5:115648174-115731621	20.8103	21.4645	0.0447	0.632065
<i>Trafd1</i>	chr5:121371724-121385632	14.0270	14.5519	0.0530	0.663741
<i>Mepce</i>	chr5:137781905-137786715	30.6704	28.8963	-0.0860	0.408843
<i>Mbd4</i>	chr6:115840696-115853371	5.7959	5.4372	-0.0922	0.280739
<i>Fam21</i>	chr6:116208032-116262668	44.4452	42.1363	-0.0770	0.303545
<i>Zscan18</i>	chr7:12768091-12775658	1.8482	1.9941	0.1096	0.484727
<i>Rps16</i>	chr7:28350651-28352696	4.0328	3.4930	-0.2073	0.381444
<i>Tbcb</i>	chr7:30224130-30232272	14.8830	15.6567	0.0731	0.589400
<i>Gm12764</i>	chr7:34388664-34394779	27.1336	28.6213	0.0770	0.558716
<i>Prss8</i>	chr7:127925724-127930113	1.3029	1.1126	-0.2277	0.354718
<i>Tma16</i>	chr8:66474329-66486530	4.2090	4.4169	0.0696	0.536804
<i>Lphn1</i>	chr8:83900104-83941954	7.0822	6.6217	-0.0970	0.453850
<i>Man2b1</i>	chr8:85083268-85098739	42.3729	40.2435	-0.0744	0.336649
<i>Atp5l</i>	chr9:44913249-44920742	2.6050	2.1607	-0.2698	0.248157
<i>Gm20425</i>	chr9:103190207-103230307	6.9743	7.2421	0.0544	0.458779
<i>Fam213a</i>	chr14:40993739-41013788	2.0290	1.8002	-0.1726	0.503445
<i>Sap18</i>	chr14:57798179-57804980	9.0523	8.4478	-0.0997	0.389004
<i>Gm16301</i>	chr14:59414071-59414636	2.1581	1.7239	-0.3241	0.400499
<i>Dpysl2</i>	chr14:66802863-66868688	21.3948	20.2625	-0.0784	0.339469
<i>Srrm2</i>	chr17:23803186-23824739	66.1542	70.6050	0.0939	0.707322
<i>Gm23442</i>	chr17:35162562-35162696	10.9412	9.1289	-0.2613	0.147229
<i>Cul9</i>	chr17:46500571-46546388	1.5350	1.6574	0.1107	0.649001
<i>Gm26637</i>	chr17:78882041-78892500	3.2214	3.4705	0.1074	0.588975
<i>Dtl</i>	chr1:191537364-191575534	1.5369	1.6772	0.1260	0.609579
<i>Slc39a6</i>	chr18:24579880-24603817	11.9415	11.1740	-0.0958	0.435558
<i>Atg12</i>	chr18:46732416-46741579	24.1459	24.9395	0.0467	0.598168
<i>Gm28042</i>	chr2:120027482-120043033	3.5080	3.2778	-0.0979	0.356210
<i>Spag4</i>	chr2:156065174-156070617	0.2293	0.1825	-0.3291	0.391574
<i>Gon4l</i>	chr3:88835230-88910103	12.7117	12.9657	0.0285	0.512673
<i>Impad1</i>	chr4:4762483-4793355	15.7265	14.9199	-0.0760	0.272036
<i>Spata21</i>	chr4:141088332-141112760	0.2478	0.3141	0.3419	0.462144
<i>Morn1</i>	chr4:155086576-155145505	0.3775	0.4312	0.1922	0.358233
<i>Pdap1</i>	chr5:145128768-145140238	21.6576	22.7511	0.0711	0.642729
<i>Gm16575</i>	chr15:79739573-79741798	28.2089	29.3420	0.0568	0.623553
<i>Actr1a</i>	chr19:46376813-46395735	52.0130	49.5302	-0.0706	0.224385
<i>Nmnat2</i>	chr1:152955100-153119260	3.3711	3.6378	0.1099	0.653839
<i>Rgs14</i>	chr13:55369731-55384687	44.6034	42.3359	-0.0753	0.286836
<i>Arlgip5</i>	chr6:97210688-97233315	136.6651	129.3709	-0.0791	0.296992
<i>Sepw1</i>	chr7:15917207-15922402	78.5426	84.4033	0.1038	0.662873
<i>Pgap2</i>	chr7:102210207-102238567	6.7251	6.2958	-0.0952	0.356588
<i>Ankrd37</i>	chr8:45996901-45999867	4.9742	4.4071	-0.1746	0.524399
<i>Phkb</i>	chr8:85840958-86061376	5.9586	6.1738	0.0512	0.614237
<i>Dnmt1</i>	chr9:20907205-20959888	48.9257	49.8509	0.0270	0.627916
<i>Parp2</i>	chr14:50807945-50821300	38.8361	36.6044	-0.0854	0.337862
<i>Prr22</i>	chr17:56770275-56772134	0.6192	0.7490	0.2746	0.372881
<i>Vamp4</i>	chr1:162570514-162599084	10.9023	11.3374	0.0565	0.581672
<i>Mtfr1l</i>	chr4:134525549-134535387	15.8401	15.0548	-0.0734	0.193386
<i>Rnf126</i>	chr10:79758514-79766952	15.6185	14.2968	-0.1276	0.543650
<i>Shmt2</i>	chr10:127517122-127522444	45.9216	47.5792	0.0512	0.646752
<i>Rhbdd3</i>	chr11:5098925-5106093	2.6457	2.4066	-0.1367	0.260367
<i>Wdpcp</i>	chr11:21572234-21898989	0.1710	0.2080	0.2826	0.527814
<i>Asb3</i>	chr11:30954394-31102704	7.6949	7.2013	-0.0957	0.352245
<i>Snx11</i>	chr11:96767554-96777559	9.7035	9.0299	-0.1038	0.478093
<i>Zfyve21</i>	chr12:111814169-111828388	3.6453	3.2606	-0.1609	0.262817
<i>Serpinh9</i>	chr13:33003249-33017957	13.8858	14.5323	0.0657	0.647429
<i>4930451E10Rik</i>	chr13:55775135-55784505	1.2629	1.5547	0.2999	0.613921
<i>Tmem9b</i>	chr7:109735833-109752875	51.4948	48.7731	-0.0783	0.284781
<i>Fam175b</i>	chr7:132859224-132885114	11.0499	11.3691	0.0411	0.541262
<i>Psmd7</i>	chr8:107580380-107588482	24.6988	23.0987	-0.0966	0.390890
<i>Arsa</i>	chr15:89472475-89477425	5.0185	4.6995	-0.0947	0.128704
<i>Thoc6</i>	chr17:23668613-23673882	8.7706	8.0728	-0.1196	0.414009

<i>D17Wsu104e</i>	chr17:56175743-56183920	15.0225	14.0981	-0.0916	0.273323
<i>2310009B15Rik</i>	chr1:138851978-138856854	5.8129	5.0455	-0.2043	0.445258
<i>Rab22a</i>	chr2:173659759-173707343	9.1515	8.6897	-0.0747	0.198736
<i>Map9</i>	chr3:82358071-82395268	0.2312	0.1917	-0.2700	0.223634
<i>Fgr</i>	chr4:132974094-133001910	2.1506	2.3209	0.1100	0.592277
<i>Gm15674</i>	chr1:130422823-130437914	9.1482	9.7765	0.0958	0.662923
<i>Gm11281</i>	chr13:21953052-21953628	2.4881	2.0702	-0.2653	0.289499
<i>Cstf2</i>	chrX:134059186-134086819	13.8081	14.0748	0.0276	0.412813
<i>Tspyl1</i>	chr10:34282189-34284885	40.5809	38.1568	-0.0889	0.392127
<i>Gm24119</i>	chr10:91118290-91118536	259.2891	234.7269	-0.1436	0.578092
<i>Prr15l</i>	chr11:96928103-96937830	0.5155	0.5848	0.1819	0.289812
<i>Slc10a1</i>	chr12:80953184-80968079	6.9451	6.2809	-0.1450	0.488914
<i>Aaed1</i>	chr13:64291835-64312710	38.8901	35.2372	-0.1423	0.526775
<i>Exoc3</i>	chr13:74169804-74208700	22.9053	23.4663	0.0349	0.522143
<i>Ran</i>	chr5:129020068-129024323	31.4366	29.2921	-0.1019	0.432593
<i>Trim24</i>	chr6:37870810-37966296	8.3727	8.6680	0.0500	0.656434
<i>Bid</i>	chr6:120891929-120916853	9.5616	9.0049	-0.0866	0.258518
<i>Fosb</i>	chr7:19302720-19310045	0.4315	0.4964	0.2022	0.376107
<i>Mctp2</i>	chr7:72077831-72306595	26.0771	26.8389	0.0415	0.648194
<i>Sbf2</i>	chr7:110308012-110614922	0.2216	0.2538	0.1957	0.552469
<i>Bola2</i>	chr7:126695400-126697058	43.1613	48.3554	0.1639	0.543935
<i>Ypel3</i>	chr7:126776954-126780514	34.3967	31.9838	-0.1049	0.500317
<i>Cnpt</i>	chr8:105844677-105852008	8.9419	9.4004	0.0721	0.556719
<i>Acsf3</i>	chr8:122775504-122817880	3.4750	3.1524	-0.1406	0.376486
<i>Zfp202</i>	chr9:40192315-40213604	2.8046	2.9777	0.0864	0.605135
<i>Cln6</i>	chr9:62838784-62852006	3.2587	3.4846	0.0967	0.516361
<i>Fyco1</i>	chr9:123789509-123851899	16.2427	16.8996	0.0572	0.691554
<i>Slc38a1</i>	chr15:96571417-96642913	24.7380	23.2374	-0.0903	0.478804
<i>A330035P11Rik</i>	chr14:122103429-122106974	2.5623	2.8069	0.1315	0.611604
<i>Capn15</i>	chr17:25959555-25985680	3.6504	3.3521	-0.1230	0.406593
<i>Cebpz</i>	chr17:78919005-78937070	40.9305	42.1208	0.0414	0.604965
<i>4930562C15Rik</i>	chr16:4835415-4867691	0.3547	0.2913	-0.2843	0.530860
<i>1700021K19Rik</i>	chr16:32821702-32877766	3.8348	3.9658	0.0484	0.474162
<i>Dopey2</i>	chr16:93711906-93810585	9.8281	10.3391	0.0731	0.688161
<i>Etf1</i>	chr18:34902784-34932007	59.8798	61.6910	0.0430	0.591088
<i>Rabepk</i>	chr2:34777555-34799912	7.9491	8.2391	0.0517	0.591365
<i>Dhx35</i>	chr2:158794806-158858214	7.3666	7.5846	0.0421	0.500685
<i>Wdr47</i>	chr3:108591278-108645719	6.2905	5.8722	-0.0993	0.373183
<i>Trp53inp1</i>	chr4:11156430-11174379	99.7442	94.5597	-0.0770	0.327823
<i>Thrap3</i>	chr4:126164081-126202760	28.9542	29.4021	0.0221	0.491953
<i>Gda</i>	chr19:21391306-21473445	0.1029	0.1417	0.4613	0.657593
<i>Sertad3</i>	chr7:27473767-27477359	11.8097	12.8148	0.1178	0.630765
<i>Dnase2a</i>	chr8:84908559-84922915	1.2647	1.3636	0.1087	0.496762
<i>Gm24846</i>	chr7:104264682-104264790	23.9414	20.5046	-0.2236	0.422090
<i>S100a9</i>	chr3:90692631-90695721	9.3608	12.8336	0.4552	0.594614
<i>Atg4a</i>	chrX:140956906-141164270	5.7744	6.0841	0.0754	0.572345
<i>Ryr3</i>	chr2:112631354-113217096	0.2510	0.2718	0.1150	0.430696
<i>A1504432</i>	chr3:107039503-107054347	28.8654	26.9397	-0.0996	0.497122
<i>Rmdn1</i>	chr4:19575161-19606932	6.5197	6.0169	-0.1158	0.290934
<i>Gm12265</i>	chr11:60240809-60241930	3.8262	3.1608	-0.2757	0.490533
<i>Nup88</i>	chr11:70943057-70969973	14.1639	14.4493	0.0288	0.451634
<i>Pafah1b1</i>	chr11:74673948-74724670	42.5664	40.2781	-0.0797	0.380116
<i>Rasl11b</i>	chr5:74195295-74199478	0.9219	1.0758	0.2227	0.519123
<i>Gm15473</i>	chr6:17058805-17064996	1.0007	0.8221	-0.2837	0.142084
<i>Hpgds</i>	chr6:65117292-65144908	1.2382	1.3397	0.1137	0.318287
<i>Prcp</i>	chr7:92875252-92934573	4.1709	4.4475	0.0926	0.541690
<i>Pgrmc1</i>	chrX:36598205-36606079	20.9188	21.5150	0.0405	0.540560
<i>Gm26724</i>	chr17:27201031-27203071	5.8695	5.3299	-0.1391	0.435594
<i>Pglyrp2</i>	chr17:32413099-32424167	51.1967	48.8132	-0.0688	0.146171
<i>Ppp1r18</i>	chr17:35865592-35875596	34.5379	32.4346	-0.0906	0.431981
<i>Gm5499</i>	chr17:87078262-87080230	0.6304	0.4937	-0.3526	0.488177
<i>Vwa3b</i>	chr1:37026595-37076996	1.5226	1.3041	-0.2235	0.470992
<i>Fam166a</i>	chr2:25218744-25222280	2.5837	2.8521	0.1426	0.200161
<i>5330438D12Rik</i>	chr10:116581280-116583515	5.8334	5.4155	-0.1072	0.229363
<i>Mrps24</i>	chr11:5703982-5715680	24.4074	22.2210	-0.1354	0.529593
<i>Foxn3</i>	chr12:99194979-99450111	14.4863	15.1611	0.0657	0.673707
<i>Slc6a19</i>	chr13:73679744-73704865	18.1061	16.4515	-0.1383	0.601354
<i>Abhd1</i>	chr5:30950065-30955091	12.9119	13.5448	0.0690	0.558514
<i>lft81</i>	chr5:122550203-122614518	0.5838	0.4927	-0.2447	0.403337
<i>Pitpnm2os1</i>	chr5:124229724-124237137	0.9431	0.7821	-0.2701	0.367990
<i>Gm9047</i>	chr6:29471436-29473465	1.2467	1.5031	0.2698	0.250136

<i>Gimap7</i>	chr6:48718620-48724636	103.0237	95.8023	-0.1048	0.488960
<i>Cd69</i>	chr6:129267323-129275369	100.0659	103.1615	0.0440	0.667724
<i>Tacc1</i>	chr8:25154551-25201449	39.5418	40.2451	0.0254	0.625136
<i>Khd3</i>	chr9:73101835-73104443	0.9999	1.1631	0.2181	0.603822
<i>Sgsm3</i>	chr15:80977764-81012289	1.9649	1.7935	-0.1317	0.350059
<i>Pibf1</i>	chr14:99099432-99254493	9.4875	9.8814	0.0587	0.596434
<i>Rin1</i>	chr19:5050807-5057071	0.2471	0.1975	-0.3231	0.331192
<i>Ide</i>	chr19:37268742-37337852	17.8918	18.2248	0.0266	0.512812
<i>Pdzd8</i>	chr19:59296083-59345780	22.8591	23.5747	0.0445	0.662197
<i>Gm6085</i>	chr1:4687933-4689403	13.2269	12.2218	-0.1140	0.411832
<i>Gm16286</i>	chr18:80206764-80212741	43.3615	41.2340	-0.0726	0.233620
<i>Rc3h2</i>	chr2:37370068-37422903	17.7585	16.8383	-0.0768	0.366646
<i>Prcc</i>	chr3:87858899-87885608	21.2737	22.4046	0.0747	0.673142
<i>A930002121Rik</i>	chr3:107090879-107098401	16.5174	15.2432	-0.1158	0.453802
<i>lft74</i>	chr4:94614490-94693229	2.8740	3.1280	0.1222	0.594245
<i>Gm17029</i>	chr4:148960296-148984671	2.4416	2.5610	0.0689	0.494136
<i>Rpa1</i>	chr11:75298165-75348324	42.7665	40.7896	-0.0683	0.230343
<i>Nucks1</i>	chr1:131910457-131936321	51.1969	52.2844	0.0303	0.614657
<i>Slc25a46</i>	chr18:31580167-31609902	22.1829	22.8617	0.0435	0.614164
<i>Nipsnap3b</i>	chr4:53011879-53022060	16.0845	16.6017	0.0457	0.455407
<i>Katnal1</i>	chr5:148874331-148995223	0.6584	0.5992	-0.1360	0.324007
<i>Gm23455</i>	chr9:15316488-15316588	341.2305	354.0697	0.0533	0.598572
<i>Spock2</i>	chr10:60106218-60135198	0.6978	0.7843	0.1687	0.655522
<i>Rufy2</i>	chr10:62980222-63017210	13.9052	14.2562	0.0360	0.615144
<i>Pcsk4</i>	chr10:80321282-80329498	0.9934	1.1028	0.1507	0.480070
<i>Pan2</i>	chr10:128303334-128321358	13.0747	12.4482	-0.0708	0.116393
<i>Cabp7</i>	chr11:4736891-4746778	3.8052	4.0120	0.0764	0.438348
<i>Phykp1</i>	chr11:51584756-51604489	24.0930	24.6882	0.0352	0.639743
<i>Sap30l</i>	chr11:57801636-57810217	20.8340	19.2823	-0.1117	0.428544
<i>Gm11201</i>	chr11:79023596-79031057	2.2464	2.6187	0.2212	0.503957
<i>Map3k14</i>	chr11:103219761-103267472	12.5512	11.7869	-0.0906	0.469833
<i>D11Wsu47e</i>	chr11:113684411-113694647	9.2149	8.5734	-0.1041	0.380491
<i>Ddx1</i>	chr12:13219307-13249213	38.4124	39.3329	0.0342	0.530363
<i>Immp2l</i>	chr12:41024089-41955588	1.4570	1.2694	-0.1989	0.249519
<i>Rdh12</i>	chr12:79208913-79222665	2.7352	2.4963	-0.1318	0.359235
<i>Npc2</i>	chr12:84754559-84773112	126.1229	117.2923	-0.1047	0.504115
<i>Ociad1</i>	chr5:73292793-73314077	42.3220	40.0544	-0.0794	0.345132
<i>Cox18</i>	chr5:90214723-90224001	10.0558	10.4273	0.0523	0.485405
<i>Sdad1</i>	chr5:92284009-92310024	24.4845	24.9510	0.0272	0.509619
<i>Arpc3</i>	chr5:122391877-122406179	78.8896	83.2026	0.0768	0.672178
<i>Nudt1</i>	chr5:140331859-140338137	6.3202	6.6946	0.0830	0.532001
<i>Epha1</i>	chr6:42358486-42373268	2.4228	2.6203	0.1131	0.623191
<i>Tia1</i>	chr6:86404218-86433403	13.0320	13.3231	0.0319	0.626499
<i>Arpc4</i>	chr6:113378112-113390448	76.1012	72.2116	-0.0757	0.319677
<i>Zfp112</i>	chr7:24112313-24127952	0.7711	0.8462	0.1341	0.432717
<i>Sirt2</i>	chr7:28766734-28788665	11.0811	11.6176	0.0682	0.643324
<i>Kdelr1</i>	chr7:45872771-45883731	18.0020	16.9563	-0.0863	0.261116
<i>Mttr10</i>	chr7:64287652-64340407	2.7601	2.8703	0.0565	0.563340
<i>Asb7</i>	chr7:66644564-66689596	4.2975	4.4746	0.0582	0.561853
<i>Hras</i>	chr7:141189104-141194005	7.2311	6.7537	-0.0986	0.360054
<i>Cklf</i>	chr8:104250902-104264936	7.9906	7.4433	-0.1024	0.242867
<i>Fam96b</i>	chr8:104639838-104641965	23.4005	24.6009	0.0722	0.605380
<i>Fbxl8</i>	chr8:105264647-105269326	7.8176	7.2462	-0.1095	0.398761
<i>Piezo1</i>	chr8:122481697-122551329	10.3288	9.6578	-0.0969	0.500875
<i>4930581F22Rik</i>	chr9:35116727-35130922	20.4376	19.4333	-0.0727	0.230026
<i>Csk</i>	chr9:57626646-57645653	102.7005	97.5566	-0.0741	0.322504
<i>NA</i>	chr9:108104964-108118343	0.8950	0.7543	-0.2467	0.535265
<i>Fbxl2</i>	chr9:113963636-114046191	4.9667	4.5264	-0.1339	0.547166
<i>Gm9083</i>	chrX:20239468-20240287	1.0512	1.2688	0.2715	0.477172
<i>Zfp280c</i>	chrX:48541624-48594504	8.9105	9.4289	0.0816	0.683144
<i>Tmsb15l</i>	chrX:136954987-136976869	7.7157	6.7131	-0.2008	0.542569
<i>Ribc1</i>	chrX:152004581-152016295	1.2229	1.3852	0.1798	0.310883
<i>Lynx1</i>	chr15:74747855-74752979	1.4004	1.5031	0.1022	0.418147
<i>NA</i>	chr15:75979871-75982285	8.2518	8.6044	0.0604	0.542275
<i>Mpst</i>	chr15:78406711-78414002	11.4139	10.2597	-0.1538	0.546820
<i>Gxylt1</i>	chr15:93239741-93275161	4.8768	4.5581	-0.0975	0.433282
<i>Gm26660</i>	chr14:25355800-25378635	0.3738	0.4470	0.2581	0.400860
<i>Ndrq2</i>	chr14:51905270-51913488	6.9366	7.3583	0.0852	0.602810
<i>Scaf8</i>	chr17:3114971-3198855	29.6673	30.5765	0.0436	0.677975
<i>Rpl10a</i>	chr17:28328470-28331032	34.3750	32.7132	-0.0715	0.261445
<i>4930451G09Rik</i>	chr16:4968935-4978962	0.7346	0.8566	0.2217	0.512936

<i>Klhl24</i>	chr16:20097553-20127744	34.1498	32.5403	-0.0697	0.208029
<i>Gm15953</i>	chr16:38512564-38514296	1.6531	1.8346	0.1503	0.469623
<i>Mgea5</i>	chr19:45750260-45783520	89.5967	90.6772	0.0173	0.429086
<i>Eif3a</i>	chr19:60761115-60790693	102.5391	105.8907	0.0464	0.655554
<i>Fhl2</i>	chr1:43123073-43163961	4.0147	3.6090	-0.1537	0.425978
<i>Lancl1</i>	chr1:67000516-67038872	9.9646	9.3844	-0.0866	0.363616
<i>Usp37</i>	chr1:74435509-74544286	16.8829	15.8915	-0.0873	0.428228
<i>Dbi</i>	chr1:120113279-120121078	21.9259	19.8201	-0.1457	0.561104
<i>Tpr</i>	chr1:150392837-150449935	84.8006	86.5678	0.0298	0.609640
<i>BC034090</i>	chr1:155212473-155232724	0.3527	0.2722	-0.3736	0.567167
<i>Prrc2c</i>	chr1:162670724-162740556	39.8916	41.8337	0.0686	0.714326
<i>Sdhc</i>	chr1:171127164-171150603	15.2239	14.2727	-0.0931	0.400105
<i>Tmem63a</i>	chr1:180942343-180975112	11.8063	11.0634	-0.0938	0.440229
<i>Thoc1</i>	chr18:9958179-9995484	31.0549	32.0321	0.0447	0.625458
<i>Cxc1</i>	chr18:74216130-74221491	32.6463	33.9249	0.0554	0.670048
<i>Rpl17</i>	chr18:75000476-75003381	23.2013	21.4184	-0.1154	0.408471
<i>Dym</i>	chr18:75018771-75286966	11.9314	12.4190	0.0578	0.602823
<i>BC029214</i>	chr2:25455140-25461094	19.7242	18.5345	-0.0897	0.310958
<i>Zc3h15</i>	chr2:83644434-83664622	34.7698	35.8483	0.0441	0.601882
<i>Gm17096</i>	chr2:166943538-166944308	4.2316	3.7186	-0.1864	0.243495
<i>Gpr160</i>	chr3:30855949-30897192	2.1229	1.9451	-0.1262	0.360972
<i>Proser1</i>	chr3:53463665-53481755	2.5635	2.3622	-0.1180	0.399057
<i>Mrpl9</i>	chr3:94443317-94451130	23.7838	22.4782	-0.0815	0.302430
<i>Tyw3</i>	chr3:154576519-154597104	2.4903	2.3042	-0.1120	0.169632
<i>Trim14</i>	chr4:46494818-46536141	13.2825	13.8227	0.0575	0.657710
<i>Tmem245</i>	chr4:56866922-56947437	5.2216	5.4800	0.0697	0.704719
<i>A1314180</i>	chr4:58798910-58912749	10.0947	10.4120	0.0447	0.659946
<i>Mier1</i>	chr4:103114389-103165754	19.5134	19.9638	0.0329	0.591437
<i>Txndc12</i>	chr4:108834600-108862127	17.2078	18.0377	0.0679	0.645803
<i>Gm12977</i>	chr4:133871829-133876533	12.2391	11.3818	-0.1048	0.196178
<i>Mknk2</i>	chr10:80665331-80671976	101.9242	96.3619	-0.0810	0.399413
<i>Slc25a35</i>	chr11:68968130-68974365	1.2428	1.3749	0.1457	0.559617
<i>Gm21988</i>	chr11:70235205-70239830	20.6850	21.9971	0.0887	0.662745
<i>Gm11737</i>	chr11:118204711-118205179	9.6304	8.4607	-0.1868	0.498644
<i>Sap25</i>	chr5:137641333-137642902	20.3099	18.9992	-0.0962	0.429388
<i>Zfp566</i>	chr7:30077336-30090527	4.8454	4.4436	-0.1249	0.195685
<i>Gm12774</i>	chr7:34383658-34384074	5.1176	4.3743	-0.2264	0.361005
<i>Ddias</i>	chr7:92857528-92874213	1.6972	1.4924	-0.1855	0.547371
<i>Clpb</i>	chr7:101663632-101790168	4.3002	4.0629	-0.0819	0.195079
<i>Ctbp2</i>	chr7:132987562-133124354	0.3362	0.2888	-0.2191	0.287443
<i>Gins4</i>	chr8:23226609-23237668	29.5093	30.4559	0.0456	0.563226
<i>Rbm5</i>	chr9:107740370-107770996	37.6324	38.2424	0.0232	0.634027
<i>Nlgn3</i>	chrX:101299167-101325963	0.0706	0.0873	0.3058	0.275179
<i>Sh3bgr1</i>	chrX:109095364-109197873	13.0752	12.2481	-0.0943	0.411022
<i>Slc45a4</i>	chr15:73577423-73645762	2.2022	2.0050	-0.1354	0.557211
<i>Mrps16</i>	chr14:20391230-20393555	50.7646	46.8756	-0.1150	0.451021
<i>Sod1</i>	chr16:90220741-90226322	98.6933	103.3349	0.0663	0.645991
<i>Aff3</i>	chr1:38177325-38664955	20.0998	18.8815	-0.0902	0.485922
<i>Gm12353</i>	chr4:19605450-19651130	7.8425	6.9494	-0.1744	0.449262
<i>Bsdc1</i>	chr4:129461580-129488498	12.1071	11.4899	-0.0755	0.288178
<i>Sebox</i>	chr11:78503448-78505081	0.6785	0.8147	0.2640	0.403206
<i>Gbp8</i>	chr5:105014152-105139540	51.3286	53.4384	0.0581	0.678220
<i>Pum1</i>	chr4:130663320-130781564	28.0541	26.7599	-0.0681	0.303667
<i>Rgs10</i>	chr7:128373620-128418758	87.9247	91.5814	0.0588	0.656941
<i>Chaf1a</i>	chr17:56040415-56068026	3.0398	3.2617	0.1016	0.637506
<i>Commdb8</i>	chr5:72156999-72168183	33.1534	31.2507	-0.0853	0.390010
<i>Gm12316</i>	chr11:70611211-70613211	8.7880	9.8367	0.1626	0.602670
<i>Myo19</i>	chr11:84880147-84911226	1.4515	1.5591	0.1032	0.653241
<i>Psmc1</i>	chr12:100110185-100123364	51.3132	53.1453	0.0506	0.632959
<i>Zfp68</i>	chr5:138604615-138619761	26.6797	27.5956	0.0487	0.619347
<i>Trpv6</i>	chr6:41620620-41636405	0.6826	0.5784	-0.2389	0.389661
<i>G6pdx</i>	chrX:74409482-74429194	13.8511	14.2513	0.0411	0.560851
<i>Reps1</i>	chr10:18055860-18125155	15.5555	15.9581	0.0369	0.669940
<i>Gm13154</i>	chr4:147553276-147585198	0.5817	0.5664	-0.3499	0.513669
<i>Vwa7</i>	chr17:35016578-35026741	0.2875	0.3365	0.2272	0.390273
<i>Camkk2</i>	chr5:122731172-122779410	7.5987	7.1805	-0.0817	0.240227
<i>D10Wsu102e</i>	chr10:83360220-83368835	23.3927	22.3482	-0.0659	0.028483
<i>Dixdc1</i>	chr9:50662751-50739517	0.2317	0.2661	0.1995	0.604877
<i>Trex1</i>	chr9:109057932-109060338	32.1543	33.3270	0.0517	0.648918
<i>Ddr1</i>	chr17:35681566-35704621	1.0047	0.8943	-0.1680	0.458351
<i>Tnfrsf21</i>	chr17:43016554-43089188	0.4918	0.5736	0.2221	0.603616

<i>Ehbp1</i>	chr11:22005827-22342292	0.1647	0.2000	0.2798	0.576457
<i>Sft2d3</i>	chr18:31909093-31911903	9.4782	9.7660	0.0432	0.339772
<i>Chst12</i>	chr5:140505549-140525724	4.5750	4.9275	0.1071	0.634805
<i>Mxd1</i>	chr6:86647043-86669159	6.1616	5.7128	-0.1091	0.499209
<i>Trappc6a</i>	chr7:19508669-19516145	17.1269	15.8904	-0.1081	0.434303
<i>S1pr2</i>	chr9:20965951-20976793	2.2523	2.0422	-0.1412	0.294796
<i>Snord14d</i>	chr9:40803994-40804080	97.5692	86.5530	-0.1728	0.526574
<i>Hexa</i>	chr9:59539666-59565105	28.6187	29.4612	0.0419	0.610855
<i>Plxnb1</i>	chr9:109095435-109119911	0.2550	0.2181	-0.2254	0.451436
<i>Smpd5</i>	chr15:76294433-76296896	16.1064	16.8719	0.0670	0.663129
<i>Nckap1l</i>	chr15:103453824-103498800	103.3682	99.2833	-0.0582	0.100055
<i>Pou4f1</i>	chr14:104462319-104467991	0.1937	0.2370	0.2910	0.402923
<i>4930594M22Rik</i>	chr14:122913029-122937469	1.3837	1.4929	0.1097	0.601123
<i>Zfp40</i>	chr17:23173868-23193252	4.6799	4.2823	-0.1281	0.532773
<i>Tb13</i>	chr17:24697948-24707660	9.4515	8.9024	-0.0864	0.344918
<i>Boll</i>	chr1:55248657-55363469	2.9567	3.2146	0.1207	0.619710
<i>Api5</i>	chr2:94411681-94438136	34.8740	33.0271	-0.0785	0.353066
<i>Zmpste24</i>	chr4:121059236-121098241	8.1164	8.3033	0.0328	0.513075
<i>Gm10689</i>	chr8:25454272-25454704	1.4680	1.8319	0.3195	0.454714
<i>Gm5970</i>	chr18:60220842-60222058	1.0879	0.7820	-0.4763	0.620681
<i>Tbc1d32</i>	chr10:56014297-56228689	1.3100	1.4061	0.1021	0.602643
<i>Ggt5</i>	chr10:75589380-75616968	3.9596	3.6619	-0.1128	0.406224
<i>Tmpo</i>	chr10:91147570-91171582	39.6983	40.6026	0.0325	0.632783
<i>Bcl6b</i>	chr11:70224127-70229798	0.6897	0.5988	-0.2039	0.419381
<i>Gm10840</i>	chr11:106160849-106161158	6.3201	5.3405	-0.2430	0.464164
<i>2610035D17Rik</i>	chr11:113043894-113201838	8.6360	9.0319	0.0647	0.564967
<i>Wbp2</i>	chr11:116078572-116086995	10.9666	11.5020	0.0688	0.664429
<i>Kidins220</i>	chr12:24974931-25059697	46.1899	47.2062	0.0314	0.683740
<i>F730043M19Rik</i>	chr12:33111710-33147597	0.5526	0.6237	0.1744	0.608424
<i>Dcaf5</i>	chr12:80335846-80436601	19.3403	19.7590	0.0309	0.635849
<i>Ttlf5</i>	chr12:85824658-86061893	1.8114	1.8727	0.0480	0.559049
<i>Mir3068</i>	chr12:87437681-87437817	26.8085	23.7464	-0.1750	0.313469
<i>Trip11</i>	chr12:101834042-101913267	23.7489	24.2899	0.0325	0.657720
<i>Mirlet7d</i>	chr13:48536011-48536114	17.8003	14.7187	-0.2742	0.514160
<i>Gm16125</i>	chr13:74340538-74340877	7.1625	6.1268	-0.2253	0.423176
<i>Slbp</i>	chr5:33634951-33652574	17.6473	16.6165	-0.0868	0.388610
<i>Hist4h4</i>	chr6:136801552-136804431	15.0348	17.0556	0.1819	0.554720
<i>B230216G23Rik</i>	chr6:142413440-142419730	0.5965	0.4769	-0.3230	0.466420
<i>Ap2s1</i>	chr7:16738409-16749294	39.4652	37.0779	-0.0900	0.415821
<i>B9d2</i>	chr7:25681157-25686558	6.1235	5.5607	-0.1391	0.301914
<i>B230322F03Rik</i>	chr7:35555366-35556935	2.8869	2.5475	-0.1804	0.468143
<i>Lins</i>	chr7:66689888-66717256	2.4370	2.5580	0.0699	0.545872
<i>Cd151</i>	chr7:141467361-141471479	8.0898	8.4427	0.0616	0.552404
<i>Fbxw9</i>	chr8:85060054-85067124	1.1308	1.2356	0.1279	0.440088
<i>Vps26b</i>	chr9:27004502-27030094	26.4576	25.2630	-0.0667	0.272445
<i>Kirrel3</i>	chr9:34486125-35036716	0.5343	0.4501	-0.2472	0.512328
<i>Rps27l</i>	chr9:66946085-66949516	25.3077	27.0526	0.0962	0.668028
<i>Abhd5</i>	chr9:122351607-122381524	3.6128	3.8028	0.0739	0.553621
<i>Fam50a</i>	chrX:74313032-74320149	15.6756	14.6487	-0.0977	0.421039
<i>Gm650</i>	chrX:155304198-155305749	0.9970	1.1667	0.2268	0.574039
<i>Cdpf1</i>	chr15:85806971-85811697	14.8959	13.8319	-0.1069	0.368051
<i>Styx</i>	chr14:45351472-45373585	2.0086	2.3781	0.2437	0.551424
<i>Gm26778</i>	chr14:102978219-102982528	3.2140	3.4562	0.1048	0.665926
<i>NA</i>	chr14:102978219-102982528	3.2140	3.4562	0.1048	0.665926
<i>Btnl7-ps</i>	chr17:34532876-34547651	1.4982	1.2979	-0.2071	0.423120
<i>NA</i>	chr16:18923072-18925657	2.8763	2.5272	-0.1867	0.057423
<i>Gm25395</i>	chr1:87776937-87777209	598.3317	549.9833	-0.1216	0.558223
<i>AA543186</i>	chr2:25327449-25332571	1.0689	0.9036	-0.2423	0.337269
<i>Casc4</i>	chr2:121866969-121936220	7.7804	8.0712	0.0529	0.595104
<i>Taf4a</i>	chr2:179912145-179976646	8.7684	8.2191	-0.0933	0.462287
<i>Gpr89</i>	chr3:96868280-96905346	6.2100	5.7353	-0.1147	0.528018
<i>Gm15602</i>	chr3:103902526-103902963	3.7633	4.2900	0.1890	0.369399
<i>Cd52</i>	chr4:134082447-134095082	723.8481	756.2005	0.0631	0.690460
<i>Ece1</i>	chr4:137862236-137965229	6.8884	6.5139	-0.0807	0.245522
<i>Atcay</i>	chr10:81204507-81230833	0.2375	0.2893	0.2846	0.567120
<i>PPP2r3d</i>	chr9:124422621-124424154	4.7091	5.3773	0.1914	0.543260
<i>Gm11131</i>	chr17:35377020-35380292	48.2687	45.7511	-0.0773	0.367403
<i>Tnik</i>	chr3:28263213-28675858	20.6840	19.8462	-0.0597	0.164678
<i>Katna1</i>	chr10:7725999-7763150	31.4894	32.4512	0.0434	0.617194
<i>1700001K19Rik</i>	chr12:110667688-110682619	1.0931	0.8821	-0.3094	0.324542
<i>Eef2k</i>	chr7:120842830-120907219	4.0489	4.2089	0.0559	0.616492

<i>Alg9</i>	chr9:50775018-50843542	5.0230	5.2372	0.0602	0.602409
<i>Trim15</i>	chr17:36860692-36867210	1.0456	0.8672	-0.2699	0.494020
<i>Eml4</i>	chr17:83350930-83480361	34.9235	35.5563	0.0259	0.576966
<i>Trim44</i>	chr2:102300118-102407828	25.9070	26.5427	0.0350	0.654610
<i>1110032F04Rik</i>	chr3:68869585-68872163	1.5341	1.3640	-0.1696	0.334338
<i>Rpl27</i>	chr11:101442297-101445529	12.7354	11.8123	-0.1086	0.400124
<i>Ikbkg</i>	chrX:74393289-74453854	15.2908	14.5587	-0.0708	0.269815
<i>Med12</i>	chrX:101274029-101297465	34.7545	32.9424	-0.0773	0.440260
<i>Trib1</i>	chr15:59648349-59656550	0.3826	0.3289	-0.2183	0.343020
<i>Csnk2b</i>	chr17:35116195-35122053	42.0047	44.0175	0.0675	0.681338
<i>Gm20939</i>	chr17:94873985-94877497	3.6963	4.0101	0.1176	0.590519
<i>Ube2l3</i>	chr16:17152012-17202649	8.5865	8.8108	0.0372	0.571211
<i>Alg5</i>	chr3:54735538-54751127	9.6616	9.9324	0.0399	0.539196
<i>Ssbp2</i>	chr13:91460282-91703429	6.8199	7.0045	0.0386	0.602863
<i>Hvcn1</i>	chr5:122206803-122242297	54.3857	51.5796	-0.0764	0.348448
<i>Gm24814</i>	chr16:8738320-8738390	26.7629	31.1232	0.2178	0.571115
<i>Zfp217</i>	chr2:170108642-170148103	31.3217	29.9461	-0.0648	0.291178
<i>Nup37</i>	chr10:88146991-88178388	10.5742	11.0061	0.0578	0.426202
<i>Tex261</i>	chr6:83768880-83775812	21.5275	22.0094	0.0319	0.603186
<i>Mpp1</i>	chrX:75109732-75131016	12.0580	11.3770	-0.0839	0.372882
<i>Nmi</i>	chr2:51948486-51973494	40.7794	42.5398	0.0610	0.669209
<i>Gm12942</i>	chr4:127123690-127129644	7.4256	6.8532	-0.1157	0.464821
<i>Dna2</i>	chr10:62947025-62974185	0.6432	0.7235	0.1698	0.678515
<i>Pip5k1b</i>	chr19:24294793-24555872	0.2069	0.1634	-0.3409	0.324993
<i>Cep290</i>	chr10:100488288-100573655	1.0452	1.1108	0.0878	0.559032
<i>Mrpl10</i>	chr11:97041559-97049213	30.8963	31.9575	0.0487	0.654069
<i>Osbp17</i>	chr11:97050627-97068904	6.9478	6.4923	-0.0978	0.493738
<i>Nkiras2</i>	chr11:100619243-100627607	7.6928	7.9789	0.0527	0.614295
<i>Pecam1</i>	chr11:106654216-106750628	51.9151	52.8224	0.0250	0.621111
<i>Zfp125</i>	chr12:20899821-20900867	6.6483	7.2971	0.1343	0.567930
<i>Wdr86</i>	chr5:24711737-24730727	0.5907	0.6557	0.1506	0.515502
<i>Ugdh</i>	chr5:65413201-65435946	4.4355	4.5689	0.0428	0.509779
<i>Tmf1</i>	chr6:97155265-97179124	46.1237	43.8800	-0.0719	0.303953
<i>Gm20457</i>	chr7:64337549-64345964	4.8902	5.4037	0.1441	0.584633
<i>Homer3</i>	chr8:70282826-70294361	6.6439	6.2170	-0.0958	0.354915
<i>Ist1</i>	chr8:109671321-109693294	59.1179	56.4630	-0.0663	0.222929
<i>Herc1</i>	chr9:66350449-66508775	28.2889	26.9942	-0.0676	0.325719
<i>Srpb</i>	chr9:103188032-103202137	12.0430	11.4214	-0.0765	0.282654
<i>Rad54l2</i>	chr9:106688081-106789213	9.0094	8.5264	-0.0795	0.412888
<i>Gm6285</i>	chrX:104947784-104948282	1.3975	1.7295	0.3075	0.446022
<i>Bhlhb9</i>	chrX:135885850-135891081	9.0290	8.5155	-0.0845	0.139864
<i>Trmt12</i>	chr15:58872648-58876781	5.7277	5.9294	0.0499	0.532307
<i>Prkag1</i>	chr15:98812797-98831508	73.7617	75.4016	0.0317	0.578109
<i>Il3ra</i>	chr14:14346494-14355490	2.1207	2.4226	0.1920	0.630944
<i>Xpo4</i>	chr14:57581001-57665430	11.6100	10.9003	-0.0910	0.458591
<i>Atp6v0e</i>	chr17:26676395-26699644	19.9383	18.8373	-0.0820	0.338333
<i>Ranbp3</i>	chr17:56673224-56711769	45.5885	46.5394	0.0298	0.651488
<i>Gm26158</i>	chr19:60775520-60775639	12.2528	14.4699	0.2399	0.602614
<i>Pikfyve</i>	chr1:65186749-65274012	17.3194	16.3701	-0.0813	0.403230
<i>Zfp516</i>	chr18:82910878-83005314	1.3644	1.2323	-0.1469	0.524075
<i>Agps</i>	chr2:75832176-75931350	15.6360	14.8238	-0.0770	0.370696
<i>Vapb</i>	chr2:173737510-173784336	7.5068	7.1364	-0.0730	0.118585
<i>Hax1</i>	chr3:89995456-89998686	7.0136	7.5260	0.1017	0.546978
<i>Abca1</i>	chr4:53030786-53159895	7.3165	7.7637	0.0856	0.712432
<i>Gm12799</i>	chr4:102046567-102049127	0.5197	0.6080	0.2264	0.433151
<i>Spata6</i>	chr4:111719983-111829184	13.3617	13.7020	0.0363	0.551707
<i>Med18</i>	chr4:132458730-132463921	7.1648	6.5401	-0.1316	0.491535
<i>Zfp593</i>	chr4:134243288-134245592	10.9703	11.4887	0.0666	0.612270
<i>Fuca2</i>	chr10:13499539-13519035	4.9692	4.6095	-0.1084	0.486736
<i>Slc36a3os</i>	chr11:55137043-55140193	5.2997	4.4898	-0.2393	0.489183
<i>Bcas3</i>	chr11:85353166-85826058	9.5952	8.9936	-0.0934	0.482997
<i>Ppp1r9b</i>	chr11:94991034-95006899	56.0839	58.2393	0.0544	0.710973
<i>Fam195b</i>	chr11:120542887-120549727	22.8433	21.2502	-0.1043	0.470662
<i>Bdp1</i>	chr13:100017993-100104070	25.5035	26.1985	0.0388	0.640507
<i>Bhlha15</i>	chr5:144190285-144194441	1.0482	0.9155	-0.1953	0.512660
<i>Prss2</i>	chr6:41521786-41525079	2.0075	2.2648	0.1740	0.281090
<i>Trbj1-7</i>	chr6:41535641-41535686	123.2979	109.7649	-0.1677	0.442261
<i>Apobec1</i>	chr6:122577791-122602444	8.0960	8.5318	0.0757	0.667172
<i>Tfpt</i>	chr7:3620323-3629929	15.3781	14.1718	-0.1179	0.502536
<i>Rnf121</i>	chr7:102019136-102065469	5.4703	5.1298	-0.0927	0.295440
<i>Pdzd9</i>	chr7:120659295-120670343	2.2812	2.0173	-0.1774	0.428918

Gm10311	chr8:69373527-69373914	3.6641	4.1706	0.1868	0.267616
Ogfod1	chr8:94037197-94067921	6.7270	6.9266	0.0422	0.519399
Gm8730	chr8:102864778-102865853	0.8461	0.6824	-0.3102	0.226043
Smco4	chr9:15505486-15545260	3.5687	3.1654	-0.1730	0.376834
Zpr1	chr9:46273063-46282643	26.5269	25.1864	-0.0748	0.313994
Mns1	chr9:72438528-72458574	11.3975	10.5014	-0.1181	0.500810
Cmc1	chr9:118064528-118150196	16.1729	16.7297	0.0488	0.384058
Gm15232	chrX:167088092-167102090	3.4512	3.6766	0.0913	0.591404
Zfp41	chr15:75616678-75625300	1.5886	1.6955	0.0939	0.516814
Rps24	chr14:24490680-24496146	912.7198	1024.6432	0.1669	0.548796
H2-Eb1	chr17:34305882-34316199	2.7969	3.1274	0.1612	0.662300
Tfg	chr16:56690331-56717450	15.5216	16.0922	0.0521	0.591916
Pigp	chr16:94358762-94371015	12.1557	11.3565	-0.0981	0.368985
Gcnt1	chr19:17326140-17356667	0.1295	0.1673	0.3698	0.558701
4833407H14Rik	chr19:53460630-53462723	5.7589	6.2990	0.1293	0.691488
Psmc14	chr2:61711693-61800376	34.6876	35.5531	0.0356	0.616911
Dnajc19	chr3:34056019-34081321	10.4677	10.8289	0.0489	0.588658
Clk2	chr3:89164794-89176921	20.0000	19.1142	-0.0654	0.220493
Tuft1	chr3:94612756-94658872	1.8246	1.6386	-0.1551	0.418534
Pde4b	chr4:102087542-102607259	13.6104	13.8904	0.0294	0.619522
Gm13038	chr4:143152571-143153030	6.0133	6.5857	0.1312	0.313195
Mrops26	chr2:130563741-130568695	9.6140	9.0609	-0.0855	0.334942
Pcsk1	chr13:75089825-75132498	2.2956	1.8015	-0.3497	0.552222
Atn1	chr6:124739188-124756524	24.0541	25.3812	0.0775	0.694960
Tmsb15b2	chrX:136955264-136975497	11.2353	9.8283	-0.1930	0.558273
Fndc3a	chr14:72537945-72710003	10.1697	10.4143	0.0343	0.631212
Tcp1	chr17:12915700-12925067	69.0288	65.1715	-0.0830	0.444483
Stk38	chr17:28970884-29007945	48.0372	49.0016	0.0287	0.676425
Bdh1	chr16:31422279-31458901	14.0173	13.2458	-0.0817	0.351819
Slc20a1	chr2:129198763-129211616	56.9812	54.2566	-0.0707	0.368468
Ift52	chr2:163017353-163046141	13.2058	12.5013	-0.0791	0.252416
mt-Ts2	chrM:11612-11671	19.1892	15.7577	-0.2842	0.378747
Dph5	chr3:115888172-115929332	44.1543	45.2664	0.0359	0.657844
Gm24468	chr4:101186763-101186867	16.0740	18.3463	0.1908	0.440011
Utp11l	chr4:124678159-124693600	9.0787	8.3807	-0.1154	0.489669
Thumpd1	chr7:119715095-119720765	45.3436	46.4694	0.0354	0.636954
Ranbp3l	chr15:8968425-9066551	0.4636	0.3853	-0.2668	0.333516
Ppp6r2	chr15:89253034-89286261	17.1118	16.1827	-0.0805	0.384492
Ints8	chr4:11199157-11254258	9.2890	9.5009	0.0325	0.588907
Rgp1	chr4:43578714-43587487	9.0969	9.3784	0.0440	0.680623
Best4-ps	chr4:117145256-117148637	0.5535	0.6640	0.2626	0.307897
Adamts14	chr10:61197111-611273438	0.6127	0.5378	-0.1882	0.404213
Gm12264	chr11:59775285-59780321	11.5578	10.3906	-0.1536	0.406553
Sh3yl1	chr12:30911667-30960162	0.4127	0.3367	-0.2937	0.402415
Gm15440	chr13:51685528-51701041	4.4665	4.8902	0.1307	0.647994
Zc3hav1	chr6:38305285-38354603	115.0803	117.5507	0.0306	0.703629
Mcee	chr7:64392644-64412121	6.3133	6.7876	0.1045	0.433293
Nmb	chr7:80902226-80905076	4.7400	4.2140	-0.1697	0.313497
Ears2	chr7:122037212-122067263	6.1891	5.7841	-0.0976	0.428440
Bbs2	chr8:94067953-94098811	6.8081	7.1005	0.0607	0.606002
Cox4i1	chr8:120668221-120674207	111.2167	103.6906	-0.1011	0.517090
Fbxo32	chr15:58175878-58214892	7.8359	8.0903	0.0461	0.645430
Z310061I04Rik	chr17:35892676-35897431	3.6489	3.8564	0.0798	0.503603
NA	chr1:133619870-133661380	36.5935	37.6131	0.0396	0.688681
Gm2000	chr1:156366039-156366484	15.6696	12.1925	-0.3620	0.467742
Mir1981	chr1:184822406-184822488	14.6908	12.0068	-0.2911	0.459270
Tmem203	chr2:25255438-25256352	9.0719	9.7003	0.0966	0.604730
Al182371	chr2:35084045-35101543	0.9961	1.1180	0.1666	0.361289
Arl6ip6	chr2:53191725-53219220	7.7386	8.0563	0.0580	0.584430
Gm25184	chr2:181512549-181512712	6.1045	7.7993	0.3535	0.690452
Vps72	chr3:95111021-95123051	10.7120	11.1479	0.0575	0.639532
Gm17529	chr12:58953094-58968011	1.9967	1.8277	-0.1275	0.051875
Cep120	chr18:53681723-53744547	22.6973	21.6812	-0.0661	0.262311
1700113A16Rik	chr3:88171559-88177785	10.2573	9.3142	-0.1391	0.526056
Lmbr1	chr5:29229813-29378390	0.7960	0.8637	0.1177	0.463801
Gltp	chr5:114669402-114690984	31.0128	32.3439	0.0606	0.683267
Smarca4	chr9:21616168-21704230	34.0840	35.2399	0.0481	0.710714
Gm5867	chr5:69461150-69461741	1.5038	1.1425	-0.3964	0.561301
A530054K11Rik	chr13:67617000-67637791	12.2798	12.6401	0.0417	0.630238
Zfp692	chr11:58307068-58314627	16.2964	15.3593	-0.0854	0.321709
Rab35	chr5:115631928-115647736	37.2337	35.3614	-0.0744	0.366425

<i>Immt</i>	chr6:71831330-71875257	35.6984	34.1616	-0.0635	0.220678
<i>Nsmce1</i>	chr7:125467639-125491596	34.1113	31.7355	-0.1042	0.483034
<i>Zc3h12b</i>	chrX:95711677-95932637	1.4695	1.3634	-0.1081	0.351793
<i>Tmem141</i>	chr2:25620066-25622005	3.0735	2.7462	-0.1624	0.260661
<i>E130218I03Rik</i>	chr4:134243661-134245873	10.0772	10.5817	0.0705	0.630454
<i>Hgs</i>	chr11:120467634-120483984	13.5312	14.0388	0.0531	0.659069
<i>Rpp25l</i>	chr4:41712032-41713534	15.4377	14.1465	-0.1260	0.465434
<i>Plk3</i>	chr4:117128654-117133963	4.8362	4.4645	-0.1154	0.385783
<i>Dbnl</i>	chr11:5788487-5800962	79.2617	81.7027	0.0438	0.697215
<i>Syne2</i>	chr12:75818133-76110926	3.0187	2.8741	-0.0708	0.255563
<i>Lgals8</i>	chr13:12439414-12464944	29.5788	30.1777	0.0289	0.635509
<i>Trbv5</i>	chr6:41062358-41062803	41.5787	44.0700	0.0840	0.672790
<i>Kbtbd8</i>	chr6:95117239-95129718	7.3075	6.8660	-0.0899	0.391396
<i>Creld1</i>	chr6:113483296-113493338	1.5486	1.4009	-0.1447	0.425350
<i>Zfp422</i>	chr6:116624015-116628999	7.7102	7.2451	-0.0898	0.327522
<i>Wdr11</i>	chr7:129591862-129635738	6.8908	7.0370	0.0303	0.635341
<i>Arl2bp</i>	chr8:94666754-94674417	65.0587	62.2509	-0.0636	0.196977
<i>Wwp2</i>	chr8:107436397-107558594	17.7343	16.7799	-0.0798	0.410364
<i>Pdzd2</i>	chr15:12357053-12592556	0.2774	0.3087	0.1543	0.619632
<i>Haus4</i>	chr14:54541784-54554361	19.5487	18.4719	-0.0817	0.256570
<i>Tfb1m</i>	chr17:3519262-3557713	10.1546	9.4265	-0.1073	0.299581
<i>Mtprs34</i>	chr17:24895115-24897502	23.8855	22.3262	-0.0974	0.468939
<i>Itpr3os</i>	chr17:27099657-27101440	11.5298	10.5772	-0.1244	0.410429
<i>Ccdc116</i>	chr16:17139063-17147229	1.2051	1.0644	-0.1791	0.522598
<i>Vps13a</i>	chr19:16616762-16780822	54.9452	52.0239	-0.0788	0.453459
<i>9430016H08Rik</i>	chr1:57406327-57417953	4.3607	4.0516	-0.1061	0.372502
<i>Ufc1</i>	chr1:171288562-171295024	21.9522	20.4179	-0.1045	0.479146
<i>Secisbp2l</i>	chr2:125736985-125782870	14.8238	15.0760	0.0243	0.587902
<i>Gm10254</i>	chr3:54810563-54811250	1.4787	1.1732	-0.3339	0.467560
<i>Gne</i>	chr4:44034074-44084177	9.0277	9.2627	0.0371	0.587908
<i>NA</i>	chr4:136343974-136345981	7.1160	6.5821	-0.1125	0.463075
<i>Gm25939</i>	chr1:72255007-72255198	22.8156	17.4349	-0.3880	0.546994
<i>Golga5</i>	chr12:102469133-102497902	35.2798	35.8188	0.0219	0.554499
<i>Rpl39</i>	chrX:37082519-37085402	185.9543	163.5056	-0.1856	0.529982
<i>Mtus2</i>	chr5:147957319-148316065	0.1077	0.2484	1.2054	0.363238
<i>Kcnp4</i>	chr5:48389501-49524904	0.3765	0.4317	0.1974	0.401444
<i>Ap1g1</i>	chr8:109778553-109861358	19.3565	19.7779	0.0311	0.643290
<i>Nipsnap1</i>	chr11:4873950-4894200	10.6992	11.0788	0.0503	0.564859
<i>Gm11970</i>	chr11:6446217-6446537	6.8538	7.9238	0.2093	0.583717
<i>Gm11769</i>	chr11:120150561-120152341	3.0555	2.7186	-0.1686	0.511397
<i>Hip1r</i>	chr5:123973627-124003211	22.5165	21.2387	-0.0843	0.471792
<i>Diap2</i>	chrX:129749741-130465834	4.4769	4.6812	0.0644	0.705850
<i>Taok2</i>	chr7:126865677-126884703	13.6266	13.8670	0.0252	0.633627
<i>Gipc1</i>	chr8:83652677-83664788	13.5701	12.6134	-0.1055	0.476608
<i>Gm23969</i>	chr2:26911260-26911334	13.1994	15.8829	0.2670	0.590708
<i>Atxn2</i>	chr5:121711336-121816493	5.0258	5.2492	0.0628	0.682651
<i>Srpk1</i>	chr17:28587647-28622521	49.4194	50.2022	0.0227	0.635776
<i>Tmem14a</i>	chr1:21218574-21230167	1.4671	1.6564	0.1751	0.586514
<i>Helz2</i>	chr2:181227614-181242027	23.1749	24.0352	0.0526	0.735372
<i>Paqr7</i>	chr4:134496696-134510235	17.2317	16.3221	-0.0782	0.371634
<i>Snord104</i>	chr11:106500992-106501062	94.6634	84.2835	-0.1676	0.534493
<i>Atg10</i>	chr13:90935348-91223987	4.7279	4.9832	0.0759	0.395494
<i>Tlhc1</i>	chr8:119760586-119778416	5.2379	5.4684	0.0621	0.553772
<i>Myo6</i>	chr9:80165030-80311729	1.5158	1.6432	0.1164	0.693077
<i>2610318N02Rik</i>	chr16:17113398-17125106	1.3694	1.5684	0.1958	0.588082
<i>Gm15711</i>	chr16:43312593-43313128	2.8066	3.2256	0.2007	0.485495
<i>Smarcb1</i>	chr10:75896768-75921617	7.3528	6.9079	-0.0900	0.484236
<i>6530409C15Rik</i>	chr6:28215554-28260862	7.4466	7.8075	0.0683	0.598529
<i>Aph1b</i>	chr9:66775201-66795490	0.1599	0.1950	0.2859	0.460891
<i>Ehd1</i>	chr19:6276724-6300096	24.4659	22.9746	-0.0907	0.505470
<i>Marveld1</i>	chr19:42147399-42151695	10.6792	10.1006	-0.0804	0.214475
<i>Stmn1</i>	chr4:134468319-134473843	1.3269	1.4846	0.1620	0.541555
<i>Gm26571</i>	chr12:83950689-83951355	10.4427	9.4083	-0.1505	0.506947
<i>Zfp712</i>	chr13:67038593-67061170	7.4642	6.9764	-0.0975	0.445120
<i>Ankib1</i>	chr5:3689999-3803109	37.0552	37.7582	0.0271	0.596072
<i>Znhit1</i>	chr5:136982163-136988021	7.9161	8.4957	0.1019	0.680219
<i>Gm15545</i>	chr7:44986899-44994597	8.9946	9.3096	0.0497	0.460416
<i>Phrf1</i>	chr7:141228783-141262750	21.1748	20.0659	-0.0776	0.454805
<i>Arrdc2</i>	chr8:70835154-70839720	8.0421	8.4263	0.0673	0.662398
<i>Exosc7</i>	chr9:123113214-123136129	19.6989	18.6814	-0.0765	0.146534
<i>Vav3</i>	chr3:109340652-109685698	5.1755	5.3369	0.0443	0.522194

<i>Rab32</i>	chr10:10545010-10558233	3.1144	3.2965	0.0820	0.502159
<i>Gm26577</i>	chr10:21145093-21154374	4.9173	5.1814	0.0755	0.645418
<i>Dse</i>	chr10:34151393-34207551	15.2141	14.4020	-0.0791	0.385121
<i>Ccdc162</i>	chr10:41538845-41709300	0.8915	0.8020	-0.1525	0.448911
<i>Slc29a3</i>	chr10:60712071-60752794	2.1760	2.3335	0.1008	0.698301
<i>Ado</i>	chr10:67544511-67548955	18.2050	17.4363	-0.0622	0.020148
<i>Pcnt</i>	chr10:76351253-76442912	24.7448	23.5805	-0.0695	0.419291
<i>Ppap2c</i>	chr10:79526429-79533787	0.3953	0.4795	0.2789	0.413979
<i>Matk</i>	chr10:81252934-81263365	10.3135	9.5940	-0.1043	0.539873
<i>4930404N11Rik</i>	chr10:81363066-81365816	3.0381	2.7577	-0.1397	0.391217
<i>Arl1</i>	chr10:88730857-88744094	14.2090	13.3653	-0.0883	0.359784
<i>Ikbip</i>	chr10:91082939-91102607	0.3313	0.3743	0.1762	0.458588
<i>Cep83</i>	chr10:94688789-94790336	17.1969	17.7300	0.0440	0.641812
<i>Cnot2</i>	chr10:116485160-116581511	53.5882	55.0001	0.0375	0.677946
<i>Zc3h10</i>	chr10:128541962-128547774	9.7707	10.0195	0.0363	0.585919
<i>Tbc1d10a</i>	chr11:4186788-4215505	12.8103	12.0959	-0.0828	0.355241
<i>Gm11960</i>	chr11:4561779-4564637	0.6500	0.5590	-0.2176	0.405651
<i>Znrf3</i>	chr11:5276323-5444847	7.2285	6.8819	-0.0709	0.311523
<i>Gm12042</i>	chr11:21295559-21295860	2.5250	3.1109	0.3011	0.493207
<i>Chac2</i>	chr11:30976706-30986350	3.2314	3.5330	0.1287	0.606608
<i>Cyfp2</i>	chr11:46193849-46312859	34.0744	35.4420	0.0568	0.728064
<i>Hnrnpab</i>	chr11:51600099-51606847	120.6894	124.5506	0.0454	0.702738
<i>Slc22a5</i>	chr11:53864541-53891660	5.5100	5.1036	-0.1105	0.477203
<i>Gm12227</i>	chr11:54728676-54734323	7.9922	8.6762	0.1185	0.529102
<i>Mfap4</i>	chr11:61485430-61488900	0.4393	0.3533	-0.3144	0.287927
<i>Tvp23b</i>	chr11:62879454-62916780	10.6637	10.0029	-0.0923	0.367813
<i>Ctdnep1</i>	chr11:69981155-69990601	12.7558	12.0151	-0.0863	0.357154
<i>Gsg2</i>	chr11:73135484-73138294	12.7020	11.8903	-0.0953	0.501796
<i>Emc6</i>	chr11:73175518-73177037	30.1445	27.8836	-0.1125	0.549795
<i>Slfn2</i>	chr11:83065111-83070678	222.7463	226.4556	0.0238	0.664653
<i>Tada2a</i>	chr11:84078919-84129600	3.1285	2.8843	-0.1172	0.349949
<i>Srsf1</i>	chr11:88047372-88053755	137.2911	131.5663	-0.0614	0.242154
<i>Acsf2</i>	chr11:94557101-94601871	2.4034	2.1929	-0.1322	0.480016
<i>D030028A08Rik</i>	chr11:96916269-96965060	6.8795	6.4960	-0.0827	0.422291
<i>Gpr179</i>	chr11:97332108-97352077	0.1073	0.0863	-0.3144	0.535430
<i>Gm12356</i>	chr11:98682920-98683415	5.3865	6.1026	0.1801	0.492407
<i>Naglu</i>	chr11:101070011-101077672	8.4058	8.7639	0.0602	0.696080
<i>Tmub2</i>	chr11:102284930-102289237	17.9984	18.5080	0.0403	0.664963
<i>Gm17541</i>	chr12:4689401-4689926	1.9949	2.3649	0.2454	0.572170
<i>Rock2</i>	chr12:16894977-16988274	19.9655	20.5058	0.0385	0.684532
<i>Pik3cg</i>	chr12:32173472-32208659	13.7324	14.0991	0.0380	0.720852
<i>Gm17024</i>	chr12:40209486-40211073	5.5092	4.9246	-0.1618	0.341458
<i>Cfl2</i>	chr12:54858816-54862877	14.3779	13.4403	-0.0973	0.496498
<i>Zc2hc1c</i>	chr12:85288590-85299358	0.4450	0.4972	0.1599	0.498537
<i>Ppp1r13b</i>	chr12:111828457-111908055	12.9492	12.3277	-0.0710	0.330051
<i>Mplkip</i>	chr13:17695412-17699105	17.0618	17.6291	0.0472	0.663308
<i>Hist1h2bm</i>	chr13:21722097-21722478	16.4280	17.9055	0.1242	0.707835
<i>Serpinb1a</i>	chr13:32842091-32851185	0.8269	0.9342	0.1760	0.413370
<i>Klf13a</i>	chr13:46749086-46929718	0.6297	0.6972	0.1468	0.664204
<i>Cam1</i>	chr13:55623004-55632411	16.6173	17.0696	0.0387	0.556236
<i>Mir3074-1</i>	chr13:63301179-63301296	14.6357	16.6757	0.1883	0.561053
<i>Cdc14b</i>	chr13:64192544-64274973	7.8303	7.4062	-0.0803	0.438905
<i>Gm10767</i>	chr13:66904913-66909236	1.9158	2.0874	0.1238	0.509799
<i>Smn1</i>	chr13:100124851-100137690	4.9113	5.2479	0.0956	0.671040
<i>Rbm48</i>	chr5:3583977-3596585	13.5963	14.0828	0.0507	0.634707
<i>Gtpbp10</i>	chr5:5537453-5559538	2.3687	2.4942	0.0745	0.662220
<i>Lias</i>	chr5:65391496-65410693	7.5371	7.7668	0.0433	0.619712
<i>Gm15981</i>	chr5:74316565-74317029	1.5693	1.9136	0.2862	0.570156
<i>Paics</i>	chr5:76951306-76967509	47.6420	48.8711	0.0367	0.653388
<i>1700028K03Rik</i>	chr5:107508943-107551549	1.1512	1.0414	-0.1445	0.561494
<i>Pxmp2</i>	chr5:110274281-110286186	1.1151	1.2802	0.1992	0.403609
<i>Rpl6</i>	chr5:121204480-121209241	53.1908	55.5976	0.0638	0.700820
<i>Tpst1</i>	chr5:130073325-130135729	2.5203	2.6777	0.0874	0.561165
<i>Ift22</i>	chr5:136908149-136913244	2.2459	2.5080	0.1593	0.465624
<i>Mospd3</i>	chr5:137596644-137601058	2.1412	2.3744	0.1492	0.620571
<i>Rsph10b</i>	chr5:143933034-143985719	1.1120	0.9975	-0.1567	0.174095
<i>Trrap</i>	chr5:144768091-144859778	16.4933	15.4049	-0.0985	0.571850
<i>Lancl2</i>	chr6:57702600-57739438	2.1151	2.2369	0.0808	0.452757
<i>Nap1l5</i>	chr6:58905233-58907126	1.3528	1.5495	0.1958	0.644651
<i>Mrpl35</i>	chr6:71813002-71823810	7.4008	7.6743	0.0524	0.638769
<i>Elmod3</i>	chr6:72565921-72598413	3.3289	3.0745	-0.1147	0.429252

<i>Pole4</i>	chr6:82618991-82705365	17.8107	16.5853	-0.1028	0.519839
<i>Dusp11</i>	chr6:85942267-85961667	29.4364	29.8819	0.0217	0.568490
<i>Uba3</i>	chr6:97183669-97205642	26.3279	27.0944	0.0414	0.655323
<i>Eij4e3</i>	chr6:99625134-99666771	6.7199	6.2398	-0.1069	0.478983
<i>Foxj2</i>	chr6:122819913-122845366	6.6147	6.2002	-0.0934	0.510383
<i>Klri2</i>	chr6:129729040-129740484	0.1649	0.2168	0.3950	0.605540
<i>Fkrp</i>	chr7:16809269-16816732	12.4735	11.7574	-0.0853	0.364336
<i>Ppp5c</i>	chr7:17004639-17027924	20.6059	21.2057	0.0414	0.689181
<i>4732471J01Rik</i>	chr7:25384804-25385573	7.8290	7.0324	-0.1548	0.230677
<i>Tmem91</i>	chr7:25669138-25675166	2.0124	1.8310	-0.1363	0.517893
<i>Rinl</i>	chr7:28788968-28798963	77.5164	74.2737	-0.0617	0.280094
<i>Zfp84</i>	chr7:29768551-29779821	19.6313	20.1626	0.0385	0.610057
<i>Zfp382</i>	chr7:30121941-30134665	6.8340	7.1220	0.0596	0.542873
<i>Pepd</i>	chr7:34912378-35044710	17.7011	16.6432	-0.0889	0.450394
<i>AW146154</i>	chr7:41478879-41499890	4.8456	5.0630	0.0633	0.651349
<i>Emc10</i>	chr7:44489936-44496529	24.3772	25.5033	0.0652	0.716588
<i>Prr12</i>	chr7:45027706-45052881	2.1732	2.3680	0.1239	0.712016
<i>0610005C13Rik</i>	chr7:45567794-45575327	0.2157	0.2557	0.2452	0.158709
<i>Fam103a1</i>	chr7:81762924-81769491	3.3281	3.5857	0.1076	0.583114
<i>Gm16638</i>	chr7:83597047-83631842	1.9973	1.7901	-0.1580	0.265352
<i>Prkrir</i>	chr7:98703102-98718062	40.3037	38.4825	-0.0667	0.318930
<i>Lamtor1</i>	chr7:101905836-101911901	25.8689	23.9525	-0.1110	0.519073
<i>Snora23</i>	chr7:110046363-110046547	148.1306	167.3217	0.1758	0.647329
<i>Lyrm1</i>	chr7:119895860-119916756	2.8148	3.0803	0.1301	0.635168
<i>Aldoa</i>	chr7:126795233-126800751	98.4017	101.5435	0.0453	0.699279
<i>Hirip3</i>	chr7:126861971-126865377	5.2156	4.8852	-0.0944	0.226827
<i>Mvp</i>	chr7:126986859-127014621	14.7063	15.1567	0.0435	0.667941
<i>Cd2bp2</i>	chr7:127191659-127196000	37.4393	38.0291	0.0225	0.609481
<i>Fbrs</i>	chr7:127485220-127491513	12.1008	11.2512	-0.1050	0.552007
<i>Armc5</i>	chr7:128237356-128245100	6.1863	6.4263	0.0549	0.635991
<i>Tssc4</i>	chr7:143069248-143071093	9.1692	8.4981	-0.1097	0.423959
<i>Insr</i>	chr8:3150921-3279617	6.9331	6.6086	-0.0692	0.340583
<i>E230013L22Rik</i>	chr8:11477928-11480241	1.2299	1.0757	-0.1932	0.259459
<i>Cdc16</i>	chr8:13757675-13781938	24.1604	23.0332	-0.0689	0.174579
<i>Lonrf1</i>	chr8:36216063-36249516	0.3893	0.3246	-0.2620	0.440665
<i>Cdkn2aip</i>	chr8:47709343-47713931	16.0564	16.5321	0.0421	0.621160
<i>Zfp963</i>	chr8:69741638-69749970	5.9617	6.1918	0.0546	0.340757
<i>Snora68</i>	chr8:70895758-70895889	45.3679	39.5045	-0.1997	0.580774
<i>Tpm4</i>	chr8:72134974-72153142	126.1641	118.9700	-0.0847	0.473497
<i>Ier2</i>	chr8:84661330-84662852	38.1295	39.8638	0.0642	0.708772
<i>Fto</i>	chr8:91313531-91668439	3.8448	3.6035	-0.0935	0.533991
<i>Psmb10</i>	chr8:105935727-105938392	111.5947	104.8300	-0.0902	0.485755
<i>Zfp90</i>	chr8:106415338-106425889	5.4437	5.0912	-0.0966	0.271824
<i>Cirh1a</i>	chr8:106893639-106923093	28.2101	26.9827	-0.0642	0.098475
<i>Zfp821</i>	chr8:109705548-109724932	2.0198	1.8133	-0.1556	0.343299
<i>Atmin</i>	chr8:116943392-116960445	7.3121	6.9181	-0.0799	0.354030
<i>Gcsh</i>	chr8:116981809-116993537	7.0368	6.4932	-0.1160	0.372402
<i>A130014A01Rik</i>	chr8:120101581-120103904	3.4479	3.1294	-0.1399	0.506145
<i>Gm22643</i>	chr9:13621225-13621326	19.2937	21.6190	0.1642	0.475568
<i>4931406C07Rik</i>	chr9:15283336-15306448	1.3205	1.4355	0.1205	0.547481
<i>St3gal4</i>	chr9:35046578-35116810	18.8087	17.8825	-0.0729	0.205182
<i>Mfrp</i>	chr9:44101737-44109187	0.2731	0.3173	0.2165	0.511306
<i>Ccdc84</i>	chr9:44410159-44418003	21.7596	20.5174	-0.0848	0.341860
<i>Peak1os</i>	chr9:56257889-56267780	1.5741	1.7993	0.1929	0.611683
<i>Stoml1</i>	chr9:58253163-58262523	15.6827	16.2351	0.0499	0.683610
<i>Senp8</i>	chr9:59734258-59750649	1.7836	1.8863	0.0808	0.387457
<i>Usp3</i>	chr9:66514636-66593142	39.1645	40.0444	0.0321	0.654602
<i>Tcf12</i>	chr9:71844251-72111819	51.6671	49.6248	-0.0582	0.085409
<i>Arpp19</i>	chr9:75037613-75060313	12.6582	11.8674	-0.0931	0.493072
<i>Gm16185</i>	chr9:97085325-97088610	10.8822	11.3181	0.0567	0.710965
<i>Nmnat3</i>	chr9:98287434-98420527	2.7279	2.8253	0.0506	0.399532
<i>Gnai2</i>	chr9:107614137-107635342	159.6514	163.3870	0.0334	0.681197
<i>Rnf123</i>	chr9:108051533-108083346	22.3612	20.9958	-0.0909	0.524431
<i>Nckipsd</i>	chr9:108808379-108818366	2.9714	2.7446	-0.1146	0.218209
<i>Setd2</i>	chr9:110532596-110618633	25.7025	26.4472	0.0412	0.723516
<i>Gms50</i>	chr9:110914738-110916861	5.6939	5.0363	-0.1771	0.387350
<i>Higd1a</i>	chr9:121848559-121858000	8.3839	7.8242	-0.0997	0.305258
<i>Lztf1</i>	chr9:123694415-123717625	4.7036	4.4319	-0.0858	0.411409
<i>Upf3b</i>	chrX:37091677-37110322	9.7772	10.0522	0.0400	0.585881
<i>Mospd1</i>	chrX:53344597-53370502	8.0294	7.4163	-0.1146	0.515853
<i>Cetn2</i>	chrX:72913531-72918411	28.6091	29.7187	0.0549	0.685267

<i>Rps24-ps3</i>	chrX:79195046-79195448	130.8945	148.5323	0.1824	0.559852
<i>Snx12</i>	chrX:101097785-101222563	10.6280	9.9809	-0.0906	0.372139
<i>Zmym3</i>	chrX:101404383-101420849	6.0365	6.1703	0.0316	0.609836
<i>Brwd3</i>	chrX:108737015-108834372	4.5023	4.2574	-0.0807	0.420162
<i>Gm7823</i>	chrX:133093939-133095562	2.6694	2.9192	0.1290	0.519145
<i>Timm8a1</i>	chrX:134537255-134541865	1.0685	0.9059	-0.2381	0.296967
<i>Klf8</i>	chrX:153237465-153396132	0.7691	0.8463	0.1381	0.607808
<i>Acot9</i>	chrX:155262442-155297654	19.8641	18.5797	-0.0964	0.492072
<i>Tceanc</i>	chrX:166499811-166518567	4.2072	4.3485	0.0477	0.517596
<i>Zfp622</i>	chr15:25984365-25998482	28.8352	29.7365	0.0444	0.675236
<i>Gm15943</i>	chr15:58214474-58324053	0.7322	0.6310	-0.2147	0.516709
<i>Asap1</i>	chr15:64086856-64382919	8.2604	8.6207	0.0616	0.729152
<i>Arc</i>	chr15:74669082-74672570	1.0945	0.9230	-0.2458	0.577696
<i>Ly6k</i>	chr15:74796873-74799986	2.2221	1.3973	-0.6692	0.580494
<i>Tigd5</i>	chr15:75909759-75912148	1.3574	1.1906	-0.1891	0.477267
<i>lft27</i>	chr15:78159464-78174108	12.2170	12.9023	0.0787	0.640708
<i>Rps19bp1</i>	chr15:80260613-80264306	10.9543	11.5447	0.0757	0.569680
<i>Aco2</i>	chr15:81872308-81915133	46.6794	44.6949	-0.0627	0.232987
<i>Fam118a</i>	chr15:85037061-85062828	13.1510	13.4813	0.0358	0.471793
<i>Gm26513</i>	chr15:98093282-98095771	1.1290	1.2504	0.1474	0.535239
<i>Ccnt1</i>	chr15:98538688-98570923	20.6561	19.6570	-0.0715	0.368703
<i>Vdac2</i>	chr14:21831268-21845879	31.9161	32.4936	0.0259	0.550968
<i>4930431P03Rik</i>	chr14:44955216-44961307	1.1437	1.2454	0.1229	0.643555
<i>Traj36</i>	chr14:54182401-54182464	39.3172	33.0685	-0.2497	0.608547
<i>Traj15</i>	chr14:54204421-54204481	68.1161	73.3559	0.1069	0.483228
<i>C1qtnf9</i>	chr14:60768133-60780869	0.4650	0.3650	-0.3496	0.494841
<i>Reep4</i>	chr14:70545250-70548933	17.1761	16.0602	-0.0969	0.509580
<i>Mir17hg</i>	chr14:115042878-115046727	18.9686	17.9106	-0.0828	0.468031
<i>Farp1</i>	chr14:121035199-121283744	1.0246	1.1139	0.1206	0.653970
<i>Stk24</i>	chr14:121286342-121379334	59.1941	60.5011	0.0315	0.676290
<i>Amdhd2</i>	chr17:24155832-24163766	6.9639	7.2778	0.0636	0.660161
<i>Bricd5</i>	chr17:24473883-24475469	9.1628	8.4672	-0.1139	0.387148
<i>Ppard</i>	chr17:28232753-28301469	1.2940	1.1729	-0.1418	0.437042
<i>Gm20109</i>	chr17:28522380-28523148	1.3240	1.5607	0.2373	0.480962
<i>Kctd20</i>	chr17:28951949-28969549	17.9285	17.1549	-0.0636	0.126482
<i>Cd320</i>	chr17:33843090-33849774	3.7641	3.4783	-0.1139	0.411131
<i>H2-K1</i>	chr17:33996016-34000333	1109.1185	1056.4976	-0.0701	0.367837
<i>Atp6v1g2</i>	chr17:35233659-35238767	3.0788	3.2710	0.0873	0.545690
<i>Cchr1</i>	chr17:35517099-35531015	1.1736	1.2585	0.1008	0.617308
<i>Gabbr1</i>	chr17:37045965-37075067	6.0360	6.2936	0.0603	0.711352
<i>Cyp39a1</i>	chr17:43667424-43751431	0.3018	0.3627	0.2648	0.564800
<i>Gltscr1</i>	chr17:46798115-46831413	4.6933	4.4016	-0.0926	0.508232
<i>Ubr2</i>	chr17:46928291-47010532	26.3666	27.1986	0.0448	0.738014
<i>Gm23657</i>	chr17:46992622-46992916	4.2414	4.9557	0.2246	0.552445
<i>Tfeb</i>	chr17:47737029-47792419	2.5405	2.6732	0.0735	0.639899
<i>Trem1</i>	chr17:48300037-48312534	47.0330	44.7942	-0.0704	0.330543
<i>Tbc1d5</i>	chr17:50733126-51179349	9.0605	9.3365	0.0433	0.694851
<i>Snord53</i>	chr17:71640878-71640956	41.4053	45.5258	0.1369	0.548127
<i>Srl</i>	chr16:4480215-4541816	0.1932	0.1575	-0.2952	0.386863
<i>Nagpa</i>	chr16:5195288-5204012	14.3830	13.5296	-0.0883	0.431664
<i>Tssk2</i>	chr16:17898636-17900023	0.8886	1.0164	0.1938	0.434897
<i>Mir1306</i>	chr16:18284238-18284317	45.2756	48.9808	0.1135	0.196821
<i>Dnajb11</i>	chr16:22857844-22879634	31.1612	29.6177	-0.0733	0.362685
<i>1700007L15Rik</i>	chr16:33379854-33380727	5.8985	6.3375	0.1036	0.497986
<i>Gtpbp8</i>	chr16:44736767-44746363	13.3210	12.6065	-0.0795	0.381016
<i>Nrip1</i>	chr16:76287399-76373827	10.6899	10.9831	0.0390	0.695311
<i>1110004E09Rik</i>	chr16:90925808-90934927	9.4926	10.1259	0.0932	0.652721
<i>Cnih2</i>	chr19:5092870-5098418	2.0815	1.8126	-0.1996	0.437163
<i>Sf3b2</i>	chr19:5273922-5295455	117.8185	120.5435	0.0330	0.684727
<i>Fosl1</i>	chr19:5447702-5455945	1.5495	1.3617	-0.1864	0.309694
<i>Gm14965</i>	chr19:6409399-6418606	6.2374	6.6936	0.1018	0.626929
<i>Bscl2</i>	chr19:8837466-8848683	9.2711	9.5151	0.0375	0.650088
<i>Tut1</i>	chr19:8953849-8966207	26.3502	24.8235	-0.0861	0.452904
<i>Tmem216</i>	chr19:10533864-10556238	7.6747	7.1793	-0.0963	0.290290
<i>Ms4a6d</i>	chr19:11586603-11604849	4.2811	4.6586	0.1219	0.713587
<i>A330040F15Rik</i>	chr19:12585867-12596566	2.4295	2.1205	-0.1963	0.414739
<i>Abhd17b</i>	chr19:21653308-21685637	13.8834	13.1972	-0.0731	0.045467
<i>D19Bwg1357e</i>	chr19:27388701-27429820	31.5516	32.4176	0.0391	0.660174
<i>Acta2</i>	chr19:34241089-34255336	1.1188	1.2428	0.1517	0.343036
<i>Lipa</i>	chr19:34492317-34527474	41.8492	39.8131	-0.0720	0.364396
<i>Lcor</i>	chr19:41482644-41562246	9.1872	9.5340	0.0535	0.702812

<i>Obfc1</i>	chr19:47501032-47537507	10.4855	10.7286	0.0331	0.595531
<i>Add3</i>	chr19:53140444-53247399	142.1908	145.1973	0.0302	0.656823
<i>Mxi1</i>	chr19:53310505-53375810	4.1841	4.3879	0.0686	0.639306
<i>Smc3</i>	chr19:53600397-53645833	43.8407	44.9634	0.0365	0.678915
<i>Fam160b1</i>	chr19:57361008-57389594	20.4979	19.5570	-0.0678	0.329250
<i>Gm26580</i>	chr1:21959841-21962530	1.8232	1.6017	-0.1869	0.527592
<i>Gm15455</i>	chr1:33835898-33838914	0.4031	0.3392	-0.2487	0.246079
<i>Tgfbra1</i>	chr1:43047268-43098622	7.4002	7.6687	0.0514	0.703982
<i>Ormdl1</i>	chr1:53297094-53310309	8.1439	7.6428	-0.0916	0.453404
<i>Gm24053</i>	chr1:54769217-54769322	15.6225	17.8021	0.1884	0.478609
<i>Tmem237</i>	chr1:59100593-59120096	2.5255	2.2751	-0.1506	0.434324
<i>Psmc1</i>	chr1:86064386-86139151	21.6671	22.0324	0.0241	0.565214
<i>Cops7b</i>	chr1:86582903-86606978	5.6840	5.2395	-0.1175	0.518040
<i>Sag</i>	chr1:87803679-87845158	0.5367	0.5714	0.0904	0.285579
<i>Gm15392</i>	chr1:121489295-121493203	1.9488	2.2212	0.1887	0.532402
<i>B4galt3</i>	chr1:171270327-171276896	6.6736	6.8285	0.0331	0.523290
<i>Kcnj10</i>	chr1:172341209-172374085	0.1997	0.1664	-0.2631	0.209524
<i>Gm15423</i>	chr1:176927998-176932711	0.6010	0.7200	0.2606	0.464050
<i>Gm17036</i>	chr18:6213912-6227324	31.6152	28.3838	-0.1556	0.568315
<i>Rnf125</i>	chr18:20944624-20983848	50.9237	48.3786	-0.0740	0.363362
<i>Slc25a2</i>	chr18:37637377-37638723	1.9752	1.7151	-0.2036	0.376634
<i>Gm10268</i>	chr18:38244827-38245382	1.7970	2.1314	0.2462	0.547760
<i>Gm4841</i>	chr18:60268300-60273267	0.9884	1.1708	0.2443	0.703562
<i>Rbm22</i>	chr18:60560735-60572810	21.0665	21.4600	0.0267	0.596516
<i>Fbxo38</i>	chr18:62504068-62548743	40.1591	40.9085	0.0267	0.622549
<i>Gnal</i>	chr18:67088335-67226792	14.5110	13.7972	-0.0728	0.321494
<i>Frdm4a</i>	chr2:4017716-4614043	0.9584	0.9020	-0.0875	0.368124
<i>Cdc123</i>	chr2:5794293-5845164	13.9185	13.0879	-0.0888	0.431139
<i>Plxdc2</i>	chr2:16356303-16755839	0.6589	0.7244	0.1366	0.675780
<i>Gm22879</i>	chr2:26912230-26912287	16.3437	12.8071	-0.3518	0.537115
<i>Ntng2</i>	chr2:29194793-29253005	1.7544	1.9080	0.1211	0.645359
<i>Dolpp1</i>	chr2:30392253-30400529	6.7512	6.3199	-0.0952	0.421982
<i>D330023K18Rik</i>	chr2:31146456-31152291	2.6755	2.3857	-0.1654	0.269061
<i>Calcr1</i>	chr2:84330625-84425411	23.3476	21.9348	-0.0900	0.507721
<i>Harbi1</i>	chr2:91710851-91721545	3.0681	3.1944	0.0582	0.627905
<i>Pex16</i>	chr2:92374675-92381217	11.9426	12.3950	0.0536	0.649053
<i>Nat10</i>	chr2:103721255-103761270	14.4775	14.7999	0.0318	0.709572
<i>Bloc1s6os</i>	chr2:122733289-122738362	1.3586	1.1113	-0.2898	0.273279
<i>Gm14212</i>	chr2:126864502-126865328	2.7909	2.4405	-0.1935	0.385686
<i>Sppl2a</i>	chr2:126890390-126933235	17.8777	18.2497	0.0297	0.666019
<i>Acss1</i>	chr2:150618104-150668500	27.0399	25.7642	-0.0697	0.353789
<i>Rpn2</i>	chr2:157279016-157326319	52.2352	49.9419	-0.0648	0.339974
<i>Arfgef2</i>	chr2:166805587-166898052	10.8758	10.3556	-0.0707	0.407963
<i>Gm14337</i>	chr2:173984481-173984691	26.7952	30.2184	0.1735	0.651744
<i>Stx16</i>	chr2:174076307-174099771	28.0801	26.6192	-0.0771	0.466246
<i>Snx16</i>	chr3:10417818-10440124	2.2298	2.3708	0.0885	0.499008
<i>Skil</i>	chr3:31095057-31122577	23.5819	24.0421	0.0279	0.692651
<i>4932438A13Rik</i>	chr3:36863105-37053033	28.6123	29.5504	0.0465	0.737276
<i>Cog6</i>	chr3:52982122-53017223	16.2095	15.3042	-0.0829	0.404316
<i>Mef2d</i>	chr3:88142371-88172086	15.7236	16.3295	0.0545	0.721406
<i>Thbs3</i>	chr3:89215179-89226837	0.2910	0.3449	0.2450	0.612113
<i>Krtcap2</i>	chr3:89245965-89249722	30.6735	32.0810	0.0647	0.700236
<i>Adam15</i>	chr3:89339639-89349996	0.2062	0.2396	0.2165	0.474707
<i>4933434E20Rik</i>	chr3:90051635-90063341	18.0755	17.1142	-0.0788	0.395159
<i>Sars</i>	chr3:108424864-108445209	57.1923	58.7729	0.0393	0.698491
<i>Sass6</i>	chr3:116595007-116630984	4.0158	4.1796	0.0577	0.602402
<i>Cisd2</i>	chr3:135406411-135423925	17.1445	16.2954	-0.0733	0.317023
<i>4930539J05Rik</i>	chr3:135436208-135438665	4.0242	4.3419	0.1096	0.633495
<i>2410004B18Rik</i>	chr3:145938013-145944829	13.7445	14.1346	0.0404	0.417539
<i>Zfp292</i>	chr4:34803112-34882960	51.8605	53.0807	0.0336	0.672163
<i>Aptx</i>	chr4:40682381-40703194	3.3705	3.4953	0.0525	0.600282
<i>Fam219a</i>	chr4:41517690-41569538	1.1759	1.2711	0.1123	0.540192
<i>Fam214b</i>	chr4:43032413-43046220	1.6759	1.5130	-0.1475	0.555566
<i>Alad</i>	chr4:62509168-62519918	8.9263	8.2618	-0.1116	0.498565
<i>Megf9</i>	chr4:70427064-70534995	0.9308	0.8482	-0.1340	0.504446
<i>Fam151a</i>	chr4:106733888-106748292	0.9339	1.0718	0.1987	0.664658
<i>Zfyve9</i>	chr4:108637465-108780798	0.3865	0.4269	0.1434	0.531894
<i>Nsun4</i>	chr4:116032841-116053876	10.4341	9.7822	-0.0931	0.453720
<i>Gm12841</i>	chr4:117883620-117885995	25.1020	26.4392	0.0749	0.518502
<i>Lepre1</i>	chr4:119232914-119248975	1.8783	1.9811	0.0768	0.448521
<i>Sh3d21</i>	chr4:126150601-126163491	0.8687	0.9577	0.1407	0.337450

<i>Ago3</i>	chr4:126331703-126429556	4.4954	4.6711	0.0553	0.701767
<i>Psemb2</i>	chr4:126677629-126709714	68.0632	69.7858	0.0361	0.677970
<i>Gm12941</i>	chr4:127046382-127046602	6.0532	4.9907	-0.2785	0.488888
<i>Gm26516</i>	chr4:130774816-130779246	3.0904	3.3340	0.1094	0.538197
<i>Snora16a</i>	chr4:132309464-132309600	27.9712	25.0589	-0.1586	0.245889
<i>Tmco4</i>	chr4:138972887-139059171	16.9391	17.4191	0.0403	0.715506
<i>Gm13091</i>	chr4:150566868-150568544	19.6092	20.7316	0.0803	0.602777
<i>Vamp3</i>	chr4:151047299-151057963	12.8871	13.2595	0.0411	0.612253
<i>Acot7</i>	chr4:152178133-152271855	9.4175	9.9105	0.0736	0.681660
<i>Gm16333</i>	chr4:152410799-152411262	5.4746	6.3053	0.2038	0.625059
<i>Cep104</i>	chr4:153975193-154008732	3.8546	4.0237	0.0620	0.664479
<i>Entpd3</i>	chr9:120539817-120568318	0.1816	0.2199	0.2759	0.363258
<i>Rps6kb1</i>	chr11:86498870-86544805	18.5932	18.9634	0.0284	0.655185
<i>Acap2</i>	chr16:31092412-31201238	24.6758	23.4444	-0.0739	0.416813
<i>Pam</i>	chr1:97795113-98095646	2.0949	2.2070	0.0752	0.691262
<i>Ints10</i>	chr8:68793928-68829410	6.8086	6.9679	0.0334	0.571331
<i>Gm10638</i>	chr8:86745698-86746603	2.9345	2.4892	-0.2375	0.638252
<i>Slc26a11</i>	chr11:119355556-119381079	5.9985	6.2163	0.0515	0.585337
<i>4930558J22Rik</i>	chr13:23756202-23757620	1.2379	1.0178	-0.2824	0.556478
<i>Gm10369</i>	chr5:134676489-134680145	1.5038	1.2423	-0.2756	0.572276
<i>Vmac</i>	chr17:56713931-56717699	6.8758	7.2766	0.0817	0.682544
<i>Ndufv1</i>	chr19:4007496-4012806	30.9818	29.1732	-0.0868	0.479189
<i>Glt8d2</i>	chr10:82650432-82690650	1.1244	1.1930	0.0855	0.514606
<i>Rnf19a</i>	chr15:36239933-36283147	26.7169	27.2719	0.0297	0.647934
<i>Slco3a1</i>	chr7:74275418-74554780	10.8763	11.2015	0.0425	0.733774
<i>Snape2</i>	chr8:4253101-4256219	7.9282	8.3337	0.0720	0.616783
<i>2610002M06Rik</i>	chrX:107782750-107816334	5.8776	6.0428	0.0400	0.577388
<i>Sh2d3c</i>	chr2:32721054-32755512	18.5638	17.6361	-0.0740	0.439993
<i>Snape1</i>	chr12:73964529-73984820	12.9638	13.3811	0.0457	0.642567
<i>Siva1</i>	chr12:112644827-112649152	7.1474	7.6581	0.0996	0.602230
<i>Daam2</i>	chr17:49456021-49564337	0.6458	0.6987	0.1134	0.569856
<i>Eij4a2</i>	chr16:23107443-23114136	149.9629	141.8003	-0.0807	0.493518
<i>Gm6421</i>	chr13:117358211-117358622	11.4532	12.2907	0.1018	0.491682
<i>Ctrl</i>	chr8:105931993-105933862	2.7444	2.4013	-0.1927	0.416986
<i>Ddx21</i>	chr10:62580247-62602298	85.7447	86.9472	0.0201	0.650641
<i>Btg1</i>	chr10:96617000-96622813	130.8355	135.2433	0.0478	0.746640
<i>Smcr8</i>	chr11:60777524-60788287	18.2077	17.4848	-0.0585	0.150516
<i>Aldoc</i>	chr11:78322967-78327781	0.4037	0.4615	0.1934	0.427896
<i>G6pc3</i>	chr11:102189619-102194081	5.8143	6.0825	0.0651	0.635290
<i>Gm11652</i>	chr11:105773517-105774784	0.8573	0.6938	-0.3051	0.536991
<i>Baiap2</i>	chr11:119942762-120006782	4.1498	4.2932	0.0490	0.565823
<i>Foxk2</i>	chr11:121259989-121309896	9.2724	8.7954	-0.0762	0.425314
<i>Ncoa1</i>	chr12:4247362-4477182	8.4116	8.5848	0.0294	0.652298
<i>Ubxn2a</i>	chr12:4879031-4907705	17.2665	17.6789	0.0341	0.606183
<i>Churc1</i>	chr12:76765537-76783180	7.3538	6.8357	-0.1054	0.566024
<i>Numb</i>	chr12:83794033-83921934	12.1543	12.3967	0.0285	0.526543
<i>Samd15</i>	chr12:87199722-87213541	0.3322	0.3897	0.2302	0.393974
<i>Gm26583</i>	chr12:112946362-112950512	3.3520	3.0514	-0.1355	0.587392
<i>Net1</i>	chr13:3882564-3918220	8.6584	8.9305	0.0446	0.602811
<i>NA</i>	chr13:21717627-21718115	3.4278	2.8868	-0.2478	0.476943
<i>Auh</i>	chr13:52835118-52929681	5.2308	4.9525	-0.0789	0.450524
<i>Srd5a1</i>	chr13:69573448-69611442	0.3239	0.2687	-0.2695	0.297932
<i>Iqgap2</i>	chr13:95627176-95891922	45.5946	46.3926	0.0250	0.723915
<i>Glmn</i>	chr5:107548966-107597888	5.4459	5.7017	0.0662	0.660169
<i>Sirt4</i>	chr5:115478009-115484725	2.6337	2.4163	-0.1243	0.287236
<i>9530046B11Rik</i>	chr5:117115217-117118723	0.7743	0.6370	-0.2816	0.365661
<i>6330418K02Rik</i>	chr5:138264042-138266661	5.4442	4.9378	-0.1409	0.527350
<i>Mad111</i>	chr5:140008688-140321552	12.0207	12.4426	0.0498	0.679037
<i>Fry</i>	chr5:150259929-150497752	5.6491	5.9508	0.0751	0.732433
<i>Adck2</i>	chr6:39573872-39596595	8.6433	8.1779	-0.0798	0.408507
<i>Bloc1s3</i>	chr7:19505813-19508331	6.5787	6.8635	0.0611	0.580087
<i>Zdhhc13</i>	chr7:48789002-48827440	26.0036	24.6302	-0.0783	0.397374
<i>Gm7180</i>	chr7:81222361-81222874	1.9432	2.3141	0.2520	0.592607
<i>Seps2</i>	chr7:127272560-127273919	23.9066	22.6431	-0.0783	0.319026
<i>Cln3</i>	chr8:60910388-60983300	10.5483	10.0628	-0.0680	0.420679
<i>Gm27006</i>	chr8:79705596-79706539	4.7051	4.1913	-0.1668	0.463227
<i>Orc6</i>	chr8:85299631-85308278	11.7200	12.1977	0.0576	0.678934
<i>Chek1</i>	chr9:36708481-36727065	1.3070	1.3905	0.0894	0.609129
<i>Pcsk7</i>	chr9:45906568-45929692	18.4803	17.5888	-0.0713	0.381828
<i>NA</i>	chr9:85781862-85782663	1.1058	0.9148	-0.2736	0.171022
<i>Uxt</i>	chrX:20941721-20962017	4.9668	5.2364	0.0762	0.602673

<i>Cyp2d22</i>	chr15:82370527-82380260	1.8348	1.6455	-0.1572	0.530315
<i>Gm10337</i>	chr15:102503721-102503886	5.4254	4.4583	-0.2832	0.242478
<i>Gm10044</i>	chr14:7744062-7791651	0.8130	0.9215	0.1808	0.629357
<i>Phf7</i>	chr14:31237695-31251218	10.2602	9.5477	-0.1038	0.521057
<i>Tep1</i>	chr14:50824061-50870560	5.6015	5.2354	-0.0975	0.567001
<i>Wdfy2</i>	chr14:62837689-62956886	4.3432	4.0177	-0.1124	0.402680
<i>Lnpep</i>	chr17:17527722-17624489	96.5915	99.5555	0.0436	0.749607
<i>Zfp52</i>	chr17:21555045-21562066	14.8252	15.3273	0.0481	0.663955
<i>Traf7</i>	chr17:24508561-24527938	20.0092	19.0950	-0.0675	0.376192
<i>Rpsd1</i>	chr17:25727750-25731456	2.8017	2.9962	0.0968	0.515911
<i>Metrn</i>	chr17:25794570-25797136	9.6837	9.0130	-0.1035	0.437514
<i>Cpne5</i>	chr17:29156549-29237797	0.0743	0.0612	-0.2793	0.163964
<i>Cyp4f16</i>	chr17:32536557-32551798	0.7775	0.8807	0.1797	0.655290
<i>B3galt4</i>	chr17:33949913-33951488	17.6255	16.5886	-0.0875	0.457202
<i>Ehhadh</i>	chr16:21761286-21787844	5.3302	5.5709	0.0637	0.655846
<i>Cd200r1</i>	chr16:44765735-44794978	1.3983	1.2288	-0.1864	0.398210
<i>1810055G02Rik</i>	chr19:3708332-3717881	0.6892	0.7988	0.2128	0.562386
<i>Scly</i>	chr1:91298337-91321075	6.1007	6.3137	0.0495	0.695771
<i>Thap4</i>	chr1:93705390-93754838	5.7170	5.9467	0.0568	0.507776
<i>Tmem9</i>	chr1:136008218-136035030	7.1583	6.6566	-0.1048	0.415408
<i>Gm10031</i>	chr1:156524091-156526659	1.0748	0.9481	-0.1810	0.393363
<i>Itpkb</i>	chr1:180330484-180424802	43.7562	41.6618	-0.0708	0.458070
<i>Arhgap12</i>	chr18:6024426-6136098	10.0636	10.3645	0.0425	0.662685
<i>Eif1a</i>	chr18:46597703-46610225	29.2607	29.9195	0.0321	0.661341
<i>Lmnb1</i>	chr18:56707812-56753424	10.9640	11.3330	0.0478	0.711266
<i>Hspa14</i>	chr2:3488849-3512814	14.7107	14.0814	-0.0631	0.218721
<i>Zmynd19</i>	chr2:24949791-24962075	5.0074	4.7059	-0.0896	0.382391
<i>Sec16a</i>	chr2:26409430-26445216	27.4414	26.0528	-0.0749	0.494628
<i>Nup214</i>	chr2:31974435-32053975	9.9450	9.4392	-0.0753	0.466607
<i>Gm27003</i>	chr2:126675915-126683805	7.4080	6.5436	-0.1790	0.521780
<i>E2f1</i>	chr2:154559406-154569892	0.9495	1.0442	0.1372	0.600593
<i>4930518I15Rik</i>	chr2:156856615-156857946	7.2170	6.6905	-0.1093	0.406036
<i>Jade1</i>	chr3:41555733-41616862	13.1842	13.4702	0.0310	0.637033
<i>Maml3</i>	chr3:51687610-52104891	2.3459	2.1913	-0.0984	0.415533
<i>Serp1</i>	chr3:58521968-58525873	72.5935	74.7597	0.0424	0.701933
<i>Lrrc71</i>	chr3:87736922-87748625	1.3378	1.4502	0.1164	0.601501
<i>Lix1l</i>	chr3:96601132-96625352	1.2898	1.1343	-0.1854	0.456745
<i>Cenpe</i>	chr3:135212562-135273540	2.2745	2.4531	0.1090	0.757020
<i>Mttn</i>	chr3:138089854-138143388	0.4014	0.4447	0.1479	0.132459
<i>Gm6297</i>	chr4:40720153-40722398	2.1362	2.3581	0.1426	0.702051
<i>Hectd3</i>	chr4:116995316-117005277	21.1474	21.6660	0.0350	0.724632
<i>Med8</i>	chr4:118409336-118415782	21.4051	21.8560	0.0301	0.607554
<i>Vps13d</i>	chr4:144972625-145194995	15.6334	14.9047	-0.0689	0.437473
<i>Pjfo</i>	chr3:105996956-106014646	1.6265	1.2631	-0.3647	0.692947
<i>Cfap36</i>	chr11:29221531-29247409	8.2009	8.4963	0.0511	0.651877
<i>Atad2b</i>	chr12:4917403-5044047	20.5350	21.0082	0.0329	0.702403
<i>Gm27014</i>	chr12:54963063-54964200	2.2019	1.9317	-0.1889	0.364561
<i>Hist1h4h</i>	chr13:23531043-23531519	132.5251	139.1441	0.0703	0.724272
<i>Nim1k</i>	chr13:119710093-119755882	0.6739	0.7225	0.1004	0.581592
<i>Slain2</i>	chr5:72914303-72978829	15.0109	15.2538	0.0232	0.605433
<i>Pak1</i>	chr7:97842934-97912381	2.8827	2.6437	-0.1249	0.503088
<i>Ddx49</i>	chr8:70292865-70302489	19.2440	18.2442	-0.0770	0.397833
<i>4933433G15Rik</i>	chr9:75410183-75417709	1.7355	1.8808	0.1160	0.464386
<i>Topbp1</i>	chr9:103305214-103350432	45.6527	46.2943	0.0201	0.707538
<i>Zfx</i>	chrX:94074630-94123702	14.6128	13.9314	-0.0689	0.356235
<i>Ttc33</i>	chr15:5185524-5218336	18.8045	19.3667	0.0425	0.651881
<i>Azin1</i>	chr15:38487429-38519266	24.3213	23.1431	-0.0716	0.397874
<i>Gm10863</i>	chr15:79166040-79227524	5.1585	4.7309	-0.1248	0.515883
<i>Chchd1</i>	chr14:20703026-20704417	62.5601	65.7954	0.0727	0.710740
<i>Smim4</i>	chr14:31088868-31128930	21.3129	19.6134	-0.1199	0.515550
<i>Txndc16</i>	chr14:45134447-45220328	4.9918	4.7239	-0.0796	0.444355
<i>4931414P19Rik</i>	chr14:54583662-54605908	2.0193	2.1383	0.0826	0.261271
<i>Gm26130</i>	chr17:12919584-12919722	35.5087	31.9325	-0.1531	0.537658
<i>Ppt2</i>	chr17:34616661-34628510	5.1351	4.7841	-0.1022	0.458499
<i>Son</i>	chr16:91647505-91679221	79.2209	76.3594	-0.0531	0.131853
<i>Zdhhc24</i>	chr19:4878667-4885397	4.0880	3.8109	-0.1012	0.340674
<i>Asrgl1</i>	chr19:9109867-9135636	8.4757	8.6925	0.0364	0.636096
<i>Gm16726</i>	chr19:46264538-46267669	6.5353	5.9353	-0.1389	0.501673
<i>Tmx2</i>	chr2:84671315-84679140	7.9966	8.2782	0.0499	0.624927
<i>Slc12a5</i>	chr2:164960815-164999727	0.1943	0.1660	-0.2265	0.241982
<i>Nr4a3</i>	chr4:48045152-48086447	1.3777	1.4573	0.0811	0.619345

<i>Eva1b</i>	chr4:126147743-126149875	10.5443	9.7488	-0.1132	0.556391
<i>Smim1</i>	chr4:154020469-154026230	2.5321	2.3606	-0.1012	0.425379
<i>Tbxas1</i>	chr6:38875403-39084585	0.1704	0.1916	0.1691	0.555519
<i>Picalm</i>	chr7:90130231-90209447	90.8710	92.2484	0.0217	0.719883
<i>Dedd</i>	chr1:171329144-171342331	6.6551	6.3456	-0.0687	0.141753
<i>Vamp7-ps</i>	chr2:174046618-174047273	9.3668	9.9531	0.0876	0.545980
<i>Kat8</i>	chr7:127912516-127925832	20.5747	19.2836	-0.0935	0.481285
<i>Vta1</i>	chr10:14654754-14705560	18.2764	18.7715	0.0386	0.649735
<i>NA</i>	chr10:22113049-22149270	1.3644	1.2127	-0.1700	0.387799
<i>Zwint</i>	chr10:72654844-72674964	13.1318	13.4951	0.0394	0.685950
<i>Z810425M01Rik</i>	chr10:77486663-77516430	6.8482	6.3650	-0.1056	0.428657
<i>Ap3d1</i>	chr10:80706977-80742211	38.7277	37.2666	-0.0555	0.181114
<i>Tmed4</i>	chr11:6270368-6274870	15.5591	14.7966	-0.0725	0.212780
<i>Ddc</i>	chr11:11814100-11898144	2.6657	2.4300	-0.1335	0.524156
<i>Eldr</i>	chr11:16935153-16951282	0.4191	0.4823	0.2027	0.524765
<i>Blmh</i>	chr11:76924808-76987379	13.2080	12.5671	-0.0718	0.360290
<i>Ankrd13b</i>	chr11:77470484-77489678	1.6492	1.4849	-0.1514	0.634578
<i>Chad</i>	chr11:94565046-94569127	1.0846	0.9421	-0.2031	0.397251
<i>Kpnb1</i>	chr11:97159713-97187881	63.4786	61.1386	-0.0542	0.129509
<i>Tubg1</i>	chr11:101119937-101126419	7.0554	6.5816	-0.1003	0.477887
<i>Gm11655</i>	chr11:108181849-108194126	2.2906	2.5985	0.1820	0.627311
<i>Ttc32</i>	chr12:9029996-9036394	5.6919	6.1118	0.1027	0.588220
<i>Bzw2</i>	chr12:36091845-36156825	85.5915	80.9561	-0.0803	0.494996
<i>Tdp2</i>	chr13:24831678-24842153	27.3159	28.0833	0.0400	0.688855
<i>Tubb2b</i>	chr13:34127007-34130354	0.9840	0.8561	-0.2009	0.376309
<i>Nfil3</i>	chr13:52967208-52981073	1.8118	1.6191	-0.1622	0.466775
<i>Mir27b</i>	chr13:63300699-63300796	28.4714	25.0625	-0.1840	0.501728
<i>Rasa1</i>	chr13:85214779-85289029	32.5246	33.1407	0.0271	0.717945
<i>Cdkl2</i>	chr5:92006073-92043042	0.2387	0.2728	0.1928	0.462261
<i>Wbscr27</i>	chr5:134932367-134942637	8.2589	8.6850	0.0726	0.712644
<i>Ywhag</i>	chr5:135908408-135934616	13.0081	12.3754	-0.0719	0.436216
<i>Slc25a13</i>	chr6:6041217-6217118	3.0407	3.2133	0.0797	0.701534
<i>Tmem168</i>	chr6:13580686-13608100	16.5232	16.8458	0.0279	0.691287
<i>Trbv29</i>	chr6:41271402-41271881	114.6782	105.5695	-0.1194	0.613957
<i>Camk1</i>	chr6:113334123-113343984	0.8990	0.9510	0.0811	0.406198
<i>Gm24391</i>	chr6:120524896-120524998	8.7591	7.0358	-0.3161	0.552125
<i>1810019N24Rik</i>	chr7:12948591-12961768	0.8956	1.0210	0.1890	0.474674
<i>Gemin7</i>	chr7:19564945-19573823	15.5215	14.5979	-0.0885	0.380290
<i>ApoE</i>	chr7:19696108-19699166	2.9580	2.6812	-0.1418	0.540822
<i>C630016N16Rik</i>	chr7:30729578-30745929	8.5332	7.9591	-0.1005	0.312288
<i>Nosip</i>	chr7:45062428-45078503	13.8593	14.2511	0.0402	0.672354
<i>Gm7027</i>	chr7:101573459-101574321	2.5324	2.2133	-0.1943	0.494606
<i>Arl6ip1</i>	chr7:118118890-118129625	101.5758	96.4259	-0.0751	0.451889
<i>Palb2</i>	chr7:122107261-122132946	2.4965	2.6052	0.0615	0.611025
<i>Gm2044</i>	chr7:139957004-139958039	1.4814	1.6877	0.1881	0.487815
<i>NA</i>	chr7:143634805-143636585	3.2139	2.9122	-0.1422	0.476595
<i>Faddos</i>	chr7:144567354-144581512	2.6451	2.8686	0.1170	0.342320
<i>March1</i>	chr8:65617899-66471637	0.1445	0.1701	0.2348	0.624497
<i>Kxd1</i>	chr8:70508271-70527956	17.8835	18.4722	0.0467	0.710859
<i>Mcm5</i>	chr8:75109527-75128439	22.3735	22.8638	0.0313	0.736615
<i>Gm27021</i>	chr8:120608785-120668079	3.2010	2.7651	-0.2112	0.530641
<i>Fam89a</i>	chr8:124740256-124751809	1.3128	1.4663	0.1595	0.526748
<i>Gm20603</i>	chr9:21028306-21032357	8.7392	8.1981	-0.0922	0.518024
<i>Rbm7</i>	chr9:48488708-48495330	53.9754	55.2407	0.0334	0.679126
<i>Slc35f2</i>	chr9:53771534-53818161	8.1394	8.4398	0.0523	0.693974
<i>Apeh</i>	chr9:108085416-108094480	30.4598	28.9508	-0.0733	0.372690
<i>Deb1</i>	chr9:121710388-121712921	12.8929	13.7395	0.0918	0.642684
<i>Prickle3</i>	chrX:7657259-7668186	4.3713	4.5607	0.0612	0.703039
<i>Wdr13</i>	chrX:8123300-8132892	10.9857	10.4708	-0.0693	0.307901
<i>Taz</i>	chrX:74281911-74290151	18.4086	17.5708	-0.0672	0.358836
<i>Il2rb</i>	chr15:78480552-78495066	130.4495	136.2094	0.0623	0.764135
<i>Pphln1</i>	chr15:93398349-93491913	9.6820	9.9670	0.0419	0.645588
<i>1700010I14Rik</i>	chr17:8988332-9008319	4.0418	3.7571	-0.1054	0.286080
<i>Oaz1-ps</i>	chr17:17345455-17346140	9.1599	8.3323	-0.1366	0.495204
<i>Cuta</i>	chr17:26937972-26939478	47.3578	48.9306	0.0471	0.655210
<i>Prrt1</i>	chr17:34629532-34633126	1.8419	2.0352	0.1439	0.653420
<i>Tnfrsf81</i>	chr17:56162476-56173955	13.5261	13.9908	0.0487	0.679905
<i>Gm26561</i>	chr17:70878077-71393284	9.3545	9.8353	0.0723	0.715851
<i>Myl12a</i>	chr17:70993655-71002878	52.5841	49.6107	-0.0840	0.503707
<i>Msh6</i>	chr17:87975049-87990883	26.9475	25.6867	-0.0691	0.374887
<i>Coro7</i>	chr16:4626132-4679777	9.3780	8.8077	-0.0905	0.555522

<i>Gm15983</i>	chr16:5254785-5289621	0.5241	0.4615	-0.1834	0.456725
<i>Spidr</i>	chr16:15889226-16146851	7.9336	8.1556	0.0398	0.526076
<i>Capn1</i>	chr19:5988545-6015825	69.1128	65.8544	-0.0697	0.413064
<i>Gm22744</i>	chr19:8725091-8725156	90.4351	96.4269	0.0926	0.664989
<i>1810009A15Rik</i>	chr19:8888902-8890740	60.6927	63.3512	0.0619	0.721150
<i>Zdhhc16</i>	chr19:41933471-41944095	18.4046	17.4859	-0.0739	0.263951
<i>Sgk3</i>	chr1:9798129-9902556	11.0892	10.3269	-0.1027	0.602634
<i>Hspd1</i>	chr1:55077834-55088243	36.4251	34.4361	-0.0810	0.481640
<i>Gm3608</i>	chr1:105455970-105458829	0.6544	0.5714	-0.1956	0.137920
<i>Mapkapk2</i>	chr1:131053703-131097543	28.4619	28.9564	0.0248	0.658505
<i>Sft2d2</i>	chr1:165174340-165194433	25.5731	24.4798	-0.0630	0.290696
<i>Zfp35</i>	chr18:23989631-24005376	8.1967	7.7385	-0.0830	0.294784
<i>Wdr76</i>	chr2:121506722-121544860	6.1478	6.3068	0.0368	0.684254
<i>Gm14232</i>	chr2:131159536-131171342	1.7195	2.0132	0.2275	0.310553
<i>mt-Tt</i>	chrM:15288-15355	15.7186	19.6802	0.3243	0.679473
<i>Prpf3</i>	chr3:95830123-95855885	10.0704	10.3294	0.0366	0.667653
<i>Fpgt</i>	chr3:155084920-155093378	12.3790	11.7374	-0.0768	0.341625
<i>Rad54l</i>	chr4:116094263-116123690	2.5636	2.6512	0.0485	0.643111
<i>Btbd19</i>	chr4:117119218-117125725	6.6729	6.8911	0.0464	0.630424
<i>Smim12</i>	chr4:127243783-127247809	21.6501	22.5192	0.0568	0.671021
<i>Isca1</i>	chr13:59755408-59769810	3.4196	3.1991	-0.0962	0.427029
<i>Asl</i>	chr5:130011257-130025132	5.1591	4.8331	-0.0942	0.495065
<i>Rcbtb2</i>	chr14:73123036-73207843	8.2051	7.8287	-0.0677	0.278981
<i>Mtch1</i>	chr17:29332071-29347904	18.2717	17.4956	-0.0626	0.009811
<i>Trmt61b</i>	chr17:71557026-71598755	3.1210	3.2586	0.0622	0.418984
<i>Gm15971</i>	chr16:94620376-94620587	12.4038	10.8835	-0.1886	0.512436
<i>Scp2</i>	chr4:108043838-108144998	17.5916	18.5226	0.0744	0.722911
<i>Gm15747</i>	chr5:123393648-123397957	4.6150	4.1070	-0.1683	0.516219
<i>Zfp14</i>	chr7:30038052-30044734	4.6898	4.2605	-0.1385	0.502492
<i>Gmp</i>	chr8:69808678-69821870	25.1155	24.0567	-0.0621	0.348199
<i>Plin3</i>	chr17:56278961-56290511	17.2895	17.7996	0.0420	0.694632
<i>Nhs1</i>	chr10:18390321-18533892	0.7841	0.8273	0.0775	0.696352
<i>Sgk1</i>	chr10:21882183-21999903	35.2154	36.1141	0.0364	0.731982
<i>Sec63</i>	chr10:42761495-42832514	13.2479	13.5006	0.0273	0.704264
<i>Asf1a</i>	chr10:53596960-53609213	25.1663	23.8444	-0.0778	0.434417
<i>Dnajc12</i>	chr10:63382442-63408840	0.6289	0.5460	-0.2038	0.392018
<i>Nrbf2</i>	chr10:67266688-67285305	3.8176	4.0243	0.0761	0.603324
<i>Adora2a</i>	chr10:75316942-75334788	6.7545	6.1600	-0.1329	0.596307
<i>Stk11</i>	chr10:80115802-80130682	17.4205	16.5602	-0.0731	0.448351
<i>Fhl4</i>	chr10:85097018-85102495	0.7749	0.6767	-0.1955	0.478379
<i>Cdk17</i>	chr10:93160875-93241342	74.7381	75.6067	0.0167	0.666170
<i>Cct2</i>	chr10:117050997-117063814	236.4106	240.5508	0.0250	0.719960
<i>B4galnt1</i>	chr10:127165155-127172340	235.8413	241.4951	0.0342	0.761064
<i>Ptges3</i>	chr10:128058953-128077272	13.2265	12.4374	-0.0887	0.503405
<i>Pa2g4</i>	chr10:128557765-128565934	38.8130	39.7750	0.0353	0.708797
<i>Vmn2r84</i>	chr10:130385315-130394241	2.0301	1.8132	-0.1630	0.651804
<i>Tug1</i>	chr11:3639784-3649673	41.4640	39.4664	-0.0712	0.492367
<i>Pes1</i>	chr11:3963974-3980004	25.3892	25.9038	0.0289	0.707579
<i>Thoc5</i>	chr11:4895319-4928867	23.5775	23.9281	0.0213	0.657720
<i>Polm</i>	chr11:5827859-5838016	5.2773	5.5068	0.0614	0.735029
<i>Aftph</i>	chr11:20685083-20741589	26.2983	26.7015	0.0219	0.650333
<i>Nsg2</i>	chr11:32000462-32059202	94.1078	95.5257	0.0216	0.739141
<i>Mat2b</i>	chr11:40679313-40695203	27.8583	26.6394	-0.0645	0.313606
<i>Itk</i>	chr11:46325149-46389515	154.4959	148.7241	-0.0549	0.256486
<i>Col23a1</i>	chr11:51289919-51583918	4.5729	4.2787	-0.0959	0.563430
<i>Kif3a</i>	chr11:53567378-53601967	0.8569	0.9371	0.1291	0.582005
<i>Gm12229</i>	chr11:54746356-54746824	2.5156	2.9167	0.2135	0.611730
<i>Guk1</i>	chr11:59183874-59192212	16.0962	15.1341	-0.0889	0.488351
<i>Nt5m</i>	chr11:59839446-59880968	3.7021	3.4421	-0.1050	0.503338
<i>Llg1</i>	chr11:60699722-60714186	11.2187	10.7319	-0.0640	0.281775
<i>Cntrob</i>	chr11:69299486-69323775	3.9264	3.6766	-0.0948	0.538739
<i>Rabep1</i>	chr11:70844777-70943105	19.7779	18.8238	-0.0713	0.458956
<i>Rpain</i>	chr11:70970212-70977833	12.9523	13.2969	0.0379	0.717919
<i>Ankfy1</i>	chr11:72690005-72772146	18.1148	18.3919	0.0219	0.750381
<i>Myo1c</i>	chr11:75650503-75673910	4.0432	3.7903	-0.0932	0.534018
<i>Fam57a</i>	chr11:76179670-76214827	5.8359	5.5519	-0.0720	0.381515
<i>Cryba1</i>	chr11:77718614-77725283	1.0431	1.1841	0.1829	0.635104
<i>Phf12</i>	chr11:77982753-78030539	17.2914	16.4568	-0.0714	0.500944
<i>Flot2</i>	chr11:78037930-78060434	7.8675	8.2316	0.0653	0.696137
<i>Rhot1</i>	chr11:80209018-80267907	13.2087	12.6313	-0.0645	0.358322
<i>Pex12</i>	chr11:83294641-83302586	4.6145	4.3437	-0.0873	0.394029

<i>Dhrs11</i>	chr11:84820855-84828994	4.8938	4.4722	-0.1300	0.572429
<i>Cltc</i>	chr11:86694350-86757565	42.7252	40.7246	-0.0692	0.525854
<i>Mir142b</i>	chr11:87756863-87756927	103.6393	94.2887	-0.1364	0.555897
<i>2010300F17Rik</i>	chr11:96712981-96747436	22.3474	22.7912	0.0284	0.613882
<i>Zpbp2</i>	chr11:98551096-98558665	1.7242	1.5469	-0.1566	0.321177
<i>Gm10039</i>	chr11:100361617-100362151	3.6710	3.1581	-0.2171	0.612845
<i>Rundc1</i>	chr11:101425084-101435673	9.7175	9.9563	0.0350	0.658252
<i>Tmem106a</i>	chr11:101582241-101591788	0.8388	0.9254	0.1417	0.643040
<i>Ccdc43</i>	chr11:102684685-102697782	11.0942	10.5501	-0.0725	0.313742
<i>1700028N14Rik</i>	chr11:103264859-103267745	3.2705	3.5897	0.1344	0.597169
<i>Kcnh6</i>	chr11:106008123-106034549	0.8870	0.9656	0.1226	0.645868
<i>Ccdc47</i>	chr11:106197407-106216344	17.3299	16.5472	-0.0667	0.348543
<i>Icam2</i>	chr11:106377655-106388075	27.4660	26.2384	-0.0660	0.236924
<i>Smurf2</i>	chr11:106820065-106920715	25.0529	25.4247	0.0212	0.714691
<i>1810010H24Rik</i>	chr11:107028117-107030443	1.4166	1.6058	0.1809	0.675102
<i>Nol11</i>	chr11:107166662-107189381	16.9464	16.1578	-0.0687	0.355222
<i>2310067B10Rik</i>	chr11:115765432-115799366	7.3688	6.9188	-0.0909	0.567333
<i>Eif4a3</i>	chr11:119288362-119300089	44.3993	45.0867	0.0222	0.643955
<i>Smc6</i>	chr12:11265885-11319785	47.4869	48.4784	0.0298	0.723503
<i>Dock4</i>	chr12:40446052-40846486	0.2516	0.2187	-0.2020	0.472601
<i>Nubpl</i>	chr12:52097736-52312744	0.9982	0.8936	-0.1598	0.572714
<i>Gm9812</i>	chr12:55820610-55821580	5.7593	5.2239	-0.1408	0.560178
<i>Atp5s</i>	chr12:69724961-69744658	2.2083	1.9840	-0.1545	0.466766
<i>Mfsd7c</i>	chr12:85746538-85813585	0.3894	0.4379	0.1694	0.371412
<i>Eml5</i>	chr12:98786603-98901484	13.4785	13.7062	0.0242	0.732417
<i>Lgmn</i>	chr12:102394083-102439813	0.5946	0.6674	0.1667	0.532338
<i>Gm20604</i>	chr12:102741731-102758672	5.0986	5.2805	0.0506	0.616977
<i>Moap1</i>	chr12:102742229-102743661	5.0109	4.5609	-0.1357	0.501116
<i>Gm16084</i>	chr12:107147163-107160207	1.6152	1.3347	-0.2752	0.574970
<i>Ighm</i>	chr12:113418949-113422730	251.0380	234.7030	-0.0971	0.600982
<i>Fam208b</i>	chr13:3566035-3611108	45.0336	42.8293	-0.0724	0.516497
<i>Pitrm1</i>	chr13:6548156-6580139	31.2946	30.0824	-0.0570	0.152195
<i>Psm2</i>	chr13:14613241-14625671	133.9763	138.1356	0.0441	0.739437
<i>Hist1h2bl</i>	chr13:21715762-21716143	6.8920	7.5954	0.1402	0.582334
<i>Hist1h3c</i>	chr13:23744972-23745602	8.0197	8.7095	0.1190	0.715626
<i>Gm11345</i>	chr13:24366775-24375950	7.5832	8.1458	0.1032	0.625233
<i>BC005537</i>	chr13:24801656-24814013	64.8044	66.6807	0.0412	0.769700
<i>Hus1b</i>	chr13:30946572-30947759	0.9319	0.7496	-0.3140	0.525226
<i>Nrn1</i>	chr13:36725624-36734477	1.4009	1.5645	0.1593	0.679040
<i>Tmem170b</i>	chr13:41606215-41641347	4.5321	4.6503	0.0371	0.683719
<i>Hk3</i>	chr13:55005984-55021385	0.9511	0.8478	-0.1659	0.540859
<i>Gm17617</i>	chr13:55132961-55133548	58.5195	51.5883	-0.1819	0.311924
<i>Zfp935</i>	chr13:62454322-62466709	10.5198	9.7598	-0.1082	0.501041
<i>Zfp748</i>	chr13:67538640-67553138	17.6744	16.6173	-0.0890	0.551572
<i>Cmya5</i>	chr13:93040712-93144724	1.2062	1.2480	0.0491	0.648607
<i>Nsa2</i>	chr13:97129426-97137926	23.2011	24.4531	0.0758	0.728782
<i>Cdk7</i>	chr13:100697026-100730942	9.2038	8.7521	-0.0726	0.394326
<i>Gm2822</i>	chr13:108313098-108316273	0.7729	0.8530	0.1423	0.556632
<i>Mrps30</i>	chr13:118380109-118387252	30.9396	31.5693	0.0291	0.650267
<i>Fam133b</i>	chr5:3543843-3569810	25.8074	26.7255	0.0504	0.700292
<i>Pex1</i>	chr5:3596065-3637232	3.2378	3.0460	-0.0881	0.514075
<i>Rundc3b</i>	chr5:8490333-8622952	9.4914	9.7918	0.0450	0.725154
<i>Gm5106</i>	chr5:8773576-8798523	0.7987	0.6703	-0.2529	0.390599
<i>Nupl2</i>	chr5:24164962-24184013	3.0915	3.2310	0.0637	0.701208
<i>Fastk</i>	chr5:24438439-24445287	17.6747	18.0676	0.0317	0.721656
<i>Krtcap3</i>	chr5:31251690-31253202	9.9178	9.1416	-0.1176	0.577221
<i>Zfp512</i>	chr5:31452435-31481749	14.8069	14.1089	-0.0697	0.278695
<i>Supt7l</i>	chr5:31514568-31527807	6.4868	6.6992	0.0465	0.699770
<i>Depdc5</i>	chr5:32863700-32994231	5.9915	5.7260	-0.0654	0.329167
<i>Htt</i>	chr5:34761739-34912534	12.7047	12.0413	-0.0774	0.569760
<i>Bloc1s4</i>	chr5:36747373-36748679	10.6660	11.1078	0.0585	0.658396
<i>5730480H06Rik</i>	chr5:48395572-48414294	1.3840	1.5580	0.1709	0.696186
<i>Pi4k2b</i>	chr5:52741586-52769344	2.6020	2.4316	-0.0977	0.295998
<i>NA</i>	chr5:73193827-73256588	23.2206	23.8499	0.0386	0.741612
<i>Dancr</i>	chr5:74093059-74095405	5.0433	4.7249	-0.0941	0.264618
<i>Gm26582</i>	chr5:92043063-92055960	55.6896	56.6289	0.0241	0.677778
<i>Ccng2</i>	chr5:93267256-93276231	21.3771	20.4892	-0.0612	0.330909
<i>C230066G23Rik</i>	chr5:105580439-105581772	4.3597	4.7717	0.1303	0.592604
<i>Zfp644</i>	chr5:106500893-106697287	21.9042	22.3222	0.0273	0.689549
<i>Ep400</i>	chr5:110664372-110770717	17.1882	17.7508	0.0465	0.770815
<i>Pus1</i>	chr5:110773666-110780659	17.9301	18.3762	0.0355	0.692404

<i>Ulk1</i>	chr5:110784487-110810097	3.5192	3.6866	0.0670	0.694491
<i>Ficd</i>	chr5:113735781-113740600	3.4141	3.1840	-0.1007	0.324159
<i>Gm10401</i>	chr5:115097688-115098295	18.2418	19.2409	0.0769	0.685857
<i>Pebp1</i>	chr5:117282650-117287625	11.7388	10.8826	-0.1093	0.569319
<i>Sfswap</i>	chr5:129501230-129571383	25.9424	26.6200	0.0372	0.731936
<i>Gatsl2</i>	chr5:134099710-134144343	0.9984	0.9225	-0.1140	0.462916
<i>Limk1</i>	chr5:134656038-134688590	6.6470	6.2676	-0.0848	0.529339
<i>Gpr146</i>	chr5:139377741-139396415	14.7641	14.1555	-0.0607	0.225972
<i>Slc7a1</i>	chr5:148327409-148399904	8.8429	9.2045	0.0578	0.766087
<i>Acn9</i>	chr6:6956003-7042979	1.1010	1.0040	-0.1331	0.427622
<i>Calu</i>	chr6:29348068-29377110	33.8963	34.6147	0.0303	0.720017
<i>Slc37a3</i>	chr6:39334769-39377707	9.9945	9.4236	-0.0849	0.552538
<i>Zfp282</i>	chr6:47877203-47908485	4.2624	4.3626	0.0335	0.648200
<i>Gm7887</i>	chr6:48524371-48525105	1.2485	1.4909	0.2559	0.610977
<i>Cbx3</i>	chr6:51470359-51483704	7.4713	7.6839	0.0405	0.640047
<i>Plekha8</i>	chr6:54595110-54645839	0.0941	0.1158	0.2996	0.597928
<i>Fkbp9</i>	chr6:56832058-56879358	0.3082	0.2549	-0.2740	0.460763
<i>Rnf103</i>	chr6:71493893-71525020	8.5051	8.1248	-0.0660	0.141539
<i>Htra2</i>	chr6:83051265-83055273	17.3067	17.8615	0.0455	0.747052
<i>Anxa4</i>	chr6:86736839-86793584	0.5634	0.6148	0.1259	0.578979
<i>Ruvbl1</i>	chr6:88465408-88497572	9.1865	9.4934	0.0474	0.594788
<i>Mcm2</i>	chr6:88883474-88898780	29.6719	30.1470	0.0229	0.724724
<i>Mtmr14</i>	chr6:113237842-113281387	13.6598	13.9506	0.0304	0.636387
<i>Ankrd26</i>	chr6:118502563-118562256	7.8764	7.5180	-0.0672	0.267020
<i>Pex26</i>	chr6:121183666-121198837	3.0898	2.9184	-0.0824	0.300023
<i>Lpcat3</i>	chr6:124663026-124704418	15.1197	14.4471	-0.0657	0.194909
<i>Spsb2</i>	chr6:124808660-124810619	1.5452	1.6952	0.1336	0.571388
<i>Mlf2</i>	chr6:124931387-124936138	35.9518	36.7745	0.0326	0.656415
<i>Cd27</i>	chr6:125232621-125237010	116.1826	117.4404	0.0155	0.733247
<i>2700089E24Rik</i>	chr6:133105238-133107747	22.4497	23.0897	0.0405	0.673741
<i>NA</i>	chr6:136608858-136610870	17.6323	18.2694	0.0512	0.767585
<i>Recql</i>	chr6:142350341-142387087	18.0129	17.1452	-0.0712	0.425441
<i>Rdh13</i>	chr7:4424769-4445649	2.9317	2.7775	-0.0780	0.258675
<i>Qpctl</i>	chr7:19140216-19149196	4.8951	4.5503	-0.1054	0.485765
<i>Ciptm1</i>	chr7:19631580-19665030	21.2151	20.2957	-0.0639	0.391746
<i>Gsk3a</i>	chr7:25228257-25237851	36.4768	37.2839	0.0316	0.725882
<i>Pafah1b3</i>	chr7:25295048-25297986	3.2026	2.9621	-0.1127	0.411098
<i>Blvrb</i>	chr7:27447977-27466144	1.6714	1.8465	0.1437	0.582433
<i>Uba2</i>	chr7:34140688-34169599	43.6151	41.6596	-0.0662	0.404455
<i>C230052I12Rik</i>	chr7:35392274-35396817	7.6448	7.1455	-0.0974	0.348447
<i>Tbc1d17</i>	chr7:44840900-44849079	13.7329	14.1561	0.0438	0.741669
<i>A230056P14Rik</i>	chr7:55962530-55980868	0.3911	0.3271	-0.2580	0.364477
<i>Trpm1</i>	chr7:64153834-64269775	1.9316	1.9917	0.0443	0.705233
<i>Mrps11</i>	chr7:78783118-78792989	5.7595	6.0148	0.0626	0.700453
<i>Tm6sf1</i>	chr7:81859000-81884434	22.8168	23.3478	0.0332	0.775089
<i>C2cd3</i>	chr7:100372232-100470159	12.3873	12.7483	0.0414	0.772524
<i>Eri2</i>	chr7:119768678-119794058	3.3523	3.4638	0.0472	0.681702
<i>Usp31</i>	chr7:121642020-121707253	7.1547	7.3507	0.0390	0.757358
<i>Dctn5</i>	chr7:122133040-122149044	32.3423	30.9291	-0.0645	0.311655
<i>Gtf3c1</i>	chr7:125640954-125707780	18.9087	17.9719	-0.0733	0.506791
<i>Cd19</i>	chr7:126408449-126414870	0.2799	0.3721	0.4107	0.622943
<i>Bcl7c</i>	chr7:127663352-127708933	0.9882	0.8845	-0.1599	0.618124
<i>Gm21974</i>	chr7:127886226-127895454	2.7303	2.4543	-0.1538	0.552540
<i>Lhpp</i>	chr7:132610637-132706420	1.1078	1.2122	0.1300	0.500351
<i>Mmp21</i>	chr7:133674269-133680061	0.3848	0.4468	0.2156	0.603208
<i>9430038I01Rik</i>	chr7:137375573-137410762	1.3770	1.4473	0.0719	0.455638
<i>Glrx3</i>	chr7:137437647-137468594	12.3722	11.5618	-0.0977	0.549894
<i>Lrrc56</i>	chr7:141194156-141210055	1.3129	1.2166	-0.1099	0.417299
<i>Muc6</i>	chr7:141633971-141655319	0.1265	0.1491	0.2373	0.634748
<i>Pcp2</i>	chr8:3623370-3625545	1.8188	1.9619	0.1093	0.569812
<i>Champ1</i>	chr8:13869640-13881639	13.2702	13.5146	0.0263	0.708216
<i>Gm26804</i>	chr8:20292476-20420781	1.3312	1.5038	0.1759	0.518587
<i>Ckap2</i>	chr8:22168151-22185819	2.4789	2.6470	0.0947	0.725338
<i>Dusp4</i>	chr8:34807296-34819894	1.4445	1.2718	-0.1837	0.582335
<i>Asah1</i>	chr8:41340196-41374773	10.5362	10.8516	0.0425	0.664730
<i>Aga</i>	chr8:53511701-53523421	14.9098	14.0814	-0.0825	0.237271
<i>Spcs3</i>	chr8:54520432-54529998	40.6300	41.4405	0.0285	0.720928
<i>Galnt7</i>	chr8:57523827-57653032	11.9475	12.1981	0.0299	0.707274
<i>2700029M09Rik</i>	chr8:60890417-60907580	19.5226	18.4998	-0.0776	0.397088
<i>Nek1</i>	chr8:60993194-61131346	4.0175	4.1500	0.0468	0.723951
<i>Sugp1</i>	chr8:70042812-70071953	21.9253	20.4749	-0.0987	0.580846

<i>Myo9b</i>	chr8:71272713-71360712	42.8044	40.9508	-0.0639	0.458758
<i>Rfx1</i>	chr8:84066835-84096992	14.0974	13.3579	-0.0777	0.534516
<i>Itfg1</i>	chr8:85717556-85840949	24.3471	24.8336	0.0285	0.729940
<i>Gm15890</i>	chr8:94379236-94386972	1.9715	2.2945	0.2189	0.617311
<i>Car7</i>	chr8:104534699-104550343	1.3486	1.4826	0.1367	0.658397
<i>Cyb5b</i>	chr8:107150660-107187470	28.0322	26.8620	-0.0615	0.224799
<i>Pkd1l3</i>	chr8:109614516-109672592	3.5384	3.3428	-0.0820	0.393109
<i>Pdpr</i>	chr8:111094629-111137074	19.8504	19.0140	-0.0621	0.330620
<i>Tmem170</i>	chr8:111864897-111876675	2.5619	2.3372	-0.1324	0.507175
<i>Kbtbd3</i>	chr9:4309742-4331721	3.7829	3.9684	0.0691	0.611172
<i>Qtrt1</i>	chr9:21411836-21420277	23.1715	24.0968	0.0565	0.755255
<i>Ubash3b</i>	chr9:41011097-41161697	9.5205	9.7693	0.0372	0.743205
<i>H2afx</i>	chr9:44334714-44336071	17.3452	18.3165	0.0786	0.749319
<i>Slc37a4</i>	chr9:44398175-44402963	13.1010	12.3149	-0.0893	0.467663
<i>Pstpip1</i>	chr9:56089961-56128888	44.2639	45.0390	0.0250	0.733304
<i>Tle3</i>	chr9:61372365-61418497	18.7002	17.7197	-0.0777	0.544711
<i>Snpc5</i>	chr9:64179296-64182684	35.9661	33.8443	-0.0877	0.476337
<i>Pdcd7</i>	chr9:65346067-65359642	14.6488	13.9979	-0.0656	0.065610
<i>Ddx43</i>	chr9:78395776-78423587	1.2466	1.3511	0.1162	0.519226
<i>Atr</i>	chr9:95857596-95951644	23.4691	22.3588	-0.0699	0.478945
<i>Dusp7</i>	chr9:106368631-106375724	15.6230	14.8120	-0.0769	0.517403
<i>Elp6</i>	chr9:110305191-110322092	3.8139	3.4983	-0.1246	0.470587
<i>Cln5</i>	chrX:7153809-7319358	0.8038	0.8528	0.0853	0.690750
<i>Ppp1r3fos</i>	chrX:7573599-7581015	1.4815	1.3378	-0.1472	0.568687
<i>A230072C01Rik</i>	chrX:20961683-20986737	3.5059	3.7384	0.0926	0.583855
<i>Tmem255a</i>	chrX:38196572-38252439	1.0831	1.1807	0.1246	0.697567
<i>Gm4987</i>	chrX:46455886-46456294	9.9680	10.8532	0.1227	0.634086
<i>Gm14680</i>	chrX:62775150-62776742	0.7107	0.8056	0.1809	0.413849
<i>Mttr1</i>	chrX:71364759-71419196	21.5940	20.6334	-0.0656	0.338627
<i>Gm14780</i>	chrX:93527572-93530309	0.3717	0.4356	0.2290	0.627281
<i>Zc4h2</i>	chrX:95639192-95658509	1.7277	1.5496	-0.1570	0.516645
<i>Taf1</i>	chrX:101532733-101601789	24.1259	23.1226	-0.0613	0.284965
<i>Gm6206</i>	chrX:103162893-103165427	1.2386	1.3557	0.1303	0.633528
<i>Plp1</i>	chrX:136822670-136839733	0.9418	0.9993	0.0856	0.569801
<i>Tbc1d8b</i>	chrX:139684995-139753405	5.6956	5.3536	-0.0893	0.564817
<i>Wdr70</i>	chr15:7873054-8099209	9.8347	10.1203	0.0413	0.604678
<i>Z410089E03Rik</i>	chr15:8169105-8271158	4.4429	4.2103	-0.0776	0.494717
<i>Emc2</i>	chr15:43477228-43527777	42.0596	43.4135	0.0457	0.719655
<i>Mtbp</i>	chr15:55557407-55626423	4.6024	4.7055	0.0320	0.614080
<i>D15Ert621e</i>	chr15:58415467-58457801	20.6496	20.8994	0.0173	0.684035
<i>Ndufb9</i>	chr15:58933809-58939489	79.5529	82.8365	0.0584	0.731030
<i>Fam83h</i>	chr15:76001092-76014336	0.3632	0.4080	0.1677	0.410741
<i>Zfp7</i>	chr15:76879258-76892392	20.8851	19.9023	-0.0695	0.342285
<i>L3mbtl2</i>	chr15:81663888-81688315	9.8481	10.0498	0.0292	0.694536
<i>Ttll12</i>	chr15:83575118-83595157	9.6093	8.9945	-0.0954	0.597372
<i>Celsr1</i>	chr15:85898757-86033777	11.2638	10.4487	-0.1084	0.645548
<i>Il17rb</i>	chr14:29996140-30008896	1.6142	1.7145	0.0870	0.389909
<i>Cacna1d</i>	chr14:30039948-300491156	0.1215	0.1373	0.1764	0.405870
<i>Oxnad1</i>	chr14:32085373-32103202	4.4828	4.6014	0.0377	0.603449
<i>Glud1</i>	chr14:34310726-34345144	57.8744	58.5064	0.0157	0.773247
<i>Gm15765</i>	chr14:45211522-45212432	0.8447	0.9859	0.2231	0.512137
<i>Gpr137c</i>	chr14:45219718-45281230	0.4899	0.4242	-0.2078	0.457044
<i>Apex1</i>	chr14:50924967-50927139	45.2702	46.3881	0.0352	0.689299
<i>Rpgrip1</i>	chr14:52110703-52163546	8.3012	7.9699	-0.0588	0.250912
<i>Trav12-3</i>	chr14:53621656-53622243	4.1390	3.5714	-0.2128	0.463235
<i>Trav14-3</i>	chr14:53763082-53765043	1.9983	1.7508	-0.1908	0.468714
<i>Gm20521</i>	chr14:54883440-54898137	64.3233	60.6871	-0.0840	0.546253
<i>Mttr6</i>	chr14:60265204-60302370	35.4328	36.2749	0.0339	0.704602
<i>Mir15a</i>	chr14:61632026-61632110	12.2284	9.9969	-0.2907	0.493001
<i>Ints6</i>	chr14:62676329-62761112	24.1238	22.9984	-0.0689	0.411076
<i>Elp3</i>	chr14:65530445-65593112	28.0220	28.4232	0.0205	0.693964
<i>Ccdc25</i>	chr14:65837301-65866604	19.5755	18.5401	-0.0784	0.461308
<i>Pcca</i>	chr14:122534323-122891100	8.5143	8.7267	0.0356	0.682588
<i>Rps6ka2</i>	chr17:7170114-7303313	0.8796	0.9469	0.1064	0.650013
<i>NA</i>	chr17:17374331-17394898	18.0154	17.2283	-0.0645	0.224028
<i>Zfp51</i>	chr17:21450351-21465591	27.1974	27.9574	0.0398	0.719702
<i>Rab26</i>	chr17:24527240-24534210	1.4627	1.3257	-0.1419	0.417324
<i>Snhg9</i>	chr17:24719530-24719965	4.7700	3.9997	-0.2541	0.093909
<i>Ggnbp1</i>	chr17:26973216-27036378	15.6209	14.9326	-0.0650	0.357774
<i>Rps2-ps9</i>	chr17:27784426-27785243	1.4545	1.6865	0.2135	0.615974
<i>Snrpc</i>	chr17:27839973-27851968	3.3192	3.4248	0.0452	0.635568

<i>Ppil1</i>	chr17:29250802-29264158	12.1496	11.4543	-0.0850	0.470674
<i>Zfp799</i>	chr17:32815454-32822200	6.3882	6.0868	-0.0697	0.269513
<i>Zfp763</i>	chr17:33016862-33033402	7.3945	6.9028	-0.0993	0.502739
<i>BC033916</i>	chr17:33905134-33906675	2.7883	4.2362	0.6034	0.446211
<i>Tap1</i>	chr17:34187552-34197225	80.3009	76.2621	-0.0745	0.526535
<i>Agpat1</i>	chr17:34604261-34613449	17.1104	16.2311	-0.0761	0.476289
<i>Gm10501</i>	chr17:34976898-34981788	2.0547	1.8796	-0.1285	0.396668
<i>Ppp1r18os</i>	chr17:35860917-35866886	2.6219	2.9235	0.1571	0.601551
<i>Mir1894</i>	chr17:35917888-35917969	96.2433	101.0334	0.0701	0.551605
<i>BC023719</i>	chr17:36111425-36117121	3.1800	2.8480	-0.1591	0.247173
<i>Bysl</i>	chr17:47599330-47611492	18.2327	17.3436	-0.0721	0.460425
<i>Plin4</i>	chr17:56100590-56109802	0.3977	0.4451	0.1626	0.653522
<i>Gpatch11</i>	chr17:78835515-78848299	8.5480	8.0505	-0.0865	0.485482
<i>Zfp174</i>	chr16:3847267-3858880	1.0743	1.1360	0.0806	0.680750
<i>Mgrn1</i>	chr16:4886099-4938296	8.7838	8.3182	-0.0786	0.436338
<i>Ubn1</i>	chr16:5050067-5086285	33.3976	32.0182	-0.0609	0.372360
<i>Dexi</i>	chr16:10530206-10543054	9.8696	9.1881	-0.1032	0.509718
<i>Dgcr14</i>	chr16:17900710-17911348	15.1520	15.5948	0.0416	0.743054
<i>Vwa5b2</i>	chr16:20589470-20605377	0.1463	0.1668	0.1886	0.591480
<i>Gm15696</i>	chr16:31970361-31970806	1.6245	2.0395	0.3282	0.683797
<i>Pak2</i>	chr16:32016289-32079342	48.7255	46.7695	-0.0591	0.355349
<i>Tnk2os</i>	chr16:32665222-32668197	1.4756	1.2809	-0.2042	0.560353
<i>Fbxo40</i>	chr16:36963459-36990467	0.7467	0.6736	-0.1486	0.479318
<i>NA</i>	chr16:43620876-43623955	2.9006	3.1167	0.1037	0.729815
<i>Bbx</i>	chr16:50191843-50432390	9.1611	8.8092	-0.0565	0.192153
<i>Stx19</i>	chr16:62814675-62824346	0.6936	0.5941	-0.2233	0.608980
<i>Rwdd2b</i>	chr16:87433406-87440573	7.7169	7.2816	-0.0838	0.155171
<i>Bach1</i>	chr16:87698944-87733346	11.1174	10.6531	-0.0615	0.125382
<i>Dnajc28</i>	chr16:91614256-91619026	2.6310	2.4163	-0.1228	0.529083
<i>NA</i>	chr16:92078061-92083808	5.9092	5.2281	-0.1767	0.615883
<i>Ttc3</i>	chr16:94370617-94469222	24.7617	25.2721	0.0294	0.710555
<i>Gm23692</i>	chr16:94429072-94429232	4.7943	5.6363	0.2334	0.492776
<i>Cdk2ap2</i>	chr19:4097181-4099019	75.4248	70.7354	-0.0926	0.584472
<i>Klc2</i>	chr19:5107745-5118560	3.5579	3.6849	0.0506	0.601933
<i>Sipa1</i>	chr19:5651184-5663707	54.7619	56.0758	0.0342	0.759949
<i>Malat1</i>	chr19:5795689-5802672	1735.8982	1764.8875	0.0239	0.781797
<i>Bad</i>	chr19:6941860-6951898	7.4687	7.7688	0.0568	0.645942
<i>Vegfb</i>	chr19:6982472-6987651	3.2122	3.4099	0.0862	0.427739
<i>Otub1</i>	chr19:7198201-7206316	31.0057	31.6779	0.0309	0.720107
<i>Incenp</i>	chr19:9872296-9899533	10.1236	10.4731	0.0490	0.738825
<i>Tmem2</i>	chr19:21778341-21858327	0.7158	0.7915	0.1451	0.726255
<i>Plgrkt</i>	chr19:29348598-29367390	44.8261	42.7895	-0.0671	0.457503
<i>Hectd2</i>	chr19:36554638-36621135	1.5175	1.4007	-0.1156	0.572004
<i>Aldh18a1</i>	chr19:40550256-40588463	22.3516	21.3660	-0.0651	0.272272
<i>Zfp518a</i>	chr19:40894704-40917947	19.4416	19.9248	0.0354	0.730461
<i>Arfgef1</i>	chr1:10137570-10232670	19.4277	19.9793	0.0404	0.777238
<i>Gm26348</i>	chr1:10166538-10166778	5.5906	4.6004	-0.2812	0.573774
<i>Rpl7</i>	chr1:16101294-16104662	247.1509	258.4906	0.0647	0.744284
<i>Hs6st1</i>	chr1:36068399-36106446	8.2457	7.7684	-0.0860	0.486799
<i>Tmem131</i>	chr1:36792190-36939527	13.7111	14.2252	0.0531	0.766592
<i>AI597479</i>	chr1:43098709-43115947	11.5655	11.8788	0.0386	0.691452
<i>Eef1b2</i>	chr1:63176824-63180486	271.7987	254.1183	-0.0970	0.612491
<i>Rpl10a-ps1</i>	chr1:64993923-64994631	16.0164	17.0544	0.0906	0.704501
<i>Kansl1l</i>	chr1:66719247-66817562	8.2270	8.4691	0.0418	0.696792
<i>Rpl37a</i>	chr1:72711259-72713809	113.7828	119.8450	0.0749	0.751197
<i>Rqcd1</i>	chr1:74506057-74530844	14.8745	15.1323	0.0248	0.594181
<i>Wdfy1</i>	chr1:79702261-79776143	4.2011	3.9888	-0.0748	0.366388
<i>Rhbdd1</i>	chr1:82316451-82445366	9.9920	9.4936	-0.0738	0.400330
<i>Snord82</i>	chr1:86356260-86356330	18.6243	21.5781	0.2124	0.687639
<i>Traf3ip1</i>	chr1:91494667-91529303	5.0791	5.2481	0.0472	0.603036
<i>Ing5</i>	chr1:93803964-93822101	21.2945	20.4341	-0.0595	0.154182
<i>Gm22710</i>	chr1:118459140-118459265	14.7192	12.5493	-0.2301	0.604850
<i>NA</i>	chr1:119526424-119528224	19.7147	18.6927	-0.0768	0.349316
<i>Zbed6</i>	chr1:133619939-133661318	24.6893	25.4519	0.0439	0.762762
<i>Ncf2</i>	chr1:152807889-152836990	1.8984	2.0552	0.1145	0.726112
<i>Tnn</i>	chr1:160085035-160153580	0.1115	0.1397	0.3258	0.700545
<i>Gm23212</i>	chr1:161036681-161036741	332.6930	343.9338	0.0479	0.722784
<i>Uap1</i>	chr1:170141937-170174957	9.3328	9.6114	0.0424	0.703729
<i>Dusp12</i>	chr1:170873497-170885540	7.9208	7.5010	-0.0786	0.275175
<i>Ppox</i>	chr1:171275989-171281186	11.7896	11.2677	-0.0653	0.246601
<i>Slamf1</i>	chr1:171767126-171801184	6.3289	5.9238	-0.0954	0.461030

<i>Dcaf8</i>	chr1:172148014-172196393	51.6374	52.3537	0.0199	0.738558
<i>Fh1</i>	chr1:175600373-175625635	12.3684	11.7720	-0.0713	0.307635
<i>Cd46</i>	chr1:195041284-195092248	2.8322	2.6190	-0.1129	0.438512
<i>Rock1</i>	chr18:10064400-10181792	51.9091	52.9153	0.0277	0.717041
<i>3110002H16Rik</i>	chr18:12168716-12189997	22.2581	21.3178	-0.0623	0.312499
<i>Gm26823</i>	chr18:31859081-31861764	1.2503	1.3914	0.1542	0.713779
<i>0610009O20Rik</i>	chr18:38250248-38262629	16.4118	15.6333	-0.0701	0.399465
<i>Napg</i>	chr18:62977835-62999450	14.9689	14.3364	-0.0623	0.140966
<i>Rttn</i>	chr18:88971789-89131013	7.5075	7.1015	-0.0802	0.491779
<i>Fbxo18</i>	chr2:11742572-11777582	13.2265	13.4356	0.0226	0.691420
<i>Trdmt1</i>	chr2:13509013-13544664	3.9243	3.6939	-0.0873	0.189957
<i>Qsox2</i>	chr2:26208636-26237525	5.4033	5.5486	0.0383	0.646936
<i>Gm13563</i>	chr2:26381525-26389018	36.1718	36.9051	0.0290	0.684457
<i>Gm20532</i>	chr2:26586638-26635634	1.7215	1.4845	-0.2136	0.391116
<i>Dolk</i>	chr2:30284228-30286354	6.7362	6.2947	-0.0978	0.377744
<i>Ptges2</i>	chr2:32395895-32402739	6.5583	6.8121	0.0548	0.627500
<i>Phf19</i>	chr2:34893756-34914026	0.8602	0.9168	0.0920	0.548279
<i>Phospho2</i>	chr2:69789622-69800005	11.0551	11.4030	0.0447	0.696286
<i>Hspe1-ps5</i>	chr2:72955897-72956194	9.8560	10.7929	0.1310	0.611320
<i>Gm13689</i>	chr2:80549711-80550396	1.0694	1.2573	0.2336	0.320372
<i>Nup35</i>	chr2:80617235-80658906	3.9602	3.7152	-0.0921	0.378449
<i>Atg13</i>	chr2:91674617-91710576	6.3957	6.5406	0.0323	0.628636
<i>D930015M05Rik</i>	chr2:92408891-92432308	1.4959	1.7065	0.1900	0.640603
<i>Ext2</i>	chr2:93695630-93822568	8.3796	7.9638	-0.0734	0.441209
<i>Ccdc73</i>	chr2:104867804-105017904	2.5098	2.3277	-0.1087	0.524373
<i>Ppip5k1</i>	chr2:121310560-121355396	1.0629	1.0972	0.0458	0.147695
<i>Atrn</i>	chr2:130906494-131030333	7.1804	6.8203	-0.0742	0.534659
<i>Gm14233</i>	chr2:131298544-131299835	8.0851	8.7259	0.1100	0.514312
<i>Gm14284</i>	chr2:131322087-131322366	2.5464	3.1723	0.3171	0.671531
<i>Tmx4</i>	chr2:134594184-134644145	6.8981	6.5770	-0.0688	0.427469
<i>Tbc1d20</i>	chr2:152293827-152313996	23.1154	22.2079	-0.0578	0.182108
<i>Rbck1</i>	chr2:152316333-152332653	40.7445	38.8712	-0.0679	0.479628
<i>1110008F13Rik</i>	chr2:156863127-156873563	31.1894	29.7141	-0.0699	0.391384
<i>Rbl1</i>	chr2:157145892-157204534	18.0889	18.5314	0.0349	0.768340
<i>Ralgapb</i>	chr2:158409847-158499253	16.7638	16.0257	-0.0650	0.431507
<i>Mocs3</i>	chr2:168230621-168232302	8.2126	7.6751	-0.0977	0.456363
<i>Zfp831</i>	chr2:174643533-174710832	13.7509	14.1252	0.0387	0.760093
<i>Gm14399</i>	chr2:175129492-175142012	0.6247	0.7197	0.2042	0.606098
<i>Gm14410</i>	chr2:177183452-177206421	3.2737	3.4315	0.0679	0.588932
<i>Ythdf1</i>	chr2:180904376-180920949	23.9797	22.9140	-0.0656	0.299653
<i>Tpd52l2</i>	chr2:181497164-181517966	11.8743	11.2173	-0.0821	0.476388
<i>Gm21958</i>	chr3:54713175-54714353	7.0377	7.6529	0.1209	0.693497
<i>Kpna4</i>	chr3:69067148-69127113	28.6509	27.4002	-0.0644	0.434392
<i>Gm1647</i>	chr3:69131232-69157177	2.5107	2.7730	0.1434	0.403070
<i>Iqgap3</i>	chr3:88082050-88121048	0.2329	0.2715	0.2217	0.672727
<i>Flad1</i>	chr3:89401003-89411870	11.4406	10.9172	-0.0676	0.198669
<i>Gm15265</i>	chr3:94998799-95004869	21.8280	20.5680	-0.0858	0.463248
<i>Psmc4</i>	chr3:95032693-95042614	48.9070	46.2321	-0.0811	0.483520
<i>Gm15886</i>	chr3:103771951-103789402	47.8118	49.2997	0.0442	0.735982
<i>Rsbn1</i>	chr3:103914119-103966636	22.0032	22.3449	0.0222	0.689214
<i>Lamtor5</i>	chr3:107278857-107284079	17.9320	16.7908	-0.0949	0.421077
<i>Atxn7l2</i>	chr3:108202221-108210934	3.5110	3.3044	-0.0875	0.457156
<i>Nfkb1</i>	chr3:135584654-135691547	61.8593	59.5076	-0.0559	0.216669
<i>Sep15</i>	chr3:144570303-144597680	64.3405	66.1969	0.0410	0.743114
<i>Nexn</i>	chr3:152236985-152266320	3.3797	3.5693	0.0788	0.694381
<i>Rbm12b2</i>	chr4:12089438-12096243	15.6273	14.8802	-0.0707	0.351554
<i>Zbtb5</i>	chr4:44991241-45012412	6.7161	6.3906	-0.0717	0.333231
<i>Fbxo10</i>	chr4:45034246-45084604	1.0927	1.0015	-0.1258	0.327305
<i>Nans</i>	chr4:46489247-46503632	13.5943	13.8450	0.0264	0.687012
<i>Susd1</i>	chr4:59314682-59438633	3.3586	3.5230	0.0689	0.712525
<i>Atp6v1g1</i>	chr4:63544771-63550750	19.8678	18.4958	-0.1032	0.576741
<i>Gm12953</i>	chr4:116551739-116552627	3.6478	3.2468	-0.1680	0.517939
<i>Cdc20</i>	chr4:118432900-118437352	5.7358	6.0784	0.0837	0.723250
<i>Ppt1</i>	chr4:122836241-122859175	26.0602	24.8468	-0.0688	0.446028
<i>Lsm10</i>	chr4:126096622-126098584	14.7834	15.5065	0.0689	0.673986
<i>Gm13063</i>	chr4:132048177-132048961	3.2345	3.5475	0.1333	0.587485
<i>Tmem50a</i>	chr4:134897848-134915024	119.8179	113.8367	-0.0739	0.469536
<i>Zfp46</i>	chr4:136284682-136293942	6.3240	5.9770	-0.0814	0.464762
<i>Spn</i>	chr4:141467889-141538597	4.0639	4.2694	0.0712	0.766628
<i>Rps19-ps3</i>	chr4:147821776-147822202	3.6336	3.1450	-0.2083	0.388032
<i>Per3</i>	chr4:151003651-151044665	0.5193	0.5648	0.1213	0.683985

<i>Espn</i>	chr4:152120330-152152371	0.4223	0.4627	0.1319	0.587002
<i>Gm16023</i>	chr4:155608299-155624755	8.3149	7.8187	-0.0888	0.482404
<i>Mib2</i>	chr4:155654676-155669198	10.7970	11.0920	0.0389	0.713824
<i>Ckap4</i>	chr10:84526304-84534036	0.2868	0.3460	0.2709	0.655378
<i>Ramp3</i>	chr11:6658520-6677475	0.8535	1.0093	0.2419	0.650149
<i>Gm27031</i>	chr13:95954593-95957171	0.3249	0.2633	-0.3031	0.395714
<i>Fxyd7</i>	chr7:31042516-31051462	1.0496	1.2385	0.2387	0.493387
<i>Xlr3b</i>	chrX:73192206-73202930	1.1888	0.6634	-0.8416	0.553140
<i>Carm1</i>	chr9:21546893-21589487	9.3095	8.7917	-0.0826	0.551145
<i>Fam63a</i>	chr3:95281344-95296166	4.2643	4.3863	0.0407	0.690527
<i>Mutyh</i>	chr4:116807722-116819440	6.4064	5.9906	-0.0968	0.516837
<i>Zfp595</i>	chr13:67312997-67332560	13.3176	13.6802	0.0387	0.740430
<i>Nt5dc1</i>	chr10:34288287-34418552	22.2201	22.5409	0.0207	0.659902
<i>Prorsd1</i>	chr11:29511756-29515033	7.2238	7.4936	0.0529	0.683588
<i>Kdelc2</i>	chr9:53384022-53401867	0.2777	0.2252	-0.3025	0.576992
<i>Trav14-2</i>	chr14:53640700-53641224	9.9075	10.5870	0.0957	0.581825
<i>Klf16bos</i>	chr2:142902964-142903572	2.3421	1.9262	-0.2820	0.625269
<i>Plekkg3</i>	chr12:76533559-76579039	1.2326	1.1129	-0.1475	0.632453
<i>Kdm4c</i>	chr4:74242496-74405860	19.3761	19.6832	0.0227	0.698916
<i>Mthfd1l</i>	chr10:3973117-4167081	28.9996	29.4394	0.0217	0.733643
<i>Ctdsp2</i>	chr10:126978716-126999975	14.1582	13.3120	-0.0889	0.602075
<i>Mars</i>	chr10:127296220-127311786	22.2898	22.6472	0.0229	0.750444
<i>Sel1l</i>	chr12:91806042-91849157	15.1235	14.3975	-0.0710	0.534379
<i>Wdr25</i>	chr12:108894271-109028452	1.4115	1.4875	0.0757	0.581905
<i>Idi1</i>	chr13:8885500-8892451	0.6136	0.5374	-0.1913	0.569728
<i>Exoc1</i>	chr5:76529310-76570294	11.9057	11.3048	-0.0747	0.548163
<i>Erc1</i>	chr6:119570803-119848150	1.5348	1.5864	0.0477	0.662137
<i>Gabarapl1</i>	chr6:129533199-129542331	3.5655	3.7548	0.0746	0.638967
<i>Ube3a</i>	chr7:59228751-59306727	42.0373	42.7175	0.0232	0.728431
<i>Gm17023</i>	chr8:13076076-13082740	6.6927	5.9213	-0.1767	0.557142
<i>Dda1</i>	chr8:71469198-71476098	18.2229	17.3944	-0.0671	0.420039
<i>Pop1</i>	chr15:34495303-34530648	5.7239	5.4013	-0.0837	0.433323
<i>Trav8-1</i>	chr14:53469755-53470231	3.2106	2.6778	-0.2618	0.537683
<i>Trav6-7-dv9</i>	chr14:53709901-53710417	2.6464	3.0563	0.2077	0.577454
<i>Gm15556</i>	chr17:47922377-47923429	1.3723	1.1249	-0.2868	0.474799
<i>Fam131a</i>	chr16:20693281-20703048	0.4781	0.5337	0.1586	0.488764
<i>Qtrtd1</i>	chr16:43861406-43926809	11.1400	10.6247	-0.0683	0.393796
<i>4930556123Rik</i>	chr1:37614258-37615372	1.5587	1.7953	0.2039	0.494435
<i>Icos</i>	chr1:60977926-61000320	15.4891	14.6176	-0.0835	0.561739
<i>Uck2</i>	chr1:167226089-167285127	55.6093	57.4552	0.0471	0.746252
<i>Sh2d2a</i>	chr3:87846754-87855722	22.4265	22.9561	0.0337	0.773670
<i>Cc2d1b</i>	chr4:108619939-108634123	35.3597	35.7335	0.0152	0.752495
<i>Spryd4</i>	chr10:128209907-128211794	10.0095	10.5176	0.0714	0.729992
<i>Naif1</i>	chr2:32450456-32456953	3.0906	3.2242	0.0611	0.712691
<i>Gm16364</i>	chr10:39556070-39558062	4.5987	4.9290	0.1001	0.709141
<i>Tmem65</i>	chr15:58782268-58823530	5.6335	5.8145	0.0456	0.692180
<i>Clcn1</i>	chr6:42286684-42315756	0.1433	0.1681	0.2302	0.579404
<i>Emb</i>	chr13:117220624-117274098	186.2430	189.2451	0.0231	0.747623
<i>Spp13</i>	chr5:115011136-115098790	11.7990	11.1265	-0.0847	0.585399
<i>Arlgip4</i>	chr5:124116088-124118196	25.9092	24.4275	-0.0850	0.521607
<i>Sec23b</i>	chr2:144556228-144590749	14.4720	14.7108	0.0236	0.686484
<i>Ash1l</i>	chr3:88965811-89079373	22.4204	22.9712	0.0350	0.780073
<i>Hint3</i>	chr10:30608140-30618479	11.7472	10.9306	-0.1039	0.541939
<i>Zfp873</i>	chr10:82058416-82061329	9.2877	8.6136	-0.1087	0.594089
<i>Zcchc10</i>	chr11:53324678-53333301	3.1371	3.3281	0.0852	0.583454
<i>Hint1</i>	chr11:54866382-54870501	98.7942	103.1283	0.0619	0.747053
<i>Gm12319</i>	chr11:70654740-70656493	27.8038	25.8728	-0.1038	0.466037
<i>Spns2</i>	chr11:72451637-72489904	0.3554	0.3051	-0.2200	0.549288
<i>Gm26563</i>	chr11:80017353-80029868	6.6137	6.2449	-0.0828	0.475478
<i>Gm4787</i>	chr12:81376990-81379464	0.7831	0.6780	-0.2079	0.594436
<i>Gm17193</i>	chr12:84922541-84923512	2.5655	2.2492	-0.1899	0.439103
<i>Sp4</i>	chr12:118234932-118301440	39.4050	39.8821	0.0174	0.731463
<i>Marvel2</i>	chr13:100595956-100616971	1.3213	1.4036	0.0871	0.604615
<i>6030443J06Rik</i>	chr5:22550436-22807850	0.6165	0.5583	-0.1430	0.564054
<i>Fam193a</i>	chr5:34369932-34486456	11.2371	11.5732	0.0425	0.767170
<i>4930515G01Rik</i>	chr5:114773736-114774983	3.0772	3.3030	0.1022	0.646430
<i>Trbv3</i>	chr6:41048393-41048824	104.0612	97.6430	-0.0918	0.564959
<i>5430402O13Rik</i>	chr6:50566642-50594865	2.0886	1.8573	-0.1693	0.281188
<i>Tmem43</i>	chr6:91473702-91488459	20.0862	20.4173	0.0236	0.701604
<i>Phb2</i>	chr6:124712335-124716950	46.8065	47.3792	0.0175	0.730344
<i>Arhgdib</i>	chr6:136923522-136941899	373.3905	385.7700	0.0471	0.763750

<i>Crebzf</i>	chr7:90442728-90447717	63.6783	61.5193	-0.0498	0.150922
<i>Stim1</i>	chr7:102267823-102436848	35.5576	36.1506	0.0239	0.786836
<i>Gm4070</i>	chr7:105895138-105953967	1.8282	1.6537	-0.1447	0.673229
<i>Mob2</i>	chr7:142008552-142061034	28.9608	29.5916	0.0311	0.700051
<i>Lrp2bp</i>	chr8:45999302-46029477	0.5040	0.4414	-0.1914	0.589381
<i>Lrrc29</i>	chr8:105312340-105326276	2.4847	2.6421	0.0886	0.670511
<i>Acd</i>	chr8:105698158-105701095	14.8710	14.0203	-0.0850	0.514473
<i>Hsbp1</i>	chr8:119344537-119348927	36.2531	37.3360	0.0425	0.726156
<i>Zfp810</i>	chr9:22276747-22307638	11.9004	12.1972	0.0355	0.739303
<i>Pus3</i>	chr9:35558594-35567183	33.8561	35.0292	0.0491	0.758930
<i>Hyls1</i>	chr9:35560819-35570103	23.2914	23.9407	0.0397	0.756000
<i>Timm8b</i>	chr9:50603900-50605320	36.1010	37.2886	0.0467	0.672540
<i>Gm17200</i>	chr9:123678095-123701046	6.1786	5.6976	-0.1169	0.578775
<i>Rap2c</i>	chrX:51003911-51018018	22.6903	23.2030	0.0322	0.717534
<i>Zfp275</i>	chrX:73342620-73359080	15.0941	14.5011	-0.0578	0.242841
<i>Zrsr2</i>	chrX:163935442-163958661	9.1271	9.2998	0.0270	0.695284
<i>Lrrc14</i>	chr15:76710622-76717699	5.6075	5.3026	-0.0807	0.483668
<i>Fbln1</i>	chr15:85205948-85286535	0.1958	0.2350	0.2634	0.674154
<i>Trav14-1</i>	chr14:53554056-53554554	22.4696	20.6940	-0.1188	0.487042
<i>Qpct</i>	chr17:79051905-79090243	4.5552	4.7476	0.0597	0.669379
<i>Ccdc14</i>	chr16:34690615-34725194	2.5016	2.6007	0.0560	0.540077
<i>Pitpnm1</i>	chr19:4099997-4113965	34.8445	33.0488	-0.0763	0.576347
<i>Yif1a</i>	chr19:5088537-5092879	14.4510	14.8940	0.0436	0.720303
<i>Prpf19</i>	chr19:10888155-10909559	18.1195	17.2588	-0.0702	0.455883
<i>Gm20407</i>	chr19:27994196-27995693	2.1473	2.3987	0.1598	0.381048
<i>Ar13</i>	chr19:46531108-46573085	9.7576	10.2466	0.0706	0.638481
<i>2810408111Rik</i>	chr1:64679870-64690659	1.6386	1.4220	-0.2045	0.470788
<i>Cnppd1</i>	chr1:75134553-75142368	34.4664	35.0530	0.0243	0.762945
<i>Ilkap</i>	chr1:91375830-91398783	62.8328	60.2502	-0.0606	0.297206
<i>A330023F24Rik</i>	chr1:194976374-195037908	2.0953	2.2143	0.0797	0.782172
<i>Rapgef1</i>	chr2:29619719-29740978	27.1003	25.9220	-0.0641	0.489645
<i>H13</i>	chr2:152669460-152708670	21.8886	22.1145	0.0148	0.741107
<i>Acss2</i>	chr2:155517947-155585724	12.8926	12.2789	-0.0704	0.505056
<i>Ejf2</i>	chr3:51255664-51340644	49.1392	49.7027	0.0164	0.683858
<i>Nhlrc3</i>	chr3:53448587-53463323	8.1660	7.7670	-0.0723	0.409407
<i>Ubqln4</i>	chr3:88553715-88569725	15.9151	16.4249	0.0455	0.753343
<i>Gdap2</i>	chr3:100162380-100206981	10.1566	9.6771	-0.0698	0.330031
<i>Trim33</i>	chr3:103279292-103358768	22.8272	21.9154	-0.0588	0.369570
<i>Cdc14a</i>	chr3:116272552-116424032	3.3259	3.3917	0.0283	0.679515
<i>Gm10306</i>	chr4:94556545-94557078	2.5629	2.8981	0.1774	0.589629
<i>AA415398</i>	chr4:119530307-119539529	2.2086	2.0223	-0.1272	0.535663
<i>Kpna6</i>	chr4:129643979-129672767	11.7724	11.3191	-0.0566	0.220668
<i>Ythdf2</i>	chr4:132184911-132212303	22.4969	21.6159	-0.0576	0.198648
<i>Nipal3</i>	chr4:135446136-135495038	17.7081	16.9441	-0.0636	0.452161
<i>Dhrs3</i>	chr4:144892826-144928209	0.4091	0.3505	-0.2228	0.369529
<i>Mliip</i>	chr4:147860777-147868816	21.6085	22.0142	0.0268	0.760148
<i>Tmprss2</i>	chr16:97564683-97611195	0.2496	0.3052	0.2902	0.689044
<i>F420014N23Rik</i>	chr10:127195248-127202643	4.1272	3.8710	-0.0925	0.170177
<i>Plcg2</i>	chr8:117498290-117635140	2.6082	2.3785	-0.1330	0.641471
<i>Fzd5</i>	chr1:64730559-64737750	1.8731	1.9799	0.0800	0.779401
<i>Gnai3</i>	chr3:108107279-108146146	78.3446	74.7889	-0.0670	0.461049
<i>Cass4</i>	chr2:172393793-172433757	0.5217	0.4619	-0.1756	0.576068
<i>Sec61g</i>	chr11:16500529-16508484	1.7924	1.9187	0.0982	0.647583
<i>Igkc</i>	chr6:70726434-70726757	8.4069	9.8467	0.2281	0.745394
<i>Psmc8</i>	chr7:29174187-29180701	93.9155	96.9107	0.0453	0.758547
<i>Snord111</i>	chr8:110838527-110838616	22.2205	24.6219	0.1480	0.557589
<i>Abcb7</i>	chrX:104280656-104413856	18.8124	17.9436	-0.0682	0.462418
<i>Kat6b</i>	chr14:21481433-21672478	2.7579	2.8162	0.0302	0.717484
<i>Socs5</i>	chr17:87107678-87137583	5.9969	5.6676	-0.0815	0.501420
<i>Gm24453</i>	chr19:8724867-8724943	42.1429	37.3132	-0.1756	0.555557
<i>Fbxw4</i>	chr19:45578253-45660312	11.3257	10.7489	-0.0754	0.437920
<i>Wdr34</i>	chr2:30031545-30048881	1.0449	1.1357	0.1203	0.521158
<i>Cers6</i>	chr2:68861440-69114282	4.6385	4.4070	-0.0739	0.447211
<i>Hdc</i>	chr2:126593666-126619299	0.3198	0.2756	-0.2144	0.608659
<i>Ecm1</i>	chr3:95734146-95739569	1.4236	1.2670	-0.1681	0.636781
<i>Bach2it1</i>	chr4:32251760-32265835	13.8891	14.5861	0.0706	0.604666
<i>Gm13008</i>	chr4:136003565-136010937	18.2500	19.0611	0.0627	0.659219
<i>Trav6d-4</i>	chr14:52753366-52753844	2.3480	2.7269	0.2158	0.577856
<i>Trbd2</i>	chr6:41542162-41542176	90.5221	75.7343	-0.2573	0.648121
<i>Igsf6</i>	chr7:121064066-121074530	3.1648	2.9009	-0.1256	0.583160
<i>Cacna2d2</i>	chr9:107399611-107529346	0.3583	0.3899	0.1217	0.303280

<i>Rpl37</i>	chr15:5116612-5119140	181.4306	169.1549	-0.1011	0.630414
<i>Rpl31</i>	chr1:39367850-39371908	29.6415	27.7101	-0.0972	0.595884
<i>Tmem198</i>	chr1:75479531-75485705	0.8921	0.7894	-0.1763	0.542153
<i>Tyro3</i>	chr2:119797732-119818104	0.8392	0.7685	-0.1269	0.527256
<i>Cd93</i>	chr2:148436639-148443563	0.4564	0.5011	0.1348	0.681649
<i>Etohi1</i>	chr2:178023283-178034022	9.7095	10.0340	0.0474	0.695605
<i>Actl7a</i>	chr4:56743421-56744925	0.6520	0.5500	-0.2453	0.409613
<i>Ccl6</i>	chr11:83587881-83593087	0.4496	0.5415	0.2685	0.731148
<i>NA</i>	chr16:3908856-3909192	8.5873	9.3176	0.1178	0.600478
<i>Gm128</i>	chr3:95236919-95241598	3.9852	3.7107	-0.1030	0.461938
<i>Fbrsl1</i>	chr5:110361753-110448503	4.8028	4.4768	-0.1014	0.618293
<i>Gm26944</i>	chr7:92639738-92647442	21.5699	22.2602	0.0454	0.653276
<i>Ptpn18</i>	chr1:34459745-34473775	93.7617	101.2857	0.1114	0.660621
<i>Me2</i>	chr18:73770039-73815392	62.5762	63.2243	0.0149	0.678167
<i>Usp6nl</i>	chr2:6322666-6446390	3.3858	3.2065	-0.0785	0.512367
<i>Mcts2</i>	chr2:152687147-152687940	11.5533	12.2716	0.0870	0.724194
<i>Gm12531</i>	chr3:37052214-37060035	12.9833	11.9831	-0.1157	0.468820
<i>Ssbp3</i>	chr4:106910700-107049694	10.4768	9.9593	-0.0731	0.507444
<i>Ddx27</i>	chr2:167015192-167034947	27.1960	27.8162	0.0325	0.761851
<i>Utp20</i>	chr10:88746606-88826814	22.2853	21.3364	-0.0628	0.444281
<i>Sf3a1</i>	chr11:4160349-4182541	15.8512	15.1170	-0.0684	0.518040
<i>Pgam2</i>	chr11:5801639-5803733	6.9258	6.4132	-0.1109	0.344065
<i>Tmem107</i>	chr11:69070805-69073293	1.2447	1.3650	0.1331	0.399417
<i>Hexim1</i>	chr11:103116324-103119725	14.4857	13.7677	-0.0733	0.499098
<i>Dus4l</i>	chr12:31640054-31654826	6.9399	7.1864	0.0503	0.609541
<i>Sptlc2</i>	chr12:87305057-87388355	14.5682	14.8201	0.0247	0.779248
<i>Nol8</i>	chr13:49653349-49679015	39.4234	37.6648	-0.0658	0.463642
<i>Styk1</i>	chr6:131299143-131353597	0.2048	0.2396	0.2266	0.634781
<i>Rec114</i>	chr9:58652855-58741559	3.7026	4.0164	0.1174	0.673597
<i>Chd8</i>	chr14:52198150-52237791	24.9708	23.8961	-0.0635	0.505430
<i>Rab2b</i>	chr14:52261758-52279545	5.9089	5.6240	-0.0713	0.279555
<i>Trav8-2</i>	chr14:53738301-53741038	1.6211	1.4647	-0.1464	0.502261
<i>Mrpl39</i>	chr16:84717575-84735742	17.7353	18.2452	0.0409	0.737927
<i>AW112010</i>	chr19:11047612-11050566	239.5032	248.0915	0.0508	0.773831
<i>Egr1</i>	chr18:34859822-34864984	2.3175	2.4082	0.0554	0.618943
<i>Sh3glb1</i>	chr3:144688843-144720323	30.9466	31.3678	0.0195	0.678396
<i>Gm16008</i>	chr4:156022007-156031643	16.9019	17.4916	0.0495	0.742956
<i>Gngt2</i>	chr11:95837215-95845734	7.2656	7.5637	0.0580	0.709008
<i>Rnf141</i>	chr7:110800431-110844457	4.1060	4.2095	0.0359	0.664329
<i>Mir1898</i>	chr15:12171491-12171574	16.6311	18.8472	0.1805	0.622804
<i>Wiz</i>	chr17:32354054-32389401	1.7679	1.8519	0.0669	0.745881
<i>Vaultrc5</i>	chr18:36801865-36802008	26.3909	22.6752	-0.2189	0.683201
<i>Gm17119</i>	chr3:14564401-14564681	4.3691	4.8882	0.1620	0.541641
<i>Dnajb6</i>	chr5:29735687-29786478	6.6754	6.7945	0.0255	0.539920
<i>Lrrc8dos</i>	chr5:105814772-105818988	1.8068	2.0559	0.1864	0.516213
<i>Tmem176b</i>	chr6:48833810-48841374	0.5056	0.4291	-0.2366	0.414029
<i>Fam98c</i>	chr7:29152510-29156234	14.0630	13.3561	-0.0744	0.464978
<i>Rrp8</i>	chr7:105732206-105737376	17.2072	16.4000	-0.0693	0.398057
<i>Polr3k</i>	chr2:181864336-181870830	12.0391	11.3747	-0.0819	0.547514
<i>Nasp</i>	chr4:116601051-116627941	12.2043	12.4973	0.0342	0.740540
<i>Efhd2</i>	chr4:141858141-141874920	20.2978	21.0436	0.0521	0.772807
<i>Msra</i>	chr14:64122622-64455903	10.1138	9.4716	-0.0947	0.554125
<i>Mapkap1</i>	chr2:34406770-34624950	17.0514	16.3434	-0.0612	0.333049
<i>Zfp341</i>	chr2:154613296-154646821	1.4914	1.3729	-0.1194	0.283280
<i>1700034H15Rik</i>	chr1:191890232-191907527	0.5130	0.5508	0.1028	0.493002
<i>Derl3</i>	chr10:75893397-75895941	1.1272	1.2496	0.1487	0.519198
<i>Plekhm1</i>	chr11:103365087-103412664	6.4358	6.0570	-0.0875	0.603695
<i>Rbm33</i>	chr5:28317120-28419244	15.6641	16.0158	0.0320	0.789109
<i>Plat</i>	chr8:22757743-22782847	0.8412	0.9397	0.1597	0.651962
<i>Gsdmd</i>	chr15:75862338-75867404	53.9519	51.8136	-0.0583	0.265193
<i>Usp45</i>	chr4:21767155-21837872	13.4188	12.8183	-0.0661	0.455815
<i>Gm26896</i>	chr10:81606367-81609791	4.8238	4.5000	-0.1003	0.529691
<i>Wfikkn2</i>	chr11:94235955-94246005	1.6636	1.9285	0.2132	0.638847
<i>Taok3</i>	chr5:117120128-117275219	7.4941	7.6158	0.0232	0.771885
<i>Gm15713</i>	chr16:43410517-43420196	1.5142	1.6801	0.1500	0.685541
<i>Ube2f</i>	chr1:91250310-91288877	6.9283	6.5606	-0.0787	0.481351
<i>Fanc</i>	chr13:63304708-63497278	4.3758	4.1358	-0.0814	0.543517
<i>Atad5</i>	chr11:80089399-80135794	4.0307	4.1576	0.0447	0.784700
<i>Chchd6</i>	chr6:89383145-89595652	1.0716	1.2234	0.1911	0.590444
<i>C230062116Rik</i>	chr7:29953620-29955992	1.1037	1.1999	0.1206	0.603690
<i>Tepp</i>	chr8:95310565-95326323	1.7902	1.9313	0.1095	0.482896

<i>Spata2l</i>	chr8:123232254-123236209	3.6726	3.3945	-0.1136	0.605625
<i>Gm14834</i>	chrX:107174609-107175494	0.9705	1.1335	0.2239	0.571163
<i>6530402F18Rik</i>	chr2:29245106-29253006	3.3472	3.4634	0.0492	0.703739
<i>Trak1</i>	chr9:121366957-121474916	8.6885	8.9619	0.0447	0.769026
<i>Mfsd4</i>	chr1:132022805-132068062	19.3698	19.8194	0.0331	0.791020
<i>Afg3l1</i>	chr8:123477902-123503916	7.8990	7.4832	-0.0780	0.522088
<i>Dip2b</i>	chr15:100038663-100219473	20.9105	19.9701	-0.0664	0.525516
<i>Pbrm1</i>	chr14:31019137-31121592	30.8647	29.6388	-0.0585	0.430013
<i>Traj35</i>	chr14:54183773-54183838	20.8522	17.7545	-0.2320	0.505970
<i>Atad1</i>	chr19:32672562-32712298	49.2377	49.8721	0.0185	0.728574
<i>Mrpl24</i>	chr3:87919505-87923672	83.6510	80.5136	-0.0551	0.290141
<i>Gm24500</i>	chr15:34139252-34139376	6.0801	7.0828	0.2202	0.587332
<i>R3hdm4</i>	chr10:79910052-79917006	22.0569	22.7211	0.0428	0.755512
<i>Xpo1</i>	chr11:23256040-23298249	46.1777	47.1001	0.0285	0.772553
<i>4933427D14Rik</i>	chr11:72153928-72207459	7.6035	7.2366	-0.0714	0.484878
<i>Zfp830</i>	chr11:82764344-82767622	14.1607	14.5815	0.0422	0.750681
<i>Ints2</i>	chr11:86210680-86257575	6.8883	6.5546	-0.0716	0.502910
<i>Casc3</i>	chr11:98804904-98833814	17.5866	17.9476	0.0293	0.763170
<i>Ifi27</i>	chr12:103434210-103440239	70.6202	66.9071	-0.0779	0.556415
<i>Higd2a</i>	chr13:54590206-54591158	62.3923	64.8638	0.0560	0.751235
<i>Adamts6</i>	chr13:104287872-104494763	13.2543	13.4816	0.0245	0.737185
<i>Rabgef1</i>	chr5:130171797-130214342	6.4242	6.1220	-0.0695	0.286192
<i>Lat2</i>	chr5:134600267-134615023	1.5870	1.7329	0.1269	0.665640
<i>Gm24146</i>	chr5:139844929-139845250	27.3816	25.2404	-0.1175	0.568807
<i>Ubl3</i>	chr5:148504630-148552789	32.0318	30.5953	-0.0662	0.464999
<i>Haus5</i>	chr7:30653710-30664994	6.7318	6.3572	-0.0826	0.490054
<i>Plekhb1</i>	chr7:100642891-100662414	1.0750	1.1529	0.1010	0.646351
<i>Il18bp</i>	chr7:102015078-102018155	9.4399	9.7980	0.0537	0.706241
<i>Purg</i>	chr8:33386324-33417468	1.5391	1.3867	-0.1504	0.543351
<i>Klh18</i>	chr9:110425927-110476694	4.8542	4.6022	-0.0769	0.504161
<i>Rp2h</i>	chrX:20364480-20405653	6.4360	6.6770	0.0530	0.744605
<i>Ndufb11</i>	chrX:20615325-20617619	51.8665	48.4943	-0.0970	0.612980
<i>Tcea1-ps1</i>	chr15:90882614-90883518	4.5307	4.9141	0.1172	0.721203
<i>Galnt6</i>	chr15:100691812-100729376	86.4496	83.2871	-0.0538	0.267252
<i>Lpar6</i>	chr14:73237890-73240358	49.8115	46.8912	-0.0872	0.594980
<i>Zc3h13</i>	chr14:75284372-75344426	14.5653	14.8975	0.0325	0.777792
<i>Ehmt2</i>	chr17:34898468-34914052	22.1219	21.2249	-0.0597	0.412556
<i>1700061G19Rik</i>	chr17:56875476-56888904	0.8699	0.7736	-0.1693	0.494150
<i>Dync2il1</i>	chr17:84626495-84655558	1.3356	1.4742	0.1424	0.613175
<i>Rps6ka4</i>	chr19:6829084-6840601	11.5181	10.9340	-0.0751	0.506813
<i>5033417F24Rik</i>	chr1:92908379-92910764	4.0066	4.2071	0.0704	0.632313
<i>Fcgr3</i>	chr1:171051173-171064935	0.4953	0.4043	-0.2929	0.612245
<i>Tmed7</i>	chr18:46560234-46597535	16.1882	16.4308	0.0215	0.760217
<i>Ppargc1b</i>	chr18:61298135-61400431	3.3816	3.5242	0.0596	0.725188
<i>Adnp2</i>	chr18:80126337-80151482	9.0719	9.2101	0.0218	0.711971
<i>Clic3</i>	chr2:25456837-25458776	7.9541	7.4030	-0.1036	0.475503
<i>Osbp12</i>	chr2:180119305-180162680	14.1015	13.5448	-0.0581	0.134115
<i>Ap4b1</i>	chr3:103809519-103822025	17.9283	17.0205	-0.0750	0.514372
<i>Wdr78</i>	chr4:103038064-103114555	1.4746	1.5433	0.0657	0.698457
<i>Kdm4a</i>	chr4:118136956-118180043	22.6256	21.8163	-0.0525	0.233327
<i>NA</i>	chr4:155694341-155696481	3.6827	3.8845	0.0770	0.686602
<i>B930041F14Rik</i>	chr4:155694341-155696481	3.6792	3.8809	0.0770	0.686602
<i>Pirb</i>	chr7:3711408-3720391	0.1478	0.1807	0.2899	0.687412
<i>Dapp1</i>	chr3:137931006-137981545	14.4859	13.8276	-0.0671	0.358759
<i>Ccz1</i>	chr5:143987915-144014853	32.0929	32.6805	0.0262	0.735599
<i>Gm12749</i>	chr4:109373700-109374859	1.2695	1.0676	-0.2499	0.664666
<i>Akr7a5</i>	chr4:139310743-139318426	5.3854	5.5793	0.0510	0.512108
<i>Aasdhppt</i>	chr9:4294792-4309494	10.5919	10.8618	0.0363	0.715353
<i>Ptges3l</i>	chr11:101418811-101425333	1.6235	1.4734	-0.1399	0.389507
<i>Pola1</i>	chrX:93304766-93632155	5.5505	5.7199	0.0434	0.789407
<i>Pex3</i>	chr10:13523841-13553142	7.8622	8.0081	0.0265	0.718231
<i>Mtfr2</i>	chr10:20347818-20361669	0.2945	0.3519	0.2569	0.707257
<i>Gm26741</i>	chr10:52358766-52358853	12.3327	13.8673	0.1692	0.595831
<i>2510003E04Rik</i>	chr10:62538625-62578457	4.6213	4.3923	-0.0733	0.461133
<i>Lppr3</i>	chr10:79860474-79874634	6.6423	6.3140	-0.0731	0.443414
<i>Sbno2</i>	chr10:80057415-80102698	17.9675	18.5473	0.0458	0.792756
<i>Sgta</i>	chr10:81044074-81060178	19.4775	20.1169	0.0466	0.771656
<i>Mettl1</i>	chr10:127041413-127046365	8.4000	7.9115	-0.0865	0.537081
<i>Trim41</i>	chr11:48806403-48817353	13.9348	13.3042	-0.0668	0.483802
<i>Grm6</i>	chr11:50850684-50866208	0.3486	0.3846	0.1417	0.645512
<i>Sar1b</i>	chr11:51763686-51791925	28.9023	27.4447	-0.0747	0.450012

<i>Slc5a10</i>	chr11:61672780-61720826	2.6200	2.4132	-0.1186	0.584304
<i>Ppm1d</i>	chr11:85311243-85347066	16.1680	15.3899	-0.0712	0.485100
<i>Rara</i>	chr11:98927817-98974942	12.9228	13.3147	0.0431	0.784978
<i>Krt10</i>	chr11:99385253-99389364	0.4433	0.5140	0.2134	0.629435
<i>Fdxr</i>	chr11:115268023-115277050	9.3450	8.8606	-0.0768	0.445089
<i>Unk</i>	chr11:116030321-116061214	11.4910	11.7850	0.0364	0.787360
<i>Zbtb1</i>	chr12:76370265-76396950	11.7880	11.9196	0.0160	0.788374
<i>2310015A10Rik</i>	chr12:80120547-80132844	7.0642	6.6344	-0.0905	0.634757
<i>Prox2</i>	chr12:85085813-85106431	1.6494	1.7349	0.0729	0.677283
<i>Sptlc1</i>	chr13:53332715-53377365	24.7619	25.1776	0.0240	0.780198
<i>Prr7</i>	chr13:55464266-55473155	7.3560	6.8242	-0.1083	0.603623
<i>Idnk</i>	chr13:58157648-58164693	44.9800	43.0850	-0.0621	0.376038
<i>Dimt1</i>	chr13:106947128-106960224	7.6065	7.1820	-0.0829	0.444270
<i>Pus7</i>	chr5:23740647-23783711	9.5198	9.1131	-0.0630	0.351380
<i>Sept11</i>	chr5:93093456-93174958	23.0269	23.3764	0.0217	0.781189
<i>Gm15792</i>	chr5:110331205-110333203	0.8850	1.0311	0.2204	0.512437
<i>Fam101a</i>	chr5:125003446-125012547	0.6894	0.5960	-0.2102	0.490339
<i>Cct6a</i>	chr5:129787438-129845820	119.5764	113.6630	-0.0732	0.559635
<i>Zfp113</i>	chr5:138139701-138155744	6.5395	6.7043	0.0359	0.746727
<i>Usp1</i>	chr5:149184349-149215434	16.6770	15.9689	-0.0626	0.437426
<i>Creb3l2</i>	chr6:37327254-37442146	0.5645	0.5181	-0.1237	0.324894
<i>Mrps33</i>	chr6:39801803-39810988	2.1601	2.3204	0.1033	0.585228
<i>Jazf1</i>	chr6:52768796-53068631	2.1201	1.9555	-0.1166	0.450467
<i>Rab43</i>	chr6:87788852-87812164	8.9605	9.1524	0.0306	0.769763
<i>Frm4b</i>	chr6:97286866-97617541	0.8552	0.7953	-0.1049	0.503157
<i>Scarna10</i>	chr6:125186358-125186683	4336.9226	4032.5391	-0.1050	0.665852
<i>Gm15706</i>	chr6:145250528-145251849	6.7703	7.1867	0.0861	0.725831
<i>Bbc3</i>	chr7:16309615-16318205	7.2239	6.6913	-0.1105	0.663614
<i>Ercc2</i>	chr7:19382009-19395694	14.9960	14.3002	-0.0685	0.481749
<i>Rpl13a</i>	chr7:45125557-45136231	598.6411	626.5064	0.0656	0.776073
<i>Fam169b</i>	chr7:68273838-68363089	39.6709	40.1920	0.0188	0.774510
<i>3110040N11Rik</i>	chr7:81782181-81789478	14.2555	13.3501	-0.0947	0.550367
<i>Aamd</i>	chr7:97550330-97579497	7.2591	7.5812	0.0626	0.713397
<i>Ikzf5</i>	chr7:131388651-131410521	7.0591	7.1978	0.0281	0.632660
<i>Crtc1</i>	chr8:70382354-70439579	1.0839	1.1399	0.0727	0.745239
<i>Gm16177</i>	chr8:86659317-86660035	1.1378	1.3583	0.2556	0.683865
<i>Gm22620</i>	chr9:15315188-15315321	12.8211	14.2030	0.1477	0.646612
<i>Tex9</i>	chr9:72458054-72491959	7.2049	7.4217	0.0428	0.714314
<i>Slc25a38</i>	chr9:120110373-120124504	8.2817	7.8748	-0.0727	0.322104
<i>Syp</i>	chrX:7638470-7653256	0.2943	0.2523	-0.2218	0.537904
<i>Xlra4</i>	chrX:73074344-73082478	13.7200	12.9594	-0.0823	0.461917
<i>Pja1</i>	chrX:99465733-99471273	16.6969	15.6835	-0.0903	0.607536
<i>Zdhhc15</i>	chrX:104536968-104671064	12.0809	11.4946	-0.0718	0.517015
<i>Ammecr1</i>	chrX:142851145-142966728	2.8567	2.6784	-0.0930	0.578869
<i>Maged2</i>	chrX:150806369-150814345	0.7658	0.6828	-0.1656	0.522386
<i>Syap1</i>	chrX:162857056-162888447	16.5264	16.9380	0.0355	0.716867
<i>Mospd2</i>	chrX:164936168-164980375	2.8458	2.6876	-0.0825	0.519479
<i>Zfat</i>	chr15:68083765-68258856	2.6800	2.7453	0.0347	0.636288
<i>Cacnb3</i>	chr15:98632219-98644530	0.3115	0.2642	-0.2372	0.486476
<i>Thoc7</i>	chr14:13949013-13961225	50.1120	47.4938	-0.0774	0.518753
<i>Traj2</i>	chr14:54217835-54217901	96.2030	100.7776	0.0670	0.617158
<i>Dhrs1</i>	chr14:55739019-55745690	8.3676	8.5935	0.0384	0.718336
<i>Zmym2</i>	chr14:56887794-56962579	37.7363	38.3424	0.0230	0.763301
<i>Ermard</i>	chr17:15041640-15064232	6.1529	5.8072	-0.0834	0.417033
<i>Rgs11</i>	chr17:26202950-26211324	6.5198	6.7920	0.0590	0.771244
<i>Zbtb9</i>	chr17:26973166-26976205	32.4688	31.0162	-0.0660	0.456876
<i>Rps18</i>	chr17:33951998-33956001	52.3431	49.3546	-0.0848	0.595043
<i>Tubb5</i>	chr17:35833925-35838306	393.3740	400.6193	0.0263	0.787301
<i>Nlrc4</i>	chr17:74426294-74459108	0.3622	0.4012	0.1476	0.630768
<i>Gm16314</i>	chr16:18498900-18501658	3.6605	3.3132	-0.1438	0.469926
<i>BC106179</i>	chr16:23220655-23225368	8.6787	8.2579	-0.0717	0.441400
<i>Fgfbp3</i>	chr19:36917549-36919615	1.5588	1.3863	-0.1692	0.548635
<i>Tctn3</i>	chr19:40596445-40612233	3.2572	3.0538	-0.0930	0.441392
<i>Nhlrc2</i>	chr19:56548260-56598846	12.7462	12.9427	0.0221	0.665302
<i>B230217O12Rik</i>	chr19:57323384-57360775	4.9807	4.6150	-0.1100	0.512966
<i>Pms1</i>	chr1:53189186-53297018	5.6281	5.7979	0.0429	0.740040
<i>Asb1</i>	chr1:91540564-91559590	5.2474	4.9863	-0.0736	0.432545
<i>Slc26a2</i>	chr18:61192918-61211612	5.1565	4.9101	-0.0707	0.524915
<i>Itih5</i>	chr2:10153570-10256529	1.4676	1.3152	-0.1581	0.720923
<i>Rab6</i>	chr2:25583017-25608521	14.7852	14.9746	0.0184	0.722853
<i>St6galnac6</i>	chr2:32599708-32620806	0.6473	0.5700	-0.1833	0.613701

Mir1955	chr2:92191976-92192074	10.7713	12.3868	0.2016	0.589470
Rmdn3	chr2:119137000-119157034	10.5025	10.6698	0.0228	0.577784
Bcl2l11	chr2:128126037-128162547	9.8229	10.0670	0.0354	0.794118
Ndr3	chr2:156927344-156992056	12.9395	13.1700	0.0255	0.757482
Mab21l2	chr3:86545580-86548283	1.2188	1.1074	-0.1384	0.475665
Cd1d1	chr3:86995833-86999441	16.9748	16.1605	-0.0709	0.482229
Golph3l	chr3:95588933-95619247	21.2749	21.8377	0.0377	0.760456
Cd160	chr3:96798762-96829351	18.3044	17.2822	-0.0829	0.565533
Bcas2	chr3:103171654-103179166	22.5946	21.6467	-0.0618	0.385350
A93005H10Rik	chr3:115887821-115888130	38.9707	36.3211	-0.1016	0.537470
Usp33	chr3:152346477-152393612	17.6589	17.9720	0.0254	0.757148
Bach2os	chr4:32559679-32571708	4.0538	4.3322	0.0958	0.775817
Trmt10b	chr4:45297126-45316131	7.0319	7.2783	0.0497	0.704040
Pcsk9	chr4:106442328-106464329	0.3203	0.2754	-0.2178	0.525404
Park7	chr4:150897132-150914437	40.7926	42.2053	0.0491	0.777623
Ssu72	chr4:155704799-155733879	34.0727	34.6585	0.0246	0.756984
Polr3c	chr3:96711489-96727628	19.5082	19.8611	0.0259	0.769237
Gm17195	chr12:79163407-79163835	7.8946	8.4674	0.1010	0.673698
Itgal	chr7:127296259-127335137	34.7001	35.5524	0.0350	0.815054
Traj11	chr14:54207138-54207197	86.2800	78.4666	-0.1369	0.552849
Tmem156	chr5:65063207-65091555	21.1230	19.9395	-0.0832	0.489236
Enpp1	chr10:24637913-24712159	1.3341	1.2513	-0.0925	0.489816
Msgn1	chr12:11208381-11208948	1.7767	1.5222	-0.2230	0.493717
A830010M20Rik	chr5:107497377-107580596	2.0184	2.1131	0.0662	0.789438
Ap3s2	chr7:79875331-79920640	5.8466	5.5683	-0.0703	0.456325
Gm16312	chr19:4000757-4001232	8.5860	9.2940	0.1143	0.652885
Pten	chr19:32757496-32826160	24.5631	23.6086	-0.0572	0.388557
Dstyk	chr1:132417452-132466959	3.2695	3.3460	0.0334	0.624514
Flii	chr11:60714122-60727263	40.3601	40.9160	0.0197	0.796766
Wipf2	chr11:98863637-98905040	4.3965	4.1521	-0.0825	0.602374
Nfkbia	chr12:55489410-55492647	98.8619	94.2424	-0.0690	0.504885
Slc46a3	chr5:147878436-147894815	7.1964	7.3735	0.0351	0.659233
Erp27	chr6:136907310-136922180	1.3169	1.4192	0.1080	0.739841
Gm15964	chr16:91611467-91623861	15.5307	14.8630	-0.0634	0.312926
4933412A08Rik	chr19:60226333-60227678	1.8132	1.6404	-0.1445	0.217676
Gm8251	chr1:44055951-44061936	0.6548	0.5935	-0.1420	0.547010
Gin1	chr1:97770171-97793709	3.6439	3.7559	0.0437	0.623849
Dusp23	chr1:172630768-172632974	0.8234	0.7121	-0.2096	0.492412
Smad7	chr18:75367528-75395935	34.1568	32.4991	-0.0718	0.587982
Ptpmt1	chr2:90908715-90918258	10.5964	10.1208	-0.0663	0.335573
Cybrd1	chr2:71117922-71142926	0.1475	0.1686	0.1924	0.532626
Cyth2	chr7:45806636-45814581	19.1073	18.2873	-0.0633	0.434994
Prickle4	chr17:47688516-47694736	0.4122	0.4810	0.2226	0.544613
Trmt2a	chr16:18248678-18254772	19.2921	18.5648	-0.0554	0.297151
Ccdc23	chr4:119195305-119201298	16.2014	15.2729	-0.0851	0.460213
Izumo4	chr10:80702692-80705382	49.9217	47.4604	-0.0729	0.532211
Rdh5	chr10:128913592-128922888	10.2605	9.7451	-0.0743	0.450797
Ttc1	chr11:43729511-43748008	19.9052	18.9038	-0.0745	0.522418
Gpatch2l	chr12:86241889-86291414	17.2291	17.4493	0.0183	0.756567
Gmnn	chr13:24751844-24761923	5.4713	5.6839	0.0550	0.653459
Gm15613	chr5:32479559-32479885	7.3537	6.6175	-0.1522	0.476563
Mtf2	chr5:108065673-108109004	23.8929	24.1796	0.0172	0.734031
Rasal1	chr5:120648811-120679597	5.9520	6.0959	0.0345	0.741664
Trnt1	chr6:106769119-106782474	35.2771	35.8778	0.0244	0.768204
Gm16175	chr7:19809608-19811872	3.0440	3.6096	0.2459	0.643619
Dnajc13	chr9:104151596-104262930	23.0705	22.1611	-0.0580	0.447388
Pde12	chr14:26659957-26669883	9.7917	9.9387	0.0215	0.703799
Vasn	chr16:4639940-4650802	3.9128	4.1652	0.0902	0.774330
Btaf1	chr19:36926078-37012752	31.6771	30.2597	-0.0660	0.539894
Gpr55	chr1:85939536-85961055	5.5285	5.1772	-0.0947	0.508270
4930403D09Rik	chr11:34299706-34308113	14.6197	15.4802	0.0825	0.764779
Nicn1	chr9:108290447-108296498	0.9756	1.0583	0.1174	0.575921
Pdha1	chrX:16012208-160138413	50.7864	51.8391	0.0296	0.776355
Gm26679	chr14:120384262-120388985	5.1045	5.3508	0.0680	0.647334
Alyref2	chr1:171503477-171504750	7.6585	8.0650	0.0746	0.730088
4930415F15Rik	chr11:11462093-11515192	1.1974	1.0412	-0.2016	0.505347
Gm26745	chr5:123047372-123230871	1.1289	0.9832	-0.1993	0.588130
C2cd5	chr6:143010919-143100107	13.4815	13.7347	0.0268	0.782399
Setd1a	chr7:127776669-127800122	5.4074	5.6092	0.0529	0.791196
Slc16a8	chr15:79251013-79254761	0.3977	0.4576	0.2024	0.549614
Mcm6	chr1:128331590-128359656	62.8696	63.6528	0.0179	0.817464

<i>E330020D12Rik</i>	chr1:153404826-153408429	0.5903	0.6564	0.1531	0.465750
<i>Shc1</i>	chr3:89418442-89430015	7.4171	7.5561	0.0268	0.713158
<i>Ddx20</i>	chr3:105678269-105687574	11.6865	11.1034	-0.0738	0.506959
<i>Cln6</i>	chr4:148004258-148038821	5.0309	4.7820	-0.0732	0.525311
<i>Lgals4</i>	chr7:28833974-28841703	3.6295	3.3696	-0.1072	0.526250
<i>Plcl2</i>	chr17:50509546-50688493	60.2745	60.7799	0.0120	0.728864
<i>Cpox</i>	chr16:58670207-58680391	6.0236	6.1933	0.0401	0.717791
<i>B230369F24Rik</i>	chr1:178313327-178318549	1.6024	1.4731	-0.1213	0.234759
<i>Mapkbp1</i>	chr2:119972698-120027408	2.3914	2.4998	0.0639	0.765052
<i>Trav7-6</i>	chr14:53716715-53717290	3.6212	4.0059	0.1456	0.592555
<i>Zufsp</i>	chr10:33926935-33951212	27.7618	28.5909	0.0425	0.783112
<i>Got2-ps1</i>	chr5:138364172-138365580	0.6767	0.5714	-0.2440	0.534177
<i>Gm5113</i>	chr7:30169874-30180209	1.1484	1.0291	-0.1583	0.598585
<i>Scn3b</i>	chr9:40269215-40291618	0.2097	0.2377	0.1809	0.676999
<i>Man2c1</i>	chr9:57130689-57142722	15.0212	15.2513	0.0219	0.799190
<i>Ptp4a3</i>	chr15:73723144-73758766	21.0345	19.7854	-0.0883	0.631645
<i>Triobp</i>	chr15:78947723-79005867	3.9168	4.0113	0.0344	0.775452
<i>Rnf14</i>	chr18:38296634-38317847	25.4945	24.4753	-0.0589	0.370332
<i>Camk2a</i>	chr18:60925617-60988152	0.1192	0.1353	0.1819	0.486266
<i>C8g</i>	chr2:25498650-25501719	1.8025	1.9432	0.1084	0.684763
<i>Ttc13</i>	chr8:124671334-124721983	28.1010	28.5069	0.0207	0.807071
<i>Zmiz2</i>	chr11:6389073-6406158	8.2678	8.5791	0.0533	0.790474
<i>Pnpla8</i>	chr12:44221369-44312343	15.1302	14.4866	-0.0627	0.410072
<i>Tmem120b</i>	chr5:123068414-123117749	4.4968	4.6369	0.0442	0.595899
<i>Gna12</i>	chr5:140758407-140830431	6.3347	6.4959	0.0363	0.751653
<i>Sec23ip</i>	chr7:128744869-128784836	19.3596	18.6339	-0.0551	0.258359
<i>Pfn1</i>	chr11:70651849-70654644	360.7238	370.1523	0.0372	0.796769
<i>Cyth1</i>	chr11:118132018-118248592	92.2554	89.0496	-0.0510	0.273237
<i>Apc</i>	chr18:34220923-34322189	9.9340	10.1480	0.0308	0.797634
<i>Cpsf4</i>	chr5:145167212-145182041	15.1048	15.3402	0.0223	0.708447
<i>Cd79a</i>	chr7:24897380-24902197	2.3109	2.4546	0.0870	0.592343
<i>Lin37</i>	chr7:30555440-30559838	12.4055	12.8069	0.0459	0.722845
<i>Gm6180</i>	chr8:42246910-42247411	17.2701	16.0593	-0.1049	0.546525
<i>Grasp</i>	chr15:101224206-101232755	4.5168	4.7940	0.0859	0.758630
<i>Phlpp1</i>	chr1:106171751-106394250	1.8470	1.9257	0.0602	0.751214
<i>Tdrkh</i>	chr3:94413295-94432633	0.7013	0.7575	0.1112	0.668749
<i>Dtnb</i>	chr12:3572380-3781796	4.4957	4.5928	0.0308	0.761360
<i>Exoc4</i>	chr6:33249084-33973979	11.4739	11.6895	0.0268	0.803781
<i>Gm25791</i>	chr9:15314844-15314981	100.3060	111.3764	0.1510	0.705684
<i>Srsf3</i>	chr17:29032672-29043366	66.1709	63.6608	-0.0558	0.419374
<i>Gm13157</i>	chr4:147753973-147809788	11.4363	11.7203	0.0354	0.731110
<i>Mxra8</i>	chr4:155839679-155844088	0.3499	0.3013	-0.2157	0.305492
<i>Rpl18a</i>	chr8:70894721-70897443	68.7180	64.4804	-0.0918	0.639834
<i>Prdx3</i>	chr19:60864050-60874556	50.5142	48.0571	-0.0719	0.533471
<i>Gm10518</i>	chr1:179803375-179804676	7.0017	7.3293	0.0660	0.744176
<i>Ttl9</i>	chr2:152962484-153008482	0.4710	0.5303	0.1709	0.638350
<i>Tcrp-C1</i>	chr13:19214102-19216618	6.6610	5.9537	-0.1620	0.599754
<i>Gm17112</i>	chr5:137532422-137540718	3.2330	2.8366	-0.1887	0.407273
<i>Npm3-ps1</i>	chr6:85076191-85076719	1.8410	2.1402	0.2172	0.675230
<i>Irf2bp1</i>	chr7:19004064-19006761	12.0248	11.4270	-0.0736	0.524940
<i>Plekha4</i>	chr7:45526329-45554229	0.1904	0.2239	0.2337	0.635753
<i>Map1lc3b</i>	chr8:121590360-121598760	8.6657	8.3271	-0.0575	0.224707
<i>Hyal2</i>	chr9:107569116-107572776	3.2256	2.9701	-0.1190	0.592727
<i>Gm6023</i>	chrX:36213523-36214129	1.5634	1.3297	-0.2336	0.534551
<i>Nt5dc2</i>	chr14:31134852-31139121	1.0736	0.9384	-0.1941	0.487232
<i>Serp2</i>	chr14:76532813-76556687	4.8910	5.2556	0.1037	0.722679
<i>Gm26781</i>	chr1:136259406-136274406	2.3735	2.5266	0.0902	0.652745
<i>Gm13421</i>	chr2:27540425-27543362	1.7834	2.0012	0.1662	0.676741
<i>Zbtb43</i>	chr2:33450286-33468559	10.9693	10.5161	-0.0609	0.340465
<i>Nnat</i>	chr2:157560077-157562522	0.8161	0.9077	0.1535	0.627225
<i>Gm14321</i>	chr2:16777466-167782569	5.9440	5.4335	-0.1296	0.602327
<i>Rnf220</i>	chr4:117271462-117497052	13.1195	13.4256	0.0333	0.796938
<i>Tmem201</i>	chr4:149715374-149738044	2.9397	3.0488	0.0526	0.784451
<i>Zfp87</i>	chr13:67515780-67526177	15.7605	15.0446	-0.0671	0.442678
<i>Ap3b1</i>	chr13:94358959-94566316	33.8790	34.1947	0.0134	0.752751
<i>Gtf3a</i>	chr5:146948656-146955614	32.5713	31.3687	-0.0543	0.201712
<i>Esr1</i>	chr10:4611592-5005614	0.6350	0.6680	0.0730	0.749608
<i>Utrn</i>	chr10:12382187-12861735	110.9588	106.7603	-0.0556	0.498864
<i>Tbpl1</i>	chr10:22703878-22731938	19.4459	18.6088	-0.0635	0.470766
<i>Stx7</i>	chr10:24149316-24188959	8.7681	8.9475	0.0292	0.671823
<i>Ube2d1</i>	chr10:71254979-71285262	6.2124	6.3714	0.0365	0.768500

<i>Pttg1ip</i>	chr10:77581719-77598732	18.2672	17.5151	-0.0607	0.467230
<i>Palm</i>	chr10:79793571-79820896	0.6589	0.7249	0.1377	0.719008
<i>Zfp938</i>	chr10:82224849-82241280	7.0478	7.2801	0.0468	0.736303
<i>Pwp1</i>	chr10:85871830-85889096	23.4246	23.9049	0.0293	0.761898
<i>Fbxo7</i>	chr10:86021971-86051873	5.9081	5.6534	-0.0636	0.359257
<i>Ccdc38</i>	chr10:93540631-93584327	4.0240	3.7639	-0.0964	0.658885
<i>Nr2c1</i>	chr10:94148022-94197211	3.6925	3.7977	0.0405	0.752016
<i>Bbs10</i>	chr10:111298678-111301736	3.5617	3.3512	-0.0879	0.269066
<i>Glipr1</i>	chr10:111985447-112002631	59.0829	60.2673	0.0286	0.787757
<i>Kcnmb4os2</i>	chr10:116473162-116475319	1.3212	1.4391	0.1233	0.727635
<i>Stac3</i>	chr10:127501685-127508823	0.4566	0.3964	-0.2041	0.316129
<i>Timeless</i>	chr10:128232064-128252941	9.3543	8.9531	-0.0633	0.483956
<i>Ormdl2</i>	chr10:128817456-128821631	23.9153	22.8098	-0.0683	0.505654
<i>Tcn2</i>	chr11:3917191-3932159	4.0402	3.7685	-0.1005	0.605113
<i>AA413626</i>	chr11:4918509-4919003	5.6577	6.0838	0.1047	0.741410
<i>Bod1</i>	chr11:31665180-31671885	7.4572	7.6762	0.0418	0.665574
<i>Gm12141</i>	chr11:41498736-41500901	0.6040	0.5255	-0.2010	0.581165
<i>Gnb2l1</i>	chr11:48800331-48806434	472.0373	445.3390	-0.0840	0.645507
<i>Scgb3a1</i>	chr11:49663609-49665118	1.0986	1.3095	0.2533	0.694438
<i>Rmnd5b</i>	chr11:51623670-51635896	35.6825	35.9727	0.0117	0.787088
<i>Ppp2ca</i>	chr11:52098680-52127778	44.4076	42.6319	-0.0589	0.455019
<i>Hspa4</i>	chr11:53259813-53300457	54.5123	52.3117	-0.0594	0.521288
<i>Aff4</i>	chr11:53350832-53421830	16.4349	16.6687	0.0204	0.827958
<i>Leap2</i>	chr11:53422180-53423170	2.4579	2.7355	0.1544	0.619556
<i>Gm12216</i>	chr11:53783417-53859256	7.2839	6.9211	-0.0737	0.431817
<i>Rnf187</i>	chr11:58932287-58938916	67.0246	64.4625	-0.0562	0.470062
<i>Gm12266</i>	chr11:60343244-60344206	0.9637	1.0891	0.1765	0.575939
<i>Grap</i>	chr11:61653264-61672784	85.9125	82.0065	-0.0671	0.540874
<i>Cdk5r1</i>	chr11:80477045-80481179	0.9682	0.8888	-0.1235	0.496268
<i>Slfn9</i>	chr11:82979628-82991830	3.5913	3.7113	0.0474	0.779972
<i>Ankrd40</i>	chr11:94328000-94341841	13.5041	13.7408	0.0251	0.800108
<i>Gm11521</i>	chr11:95336010-95337408	6.4453	5.7668	-0.1605	0.587370
<i>Npepps</i>	chr11:97205841-97280638	5.9198	6.0187	0.0239	0.765603
<i>Cisd3</i>	chr11:97685825-97688621	8.6698	8.1306	-0.0926	0.361050
<i>Krt222</i>	chr11:99232760-99244085	0.9853	0.9007	-0.1295	0.477381
<i>Leprel4</i>	chr11:100408455-100414836	0.8245	0.7294	-0.1767	0.597357
<i>Hspb9</i>	chr11:100713849-100714575	1.4218	1.1766	-0.2731	0.636257
<i>Ramp2</i>	chr11:101246027-101259546	10.7386	10.9579	0.0292	0.793537
<i>Grn</i>	chr11:102430314-102437048	1.8258	1.9533	0.0974	0.788584
<i>Gm11715</i>	chr11:107157407-107167150	10.0810	10.5388	0.0641	0.664724
<i>9930022D16Rik</i>	chr11:109413916-109420405	0.3746	0.4252	0.1830	0.656485
<i>Cdr2l</i>	chr11:115381915-115396132	0.7914	0.8396	0.0853	0.475606
<i>Itgb4</i>	chr11:115974708-116008412	0.4905	0.4459	-0.1373	0.487873
<i>Trim47</i>	chr11:116105751-116127210	1.2772	1.1630	-0.1351	0.583320
<i>Srp68</i>	chr11:116245165-116274217	15.9536	16.2422	0.0259	0.781742
<i>Prpsap1</i>	chr11:116470844-116494202	14.9692	14.3367	-0.0623	0.464486
<i>Gm26508</i>	chr11:119077572-119081865	23.4892	24.0725	0.0354	0.783694
<i>1810043H04Rik</i>	chr11:120098927-120100704	10.6969	10.0165	-0.0948	0.470348
<i>P4hb</i>	chr11:120560297-120573253	84.8433	81.8591	-0.0517	0.334737
<i>Npb</i>	chr11:120608476-120609093	1.5476	1.3212	-0.2282	0.327341
<i>Grhl1</i>	chr12:24572286-24617391	0.3785	0.4210	0.1535	0.681467
<i>2700097O09Rik</i>	chr12:55045660-55080110	2.3384	2.1918	-0.0934	0.610361
<i>Pole2</i>	chr12:69201778-69228190	26.0388	24.8901	-0.0651	0.472940
<i>Gm20498</i>	chr12:81358859-81532905	14.1774	14.4916	0.0316	0.777725
<i>Fcf1</i>	chr12:84970896-84983303	18.4114	17.4831	-0.0746	0.391306
<i>Acyp1</i>	chr12:85272397-85288438	15.4712	16.0762	0.0553	0.787166
<i>Tmed10</i>	chr12:85340613-85374717	12.2076	12.3544	0.0173	0.666363
<i>Btbd7</i>	chr12:102784655-102878406	17.5942	17.8472	0.0206	0.759990
<i>Zbtb42</i>	chr12:112678827-112682747	2.1228	2.2500	0.0840	0.760076
<i>9230104M06Rik</i>	chr12:112999963-113001926	3.8020	3.5432	-0.1017	0.586857
<i>Hist1h4a</i>	chr13:23760801-23761249	8.9897	9.5168	0.0822	0.650157
<i>Serpinc6a</i>	chr13:33917917-34002794	5.3905	5.4743	0.0222	0.721430
<i>Fars2</i>	chr13:36117410-36537592	13.0101	13.2295	0.0241	0.698406
<i>Zfp169</i>	chr13:48487646-48513451	5.4128	5.5491	0.0359	0.805059
<i>Simc1</i>	chr13:54503778-54551290	5.5361	5.6290	0.0240	0.738827
<i>Ubqln1</i>	chr13:58176155-58215653	41.6849	42.0898	0.0139	0.771382
<i>4930525G20Rik</i>	chr13:67796593-67830985	0.8788	0.9429	0.1016	0.613724
<i>Tmem167</i>	chr13:90089122-90143907	10.4229	10.5792	0.0215	0.809640
<i>Dhfr</i>	chr13:92354782-92389053	2.6618	2.7513	0.0477	0.799095
<i>Ankrd55</i>	chr13:112288450-112384002	1.3367	1.2107	-0.1428	0.643226
<i>Pelo</i>	chr13:115088356-115090188	6.1481	5.7966	-0.0849	0.391515

5031425E22Rik	chr5:23431809-23433919	33.5342	32.3312	-0.0527	0.158611
Abcf2	chr5:24565340-24577467	37.6173	38.1020	0.0185	0.802416
Slc35f6	chr5:30647932-30659731	7.3924	7.5533	0.0311	0.765649
Slc4a1ap	chr5:31526994-31554042	14.3041	14.5457	0.0242	0.754140
Tbc1d19	chr5:53809626-53904380	2.1955	2.0267	-0.1155	0.557241
Guf1	chr5:69556923-69575972	13.1860	13.3860	0.0217	0.808619
Sgcb	chr5:73632748-73647713	3.4927	3.6401	0.0596	0.793934
Naaa	chr5:92257658-92278170	2.7076	2.5248	-0.1009	0.579411
Bmp2k	chr5:96997688-97091867	3.9058	3.7104	-0.0740	0.591964
Gm17092	chr5:99977685-99978858	7.7106	7.0717	-0.1248	0.671447
Pole	chr5:110286305-110337474	4.0229	4.1409	0.0417	0.805264
Gm26515	chr5:110779881-110781127	2.0638	2.2433	0.1203	0.711706
Tchp	chr5:114707759-114722327	6.3885	6.1104	-0.0642	0.202970
Tctn1	chr5:122241286-122264460	10.6914	10.9057	0.0286	0.784780
Fam216a	chr5:122364579-122372364	10.4903	10.8302	0.0460	0.675953
Orai1	chr5:123015073-123030450	13.6121	12.9366	-0.0734	0.540954
Psph	chr5:129765557-129787252	7.7023	7.3722	-0.0632	0.372656
Tmem248	chr5:130219743-130243765	22.3431	21.5592	-0.0515	0.286206
Gm21839	chr5:135643954-135644336	4.2007	4.5997	0.1309	0.484546
Epo	chr5:137482258-137533242	1.0672	0.9419	-0.1802	0.548920
Stag3	chr5:138280239-138312393	0.5274	0.3974	-0.4083	0.576258
Usp42	chr5:143710324-143732280	8.4115	8.5603	0.0253	0.789202
Pms2	chr5:143909963-143937309	9.3343	8.9869	-0.0547	0.283143
Arpc1b	chr5:145114214-145130705	82.6564	79.4553	-0.0570	0.453978
Ptcd1	chr5:145147513-145167108	15.2219	14.5142	-0.0687	0.517298
N4bp2l1	chr5:150571642-150594525	27.6836	28.2276	0.0281	0.766068
Gm4876	chr6:17065009-17171833	4.3996	4.1046	-0.1001	0.636312
Kdm7a	chr6:39136622-39206789	26.5994	25.6459	-0.0527	0.427797
Trbv13-2	chr6:41121416-41121832	135.2248	138.5242	0.0348	0.793717
Casp2	chr6:42264984-42282508	18.0379	17.3854	-0.0532	0.320658
Zfp775	chr6:48613179-48623227	2.3549	2.4523	0.0585	0.710772
Gars	chr6:55038000-55079504	64.5162	65.0797	0.0125	0.810741
Avl9	chr6:56714926-56761911	24.3182	23.4269	-0.0539	0.419240
Smarcad1	chr6:65042666-65116050	16.9111	16.2851	-0.0544	0.286412
Gadd45a	chr6:67035095-67037457	2.2531	2.4181	0.1020	0.735155
Tet3	chr6:83362372-83441678	15.1640	15.7101	0.0510	0.825693
Gm5577	chr6:87980882-88005471	1.2027	1.2834	0.0937	0.460683
Brpf1	chr6:113307180-113324857	13.9175	13.3978	-0.0549	0.400038
Nop2	chr6:125131882-125144753	38.5618	39.2120	0.0241	0.787609
Fgfr1op2	chr6:146577202-146599198	39.6928	38.1703	-0.0564	0.386150
Ndufa3	chr7:3617372-3620163	57.0711	58.7064	0.0408	0.810620
Ppm1n	chr7:19276806-19280049	0.7315	0.6275	-0.2213	0.584810
Zfp109	chr7:24228047-24236632	3.4235	3.1834	-0.1049	0.456341
Ethe1	chr7:24587542-24608925	4.6006	4.8756	0.0838	0.740533
Rabac1	chr7:24969749-24972728	95.5548	90.4490	-0.0792	0.595061
Mir3101	chr7:27176005-27176093	26.0918	28.5686	0.1308	0.633222
Zfp59	chr7:27842854-27855086	3.9322	3.6793	-0.0959	0.341054
Fbxo17	chr7:28716803-28738144	1.1544	1.2377	0.1005	0.708210
Spint2	chr7:29256330-29281977	22.9642	21.7459	-0.0786	0.590232
Zfp260	chr7:30094776-30107622	31.2330	31.7512	0.0237	0.792103
Gpi1	chr7:34202121-34230289	49.2249	50.3063	0.0314	0.814256
Nkg7	chr7:43437072-43438246	272.4661	277.0027	0.0238	0.819236
Vsig10l	chr7:43463150-43471913	0.2641	0.2991	0.1795	0.656739
Gm26247	chr7:44248089-44248180	39.0636	35.3857	-0.1427	0.530283
Med25	chr7:44879390-44892397	11.3793	10.6476	-0.0959	0.680348
Sergef	chr7:46443167-46639807	4.2970	4.0380	-0.0897	0.457794
5430400D12Rik	chr7:79920754-79922521	0.4274	0.4855	0.1841	0.288511
Ints4	chr7:97480955-97541397	18.8075	19.0519	0.0186	0.766485
Gm9990	chr7:97720838-97722924	1.4348	1.2959	-0.1469	0.546627
Gm4980	chr7:99624066-99627103	0.4856	0.4168	-0.2206	0.623641
Il21r	chr7:125603428-125633570	74.0785	71.2212	-0.0567	0.401732
Atxn2l	chr7:126491707-126503437	18.2330	18.6402	0.0319	0.807300
Rassf7	chr7:141215859-141218658	4.3519	4.0678	-0.0974	0.467673
Tpcn2	chr7:145253922-145283927	7.5144	7.1422	-0.0733	0.525483
Xab2	chr8:3608420-3621316	30.7174	31.1995	0.0225	0.817889
Ddhd2	chr8:25725323-25754280	18.0250	17.3474	-0.0553	0.432668
1700047A11Rik	chr8:26082608-26102694	4.3372	3.9124	-0.1487	0.617322
Prosc	chr8:27042554-27056131	11.6927	11.2225	-0.0592	0.402728
Rbpms	chr8:33782642-33929863	0.7539	0.6913	-0.1250	0.311741
Trappc11	chr8:47490114-47533470	16.2108	15.6052	-0.0549	0.304822
Nat2	chr8:67494866-67502580	17.9691	18.6336	0.0524	0.786558

<i>Bst2</i>	chr8:71534263-71537437	48.8682	50.4235	0.0452	0.806858
<i>Fam32a</i>	chr8:72219729-72223764	59.5214	60.7426	0.0293	0.828084
<i>Calr3</i>	chr8:72424175-72443870	0.8863	0.9640	0.1213	0.406069
<i>Gm5353</i>	chr8:76862255-76863048	2.7007	2.3833	-0.1803	0.638367
<i>Elmod2</i>	chr8:83312631-83332486	3.3514	3.4299	0.0334	0.776632
<i>Tecr</i>	chr8:83571699-83594491	57.1497	58.5523	0.0350	0.813876
<i>4930432K21Rik</i>	chr8:84148024-84172590	3.7667	3.5054	-0.1037	0.584072
<i>Gadd45gip1</i>	chr8:84831521-84835482	31.1408	31.7817	0.0294	0.795488
<i>Katnb1</i>	chr8:95081200-95099874	9.0366	9.3780	0.0535	0.800128
<i>Csnk2a2</i>	chr8:95446095-95488820	8.5629	8.2019	-0.0622	0.305249
<i>Cnot1</i>	chr8:95719450-95807462	55.2902	55.7889	0.0130	0.836701
<i>Cbfb</i>	chr8:105170673-105217986	91.2486	92.5933	0.0211	0.803254
<i>Esrp2</i>	chr8:106130318-106136974	4.4129	4.5757	0.0523	0.796545
<i>Cdh1</i>	chr8:106603350-106670246	1.0604	1.2264	0.2098	0.684718
<i>Nip7</i>	chr8:107056876-107060926	19.2542	18.2900	-0.0741	0.571461
<i>Gse1</i>	chr8:120230535-120581390	6.0481	5.7029	-0.0848	0.681719
<i>Ntpcr</i>	chr8:125729962-125748235	6.6072	6.7812	0.0375	0.738334
<i>Tmed1</i>	chr9:21507379-21510186	11.4962	11.8705	0.0462	0.735314
<i>Swsap1</i>	chr9:21955752-21958270	5.7174	5.3222	-0.1034	0.564955
<i>Idh3a</i>	chr9:54586510-54604661	25.1527	25.4839	0.0189	0.719973
<i>Arid3b</i>	chr9:57790352-57836793	5.0769	4.8411	-0.0686	0.541720
<i>Bbs4</i>	chr9:59321965-59353508	6.1855	6.3671	0.0417	0.689443
<i>Snx1</i>	chr9:66088132-66126587	31.0849	31.5014	0.0192	0.795437
<i>Tpm1</i>	chr9:67022589-67049406	8.9852	8.6351	-0.0573	0.369146
<i>Gm26767</i>	chr9:97068182-97073429	3.6482	3.4256	-0.0908	0.601647
<i>Tmem108</i>	chr9:103482935-103761837	6.3337	5.9338	-0.0941	0.617393
<i>Mapkapk3</i>	chr9:107254926-107289877	11.7140	11.8863	0.0211	0.812140
<i>Celsr3</i>	chr9:108826319-108852963	0.1140	0.1257	0.1411	0.582958
<i>Dhx30</i>	chr9:110084319-110117830	14.4457	13.8881	-0.0568	0.469493
<i>Nradd</i>	chr9:110621136-110624393	2.8604	3.0508	0.0930	0.665828
<i>Dync1li1</i>	chr9:114688789-114724302	31.8920	30.6041	-0.0595	0.495642
<i>Tgfb2</i>	chr9:116087697-116175363	87.2816	84.2500	-0.0510	0.391702
<i>Snora62</i>	chr9:120130414-120130563	15.1028	13.0704	-0.2085	0.648643
<i>Gm14513</i>	chrX:11684001-11684124	16.1110	13.9491	-0.2079	0.691164
<i>Usp9x</i>	chrX:13071497-13173328	29.0549	27.9609	-0.0554	0.457364
<i>NA</i>	chrX:42526584-42529330	1.1747	1.2480	0.0873	0.685098
<i>Abcd1</i>	chrX:73716596-73738534	8.4030	8.5748	0.0292	0.803776
<i>Gm7061</i>	chrX:94772615-94774034	1.0036	1.1198	0.1581	0.694511
<i>NA</i>	chrX:136741857-136743143	3.2312	3.4563	0.0972	0.706786
<i>Sat1</i>	chrX:155213131-155216449	26.4488	26.9514	0.0272	0.779196
<i>Gm24041</i>	chr15:58819322-58819478	4.5771	5.3042	0.2127	0.638358
<i>St3gal1</i>	chr15:67102874-67113992	8.7403	8.9446	0.0333	0.799735
<i>Pycl1</i>	chr15:75916462-75921560	10.7419	10.0062	-0.1023	0.592189
<i>Oplah</i>	chr15:76296596-76328015	4.5976	4.7280	0.0403	0.764324
<i>Slc52a2</i>	chr15:76538942-76542130	8.4592	8.6976	0.0401	0.793065
<i>St13</i>	chr15:81363668-81400077	39.0328	40.1753	0.0416	0.805122
<i>Xrcc6</i>	chr15:81987834-82040085	14.9796	14.4459	-0.0523	0.106679
<i>Smdt1</i>	chr15:82338958-82349091	36.8012	38.0142	0.0468	0.780086
<i>Bik</i>	chr15:83526861-83544635	0.9578	1.0835	0.1778	0.543940
<i>Brd1</i>	chr15:88687299-88734233	20.7019	19.9045	-0.0567	0.470694
<i>Lmf2</i>	chr15:89351003-89355659	10.3836	10.6474	0.0362	0.767545
<i>Irak4</i>	chr15:94543642-94581815	10.9325	11.0579	0.0165	0.732012
<i>Senp1</i>	chr15:98038743-98093744	9.5283	9.6544	0.0190	0.796383
<i>Arf3</i>	chr15:98737620-98763214	33.3939	31.7953	-0.0708	0.558176
<i>Tuba1a</i>	chr15:98949840-98953551	31.2659	29.5040	-0.0837	0.637414
<i>5330439K02Rik</i>	chr15:100459739-100468691	1.1496	1.0337	-0.1533	0.601465
<i>Calcoco1</i>	chr15:102706778-102722178	8.8434	9.0971	0.0408	0.794181
<i>Ube2e1</i>	chr14:18282721-18331859	6.7327	6.9404	0.0438	0.766744
<i>Tmem110</i>	chr14:30825589-30876986	4.8759	4.6247	-0.0763	0.561699
<i>Sh2d4b</i>	chr14:40813788-40893266	0.4675	0.4138	-0.1759	0.552019
<i>Osgep</i>	chr14:50906477-50924893	7.0202	6.6985	-0.0677	0.387953
<i>Mettl3</i>	chr14:52294667-52305128	29.9741	28.9273	-0.0513	0.226426
<i>Oxa1l</i>	chr14:54360840-54369669	20.1550	19.1897	-0.0708	0.522979
<i>Acin1</i>	chr14:54642160-54686931	41.9115	40.2596	-0.0580	0.519452
<i>4930579G18Rik</i>	chr14:54650510-54654607	22.8369	21.6549	-0.0767	0.542171
<i>Hmbox1</i>	chr14:64811600-64949870	4.2121	4.2900	0.0264	0.779657
<i>Kctd9</i>	chr14:67715936-67742310	4.5858	4.3538	-0.0749	0.593123
<i>Vwa8</i>	chr14:78849177-79202310	5.4149	5.5886	0.0456	0.807703
<i>Bora</i>	chr14:99046426-99074537	6.8977	7.0765	0.0369	0.757259
<i>NA</i>	chr17:14978863-14991577	0.7936	0.6989	-0.1833	0.596133
<i>Zfp160</i>	chr17:21008940-21028852	15.4490	14.6482	-0.0768	0.574298

Zfp948	chr17:21567045-21588697	3.4241	3.5621	0.0570	0.736714
Gm7805	chr17:21964135-21964583	3.6092	4.0274	0.1582	0.727546
BC003965	chr17:25184560-25187661	14.8264	14.1915	-0.0631	0.372785
Gng13	chr17:25717170-25719406	1.5636	1.7335	0.1488	0.574357
Tcp11	chr17:28066746-28080639	1.2902	1.4040	0.1219	0.656910
Rnf8	chr17:29614789-29703359	26.3281	26.6163	0.0157	0.849397
Ndufa7	chr17:33824590-33838316	31.7765	32.4927	0.0322	0.769939
Psmb8	chr17:34197720-34201454	138.2337	131.5105	-0.0719	0.591667
Msh5	chr17:35028604-35046745	0.4323	0.3907	-0.1458	0.358770
Clic1	chr17:35049965-35058749	121.9893	123.7341	0.0205	0.812315
Tcf19	chr17:35512733-35516824	9.6736	10.0000	0.0479	0.769138
Mrpl14	chr17:45686321-45698495	5.4478	5.7929	0.0886	0.724767
B430306N03Rik	chr17:48316140-48327024	2.0011	2.0906	0.0631	0.785488
Gm11110	chr17:57092034-57105942	2.2389	2.4204	0.1125	0.502691
Pja2	chr17:64281004-64331916	12.5831	12.7506	0.0191	0.802803
Ypel5	chr17:72836703-72851195	22.6419	23.0651	0.0267	0.757428
Gm9311	chr17:73190257-73191685	1.1980	1.3303	0.1511	0.657537
Pam16	chr16:4616463-4624988	1.7986	1.5345	-0.2291	0.622431
Hmox2	chr16:4726360-4766742	30.2106	30.7025	0.0233	0.780399
Zc3h7a	chr16:11136591-11176393	36.7411	35.2868	-0.0583	0.495862
Gm15950	chr16:13919426-13921399	1.5608	1.6685	0.0963	0.678337
Sdf2l1	chr16:17130137-17132383	10.4547	9.6369	-0.1175	0.634894
Klhl22	chr16:17759617-17793382	3.8932	3.7170	-0.0668	0.314508
Zdhhc8	chr16:18220753-18235136	11.9967	11.3810	-0.0760	0.610061
Abcf3	chr16:20548576-20561379	25.5205	24.4797	-0.0601	0.463690
Tbccd1	chr16:22813214-22857569	7.9270	8.0621	0.0244	0.691202
Opa1	chr16:29579333-29654884	20.9730	20.1792	-0.0557	0.396232
Xxyt1	chr16:30955626-31081432	4.1189	4.2478	0.0445	0.761846
lft57	chr16:49699232-49765126	2.7917	2.9192	0.0644	0.679687
5330426P16Rik	chr16:50727965-50732743	3.0284	3.4650	0.1943	0.730427
4930453N24Rik	chr16:64751750-64771161	38.7211	39.2345	0.0190	0.768284
Cct8	chr16:87483325-87495873	93.6629	89.4144	-0.0670	0.545860
Ppp6r3	chr19:3454932-3575749	55.3224	55.9043	0.0151	0.802620
Doc2g	chr19:4003320-4007005	2.1890	2.2704	0.0527	0.434672
Ssh3	chr19:4261667-4269172	4.9699	4.6604	-0.0927	0.604971
Gm21844	chr19:4801511-4805784	10.9765	10.2163	-0.1035	0.487625
Mrpl49	chr19:6053629-6057751	24.6425	23.5984	-0.0625	0.404776
Cox8a	chr19:7215157-7217616	126.9925	131.3939	0.0492	0.785464
Tmem258	chr19:10204013-10207824	32.2577	33.1283	0.0384	0.800351
Cep78	chr19:15955773-15984989	4.4018	4.1154	-0.0971	0.582717
Tjp2	chr19:24094522-24225026	0.9465	1.0146	0.1003	0.757378
Uhrf2	chr19:30030512-30093722	18.2236	17.4960	-0.0588	0.498366
Pdlim1	chr19:40221172-40271842	9.3844	9.5637	0.0273	0.755721
Pgam1	chr19:41911870-41918664	2.5917	2.3984	-0.1119	0.402073
Gpam	chr19:55069733-55099451	5.5571	5.6926	0.0348	0.787120
Rrs1	chr1:9545407-9547454	12.3229	11.6417	-0.0820	0.587656
Shhg6	chr1:9941958-9944118	31.9634	30.1374	-0.0849	0.626667
Mgat4a	chr1:37439339-37541016	16.5380	15.8794	-0.0586	0.488910
Rev1	chr1:38052786-38129662	8.6892	8.3266	-0.0615	0.340885
Cnot11	chr1:39534991-39546881	15.6401	14.9792	-0.0623	0.461065
Ercc5	chr1:44147846-44181260	12.1469	11.6690	-0.0579	0.290713
Slc39a10	chr1:46807543-46854046	5.4733	5.1832	-0.0786	0.567361
Stat1	chr1:52119437-52161865	246.2914	233.8317	-0.0749	0.628465
Nop58	chr1:59685005-59711510	89.5153	91.3310	0.0290	0.786601
Cul3	chr1:80264922-80340480	63.4768	61.1041	-0.0550	0.430189
Cops8	chr1:90603424-90613341	28.3913	27.1356	-0.0653	0.489125
Pign	chr1:105518421-105659008	10.9028	11.1393	0.0310	0.819168
2310035C23Rik	chr1:105663860-105755131	27.4677	26.4924	-0.0522	0.298472
Steap3	chr1:120190756-120272705	0.3325	0.3639	0.1302	0.675554
Ubxn4	chr1:128244180-128279377	36.5321	37.0024	0.0185	0.769876
Elk4	chr1:132007606-132032612	47.1340	47.5006	0.0112	0.827393
Trove2	chr1:143750789-143777068	2.0713	1.9736	-0.0697	0.417361
Fam20b	chr1:156678544-156719001	7.8352	7.9323	0.0178	0.811119
Tada1	chr1:166379096-166393621	10.6828	10.1933	-0.0677	0.498607
Usf1	chr1:171411312-171419142	22.4623	21.6148	-0.0555	0.280509
Igsf9	chr1:172481787-172498878	0.2207	0.1904	-0.2127	0.553979
A430110L20Rik	chr1:181225985-181228498	1.9405	1.7976	-0.1104	0.459914
Dusp10	chr1:184013301-184075636	29.0581	27.6091	-0.0738	0.596847
Gm5687	chr18:12898426-12899066	7.2051	6.5767	-0.1317	0.554857
Map3k2	chr18:32163088-32236751	18.3947	17.6944	-0.0560	0.440623
Ercc3	chr18:32240299-32270151	19.4886	18.7555	-0.0553	0.319074

<i>Dnd1</i>	chr18:36763670-36766214	3.1208	2.9050	-0.1034	0.563145
<i>Hars</i>	chr18:36766529-36783205	46.1851	46.8777	0.0215	0.794731
<i>Taf7</i>	chr18:37640901-37644204	19.5732	20.1762	0.0438	0.801473
<i>Fem1c</i>	chr18:46501745-46525971	10.7741	10.9199	0.0194	0.788990
<i>Ndst1</i>	chr18:60685977-60713389	8.4101	8.5428	0.0226	0.799792
<i>Gm26202</i>	chr18:75001879-75001944	34.8835	38.0852	0.1267	0.709567
<i>BC031181</i>	chr18:75005899-75009933	36.4116	34.4292	-0.0808	0.598432
<i>Timm21</i>	chr18:84947293-84951524	25.7572	26.2838	0.0292	0.767693
<i>Eif3s6-ps2</i>	chr18:90311824-90312043	21.7779	23.4251	0.1052	0.762602
<i>Dclre1c</i>	chr2:3424130-3464130	4.7286	4.8338	0.0317	0.784941
<i>Gm13184</i>	chr2:3468612-3474546	1.1987	1.3810	0.2042	0.684195
<i>Phyh</i>	chr2:4919018-4938730	19.2996	19.6577	0.0265	0.725847
<i>Gm13256</i>	chr2:9877255-9878869	3.0039	2.6488	-0.1815	0.620874
<i>NA</i>	chr2:10047837-10049519	1.3365	1.2042	-0.1505	0.505597
<i>Gm13340</i>	chr2:22588102-22589647	3.0503	2.8133	-0.1167	0.479663
<i>Wdr5</i>	chr2:27515156-27536535	17.9060	18.1358	0.0184	0.731095
<i>Gle1</i>	chr2:29935425-29960371	10.8204	10.4225	-0.0541	0.322943
<i>Zdhhc12</i>	chr2:30090943-30093648	5.3003	5.5617	0.0695	0.735430
<i>Neb</i>	chr2:52136646-52338798	1.4474	1.3670	-0.0824	0.630552
<i>Nr4a2</i>	chr2:57106829-57124003	0.8382	0.7544	-0.1520	0.643923
<i>Gm24996</i>	chr2:75686739-75686838	7.5531	8.9191	0.2398	0.701938
<i>Mdk</i>	chr2:91929804-91932297	1.7901	1.6171	-0.1466	0.349893
<i>Gylt1b</i>	chr2:92365045-92374869	0.1826	0.1576	-0.2123	0.590008
<i>Apip</i>	chr2:103073674-103092644	6.5973	6.1200	-0.1083	0.615199
<i>Chp1</i>	chr2:119547696-119587027	19.4599	19.8464	0.0284	0.783741
<i>Mga</i>	chr2:119897227-119969581	26.8729	27.2238	0.0187	0.824559
<i>Cdan1</i>	chr2:120716153-120850128	5.7993	5.5383	-0.0664	0.559147
<i>Cep152</i>	chr2:125563087-125625113	10.5822	10.1789	-0.0561	0.269620
<i>Slc52a3</i>	chr2:151996510-152009258	1.9476	1.7702	-0.1378	0.642812
<i>Csnk2a1</i>	chr2:152226838-152281852	22.7287	23.0277	0.0189	0.776481
<i>Asx1</i>	chr2:153345844-153404007	17.4580	17.8973	0.0358	0.820590
<i>a</i>	chr2:154791401-155051012	10.0151	9.3823	-0.0942	0.561070
<i>Gm16796</i>	chr2:170499356-170511927	0.2536	0.2148	-0.2392	0.459824
<i>Impa1</i>	chr3:10313539-10331439	19.1563	18.3472	-0.0623	0.435649
<i>Mrpl47</i>	chr3:32725396-32737147	9.1677	8.7106	-0.0738	0.529766
<i>Atp11b</i>	chr3:35754133-35856274	54.2788	55.2322	0.0251	0.836532
<i>1700034I23Rik</i>	chr3:40900199-40902501	0.5986	0.6616	0.1442	0.604190
<i>Gm16206</i>	chr3:53452618-53457797	3.1022	2.8863	-0.1041	0.440024
<i>Gm5538</i>	chr3:59729785-59752397	1.3440	1.4764	0.1356	0.620415
<i>Lrba</i>	chr3:86224689-86782693	26.5609	26.9111	0.0189	0.816311
<i>Hmgb1-ps5</i>	chr3:95530417-95530974	2.3880	2.6197	0.1336	0.475111
<i>Gm12474</i>	chr3:100489663-100523920	1.4285	1.2869	-0.1506	0.527899
<i>Ttf2</i>	chr3:100938859-100969663	6.4068	6.0602	-0.0802	0.623941
<i>Csde1</i>	chr3:103020545-103058189	133.2975	135.6346	0.0251	0.789272
<i>Gstm4</i>	chr3:108040407-108044894	1.2194	1.0821	-0.1723	0.548000
<i>Gm24016</i>	chr4:3835078-3835146	15.5460	17.4605	0.1676	0.639630
<i>Rab2a</i>	chr4:8535643-8607778	51.4210	52.5872	0.0324	0.771249
<i>Rngtt</i>	chr4:33310310-33502614	12.2848	11.7998	-0.0581	0.397763
<i>Gm568</i>	chr4:47008315-47010781	2.5899	2.8999	0.1631	0.673849
<i>Gm11488</i>	chr4:73497614-73498477	1.0972	0.9271	-0.2431	0.607251
<i>Mysm1</i>	chr4:94942039-94979100	24.7264	23.6831	-0.0622	0.525125
<i>E130102H24Rik</i>	chr4:101346530-101356248	14.1424	14.6344	0.0493	0.716275
<i>Ccdc30</i>	chr4:119322892-119415521	2.0315	1.9120	-0.0875	0.537433
<i>Rragc</i>	chr4:123917445-123936997	17.6277	16.9269	-0.0585	0.365404
<i>Zscan20</i>	chr4:128583538-128610098	3.2921	3.1488	-0.0642	0.396486
<i>Khdrbs1</i>	chr4:129703163-129742303	28.5993	28.9428	0.0172	0.811069
<i>Sdc3</i>	chr4:130792536-130826319	0.3997	0.4450	0.1549	0.752032
<i>Wdtd1</i>	chr4:133292458-133353481	8.0457	7.6391	-0.0748	0.576106
<i>Mfn2</i>	chr4:147873598-147904704	9.0475	8.6716	-0.0612	0.482368
<i>Dnajc11</i>	chr4:151933690-151982137	7.1129	6.8306	-0.0584	0.382070
<i>Pex10</i>	chr4:155067015-155072433	6.9879	6.6567	-0.0701	0.338151
<i>Gm26477</i>	chr12:90981224-90981547	3.3755	2.8456	-0.2464	0.570498
<i>Gm6055</i>	chr14:48079135-48079806	1.6369	1.3661	-0.2609	0.594805
<i>Gm11935</i>	chr4:33452490-33452889	2.0079	1.6977	-0.2421	0.393493
<i>Pat1</i>	chr19:11912398-11945096	10.1529	10.3633	0.0296	0.795852
<i>Mkln1</i>	chr6:31398734-31516811	7.4837	7.5724	0.0170	0.809846
<i>Bcat1</i>	chr6:144993834-145076184	0.3862	0.4070	0.0759	0.673326
<i>Slmo2</i>	chr2:174465066-174473081	22.0688	22.5592	0.0317	0.788486
<i>Sys1</i>	chr2:164456963-164479638	10.3368	9.9344	-0.0573	0.402180
<i>Tiam2</i>	chr17:3326572-3519397	0.5296	0.5628	0.0877	0.636274
<i>Tagap</i>	chr17:7925999-7934897	47.6850	45.7258	-0.0605	0.538577

<i>C330006A16Rik</i>	chr2:26136813-26140521	15.3051	14.5331	-0.0747	0.594985
<i>2500002B13Rik</i>	chr8:57488053-57508877	0.5644	0.6133	0.1199	0.618243
<i>Gm14586</i>	chrX:52772341-52772749	6.1401	6.5465	0.0925	0.621555
<i>Ppif</i>	chr14:25694153-25700468	6.5672	6.6819	0.0250	0.727083
<i>1700021A07Rik</i>	chr10:21425341-21425650	8.6007	7.8102	-0.1391	0.528369
<i>Zbtb24</i>	chr10:41450395-41465571	18.3737	17.6444	-0.0584	0.384860
<i>Mcm9</i>	chr10:53536328-53630439	8.6102	8.7332	0.0205	0.745895
<i>Dohh</i>	chr10:81384427-81391560	10.0026	10.2525	0.0356	0.811156
<i>Tdg</i>	chr10:82629827-82650799	1.7505	1.8185	0.0549	0.762362
<i>Ndufa12</i>	chr10:94198954-94221443	14.2906	14.7260	0.0433	0.795467
<i>Ikzf4</i>	chr10:128630842-128645991	0.6617	0.6947	0.0703	0.659002
<i>Gm24313</i>	chr11:6619807-6619940	5.9887	5.1150	-0.2275	0.542723
<i>Fam161a</i>	chr11:23007530-23030788	0.1608	0.1883	0.2280	0.644186
<i>Rel</i>	chr11:23741513-23770970	6.9845	7.1654	0.0369	0.787098
<i>Pigl</i>	chr11:62458459-62514417	4.2172	3.9472	-0.0955	0.595370
<i>Vamp2</i>	chr11:69088489-69092384	5.8524	6.0151	0.0396	0.793411
<i>Nlgn2</i>	chr11:69823121-69837784	0.2334	0.2571	0.1396	0.654892
<i>Kif1c</i>	chr11:70700547-70731964	8.8751	8.4337	-0.0736	0.642834
<i>Gm11527</i>	chr11:95858161-95859174	1.4243	1.6007	0.1685	0.481230
<i>Med1</i>	chr11:98152153-98193293	22.6896	22.7973	0.0068	0.788569
<i>Vps25</i>	chr11:101253706-101259549	22.7050	23.1237	0.0264	0.811689
<i>Bptf</i>	chr11:107033080-107132127	32.9492	31.7735	-0.0524	0.505418
<i>Trim65</i>	chr11:116121845-116131128	6.1035	5.8206	-0.0685	0.575025
<i>Actg1</i>	chr11:120345689-120348542	11.4503	10.9046	-0.0704	0.565464
<i>Itgb1bp1</i>	chr12:21240824-21286237	13.2665	12.6848	-0.0647	0.522753
<i>Acp1</i>	chr12:30893325-30911612	5.3468	5.5029	0.0415	0.784496
<i>Hdac9</i>	chr12:34371502-34528889	0.4546	0.4941	0.1204	0.718203
<i>Brms1l</i>	chr12:55836365-55869735	13.5410	13.0143	-0.0572	0.200179
<i>Zbtb25</i>	chr12:76347781-76369602	11.2466	11.4877	0.0306	0.790497
<i>Arg2</i>	chr12:79130776-79156301	1.6829	1.8020	0.0987	0.667386
<i>Eif2b2</i>	chr12:85219480-85226628	25.5480	24.4942	-0.0608	0.469511
<i>Gm20682</i>	chr12:99292607-99296620	0.5064	0.5673	0.1639	0.756324
<i>Glrx5</i>	chr12:105032688-105040910	26.8454	25.4835	-0.0751	0.574961
<i>Wars</i>	chr12:108860029-108894174	24.6125	24.8262	0.0125	0.850502
<i>Gtpbp4</i>	chr13:8972070-8996017	48.4103	46.2998	-0.0643	0.579954
<i>Mtr</i>	chr13:12186541-12258113	19.1399	18.4481	-0.0531	0.379011
<i>1110007C09Rik</i>	chr13:49202950-49216026	19.1736	19.8418	0.0494	0.783965
<i>Gm3604</i>	chr13:62368862-62371936	2.7348	2.4946	-0.1327	0.633731
<i>Ercc6l2</i>	chr13:63815239-63900302	8.5884	8.2574	-0.0567	0.418311
<i>Rsl1</i>	chr13:67173206-67183126	11.5263	10.9620	-0.0724	0.519803
<i>lpo11</i>	chr13:106794438-106936915	13.2022	12.6872	-0.0574	0.398298
<i>Gm7120</i>	chr13:119487940-119610458	0.4546	0.4028	-0.1744	0.603585
<i>Zfp131</i>	chr13:119765186-119790805	37.9646	36.4731	-0.0578	0.481474
<i>Tmem214</i>	chr5:30869578-30879191	9.6939	9.3620	-0.0503	0.149568
<i>Acox3</i>	chr5:35583039-35613801	8.0564	7.7603	-0.0540	0.458735
<i>Pacrgl</i>	chr5:48372391-48388756	4.6123	4.7757	0.0502	0.608189
<i>2010109A12Rik</i>	chr5:93206517-93213475	1.9701	1.7145	-0.2005	0.640259
<i>Zfp932</i>	chr5:109996520-110010411	5.4575	5.1405	-0.0863	0.651159
<i>Gm26711</i>	chr5:110385834-110388073	0.7156	0.7890	0.1409	0.673362
<i>Cox6a1</i>	chr5:115345641-115348981	97.7792	92.9019	-0.0738	0.600151
<i>Sh2b3</i>	chr5:121815487-121836859	13.5415	13.7853	0.0257	0.827130
<i>Denr</i>	chr5:123907174-123928832	15.7980	16.3273	0.0475	0.807492
<i>Zfp11</i>	chr5:129654592-129670099	1.1357	1.0465	-0.1179	0.609697
<i>Stx1a</i>	chr5:135023481-135051100	7.7860	7.9440	0.0290	0.747748
<i>Wbscr22</i>	chr5:135052956-135064959	12.7994	12.2519	-0.0631	0.445337
<i>Ap5z1</i>	chr5:142463930-142478715	7.7701	7.4283	-0.0649	0.519883
<i>Pon2</i>	chr6:5264146-5298455	11.1029	11.2583	0.0201	0.790817
<i>Bpgm</i>	chr6:34476206-34505613	6.8572	7.0421	0.0384	0.795036
<i>Pdia4</i>	chr6:47796141-47813512	67.8089	68.7790	0.0205	0.847803
<i>Chmp3</i>	chr6:71543796-71582609	30.5208	30.9715	0.0211	0.799207
<i>Mthfd2</i>	chr6:83305690-83317606	15.0474	14.3912	-0.0643	0.515479
<i>Cml1</i>	chr6:85910153-85915687	4.0852	4.2478	0.0563	0.633214
<i>Plxnd1</i>	chr6:115954810-115995005	0.1366	0.1166	-0.2281	0.585153
<i>Zfp637</i>	chr6:117841179-117845956	5.4730	5.1908	-0.0764	0.433588
<i>Grccl0</i>	chr6:124739182-124741374	66.2383	68.1432	0.0409	0.819262
<i>Gm26656</i>	chr6:128843785-128846959	0.7680	0.8388	0.1272	0.752803
<i>Napa</i>	chr7:16098457-16117975	21.8368	22.0393	0.0133	0.790930
<i>D930028M14Rik</i>	chr7:25152456-25156623	8.0618	8.4072	0.0605	0.753946
<i>Erf</i>	chr7:25242560-25250761	7.3963	6.9551	-0.0887	0.677726
<i>Cic</i>	chr7:25267703-25294159	8.6675	8.9797	0.0510	0.827529
<i>Snord35b</i>	chr7:45123024-45123111	318.2196	301.3719	-0.0785	0.645622

<i>Snrnp70</i>	chr7:45376461-45395692	180.4566	173.8267	-0.0540	0.476456
<i>Ruvbl2</i>	chr7:45421851-45438096	21.0546	20.1133	-0.0660	0.547808
<i>Gys1</i>	chr7:45434843-45456619	2.5395	2.6134	0.0413	0.736664
<i>9330171B17Rik</i>	chr7:79710370-79712357	1.0477	1.1478	0.1317	0.726038
<i>Zfp710</i>	chr7:80024813-80092751	8.3655	8.0026	-0.0640	0.578296
<i>Zfp592</i>	chr7:80993680-81045164	19.6805	18.8035	-0.0658	0.616225
<i>Fam160a2</i>	chr7:105371210-105400054	3.5027	3.3528	-0.0631	0.556356
<i>Nrip3</i>	chr7:109758054-109782025	1.4673	1.3611	-0.1084	0.564659
<i>Ctr9</i>	chr7:111028950-111056377	20.3233	20.5276	0.0144	0.821695
<i>Zfp747</i>	chr7:127372563-127376050	9.1031	8.5629	-0.0883	0.639026
<i>4932443L11Rik</i>	chr8:4162521-4206882	0.4652	0.5061	0.1216	0.245960
<i>Lig4</i>	chr8:9970019-9977686	2.8194	2.6787	-0.0739	0.232673
<i>C330011M18Rik</i>	chr8:84065235-84067287	6.9212	6.5125	-0.0878	0.620129
<i>Rnaseh2a</i>	chr8:84956609-84969767	10.6460	10.2084	-0.0606	0.401418
<i>Ctcf</i>	chr8:105636567-105682922	49.7762	50.1111	0.0097	0.813517
<i>Sf3b3</i>	chr8:110810491-110846803	77.9094	75.4848	-0.0456	0.293597
<i>Elof1</i>	chr9:22112988-22117148	23.1855	24.0776	0.0545	0.800606
<i>Rnf214</i>	chr9:45863424-45906894	7.3311	7.4416	0.0216	0.781462
<i>Snx33</i>	chr9:56917199-56928371	7.5092	7.1753	-0.0656	0.508445
<i>Calml4</i>	chr9:62858103-62875918	1.2357	1.3865	0.1661	0.741142
<i>Mthfsl</i>	chr9:88688604-88719798	4.0161	4.2282	0.0743	0.506633
<i>Vprbp</i>	chr9:106821873-106883318	25.8299	25.9716	0.0079	0.828364
<i>Tusc2</i>	chr9:107563254-107566108	19.4895	19.9981	0.0372	0.785797
<i>Arih2</i>	chr9:108602941-108649380	19.6513	18.9501	-0.0524	0.365218
<i>Ulk4</i>	chr9:120960267-121277197	4.2618	4.0830	-0.0619	0.460501
<i>Xcr1</i>	chr9:123852314-123862029	0.5046	0.4495	-0.1670	0.637452
<i>Bcor</i>	chrX:12036739-12160355	16.1954	15.6123	-0.0529	0.483300
<i>Slc25a5</i>	chrX:36795650-36798807	70.6953	67.3554	-0.0698	0.574702
<i>Cd99l2</i>	chrX:71420059-71492849	3.2112	3.0382	-0.0799	0.524768
<i>Avpr2</i>	chrX:73892101-73895502	40.6759	40.9924	0.0112	0.857157
<i>Gm9143</i>	chrX:103037623-103038368	1.2559	1.4243	0.1815	0.634704
<i>Rlim</i>	chrX:103957162-103981284	39.0375	39.2180	0.0067	0.826347
<i>Trmt2b</i>	chrX:134222338-134276984	9.6419	9.2396	-0.0615	0.434862
<i>Armxc3</i>	chrX:134756594-134761455	0.7542	0.6836	-0.1417	0.544542
<i>3632454L22Rik</i>	chrX:135022733-135060336	0.9390	0.9819	0.0644	0.733159
<i>Gm26035</i>	chrX:152923452-152923760	5.9377	6.5007	0.1307	0.767465
<i>Ebag9</i>	chr15:44619640-44641024	17.1896	17.5462	0.0296	0.796118
<i>Med30</i>	chr15:52712444-52730431	40.2473	38.4208	-0.0670	0.510174
<i>Josd1</i>	chr15:79674249-79687872	8.8789	8.5036	-0.0623	0.443771
<i>Mkl1</i>	chr15:81012280-81190757	16.4959	17.1242	0.0539	0.831302
<i>Pmm1</i>	chr15:81951107-81960930	4.0213	4.1778	0.0551	0.779128
<i>Phf21b</i>	chr15:84785380-84856049	0.9103	0.9627	0.0808	0.708582
<i>Smagp</i>	chr15:100621341-100636865	0.7106	0.6098	-0.2206	0.342709
<i>Nfe2</i>	chr15:103248211-103258403	0.3854	0.4223	0.1319	0.320984
<i>Pxk</i>	chr14:8098212-8165111	19.3466	19.5734	0.0168	0.734469
<i>Mapk1ip1l</i>	chr14:47298313-47323204	12.0011	12.1919	0.0228	0.819780
<i>Traj41</i>	chr14:54176270-54176325	25.5256	22.5801	-0.1769	0.426378
<i>Pck2</i>	chr14:55540265-55550017	1.7089	1.7914	0.0681	0.689166
<i>Sucla2</i>	chr14:73525318-73596142	16.5584	16.7942	0.0204	0.809753
<i>Tbp</i>	chr17:15499887-15528379	11.4516	11.5780	0.0158	0.810125
<i>3110052M02Rik</i>	chr17:21657581-21662540	6.0828	5.6919	-0.0958	0.575866
<i>Fahd1</i>	chr17:24848895-24850302	3.3330	3.5422	0.0878	0.766717
<i>Mir3082</i>	chr17:25831364-25831428	84.1276	88.0284	0.0654	0.647372
<i>Gm26885</i>	chr17:29461895-29491925	16.2755	17.0047	0.0632	0.822177
<i>Gm26549</i>	chr17:32284786-32298689	5.0424	4.7062	-0.0995	0.446285
<i>Zfp563</i>	chr17:33089309-33106203	4.4408	4.1663	-0.0921	0.562360
<i>Hsp90ab1</i>	chr17:45567774-45573271	327.6004	313.9458	-0.0614	0.552451
<i>Oard1</i>	chr17:48410013-48417266	30.1027	30.7334	0.0299	0.828321
<i>Safb</i>	chr17:56584824-56606294	19.1852	18.4813	-0.0539	0.498466
<i>Alkbh7</i>	chr17:56997338-56999322	7.3665	6.9168	-0.0909	0.466740
<i>Ralbp1</i>	chr17:65848432-65885755	35.2776	33.7490	-0.0639	0.565033
<i>Mcf2</i>	chr17:87254657-87265935	10.7186	10.2567	-0.0635	0.313436
<i>Gm15558</i>	chr16:10669247-10683539	0.4292	0.3662	-0.2291	0.686998
<i>2610020C07Rik</i>	chr16:11203382-11225796	6.9256	6.5833	-0.0731	0.547684
<i>Gm6630</i>	chr16:23179555-23180011	2.6424	2.3321	-0.1802	0.593025
<i>Gm15658</i>	chr16:33770429-33787112	3.8626	4.1959	0.1194	0.757758
<i>Gm15829</i>	chr16:33966238-33967312	5.6782	5.9853	0.0760	0.772050
<i>Gart</i>	chr16:91621185-91646952	44.0059	42.4270	-0.0527	0.403228
<i>Aip</i>	chr19:4114445-4125858	25.8521	26.4214	0.0314	0.814173
<i>BC048609</i>	chr19:6080032-6080788	4.8847	4.4012	-0.1504	0.608183
<i>Arl2</i>	chr19:6134373-6141406	6.0327	5.7578	-0.0673	0.423474

<i>Wdr74</i>	chr19:8735838-8740623	40.9674	39.2026	-0.0635	0.506952
<i>Zbtb3</i>	chr19:8802529-8804854	1.5935	1.6947	0.0889	0.699600
<i>Gm10143</i>	chr19:10198367-10202384	10.9172	11.0543	0.0180	0.765471
<i>Smarca2</i>	chr19:26605114-26778321	24.8782	25.0542	0.0102	0.833409
<i>Dntt</i>	chr19:41029274-41059523	4.7764	4.3549	-0.1333	0.718916
<i>Poll</i>	chr19:45552274-45560531	6.6940	6.2790	-0.0923	0.612177
<i>Kcnp2</i>	chr19:45791838-45816061	0.8138	0.8662	0.0901	0.595508
<i>Uggt1</i>	chr1:36141529-36244305	42.4961	40.8869	-0.0557	0.551903
<i>Tsga10</i>	chr1:37754571-37865298	0.5920	0.6232	0.0740	0.744408
<i>1700019D03Rik</i>	chr1:52922323-52963260	0.1835	0.2097	0.1931	0.620917
<i>Fastkd2</i>	chr1:63730613-63754655	8.0096	7.6700	-0.0625	0.495652
<i>Gm26649</i>	chr1:64029462-64032927	6.1116	6.2838	0.0401	0.768398
<i>Gm13748</i>	chr1:64078653-64090782	2.5013	2.7573	0.1406	0.448651
<i>Mettl21a</i>	chr1:64606472-64617242	8.1704	7.8265	-0.0620	0.245509
<i>Atg9a</i>	chr1:75180865-75191923	7.4780	7.6528	0.0333	0.804001
<i>Tm4sf20</i>	chr1:82756648-82768461	1.3303	1.1965	-0.1530	0.547926
<i>G530012D18Rik</i>	chr1:85575675-85577295	47.9079	45.3427	-0.0794	0.582524
<i>St8sia4</i>	chr1:95587683-95667594	27.3777	27.9240	0.0285	0.819219
<i>Gm3531</i>	chr1:97948900-97949389	9.5544	8.7158	-0.1325	0.639369
<i>Klh12</i>	chr1:134455530-134491018	5.1157	4.9032	-0.0612	0.327374
<i>Gm26598</i>	chr1:136622097-136624650	0.3465	0.2923	-0.2455	0.631828
<i>Xpr1</i>	chr1:155275700-155417415	6.3046	6.3841	0.0181	0.804503
<i>NA</i>	chr1:167223826-167223919	57.4321	53.2184	-0.1099	0.578557
<i>Iars2</i>	chr1:185284725-185329396	18.2560	18.4507	0.0153	0.866121
<i>Kctd3</i>	chr1:188971097-189007840	5.8653	6.0135	0.0360	0.771944
<i>Elp2</i>	chr18:24603960-24638830	42.1004	40.6455	-0.0507	0.297785
<i>Smim3</i>	chr18:60474192-60501983	0.7523	0.8278	0.1381	0.690523
<i>Stam</i>	chr2:14074099-14148338	6.7817	6.5102	-0.0590	0.304479
<i>Golga2</i>	chr2:32287383-32307921	15.3413	15.5476	0.0193	0.834182
<i>Stk39</i>	chr2:68210444-68472268	3.6163	3.7143	0.0386	0.809556
<i>Hnrmpa3</i>	chr2:75659260-75669407	4.4656	4.2562	-0.0693	0.553702
<i>Gm17661</i>	chr2:90917642-90917914	2.7938	3.1802	0.1869	0.629986
<i>Ciao1</i>	chr2:127240937-127247816	20.7287	19.8753	-0.0607	0.479488
<i>Nop56</i>	chr2:130274429-130279313	41.3445	41.4873	0.0050	0.840174
<i>Ap5s1</i>	chr2:131207077-131213514	6.2267	5.8638	-0.0867	0.536106
<i>Sdcbp2</i>	chr2:151572621-151590005	2.7836	2.9810	0.0989	0.755848
<i>Plagl2</i>	chr2:153227758-153241426	4.2310	4.0318	-0.0696	0.559016
<i>Gm14276</i>	chr2:156994234-156994891	1.9798	2.1832	0.1411	0.569792
<i>Eya2</i>	chr2:165595031-165771727	6.5374	6.1480	-0.0886	0.638313
<i>Ctsz</i>	chr2:174427492-174439039	23.9816	24.5604	0.0344	0.811173
<i>Lama5</i>	chr2:180176372-180225859	0.1547	0.1672	0.1120	0.568195
<i>Mir3091</i>	chr2:180257535-180257611	13.8721	12.0738	-0.2003	0.472078
<i>Gm24786</i>	chr3:9829619-9829728	17.5903	19.2172	0.1276	0.693045
<i>Lxn</i>	chr3:67457997-67463926	3.0014	2.7811	-0.1100	0.510397
<i>Tmem154</i>	chr3:84666191-84704575	2.9628	3.0755	0.0539	0.773879
<i>Rps27</i>	chr3:90212724-90213615	15.9029	14.4158	-0.1416	0.612589
<i>Mcl1</i>	chr3:95658720-95663176	204.5837	197.8376	-0.0484	0.310194
<i>Terc</i>	chr3:96414436-96414859	70.1540	72.2753	0.0430	0.819649
<i>Fam46c</i>	chr3:100451627-100489324	14.5557	14.8927	0.0330	0.838842
<i>Hint2</i>	chr4:43654226-43656466	5.9907	5.6264	-0.0905	0.545311
<i>Map7d1</i>	chr4:126232166-126256343	13.0071	12.3537	-0.0744	0.663117
<i>Zmym6</i>	chr4:127077382-127124372	7.4127	7.1378	-0.0545	0.310591
<i>Gm26615</i>	chr4:133085473-133089146	1.1851	1.2545	0.0821	0.748923
<i>Aunip</i>	chr4:134510998-134523927	1.0012	0.8754	-0.1937	0.613879
<i>Hnrnpr</i>	chr4:136310941-136342968	24.4731	24.6576	0.0108	0.797108
<i>Gm8566</i>	chr6:67205618-67206083	1.4059	1.6592	0.2390	0.702594
<i>Clec11a</i>	chr7:44303769-44306959	1.4122	1.2887	-0.1320	0.591476
<i>NA</i>	chr1:137928169-137930273	0.3741	0.4199	0.1669	0.618769
<i>Zdhhc21</i>	chr4:82798737-82859958	5.9450	5.6960	-0.0617	0.555727
<i>Laptm5</i>	chr4:130913124-130936141	144.6535	138.6433	-0.0612	0.603379
<i>Fxr2</i>	chr11:69632989-69653297	20.9547	20.1907	-0.0536	0.415067
<i>4732440D04Rik</i>	chr1:6213292-6214590	12.1545	12.6560	0.0583	0.587079
<i>Armc8</i>	chr9:99478390-99568899	18.0669	18.2450	0.0141	0.835768
<i>Cct5</i>	chr15:31590799-31601847	152.4488	145.5729	-0.0666	0.606428
<i>Cpsf2</i>	chr12:101975973-102005993	19.4943	18.7976	-0.0525	0.377206
<i>Smim20</i>	chr5:53267105-53283510	4.1223	4.1893	0.0233	0.766689
<i>Plbd2</i>	chr5:120483281-120503625	2.4909	2.5809	0.0512	0.812832
<i>Gtf2a2</i>	chr9:70012549-70022866	14.9911	14.3733	-0.0607	0.484604
<i>BC065403</i>	chr9:72361734-72409943	12.9233	12.2517	-0.0770	0.530210
<i>Ubr3</i>	chr2:69897245-70024013	14.2935	13.7757	-0.0532	0.488442
<i>Aes</i>	chr10:81559493-81566362	232.9661	238.2511	0.0324	0.838147

<i>Rnf130</i>	chr11:50025345-50104758	20.4282	20.8395	0.0288	0.804264
<i>Eme1</i>	chr11:94644995-94653964	4.4047	4.1502	-0.0859	0.610206
<i>Hpcal1</i>	chr12:17690813-17791926	47.1282	45.1285	-0.0626	0.550745
<i>Dicer1</i>	chr12:104687741-104751952	19.4964	18.7070	-0.0596	0.599661
<i>Tbce</i>	chr13:13997948-14039638	22.5212	21.6146	-0.0593	0.553080
<i>Dusp22</i>	chr13:30659998-30711231	3.6724	3.4382	-0.0951	0.450919
<i>Gm26756</i>	chr5:67427679-67437990	1.6445	1.4869	-0.1454	0.550060
<i>Gatc</i>	chr5:115333241-115341178	12.3509	11.8258	-0.0627	0.377803
<i>AI480526</i>	chr5:123133722-123141666	7.8448	7.4673	-0.0711	0.628026
<i>Gm15624</i>	chr6:83166151-83172733	1.5400	1.4182	-0.1189	0.607533
<i>Plbd1</i>	chr6:136612069-136661928	1.0491	1.1198	0.0941	0.747173
<i>Gm26853</i>	chr8:19789797-19798548	0.2086	0.2340	0.1663	0.515125
<i>Fam76b</i>	chr9:13827715-13846541	28.1673	28.4015	0.0119	0.833389
<i>Csnk1g1</i>	chr9:65908973-66045009	8.1083	8.2407	0.0234	0.842080
<i>1190002N15Rik</i>	chr9:94517863-94538081	10.5018	10.7019	0.0272	0.817581
<i>Maaa</i>	chrX:16619697-16687818	0.1732	0.1981	0.1933	0.641906
<i>Wdr44</i>	chrX:23693050-23806025	5.0981	5.1687	0.0198	0.805874
<i>A230072E10Rik</i>	chrX:151291973-151344846	3.4189	3.2511	-0.0726	0.605856
<i>Rac2</i>	chr15:78559168-78572783	217.5730	220.4912	0.0192	0.848927
<i>Egr3</i>	chr14:70077444-70080157	1.8458	1.9688	0.0931	0.675221
<i>Ergic1</i>	chr17:26561488-26656931	4.0695	4.1430	0.0258	0.785683
<i>H2-Ob</i>	chr17:34238902-34245907	19.4400	19.7661	0.0240	0.828692
<i>Polr2h</i>	chr16:20717664-20722267	13.1556	12.2842	-0.0989	0.650340
<i>Usp40</i>	chr1:87945120-88008551	11.0959	10.6343	-0.0613	0.525771
<i>Mia3</i>	chr1:183326724-183369529	43.5237	42.0328	-0.0503	0.469031
<i>Tmem206</i>	chr1:191325911-191350914	7.2411	6.8813	-0.0735	0.558176
<i>Arrdc1</i>	chr2:24925351-24935252	39.2522	37.9823	-0.0474	0.170451
<i>Qrfp</i>	chr2:31806165-31810580	3.9937	4.1929	0.0702	0.807928
<i>Zfp687</i>	chr3:95006589-95015448	11.0237	10.6151	-0.0545	0.476325
<i>Sec24d</i>	chr3:123267495-123365635	4.1956	3.9743	-0.0782	0.581651
<i>Wls</i>	chr3:159839736-159935833	15.0238	15.3631	0.0322	0.828884
<i>Gm6899</i>	chr11:26593240-26593862	1.7365	1.9364	0.1572	0.666355
<i>Slc16a11</i>	chr11:70212751-70216417	0.7792	0.8459	0.1185	0.688452
<i>Psmd9</i>	chr5:123228189-123250131	4.5629	4.6424	0.0249	0.771588
<i>Zdhhc14</i>	chr17:5492599-5753891	1.0863	0.9975	-0.1231	0.561613
<i>Btrc</i>	chr19:45363733-45533341	3.1521	3.2176	0.0297	0.778835
<i>Ctdp1</i>	chr18:80407958-80469695	22.5997	21.6909	-0.0592	0.576076
<i>Dclre1b</i>	chr3:103800604-103809444	5.7100	5.8001	0.0226	0.818187
<i>Rnf167</i>	chr11:70647234-70651421	101.1561	97.6922	-0.0503	0.418539
<i>Bcas3os1</i>	chr11:85702199-85719744	0.8938	0.8072	-0.1471	0.698350
<i>Wdr45b</i>	chr11:121327223-121354445	10.4684	10.0822	-0.0542	0.301113
<i>Mthfd1</i>	chr12:76255231-76319820	25.0518	24.0842	-0.0568	0.468837
<i>Tmem165</i>	chr5:76183879-76209245	28.5254	27.5059	-0.0525	0.380478
<i>Gtpbp1</i>	chr15:79690894-79721478	57.1238	57.9138	0.0198	0.849020
<i>Gm7707</i>	chr14:32266592-32267748	2.2092	2.0074	-0.1382	0.561958
<i>Npc1</i>	chr18:12189692-12236400	9.5631	9.7168	0.0230	0.849239
<i>Mybpc3</i>	chr2:91118143-91136516	0.7164	0.7713	0.1064	0.779327
<i>Ebna1bp2</i>	chr4:118620798-118627776	29.6467	29.9999	0.0171	0.824948
<i>Ttc23</i>	chr7:67647409-67726576	0.2607	0.2801	0.1040	0.647893
<i>Rtn4ip1</i>	chr10:43901806-43947862	4.6748	4.4470	-0.0721	0.351527
<i>AW549877</i>	chr15:3982035-3995752	22.6882	22.9443	0.0162	0.863595
<i>Pfkfb3</i>	chr2:11471429-11502101	5.0069	5.0885	0.0233	0.793803
<i>Ubb</i>	chr11:62551170-62553213	78.5416	80.5211	0.0359	0.839323
<i>Uqcc2</i>	chr17:27122662-27133916	22.0811	20.6416	-0.0973	0.688810
<i>Asb8</i>	chr15:98134636-98165625	10.4522	9.9710	-0.0680	0.553346
<i>Mcoln1</i>	chr8:3500456-3515232	10.2213	10.3862	0.0231	0.785936
<i>Wwc2</i>	chr8:47826082-47990543	0.1535	0.1317	-0.2216	0.619254
<i>Fam111a</i>	chr19:12545739-12589768	52.4452	53.3928	0.0258	0.834733
<i>Scfd1</i>	chr12:51377579-51450096	40.0992	38.2589	-0.0678	0.605068
<i>Ppan</i>	chr9:20888174-20892178	32.9516	33.4221	0.0205	0.843347
<i>AB124611</i>	chr9:21526175-21545333	73.5834	70.4064	-0.0637	0.569434
<i>Hyal1</i>	chr9:107576926-107581710	0.9633	1.0123	0.0716	0.686591
<i>Tbcc</i>	chr17:46890620-46892463	9.6674	9.1687	-0.0764	0.560926
<i>Lmbrd1</i>	chr1:24678543-24766299	8.5516	8.6773	0.0210	0.796897
<i>Hsd17b4</i>	chr18:50128200-50196269	20.7602	21.0264	0.0184	0.812359
<i>Ccdc62</i>	chr5:123927417-123969895	1.7333	1.8181	0.0689	0.788282
<i>Capn5</i>	chr7:98121558-98178274	0.2190	0.2438	0.1552	0.768734
<i>Serinc1</i>	chr10:57515773-57532530	33.3626	33.5955	0.0100	0.863899
<i>mmu-mir-3061</i>	chr11:52124529-52127779	7.6222	7.2908	-0.0641	0.413388
<i>2810008D09Rik</i>	chr11:117076789-117078955	27.7096	26.4577	-0.0667	0.585948
<i>Smek1</i>	chr12:101039408-101083702	62.9138	60.8845	-0.0473	0.355149

<i>Hiatl1</i>	chr13:65064662-65112982	19.9435	20.1884	0.0176	0.822151
<i>C1galt1</i>	chr6:7844841-7872047	33.2830	32.0181	-0.0559	0.508399
<i>Capza2</i>	chr6:17636233-17666972	37.4833	37.9344	0.0173	0.842262
<i>Ceacam16</i>	chr7:19852096-19861299	0.7785	0.8655	0.1529	0.737692
<i>Eid2b</i>	chr7:28277705-28280129	1.8170	1.6752	-0.1172	0.613727
<i>Wdr83os</i>	chr8:85080739-85082339	16.1741	16.4872	0.0277	0.710027
<i>Qars</i>	chr9:108508004-108515941	24.9058	25.1834	0.0160	0.841550
<i>Atp7a</i>	chrX:106027275-106124926	4.1982	4.0034	-0.0686	0.608494
<i>1110038F14Rik</i>	chr15:76948538-76950729	27.3392	27.9217	0.0304	0.794475
<i>Tab1</i>	chr15:80133153-80161701	13.8192	13.1891	-0.0673	0.563123
<i>Tbc1d22a</i>	chr15:86214458-86498503	14.7546	14.2156	-0.0537	0.410585
<i>Letmd1</i>	chr15:100469033-100479252	23.7136	22.8817	-0.0515	0.327523
<i>Zswim8</i>	chr14:20707551-20723618	13.6059	13.0056	-0.0651	0.613655
<i>Ddx39b</i>	chr17:35241745-35253707	85.5484	82.9184	-0.0450	0.260084
<i>Supt3</i>	chr17:44777151-45119290	1.6163	1.5184	-0.0901	0.355456
<i>Dlg1</i>	chr16:31663442-31873356	13.9303	14.0035	0.0076	0.793035
<i>Pcx</i>	chr19:4510471-4621752	0.8464	0.8901	0.0726	0.598683
<i>Rpl13a-ps1</i>	chr19:50030123-50030735	3.8287	4.1140	0.1037	0.724095
<i>Tyw5</i>	chr1:57388236-57407101	8.4578	8.0467	-0.0719	0.542900
<i>Rnmt</i>	chr18:68300354-68324852	14.0490	13.4949	-0.0581	0.534855
<i>Gm13179</i>	chr2:4586023-4587287	0.9002	0.7667	-0.2316	0.642664
<i>Gm13402</i>	chr2:29349841-29396459	11.7685	12.3101	0.0649	0.678224
<i>Ppp4r1-ps</i>	chr2:173579319-173659640	1.5808	1.4919	-0.0835	0.664447
<i>Rrnad1</i>	chr3:87922600-87930717	21.6442	20.9524	-0.0469	0.302802
<i>Lamtor2</i>	chr3:88549818-88553074	13.4654	14.1255	0.0690	0.808686
<i>Arhgef39</i>	chr4:43496411-43499695	1.0678	1.1306	0.0824	0.684494
<i>Rbm41</i>	chrX:139889510-139998595	6.3993	6.4910	0.0205	0.789791
<i>Med9</i>	chr11:59948205-59962205	5.2693	4.9529	-0.0893	0.624653
<i>Arl16</i>	chr11:120464865-120467607	5.5246	5.2540	-0.0724	0.505165
<i>Srp72</i>	chr5:76974682-76999937	26.0205	25.1445	-0.0494	0.358791
<i>Prkrip1</i>	chr5:136178126-136198963	5.8289	5.9377	0.0267	0.801763
<i>Ino80b</i>	chr6:83121764-83125431	16.0626	16.5263	0.0411	0.812206
<i>Fam60a</i>	chr6:148921034-148946467	1.8446	1.9032	0.0451	0.588774
<i>Fah</i>	chr7:84585158-84606722	1.2521	1.1507	-0.1219	0.363953
<i>Cyp4f41-ps</i>	chr17:32950960-32965700	0.3432	0.3939	0.1987	0.638584
<i>Crybg3</i>	chr16:59490774-59555752	4.6859	4.7612	0.0230	0.767614
<i>Pkn3</i>	chr2:30077683-30091022	0.5495	0.4927	-0.1576	0.673005
<i>Gm16069</i>	chr3:89180754-89182293	24.4389	25.0728	0.0369	0.766402
<i>Coa7</i>	chr4:108328139-108341544	4.9426	5.0263	0.0242	0.733922
<i>Gm13032</i>	chr4:140810992-140817511	0.3538	0.4077	0.2048	0.757924
<i>Tnrc6c</i>	chr11:117654288-117763439	21.5930	20.7405	-0.0581	0.609084
<i>Trappc4</i>	chr9:44403760-44407548	30.5922	29.1266	-0.0708	0.579490
<i>Tnfrsf1b</i>	chr4:145213462-145246870	18.3057	17.3883	-0.0742	0.671696
<i>Setd8</i>	chr5:124439929-124462308	10.2697	10.4296	0.0223	0.809779
<i>Aig1</i>	chr10:13647053-13868980	1.3686	1.4262	0.0594	0.818709
<i>Tnfaip3</i>	chr10:19000909-19015657	14.5615	14.0192	-0.0548	0.558598
<i>Slc2a12</i>	chr10:22645010-22704285	2.3428	2.4210	0.0474	0.790056
<i>Rps12</i>	chr10:23785210-23787195	23.2589	21.9492	-0.0836	0.596259
<i>Ptprk</i>	chr10:28074819-28597397	0.5701	0.5277	-0.1114	0.559539
<i>Traf3ip2</i>	chr10:39612933-39655307	18.1447	18.3995	0.0201	0.842707
<i>Gm26824</i>	chr10:39864858-39866332	2.2963	2.1127	-0.1202	0.529084
<i>Cdc40</i>	chr10:40831625-40883143	12.5126	12.6124	0.0115	0.711233
<i>Zfp365</i>	chr10:67886102-67912662	2.2583	2.1249	-0.0878	0.620386
<i>Sumo3</i>	chr10:77606096-77641543	19.3014	19.5711	0.0200	0.843450
<i>Pdxk</i>	chr10:78436743-78464975	2.9996	2.8520	-0.0728	0.608576
<i>Cdc34</i>	chr10:79682194-79688394	31.8278	32.5409	0.0320	0.844689
<i>Ndufs7</i>	chr10:80249120-80256794	23.9481	22.8679	-0.0666	0.597991
<i>Gamt</i>	chr10:80258150-80261012	0.6187	0.5361	-0.2069	0.643924
<i>Mrpl54</i>	chr10:81264712-81266934	40.3269	41.3562	0.0364	0.829056
<i>Ankrd24</i>	chr10:81628539-81647610	0.7457	0.7019	-0.0873	0.417365
<i>Apaf1</i>	chr10:90989310-91082770	8.1220	7.8036	-0.0577	0.601665
<i>Mdm1</i>	chr10:118141786-118168997	3.8903	3.6614	-0.0875	0.643222
<i>Stat6</i>	chr10:127642985-127660957	63.8093	64.3553	0.0123	0.870763
<i>H2afv</i>	chr11:6427228-6444443	24.5341	23.3716	-0.0700	0.631769
<i>Sertad2</i>	chr11:20543252-20653021	7.4851	7.5909	0.0203	0.822416
<i>Pex13</i>	chr11:23646478-23665959	5.4361	5.5562	0.0315	0.785688
<i>Rps27a</i>	chr11:29545845-29548109	13.9694	14.1907	0.0227	0.823294
<i>Gm12568</i>	chr11:46243570-46244194	1.6838	1.4896	-0.1768	0.619147
<i>Gm24157</i>	chr11:52099057-52099153	84.3902	80.0068	-0.0770	0.306915
<i>Gm22884</i>	chr11:55482693-55482833	12.6957	13.6436	0.1039	0.704713
<i>Snord49a</i>	chr11:62603449-62603521	39.2873	35.4639	-0.1477	0.657041

<i>Fbxw10</i>	chr11:62847068-62877465	0.9424	0.8666	-0.1209	0.671567
<i>Elac2</i>	chr11:64979037-65002069	17.4698	17.6287	0.0131	0.848462
<i>Myh10</i>	chr11:68691558-68816632	0.3517	0.3737	0.0875	0.808441
<i>Dhx33</i>	chr11:70984090-71004437	8.2860	8.3446	0.0102	0.833085
<i>Gosr1</i>	chr11:76726601-76763579	30.5393	29.4166	-0.0540	0.520573
<i>Fam222b</i>	chr11:78094659-78156700	2.9786	3.0771	0.0469	0.768752
<i>Nek8</i>	chr11:78166105-78176675	2.9264	2.7926	-0.0675	0.385201
<i>Unc119</i>	chr11:78343481-78349164	4.0280	4.1256	0.0345	0.582810
<i>Z610027K06Rik</i>	chr11:85791660-85832223	0.6653	0.6002	-0.1487	0.593581
<i>Slc35b1</i>	chr11:95384691-95391776	14.1612	13.5085	-0.0681	0.570920
<i>Pip4k2b</i>	chr11:97715156-97744704	21.2669	21.4367	0.0115	0.867636
<i>Cwc25</i>	chr11:97745480-97766556	6.6402	6.7458	0.0228	0.824103
<i>Gm12352</i>	chr11:98438036-98439046	14.6264	15.2401	0.0593	0.820145
<i>Slc9a3r1</i>	chr11:115163340-115181181	73.5380	70.7421	-0.0559	0.547514
<i>Tha1</i>	chr11:117867951-117873481	12.0162	11.4921	-0.0643	0.578708
<i>Sgsh</i>	chr11:119343424-119355536	18.2707	17.5391	-0.0590	0.600842
<i>Rdh14</i>	chr12:10390779-10395562	19.2896	18.4982	-0.0604	0.491144
<i>Zfp277</i>	chr12:40315045-40445790	14.2983	13.6946	-0.0622	0.567029
<i>Ralgapa1</i>	chr12:55602928-55821167	20.0077	20.2503	0.0174	0.871417
<i>Prpf39</i>	chr12:65036332-65063386	48.9871	47.3580	-0.0488	0.450279
<i>Rps29</i>	chr12:69157721-69159186	5.8486	6.1703	0.0772	0.741128
<i>Frmf6</i>	chr12:70825513-70902232	3.5456	3.3842	-0.0672	0.557760
<i>Srsf5</i>	chr12:80945503-80950507	170.8140	165.7669	-0.0433	0.274540
<i>9330161L09Rik</i>	chr12:103406821-103407820	3.0979	2.8417	-0.1246	0.523453
<i>Degs2</i>	chr12:108686791-108702306	48.7948	47.2244	-0.0472	0.415396
<i>Bag5</i>	chr12:111709487-111713257	13.5331	13.7736	0.0254	0.810766
<i>Gdi2</i>	chr13:3538074-3566261	115.4535	116.7120	0.0156	0.858033
<i>Ggps1</i>	chr13:14052448-14063401	36.9135	35.4717	-0.0575	0.547677
<i>Elmo1</i>	chr13:20090506-20608353	18.9808	19.2691	0.0218	0.875049
<i>Pgbd1</i>	chr13:21421274-21441058	0.5616	0.5086	-0.1430	0.673225
<i>Nqa2</i>	chr13:33964658-33988465	3.7123	3.8247	0.0430	0.804481
<i>Rnf44</i>	chr13:54679398-54693907	10.2024	10.4318	0.0321	0.856713
<i>Ddx46</i>	chr13:55635026-55681256	42.2351	42.4838	0.0085	0.878751
<i>Golm1</i>	chr13:59634995-59675784	47.8729	48.4017	0.0158	0.885482
<i>Zfp738</i>	chr13:67667436-67687071	7.1533	6.8471	-0.0631	0.588339
<i>Z210408I21Rik</i>	chr13:77135539-77613291	0.3377	0.3676	0.1226	0.742715
<i>Ptcd2</i>	chr13:99319648-99344678	27.2692	26.1123	-0.0625	0.560861
<i>Dhx29</i>	chr13:112927729-112969431	13.5725	13.7878	0.0227	0.834600
<i>Lrrd1</i>	chr5:3845172-3866596	0.3770	0.4122	0.1289	0.700466
<i>Insig1</i>	chr5:28071362-28078662	16.0125	15.2200	-0.0732	0.657221
<i>Haus3</i>	chr5:34153920-34169445	28.6322	29.1890	0.0278	0.818294
<i>Mrpl1</i>	chr5:96209492-96266727	7.3849	7.0438	-0.0682	0.601778
<i>Ddx51</i>	chr5:110653450-110660496	5.5954	5.3468	-0.0656	0.548836
<i>Rpl37rt</i>	chr5:115102921-115110268	7.3147	6.8601	-0.0926	0.530558
<i>Rplp0</i>	chr5:115559466-115563727	676.2746	638.4907	-0.0829	0.722250
<i>Fbxw8</i>	chr5:118064980-118155458	3.7269	3.5017	-0.0899	0.690500
<i>Fam109a</i>	chr5:121849027-121854599	2.1621	2.2473	0.0558	0.667044
<i>Clip1</i>	chr5:123577794-123684618	21.4241	20.7354	-0.0471	0.425259
<i>Alkbh4</i>	chr5:136136145-136141615	27.4417	27.7432	0.0158	0.822811
<i>NA</i>	chr5:143548705-143564525	6.8508	6.5272	-0.0698	0.558396
<i>Ankrd61</i>	chr5:143890740-143897685	3.6961	3.8185	0.0470	0.768097
<i>Rnf6</i>	chr5:146209191-146221555	26.9393	26.0413	-0.0489	0.347741
<i>Gm16039</i>	chr6:8259287-8597480	4.4822	4.2826	-0.0657	0.653157
<i>A430035B10Rik</i>	chr6:8488794-8510430	1.2461	1.1685	-0.0927	0.573449
<i>Lsm8</i>	chr6:18848578-18855751	14.0348	13.4651	-0.0598	0.566663
<i>Hilpda</i>	chr6:29272487-29275446	8.6249	8.8678	0.0401	0.787808
<i>Copg2</i>	chr6:30747553-30896794	10.7124	10.2416	-0.0648	0.577898
<i>Fth-ps2</i>	chr6:39653449-39653965	2.0292	2.2433	0.1447	0.707348
<i>Trbv19</i>	chr6:41178588-41179048	56.6012	53.8987	-0.0706	0.631134
<i>Trbv21</i>	chr6:41202754-41203044	3.8698	4.2353	0.1302	0.649268
<i>Znrf2</i>	chr6:54816915-54893500	85.1226	85.5538	0.0073	0.859120
<i>Ptcd3</i>	chr6:71880647-71908762	36.6426	37.1165	0.0185	0.861761
<i>Sec61a1</i>	chr6:88503600-88518905	32.4343	31.3898	-0.0472	0.411666
<i>Brk1</i>	chr6:113604771-113616948	86.3378	82.4257	-0.0669	0.635635
<i>Rasgef1a</i>	chr6:118066384-118091546	0.7165	0.7611	0.0871	0.717568
<i>Gm26951</i>	chr6:128313336-128313997	1.1632	1.3220	0.1846	0.687481
<i>Rpl18-ps2</i>	chr6:128313337-128313960	1.1352	1.2901	0.1846	0.687481
<i>Atf7ip</i>	chr6:136518850-136607377	36.2455	34.8105	-0.0583	0.610354
<i>Ldhd</i>	chr6:142490248-142507957	2.6367	2.4284	-0.1187	0.660959
<i>Mettl20</i>	chr6:149139848-149151171	15.9631	16.2441	0.0252	0.841087
<i>Shkbp1</i>	chr7:27342132-27356019	7.5331	7.6715	0.0263	0.832472

<i>Pak4</i>	chr7:28558818-28598185	2.3798	2.2257	-0.0966	0.693492
<i>Mrps12</i>	chr7:28739640-28741820	18.8143	17.8037	-0.0797	0.648324
<i>Zfp420</i>	chr7:29859978-29877292	3.9515	4.0223	0.0256	0.796673
<i>Gm21982</i>	chr7:30641000-30664937	22.1713	21.1892	-0.0654	0.612105
<i>Gm26935</i>	chr7:30737652-30748437	2.8337	2.5365	-0.1598	0.603888
<i>Usf2</i>	chr7:30945251-30956803	21.5476	21.8521	0.0202	0.834876
<i>Gm6096</i>	chr7:34251037-34251493	1.8724	2.0965	0.1631	0.654028
<i>Lsm14a</i>	chr7:34344645-34389540	31.7026	31.9260	0.0101	0.844944
<i>Ankrd27</i>	chr7:35586246-35639237	13.8726	13.3698	-0.0533	0.467930
<i>Scaf1</i>	chr7:45002947-45016363	6.0157	6.1317	0.0275	0.857133
<i>Gm22478</i>	chr7:45388530-45388684	10.4308	9.4045	-0.1494	0.506412
<i>Tsg101</i>	chr7:46888948-46919969	8.6230	8.2404	-0.0655	0.522878
<i>Fancf</i>	chr7:51860576-51862267	6.5470	6.2183	-0.0743	0.569287
<i>Gdpgp1</i>	chr7:80232866-80241006	7.3419	7.4471	0.0205	0.804236
<i>Hddc3</i>	chr7:80343136-80346097	3.3210	3.0382	-0.1284	0.533284
<i>Zfand6</i>	chr7:84615053-84679361	65.2288	62.5744	-0.0599	0.575316
<i>Tmem135</i>	chr7:89139722-89404222	7.4198	7.4859	0.0128	0.819771
<i>Gm15506</i>	chr7:98682335-98702928	0.9861	0.8562	-0.2037	0.597903
<i>Gdpd5</i>	chr7:99381548-99460983	1.5121	1.4189	-0.0918	0.538159
<i>Fam168a</i>	chr7:100706650-100841628	4.2402	4.3233	0.0280	0.840883
<i>Ampd3</i>	chr7:110768205-110812405	1.5710	1.6140	0.0390	0.759240
<i>Acsn3</i>	chr7:119760922-119787513	1.5796	1.6305	0.0458	0.673136
<i>Gdpd3</i>	chr7:126766413-126775643	1.8839	1.6999	-0.1482	0.529899
<i>Sez6l2</i>	chr7:126950562-126970606	0.6106	0.6511	0.0925	0.682584
<i>Zfp689</i>	chr7:127443751-127449158	7.4783	7.6797	0.0384	0.807170
<i>Eri1</i>	chr8:35465264-35495533	25.0956	24.2648	-0.0486	0.426704
<i>Lzts1</i>	chr8:69135502-69140953	0.7932	0.6979	-0.1846	0.674776
<i>Ccnb2-ps</i>	chr8:71916555-71918851	3.8465	3.6347	-0.0817	0.458664
<i>Abce1</i>	chr8:79683441-79711740	84.1409	85.4910	0.0230	0.857120
<i>Smarca5</i>	chr8:80698506-80739497	15.8319	15.2806	-0.0511	0.432213
<i>Rln3</i>	chr8:84042928-84045000	2.3053	2.4850	0.1083	0.719219
<i>D8Erd738e</i>	chr8:84246236-84249761	93.7832	89.3717	-0.0695	0.634759
<i>Mast1</i>	chr8:84911902-84937359	0.3983	0.4268	0.0995	0.732464
<i>Phlpp2</i>	chr8:109868541-109944671	1.1310	1.1751	0.0552	0.831688
<i>Tcf25</i>	chr8:123373823-123404173	95.3849	95.7533	0.0056	0.917006
<i>Ccsap</i>	chr8:123840830-123860209	5.5194	5.6351	0.0299	0.797306
<i>Arv1</i>	chr8:124722138-124734123	13.2076	12.5810	-0.0701	0.455476
<i>Dync2h1</i>	chr9:6928502-7184446	2.8924	2.7640	-0.0655	0.668288
<i>Gm24299</i>	chr9:15314073-15314144	26.8897	23.8140	-0.1752	0.638341
<i>Cdc37</i>	chr9:21138540-21149906	60.4435	61.6522	0.0286	0.859489
<i>Gm16754</i>	chr9:21225370-21232639	14.3007	14.5459	0.0245	0.815279
<i>Kri1</i>	chr9:21273457-21287971	58.5740	56.4320	-0.0537	0.548127
<i>Cnn1</i>	chr9:22099280-22109630	0.3335	0.2879	-0.2119	0.589698
<i>Pigyl</i>	chr9:22156845-22158358	5.9250	5.4435	-0.1223	0.688730
<i>Herpud2</i>	chr9:25108129-25151781	15.7130	15.9595	0.0224	0.837489
<i>Prdm10</i>	chr9:31280537-31378543	3.8251	3.6580	-0.0644	0.527815
<i>Amica1</i>	chr9:45079182-45108530	36.4916	36.9046	0.0162	0.861740
<i>NA</i>	chr9:45954100-45955998	9.0452	9.2898	0.0385	0.829517
<i>Pjif1</i>	chr9:65587159-65595967	0.5016	0.5593	0.1570	0.808984
<i>Bnip2</i>	chr9:69989465-70008317	34.3754	33.1361	-0.0530	0.464341
<i>Slc25a36</i>	chr9:97075596-97111157	18.8147	19.0375	0.0170	0.856711
<i>Uba5</i>	chr9:104046598-104063134	17.3815	16.6773	-0.0597	0.527861
<i>Atp2c1</i>	chr9:105403538-105521257	15.6435	15.7532	0.0101	0.846890
<i>Gm17041</i>	chr9:107300379-107301838	3.7025	3.3595	-0.1403	0.588494
<i>5830454E08Rik</i>	chr9:120577345-120578072	5.3850	5.0126	-0.1034	0.377905
<i>Sacm1l</i>	chr9:123529881-123592598	31.2182	30.1206	-0.0516	0.494283
<i>Wdr45</i>	chrX:7721972-7728201	12.7993	12.9633	0.0184	0.845226
<i>Hdac6</i>	chrX:7930119-7947889	2.6181	2.6731	0.0300	0.800302
<i>Gm14493</i>	chrX:10717472-10718710	8.4610	8.7792	0.0533	0.574714
<i>Rpl3-ps1</i>	chrX:13202545-13203838	0.8869	0.7797	-0.1858	0.601265
<i>Uba1</i>	chrX:20658325-20683179	81.2734	81.5474	0.0049	0.891189
<i>Akap17b</i>	chrX:36608313-36645395	2.3360	2.2187	-0.0743	0.594649
<i>Ddx26b</i>	chrX:56454856-56507843	11.4584	11.0261	-0.0555	0.549569
<i>Pdzd4</i>	chrX:73793358-73824969	1.1547	1.0708	-0.1089	0.675447
<i>Hcfc1</i>	chrX:73942791-73966357	17.5474	17.8848	0.0275	0.860804
<i>Gm24718</i>	chrX:96150836-96150972	15.1641	16.6659	0.1362	0.805069
<i>Gm6472</i>	chrX:152909503-152910155	41.6959	39.1590	-0.0906	0.714360
<i>Eif1ax</i>	chrX:159372177-159389928	16.9850	16.2492	-0.0639	0.617522
<i>Ly6d</i>	chr15:74762055-74763567	1.0615	1.1919	0.1671	0.617236
<i>Dgat1</i>	chr15:76502014-76511951	7.7085	7.3368	-0.0713	0.654370
<i>Kdelr3</i>	chr15:79516407-79527739	2.1377	1.9503	-0.1324	0.698287

<i>Rrp7a</i>	chr15:83113432-83122801	11.7479	11.8718	0.0151	0.859165
<i>Ncaph2</i>	chr15:89355718-89372826	34.5402	33.4005	-0.0484	0.401122
<i>Ano6</i>	chr15:95790842-95975464	19.1289	19.3001	0.0129	0.877378
<i>Gm25397</i>	chr15:96404857-96404949	17.6517	19.0520	0.1101	0.688690
<i>Slc4a8</i>	chr15:100761746-100823968	0.5055	0.4736	-0.0941	0.594693
<i>Acvrl1</i>	chr15:101128521-101145336	2.9892	3.0777	0.0421	0.824429
<i>Tarbp2</i>	chr15:102518191-102523676	4.9003	4.9812	0.0236	0.729133
<i>Fam149b</i>	chr14:20348161-20383489	24.9858	25.2375	0.0145	0.873214
<i>Dnajc9</i>	chr14:20384637-20388910	76.1644	77.0731	0.0171	0.843765
<i>Ppp3cb</i>	chr14:20499363-20546573	21.5327	20.8369	-0.0474	0.403329
<i>Nek4</i>	chr14:30951485-30987439	1.2492	1.3124	0.0712	0.778487
<i>Ercc6</i>	chr14:32513520-32580989	16.0603	15.5422	-0.0473	0.444096
<i>Gm17173</i>	chr14:44972267-45006900	1.4366	1.3079	-0.1354	0.692299
<i>Tmem253</i>	chr14:52016864-52019787	1.9123	1.7399	-0.1363	0.643962
<i>Trav19</i>	chr14:53845233-53845826	7.3742	6.7904	-0.1190	0.572176
<i>Ppp1r3e</i>	chr14:54872668-54877550	1.1779	1.2461	0.0811	0.712828
<i>Tssk4</i>	chr14:55650181-55652539	2.0597	1.9112	-0.1079	0.497778
<i>Ggact</i>	chr14:122816222-122913757	24.6928	25.0423	0.0203	0.826845
<i>Mpc1</i>	chr17:8282903-8297661	3.8878	3.6862	-0.0768	0.303626
<i>Chd1</i>	chr17:15704966-15772610	35.3170	35.6066	0.0118	0.862810
<i>Zfp97</i>	chr17:17121414-17146831	2.8513	2.6756	-0.0917	0.622708
<i>Pkmyt1</i>	chr17:23726335-23736729	10.0437	10.3359	0.0414	0.834589
<i>Ube2i</i>	chr17:25261915-25274622	30.2074	30.3442	0.0065	0.903377
<i>Tmem8</i>	chr17:26113315-26123254	5.0754	5.2015	0.0354	0.814955
<i>Kifc5b</i>	chr17:26917090-26932579	0.8139	0.8703	0.0967	0.745670
<i>Def6</i>	chr17:28207777-28228608	73.5222	74.5423	0.0199	0.856676
<i>Gm23887</i>	chr17:28989976-28990148	9.5684	8.5199	-0.1675	0.554876
<i>Hnrnpm</i>	chr17:33646232-33686860	58.1464	59.1206	0.0240	0.844909
<i>H2-DMa</i>	chr17:34135181-34139101	26.6373	27.2705	0.0339	0.826734
<i>H2-Q6</i>	chr17:35424849-35430055	140.1811	134.4061	-0.0607	0.636057
<i>Mut</i>	chr17:40934684-40961989	17.1589	17.3002	0.0118	0.833237
<i>Gm26785</i>	chr17:46273478-46280060	0.7308	0.7910	0.1141	0.739643
<i>Mrpl2</i>	chr17:46646228-46650139	22.7924	23.4114	0.0387	0.829235
<i>Pp2d1</i>	chr17:53507459-53539451	0.6871	0.7567	0.1392	0.729926
<i>Dpy30</i>	chr17:74299473-74323944	24.5758	25.1985	0.0361	0.812449
<i>Txndc11</i>	chr16:11074910-11134650	7.1569	6.8716	-0.0587	0.583711
<i>Marf1</i>	chr16:14109165-14159274	27.6313	26.6795	-0.0506	0.501604
<i>Arvcf</i>	chr16:18348181-18407076	0.5043	0.4584	-0.1375	0.699849
<i>1110054M08Rik</i>	chr16:24391611-24393588	4.1447	3.9022	-0.0870	0.206278
<i>Gm15743</i>	chr16:31427875-31429776	3.0817	3.2004	0.0545	0.790073
<i>Rpl35a</i>	chr16:33056452-33060189	88.7999	94.1610	0.0846	0.736079
<i>Abi3bp</i>	chr16:56477845-56690128	0.4636	0.4987	0.1052	0.774805
<i>Itsn1</i>	chr16:91729280-91920597	0.1801	0.1673	-0.1071	0.589528
<i>1700048M11Rik</i>	chr16:92308715-92312466	2.3246	2.5305	0.1224	0.654548
<i>Hlcs</i>	chr16:94129194-94313563	7.5816	7.7296	0.0279	0.854394
<i>Syvn1</i>	chr19:6046575-6053712	6.0607	5.8305	-0.0559	0.360423
<i>Nxf1</i>	chr19:8757102-8770909	98.4525	95.4397	-0.0448	0.252342
<i>Ptar1</i>	chr19:23687399-23721129	14.1507	13.5657	-0.0609	0.476080
<i>Ermp1</i>	chr19:29608213-29648415	9.1998	8.8636	-0.0537	0.525115
<i>Frat2</i>	chr19:41845977-41848132	10.1980	9.5703	-0.0917	0.698590
<i>Pyroxd2</i>	chr19:42725857-42752775	0.4364	0.3867	-0.1745	0.669202
<i>Trim8</i>	chr19:46501647-46516444	19.7343	18.9021	-0.0622	0.616917
<i>Imp4</i>	chr1:34439850-34445736	25.8096	26.2583	0.0249	0.851796
<i>Ikzf2</i>	chr1:69531213-69685960	8.6526	8.1858	-0.0800	0.720382
<i>Zfp142</i>	chr1:74565126-74588246	4.1179	3.9619	-0.0557	0.559674
<i>Kcnj13</i>	chr1:87386362-87394729	3.1965	2.9492	-0.1162	0.667120
<i>Mroh2a</i>	chr1:88226985-88262289	1.1846	1.1145	-0.0880	0.627881
<i>9230116N13Rik</i>	chr1:136411915-136415519	2.1179	1.9603	-0.1115	0.600859
<i>Dennd1b</i>	chr1:138963435-139176043	15.9106	15.3139	-0.0551	0.581616
<i>Stx6</i>	chr1:155158702-155203517	29.5583	28.4609	-0.0546	0.498372
<i>Cenpl</i>	chr1:161070766-161086724	1.3270	1.3756	0.0518	0.647044
<i>Mettl18</i>	chr1:163994888-163997243	10.9477	11.1813	0.0305	0.797983
<i>Rcsd1</i>	chr1:165648944-165708094	78.6908	76.1817	-0.0467	0.473009
<i>Gm15853</i>	chr1:166379838-166380493	3.4836	3.1461	-0.1470	0.590631
<i>Cd244</i>	chr1:171559192-171585318	0.2611	0.2920	0.1614	0.769659
<i>Ncstn</i>	chr1:172066012-172082795	14.8561	15.1210	0.0255	0.865077
<i>Pex19</i>	chr1:172126754-172136493	11.6638	11.7550	0.0112	0.763458
<i>Gm16586</i>	chr1:178321107-178324171	103.4650	99.5974	-0.0550	0.575320
<i>Ccny</i>	chr18:9314043-9450150	39.1481	39.6466	0.0183	0.830214
<i>Usp14</i>	chr18:9995431-10045119	9.6351	9.7080	0.0109	0.821445
<i>Kctd1</i>	chr18:14968684-15151446	2.6995	2.7761	0.0404	0.786622

Ino80c	chr18:24104756-24121953	15.7212	15.1030	-0.0579	0.422484
Sil1	chr18:35266399-35498925	14.4716	14.8236	0.0347	0.835691
Slc35a4	chr18:36679578-36683858	12.3921	12.6052	0.0246	0.810647
Isoc1	chr18:58659481-58679570	23.2822	23.5422	0.0160	0.833705
Gm9949	chr18:62180125-62184405	1.5512	1.6892	0.1230	0.729106
B430212C06Rik	chr18:67321208-67344103	0.4836	0.4356	-0.1511	0.640019
Fam210a	chr18:68260186-68300333	9.5406	9.1794	-0.0557	0.572902
Mbd1	chr18:74268271-74282685	25.9780	25.0292	-0.0537	0.510046
Ier3jp1	chr18:76930016-76941605	19.6286	20.0873	0.0333	0.810330
Pias2	chr18:77065207-77155708	13.0455	13.1731	0.0140	0.799906
Gm13357	chr2:23019130-23019667	2.6891	2.3730	-0.1804	0.739363
Tubb4b	chr2:25222159-25224702	42.3383	42.9229	0.0198	0.843066
Ssna1	chr2:25271038-25272438	26.9525	27.5040	0.0292	0.821772
Gm23865	chr2:29931426-29931523	27.9293	25.7441	-0.1175	0.566739
Zer1	chr2:30097282-30124585	8.7738	8.4086	-0.0613	0.606613
Golga1	chr2:39016260-39065541	15.7656	15.2352	-0.0494	0.390259
Mbd5	chr2:48949509-49322284	2.6076	2.6622	0.0299	0.843413
Rbm43	chr2:51924447-51935163	21.0010	21.2618	0.0178	0.821998
Baz2b	chr2:59899362-60209839	6.2731	6.0539	-0.0513	0.531616
Timm10	chr2:84826996-84830213	18.3743	19.0110	0.0491	0.814639
Acp2	chr2:91202884-91214098	10.9153	10.5307	-0.0517	0.332514
Nop10	chr2:112261925-112263269	74.0327	76.1657	0.0410	0.835675
Eif2ak4	chr2:118388617-118475234	4.1610	4.0076	-0.0542	0.288122
Srp14	chr2:118475849-118479711	60.5059	61.7795	0.0301	0.850802
Tmem87a	chr2:120355311-120404113	23.4911	22.6899	-0.0501	0.429396
Zscan29	chr2:121158272-121171125	13.6387	13.1889	-0.0484	0.352840
Gm14009	chr2:128189986-128204634	1.5374	1.3479	-0.1898	0.635285
Prnp	chr2:131909927-131938429	0.3483	0.2939	-0.2451	0.651623
Tasp1	chr2:139833479-140066805	11.8433	11.3096	-0.0665	0.630449
Gm11743	chr2:144756328-144758582	0.6912	0.6115	-0.1767	0.595652
Cst3	chr2:148871721-148875692	24.7482	25.2093	0.0266	0.817627
Zfp120	chr2:150114405-150136708	14.7382	14.0445	-0.0696	0.634848
Phf20	chr2:156196465-156309952	7.0731	6.8155	-0.0535	0.469341
Neurl2	chr2:164830731-164833456	3.5726	3.2867	-0.1203	0.572732
Trp53rk	chr2:166792530-166799505	1.7992	1.8522	0.0418	0.731428
Rps21	chr2:180257376-180258445	189.0383	173.3116	-0.1253	0.637880
Nceh1	chr3:27182964-27284608	8.4471	8.5374	0.0153	0.841800
Fndc3b	chr3:27416161-27710439	0.9069	0.9379	0.0485	0.790554
Mccc1os	chr3:35999832-36025106	0.3676	0.3941	0.1003	0.719967
Med12l	chr3:59006977-59318410	0.4714	0.4901	0.0562	0.685470
Ccn1	chr3:65946150-65958249	66.0031	66.6228	0.0135	0.862813
A730011C13Rik	chr3:94994409-94997350	8.5673	8.7195	0.0254	0.807157
Cers2	chr3:95314791-95323588	38.8950	39.0807	0.0069	0.899563
Tars2	chr3:95739975-95754977	16.5880	16.6853	0.0084	0.873516
C920021L13Rik	chr3:95871521-95889093	0.4158	0.3663	-0.1830	0.565899
Hiat1	chr3:116631163-116681260	25.2509	24.3222	-0.0541	0.493026
Plag1	chr4:3900995-3938423	0.6523	0.6873	0.0754	0.802757
Ubxn2b	chr4:6191097-6221688	6.7759	6.8625	0.0183	0.795280
Gm10604	chr4:11979559-11981265	0.7156	0.7870	0.1372	0.771907
Gm11906	chr4:24966516-25271099	4.8973	4.5146	-0.1174	0.491210
Nfx1	chr4:40970905-41025993	25.6064	25.7081	0.0057	0.898907
Galt	chr4:41755227-41758695	12.1617	12.3548	0.0227	0.832496
Msmg	chr4:43583215-43584494	12.7788	12.0079	-0.0898	0.630120
Prpf4	chr4:62408796-62426990	11.9008	11.4669	-0.0536	0.408096
Tnfsf8	chr4:63831307-63861347	35.3442	35.6825	0.0137	0.858218
Alg6	chr4:99715663-99763460	1.1378	1.1748	0.0463	0.821889
Gm12786	chr4:107017934-107022499	1.5300	1.3469	-0.1839	0.634643
Gm12802	chr4:107126612-107136252	2.3014	2.4323	0.0798	0.730468
Magoh	chr4:107879754-107887424	67.8361	70.1430	0.0482	0.844414
Zyg11b	chr4:108229723-108301096	29.2839	28.2593	-0.0514	0.508813
Ccdc163	chr4:116708508-116751206	4.1803	3.9479	-0.0825	0.622929
Eif2b3	chr4:117019401-117087306	3.9476	3.8000	-0.0550	0.105146
Gm12898	chr4:119223173-119224815	5.4391	5.0483	-0.1076	0.367927
Ppcs	chr4:119418529-119422420	8.5731	8.7506	0.0296	0.745279
Adprhl2	chr4:126316046-126321703	15.6480	15.0343	-0.0577	0.467536
AU040320	chr4:126753543-126870070	10.6461	10.2229	-0.0585	0.611327
Ak2	chr4:128991957-129011529	35.1024	33.8090	-0.0542	0.484178
Snord99	chr4:132310690-132310764	28.9162	25.8481	-0.1618	0.687496
Slc9a1	chr4:133369705-133423702	3.9822	4.0954	0.0404	0.837464
Wnt4	chr4:137277488-137299726	0.2193	0.1913	-0.1969	0.633951
Sh2d5	chr4:138250402-138261332	0.2417	0.2727	0.1743	0.732112

<i>Prdm2</i>	chr4:143107390-143212995	12.7996	12.3109	-0.0562	0.610752
<i>Ubiad1</i>	chr4:148434494-148444771	4.5751	4.3477	-0.0736	0.490816
<i>Rpsa-ps12</i>	chr4:149142496-149143388	0.9988	0.8592	-0.2173	0.719245
<i>Isg15</i>	chr4:156199423-156200818	7.1870	7.5640	0.0738	0.832543
<i>Mir1931</i>	chr10:93162784-93162903	6.5525	7.3565	0.1670	0.726961
<i>Trav7-4</i>	chr14:53461098-53461736	1.6321	1.8394	0.1726	0.717270
<i>Lct</i>	chr1:128284755-128328318	0.1331	0.1491	0.1635	0.755306
<i>Gm26265</i>	chr8:95756949-95757082	9.8091	10.5800	0.1091	0.427136
<i>Bet1l</i>	chr7:140853383-140856383	20.5211	19.7476	-0.0554	0.340941
<i>Fam76a</i>	chr4:132899212-132922558	10.1525	10.2681	0.0163	0.802622
<i>Rpsa-ps4</i>	chr11:33038815-33039703	0.8762	0.9707	0.1478	0.557211
<i>Lig3</i>	chr11:82781107-82804274	12.2280	12.3614	0.0157	0.870345
<i>Mpp5</i>	chr12:78748946-78840711	7.9262	7.6267	-0.0556	0.533769
<i>Ptgr2</i>	chr12:84285231-84315832	7.6704	7.7541	0.0157	0.829316
<i>Wdr37</i>	chr13:8802967-8871909	13.9975	13.5501	-0.0469	0.446483
<i>Btf3</i>	chr13:98309895-98317006	64.8755	66.4422	0.0344	0.844622
<i>Arl15</i>	chr13:113794504-114157461	4.3670	4.4719	0.0343	0.787676
<i>Tpst2</i>	chr5:112276690-112315361	52.4784	52.8750	0.0109	0.897628
<i>Sart3</i>	chr5:113742445-113771649	18.7183	18.0664	-0.0511	0.503381
<i>Heatr2</i>	chr5:139150222-139186510	13.0881	12.5302	-0.0628	0.610020
<i>Gm21983</i>	chr7:27168429-27181086	18.7167	19.0005	0.0217	0.850757
<i>Uvrag</i>	chr7:98886742-99141144	22.1972	21.4031	-0.0526	0.496416
<i>Lpar2</i>	chr8:69822428-69831102	0.8670	0.9019	0.0570	0.757955
<i>Cope</i>	chr8:70302517-70312993	22.7482	21.8185	-0.0602	0.606355
<i>Nfix</i>	chr8:84699875-84800344	1.1706	1.1062	-0.0817	0.612405
<i>Fam118b</i>	chr9:35216964-35267805	4.5856	4.6703	0.0264	0.840247
<i>Cbl</i>	chr9:44149261-44234046	22.0450	22.5809	0.0347	0.873673
<i>Cd3g</i>	chr9:44969571-44980431	612.6831	586.2291	-0.0637	0.657493
<i>Leo1</i>	chr9:75441523-75466432	14.3776	14.5747	0.0196	0.847765
<i>Mon1a</i>	chr9:107888128-107903125	10.3206	9.8449	-0.0681	0.622606
<i>Ubp1</i>	chr9:113930933-113977199	44.4295	44.9222	0.0159	0.876971
<i>Eny2</i>	chr15:44428110-44437685	13.9614	13.3398	-0.0657	0.614486
<i>Puf60</i>	chr15:76070183-76080946	85.5286	82.4398	-0.0531	0.531538
<i>Scx</i>	chr15:76457437-76459468	0.9351	0.8204	-0.1889	0.636593
<i>Gm3636</i>	chr14:6735684-6875155	0.5272	0.4682	-0.1713	0.184634
<i>Gm6904</i>	chr14:59244440-59260216	4.5525	4.2225	-0.1086	0.589959
<i>Mir3547</i>	chr17:25245540-25245650	12.0258	13.0546	0.1184	0.743631
<i>Slc25a23</i>	chr17:57043710-57059863	1.0264	0.9649	-0.0891	0.593980
<i>Msh2</i>	chr17:87672329-87723713	22.6961	21.9260	-0.0498	0.483504
<i>Trap1</i>	chr16:4039970-4077827	59.0669	59.2262	0.0039	0.886071
<i>Tmem186</i>	chr16:8633883-8637712	22.4868	21.7364	-0.0490	0.297871
<i>Heg1</i>	chr16:33684465-33771576	4.6726	4.4801	-0.0607	0.640940
<i>Gm10785</i>	chr16:91688910-91715642	3.5396	3.3376	-0.0848	0.475838
<i>Taf4b</i>	chr18:14783244-14900359	12.5610	12.6502	0.0102	0.844092
<i>Gm5239</i>	chr18:35536582-35536951	22.3630	20.6881	-0.1123	0.722723
<i>Tmem127</i>	chr2:127247907-127261107	29.6486	29.8067	0.0077	0.866141
<i>Fxr1</i>	chr3:34020078-34069342	56.1916	54.1181	-0.0542	0.572251
<i>Ccnc</i>	chr4:21727700-21759922	10.2808	10.4882	0.0288	0.848432
<i>Reck</i>	chr4:43875529-43944806	3.8611	3.9249	0.0236	0.805213
<i>Mfsd2a</i>	chr4:122946849-122961188	1.5335	1.3976	-0.1340	0.713469
<i>Tprgl</i>	chr4:154157484-154160666	66.7191	64.3903	-0.0513	0.522526
<i>Pdk2</i>	chr11:95026257-95041354	0.9195	0.9766	0.0869	0.746815
<i>Fkbp3</i>	chr12:65062435-65073944	143.1207	146.0567	0.0293	0.854661
<i>Rdh11</i>	chr12:79174336-79192293	12.0019	12.1584	0.0187	0.836172
<i>Parg</i>	chr14:32201948-32297550	27.3979	26.3969	-0.0537	0.585105
<i>Nckap1</i>	chr2:80500511-80581380	4.6991	4.4958	-0.0638	0.577768
<i>Ube2z</i>	chr11:96047431-96065388	21.1001	20.3568	-0.0517	0.559854
<i>Alg10b</i>	chr15:90224310-90230554	13.5344	13.6901	0.0165	0.844158
<i>Cyp20a1</i>	chr1:60343322-60388060	6.9200	6.5817	-0.0723	0.597409
<i>Gm15675</i>	chr1:130429780-130437191	8.9794	9.2295	0.0396	0.844889
<i>Ctu1</i>	chr7:43672015-43678298	6.3094	6.4390	0.0293	0.816398
<i>Farsb</i>	chr1:78417957-78488859	40.5306	40.9840	0.0161	0.856439
<i>Shf</i>	chr2:122348891-122369162	2.7438	2.5569	-0.1018	0.685662
<i>Rab3a</i>	chr8:70754678-70758677	3.3664	3.1770	-0.0836	0.561955
<i>4930539E08Rik</i>	chr17:28896396-28915324	0.7919	0.7328	-0.1118	0.606041
<i>Zfp867</i>	chr11:59461196-59472474	4.0725	4.1620	0.0314	0.811131
<i>Klf7</i>	chr7:79698098-79714186	1.9104	1.7763	-0.1050	0.734876
<i>Mrps27</i>	chr13:99344785-99415561	8.0082	7.6426	-0.0674	0.486977
<i>Eif2b4</i>	chr5:31187557-31193430	14.9483	14.4267	-0.0512	0.312427
<i>Gm4604</i>	chr6:108140119-108140509	11.9155	12.5182	0.0712	0.773714
<i>Hoxb4</i>	chr11:96316683-96321638	0.7310	0.7733	0.0813	0.737822

<i>Hist1h1c</i>	chr13:23738806-23740366	187.0398	191.1303	0.0312	0.871016
<i>Smad5</i>	chr13:56703009-56742377	13.1444	13.2758	0.0144	0.874364
<i>Sh3tc1</i>	chr5:35697179-35729276	0.6072	0.5662	-0.1011	0.419668
<i>Plac8</i>	chr5:100553724-100572245	80.8813	82.3118	0.0253	0.880136
<i>Casd1</i>	chr6:4600839-4643381	21.1158	21.3304	0.0146	0.860040
<i>Gm10244</i>	chr6:39419886-39421294	4.5721	4.2231	-0.1146	0.697626
<i>Dctn1</i>	chr6:83165919-83200117	14.7864	14.2554	-0.0528	0.578626
<i>Atp6v1e1</i>	chr6:120795244-120822685	50.6265	48.6052	-0.0588	0.584437
<i>Gm15489</i>	chr7:122139007-122159401	1.7355	1.5596	-0.1542	0.687603
<i>Mir762</i>	chr7:127708486-127708562	13.0372	14.4215	0.1456	0.741465
<i>Dhps</i>	chr8:85071756-85075162	15.5312	15.6669	0.0126	0.858362
<i>Gm16167</i>	chr8:85853372-85854437	1.0457	0.9054	-0.2079	0.738937
<i>Rgmb</i>	chr17:15806252-15826586	3.5259	3.3339	-0.0808	0.667455
<i>2700099C18Rik</i>	chr17:94750099-94775132	1.6930	1.7863	0.0774	0.826959
<i>Ndufb8</i>	chr19:44548571-44555440	16.2992	15.6371	-0.0598	0.590501
<i>Tram1</i>	chr1:13564701-13589864	142.3929	137.3679	-0.0518	0.563189
<i>Wdr12</i>	chr1:60076867-60098645	9.4822	9.1129	-0.0573	0.541516
<i>Ahctf1</i>	chr1:179744893-179803680	32.7025	31.6939	-0.0452	0.430030
<i>Fpgs</i>	chr2:32682608-32704137	6.2546	5.9879	-0.0629	0.594647
<i>Ino80</i>	chr2:119373041-119477687	21.0532	21.1661	0.0077	0.899656
<i>Cstf1</i>	chr2:172370680-172382448	17.7843	17.8940	0.0089	0.879525
<i>Olfml3</i>	chr3:103722221-103738001	1.5798	1.6288	0.0441	0.758884
<i>Pik3r3</i>	chr4:116221617-116303056	0.9969	1.0292	0.0460	0.670103
<i>Mir700</i>	chr4:135416554-135416633	17.7342	19.2338	0.1171	0.648059
<i>Orc5</i>	chr5:22486484-22550429	20.0567	19.3286	-0.0533	0.517780
<i>Ccdc142os</i>	chr6:83106607-83109054	8.4030	7.9807	-0.0744	0.505784
<i>Zfp1</i>	chr8:122282140-122337251	10.0478	10.3410	0.0415	0.858177
<i>Uba7</i>	chr9:107975504-107984060	35.8238	34.3207	-0.0618	0.665452
<i>Gmpr2</i>	chr14:55672234-55678750	22.3331	22.5460	0.0137	0.787213
<i>NA</i>	chr17:12232480-12271184	15.3884	14.8123	-0.0551	0.532169
<i>Fam120b</i>	chr17:15396245-15433580	23.8266	23.0823	-0.0458	0.402694
<i>Uhrf1</i>	chr17:56303320-56323486	5.3201	5.4435	0.0331	0.872410
<i>Tomm70a</i>	chr16:57121713-57154530	55.2743	55.6438	0.0096	0.879700
<i>Angpt1</i>	chr1:156838561-156861078	1.0778	0.9886	-0.1246	0.689241
<i>Egfl7</i>	chr2:26580013-26593120	0.4527	0.4858	0.1017	0.790125
<i>Gins1</i>	chr2:150905399-150931280	2.2362	2.0767	-0.1068	0.491473
<i>Eif4e</i>	chr3:138526190-138557599	13.1822	12.7308	-0.0503	0.148212
<i>4921514A10Rik</i>	chr4:141115659-141118087	7.2577	6.9448	-0.0636	0.561076
<i>Xpc</i>	chr6:91489304-91515884	16.2222	16.3726	0.0133	0.868917
<i>Psmg4</i>	chr13:34162963-34178172	27.9631	26.4679	-0.0793	0.660162
<i>Proca1</i>	chr11:78193391-78205763	0.6313	0.6814	0.1102	0.679231
<i>2610008E11Rik</i>	chr10:79064373-79097600	12.2673	12.4817	0.0250	0.860959
<i>Mrpl12</i>	chr11:120484612-120489065	16.1691	15.4073	-0.0696	0.665891
<i>Pak1ip1</i>	chr13:41001022-41013019	25.5837	24.7175	-0.0497	0.457679
<i>Tmem238</i>	chr7:4784594-4789656	2.6756	2.8603	0.0963	0.801465
<i>Bckdha</i>	chr7:25629851-25658761	20.4975	19.6986	-0.0574	0.528981
<i>Ino80e</i>	chr7:126851579-126862377	11.1158	11.2375	0.0157	0.850812
<i>Crtam</i>	chr9:40972752-41004628	29.9652	28.7382	-0.0603	0.599128
<i>Dyx1c1</i>	chr9:72958784-72973064	3.1674	3.2620	0.0425	0.781820
<i>Fbxw2</i>	chr2:34804513-34826311	19.8070	19.8972	0.0066	0.896957
<i>Nespas</i>	chr2:174281236-174295436	1.0403	0.9555	-0.1228	0.634757
<i>Cdc5l</i>	chr17:45391891-45433707	34.7342	34.9987	0.0109	0.854834
<i>Comm1d1</i>	chr11:22834743-22982382	17.7366	17.8249	0.0072	0.905027
<i>Inca1</i>	chr11:70688360-70700155	0.6978	0.6125	-0.1880	0.638284
<i>Coq5</i>	chr5:115279665-115296972	16.0842	15.5032	-0.0531	0.321121
<i>Tm7sf3</i>	chr6:146602351-146642824	7.9980	8.1030	0.0188	0.853772
<i>Pih1d1</i>	chr7:45154302-45160069	14.7601	14.1946	-0.0564	0.459297
<i>Jak3</i>	chr8:71676295-71690575	29.1420	29.9230	0.0382	0.868640
<i>Mrpl16</i>	chr19:11770414-11774944	17.7760	17.0153	-0.0631	0.522913
<i>Coq10b</i>	chr1:55052769-55072701	11.0131	10.5414	-0.0632	0.532012
<i>Romo1</i>	chr2:156144038-156145797	21.0273	21.5297	0.0341	0.810884
<i>Psmc4</i>	chr7:28041706-28050101	49.7000	50.2978	0.0172	0.877230
<i>D17Wsu92e</i>	chr17:27751231-27820558	32.2535	31.0112	-0.0567	0.636618
<i>Ddx11</i>	chr17:66123519-66152167	11.2377	10.7883	-0.0589	0.608069
<i>Ercc8</i>	chr13:108158730-108195364	3.0330	2.9047	-0.0623	0.537160
<i>Ndufc2</i>	chr7:97400002-97407802	41.9970	42.5648	0.0194	0.845529
<i>Ambra1</i>	chr2:91730133-91918849	17.7636	17.8955	0.0107	0.898375
<i>Bri3bp</i>	chr5:125441567-125460872	4.5169	4.3577	-0.0518	0.390180
<i>Slc25a28</i>	chr19:43663821-43674881	21.4270	21.7529	0.0218	0.867112
<i>Cmip</i>	chr8:117257018-117461503	8.1525	8.3615	0.0365	0.866491
<i>Cnynl1</i>	chr1:64690454-64725644	1.5311	1.5895	0.0540	0.718398

<i>Rhd</i>	chr4:134864535-134896172	1.1563	1.0462	-0.1444	0.659330
<i>Pgap3</i>	chr11:98388676-98400490	3.4617	3.5507	0.0366	0.783447
<i>NA</i>	chr15:76721465-76723845	11.6341	11.0813	-0.0702	0.646369
<i>Ptprs</i>	chr17:56412430-56476483	2.8047	2.6562	-0.0785	0.703526
<i>Cytip</i>	chr2:58129136-58195532	105.2822	101.7944	-0.0486	0.526497
<i>Zdhhc18</i>	chr4:133605298-133650154	38.5560	37.1028	-0.0554	0.643335
<i>Gm5421</i>	chr10:22343438-22345792	1.4736	1.5397	0.0633	0.789756
<i>Akap11</i>	chr14:78492245-78536860	17.9557	17.3152	-0.0524	0.597333
<i>Rraga</i>	chr4:86575672-86577281	11.2409	10.7301	-0.0671	0.588149
<i>Map4k5</i>	chr12:69803749-69893200	2.1902	2.0836	-0.0720	0.678788
<i>Tlr1</i>	chr5:64924810-64932761	54.9936	55.0965	0.0027	0.938844
<i>Atp2a1</i>	chr7:126445857-126463108	1.0585	0.9889	-0.0982	0.470746
<i>Bcap31</i>	chrX:73686177-73716175	86.3399	83.1281	-0.0547	0.570134
<i>Eif1ad</i>	chr19:5366812-5371511	22.8724	22.0100	-0.0554	0.538358
<i>Gm4956</i>	chr1:21285245-21298312	1.1522	1.2745	0.1455	0.808131
<i>ligp1</i>	chr18:60376028-60392627	34.7284	36.9086	0.0878	0.783446
<i>Gapvd1</i>	chr2:34676183-34755232	25.7846	24.9693	-0.0464	0.467658
<i>5430405H02Rik</i>	chr2:156852429-156862945	4.9873	4.6838	-0.0906	0.633813
<i>Sigmar1</i>	chr4:41738492-41756157	8.7771	8.4115	-0.0614	0.625333
<i>1700021J08Rik</i>	chr4:117002165-117003012	22.5452	22.9749	0.0272	0.806016
<i>Gm25788</i>	chr4:123291343-123291474	23.0791	24.5852	0.0912	0.825912
<i>lft20</i>	chr11:78536360-78541737	23.8992	22.7910	-0.0685	0.644591
<i>Ska2</i>	chr11:87109233-87124635	5.1571	5.2453	0.0245	0.835736
<i>Gm25776</i>	chr12:91573429-91573572	117.6039	101.7693	-0.2086	0.712056
<i>4930595D18Rik</i>	chr12:111159849-111184491	2.0122	2.1818	0.1167	0.725251
<i>Nrbp1</i>	chr5:31240863-31251566	47.9134	48.1930	0.0084	0.910636
<i>Por</i>	chr5:135670032-135735326	10.2673	10.4053	0.0193	0.859734
<i>Mmaa</i>	chr8:79266423-79294956	2.8384	2.9064	0.0342	0.791673
<i>Pard6a</i>	chr8:105701153-105703493	3.8819	3.6638	-0.0834	0.415181
<i>Gm16124</i>	chr9:53667245-53681265	14.1865	13.2282	-0.1009	0.711368
<i>Man2c1os</i>	chr9:57099949-57131290	8.3074	8.4391	0.0227	0.787405
<i>Mrps22</i>	chr9:98588732-98601679	20.6655	19.8507	-0.0580	0.452624
<i>Bcor1</i>	chrX:48341357-48408049	1.0108	0.9552	-0.0817	0.695130
<i>Gm15009</i>	chrX:136802911-136803233	4.2145	3.7046	-0.1860	0.739309
<i>Mrpl13</i>	chr15:55534093-55557748	3.9726	4.0359	0.0228	0.855200
<i>Cbx7</i>	chr15:7915806-79971119	30.0629	28.9137	-0.0562	0.659602
<i>Gm18284</i>	chr15:81674254-81674878	1.8077	1.9571	0.1146	0.647754
<i>Gpalpp1</i>	chr14:76086231-76110815	20.3975	19.7499	-0.0466	0.437180
<i>Jmjd8</i>	chr17:25828866-25831842	28.1890	27.1964	-0.0517	0.493701
<i>Zfp472</i>	chr17:32965813-32979233	16.5752	15.8404	-0.0654	0.649323
<i>Gpsm3</i>	chr17:34589805-34591754	51.4399	52.2084	0.0214	0.876943
<i>Epcam</i>	chr17:87635978-87651106	1.5941	1.6751	0.0715	0.786605
<i>Trmt10c</i>	chr16:56032608-56037819	33.4448	32.1354	-0.0576	0.619774
<i>Yme1l1</i>	chr2:23156368-23199260	41.4278	41.8590	0.0149	0.882931
<i>Plekha3</i>	chr2:76675280-76696828	18.5587	17.9694	-0.0465	0.284948
<i>Ddb2</i>	chr2:91211571-91236982	41.6336	41.8509	0.0075	0.910299
<i>Bambi-ps1</i>	chr2:122466934-122467526	23.5854	22.4889	-0.0687	0.623737
<i>Ndufaf5</i>	chr2:140170648-140203689	8.5451	8.6837	0.0232	0.769987
<i>Znf512b</i>	chr2:181582102-181592803	14.0573	14.2485	0.0195	0.882205
<i>Mgst2</i>	chr3:51660359-51682675	19.9589	19.3009	-0.0484	0.484044
<i>Aph1a</i>	chr3:95893968-95898288	3.0878	3.1754	0.0404	0.793664
<i>Amy1</i>	chr3:113555709-113606699	6.2634	6.3781	0.0262	0.816966
<i>Akirin1</i>	chr4:123734558-123750345	22.5133	21.7402	-0.0504	0.508982
<i>Agfg2</i>	chr5:137650482-137684726	8.4866	8.1434	-0.0596	0.577943
<i>NA</i>	chrX:12134458-12160346	5.1888	4.9013	-0.0822	0.639781
<i>Tmem55b</i>	chr14:50926069-50930856	20.9118	21.0272	0.0079	0.890686
<i>Scand1</i>	chr2:156311846-156312704	61.2233	63.2940	0.0480	0.857711
<i>Sox15</i>	chr11:69655313-69656727	1.0159	0.8934	-0.1855	0.613444
<i>Card11</i>	chr5:140872998-141000596	41.4304	41.7765	0.0120	0.905802
<i>Parp6</i>	chr9:59617283-59650290	17.2287	16.6559	-0.0488	0.426245
<i>Hist2h2ab</i>	chr3:96219864-96220308	12.8573	12.0561	-0.0928	0.674243
<i>Dr1</i>	chr5:108268896-108280526	25.9938	25.1573	-0.0472	0.486153
<i>Tmem69</i>	chr4:116551632-116555936	5.9600	6.1241	0.0392	0.824098
<i>Lsm6</i>	chr8:78804864-78821140	9.5508	9.6410	0.0136	0.853558
<i>Ndst2</i>	chr14:20723738-20730327	9.1170	8.7596	-0.0577	0.583850
<i>AI467606</i>	chr7:127091435-127094049	125.0595	120.7739	-0.0503	0.544304
<i>Rasa3</i>	chr8:13566949-13677603	157.9114	158.3403	0.0039	0.946895
<i>9330154K18Rik</i>	chr15:57717803-57738666	1.8686	1.9547	0.0650	0.845769
<i>Gm21987</i>	chr16:38347039-38362297	30.5277	31.7564	0.0569	0.840255
<i>Lrrc75b</i>	chr10:75550124-75560330	3.4790	3.5698	0.0372	0.826896
<i>Kcnnh4</i>	chr11:100740375-100759942	0.3953	0.4208	0.0900	0.527518

<i>Mrps7</i>	chr11:115603924-115608036	17.9991	17.3122	-0.0561	0.570931
<i>Utp15</i>	chr13:98246844-98262992	20.0985	19.4255	-0.0491	0.508525
<i>Tmem33</i>	chr5:67260564-67291461	10.8347	10.9405	0.0140	0.885627
<i>Fxyd4</i>	chr6:117933728-117937335	1.1592	1.0401	-0.1564	0.643172
<i>Ccdc101</i>	chr7:126649308-126672925	16.9546	17.1008	0.0124	0.764495
<i>Traj38</i>	chr14:54180573-54180635	15.1269	16.5155	0.1267	0.776880
<i>Abcc4</i>	chr14:118482691-118706219	11.7784	11.4011	-0.0470	0.420567
<i>Apom</i>	chr17:35128996-35132050	2.2713	2.4041	0.0820	0.707758
<i>Gm6767</i>	chr16:51362451-51363832	2.7656	2.8816	0.0593	0.764010
<i>Rab14</i>	chr2:35180204-35201120	25.3163	24.5081	-0.0468	0.501953
<i>Pde11a</i>	chr2:75989140-76338774	1.4335	1.3572	-0.0789	0.589980
<i>Cdc42</i>	chr4:137319695-137357720	207.0968	209.1655	0.0143	0.880991
<i>Prodh</i>	chr16:18060356-18090203	0.3468	0.3130	-0.1481	0.368608
<i>Pggt1b</i>	chr18:46239948-46280850	9.9838	10.0956	0.0161	0.820159
<i>NA</i>	chr1:91928784-91931176	10.1049	9.6260	-0.0700	0.701339
<i>Insig2</i>	chr1:121304352-121332589	5.3663	5.1532	-0.0584	0.533721
<i>Fam83d</i>	chr2:158768092-158786637	0.2565	0.2861	0.1580	0.804682
<i>Kcnmb4</i>	chr10:116417860-116473878	2.9493	2.7992	-0.0753	0.639305
<i>Tgfb1</i>	chr13:56609602-56639339	0.3077	0.2626	-0.2288	0.762661
<i>Gbp6</i>	chr5:105270703-105293699	18.4323	18.9234	0.0379	0.870629
<i>Rps3</i>	chr7:99477895-99483738	538.5091	550.0264	0.0305	0.868305
<i>Cdc42ep3</i>	chr17:79334024-79355091	16.9494	17.1110	0.0137	0.852782
<i>1810012K08Rik</i>	chr2:26138545-26139543	14.5668	13.6148	-0.0975	0.686423
<i>Gm7741</i>	chr3:35863876-35864865	1.2212	1.0939	-0.1587	0.702475
<i>Tgm2</i>	chr2:158116401-158146436	0.2061	0.2277	0.1437	0.817258
<i>Zfp942</i>	chr17:21926959-21962464	16.2470	15.6061	-0.0581	0.658831
<i>Hmcn2</i>	chr2:31314414-31460738	0.0609	0.0674	0.1448	0.693393
<i>Pram1</i>	chr17:33638055-33645706	1.5326	1.5945	0.0571	0.780066
<i>Sirpa</i>	chr2:129592834-129632228	0.2281	0.2539	0.1547	0.828283
<i>Gtse1</i>	chr15:85859706-85876572	1.4911	1.5719	0.0762	0.843344
<i>Glod4</i>	chr11:76120986-76243725	13.0754	12.6287	-0.0502	0.475315
<i>Ogfod3</i>	chr11:121177590-121204711	2.7858	2.5978	-0.1008	0.614581
<i>B3glct</i>	chr5:149678229-149762599	2.5469	2.6029	0.0314	0.835641
<i>1700028E10Rik</i>	chr5:151368708-151414083	2.2131	2.2763	0.0406	0.713331
<i>Rab19</i>	chr6:39381174-39390380	17.0657	17.2480	0.0153	0.859252
<i>Zfp882</i>	chr8:71908607-71916354	7.3068	7.3870	0.0158	0.775456
<i>Cdt1</i>	chr8:122568014-122573128	17.1875	16.5454	-0.0549	0.565255
<i>Arhgap20</i>	chr9:51765336-51853856	0.1177	0.1050	-0.1641	0.670628
<i>Lamb2</i>	chr9:108479861-108490530	0.1998	0.2164	0.1152	0.723596
<i>Csnk1e</i>	chr15:79417855-79443919	4.6807	4.5028	-0.0559	0.605806
<i>Ccar2</i>	chr14:70138176-70153811	30.2294	29.2570	-0.0472	0.524700
<i>Cmtr1</i>	chr17:29549798-29705979	26.4091	26.5612	0.0083	0.925514
<i>Dxo</i>	chr17:34837018-34839233	12.3802	12.5538	0.0201	0.849038
<i>Sf1</i>	chr19:6363689-6378030	37.9133	38.0779	0.0063	0.933902
<i>Abi2</i>	chr1:60409618-60481162	3.2255	3.0897	-0.0620	0.576466
<i>4921507L20Rik</i>	chr2:93980033-93983575	1.6707	1.7891	0.0988	0.816867
<i>Prmt6</i>	chr3:110246111-110250998	12.0319	12.1724	0.0168	0.864653
<i>1110037F02Rik</i>	chr4:11485957-11550684	34.6623	34.6886	0.0011	0.973261
<i>Gm26049</i>	chr4:41312090-41312198	12.7776	11.5334	-0.1478	0.709153
<i>Tfip11</i>	chr5:112326357-112338073	11.0741	10.6313	-0.0589	0.627228
<i>Rapc1a</i>	chr5:145083829-145108761	12.6009	12.1527	-0.0523	0.487026
<i>Rabep2</i>	chr7:126428758-126449245	10.2186	10.3389	0.0169	0.890906
<i>Upf3a</i>	chr8:13785614-13798538	19.2145	19.6535	0.0326	0.851264
<i>Tead3</i>	chr17:28331670-28350805	0.2309	0.2498	0.1131	0.525393
<i>Lpin2</i>	chr17:71182559-71249817	5.3203	5.0969	-0.0619	0.690200
<i>Traf3ip3</i>	chr1:193175505-193201703	105.8127	102.7160	-0.0429	0.445349
<i>Dpp7</i>	chr2:25352275-25356359	3.7857	3.8713	0.0322	0.851375
<i>Tomm34</i>	chr2:164053539-164071169	36.5879	36.7246	0.0054	0.929873
<i>Vps45</i>	chr3:95999831-96058466	5.2710	5.0331	-0.0666	0.595727
<i>Gm12869</i>	chr4:107349038-107351353	2.6199	2.3091	-0.1822	0.671389
<i>Snord55</i>	chr4:117155769-117155848	21.5581	22.9384	0.0895	0.661002
<i>Ube2b</i>	chr11:51985496-52000762	38.6361	37.4249	-0.0460	0.385394
<i>Zfp511</i>	chr7:140036390-140040605	23.4458	23.7752	0.0201	0.878610
<i>Pdp2</i>	chr8:104591467-104596836	9.6485	9.7592	0.0165	0.857845
<i>Hyal3</i>	chr9:107580817-107587359	0.9392	1.0001	0.0907	0.730838
<i>Nipbl</i>	chr15:8291224-8444463	59.9927	60.4005	0.0098	0.902236
<i>Ehd3</i>	chr17:73804840-73832093	48.7954	48.8812	0.0025	0.957997
<i>Ergic3</i>	chr2:156008044-156018279	15.9933	16.2231	0.0206	0.865905
<i>Acadm</i>	chr3:153922356-153944632	20.3157	20.5376	0.0157	0.870122
<i>Aebp1</i>	chr11:5861946-5872088	0.1902	0.1677	-0.1820	0.578798
<i>Gm15893</i>	chr11:88356290-88363947	1.5163	1.6147	0.0906	0.789485

<i>Men1</i>	chr19:6334978-6340891	18.5452	18.7759	0.0178	0.879765
<i>Polr2k-ps</i>	chr11:95761490-95761665	9.3987	10.1595	0.1123	0.758422
<i>Egln2</i>	chr7:27158657-27166802	20.5450	19.7282	-0.0585	0.640739
<i>Gm26551</i>	chr11:51949881-52269514	13.0331	12.3674	-0.0756	0.737639
<i>Slc25a39</i>	chr11:102402984-102407946	9.7365	9.9266	0.0279	0.867423
<i>Zscan21</i>	chr5:138116902-138134265	7.4247	7.1350	-0.0574	0.572634
<i>Herc3</i>	chr6:58831464-58920398	33.8808	33.8973	0.0007	0.985707
<i>Itpr2</i>	chr6:146108298-146502223	36.9912	35.8289	-0.0461	0.567438
<i>Zfp865</i>	chr7:5020375-5033138	6.9639	6.6244	-0.0721	0.723606
<i>Ech1</i>	chr7:28825216-28832247	24.0041	23.0932	-0.0558	0.598257
<i>Mical2</i>	chr7:112225855-112355194	0.1646	0.1471	-0.1624	0.717832
<i>Gpr124</i>	chr8:27085582-27123436	0.4506	0.4726	0.0686	0.668891
<i>Rfwd3</i>	chr8:111270943-111300222	7.7798	7.8611	0.0150	0.859265
<i>Gan</i>	chr8:117158134-117205834	2.8678	2.9533	0.0424	0.830439
<i>Nudcd1</i>	chr15:44375226-44428307	9.7311	9.3364	-0.0597	0.607655
<i>Prpf40b</i>	chr15:99295086-99317018	2.0289	2.0808	0.0365	0.830158
<i>Ap1g2</i>	chr14:55098577-55106593	18.6076	17.8863	-0.0570	0.649156
<i>Sele</i>	chr1:164048233-164057677	3.2201	3.0487	-0.0789	0.710792
<i>1110051M20Rik</i>	chr2:91275067-91444704	7.6598	7.7280	0.0128	0.880871
<i>Pank2</i>	chr2:131262494-131299188	22.4595	22.6020	0.0091	0.899356
<i>Gm12350</i>	chr4:34485831-34486293	3.6775	3.2417	-0.1820	0.760367
<i>Sesn2</i>	chr4:132492031-132510501	1.5998	1.4936	-0.0991	0.733096
<i>Acap3</i>	chr4:155891821-155907251	7.9012	7.5934	-0.0573	0.623268
<i>G430095P16Rik</i>	chr8:84723006-84726844	14.1299	13.4310	-0.0732	0.624137
<i>Syn3</i>	chr10:86055124-86498896	0.0621	0.0539	-0.2028	0.676874
<i>Tgtp2</i>	chr11:49057193-49064206	44.0442	44.6227	0.0188	0.880993
<i>Wdr1</i>	chr5:38526813-38561666	237.4454	238.6383	0.0072	0.920971
<i>Aff1</i>	chr5:103692373-103855322	9.2477	9.3967	0.0231	0.890302
<i>Slc26a1</i>	chr5:108669877-108675569	2.5956	2.6515	0.0308	0.797151
<i>Tbl2</i>	chr5:135149656-135163873	5.6159	5.7115	0.0244	0.874243
<i>Gm26738</i>	chr6:17834584-17835185	1.7178	1.5276	-0.1693	0.567646
<i>Nup210</i>	chr6:91013067-91116829	96.0431	92.2771	-0.0577	0.690147
<i>Cracr2a</i>	chr6:127577974-127629938	34.2005	34.7228	0.0219	0.888806
<i>Zfp940</i>	chr7:29833619-29853669	4.0744	3.8853	-0.0686	0.672100
<i>Mvb12a</i>	chr8:71542929-71548024	28.2466	26.8154	-0.0750	0.697964
<i>Hsf4</i>	chr8:105269800-105275845	0.6303	0.6959	0.1428	0.779322
<i>4931428F04Rik</i>	chr8:105280409-105289528	1.0169	0.9546	-0.0913	0.481357
<i>Siae</i>	chr9:37613846-37648318	8.1291	7.8422	-0.0518	0.288527
<i>Uqcrc1</i>	chr9:108936647-108949640	70.4360	70.8418	0.0083	0.919948
<i>Sh2d1a</i>	chrX:42502452-42523697	14.4372	13.8713	-0.0577	0.584832
<i>Las1l</i>	chrX:95935334-95956962	6.7591	6.8035	0.0094	0.912306
<i>Atp6v1c1</i>	chr15:38661903-38692443	33.6663	32.4512	-0.0530	0.607941
<i>Zfp647</i>	chr15:76910850-76918010	1.0143	0.9210	-0.1392	0.621778
<i>Txn2</i>	chr15:77915046-77929006	14.5564	14.8040	0.0243	0.873853
<i>Smarcd1</i>	chr15:99702286-99713995	10.1720	10.3145	0.0201	0.880204
<i>4933413J09Rik</i>	chr14:26356573-26400456	0.2017	0.1816	-0.1514	0.446664
<i>Sdr39u1</i>	chr14:55897285-55900232	44.9521	45.2422	0.0093	0.900694
<i>Snora31</i>	chr14:75847904-75848034	39.2607	36.9896	-0.0860	0.612390
<i>Abhd16a</i>	chr17:35089262-35102987	14.3006	14.5004	0.0200	0.882248
<i>Cnpy3</i>	chr17:46735704-46752214	14.4968	13.9660	-0.0538	0.495445
<i>Camkmt</i>	chr17:85090725-85458139	1.8138	1.6647	-0.1237	0.597255
<i>B3gnt1</i>	chr19:5038825-5041134	4.6196	4.3929	-0.0726	0.569588
<i>Dusp5</i>	chr19:53529108-53542431	8.7184	8.3546	-0.0615	0.601429
<i>Chst10</i>	chr1:38863876-38898160	7.3061	7.0184	-0.0580	0.585385
<i>Dars</i>	chr1:128363707-128417416	59.3981	60.0557	0.0159	0.885945
<i>Slamf6</i>	chr1:171917536-171943868	73.1241	73.4879	0.0072	0.932948
<i>Mrrf</i>	chr2:36136388-36190647	5.2564	5.0327	-0.0627	0.492919
<i>Metap1d</i>	chr2:71453275-71525194	11.4442	11.0261	-0.0537	0.597630
<i>Ctnnb1</i>	chr2:157737400-157891614	31.9020	30.6323	-0.0586	0.642896
<i>3110057O12Rik</i>	chr3:40846969-40938138	3.9562	4.0228	0.0241	0.885161
<i>S100a11</i>	chr3:93520487-93526287	2.9112	3.1480	0.1128	0.807964
<i>Sec61b</i>	chr4:47474657-47483242	32.5440	33.3358	0.0347	0.856128
<i>Minos1</i>	chr4:139101813-139131113	9.4586	9.7213	0.0395	0.854886
<i>Phf13</i>	chr4:151989632-151996258	3.4501	3.2289	-0.0956	0.762356
<i>Spaca6</i>	chr17:17830718-17843009	0.1533	0.1703	0.1523	0.791212
<i>Sf3a2</i>	chr10:80798197-80804924	7.7625	7.9071	0.0266	0.843579
<i>Rbm39</i>	chr2:156147238-156180238	167.4264	168.1656	0.0064	0.923316
<i>Ccdc28b</i>	chr4:129619273-129623947	5.5448	5.6476	0.0265	0.824971
<i>Chd5</i>	chr4:152338650-152390194	0.2263	0.2383	0.0740	0.639564
<i>Pno1</i>	chr11:17203197-17211568	17.3293	17.5773	0.0205	0.862534
<i>Sf3b1</i>	chr1:54985168-55027478	292.1243	282.1361	-0.0502	0.623705

Mroh8	chr2:157208549-157279549	0.5402	0.5690	0.0749	0.736310
Gm15952	chr3:35933044-35942717	1.7594	1.5682	-0.1660	0.743085
Dmap1	chr4:117674680-117682273	10.8604	10.9587	0.0130	0.864488
Numbl	chr7:27258432-27282144	0.4041	0.4221	0.0627	0.806941
Rassf3	chr10:121410349-121476250	9.5856	9.7283	0.0213	0.861587
Cand2	chr6:115774537-115804893	2.5617	2.6079	0.0258	0.830176
1700052N19Rik	chr10:4432466-4455141	4.6712	4.5037	-0.0527	0.491676
Cd164	chr10:41519499-41531042	117.4099	117.7284	0.0039	0.946141
Dapk3	chr10:81183006-81193197	20.1327	19.3701	-0.0557	0.594331
Nudt4	chr10:95547006-95564167	9.4602	9.5549	0.0144	0.878660
Rab5b	chr10:128677192-128696268	11.2843	11.3590	0.0095	0.812370
Nprl3	chr11:32225627-32267707	6.7434	6.8088	0.0139	0.902858
D130020L05Rik	chr12:101082480-101088927	16.5079	16.8874	0.0328	0.879563
Hnrnpk	chr13:58391141-58403343	62.6985	62.9779	0.0064	0.921974
E130116L18Rik	chr5:25222847-25223153	2.6645	2.9401	0.1420	0.748348
Prkar1b	chr5:139017305-139150001	0.3271	0.2975	-0.1371	0.577298
Wdr91	chr6:34880425-34910876	11.1952	10.8027	-0.0515	0.492368
Rnf181	chr6:72359713-72362721	29.7767	28.7859	-0.0488	0.471007
A530021J07Rik	chr7:83148643-83155922	3.3657	3.5787	0.0885	0.573221
Rnf169	chr7:99920256-99980458	11.9042	11.9293	0.0030	0.945021
Pcid2	chr8:13077188-13105459	12.3551	11.9052	-0.0535	0.567588
Gm11175	chr8:70699537-70700080	113.9535	119.2469	0.0655	0.815615
Slc38a7	chr8:95835919-95853539	3.1571	3.2108	-0.0684	0.571987
Ube2cbp	chr9:86307233-86464950	4.4719	4.5849	0.0360	0.773561
Gm16200	chr9:90221294-90221625	2.6191	2.3118	-0.1801	0.517326
Gm16976	chr14:44858670-44974944	0.7165	0.6570	-0.1251	0.639202
Phf11d	chr14:59347406-59365470	0.4992	0.5256	0.0745	0.819467
Satb1	chr17:51736186-51833290	66.3484	66.8592	0.0111	0.916466
Ppp1r14b	chr19:6975047-6977324	15.2367	14.5464	-0.0669	0.596705
Gtf3c3	chr1:54397580-54438971	19.4849	18.7834	-0.0529	0.581906
Gm22489	chr1:161035849-161035911	138.2425	130.4258	-0.0840	0.660622
Mir29c	chr1:195037546-195037634	9.0146	7.9186	-0.1870	0.657565
Galnt1	chr18:24205343-24286818	32.5745	31.5637	-0.0455	0.480405
Card9	chr2:26352175-26360918	2.8738	2.7048	-0.0875	0.714291
Gm13461	chr2:41987472-41988829	3.7590	3.9542	0.0731	0.794747
Mettl8	chr2:70964560-71055583	5.0869	5.1758	0.0250	0.841659
Gm14176	chr2:157901468-157902522	0.9287	0.8320	-0.1587	0.563630
Ptplad2	chr4:88396143-88438928	2.1424	2.1903	0.0319	0.839937
Eri3	chr4:117550364-117674297	9.7494	9.4081	-0.0514	0.466333
Ppie	chr4:123127114-123139951	22.7871	23.0582	0.0171	0.878204
Shprh	chr10:11149426-11217595	12.9947	12.6028	-0.0442	0.543082
Ahi1	chr10:20952546-21080428	6.1019	6.1360	0.0080	0.836648
Atg5	chr10:44268357-44364291	19.1861	19.4187	0.0174	0.875845
Ccdc138	chr10:58497969-58576242	1.9370	1.8228	-0.0877	0.606947
Sgpl1	chr10:61098641-61147703	15.5996	15.6689	0.0064	0.927558
Lrrc20	chr10:61475832-61582226	3.0453	3.1480	0.0479	0.811693
Itgb2	chr10:77530251-77565708	156.3507	156.6916	0.0031	0.967019
E130317F20Rik	chr10:79851380-79854956	4.0775	4.1570	0.0278	0.851036
Hsp90b1	chr10:86690208-86705509	103.3456	104.1409	0.0111	0.917519
Metap2	chr10:93858488-93897093	10.2461	10.2772	0.0044	0.918802
Mettl25	chr10:105763188-105841380	5.9299	5.9970	0.0162	0.864794
Slc26a10	chr10:127172425-127180645	4.6433	4.7271	0.0258	0.816031
Ascc2	chr11:4637746-4685699	10.0383	10.0828	0.0064	0.913796
B3gnt2	chr11:22834746-22860961	38.1280	38.2603	0.0050	0.945763
Tcf7	chr11:52252370-52283014	179.8942	180.8758	0.0079	0.934620
Tnip1	chr11:54910784-54962917	24.4206	23.4313	-0.0597	0.705213
Gm10434	chr11:59208245-59208720	10.5452	9.8470	-0.0988	0.725422
Arrb2	chr11:70432634-70440828	80.0544	77.7763	-0.0416	0.436475
Gm6733	chr11:72833460-72835380	1.1132	1.0198	-0.1264	0.712251
1200014J11Rik	chr11:73047782-73080217	12.0618	12.1037	0.0050	0.908206
Gm11423	chr11:82779600-82781042	8.3126	8.5136	0.0345	0.776673
Nt5c3b	chr11:100422320-100441808	19.8137	19.9816	0.0122	0.893685
Coasy	chr11:101082564-101086619	9.8085	9.4683	-0.0509	0.384734
Ezh1	chr11:101191114-101226463	17.7828	17.2486	-0.0440	0.488658
Becn1	chr11:101285951-101302286	26.8036	26.8634	0.0032	0.940347
Tex2	chr11:106502146-106613423	10.2927	10.4168	0.0173	0.900290
Ddx5	chr11:106780354-106789185	313.6756	305.0525	-0.0402	0.366480
Acox1	chr11:116171887-116199045	8.0069	8.0644	0.0103	0.869362
Did	chr12:31331563-31351437	30.9866	31.1721	0.0086	0.912522
Prkar2b	chr12:31958475-32061296	1.3516	1.4002	0.0509	0.832970
Hectd1	chr12:51743721-51829536	95.7311	92.8963	-0.0434	0.474598

<i>Klhl28</i>	chr12:64942439-64965536	18.7365	18.0626	-0.0529	0.628151
<i>Gm17191</i>	chr12:81532034-81533358	2.1006	2.2997	0.1307	0.754913
<i>Map3k9</i>	chr12:81714949-81781170	0.5473	0.5076	-0.1088	0.779371
<i>Psen1</i>	chr12:83688202-83735199	26.1763	26.2810	0.0058	0.930733
<i>Cmah</i>	chr13:24327419-24477285	62.2703	60.1771	-0.0493	0.659464
<i>2610307P16Rik</i>	chr13:28460033-28885620	0.2569	0.2849	0.1491	0.760671
<i>Nsd1</i>	chr13:55209781-55318325	49.5154	47.9799	-0.0454	0.606648
<i>Rmi1</i>	chr13:58402596-58411149	3.0220	2.8861	-0.0664	0.485635
<i>4930486L24Rik</i>	chr13:60842620-60864416	4.0077	3.7599	-0.0921	0.655505
<i>Zcchc9</i>	chr13:91796532-91807705	16.3087	15.8368	-0.0424	0.004647
<i>Zfyve16</i>	chr13:92487107-92530868	8.0522	7.7634	-0.0527	0.621186
<i>Akap9</i>	chr5:3928053-4080209	19.8641	19.2896	-0.0423	0.485711
<i>Gpr125</i>	chr5:49959950-50058996	0.3548	0.3237	-0.1322	0.499487
<i>Rpl9</i>	chr5:65388363-65391443	14.9930	14.4857	-0.0497	0.483061
<i>Gm15787</i>	chr5:110154399-110176504	7.0389	7.1502	0.0226	0.865362
<i>Atp2a2</i>	chr5:122442701-122502225	26.4128	25.5849	-0.0459	0.577072
<i>NA</i>	chr5:134176357-134176956	1.5888	1.7136	0.1090	0.578336
<i>Fis1</i>	chr5:136953274-136966234	47.0453	47.7190	0.0205	0.893444
<i>Tnrc18</i>	chr5:142750379-142817662	5.2148	4.9754	-0.0678	0.735653
<i>Glcc1</i>	chr6:8509599-8597548	6.0815	5.8511	-0.0557	0.702149
<i>Irf5</i>	chr6:29526624-29541869	7.4092	7.4951	0.0166	0.801309
<i>Gcfc2</i>	chr6:81923668-81959915	5.7651	5.8179	0.0132	0.887176
<i>Gfpt1</i>	chr6:87042845-87092197	9.3802	9.4140	0.0052	0.935917
<i>Emc3</i>	chr6:113514873-113531638	28.6735	28.8078	0.0067	0.916695
<i>Ttyh1</i>	chr7:4119407-4136706	0.5072	0.4686	-0.1141	0.750021
<i>U2af2</i>	chr7:5062142-5079945	52.8124	53.0827	0.0074	0.922642
<i>Rab4b</i>	chr7:27168423-27178896	17.5338	17.7176	0.0150	0.894379
<i>Zfp74</i>	chr7:29930814-29954089	3.7098	3.5684	-0.0561	0.470664
<i>Gm24757</i>	chr7:30311524-30311895	7.3244	6.7947	-0.1083	0.562050
<i>Zfp507</i>	chr7:35772345-35802989	14.4003	13.9287	-0.0480	0.520073
<i>Fcgrt</i>	chr7:45092992-45103822	18.1543	17.4005	-0.0612	0.675778
<i>Crtc3</i>	chr7:80586626-80688877	5.1347	5.2347	0.0278	0.885577
<i>Ucp2</i>	chr7:100493336-100502020	33.1892	32.1259	-0.0470	0.633143
<i>Fam160a2</i>	chr7:105371210-105373718	1.9609	2.0263	0.0473	0.795769
<i>Dennd5a</i>	chr7:109893779-109960470	3.0967	2.9757	-0.0575	0.597013
<i>Swap70</i>	chr7:110221702-110283503	1.9040	1.9498	0.0343	0.843809
<i>Gm15503</i>	chr7:128410419-128412341	4.1739	3.8699	-0.1091	0.489542
<i>Tacc2</i>	chr7:130577483-130764784	0.6702	0.6339	-0.0802	0.683465
<i>Dhx32</i>	chr7:133720941-133782726	7.1545	7.2231	0.0138	0.878939
<i>Pidd1</i>	chr7:141438112-141444025	1.7100	1.6202	-0.0778	0.683380
<i>4933416M07Rik</i>	chr8:27142909-27149671	4.7952	4.5713	-0.0690	0.465152
<i>Rpgrip1l</i>	chr8:91217029-91313262	0.8108	0.7687	-0.0770	0.612360
<i>Tk2</i>	chr8:104226690-104248558	30.4235	30.6604	0.0112	0.915243
<i>Gm15898</i>	chr8:120095059-120097736	2.6200	2.3977	-0.1279	0.570205
<i>Gins2</i>	chr8:120578632-120589304	5.4619	5.2218	-0.0649	0.703263
<i>Rnf166</i>	chr8:122466146-122476064	42.0101	42.2684	0.0088	0.900804
<i>Map10</i>	chr8:125669817-125673365	2.0269	2.0883	0.0431	0.823641
<i>Pin1</i>	chr9:20652129-20666584	8.7333	8.4392	-0.0494	0.414488
<i>Icam5</i>	chr9:21032037-21039036	0.3644	0.3264	-0.1591	0.762316
<i>Mpi</i>	chr9:57544255-57552763	4.2095	4.2855	0.0258	0.820936
<i>2300009A05Rik</i>	chr9:63394446-63399244	19.2802	19.8796	0.0442	0.858987
<i>Mto1</i>	chr9:78448207-78475348	11.0012	11.0817	0.0105	0.894925
<i>Rwdd2a</i>	chr9:86572052-86574896	1.6127	1.6970	0.0735	0.622052
<i>P4htm</i>	chr9:108578825-108597600	2.2928	2.3752	0.0509	0.824643
<i>Ip6k2</i>	chr9:108795993-108806333	18.1664	17.5589	-0.0491	0.329602
<i>Tgm4</i>	chr9:123034738-123067561	1.5902	1.5096	-0.0750	0.557375
<i>Rpgr</i>	chrX:10073620-10216920	1.0376	1.0653	0.0380	0.843736
<i>Gm9085</i>	chrX:20382749-20383821	0.6473	0.7252	0.1639	0.761582
<i>Gria3</i>	chrX:41400853-41678601	1.6161	1.6573	0.0364	0.850065
<i>Zfp449</i>	chrX:56346399-56365674	0.3651	0.3218	-0.1823	0.737200
<i>Cox7b</i>	chrX:106015699-106022450	66.1104	63.0055	-0.0694	0.744901
<i>Apex2</i>	chrX:150519518-150589868	2.4261	2.3213	-0.0638	0.689349
<i>Mir3113</i>	chrX:151859561-151859637	13.4466	12.0816	-0.1544	0.495901
<i>Dnajc21</i>	chr15:10446755-10470516	9.4211	9.4651	0.0067	0.858638
<i>Stk3</i>	chr15:34875495-35155806	2.2180	2.2780	0.0385	0.839564
<i>Taf2</i>	chr15:55015128-55072152	22.0416	21.3752	-0.0443	0.458722
<i>Ccdc134</i>	chr15:82127921-82142200	14.9701	14.3744	-0.0586	0.616090
<i>Naga</i>	chr15:82329531-82338826	12.5522	12.7264	0.0199	0.884233
<i>Bin2</i>	chr15:100641076-100669553	205.5342	199.2814	-0.0446	0.554360
<i>Mfsd5</i>	chr15:102279455-102281744	16.2922	16.4118	0.0106	0.777217
<i>Kctd6</i>	chr14:8214147-8223567	3.6269	3.6994	0.0286	0.807766

<i>Trav17</i>	chr14:53806524-53807113	3.7673	3.4691	-0.1190	0.603670
<i>Micu2</i>	chr14:57916279-57999262	35.7843	35.8503	0.0027	0.956342
<i>Esd</i>	chr14:74732296-74750765	18.1933	17.5142	-0.0549	0.626145
<i>Igf2r</i>	chr17:12682405-12769664	36.3462	36.6203	0.0108	0.927325
<i>Gm26873</i>	chr17:17389942-17395303	6.4079	6.1505	-0.0591	0.444526
<i>Zfp53</i>	chr17:21491255-21509764	42.6229	41.2294	-0.0480	0.532329
<i>Wdr24</i>	chr17:25823626-25828730	16.4971	15.9188	-0.0515	0.607116
<i>Hba-ps4</i>	chr17:26286362-26287061	2.7203	2.9299	0.1070	0.748710
<i>Bnip1</i>	chr17:26781078-26792565	4.7559	4.8114	0.0167	0.889319
<i>Zfp955b</i>	chr17:33289648-33303196	7.1794	6.8402	-0.0698	0.654108
<i>Vars2</i>	chr17:35655633-35667592	9.3395	8.9901	-0.0550	0.650323
<i>H2-T10</i>	chr17:36115875-36121465	12.6316	12.2335	-0.0462	0.373912
<i>AY036118</i>	chr17:39848102-39848827	597.5402	630.5397	0.0776	0.822638
<i>Gm16276</i>	chr17:56014282-56014544	4.8373	5.1973	0.1036	0.717750
<i>Tnfsf14</i>	chr17:57189491-57194189	6.0222	5.6880	-0.0824	0.729222
<i>Slc30a6</i>	chr17:74395607-74424229	8.9647	8.5709	-0.0648	0.632118
<i>Gm17315</i>	chr17:79354698-79358022	1.1221	1.0431	-0.1054	0.619312
<i>Atp13a3</i>	chr16:30312422-30388837	21.1770	20.4630	-0.0495	0.635218
<i>Gm15518</i>	chr16:49758575-49798870	1.2217	1.2813	0.0687	0.814054
<i>Kcnj15</i>	chr16:95257557-95300260	0.1389	0.1495	0.1055	0.741583
<i>Ankrd13d</i>	chr19:4270179-4283137	4.1586	3.9799	-0.0634	0.433308
<i>Rtn3</i>	chr19:7425900-7483289	13.1216	13.2669	0.0159	0.910127
<i>Atf3</i>	chr19:7494039-7538608	17.0661	16.5119	-0.0476	0.609432
<i>Pla2g16</i>	chr19:7557458-7588545	9.6006	9.2520	-0.0534	0.642222
<i>Dtx4</i>	chr19:12466340-12501996	3.2601	3.3003	0.0177	0.888225
<i>Rfk</i>	chr19:17394042-17401349	12.6120	12.8177	0.0233	0.867582
<i>Nmrk1</i>	chr19:18631949-18652194	4.0416	3.8464	-0.0714	0.691657
<i>Cstf2t</i>	chr19:31082840-31086590	34.3728	34.5315	0.0066	0.925722
<i>Pf1e1</i>	chr19:38481108-38785030	0.3507	0.3281	-0.0959	0.680977
<i>Xpnpep1</i>	chr19:52943416-53040214	5.6499	5.4705	-0.0465	0.290876
<i>Rb1cc1</i>	chr1:6206196-6276648	16.5232	16.6068	0.0073	0.921939
<i>1700034P13Rik</i>	chr1:9747647-9791922	5.7787	5.5313	-0.0631	0.572593
<i>Ly96</i>	chr1:16688455-16709605	1.7222	1.5465	-0.1552	0.655704
<i>B3gat2</i>	chr1:23761752-23849158	5.5995	5.6663	0.0171	0.883219
<i>Hibch</i>	chr1:52845012-52920986	12.1954	11.7104	-0.0586	0.602319
<i>Mpp4</i>	chr1:59120935-59163389	0.7493	0.6926	-0.1136	0.619968
<i>Ino80d</i>	chr1:62958417-63114667	9.4650	9.6401	0.0265	0.893619
<i>Hdac4</i>	chr1:91932756-92148393	17.9858	18.2826	0.0236	0.891381
<i>Ndufa10</i>	chr1:92439009-92473860	55.9784	56.3168	0.0087	0.917415
<i>Gorab</i>	chr1:163384908-163403641	5.7037	5.4420	-0.0678	0.634200
<i>Tmco1</i>	chr1:167308669-167333978	9.2622	8.8680	-0.0627	0.687194
<i>Hsd17b7</i>	chr1:169949534-169969241	2.9938	3.0597	0.0314	0.855420
<i>Angel2</i>	chr1:190925111-190946962	21.8721	21.2432	-0.0421	0.374542
<i>Gm15872</i>	chr1:193187374-193192011	14.5182	14.8779	0.0353	0.859153
<i>Tmem241</i>	chr18:11981302-12121480	6.2606	6.3203	0.0137	0.823155
<i>Brd8</i>	chr18:34598614-34624601	16.1763	16.2076	0.0028	0.957498
<i>Nrg2</i>	chr18:36017706-36197380	0.6500	0.6835	0.0725	0.707455
<i>Mcc</i>	chr18:44425060-44812182	0.2988	0.3166	0.0835	0.777097
<i>Csnk1a1</i>	chr18:61555273-61590061	50.4382	48.9799	-0.0423	0.500944
<i>Gm10524</i>	chr18:82692948-82706174	2.5291	2.6215	0.0518	0.847198
<i>Tmx3</i>	chr18:90510153-90543267	28.5093	28.7736	0.0133	0.901455
<i>Kin</i>	chr2:10080592-10092806	23.4264	23.6084	0.0112	0.854205
<i>Neb1</i>	chr2:17343908-17731464	0.2259	0.2086	-0.1149	0.731922
<i>Phpt1</i>	chr2:25573429-25575224	12.3366	12.6458	0.0357	0.860987
<i>Rexo4</i>	chr2:26953562-26964386	25.9374	26.0202	0.0046	0.915113
<i>Gm13547</i>	chr2:29759311-29768998	0.2448	0.2672	0.1263	0.698694
<i>Pthr1</i>	chr2:32775785-32777597	1.6346	1.5046	-0.1195	0.593862
<i>Gm13443</i>	chr2:35340360-35341316	1.3814	1.4712	0.0909	0.677581
<i>Tll11</i>	chr2:35751240-35979913	0.2306	0.2023	-0.1887	0.737443
<i>Itga6</i>	chr2:71745615-71858416	21.3187	21.4175	0.0067	0.928634
<i>Lpcat4</i>	chr2:112239467-112247111	8.8679	8.5183	-0.0580	0.649818
<i>Capn3</i>	chr2:120456018-120504913	1.9037	1.8120	-0.0712	0.588783
<i>Pdia3</i>	chr2:121413774-121438687	75.4021	75.9800	0.0110	0.924309
<i>Ast1</i>	chr2:127338638-127357651	0.6131	0.5559	-0.1414	0.659849
<i>Myh7b</i>	chr2:155611211-155634307	0.5685	0.5331	-0.0927	0.683826
<i>Cnbd2</i>	chr2:156312298-156375638	4.8928	4.6541	-0.0722	0.700929
<i>5031434O11Rik</i>	chr3:51559756-51567117	3.5954	3.4483	-0.0602	0.564913
<i>Rplp0-ps1</i>	chr3:93278140-93279073	1.1944	1.0648	-0.1658	0.761936
<i>Pdzk1</i>	chr3:96829283-96870926	1.4500	1.5051	0.0538	0.839174
<i>St7l</i>	chr3:104864502-104926860	6.1711	6.2259	0.0128	0.859403
<i>Amigo1</i>	chr3:108186334-108192286	1.1259	1.1634	0.0472	0.818670

<i>Slc35a3</i>	chr3:116669468-116712831	6.9098	6.6955	-0.0454	0.443911
<i>Plekhf2</i>	chr4:10988661-11007927	14.0597	13.5871	-0.0493	0.481675
<i>Rmrp</i>	chr4:43492787-43493058	12380.0601	12675.8924	0.0341	0.889255
<i>Gm25687</i>	chr4:54468332-54468611	18.9432	21.0179	0.1499	0.765579
<i>Dennd4c</i>	chr4:86748554-86850603	21.5012	20.7112	-0.0540	0.676491
<i>Ttc4</i>	chr4:106662255-106678944	18.1077	18.2162	0.0086	0.903377
<i>C530005A16Rik</i>	chr4:116589732-116597630	10.2392	9.8640	-0.0539	0.543433
<i>Ppp1r8</i>	chr4:132826928-132843169	25.4732	25.6781	0.0116	0.902983
<i>Stx12</i>	chr4:132853500-132884509	11.9981	11.5680	-0.0527	0.622945
<i>Gm13248</i>	chr4:146610960-146658160	1.9637	1.8194	-0.1101	0.718153
<i>Plod1</i>	chr4:147909752-147936767	0.9578	0.9055	-0.0811	0.603119
<i>Tas1r3</i>	chr4:155859267-155863362	2.6867	2.5704	-0.0638	0.487162
<i>Gm24507</i>	chr13:90098980-90099114	5.7776	6.2777	0.1198	0.758318
<i>C030010L15Rik</i>	chr16:97994600-97997419	1.3464	1.1814	-0.1886	0.657804
<i>Gm10912</i>	chr2:104065825-104067486	0.4976	0.4233	-0.2333	0.745269
<i>Gm13940</i>	chr2:112389196-112389497	3.5914	3.1721	-0.1791	0.709809
<i>NA</i>	chr4:119733795-119736768	0.2458	0.2731	0.1520	0.750398
<i>Gm11361</i>	chr13:28257635-28258094	9.4905	9.9690	0.0710	0.820585
<i>Atp6v1h</i>	chr1:5083172-5162549	35.7046	34.4885	-0.0500	0.605886
<i>Gm17711</i>	chr10:18011267-18011505	161.6093	154.8844	-0.0613	0.705198
<i>Fam26f</i>	chr10:34126068-34127972	14.1055	13.4385	-0.0699	0.682957
<i>Thap2</i>	chr10:115369965-115384435	6.9318	6.6587	-0.0580	0.677291
<i>Irgm1</i>	chr11:48861967-48871683	35.8279	34.3466	-0.0609	0.729886
<i>Gpx3</i>	chr11:54902452-54910377	1.8478	1.7372	-0.0891	0.659898
<i>Rap1gap2</i>	chr11:74383355-74590186	5.4349	5.1659	-0.0732	0.768594
<i>Sept4</i>	chr11:87568902-87590539	0.9692	0.9057	-0.0979	0.559584
<i>Kat7</i>	chr11:95274258-95310246	23.3875	23.4047	0.0011	0.976186
<i>Spop</i>	chr11:95414079-95493406	18.7732	18.1823	-0.0461	0.477120
<i>Psm3</i>	chr11:97703398-97713500	15.5019	14.9028	-0.0569	0.634112
<i>Anapc11</i>	chr11:120598420-120608198	6.5508	6.3230	-0.0511	0.545871
<i>Asap2</i>	chr12:21111747-21270171	2.6538	2.5282	-0.0700	0.732596
<i>Gm26517</i>	chr12:51888014-51889459	15.7235	15.0376	-0.0644	0.664887
<i>Gm2800</i>	chr12:107183554-107186734	2.8848	3.0641	0.0870	0.759445
<i>Mboat1</i>	chr13:30136497-30246717	9.7879	9.3528	-0.0656	0.716495
<i>Cast</i>	chr13:74694285-74807921	76.6944	76.7716	0.0015	0.977523
<i>Gjm2</i>	chr13:97137936-97181195	11.2884	10.9482	-0.0441	0.512654
<i>Gm17509</i>	chr13:117218700-117221075	18.7728	17.9416	-0.0653	0.719512
<i>Gm15610</i>	chr5:8971947-8972142	4.5059	4.9366	0.1317	0.815558
<i>Cdk5</i>	chr5:24418249-24423530	14.6634	14.1826	-0.0481	0.334686
<i>Nipal1</i>	chr5:72647795-72671078	7.7392	7.7994	0.0112	0.887476
<i>C530008M17Rik</i>	chr5:76657682-76873554	0.5027	0.4689	-0.1004	0.740376
<i>Gm9958</i>	chr5:90367203-90368487	5.2161	5.3439	0.0349	0.819909
<i>Hnrnpd</i>	chr5:99958425-99978938	17.1003	17.2393	0.0117	0.915020
<i>Klh8</i>	chr5:103861972-103911259	2.2577	2.1428	-0.0753	0.686920
<i>Zfp951</i>	chr5:104814342-104828957	5.3900	5.0099	-0.1055	0.795499
<i>Gak</i>	chr5:108569410-108629739	42.9461	41.6950	-0.0427	0.570989
<i>Mvk</i>	chr5:114444268-114460591	3.3526	3.1872	-0.0730	0.655461
<i>Cux1</i>	chr5:136248134-136567490	7.2256	7.2585	0.0066	0.931260
<i>NA</i>	chr5:136345883-136350231	0.9325	0.8766	-0.0893	0.708306
<i>Cul1</i>	chr6:47453397-47526139	34.1730	34.2428	0.0029	0.955388
<i>B230319C09Rik</i>	chr6:83441754-83448322	3.1184	3.2321	0.0517	0.868913
<i>Csgalnact2</i>	chr6:118107451-118139140	6.8001	6.8869	0.0183	0.887316
<i>Lpar5</i>	chr6:125067919-125082472	3.7954	3.9251	0.0485	0.847930
<i>Cd3eap</i>	chr7:19356848-19359483	13.3416	12.7305	-0.0676	0.712284
<i>Zfp526</i>	chr7:25221450-25227507	12.0894	11.6953	-0.0478	0.561298
<i>Cyp2t4</i>	chr7:27153713-27158668	1.3746	1.4399	0.0670	0.669804
<i>Supt5</i>	chr7:28314897-28338719	57.1493	55.2926	-0.0476	0.626688
<i>Taf10</i>	chr7:105739392-105744361	37.8585	36.7674	-0.0422	0.445715
<i>Mak16</i>	chr8:31159467-31168724	85.9378	86.2283	0.0049	0.940439
<i>Acs1</i>	chr8:46471040-46536051	1.3854	1.4096	0.0250	0.853644
<i>Cmtm3</i>	chr8:104340593-104347672	2.8066	2.8978	0.0461	0.791187
<i>Sdr42e1</i>	chr8:117661398-117673689	2.1253	2.0195	-0.0736	0.544248
<i>Zfp846</i>	chr9:20581324-20595194	6.6367	6.3985	-0.0527	0.454243
<i>1700084C06Rik</i>	chr9:21091754-21128393	13.0682	13.2796	0.0231	0.760194
<i>Acsbg1</i>	chr9:54604876-54661870	8.1215	8.2351	0.0201	0.897118
<i>Gata1</i>	chrX:7959259-7978071	1.3205	1.3724	0.0556	0.734666
<i>Ocr1</i>	chrX:47912386-47965868	1.4161	1.4477	0.0319	0.861062
<i>Hprt</i>	chrX:52988136-53021659	64.3201	62.0068	-0.0528	0.646625
<i>Dkc1</i>	chrX:75095853-75109777	39.8552	40.0226	0.0060	0.929518
<i>Gm20489</i>	chrX:101261404-101269023	154.2709	154.9848	0.0067	0.942190
<i>Morf4l2</i>	chrX:136732941-136743690	12.2472	12.4057	0.0185	0.892146

<i>Fam134b</i>	chr15:25843263-25973687	34.7568	33.4874	-0.0537	0.689275
<i>Zfp623</i>	chr15:75940951-75949377	6.7849	6.5350	-0.0541	0.449205
<i>Cyhr1</i>	chr15:76643394-76660117	12.4539	12.0526	-0.0472	0.546160
<i>Myh9</i>	chr15:77760586-77842175	277.1284	268.8540	-0.0437	0.585111
<i>Gm22077</i>	chr15:80080250-80080343	35.5447	32.7852	-0.1166	0.731553
<i>Rpp14</i>	chr14:8080366-8091834	13.5596	13.6472	0.0093	0.902723
<i>Samd8</i>	chr14:21750530-21798725	4.1424	4.0009	-0.0502	0.536553
<i>Zcchc24</i>	chr14:25711639-25768856	0.7580	0.7081	-0.0982	0.703858
<i>Gnl3</i>	chr14:31012433-31019089	67.3784	64.9244	-0.0535	0.671359
<i>Snord19</i>	chr14:31016205-31016281	43.5187	40.1736	-0.1154	0.727895
<i>Traj28</i>	chr14:54191660-54191725	71.4527	66.8489	-0.0961	0.701596
<i>Pspc1</i>	chr14:56722440-56778316	16.0755	16.1398	0.0058	0.930701
<i>4931440J10Rik</i>	chr14:62760500-62830126	2.8277	2.6318	-0.1036	0.572603
<i>Snora20</i>	chr17:12922789-12922917	11.2525	10.2747	-0.1311	0.651223
<i>Pacsin1</i>	chr17:27655508-27711106	9.1861	8.7758	-0.0659	0.721043
<i>Zfp119b</i>	chr17:55938552-55945174	2.5642	2.3924	-0.1001	0.671531
<i>Kdm4b</i>	chr17:56326061-56402870	16.9761	16.4781	-0.0430	0.507053
<i>Birc6</i>	chr17:74528294-74703773	42.4389	41.1456	-0.0447	0.605592
<i>Gm16892</i>	chr16:57167400-57174413	3.9436	3.7388	-0.0769	0.625067
<i>Psmg1</i>	chr16:95979932-95990960	17.0657	17.3375	0.0228	0.885758
<i>Gm25822</i>	chr19:8888537-8888685	21.5552	22.2518	0.0459	0.754632
<i>Vti1a</i>	chr19:55316350-55626561	12.0449	11.6246	-0.0512	0.651253
<i>Mfsd9</i>	chr1:40772037-40790687	0.7173	0.7457	0.0559	0.827700
<i>8430432A02Rik</i>	chr1:43092587-43093835	1.2941	1.1725	-0.1424	0.646549
<i>Nbeal1</i>	chr1:60180598-60338328	6.4187	6.1947	-0.0513	0.686707
<i>Nhej1</i>	chr1:74967138-75046639	5.2391	4.9653	-0.0775	0.598478
<i>NA</i>	chr1:87796466-87796817	3.6431	3.8666	0.0859	0.716058
<i>Ube2t</i>	chr1:134962564-134974162	4.2825	4.4000	0.0390	0.853098
<i>Klhdc9</i>	chr1:171358445-171360798	1.5178	1.3954	-0.1213	0.742820
<i>Gm26407</i>	chr18:12961498-12961805	2.6144	2.3324	-0.1647	0.524491
<i>Snora74a</i>	chr18:35557031-35557227	1087.7541	1135.6596	0.0622	0.839516
<i>Eij4ebp3</i>	chr18:36664059-36665917	19.8119	20.0624	0.0181	0.867105
<i>Gm23205</i>	chr18:38297938-38298041	8.3112	7.4389	-0.1600	0.737691
<i>Wdr7</i>	chr18:63708694-63989760	9.9717	9.6642	-0.0452	0.551063
<i>Slc2a6</i>	chr2:27021362-27027998	0.7035	0.6484	-0.1178	0.715732
<i>Lrsam1</i>	chr2:32925215-32961614	2.2247	2.2658	0.0264	0.863730
<i>Gm13477</i>	chr2:44788264-44790951	1.5802	1.6511	0.0633	0.842268
<i>Rapgef4</i>	chr2:71981239-72257474	20.0278	20.1057	0.0056	0.943036
<i>E030042O20Rik</i>	chr2:75704769-75710024	2.6826	2.5208	-0.0898	0.637902
<i>Nup160</i>	chr2:90677214-90736328	8.5007	8.2341	-0.0460	0.574818
<i>Stard9</i>	chr2:120629125-120731897	1.1814	1.1393	-0.0524	0.508891
<i>1500011K16Rik</i>	chr2:127791387-127792488	12.6616	12.9594	0.0335	0.854582
<i>Gm26681</i>	chr2:150748280-150750762	2.0676	1.9341	-0.0963	0.392406
<i>Abhd12</i>	chr2:150832492-150904741	16.3642	15.8568	-0.0454	0.454568
<i>Uckl1os</i>	chr2:181578479-181585170	10.2507	9.8270	-0.0609	0.690819
<i>Prkab2</i>	chr3:97658192-97673812	3.0131	3.0665	0.0253	0.861708
<i>Gm26530</i>	chr3:116488965-116493358	3.6012	3.6573	0.0223	0.836512
<i>Dnajb4</i>	chr3:152178510-152210279	5.8296	5.9429	0.0278	0.866181
<i>Chchd7</i>	chr4:3938887-3951046	5.8099	5.8632	0.0132	0.876203
<i>Gm26663</i>	chr4:11321943-11342953	0.4979	0.4365	-0.1900	0.727563
<i>Ago1</i>	chr4:126435011-126468583	10.0301	9.7035	-0.0478	0.646322
<i>Gm12992</i>	chr4:131899477-131920029	7.0316	6.7520	-0.0585	0.710581
<i>Gm13205</i>	chr4:148947491-148948914	2.4131	2.5765	0.0945	0.656406
<i>Aurkaip1</i>	chr4:155831271-155833130	34.6582	35.1038	0.0184	0.897066
<i>Gm13834</i>	chr6:31087608-31087912	5.6133	4.8327	-0.2160	0.747060
<i>Gm25596</i>	chr10:29349584-29349691	18.6059	19.5215	0.0693	0.697887
<i>Gm26564</i>	chr10:34295911-34298907	12.4889	12.5639	0.0086	0.917366
<i>Cd24a</i>	chr10:43579168-43584262	1.8519	1.7220	-0.1049	0.688167
<i>Mier2</i>	chr10:79540244-79555199	7.7573	7.4782	-0.0529	0.643568
<i>Pwwp2a</i>	chr11:43681997-43721491	8.0958	8.1614	0.0116	0.888742
<i>Zfp62</i>	chr11:49203291-49218816	37.6145	37.7220	0.0041	0.950563
<i>Nlk</i>	chr11:78567167-78697373	29.3088	29.3937	0.0042	0.945171
<i>Xylt2</i>	chr11:94663850-94677515	18.5710	18.0108	-0.0442	0.512991
<i>Phb</i>	chr11:95666956-95680773	7.3480	7.4334	0.0167	0.878937
<i>Fads6</i>	chr11:115279621-115297663	0.4910	0.4533	-0.1153	0.775294
<i>Ccdc71l</i>	chr12:32378788-32382943	14.9982	14.4929	-0.0494	0.609873
<i>Gm5436</i>	chr12:84258331-84258973	2.1622	2.3023	0.0905	0.805224
<i>Slc25a47</i>	chr12:108851128-108856814	1.1803	1.2371	0.0677	0.805971
<i>Ero1lb</i>	chr13:12565882-12609526	6.0775	6.1259	0.0114	0.899879
<i>Gm16907</i>	chr13:63289600-63297147	17.3290	16.6701	-0.0559	0.686668
<i>A830009L08Rik</i>	chr13:91368987-91388085	0.5498	0.5076	-0.1151	0.655994

Gm26931	chr5:34481913-34482522	2.3226	2.4795	0.0943	0.752130
Brap	chr5:121660562-121687248	23.2231	23.2487	0.0016	0.969320
P2rx4	chr5:122707583-122729738	5.7527	5.5390	-0.0546	0.617290
Gm15903	chr5:129727045-129728385	4.2503	4.4812	0.0763	0.624242
Zkscan14	chr5:145194945-145201868	13.7347	13.8782	0.0150	0.893407
Trbj2-1	chr6:41542753-41542803	113.2439	107.2650	-0.0783	0.656885
Capg	chr6:72544390-72562983	5.1208	5.1892	0.0191	0.871730
Tyropb	chr7:30413787-30417577	5.4792	5.7015	0.0574	0.856253
Igf1r	chr7:67952858-68226780	1.1673	1.2036	0.0442	0.813880
2510016G02Rik	chr7:132889488-132931375	1.4634	1.3287	-0.1393	0.720141
Angpt2	chr8:18690262-18741562	1.7308	1.8095	0.0641	0.877026
Ell	chr8:70539674-70592858	10.4197	10.5980	0.0245	0.896657
Gm24455	chr9:15313801-15313932	17.3435	15.9599	-0.1199	0.736757
Gm16845	chr9:22071031-22086122	6.3026	6.4484	0.0330	0.845263
Ubl7	chr9:57910985-57929968	15.0815	15.2898	0.0198	0.873522
Elovl5	chr9:77917363-77984519	82.1995	82.5180	0.0056	0.936609
Mb21d1	chr9:78430525-78443237	3.1900	3.2364	0.0208	0.857832
Myo10	chr15:25622524-25813673	0.1990	0.2082	0.0650	0.706500
Rbx1	chr15:81466315-81476369	24.3380	24.6716	0.0196	0.890270
Parvg	chr15:84324025-84342978	48.1307	46.4567	-0.0511	0.636228
Map3k4	chr17:12227620-12318660	14.8894	14.4471	-0.0435	0.538980
Rnps1	chr17:24414674-24425895	15.3776	14.8343	-0.0519	0.559338
Tatbp	chr17:33915898-33929288	110.6033	111.0675	0.0060	0.955154
Alg3	chr16:20605450-20610768	9.0970	9.2123	0.0182	0.795638
Poglut1	chr16:38525136-38550258	11.8742	11.4882	-0.0477	0.525342
Ccs	chr19:4825365-4839322	22.0028	22.2460	0.0159	0.880683
Taf6l	chr19:8774353-8786417	4.6645	4.7048	0.0124	0.880462
Pcna-ps2	chr19:9283237-9284494	0.7678	0.8271	0.1072	0.759763
Avpi1	chr19:42123272-42129059	3.6146	3.3861	-0.0942	0.714657
Hps1	chr19:42755104-42779978	7.2793	7.3465	0.0133	0.913147
9130011E15Rik	chr19:45818143-45998488	4.6792	4.7567	0.0237	0.838253
Ppil3	chr1:58430993-58445486	22.9658	23.1748	0.0131	0.900080
G730003C15Rik	chr1:59119832-59122139	0.5950	0.5483	-0.1179	0.304496
Ptprn	chr1:75247040-75264208	0.2141	0.1922	-0.1557	0.738189
Gm15427	chr1:95498583-95499187	9.0174	8.4521	-0.0934	0.717377
Ccnt2	chr1:127774163-127808061	18.3156	17.7454	-0.0456	0.614030
Gm24489	chr1:161037600-161037681	88.3196	90.7639	0.0394	0.862482
Ly9	chr1:171588623-171607410	74.9659	72.4272	-0.0497	0.644065
Gm16147	chr18:5611557-5611836	5.2350	4.6764	-0.1628	0.765603
Surf1	chr2:26913382-26916530	33.2468	33.3544	0.0047	0.935180
Sh3glb2	chr2:30344808-30359337	21.3268	20.7043	-0.0427	0.434100
BC052040	chr2:115581715-115778768	0.9221	0.9510	0.0445	0.746975
Ptptra	chr2:130450277-130554026	31.8195	31.8401	0.0009	0.982623
Crnk1	chr2:145917478-145935014	24.7580	24.9266	0.0098	0.920692
Pabpc1l	chr2:164025449-164050538	0.3884	0.4184	0.1072	0.703764
Ttc14	chr3:33799954-33814860	43.8514	42.4889	-0.0455	0.626938
Ccdc39	chr3:33812361-33844310	3.7255	3.7892	0.0245	0.886247
Ppm1l	chr3:69316860-69560802	0.9239	0.8767	-0.0756	0.705853
Cyb5rl	chr4:107066987-107088268	2.6062	2.4994	-0.0603	0.670094
Pithd1	chr4:135975459-135987264	13.9550	14.0470	0.0095	0.879502
Pln	chr10:53337685-53345999	0.5123	0.5489	0.0995	0.826491
Gal3st4	chr5:138264920-138272840	2.0340	1.9261	-0.0786	0.694111
Stap1	chr5:86071745-86103993	19.7307	19.0789	-0.0485	0.623622
Hook2	chr8:84990594-85003364	2.6307	2.4987	-0.0743	0.680201
Atp5f1	chr3:105942697-105960099	31.5252	31.8039	0.0127	0.914917
Afap1	chr5:35893318-36003923	1.8383	1.8581	0.0155	0.820035
Zfp330	chr8:82763620-82774160	25.4768	25.6260	0.0084	0.920200
Zfp26	chr9:20432971-20460162	19.1833	19.2456	0.0047	0.943506
Dmxl1	chr18:49832669-49965473	12.7259	12.3177	-0.0470	0.668934
Hmgn2	chr4:133964737-133968650	3.0653	2.9116	-0.0742	0.656079
Cd8a	chr6:71373426-71379171	343.8724	333.1614	-0.0457	0.600233
Zmynd11	chr13:9684835-9765321	29.2750	28.5158	-0.0379	0.286574
Asic3	chr5:24413450-24417834	1.5253	1.5857	0.0560	0.753250
Rhno1	chr6:128356999-128362911	17.0362	17.1603	0.0105	0.913095
Gm26536	chr14:62836907-62838207	0.7952	0.8644	0.1205	0.770127
Donson	chr16:91677267-91688765	32.7607	31.7629	-0.0446	0.600382
Gm2531	chr18:10145452-10145965	7.2493	6.8130	-0.0895	0.764826
Acox1	chr2:127838875-128123873	1.9415	1.8189	-0.0941	0.780095
Pinr	chr4:21847582-21876475	47.1459	45.9194	-0.0380	0.401774
Rab21	chr10:115289862-115315591	35.4292	34.2147	-0.0503	0.660477
Eci2	chr13:34977747-35027094	12.6567	12.1725	-0.0563	0.672224

<i>Rnpepl1</i>	chr1:92910782-92924384	8.2397	7.9280	-0.0556	0.727865
<i>Lyrrm2</i>	chr4:32800252-32801559	14.6777	14.9967	0.0310	0.873989
<i>Mir25</i>	chr5:138165320-138165404	17.9425	16.3790	-0.1315	0.646249
<i>Colq</i>	chr14:31523081-31591343	0.6310	0.6621	0.0696	0.850330
<i>Cacfd1</i>	chr2:27009925-27021089	3.1818	3.0293	-0.0708	0.717767
<i>Adh5</i>	chr3:138443092-138455499	41.3378	39.9196	-0.0504	0.649130
<i>Dpy19l4</i>	chr4:11261314-11322137	5.1595	4.9811	-0.0508	0.667498
<i>Rps6ka1</i>	chr4:133847289-133887797	48.5246	48.7201	0.0058	0.950673
<i>Micu3</i>	chr8:40307457-40386308	3.9552	3.8047	-0.0560	0.707059
<i>Gng5</i>	chr3:146499833-146505572	15.4697	14.9133	-0.0528	0.635296
<i>Tle2</i>	chr10:81574560-81590845	0.2515	0.2298	-0.1303	0.705702
<i>Pvt1</i>	chr15:62037985-62378096	3.9641	3.9928	0.0104	0.903111
<i>Cat</i>	chr2:103453848-103485160	38.9772	39.1412	0.0061	0.931271
<i>Gm12870</i>	chr4:107327483-107328499	0.9850	1.0740	0.1248	0.845283
<i>Efemp2</i>	chr19:5473972-5481853	1.3782	1.4227	0.0458	0.769977
<i>Ddx47</i>	chr6:135011611-135023776	20.0616	19.4719	-0.0430	0.478353
<i>Psm5</i>	chr3:108256925-108279974	10.9458	10.4560	-0.0660	0.668173
<i>Hsp90aa1</i>	chr12:110690604-110702728	20.1732	20.4874	0.0223	0.905974
<i>Fgfr1l</i>	chr5:108694228-108706950	0.4494	0.4775	0.0873	0.803140
<i>Prrc2b</i>	chr2:32151081-32234537	21.2507	20.3756	-0.0607	0.766036
<i>Lamtor3</i>	chr3:137918525-137928765	19.2596	19.3680	0.0081	0.904867
<i>Twsg1</i>	chr17:65923065-65951187	7.7628	7.8198	0.0106	0.917568
<i>Slc39a13</i>	chr2:91061790-91070417	3.3101	3.1754	-0.0600	0.706054
<i>Gjod1</i>	chr13:43195518-43304172	3.5187	3.3672	-0.0635	0.721968
<i>Gm16153</i>	chr10:4409032-4423369	2.2132	2.2536	0.0260	0.845348
<i>Gm15122</i>	chr10:80282443-80283006	5.8677	6.1728	0.0731	0.856704
<i>Nol10</i>	chr12:17348457-17430094	7.4959	7.5678	0.0138	0.878744
<i>Gtf2h2</i>	chr13:100460217-100492579	6.9959	6.7421	-0.0533	0.604772
<i>Tmem147</i>	chr7:30727700-30729534	33.3905	33.7351	0.0148	0.895293
<i>Usp10</i>	chr8:119910359-119957560	13.3993	12.9788	-0.0460	0.616728
<i>Ube2q2</i>	chr9:55148853-55207529	7.0326	7.0682	0.0073	0.911819
<i>Pla2g6</i>	chr15:79286227-79328390	1.8644	1.7795	-0.0672	0.638408
<i>Naa60</i>	chr16:3872374-3904770	21.3863	21.4297	0.0029	0.966745
<i>Gm14963</i>	chr19:6268794-6276605	0.4910	0.4424	-0.1505	0.692935
<i>Cyb5a</i>	chr18:84851337-84880401	47.6767	45.6773	-0.0618	0.748308
<i>Polr3f</i>	chr2:144527717-144541995	10.8240	10.4978	-0.0442	0.502361
<i>Klf3b</i>	chr2:153291412-15333390	16.8522	16.3583	-0.0429	0.478486
<i>Accs2os</i>	chr2:155547039-155556930	10.5141	9.8673	-0.0916	0.753850
<i>6330416G13Rik</i>	chr4:63558780-63586357	10.1599	9.8404	-0.0461	0.489083
<i>Supv3l1</i>	chr10:62429208-62449738	13.8784	13.9043	0.0027	0.949416
<i>Gm16315</i>	chr10:81301700-81302917	1.1844	1.0604	-0.1595	0.769194
<i>Cfap54</i>	chr10:92775618-93081618	0.0492	0.0531	0.1113	0.823152
<i>Cep83os</i>	chr10:94673492-94688613	5.2717	5.3147	0.0117	0.918018
<i>Igtp</i>	chr11:58199555-58207591	149.1171	143.6891	-0.0535	0.719941
<i>Gm11646</i>	chr11:106051150-106051852	16.5027	15.6172	-0.0796	0.659885
<i>St6galnac2</i>	chr11:116675302-116694868	1.4172	1.3576	-0.0620	0.643172
<i>Ppm1a</i>	chr12:72761210-72794940	32.3318	31.3414	-0.0449	0.571781
<i>Btbd6</i>	chr12:112976481-112978930	22.4242	21.7008	-0.0473	0.624690
<i>Ywhah</i>	chr5:33018815-33027966	17.4916	17.6221	0.0107	0.902332
<i>Nup54</i>	chr5:92415539-92435219	13.6174	13.1553	-0.0498	0.623371
<i>Gbas</i>	chr5:129725062-129758327	13.3941	13.4470	0.0057	0.931836
<i>Zfp786</i>	chr6:47819265-47830867	0.2405	0.2584	0.1038	0.753911
<i>Gimap1os</i>	chr6:48738345-48740621	39.5616	38.2201	-0.0498	0.658949
<i>Slc25a26</i>	chr6:94500313-94604648	3.7842	3.6071	-0.0692	0.626646
<i>Tatdn2</i>	chr6:113697049-113711069	49.1073	47.8139	-0.0385	0.425607
<i>Thsd1</i>	chr8:22227312-22261334	0.1857	0.1661	-0.1606	0.624845
<i>Pcm1</i>	chr8:41239758-41334086	23.9701	23.2779	-0.0423	0.594692
<i>Ets1</i>	chr9:32696041-32757820	500.5577	487.5428	-0.0380	0.438066
<i>Hykk</i>	chr9:54917282-54949924	0.1169	0.1278	0.1291	0.807084
<i>Msl2</i>	chr9:101074726-101104784	42.9901	43.1430	0.0051	0.949889
<i>Zfp182</i>	chrX:21028938-21062316	11.4639	10.9960	-0.0601	0.753694
<i>Atp6ap1</i>	chrX:74297096-74304721	40.8174	39.7177	-0.0394	0.342187
<i>Skp2</i>	chr15:9111984-9140451	1.5944	1.5278	-0.0616	0.574182
<i>Gm17638</i>	chr15:77961673-77967126	26.4432	25.7023	-0.0410	0.449497
<i>Cyth4</i>	chr15:78597046-78622019	99.3817	99.9496	0.0082	0.940280
<i>Bcdin3d</i>	chr15:99470083-99474730	8.9514	9.0502	0.0158	0.817028
<i>Csrnp2</i>	chr15:100479569-100495239	5.2468	5.0546	-0.0538	0.626948
<i>Flywch1</i>	chr17:23755422-23771591	8.5228	8.2202	-0.0521	0.591427
<i>Ager</i>	chr17:34597861-34600934	1.7728	1.8448	0.0574	0.812779
<i>NA</i>	chr16:36875140-36875638	1.6956	1.5031	-0.1738	0.763264
<i>Rcan1</i>	chr16:92391952-92466146	2.5402	2.5987	0.0328	0.837716

<i>Bbip1</i>	chr19:53929676-53944627	40.3631	40.5834	0.0079	0.927430
<i>Sumo1</i>	chr1:59639433-59670834	20.0401	20.4494	0.0292	0.890935
<i>Bmpr2</i>	chr1:59764278-59870549	0.7308	0.7659	0.0677	0.815812
<i>Ptprv</i>	chr1:135108496-135132594	0.9036	0.9297	0.0411	0.869130
<i>Gm15443</i>	chr1:149025227-149026047	3.2535	3.0380	-0.0989	0.638782
<i>Nenf</i>	chr1:191306788-191318194	4.0442	4.2489	0.0712	0.841311
<i>Psmg2</i>	chr18:67641598-67654162	26.0213	24.9560	-0.0603	0.693621
<i>Endog</i>	chr2:30171492-30174069	14.7374	14.1506	-0.0586	0.640606
<i>Gm14165</i>	chr2:152353614-152354566	1.1363	1.2235	0.1067	0.798847
<i>Cebpb</i>	chr2:167688914-167690418	3.7374	3.8700	0.0503	0.863504
<i>Egf</i>	chr3:129677574-129755322	0.8157	0.8386	0.0399	0.843811
<i>Slc35d1</i>	chr4:103170648-103215164	2.0429	1.9545	-0.0638	0.679304
<i>Ube4bos3</i>	chr4:149334638-149335897	3.1876	3.3394	0.0671	0.851429
<i>Traj51</i>	chr14:54166238-54166281	16.4409	18.0302	0.1331	0.832149
<i>A13000612Rik</i>	chr2:22895320-22895736	2.7015	2.4304	-0.1526	0.723144
<i>Ttyh2</i>	chr11:114675430-114720977	0.1899	0.2055	0.1138	0.805511
<i>Tmem81</i>	chr1:132506229-132508637	7.4743	7.1524	-0.0635	0.716938
<i>Fam101b</i>	chr11:76019193-76027782	54.7491	53.0339	-0.0459	0.665330
<i>Fbxo31</i>	chr8:121549439-121578806	5.7300	5.5075	-0.0571	0.701184
<i>Hdac11</i>	chr6:91156664-91174692	0.2062	0.1859	-0.1496	0.720584
<i>Psemb1</i>	chr17:15475720-15498276	159.1796	161.2321	0.0185	0.908219
<i>Ints5</i>	chr19:8892986-8897890	10.1846	10.2793	0.0134	0.909971
<i>Ncdn</i>	chr4:126743749-126753438	15.3463	15.5362	0.0177	0.916718
<i>Alms1</i>	chr6:85587530-85702753	1.2061	1.2249	0.0223	0.907070
<i>Mapkapk5</i>	chr5:121518612-121545905	11.4374	11.4578	0.0026	0.954235
<i>Ccdc6</i>	chr10:70097120-70193200	12.5452	12.5980	0.0061	0.951864
<i>1810043G02Rik</i>	chr10:77978523-77986905	1.8322	1.8592	0.0211	0.884227
<i>Midn</i>	chr10:80148271-80158368	14.7094	14.8042	0.0093	0.934336
<i>Krr1</i>	chr10:111972663-111988432	25.0130	25.1121	0.0057	0.943747
<i>Kcnmb4os1</i>	chr10:116418051-116421237	2.6235	2.4452	-0.1015	0.692026
<i>Dctn2</i>	chr10:127266261-127281959	39.8181	38.6786	-0.0419	0.539338
<i>Akt2-ps</i>	chr11:16514532-16515981	1.6267	1.5049	-0.1124	0.702752
<i>0610010F05Rik</i>	chr11:23564960-23633639	3.6739	3.7075	0.0132	0.891992
<i>Tbc1d9b</i>	chr11:50131395-50172785	14.1025	14.1431	0.0041	0.961480
<i>Nle1</i>	chr11:82900767-82908411	9.4364	9.1273	-0.0480	0.548881
<i>Fam117a</i>	chr11:95337017-95381872	34.6943	34.7574	0.0026	0.970367
<i>Coa3</i>	chr11:101277967-101279114	30.4725	29.2771	-0.0577	0.681669
<i>Taco1</i>	chr11:106066060-106073612	8.5312	8.6575	0.0212	0.896845
<i>Myo15b</i>	chr11:115861611-115892603	0.1197	0.1088	-0.1371	0.501217
<i>Trib2</i>	chr12:15791726-15816877	46.7334	45.3013	-0.0449	0.631800
<i>Eapp</i>	chr12:54670339-54695897	10.8579	10.9700	0.0148	0.920950
<i>Rps6ka5</i>	chr12:100549777-100725028	5.2374	5.0453	-0.0539	0.645260
<i>Hrh2</i>	chr13:54192128-54222432	5.3131	5.4099	0.0260	0.905146
<i>Pdcd6</i>	chr13:74303120-74317326	52.5691	52.8780	0.0085	0.933033
<i>Nln</i>	chr13:104023438-104109614	6.2279	6.2679	0.0092	0.909056
<i>Nrf1</i>	chr6:30047987-30153458	9.2092	8.9694	-0.0381	0.219418
<i>Kdm3a</i>	chr6:71588973-71632905	45.7258	45.8333	0.0034	0.965161
<i>A430078102Rik</i>	chr6:86470804-86480830	1.3225	1.3772	0.0585	0.813818
<i>Vmn2r29</i>	chr7:7231326-7278289	0.4516	0.4853	0.1040	0.821835
<i>Mark4</i>	chr7:19426074-19458494	6.1040	5.8575	-0.0595	0.704394
<i>Zfp146</i>	chr7:30161273-30169727	39.7717	38.6034	-0.0430	0.500452
<i>Rbm42</i>	chr7:30640993-30650317	30.6512	29.5390	-0.0533	0.699408
<i>Gapdhs</i>	chr7:30729774-30743681	5.0327	4.8236	-0.0612	0.224878
<i>Gm16157</i>	chr7:68266338-68276594	5.1013	4.8546	-0.0715	0.669930
<i>Xrra1</i>	chr7:99859217-99917824	0.6572	0.6865	0.0628	0.779363
<i>Dnhd1</i>	chr7:105640561-105721799	2.1065	2.0370	-0.0484	0.543428
<i>Hsd3b7</i>	chr7:127785607-127803802	3.6795	3.7245	0.0175	0.910458
<i>Ap3m2</i>	chr8:22787353-22805654	15.6591	15.7204	0.0056	0.940422
<i>Erlin2</i>	chr8:27023798-27039433	9.0586	9.0989	0.0064	0.939565
<i>Gm10033</i>	chr8:69372144-69373383	5.1436	5.2993	0.0430	0.810181
<i>Gm10644</i>	chr8:83932328-83955205	4.8976	4.7050	-0.0579	0.639486
<i>Wdr83</i>	chr8:85075034-85081306	13.3823	13.4654	0.0089	0.931053
<i>Znrf1</i>	chr8:111536096-111626030	17.7887	17.2547	-0.0440	0.625508
<i>Msantd4</i>	chr9:4383534-4386861	12.8913	13.0550	0.0182	0.906861
<i>Ndufaf3</i>	chr9:108565865-108567342	12.6789	12.1601	-0.0603	0.600723
<i>Ltf</i>	chr9:111019291-111042766	0.5574	0.6753	0.2767	0.703184
<i>Gm14890</i>	chrX:59196962-59197638	1.3906	1.2568	-0.1459	0.787340
<i>Sms</i>	chrX:157443854-157492287	6.8372	6.9031	0.0138	0.907956
<i>Ext1</i>	chr15:53064037-53346159	4.8169	4.6587	-0.0482	0.631306
<i>9130401M01Rik</i>	chr15:58022275-58076425	16.5957	15.9412	-0.0580	0.705195
<i>Mief1</i>	chr15:80234079-80253366	13.3534	12.9511	-0.0441	0.618280

<i>Polr3h</i>	chr15:81915029-81926213	8.5148	8.1932	-0.0555	0.637115
<i>Socs4</i>	chr14:47276930-47296098	10.9312	11.0162	0.0112	0.927772
<i>Nupl1</i>	chr14:60219203-60251507	39.3899	39.4338	0.0016	0.977214
<i>Neil2</i>	chr14:63182442-63193541	0.6745	0.6136	-0.1365	0.699862
<i>Zfp395</i>	chr14:65358675-65398930	1.8423	1.9030	0.0467	0.877243
<i>Nme4</i>	chr17:26091733-26095508	6.5098	6.7454	0.0513	0.881191
<i>Gm17080</i>	chr17:45586119-45588377	11.2901	11.4421	0.0193	0.756094
<i>Foxp4</i>	chr17:47867132-47924645	2.7185	2.6011	-0.0637	0.743072
<i>Ccdc74a</i>	chr16:17646469-17650738	0.6993	0.6481	-0.1095	0.551231
<i>Gna14</i>	chr19:16435666-16610818	0.8375	0.8666	0.0492	0.775187
<i>Gm20616</i>	chr19:26620821-26623419	1.2370	1.3119	0.0847	0.701288
<i>Nfkb2</i>	chr19:46304736-46312090	20.4867	19.8811	-0.0433	0.495880
<i>Fbxl15</i>	chr19:46328183-46330446	2.2593	2.3484	0.0558	0.831238
<i>AA986860</i>	chr1:130731975-130744621	0.2627	0.2844	0.1146	0.789224
<i>Tiprl</i>	chr1:165214921-165236943	21.6716	20.9672	-0.0477	0.560655
<i>Gm26533</i>	chr18:31781225-31789045	10.0850	9.6991	-0.0563	0.692409
<i>Klf20a</i>	chr18:34624623-34633265	7.7255	7.8505	0.0232	0.914027
<i>Arap3</i>	chr18:37972623-37997574	0.3225	0.2901	-0.1527	0.793219
<i>Synpo</i>	chr18:60593972-60660142	0.1130	0.0994	-0.1842	0.748621
<i>Slc25a12</i>	chr2:71271062-71367749	14.3769	13.9781	-0.0406	0.445457
<i>Ube2e3</i>	chr2:78868123-78921293	3.0562	2.9326	-0.0595	0.643881
<i>n-R5s202</i>	chr2:112469252-112469366	7.5087	8.1652	0.1209	0.806298
<i>Strc</i>	chr2:121363727-121387168	0.2010	0.1569	-0.3569	0.713159
<i>Gmps</i>	chr3:63976105-64022579	10.7727	10.4408	-0.0452	0.612313
<i>Dclk2</i>	chr3:86786149-86920884	1.2504	1.1918	-0.0692	0.603487
<i>Prune</i>	chr3:95253673-95282076	4.9029	4.7260	-0.0530	0.602553
<i>Ap1ar</i>	chr3:127807263-127837492	35.4389	34.2489	-0.0493	0.687453
<i>5730508B09Rik</i>	chr3:127869687-127896323	51.0882	51.7051	0.0173	0.913862
<i>Prkacb</i>	chr3:146729578-146812960	83.8418	83.9678	0.0022	0.972493
<i>Chmp5</i>	chr4:40948406-40965303	40.0638	40.3334	0.0097	0.930055
<i>Vcp</i>	chr4:42979962-43000507	17.0919	16.6176	-0.0406	0.515211
<i>Stil</i>	chr4:115000158-115043196	0.4237	0.4416	0.0595	0.857363
<i>9930104L06Rik</i>	chr4:124937047-124944656	6.3171	6.1092	-0.0483	0.544334
<i>Masp2</i>	chr4:148602553-148615499	20.6269	19.9515	-0.0480	0.674353
<i>Hist1h2ae</i>	chr13:23570516-23571220	1.2936	1.1553	-0.1630	0.749623
<i>Traj1</i>	chr14:54218813-54218840	34.8975	31.2671	-0.1585	0.676841
<i>Ctnnbip1</i>	chr4:149518235-149566437	0.3835	0.4107	0.0989	0.851517
<i>Wfs1</i>	chr5:36966103-36988982	0.4048	0.4243	0.0680	0.823760
<i>Ywhaq</i>	chr12:21390070-21417637	14.7466	14.2826	-0.0461	0.582950
<i>Gm17039</i>	chr13:67360670-67365679	5.7630	5.8064	0.0108	0.913280
<i>Gpn1</i>	chr5:31494740-31512903	5.7720	5.5827	-0.0481	0.597101
<i>Golga3</i>	chr5:110176700-110226470	11.0387	10.7518	-0.0380	0.336972
<i>Oat</i>	chr7:132557474-132576398	25.4766	24.6122	-0.0498	0.669203
<i>Gm10701</i>	chr9:24341656-24418709	0.8364	0.9088	0.1199	0.721934
<i>Glra4</i>	chrX:136757673-136780141	0.8318	0.7678	-0.1154	0.643346
<i>Pnp</i>	chr14:50944301-50965237	7.7609	7.8095	0.0090	0.921777
<i>Zfp944</i>	chr17:22337988-22361400	14.4483	13.9371	-0.0520	0.710821
<i>Zfp955a</i>	chr17:33241518-33255040	9.8199	9.9735	0.0224	0.892502
<i>Gm24871</i>	chr1:171503047-171503163	68.2793	73.3067	0.1025	0.844170
<i>Gmeb1</i>	chr4:132221024-132261602	5.2907	5.1324	-0.0438	0.441695
<i>Nf2</i>	chr11:4765844-4849536	9.9213	9.9665	0.0066	0.940641
<i>Tmem256</i>	chr11:69838513-69839618	10.7223	10.2362	-0.0669	0.730977
<i>Dhx8</i>	chr11:101732918-101767358	23.2427	22.5816	-0.0416	0.550823
<i>Exoc7</i>	chr11:116288000-116307233	12.7618	12.3396	-0.0485	0.620234
<i>Ube2o</i>	chr11:116537739-116581447	3.7679	3.6230	-0.0566	0.734205
<i>Gaa</i>	chr11:119267886-119285454	5.6477	5.4338	-0.0557	0.712699
<i>NA</i>	chr12:69361184-69361481	3.6118	3.2962	-0.1319	0.737822
<i>Dcaf4</i>	chr12:83520465-83541988	12.1470	12.2164	0.0082	0.916654
<i>Inf2</i>	chr12:112588783-112615556	3.8988	3.7569	-0.0535	0.682207
<i>Oas1b</i>	chr5:120812634-120824163	17.9673	17.2219	-0.0611	0.741180
<i>Gm15751</i>	chr5:123508394-123514011	10.8056	10.4056	-0.0544	0.693286
<i>Nod1</i>	chr6:54923941-54972612	18.4122	18.6312	0.0171	0.932518
<i>Aldh1l1</i>	chr6:90486426-90600203	0.4988	0.5218	0.0652	0.832405
<i>Rps5</i>	chr7:12922289-12926686	795.6776	808.5081	0.0231	0.912339
<i>Mir343</i>	chr7:19386642-19386717	21.4422	22.5623	0.0735	0.761953
<i>Ctsd</i>	chr7:142371147-142388038	195.1202	195.1521	0.0002	0.997635
<i>Syce1l</i>	chr8:113643212-113655533	1.3811	1.4774	0.0973	0.820993
<i>Ube4a</i>	chr9:44923130-44965600	14.6528	14.2221	-0.0430	0.645780
<i>Sec22c</i>	chr9:121680046-121705490	9.2202	9.2360	0.0025	0.963370
<i>1110059G10Rik</i>	chr9:122945088-122951000	5.6277	5.6712	0.0111	0.894319
<i>Cdk16</i>	chrX:20687953-20699880	10.2104	10.2497	0.0055	0.944352

<i>Xiap</i>	chrX:42059678-42109656	13.0425	13.1141	0.0079	0.938917
<i>Tbl1x</i>	chrX:77511012-77662983	20.9591	20.9343	-0.0017	0.972155
<i>Dcaf13</i>	chr15:39112873-39146856	46.9712	47.1094	0.0042	0.954061
<i>Gm16712</i>	chr17:55954770-55959381	0.6038	0.5482	-0.1395	0.747201
<i>Zfp36l2</i>	chr17:84183930-84187947	52.6006	53.0291	0.0117	0.939591
<i>Gtf2e1</i>	chr16:37509789-37539789	6.3006	6.3258	0.0058	0.939768
<i>Zfand5</i>	chr19:21272277-21282289	11.0940	11.1122	0.0024	0.968344
<i>Mms19</i>	chr19:41941085-41981157	14.6118	14.6430	0.0031	0.973836
<i>Got1</i>	chr19:43499751-43524605	9.6102	9.6785	0.0102	0.911635
<i>Gm20538</i>	chr19:44543721-44552831	48.5931	46.3219	-0.0691	0.746812
<i>Hjurp</i>	chr1:88262470-88277633	26.3043	25.5068	-0.0444	0.667613
<i>NA</i>	chr2:3504528-3512759	8.2764	8.0251	-0.0445	0.460352
<i>Gm13919</i>	chr2:102039628-102066725	1.0751	0.9917	-0.1165	0.736477
<i>4931422A03Rik</i>	chr2:103966942-104028361	1.5726	1.4640	-0.1032	0.711077
<i>Adrm1</i>	chr2:180171484-180176286	5.2867	5.1026	-0.0511	0.626830
<i>Gm17690</i>	chr3:96167463-96172414	4.7069	4.5486	-0.0494	0.274861
<i>Polr3gl</i>	chr3:96577871-96594181	12.5005	12.7421	0.0276	0.886081
<i>Rars2</i>	chr4:34614956-34660167	13.9064	13.9806	0.0077	0.944472
<i>Exosc3</i>	chr4:45316612-45342732	33.6771	33.8866	0.0089	0.924803
<i>Stk40</i>	chr4:126103956-126141029	7.4230	7.1786	-0.0483	0.655256
<i>Hp1bp3</i>	chr4:138216295-138244683	59.7712	59.6301	-0.0034	0.906885
<i>Exosc10</i>	chr4:148558428-148582401	36.5920	36.5904	-0.0001	0.999160
<i>Aldh3a2</i>	chr11:61223416-61267464	12.4961	12.1553	-0.0399	0.413515
<i>BC017158</i>	chr7:128271378-128298170	6.0632	5.8634	-0.0484	0.662158
<i>Agap3</i>	chr5:24452176-24502047	17.6314	16.9899	-0.0535	0.729912
<i>Prkag2</i>	chr5:24862743-25100642	5.4362	5.2668	-0.0457	0.642797
<i>Zfyve28</i>	chr5:34194873-34288449	0.1590	0.1717	0.1106	0.805439
<i>Gramd4</i>	chr15:86057694-86137634	63.9114	62.0102	-0.0436	0.644424
<i>Appl1</i>	chr14:26918987-26971232	12.4971	12.1565	-0.0399	0.494990
<i>Wdhd1</i>	chr14:47240943-47276832	5.4302	5.2577	-0.0466	0.632341
<i>Traj7</i>	chr14:54211469-54211528	61.4763	57.5495	-0.0952	0.768836
<i>Pogz</i>	chr3:94837566-94882326	6.2179	6.0340	-0.0433	0.638246
<i>Papolg</i>	chr11:23862645-23895253	22.1107	22.1178	0.0005	0.992151
<i>Zfp825</i>	chr13:74480516-74482943	7.3926	7.0045	-0.0778	0.726216
<i>Lnx2</i>	chr5:147016654-147076586	11.9198	11.5308	-0.0479	0.688695
<i>Akt1s1</i>	chr7:44848990-44855421	8.8814	8.9741	0.0150	0.914182
<i>Abhd14a</i>	chr9:106440050-106447678	4.3766	4.1718	-0.0691	0.678217
<i>Baiap3</i>	chr17:25242658-25256364	12.8131	12.9172	0.0117	0.940753
<i>Aven</i>	chr2:112492963-112634573	11.2141	11.3110	0.0124	0.919130
<i>Gar1</i>	chr3:129824911-129831396	5.4620	5.2351	-0.0612	0.723387
<i>Phc2</i>	chr4:128654701-128752881	9.0196	9.0577	0.0061	0.955268
<i>Trav10</i>	chr14:53505789-53506286	3.7454	3.4165	-0.1326	0.665465
<i>Vps13c</i>	chr9:67840395-67995634	15.4435	14.9162	-0.0501	0.742556
<i>Pemt</i>	chr11:59970613-60046489	1.5643	1.4812	-0.0787	0.312655
<i>Mybbp1a</i>	chr11:72441354-72451768	34.3067	34.2272	-0.0033	0.930291
<i>Gosr2</i>	chr11:103676848-103697898	35.1283	35.2069	0.0032	0.966034
<i>N4bp2l2</i>	chr5:150608006-150665612	22.1516	22.2168	0.0042	0.960692
<i>Arap1</i>	chr7:101348066-101412586	13.1456	12.7335	-0.0459	0.674022
<i>Fam35a</i>	chr14:34237040-34310503	9.7889	9.5086	-0.0419	0.330181
<i>Zmym1</i>	chr4:127047093-127061152	12.2505	12.2958	0.0053	0.937989
<i>Maged1</i>	chrX:94535473-94542143	0.1980	0.1771	-0.1613	0.725240
<i>Set</i>	chr2:30057377-30072577	20.8273	20.1511	-0.0476	0.664174
<i>Cnksr3</i>	chr10:7119062-7212237	1.7871	1.7161	-0.0585	0.654304
<i>L3mbtl3</i>	chr10:26274467-26375185	21.2956	20.7291	-0.0389	0.387196
<i>Tube1</i>	chr10:39134022-39151058	1.2032	1.1425	-0.0747	0.742266
<i>Rev3l</i>	chr10:39732117-39875211	18.3479	18.4458	0.0077	0.947955
<i>Cep57l1</i>	chr10:41718839-41809607	15.3570	15.4458	0.0083	0.937663
<i>Ostm1</i>	chr10:42583821-42702459	13.8284	13.4124	-0.0441	0.651393
<i>Micu1</i>	chr10:59702476-59864132	2.9753	2.8791	-0.0474	0.562095
<i>Bsg</i>	chr10:79704490-79711969	40.5117	39.4385	-0.0387	0.488615
<i>Tmem259</i>	chr10:79974947-79984330	28.5002	27.6043	-0.0461	0.717071
<i>Uqcr11</i>	chr10:80402996-80406830	34.8080	35.4335	0.0257	0.903237
<i>Nfic</i>	chr10:81396185-81431005	1.0091	1.0370	0.0393	0.895817
<i>Zfp433</i>	chr10:81718918-81721468	1.8438	1.8992	0.0426	0.877081
<i>Rtcb</i>	chr10:85938636-85957823	76.4163	74.2300	-0.0419	0.628002
<i>Mrpl42</i>	chr10:95480805-95501927	37.8351	38.3482	0.0194	0.908772
<i>Xpot</i>	chr10:121587379-121626316	10.6132	10.3432	-0.0372	0.440090
<i>Ppm1h</i>	chr10:122678761-122945795	35.0983	35.1687	0.0029	0.979053
<i>Dgka</i>	chr10:128720140-128744056	380.7322	372.1106	-0.0330	0.241667
<i>Sec14l2</i>	chr11:4097038-4123415	0.5125	0.5347	0.0612	0.768144
<i>Ewsr1</i>	chr11:5069688-5099266	57.3665	57.3639	-0.0001	0.999246

<i>Slc1a4</i>	chr11:20302179-20332713	0.4205	0.4463	0.0859	0.829552
<i>9130230N09Rik</i>	chr11:22858930-22861264	4.2937	4.0689	-0.0776	0.629002
<i>Snrnp25</i>	chr11:32205414-32208984	6.9986	6.6574	-0.0721	0.736211
<i>Lcp2</i>	chr11:34046919-34092295	61.5991	61.4317	-0.0039	0.901111
<i>Jade2</i>	chr11:51813454-51857653	13.1139	13.0969	-0.0019	0.979179
<i>Irf1</i>	chr11:53770013-53778374	127.5521	127.5597	0.0001	0.999126
<i>4933426K07Rik</i>	chr11:57655414-57657826	1.8637	1.7451	-0.0948	0.799442
<i>Arf1</i>	chr11:59211411-59228270	60.5735	58.9343	-0.0396	0.604007
<i>Zfp286</i>	chr11:62753376-62789462	1.5655	1.4928	-0.0686	0.668528
<i>Stx8</i>	chr11:67966192-68207148	4.0414	4.0562	0.0053	0.946664
<i>Ndel1</i>	chr11:68821433-68871858	20.7192	20.7437	0.0017	0.980776
<i>2310047M10Rik</i>	chr11:69059774-69061576	7.9247	7.6240	-0.0558	0.724944
<i>Snord118</i>	chr11:69073426-69073561	7.9742	8.6040	0.1097	0.873240
<i>2810408A11Rik</i>	chr11:69897351-69900987	1.8791	1.7810	-0.0773	0.696964
<i>Elp5</i>	chr11:69968221-69982517	11.6447	11.2782	-0.0461	0.633185
<i>Gm12333</i>	chr11:75036475-75039348	0.5936	0.5484	-0.1142	0.648667
<i>Abr</i>	chr11:76416733-76622314	14.7821	14.4342	-0.0344	0.389745
<i>BC030499</i>	chr11:78290840-78296805	0.8477	0.8055	-0.0737	0.627235
<i>Fam58b</i>	chr11:78750506-78751729	28.7665	28.7551	-0.0006	0.985902
<i>Rab11fip4</i>	chr11:79591211-79698023	13.6695	13.6881	0.0020	0.981015
<i>Crlf3</i>	chr11:80046492-80080991	81.8589	81.8709	0.0002	0.997937
<i>Slfn5os</i>	chr11:82942340-82960681	4.6332	4.7952	0.0496	0.830103
<i>Ppm1e</i>	chr11:87226905-87359023	0.3114	0.3226	0.0507	0.733512
<i>Rad51c</i>	chr11:87376644-87404954	0.4451	0.4601	0.0478	0.741145
<i>Fkbp10</i>	chr11:100415696-100424824	0.4167	0.3856	-0.1117	0.531432
<i>Acbd4</i>	chr11:103101681-103112200	8.1150	7.8372	-0.0502	0.673245
<i>Amz2</i>	chr11:109425945-109452813	9.7567	9.4636	-0.0440	0.639082
<i>Prkar1a</i>	chr11:109649404-109669656	78.8043	78.6366	-0.0031	0.956912
<i>Rptor</i>	chr11:119602904-119899576	5.2861	5.3248	0.0105	0.947204
<i>Aspscr1</i>	chr11:120672972-120709447	10.1613	9.8584	-0.0437	0.563797
<i>Gps1</i>	chr11:120784271-120789102	5.8448	5.6407	-0.0513	0.600237
<i>Dnmt3aos</i>	chr12:3859292-3862244	0.6318	0.5706	-0.1470	0.767161
<i>Gen1</i>	chr12:11240925-11265787	2.1321	2.1601	0.0189	0.866478
<i>Tmem18</i>	chr12:30584442-30591213	18.6171	18.0594	-0.0439	0.597015
<i>Atxn7l1os2</i>	chr12:33358242-33394760	2.1557	2.0297	-0.0869	0.740204
<i>Ahr</i>	chr12:35497973-35535038	1.0588	1.0117	-0.0656	0.641376
<i>Pcnxl4</i>	chr12:72536356-72580213	2.6891	2.5838	-0.0577	0.633511
<i>Prkch</i>	chr12:73584796-73778185	108.7807	106.2400	-0.0341	0.349792
<i>Fut8</i>	chr12:77238103-77476338	9.1501	9.1711	0.0033	0.964575
<i>Rad51b</i>	chr12:79297350-79508656	0.5756	0.5249	-0.1330	0.725584
<i>Slc39a9</i>	chr12:80644214-80683341	6.1024	5.9220	-0.0433	0.612475
<i>Adam4</i>	chr12:81419442-81421946	0.9588	0.9026	-0.0871	0.743696
<i>Pcnx</i>	chr12:81860029-82000924	4.7465	4.7930	0.0141	0.930140
<i>Mlh3</i>	chr12:85234528-85270591	8.0530	7.8059	-0.0450	0.582289
<i>Angel1</i>	chr12:86700501-86726460	1.8565	1.8801	0.0182	0.877507
<i>Ttc3</i>	chr12:98920573-98983238	0.4391	0.4019	-0.1278	0.778852
<i>9030617O03Rik</i>	chr12:100779056-100896981	8.0342	7.7632	-0.0495	0.695843
<i>Ccdc88c</i>	chr12:100912699-101028983	73.1582	71.1425	-0.0403	0.669286
<i>Gm17111</i>	chr12:110664891-110665408	15.7030	14.8824	-0.0774	0.764687
<i>Zscan26</i>	chr13:21442174-21453730	41.3560	40.1344	-0.0433	0.728343
<i>NA</i>	chr13:21782914-21783397	8.3481	8.5731	0.0384	0.881990
<i>Aldh5a1</i>	chr13:24907578-24937661	0.2180	0.2322	0.0909	0.827735
<i>Rreb1</i>	chr13:37778399-37952002	3.4630	3.3378	-0.0531	0.748760
<i>Tbc1d7</i>	chr13:43151743-43171501	4.0373	3.8563	-0.0662	0.626032
<i>Sfxn1</i>	chr13:54071844-54108346	23.6173	22.9825	-0.0393	0.588847
<i>Gm17108</i>	chr13:69610497-69614901	8.1598	7.9003	-0.0466	0.548353
<i>Zfp72</i>	chr13:74371425-74376566	2.5099	2.5872	0.0438	0.845367
<i>Gm9776</i>	chr13:94355838-94358818	0.6242	0.5808	-0.1039	0.828354
<i>Sv2c</i>	chr13:95959442-96132577	0.7931	0.8130	0.0358	0.886642
<i>Mocs2</i>	chr13:114818243-114829006	12.0004	12.0767	0.0091	0.941734
<i>BC147527</i>	chr13:120308145-120308649	41.8839	39.9964	-0.0665	0.759048
<i>Krit1</i>	chr5:3803164-3844515	24.9900	25.0259	0.0021	0.978811
<i>Rbks</i>	chr5:31624438-31697627	5.2885	5.3694	0.0219	0.842237
<i>Ppp1cb</i>	chr5:32458973-32517433	31.7799	30.8885	-0.0410	0.624334
<i>Prr14l</i>	chr5:32789217-32854256	14.2882	13.9130	-0.0384	0.549554
<i>Maea</i>	chr5:33335571-33373294	32.5695	31.6820	-0.0399	0.531917
<i>Gm17207</i>	chr5:73210108-73212634	2.2647	2.4046	0.0865	0.881160
<i>Uba6</i>	chr5:86110719-86172803	13.6247	13.6630	0.0040	0.962692
<i>Uso1</i>	chr5:92137937-92202794	11.4844	11.5963	0.0140	0.943729
<i>Paqr3</i>	chr5:97082328-97111596	0.9603	0.9807	0.0304	0.873501
<i>Agpat9</i>	chr5:100845712-100899102	0.2604	0.2773	0.0904	0.810406

<i>Tmed5</i>	chr5:108106365-108132620	17.1136	17.1550	0.0035	0.974140
<i>Idua</i>	chr5:108660330-108684557	6.7901	6.8321	0.0089	0.945043
<i>Iscu</i>	chr5:113772747-113778288	6.9529	7.0718	0.0245	0.910737
<i>Slc8b1</i>	chr5:120511167-120534024	2.9357	2.8243	-0.0558	0.648900
<i>Gtf2ird2</i>	chr5:134184018-134224355	8.5232	8.2666	-0.0441	0.614378
<i>Mcm7</i>	chr5:138164582-138172422	19.7739	19.2383	-0.0396	0.571219
<i>Get4</i>	chr5:139252323-139270051	6.7023	6.4739	-0.0500	0.562248
<i>Tmem184a</i>	chr5:139802484-139819917	1.6746	1.6132	-0.0539	0.617264
<i>Fam220a</i>	chr5:143548707-143564531	6.7773	6.5461	-0.0501	0.686519
<i>Gm26925</i>	chr5:144110815-144111772	1.6921	1.5720	-0.1062	0.584503
<i>Cdk8</i>	chr5:146231229-146302874	8.0541	7.8247	-0.0417	0.630906
<i>Tes</i>	chr6:17065148-17105828	55.7294	54.0815	-0.0433	0.655379
<i>Ssbp1</i>	chr6:40471351-40481823	9.7211	9.7706	0.0073	0.947201
<i>Rarres2</i>	chr6:48569697-48572670	3.7789	3.5408	-0.0939	0.719628
<i>Mrpl19</i>	chr6:81957850-81965958	8.8125	8.5487	-0.0439	0.551128
<i>Exoc6b</i>	chr6:84618486-85069513	2.2819	2.3043	0.0141	0.937929
<i>Snrnp27</i>	chr6:86675220-86684522	17.9413	18.1238	0.0146	0.926189
<i>Crbn</i>	chr6:106778248-106800074	48.6714	48.8520	0.0053	0.964119
<i>Tamm41</i>	chr6:115004380-115037876	3.0766	3.0965	0.0093	0.891445
<i>Gm20692</i>	chr6:120512448-120513232	6.7156	6.9018	0.0395	0.856853
<i>Eno2</i>	chr6:124760052-124769673	0.2455	0.2586	0.0749	0.805437
<i>Iffo1</i>	chr6:125145240-125161782	6.3205	6.3452	0.0056	0.953037
<i>Plekhg6</i>	chr6:125362659-125380793	0.2632	0.2407	-0.1286	0.777731
<i>Gm26845</i>	chr6:127108388-127110467	0.5987	0.6389	0.0937	0.745945
<i>Tulp3</i>	chr6:128321139-128355851	0.9530	0.9120	-0.0635	0.690127
<i>Nrip2</i>	chr6:128399295-128408932	1.5613	1.4891	-0.0683	0.725681
<i>Klrb1c</i>	chr6:128778484-128789215	1.8671	1.9184	0.0391	0.908580
<i>Magohb</i>	chr6:131284387-131293244	6.9297	7.0139	0.0174	0.931263
<i>Zfp324</i>	chr7:12965837-12974236	5.3212	5.1615	-0.0440	0.587169
<i>Arhgap35</i>	chr7:16494472-16614993	6.2815	6.3174	0.0082	0.953301
<i>Prkd2</i>	chr7:16842901-16870461	50.6651	49.1061	-0.0451	0.706996
<i>Pglyrp1</i>	chr7:18884689-18890438	9.4090	9.6524	0.0368	0.893507
<i>Clasrp</i>	chr7:19581043-19604468	19.1589	19.2939	0.0101	0.935671
<i>Relb</i>	chr7:19606216-19629438	10.5947	10.2833	-0.0431	0.592197
<i>Smg9</i>	chr7:24399618-24422778	17.2725	16.7747	-0.0422	0.701744
<i>Xrcc1</i>	chr7:24547149-24573438	19.5211	19.5653	0.0033	0.968907
<i>Lipe</i>	chr7:25379526-25398710	3.9804	3.8398	-0.0518	0.691019
<i>Fbl</i>	chr7:28169747-28179269	3.4896	3.6036	0.0463	0.831377
<i>Zfp788</i>	chr7:41633202-41651534	7.1504	6.8907	-0.0534	0.709015
<i>Fuz</i>	chr7:44896078-44902631	11.0209	10.7058	-0.0418	0.566784
<i>Prrg2</i>	chr7:45053612-45062677	1.2269	1.2747	0.0552	0.848392
<i>Rcn3</i>	chr7:45082912-45092221	24.3815	24.6710	0.0170	0.929179
<i>Snord35a</i>	chr7:45126345-45126435	24.7011	23.1576	-0.0931	0.498698
<i>Emp3</i>	chr7:45918022-45921426	110.0603	110.8430	0.0102	0.947821
<i>Saal1</i>	chr7:46686107-46710680	3.5083	3.4024	-0.0442	0.532939
<i>Fes</i>	chr7:80377757-80387946	0.3985	0.4229	0.0855	0.860137
<i>Pde8a</i>	chr7:81213595-81334533	2.4671	2.5122	0.0261	0.890135
<i>Rsf1</i>	chr7:97579895-97692782	12.9275	12.5918	-0.0380	0.542731
<i>Mrpl48</i>	chr7:100545750-100608297	3.5797	3.4621	-0.0482	0.592802
<i>St5</i>	chr7:109523910-109617147	2.4054	2.3101	-0.0583	0.695646
<i>NA</i>	chr7:110766676-110769345	0.3683	0.3929	0.0934	0.776115
<i>Eij4g2</i>	chr7:111067984-111083030	85.7363	83.3045	-0.0415	0.684953
<i>Arntl</i>	chr7:113207464-113314122	13.3286	13.3688	0.0043	0.953526
<i>Gm15500</i>	chr7:114705215-114706235	1.2412	1.3213	0.0903	0.839788
<i>Tmem219</i>	chr7:126886170-126922917	9.4996	9.5697	0.0106	0.921742
<i>Sept1</i>	chr7:127214446-127218498	197.7253	197.9862	0.0019	0.984529
<i>Bccip</i>	chr7:133709332-133721145	21.4064	21.5504	0.0097	0.938170
<i>5830411N06Rik</i>	chr7:140247300-140299791	0.9370	0.8606	-0.1228	0.839826
<i>Lmntd2</i>	chr7:141210042-141214082	2.3813	2.2781	-0.0639	0.592083
<i>Dhcr7</i>	chr7:143823144-143848410	3.4564	3.4881	0.0132	0.916881
<i>Pnpla6</i>	chr8:3515383-3544266	9.5603	9.6256	0.0098	0.942279
<i>Cul4a</i>	chr8:13105620-13147940	10.6510	10.3682	-0.0388	0.374610
<i>Erich1</i>	chr8:14027564-14090327	13.5733	13.1578	-0.0449	0.213849
<i>Ikkkb</i>	chr8:22659211-22706589	19.3837	19.3796	-0.0003	0.996154
<i>Gm17484</i>	chr8:25754508-25769704	7.3405	7.4204	0.0156	0.901270
<i>Bag4</i>	chr8:25764537-25785209	8.8179	8.5588	-0.0430	0.521637
<i>Wrn</i>	chr8:33234383-33385527	24.3291	24.3326	0.0002	0.997725
<i>Primpol</i>	chr8:46575578-46617212	8.4265	8.1871	-0.0416	0.531679
<i>Gm20422</i>	chr8:69742861-69774886	11.8176	11.9250	0.0131	0.883120
<i>Mpv17l2</i>	chr8:70758648-70760921	15.8410	16.1054	0.0239	0.904825
<i>Colgalt1</i>	chr8:71611023-71624909	28.4342	27.5377	-0.0462	0.730960

<i>0610038B21Rik</i>	chr8:77518114-77523898	1.0263	0.9546	-0.1044	0.715247
<i>Cnep1r1</i>	chr8:88118768-88135110	8.0624	8.0956	0.0059	0.953800
<i>Exoc3l</i>	chr8:10528923-105296098	1.3775	1.4097	0.0333	0.872792
<i>Smpd3</i>	chr8:106252547-106337988	0.3576	0.3756	0.0706	0.840992
<i>St3gal2</i>	chr8:110919921-110972480	0.6775	0.6405	-0.0811	0.711657
<i>Ddx19a</i>	chr8:110974995-110997800	5.4254	5.4687	0.0115	0.930957
<i>Cotl1</i>	chr8:119809224-119840579	319.8462	309.0405	-0.0496	0.739170
<i>6430548M08Rik</i>	chr8:120114151-120165306	0.1166	0.1245	0.0944	0.719977
<i>Slc7a5</i>	chr8:121881149-121907694	8.0855	7.7823	-0.0551	0.775495
<i>NA</i>	chr9:7836686-7837064	5.6512	5.2802	-0.0980	0.604595
<i>Usp2</i>	chr9:44067020-44095627	0.6688	0.6877	0.0403	0.836712
<i>Rdx</i>	chr9:52047149-52088737	56.9978	55.4131	-0.0407	0.643552
<i>Myo9a</i>	chr9:59750895-59928866	7.2436	7.2853	0.0083	0.949513
<i>Fbxl22</i>	chr9:66508458-66514593	5.6816	5.7278	0.0117	0.926068
<i>Gnb5</i>	chr9:75311394-75344964	0.6620	0.6034	-0.1336	0.758649
<i>Gm17324</i>	chr9:78447864-78448786	3.1106	2.9193	-0.0916	0.692136
<i>Gm16794</i>	chr9:95942048-95959393	4.9788	5.0215	0.0123	0.923588
<i>Copb2</i>	chr9:98563730-98588375	65.5269	65.7266	0.0044	0.961838
<i>Stag1</i>	chr9:100597797-100958545	18.6936	18.7884	0.0073	0.951086
<i>Gm9917</i>	chr9:107558809-107568415	10.4572	10.1554	-0.0422	0.643390
<i>Rbm6</i>	chr9:107773558-107873237	17.8537	17.8145	-0.0032	0.941763
<i>Amigo3</i>	chr9:108053158-108055701	5.3625	5.1583	-0.0560	0.731947
<i>Slc25a20</i>	chr9:108662097-108684641	16.0275	16.0736	0.0041	0.952528
<i>583046219Rik</i>	chr9:110372047-110375430	7.5299	7.2567	-0.0533	0.714931
<i>Ptpn23</i>	chr9:110385088-110408210	2.8006	2.6845	-0.0611	0.747924
<i>Kif9</i>	chr9:110476993-110525179	0.4749	0.4443	-0.0962	0.769750
<i>Golga4</i>	chr9:118506317-118582522	29.6308	28.9435	-0.0339	0.287642
<i>NA</i>	chr9:124438995-124440899	7.0222	6.5964	-0.0902	0.705466
<i>Plp2</i>	chrX:7667940-7671390	5.1423	5.2386	0.0268	0.826152
<i>Lamp2</i>	chrX:38401356-38456454	4.7154	4.7387	0.0071	0.954960
<i>Cul4b</i>	chrX:38533273-38576196	20.3459	20.3883	0.0030	0.971887
<i>Aifm1</i>	chrX:48474943-48513563	8.9346	8.9586	0.0039	0.955369
<i>Pcyt1b</i>	chrX:93654862-93749951	0.1553	0.1397	-0.1534	0.779381
<i>2810403D21Rik</i>	chrX:108834477-108974906	1.3311	1.2783	-0.0584	0.621596
<i>Hmgn5</i>	chrX:109004533-109013404	1.6080	1.6600	0.0459	0.884330
<i>Phka2</i>	chrX:160502165-160598878	4.4879	4.3178	-0.0557	0.772267
<i>Gm15243</i>	chrX:160527500-160533045	4.6760	4.3707	-0.0974	0.529050
<i>Tars</i>	chr15:11383662-11399658	44.9824	43.7813	-0.0390	0.509117
<i>Zfp251</i>	chr15:76852147-76871435	17.2340	17.2486	0.0012	0.987032
<i>Sh3bp1</i>	chr15:78899666-78919032	34.8330	33.7179	-0.0469	0.713718
<i>Dnajb7</i>	chr15:81407087-81408273	1.0018	0.9121	-0.1353	0.707510
<i>NA</i>	chr15:81857673-81858796	8.5142	8.6711	0.0263	0.879662
<i>Serhl</i>	chr15:83089505-83116674	3.8105	3.6954	-0.0442	0.573821
<i>Zbed4</i>	chr15:88751659-88784516	1.7298	1.7449	0.0125	0.863475
<i>Gm5475</i>	chr15:100422146-100428150	0.4488	0.4699	0.0663	0.807328
<i>Nr4a1</i>	chr15:101266845-101274792	6.6373	6.3671	-0.0600	0.761493
<i>Camk2g</i>	chr14:20734874-20794088	19.2250	18.7376	-0.0370	0.553401
<i>A430057M04Rik</i>	chr14:21847577-21856926	2.2349	2.1426	-0.0608	0.743671
<i>Tkt</i>	chr14:30548358-30574722	45.7603	45.7777	0.0005	0.995295
<i>Wapal</i>	chr14:34673927-34747983	66.1368	64.3386	-0.0398	0.625989
<i>Trav13-1</i>	chr14:53545013-53545521	9.8844	10.2787	0.0564	0.884180
<i>Traj37</i>	chr14:54181517-54181577	81.9726	84.8036	0.0490	0.897117
<i>Traj16</i>	chr14:54203133-54203194	39.8075	40.9744	0.0417	0.836946
<i>Zfxh2</i>	chr14:55060261-55092324	1.1219	1.1546	0.0414	0.911113
<i>Dhrs4</i>	chr14:55478757-55490338	9.7680	9.3844	-0.0578	0.695649
<i>Mdp1</i>	chr14:55657878-55660508	48.5368	47.1926	-0.0405	0.567715
<i>lft88</i>	chr14:57424061-57517936	2.3545	2.2512	-0.0648	0.756346
<i>Zdhhc20</i>	chr14:57832701-57890262	62.3691	60.7031	-0.0391	0.659515
<i>Pdlim2</i>	chr14:70164217-70177681	13.0037	13.0558	0.0058	0.959708
<i>Gm4285</i>	chr14:75843378-75844964	4.3780	4.1626	-0.0728	0.687220
<i>Sugt1</i>	chr14:79587690-79629755	70.4173	71.0345	0.0126	0.937576
<i>Fgfr1op</i>	chr17:8165500-8196804	12.7791	12.3791	-0.0459	0.659351
<i>Gm16574</i>	chr17:12818792-12819537	1.4788	1.3573	-0.1236	0.709341
<i>Mir5125</i>	chr17:23823290-23823369	14.8782	15.8965	0.0955	0.842117
<i>Tceb2</i>	chr17:23824739-23829109	81.5546	78.3566	-0.0577	0.739079
<i>Tbc1d24</i>	chr17:24175430-24205562	0.1731	0.1618	-0.0971	0.534598
<i>Eme2</i>	chr17:24888485-24895087	23.1373	23.0614	-0.0047	0.926343
<i>lft140</i>	chr17:25016090-25099495	6.2977	6.3281	0.0069	0.946613
<i>Ccdc154</i>	chr17:25162460-25171913	0.2654	0.2840	0.0976	0.812657
<i>Tsr3</i>	chr17:25240169-25242798	31.4376	30.5822	-0.0398	0.411043
<i>Fam195a</i>	chr17:25863697-25868738	2.9193	2.7560	-0.0831	0.702791

<i>Nudt3</i>	chr17:27579381-27623465	35.4941	35.7199	0.0091	0.949536
<i>Zfp523</i>	chr17:28177206-28205886	3.0501	3.0984	0.0226	0.905032
<i>Zfp422-rs1</i>	chr17:33293836-33305745	5.2032	5.3079	0.0288	0.832268
<i>H2-Ke6</i>	chr17:34026032-34028060	62.4431	62.7523	0.0071	0.953760
<i>Zbtb12</i>	chr17:34879482-34896842	1.2918	1.3329	0.0452	0.782573
<i>Lsm2</i>	chr17:34981861-34985891	5.4299	5.2268	-0.0550	0.689588
<i>Ddah2</i>	chr17:35059034-35062095	0.6526	0.6902	0.0809	0.755650
<i>Abcf1</i>	chr17:35956818-35969761	35.1726	35.3036	0.0054	0.962709
<i>Z310039H08Rik</i>	chr17:46772634-46773407	21.4994	21.8530	0.0235	0.918561
<i>Fem1a</i>	chr17:56256792-56263608	18.8673	18.3749	-0.0382	0.455105
<i>Gm26749</i>	chr17:74575380-74617119	30.0156	30.0463	0.0015	0.984431
<i>Galm</i>	chr17:80127470-80185101	2.6683	2.7273	0.0316	0.888779
<i>1110020A21Rik</i>	chr17:84954966-84957710	1.8753	1.9589	0.0629	0.820694
<i>Ppp1r21</i>	chr17:88530123-88588365	14.2623	13.8356	-0.0438	0.666914
<i>Gm6142</i>	chr16:4320355-4320680	3.2941	2.9769	-0.1461	0.798153
<i>Carhsp1</i>	chr16:8658586-8672153	4.9530	4.7692	-0.0545	0.684768
<i>Rsl1d1</i>	chr16:11192969-11203331	76.3656	76.6699	0.0057	0.953237
<i>Ercc4</i>	chr16:13109683-13150617	7.4156	7.1949	-0.0436	0.673699
<i>Gm15868</i>	chr16:14311840-14314014	11.4223	11.6186	0.0246	0.891949
<i>Hic2</i>	chr16:17233571-17263430	1.2465	1.1930	-0.0633	0.784862
<i>Mrpl40</i>	chr16:18872017-18876767	30.5876	30.7857	0.0093	0.939616
<i>Tra2b</i>	chr16:22244548-22266005	26.1761	26.2692	0.0051	0.959472
<i>Atp5j</i>	chr16:84827865-84835625	13.8055	13.9128	0.0112	0.920669
<i>Synj1</i>	chr16:90936091-91011308	6.9273	6.9811	0.0112	0.946710
<i>Runx1</i>	chr16:92601466-92826066	3.3991	3.4291	0.0127	0.931858
<i>Rps6kb2</i>	chr19:4156712-4163354	11.9507	11.5733	-0.0463	0.571120
<i>A1837181</i>	chr19:5425156-5427313	32.7629	33.0419	0.0122	0.935360
<i>Fibp</i>	chr19:5460606-5465052	30.1622	30.3269	0.0079	0.944908
<i>Rnaseh2c</i>	chr19:5601872-5603439	31.5278	31.7638	0.0108	0.934997
<i>Naalad1</i>	chr19:6105781-6115792	0.2891	0.3079	0.0910	0.728473
<i>Slc3a2</i>	chr19:8706881-8723369	32.2686	31.3713	-0.0407	0.577266
<i>Fth1</i>	chr19:9982702-9985092	130.9670	133.0238	0.0225	0.921698
<i>Erlin1</i>	chr19:44034943-44069785	2.0608	1.9767	-0.0600	0.722583
<i>Calhm2</i>	chr19:47105352-47138294	5.2329	5.0580	-0.0490	0.689242
<i>Gm16068</i>	chr19:47606143-47617106	2.2157	2.0319	-0.1250	0.702193
<i>Arid5a</i>	chr1:36307732-36324029	26.2069	25.5148	-0.0386	0.624912
<i>Mitd1</i>	chr1:37874800-37890411	36.3956	35.2315	-0.0469	0.705302
<i>Gm3940</i>	chr1:52090634-52091066	2.3461	2.5101	0.0975	0.816068
<i>Gls</i>	chr1:52163447-52233232	28.3867	28.4135	0.0014	0.987010
<i>Gmppa</i>	chr1:75435929-75443179	17.2113	17.3242	0.0094	0.946633
<i>Ccdc93</i>	chr1:121431048-121506460	8.8962	8.6670	-0.0377	0.404576
<i>Ddx18</i>	chr1:121553834-121567989	12.3757	11.9816	-0.0467	0.559050
<i>Gm26642</i>	chr1:135248560-135266443	4.8329	4.8753	0.0126	0.919585
<i>Scarna3a</i>	chr1:159340282-159340422	10.3530	10.9466	0.0804	0.860531
<i>Cox20</i>	chr1:178319129-178322693	120.2351	120.3272	0.0011	0.987752
<i>Gm15480</i>	chr1:179538416-179538935	3.8923	4.0800	0.0679	0.840115
<i>Gpatch2</i>	chr1:187215507-187351704	8.9049	8.9165	0.0019	0.983537
<i>A130010J15Rik</i>	chr1:193168048-193177832	18.5645	17.9833	-0.0459	0.676979
<i>Cdc25c</i>	chr18:34732996-34751533	0.5445	0.5761	0.0815	0.762554
<i>Fam53c</i>	chr18:34758905-34773760	5.1470	4.9637	-0.0523	0.710584
<i>Hspa9</i>	chr18:34937413-34954357	77.2110	75.1751	-0.0386	0.517644
<i>Ndfip1</i>	chr18:38418974-38464399	106.6498	103.3751	-0.0450	0.626207
<i>Trim36</i>	chr18:46165301-46212607	0.3464	0.3173	-0.1264	0.748385
<i>Prrc1</i>	chr18:57354732-57392719	2.7652	2.8152	0.0259	0.898494
<i>Poli</i>	chr18:70508679-70530620	16.0154	16.0032	-0.0011	0.988336
<i>Slc14a1</i>	chr18:78100090-78142119	16.1816	15.6954	-0.0440	0.670485
<i>Txn14a</i>	chr18:80206794-80223533	19.0604	18.5036	-0.0428	0.660514
<i>Socs6</i>	chr18:88665223-88927481	3.4511	3.3414	-0.0466	0.660361
<i>Acdb5</i>	chr2:23068167-23114510	17.5053	17.5172	0.0010	0.985256
<i>Camsap1</i>	chr2:25926837-25983282	4.6280	4.4724	-0.0493	0.698296
<i>Ppp6c</i>	chr2:39194353-39226451	20.4810	20.5527	0.0050	0.953235
<i>Ttc30b</i>	chr2:75935862-75938462	1.5523	1.4516	-0.0968	0.754280
<i>Gm13680</i>	chr2:83353156-83353949	2.8049	2.6016	-0.1086	0.745348
<i>Accs</i>	chr2:93833466-93849943	3.8055	3.8141	0.0033	0.960049
<i>Commd9</i>	chr2:101886246-101901646	7.0000	6.6651	-0.0707	0.756792
<i>Imm1p1</i>	chr2:105904637-105965558	10.9540	10.4294	-0.0708	0.779004
<i>Scg5</i>	chr2:113776361-113829121	2.2174	2.1007	-0.0780	0.688861
<i>Aqr</i>	chr2:114101169-114187024	18.9812	18.9588	-0.0017	0.966807
<i>Ccdc32</i>	chr2:119017778-119029393	7.6152	7.3350	-0.0541	0.648125
<i>Serf2</i>	chr2:121449194-121458313	23.9853	23.2821	-0.0429	0.669736
<i>Mfap1a</i>	chr2:121491910-121506665	8.2746	7.9918	-0.0502	0.691639

Gm24451	chr2:130276236-130276369	14.1353	12.9961	-0.1212	0.712404
AV099323	chr2:132253356-132261333	1.3713	1.2689	-0.1120	0.669337
Esf1	chr2:140119882-140170564	13.9705	14.0721	0.0105	0.939293
Csrp2bp	chr2:144368982-144407676	10.6799	10.3742	-0.0419	0.540730
Apmap	chr2:150583079-150608567	19.1845	18.5866	-0.0457	0.640528
Fkbp1a	chr2:151542482-151561692	9.3367	9.3749	0.0059	0.930969
Cdk5rap1	chr2:154335379-154373010	7.3990	7.6486	0.0479	0.895981
Edem2	chr2:155701676-155729475	13.6965	13.2689	-0.0458	0.657754
Epb4.1l1	chr2:156420908-156543214	0.0943	0.0864	-0.1265	0.762471
Gm14230	chr2:156833048-156839892	1.2525	1.1589	-0.1121	0.793644
Gm11455	chr2:164135702-164140419	1.7752	1.9212	0.1140	0.836483
1500012F01Rik	chr2:167062933-167065862	37.1294	37.3625	0.0090	0.942253
Slc9a8	chr2:167421711-167477000	8.8548	8.5648	-0.0480	0.720989
Tmem189	chr2:167642607-167689822	18.2644	17.7622	-0.0402	0.584988
Mtg2	chr2:180070587-180085902	6.8855	6.6755	-0.0447	0.596300
Gid8	chr2:180710116-180718733	18.3696	17.8417	-0.0421	0.524242
Tpd52	chr3:8928625-9004723	4.1818	4.0350	-0.0515	0.714267
4632415L05Rik	chr3:19894885-19895962	8.3224	8.0150	-0.0543	0.630588
Larp1b	chr3:41021938-41040234	0.1846	0.1967	0.0916	0.803625
Pfn2	chr3:57841894-57847564	1.4568	1.3876	-0.0702	0.712773
Gpr171	chr3:59096447-59101821	59.3705	57.5159	-0.0458	0.686141
Slc33a1	chr3:63933506-63964768	11.7965	11.4335	-0.0451	0.569290
Plrg1	chr3:83055521-83072355	28.7675	28.7497	-0.0009	0.984841
Tsacc	chr3:88282756-88296999	4.4920	4.5937	0.0323	0.892444
Scamp3	chr3:89177472-89182765	31.0863	31.2247	0.0064	0.960773
Dcst1	chr3:89350218-89365253	0.1825	0.1972	0.1116	0.710311
Pbxip1	chr3:89436705-89450952	41.1524	41.2823	0.0045	0.967799
Adar	chr3:89715021-89753446	36.8314	36.9103	0.0031	0.980310
Crtc2	chr3:90254162-90264125	6.1912	5.9880	-0.0482	0.724871
Tnfrsf8l2	chr3:95139520-95142360	96.1920	93.5419	-0.0403	0.629379
Cdc42se1	chr3:95228731-95236409	149.1426	145.3961	-0.0367	0.450746
Anp32e	chr3:95929245-95947390	18.5505	18.7048	0.0120	0.935869
Wars2	chr3:99141067-99239186	3.9238	3.8015	-0.0457	0.535874
Wnt2b	chr3:104944804-104961709	0.7351	0.7653	0.0582	0.883258
Gclm	chr3:122245556-122269984	2.7110	2.7397	0.0152	0.907095
Tbck	chr3:132684143-132838506	13.2828	13.2856	0.0003	0.995365
Nol6	chr4:41114426-41124455	13.5203	13.5533	0.0035	0.966979
Creb3	chr4:43562331-43567060	23.8857	23.2143	-0.0411	0.497464
Tex10	chr4:48430857-48473459	20.7644	20.8474	0.0058	0.955229
Faf1	chr4:109676587-109963960	16.3140	16.3486	0.0031	0.971176
Gm12961	chr4:111790620-111791670	1.4775	1.3790	-0.0995	0.721264
Akr1a1	chr4:116636509-116651680	67.5363	65.3464	-0.0476	0.723561
Lck	chr4:129548343-129573641	230.9092	224.0291	-0.0436	0.686695
Phactr4	chr4:132355922-132422489	1.4271	1.3712	-0.0577	0.667425
Ahdc1	chr4:133011259-133078110	3.2081	3.0729	-0.0621	0.810300
Gpn2	chr4:133584361-133591735	10.5224	10.1788	-0.0479	0.475621
Pdik1l	chr4:134275001-134287895	10.1947	9.8906	-0.0437	0.601664
Tceb3	chr4:136003367-136021763	24.5560	23.9507	-0.0360	0.237048
Z310026L22Rik	chr4:138215713-138216189	3.9844	4.1657	0.0642	0.712203
Mul1	chr4:138434670-138442265	4.8704	4.9021	0.0094	0.932862
Camk2n1	chr4:138454313-138460123	0.1683	0.1814	0.1083	0.775399
Fbxo44	chr4:148152799-148160482	0.7300	0.7512	0.0414	0.828417
Kcnab2	chr4:152390741-152477871	39.8783	38.8487	-0.0377	0.610447
Dffb	chr4:153964448-153975126	10.8191	10.4086	-0.0558	0.740493
Prkcz	chr4:155260128-155361361	0.9283	0.9439	0.0240	0.796957
Tmem240	chr4:155734799-155740564	1.1361	1.0840	-0.0677	0.734279
Zcchc12	chrX:36195903-36199158	0.3740	0.3332	-0.1669	0.807106
A230059L01Rik	chr1:146802964-146806022	0.4094	0.3192	-0.3588	0.804172
4933408B17Rik	chr18:34579845-34597468	0.4723	0.4280	-0.1421	0.795476
Ighg2c	chr12:113285324-113288930	0.8940	1.2407	0.4728	0.717595
Ccdc40	chr11:119228571-119265236	0.2899	0.3028	0.0626	0.839132
Klhdc2	chr12:69296680-69310687	22.0351	21.4042	-0.0419	0.665145
Zfml	chr6:83914352-83986869	57.5628	55.8834	-0.0427	0.739124
1810062O18Rik	chr14:20546078-20570687	2.3853	2.4498	0.0385	0.800825
Gm15789	chr1:66783912-66786445	1.3396	1.2517	-0.0979	0.698061
Ankmy1	chr1:92870128-92902906	0.2765	0.2935	0.0861	0.820489
Tsen15	chr1:152370734-152386688	2.2539	2.2977	0.0278	0.867580
Gpcpd1	chr2:132529081-132587729	28.5455	28.6114	0.0033	0.976540
Sidt2	chr9:45937856-45955247	49.9766	48.5311	-0.0423	0.719644
Lats1	chr10:7681208-7716458	13.0268	13.0537	0.0030	0.976134
Gm10827	chr10:18235052-18238060	0.5088	0.4734	-0.1042	0.739188

<i>Prep</i>	chr10:45067205-45158997	16.0755	15.6490	-0.0388	0.517150
<i>Man1a</i>	chr10:53904787-54075796	32.7967	32.7488	-0.0021	0.980229
<i>P4ha1</i>	chr10:59323295-59373304	17.6664	17.1327	-0.0443	0.765399
<i>Dnajb12</i>	chr10:59879555-59899302	9.1624	8.8746	-0.0460	0.718525
<i>Gm4924</i>	chr10:82378592-82381237	1.1947	1.2179	0.0278	0.875786
<i>Zdhhc17</i>	chr10:110941781-111010066	13.9799	13.5865	-0.0412	0.652997
<i>NA</i>	chr10:118860825-118863542	17.6776	17.2233	-0.0376	0.591816
<i>Agap2</i>	chr10:127078906-127093169	30.8295	29.9553	-0.0415	0.725495
<i>8430429K09Rik</i>	chr11:3452364-3479831	3.0873	2.9814	-0.0503	0.656143
<i>Mtif2</i>	chr11:29526407-29545279	13.0646	12.6864	-0.0424	0.722467
<i>Nudcd2</i>	chr11:40733666-40740046	14.6518	14.2282	-0.0423	0.599619
<i>N4bp3</i>	chr11:51643062-51650842	5.5757	5.6265	0.0131	0.925312
<i>G3bp1</i>	chr11:55469684-55504838	36.1535	36.0566	-0.0039	0.937511
<i>Irgm2</i>	chr11:58199617-58222779	39.9056	38.7482	-0.0425	0.729635
<i>Atpaf2</i>	chr11:60400625-60418457	15.5750	15.1644	-0.0385	0.424004
<i>Arhgap44</i>	chr11:65002038-65162961	0.2057	0.2158	0.0692	0.869275
<i>Mir3062</i>	chr11:68990573-68990678	10.0904	10.6776	0.0816	0.857682
<i>4931413K12Rik</i>	chr11:75589664-75594771	3.4984	3.3534	-0.0611	0.736415
<i>Supt6</i>	chr11:78206745-78245987	33.1758	32.3309	-0.0372	0.634138
<i>Dhx40</i>	chr11:86768845-86807696	16.6357	16.1370	-0.0439	0.679452
<i>Smg8</i>	chr11:87077731-87086774	8.5557	8.5649	0.0015	0.983855
<i>Rnf43</i>	chr11:87662721-87735539	2.3461	2.3624	0.0100	0.941825
<i>Mks1</i>	chr11:87853214-87863803	4.2953	4.3184	0.0077	0.955508
<i>Gm11529</i>	chr11:96448322-96464547	3.1757	3.2784	0.0459	0.842582
<i>Scrn2</i>	chr11:97029937-97033958	4.7608	4.7998	0.0118	0.929858
<i>Stard3</i>	chr11:98358367-98381112	12.5660	12.2255	-0.0396	0.587650
<i>Grb7</i>	chr11:98446393-98455373	1.8841	1.9067	0.0172	0.897719
<i>Med24</i>	chr11:98704590-98729435	10.7378	10.4419	-0.0403	0.690027
<i>Gm11560</i>	chr11:99932161-99933109	2.0846	1.9466	-0.0988	0.841224
<i>Gm26083</i>	chr11:117077242-117077435	109.6880	111.7665	0.0271	0.930302
<i>NA</i>	chr11:120627680-120628181	3.0502	2.8607	-0.0926	0.670376
<i>Gm17178</i>	chr11:120689145-120709447	22.7343	23.0896	0.0224	0.912342
<i>L2hgdh</i>	chr12:69690435-69724874	2.2327	2.1166	-0.0770	0.806586
<i>Gpr65</i>	chr12:98268634-98276624	34.9346	33.7988	-0.0477	0.740451
<i>Efcab11</i>	chr12:99717530-99883442	0.7568	0.7087	-0.0947	0.678946
<i>Tdp1</i>	chr12:99884516-99955219	2.7201	2.6350	-0.0459	0.679020
<i>Ubr7</i>	chr12:102757974-102777701	25.5325	24.8151	-0.0411	0.694050
<i>Ccdc85c</i>	chr12:108206344-108275417	1.1782	1.2142	0.0435	0.876290
<i>Prss16</i>	chr13:22002175-22009742	0.4249	0.4494	0.0806	0.841393
<i>Hist1h2be</i>	chr13:23583741-23621124	3.0223	3.0441	0.0104	0.920568
<i>Hist1h2ac</i>	chr13:23681466-23683948	2.7387	2.6306	-0.0581	0.729851
<i>Acot13</i>	chr13:24817947-24831517	26.4082	26.6113	0.0111	0.948827
<i>Prpf4b</i>	chr13:34875493-34902877	97.7678	97.6785	-0.0013	0.985958
<i>Eef1e1</i>	chr13:38645697-38659028	26.7845	26.9432	0.0085	0.950349
<i>Gm26064</i>	chr13:43425741-43425850	13.9680	14.8062	0.0841	0.856538
<i>Zfp65</i>	chr13:67705305-67729119	11.0755	10.7540	-0.0425	0.691308
<i>Erap1</i>	chr13:74639871-74691875	88.1994	88.3827	0.0030	0.979245
<i>Tmem161b</i>	chr13:84222295-84295966	11.4867	11.1452	-0.0435	0.717898
<i>Mast4</i>	chr13:102732485-103334497	0.5101	0.4921	-0.0520	0.767719
<i>Dbf4</i>	chr5:8396972-8422716	8.9513	8.6936	-0.0421	0.743951
<i>Slc25a40</i>	chr5:8422849-8454790	9.3302	9.3587	0.0044	0.974401
<i>Preb</i>	chr5:30950852-30960330	15.1190	14.7487	-0.0358	0.594575
<i>Zfp513</i>	chr5:31198980-31202303	10.7573	10.3895	-0.0502	0.741333
<i>Rbpj</i>	chr5:53555778-53657445	4.2828	4.1579	-0.0427	0.680963
<i>Mthfd2l</i>	chr5:90931195-91021360	1.1477	1.0909	-0.0732	0.571633
<i>Btbd8</i>	chr5:107437996-107491628	0.7433	0.6949	-0.0970	0.715170
<i>Tmem175</i>	chr5:108629769-108647770	12.6366	12.2759	-0.0418	0.707473
<i>Wsb2</i>	chr5:117357303-117378601	6.1238	5.9557	-0.0401	0.634331
<i>2810006K23Rik</i>	chr5:124328088-124341844	3.0878	2.9739	-0.0542	0.731436
<i>Ttyh3</i>	chr5:140620585-140649031	5.1343	5.3048	0.0471	0.891943
<i>Zdhhc4</i>	chr5:143316488-143329256	11.4320	11.0709	-0.0463	0.700506
<i>D130017N08Rik</i>	chr5:143758324-143767130	0.7089	0.6740	-0.0730	0.771393
<i>Zscan25</i>	chr5:145283342-145291469	10.3217	10.3760	0.0076	0.958307
<i>Brca2</i>	chr5:150522629-150569746	1.9207	1.9416	0.0156	0.953194
<i>Gm13835</i>	chr6:31141978-31142663	3.2763	3.3609	0.0368	0.827493
<i>Nup205</i>	chr6:35177429-35247590	23.9410	23.2558	-0.0419	0.698301
<i>1810058I24Rik</i>	chr6:35252653-35263496	5.8106	5.8635	0.0131	0.931095
<i>Gng12</i>	chr6:66896396-67021350	0.9730	0.9902	0.0252	0.874924
<i>Gm26628</i>	chr6:71961144-71963775	4.0923	3.9442	-0.0532	0.718227
<i>Tgoln1</i>	chr6:72608431-72617000	50.9135	50.7436	-0.0048	0.920416
<i>Wbp1</i>	chr6:83119043-83121559	16.3111	16.3307	0.0017	0.984399

<i>Spr</i>	chr6:85133677-85137766	15.8748	15.3735	-0.0463	0.712077
<i>Gm26636</i>	chr6:87908842-87914459	18.2842	17.7663	-0.0415	0.495138
<i>Gm26799</i>	chr6:112696776-112704668	4.3040	4.3717	0.0225	0.905742
<i>NA</i>	chr6:115675994-115677136	10.1397	9.7503	-0.0565	0.803544
<i>Rad52</i>	chr6:119902697-119922828	10.7963	10.5055	-0.0394	0.542372
<i>Gm15884</i>	chr6:124715572-124718831	33.0339	32.1013	-0.0413	0.601790
<i>Dyrk4</i>	chr6:126876019-126921839	0.6294	0.6713	0.0931	0.854977
<i>Zfp524</i>	chr7:5015500-5018486	11.9471	11.5643	-0.0470	0.651573
<i>Zfp583</i>	chr7:6315659-6331285	0.9593	0.9080	-0.0792	0.780245
<i>Pvr</i>	chr7:19903577-19921160	2.6655	2.5778	-0.0482	0.739025
<i>Zfp428</i>	chr7:24507005-24515682	0.9592	0.8827	-0.1199	0.831311
<i>NA</i>	chr7:27984855-27985796	4.2412	4.3370	0.0322	0.883473
<i>Ggn</i>	chr7:29170219-29173933	0.4166	0.3902	-0.0945	0.768648
<i>E130208F15Rik</i>	chr7:30321739-30323472	6.2626	6.0270	-0.0553	0.725213
<i>Zfp719</i>	chr7:43579609-43593235	11.0295	10.7167	-0.0415	0.638685
<i>Akap13</i>	chr7:75455533-75754609	90.1092	90.3290	0.0035	0.978679
<i>Unc45a</i>	chr7:80325291-80341005	13.5391	13.1733	-0.0395	0.601661
<i>Tmem126b</i>	chr7:90468193-90476001	6.6308	6.4347	-0.0433	0.650330
<i>Klhl35</i>	chr7:99466003-99474022	1.4990	1.5312	0.0307	0.866255
<i>Rhog</i>	chr7:102239122-102250123	26.4385	26.5995	0.0088	0.946362
<i>Trim21</i>	chr7:102557921-102565469	50.2675	48.8120	-0.0424	0.704720
<i>Far1</i>	chr7:113513833-113571511	18.3245	18.3348	0.0008	0.992259
<i>Cln3</i>	chr7:126571206-126585817	10.5763	10.2884	-0.0398	0.643701
<i>Pnpla2</i>	chr7:141455197-141460743	11.6224	11.2051	-0.0527	0.789930
<i>Zfp958</i>	chr8:4625839-4629380	19.9943	19.3241	-0.0492	0.802232
<i>Gm15346</i>	chr8:22686264-22695646	2.0642	2.2187	0.1041	0.858219
<i>Cenpu</i>	chr8:46552054-46580007	5.6155	5.6320	0.0042	0.963826
<i>Gm15717</i>	chr8:69110470-69111244	2.7146	2.8767	0.0837	0.841666
<i>Yjefn3</i>	chr8:69887787-69902712	1.0930	1.1731	0.1021	0.862047
<i>Klhl26</i>	chr8:70450227-70476943	4.9175	4.9327	0.0044	0.960282
<i>Fcho1</i>	chr8:71708386-71725716	30.8822	30.8903	0.0004	0.997229
<i>Klhl36</i>	chr8:119862304-119876988	6.7942	6.5744	-0.0474	0.693426
<i>Ankrd11</i>	chr8:122883336-122974793	50.8402	49.3958	-0.0416	0.741871
<i>Fdx1l</i>	chr9:21067519-21073514	25.4148	25.5464	0.0075	0.937812
<i>1810026J23Rik</i>	chr9:21592721-21595970	10.1049	9.8210	-0.0411	0.686073
<i>Nfrkb</i>	chr9:31386191-31421333	18.0986	17.6526	-0.0360	0.594857
<i>Tmem218</i>	chr9:37208332-37223210	2.6514	2.7202	0.0369	0.884853
<i>Gm16214</i>	chr9:42022614-42034113	12.4175	11.9074	-0.0605	0.786763
<i>AU019823</i>	chr9:50605239-50617464	9.2336	8.9830	-0.0397	0.661862
<i>NA</i>	chr9:88438597-88441187	2.6364	2.6858	0.0268	0.923957
<i>Dbr1</i>	chr9:99575798-99584463	14.6153	14.6688	0.0053	0.962542
<i>Atrip</i>	chr9:109057932-109074124	16.3154	16.2776	-0.0033	0.964099
<i>Lrrfip2</i>	chr9:111118110-111225668	6.2029	6.2274	0.0057	0.960922
<i>Gpd1l</i>	chr9:114899340-114933987	28.0765	27.3305	-0.0389	0.636428
<i>Vipr1</i>	chr9:121642715-121672954	24.9881	25.0746	0.0050	0.970609
<i>Gripap1</i>	chrX:7789764-7820567	12.7872	12.7729	-0.0016	0.976504
<i>Otud5</i>	chrX:7841363-7876626	38.2770	38.1717	-0.0040	0.949192
<i>Pim2</i>	chrX:7878261-7883432	26.2711	26.4047	0.0073	0.964072
<i>Was</i>	chrX:8081452-8090498	68.6361	68.6418	0.0001	0.998890
<i>Tbc1d25</i>	chrX:8154471-8176181	5.1093	5.1528	0.0122	0.926540
<i>Gm2223</i>	chrX:33505651-33507010	0.7452	0.7869	0.0786	0.831076
<i>Mir5116</i>	chrX:56587851-56587914	15.8782	16.7910	0.0806	0.846484
<i>Fundc2</i>	chrX:75382398-75396459	12.5375	12.1319	-0.0474	0.710786
<i>Uprt</i>	chrX:104482817-104507490	5.3950	5.4303	0.0094	0.925529
<i>Mdm4-ps</i>	chrX:128261410-128267924	0.1365	0.1259	-0.1156	0.619347
<i>Hccs</i>	chrX:169250192-169320372	7.1433	7.1729	0.0060	0.953983
<i>Cpq</i>	chr15:33083128-33594552	1.4759	1.5300	0.0520	0.920463
<i>Vps13b</i>	chr15:35371545-35931228	29.9933	29.9866	-0.0003	0.997375
<i>Ubr5</i>	chr15:37967327-38078853	35.0944	34.9456	-0.0061	0.878210
<i>Eif3e</i>	chr15:43250039-43282736	176.2272	177.2886	0.0087	0.955795
<i>Ago2</i>	chr15:73098591-73184840	12.2438	12.3612	0.0138	0.954460
<i>Apol10b</i>	chr15:77584157-77596125	1.7933	1.6875	-0.0877	0.811089
<i>Nol12</i>	chr15:78934932-78943634	5.6312	5.6538	0.0058	0.955201
<i>Rarb</i>	chr14:16430841-16575472	3.1472	3.0067	-0.0659	0.821439
<i>Mss51</i>	chr14:20482863-20496901	4.5172	4.5715	0.0173	0.922989
<i>Bap1</i>	chr14:31251488-31259929	27.2081	27.1727	-0.0019	0.982850
<i>Gm23946</i>	chr14:32191853-32192050	27.3105	27.6419	0.0174	0.932874
<i>Ptger2</i>	chr14:44988194-45003820	2.5272	2.5508	0.0134	0.947535
<i>Trav4-4-dv10</i>	chr14:53683646-53684176	5.0354	4.7075	-0.0971	0.703707
<i>Trav16</i>	chr14:53743103-53743706	15.3104	15.6411	0.0308	0.897101
<i>Trdv1</i>	chr14:53881531-53882216	2.4883	2.6086	0.0681	0.825471

Gm20687	chr14:55056177-55072397	1.2659	1.3520	0.0949	0.853251
Wbp4	chr14:79459936-79481268	16.4659	16.4563	-0.0008	0.989236
Gm4944	chr17:22197264-22225614	8.7388	8.7809	0.0069	0.959830
Tsc2	chr17:24595936-24632629	9.4769	9.1891	-0.0445	0.741751
Nubp2	chr17:24882610-24886350	28.1216	28.1556	0.0017	0.983505
Pigq	chr17:25926426-25944510	6.3369	6.3546	0.0040	0.973877
Btbd9	chr17:30215523-30576287	7.3808	7.3725	-0.0016	0.985156
H2-DMB2	chr17:34143306-34151553	0.4951	0.5250	0.0846	0.870113
Prcc2a	chr17:35149075-35164897	18.9961	19.1879	0.0145	0.948377
Lst1	chr17:35185094-35188439	5.9859	5.6330	-0.0877	0.659676
Gm22589	chr17:35242677-35242754	14.4291	13.2963	-0.1180	0.696024
Enpp5	chr17:44078812-44086567	2.3175	2.2425	-0.0475	0.540794
Lonp1	chr17:56614300-56626903	29.0086	28.2258	-0.0395	0.664990
Fbxl17	chr17:63057451-63500017	5.9217	5.7388	-0.0453	0.751577
Nubp1	chr16:10411947-10424428	18.8967	18.3959	-0.0388	0.639278
4930509G22Rik	chr16:11178175-11192292	0.6071	0.5715	-0.0872	0.723071
Snx29	chr16:11322907-11755472	2.7144	2.7367	0.0118	0.941922
Dgcr8	chr16:18253947-18289249	13.4818	13.4479	-0.0036	0.935003
Hira	chr16:18877036-18970309	8.8720	8.6338	-0.0393	0.642710
Gm16618	chr16:20511132-20517766	4.0373	3.8421	-0.0715	0.652198
Ptplb	chr16:35022420-35109175	1.3925	1.4089	0.0169	0.840961
Sec22a	chr16:35311130-35363918	4.9518	4.8063	-0.0430	0.641659
Ccdc58	chr16:36071659-36092118	11.3347	10.9601	-0.0485	0.690157
Hspa13	chr16:75755189-75766821	4.2282	4.1021	-0.0437	0.641913
Tiam1	chr16:89787110-89980080	0.7772	0.7457	-0.0598	0.801464
Dyrk1a	chr16:94570009-94695517	25.9621	25.8603	-0.0057	0.872621
Gm22680	chr19:8725340-8725409	34.7799	35.8946	0.0455	0.890811
Fen1	chr19:10199131-10204169	15.5441	15.1057	-0.0413	0.561451
Cutc	chr19:43752995-43768638	5.2695	5.3570	0.0238	0.914631
Sufu	chr19:46396895-46488804	2.4237	2.4518	0.0166	0.930220
Cacul1	chr19:60524695-60581023	17.3833	16.9694	-0.0348	0.432228
2010300C02Rik	chr1:37611676-37720085	0.7610	0.7846	0.0441	0.899400
Kdelc1	chr1:44091462-44118808	4.0477	3.9144	-0.0483	0.734588
Osgepl1	chr1:53313623-53326343	3.6372	3.6468	0.0038	0.959873
Atic	chr1:71557149-71579631	31.6256	31.5870	-0.0018	0.980555
Aamp	chr1:74279839-74284738	60.8718	61.2561	0.0091	0.956978
Tuba4a	chr1:75214973-75219253	74.1244	71.8553	-0.0449	0.733177
Mff	chr1:82724889-82752394	20.0643	20.1131	0.0035	0.974108
Arl4c	chr1:88673124-88702221	215.7423	215.2998	-0.0030	0.962929
Atg4b	chr1:93751499-93789434	9.5570	9.3117	-0.0375	0.547347
Timm17a	chr1:135301531-135313778	17.1062	17.2289	0.0103	0.940833
Mettl13	chr1:162532126-162548551	4.3692	4.2501	-0.0399	0.604043
Lbr	chr1:181815315-181842401	130.8726	127.7463	-0.0349	0.557875
Ammecr1l	chr18:31759823-31784071	11.5618	11.2135	-0.0441	0.720657
Sephs1	chr2:4881563-4910557	9.9355	9.9291	-0.0009	0.988691
Arl5b	chr2:15049394-15082456	8.8909	8.6355	-0.0421	0.760447
Dnajc1	chr2:18195653-18392830	12.1716	12.1280	-0.0052	0.917684
Uap1l1	chr2:25359888-25365682	3.9058	3.9163	0.0039	0.964105
Rpl7a	chr2:26910763-26913318	33.9135	32.8817	-0.0446	0.748879
Sardh	chr2:27188392-27248337	0.1394	0.1270	-0.1340	0.773496
Fnbp1	chr2:31026205-31142008	20.2023	20.2423	0.0029	0.981006
Snora65	chr2:32963290-32963420	103.9441	104.9901	0.0144	0.935563
Hspa5	chr2:34771969-34776531	107.2690	107.5996	0.0044	0.976943
Dapl1	chr2:59484652-59505020	171.7805	162.6348	-0.0789	0.774170
Prkra	chr2:76629897-76648015	1.8889	1.8036	-0.0667	0.779264
Dusp19	chr2:80617044-80632361	4.9526	4.7982	-0.0457	0.585642
Slc43a1	chr2:84838849-84863594	1.0154	0.9608	-0.0798	0.816794
Nr1h3	chr2:91184060-91202834	0.8927	0.8447	-0.0798	0.674945
Cd82	chr2:93419110-93463140	45.7402	45.6080	-0.0042	0.947606
Catsper2	chr2:121392630-121413792	0.9284	0.8818	-0.0744	0.617521
Bloc1s6	chr2:122738502-122749475	9.1225	8.8430	-0.0449	0.650724
Tt1	chr2:129065941-129096283	1.4966	1.4438	-0.0518	0.557994
Mavs	chr2:131234062-131248025	9.5078	9.2349	-0.0420	0.718447
Tmem230	chr2:132239491-132247807	6.1612	6.2038	0.0100	0.936853
Mcm8	chr2:132816140-132844197	1.2120	1.1424	-0.0853	0.775014
Mgme1	chr2:144270662-144281227	3.1721	3.0574	-0.0531	0.672943
Raly	chr2:154791095-154867261	75.4070	73.2799	-0.0413	0.684760
9230112E08Rik	chr2:180984231-180985591	7.1376	7.2166	0.0159	0.909702
Mrps28	chr3:8802145-8923918	17.0039	17.2545	0.0211	0.925138
Car2	chr3:14886425-14900769	3.7875	3.6111	-0.0688	0.767325
Msto1	chr3:88905106-88913999	10.5014	10.4772	-0.0033	0.908393

<i>Arnt</i>	chr3:95434387-95497240	7.7034	7.5053	-0.0376	0.583111
<i>Gm20634</i>	chr3:96245553-96248509	0.5219	0.4885	-0.0955	0.733699
<i>Acp6</i>	chr3:97158776-97176574	8.8314	8.5851	-0.0408	0.721743
<i>Phtf1</i>	chr3:103968109-104024598	13.2622	12.9267	-0.0370	0.565267
<i>Magi3</i>	chr3:104013258-104220374	6.2936	6.1124	-0.0421	0.653737
<i>Gpsm2</i>	chr3:108678637-108722187	11.2284	11.2165	-0.0015	0.977739
<i>Rnpc3</i>	chr3:113605066-113630149	18.4433	17.9633	-0.0380	0.645201
<i>Casp6</i>	chr3:129901424-129914103	8.2515	7.9705	-0.0500	0.619908
<i>Tspan5</i>	chr3:138742194-138904433	6.1706	6.1801	0.0022	0.974940
<i>Pigk</i>	chr3:152714099-152980408	7.9624	7.7413	-0.0406	0.660818
<i>Lyn</i>	chr4:3678114-3813122	0.5546	0.5720	0.0448	0.887017
<i>Aldh1b1</i>	chr4:45799021-45804604	4.9984	5.0419	0.0125	0.942045
<i>Stx17</i>	chr4:48124914-48186507	8.3859	8.3933	0.0013	0.988416
<i>Itgb3bp</i>	chr4:99765401-99929813	4.6957	4.7217	0.0080	0.937220
<i>Foxd2os</i>	chr4:114909256-114921967	1.8270	1.7523	-0.0603	0.591328
<i>Tmem39b</i>	chr4:129676354-129696838	2.3493	2.2581	-0.0571	0.752861
<i>Shhg12</i>	chr4:132308677-132311024	35.7802	34.6660	-0.0456	0.735746
<i>Zfp933</i>	chr4:147822985-147848366	8.9729	8.9756	0.0004	0.994904
<i>Ctstn1</i>	chr4:149586467-149648899	6.4276	6.4793	0.0116	0.949560
<i>Mrpl20</i>	chr4:155803535-155809776	27.5969	27.8713	0.0143	0.935871
<i>Snord4a</i>	chr11:78181685-78181756	14.4942	15.2258	0.0710	0.879769
<i>Xlr4e-ps</i>	chrX:74944962-74952044	1.6336	1.4918	-0.1310	0.833558
<i>Trdv2-2</i>	chr14:53960992-53961599	2.9050	2.6666	-0.1235	0.795806
<i>Gm6457</i>	chr18:14570100-14570915	0.9166	0.8314	-0.1407	0.736016
<i>Cdca8</i>	chr4:124918464-124939311	1.4012	1.4288	0.0282	0.935209
<i>Ptdss2</i>	chr7:141122381-141157021	1.7675	1.7057	-0.0514	0.705323
<i>Fut11</i>	chr14:20694967-20700197	11.6897	11.3939	-0.0370	0.539300
<i>Atp8a1</i>	chr5:67618139-67847432	9.3360	9.3503	0.0022	0.986681
<i>Psme2b</i>	chr11:48945353-48946190	26.9087	26.9892	0.0043	0.968651
<i>Sqstm1</i>	chr11:50199365-50210827	58.4556	58.3565	-0.0024	0.976931
<i>Rapgef6</i>	chr11:54522846-54699285	106.7204	106.7548	0.0005	0.996573
<i>Hist3h2ba</i>	chr11:58948910-58949532	5.3427	5.4510	0.0289	0.881111
<i>Mapk7</i>	chr11:61488811-61494406	5.8525	5.8953	0.0105	0.948995
<i>Zswim7</i>	chr11:62267223-62281375	4.4180	4.4940	0.0246	0.876831
<i>Cox11</i>	chr11:90638172-90644931	7.1539	6.8935	-0.0535	0.716958
<i>Arl5c</i>	chr11:97989577-97996181	65.0223	64.8472	-0.0039	0.953103
<i>1110002L01Rik</i>	chr12:3403877-3427011	6.8252	6.6448	-0.0386	0.555616
<i>Fam179b</i>	chr12:64965741-65022573	27.5721	26.8966	-0.0358	0.647998
<i>Rps6kl1</i>	chr12:85135595-85151264	1.1676	1.1162	-0.0650	0.539691
<i>Gm16085</i>	chr12:107129680-107132576	4.7018	4.4469	-0.0804	0.717399
<i>Yy1</i>	chr12:108792972-108816632	43.0377	41.9589	-0.0366	0.654769
<i>Exoc2</i>	chr13:30813918-30974047	35.8456	34.9917	-0.0348	0.567765
<i>Fam193b</i>	chr13:55539318-55571120	23.0768	22.4554	-0.0394	0.735696
<i>Fastkd3</i>	chr13:68582247-68592279	7.5704	7.6100	0.0075	0.944309
<i>Tapt1</i>	chr5:44175163-44226606	55.3910	54.0458	-0.0355	0.646906
<i>Rasgef1b</i>	chr5:99217425-99252927	0.3753	0.3935	0.0686	0.892235
<i>Hscb</i>	chr5:110829069-110839777	23.0634	23.2166	0.0096	0.943114
<i>Pot1a</i>	chr6:25743736-25809246	7.4063	7.3988	-0.0015	0.982871
<i>Tgfb1</i>	chr7:25687001-25705077	12.2304	12.3212	0.0107	0.953562
<i>Prx</i>	chr7:27499323-27520214	0.2552	0.2410	-0.0831	0.754191
<i>Mex3b</i>	chr7:82867332-82871563	10.2444	9.9674	-0.0395	0.658177
<i>Zfp668</i>	chr7:127865169-127876828	7.5060	7.2748	-0.0451	0.756603
<i>Zbtb44</i>	chr9:31030643-31075879	11.6033	11.2911	-0.0394	0.751045
<i>Cnot10</i>	chr9:114585877-114640200	23.5310	22.9156	-0.0382	0.679105
<i>Syn1</i>	chrX:20860510-20921004	1.0968	1.0480	-0.0658	0.738594
<i>Prdx4</i>	chrX:155323917-155340754	2.4936	2.3912	-0.0605	0.694351
<i>Yy2</i>	chrX:157565946-157598650	5.2524	5.1104	-0.0395	0.585144
<i>Ppp1r16a</i>	chr15:76671614-76694919	3.8606	3.7186	-0.0540	0.746801
<i>Tef</i>	chr15:81802420-81826861	4.9697	4.9759	0.0018	0.981716
<i>Ddhd1</i>	chr14:45593173-45658143	9.3065	9.0700	-0.0371	0.630416
<i>Cab39l</i>	chr14:59440980-59548903	25.8378	25.1714	-0.0377	0.635151
<i>Mipep</i>	chr14:60784565-60903610	9.0637	8.7725	-0.0471	0.721512
<i>Cysltr2</i>	chr14:73029127-73049114	5.8292	5.9370	0.0264	0.944349
<i>Zfp758</i>	chr17:22361452-22377281	19.2858	18.6912	-0.0452	0.763757
<i>Bag6</i>	chr17:35135177-35147322	16.3513	15.8799	-0.0422	0.757863
<i>Man2a1</i>	chr17:64600735-64755110	25.6070	25.6604	0.0030	0.984151
<i>Lsg1</i>	chr16:30560493-30587592	14.4503	14.3947	-0.0056	0.914062
<i>Senp7</i>	chr16:56075408-56190011	17.5189	17.4776	-0.0034	0.951171
<i>Neat1</i>	chr19:5824707-5845478	14.3831	13.9664	-0.0424	0.775026
<i>Ms4a4d</i>	chr19:11536800-11558467	1.2924	1.2189	-0.0844	0.736733
<i>Cbwd1</i>	chr19:24919915-24961616	6.9710	7.0168	0.0094	0.954527

<i>Wbp1l</i>	chr19:46599083-46657389	23.0115	23.0293	0.0011	0.992938
<i>Casp8</i>	chr1:58795373-58847503	79.0868	77.2096	-0.0347	0.581873
<i>Tmbim1</i>	chr1:74288246-74305622	1.0684	1.0313	-0.0509	0.772963
<i>Edem3</i>	chr1:151755373-151822328	19.7945	19.2840	-0.0377	0.667687
<i>Cep350</i>	chr1:155844965-155972890	24.2593	23.6594	-0.0361	0.703248
<i>Cnst</i>	chr1:179546369-179627478	7.0083	6.8372	-0.0357	0.524153
<i>4930570N18Rik</i>	chr1:193203038-193226208	11.2454	11.4646	0.0279	0.884517
<i>Kdm3b</i>	chr18:34777007-34839370	21.6990	21.6790	-0.0013	0.990100
<i>Spata24</i>	chr18:35656689-35662186	3.0912	3.1683	0.0355	0.905635
<i>Rxra</i>	chr2:27676439-27762957	3.4251	3.4526	0.0115	0.952187
<i>Tor2a</i>	chr2:32757233-32762244	10.8463	10.8245	-0.0029	0.958336
<i>Rabgap1</i>	chr2:37443278-37566454	15.1345	14.7881	-0.0334	0.434541
<i>A330069E16Rik</i>	chr2:91237145-91238352	1.6170	1.5209	-0.0884	0.697997
<i>Oip5</i>	chr2:119609511-119618469	1.7416	1.6599	-0.0693	0.672920
<i>Ndufaf1</i>	chr2:119655445-119662827	14.0708	13.5927	-0.0499	0.722670
<i>Slc23a2</i>	chr2:132052495-132145108	7.7699	7.5557	-0.0403	0.713745
<i>Pde7a</i>	chr3:19223107-19311322	49.9642	48.7212	-0.0363	0.688025
<i>Rnf115</i>	chr3:96727610-96791155	37.0035	36.1056	-0.0354	0.572438
<i>Notch2</i>	chr3:98013537-98150367	13.9313	13.4747	-0.0481	0.804673
<i>Man1a2</i>	chr3:100562207-100685503	25.4445	24.8223	-0.0357	0.665859
<i>Focad</i>	chr4:88094628-88411011	8.6167	8.3863	-0.0391	0.715481
<i>Gm12846</i>	chr4:98664365-98666137	0.6554	0.7007	0.0964	0.891256
<i>Pef1</i>	chr4:130102557-130128135	10.9962	10.6655	-0.0440	0.657516
<i>Sf3b5</i>	chr10:13008449-13009182	47.8384	46.2592	-0.0484	0.767669
<i>Pex7</i>	chr10:19859928-19907689	7.7374	7.7632	0.0048	0.953547
<i>Hdac2</i>	chr10:36974543-37001889	25.1045	25.1601	0.0032	0.979660
<i>Ugp2</i>	chr11:21321137-21371201	12.2005	11.8530	-0.0417	0.704354
<i>Fam228a</i>	chr12:4713816-4738383	0.6175	0.6409	0.0536	0.875878
<i>Gm25821</i>	chr12:21287926-21288059	5.9713	5.5055	-0.1172	0.718999
<i>Pygl</i>	chr12:70190810-70231488	0.4483	0.4659	0.0554	0.895614
<i>Gfi1</i>	chr5:107716656-107726036	8.4607	8.4913	0.0052	0.967339
<i>Zfp61</i>	chr7:24291038-24301232	4.3376	4.3745	0.0122	0.953883
<i>Z310010J17Rik</i>	chr7:90124857-90129474	11.4995	11.7369	0.0295	0.911172
<i>Gm15774</i>	chr7:120872691-120875298	1.0347	0.9793	-0.0794	0.785872
<i>Mri1</i>	chr8:84249905-84257326	18.5361	18.0638	-0.0372	0.663870
<i>Zfp653</i>	chr9:22055459-22071345	11.5979	11.2530	-0.0436	0.686100
<i>Rp9</i>	chr9:22448310-22468356	69.3402	69.6710	0.0069	0.964147
<i>2210013O21Rik</i>	chrX:153723589-153741264	9.8432	9.5291	-0.0468	0.583129
<i>Timmdc1</i>	chr16:38498346-38522663	13.4907	13.1357	-0.0385	0.357518
<i>Ighmbp2</i>	chr19:3260923-3283017	6.8564	6.6475	-0.0446	0.687995
<i>Papss2</i>	chr19:32620004-32667187	0.8832	0.8409	-0.0710	0.682676
<i>Dnmbp</i>	chr19:43847966-43912392	3.8717	3.8914	0.0073	0.961449
<i>Trpm7</i>	chr2:126791564-126876230	27.5244	27.5142	-0.0005	0.995752
<i>Gm14455</i>	chr2:172425803-172440560	0.5030	0.5216	0.0522	0.864186
<i>Nelfcd</i>	chr2:174415803-174427502	16.2041	15.7675	-0.0394	0.656880
<i>S100a13</i>	chr3:90514434-90524581	48.4041	48.8146	0.0122	0.946566
<i>Anp32b</i>	chr4:46450901-46472657	9.4458	9.5615	0.0176	0.942783
<i>Oma1</i>	chr4:103313811-103371868	13.8838	13.5062	-0.0398	0.575761
<i>Echdc1</i>	chr10:29313165-29346661	17.7417	17.7436	0.0002	0.998264
<i>Gm4890</i>	chr8:79295122-79307685	2.6755	2.7024	0.0144	0.925782
<i>Lmbrd2</i>	chr15:9140620-9198318	4.1193	4.1576	0.0134	0.951352
<i>Crim1</i>	chr17:78200247-78376592	10.3435	10.0849	-0.0365	0.619949
<i>Naca</i>	chr10:128035345-128048637	13.0408	13.1578	0.0129	0.950857
<i>Wdr26</i>	chr1:181173227-181211552	32.1362	31.3970	-0.0336	0.623566
<i>Mov10</i>	chr3:104794835-104818563	11.0649	11.0698	0.0006	0.995807
<i>Ppia</i>	chr11:6415442-6419817	16.6261	16.1603	-0.0410	0.706262
<i>D930016D06Rik</i>	chr5:104525734-104554211	4.9777	4.8312	-0.0431	0.751175
<i>Zfp157</i>	chr5:138441467-138460694	5.0704	4.9315	-0.0401	0.658306
<i>Smg5</i>	chr3:88336259-88362337	36.3567	35.5741	-0.0314	0.314013
<i>A830073O21Rik</i>	chr7:73738892-73740917	0.6086	0.5693	-0.0964	0.793649
<i>Il17ra</i>	chr6:120463196-120483727	94.3733	91.6776	-0.0418	0.776200
<i>Ighj1</i>	chr12:113429780-113429833	16.2044	14.9330	-0.1179	0.832493
<i>Ing3</i>	chr6:21949570-21976038	13.1436	13.1117	-0.0035	0.947396
<i>Cryl1</i>	chr14:57275033-57398483	5.8988	5.9700	0.0173	0.926324
<i>Pbx3</i>	chr2:34171456-34373140	0.1467	0.1371	-0.0977	0.751107
<i>Utp6</i>	chr11:79932320-79962390	20.1845	20.1579	-0.0019	0.979922
<i>Smim5</i>	chr11:115899965-115906269	1.0376	0.9772	-0.0865	0.672872
<i>Gm20519</i>	chr9:21533626-21533985	2.1000	2.2039	0.0697	0.862101
<i>Fermt3</i>	chr19:6998957-7019469	104.5726	101.8095	-0.0386	0.723044
<i>Cry1</i>	chr10:85131701-85185054	13.9633	13.6307	-0.0348	0.485011
<i>Abcd4</i>	chr12:84602530-84617466	5.2588	5.0670	-0.0536	0.773130

<i>Tubgcp5</i>	chr7:55794147-55831447	15.0947	15.0686	-0.0025	0.973854
<i>Nme6</i>	chr9:109832748-109843116	1.8860	1.9153	0.0222	0.912359
<i>Mkks</i>	chr2:136873779-136891389	9.0193	8.7355	-0.0461	0.793920
<i>Ndufb5</i>	chr3:32736989-32751566	31.1832	31.3435	0.0074	0.963240
<i>Ero1l</i>	chr14:45283091-45318572	7.8787	7.6606	-0.0405	0.725012
<i>Gm13609</i>	chr2:32016643-32017344	5.3405	5.4839	0.0382	0.862225
<i>Gm16552</i>	chr5:121717665-121727403	1.2792	1.3363	0.0630	0.864558
<i>Ecd</i>	chr14:20319858-20348121	27.3469	26.6777	-0.0357	0.587261
<i>Gm26695</i>	chr17:23556768-23558313	10.9052	10.5298	-0.0505	0.770598
<i>Wash</i>	chr17:66111545-66120503	18.8810	18.9073	0.0020	0.987402
<i>Abat</i>	chr16:8513428-8621568	0.2298	0.2151	-0.0954	0.824940
<i>Pbx2</i>	chr17:34591265-34597400	15.3406	14.9663	-0.0356	0.631955
<i>2810021J22Rik</i>	chr11:58867215-58883288	6.1178	6.1329	0.0036	0.977795
<i>Thr6</i>	chr5:64953105-64960048	5.5278	5.5594	0.0082	0.960741
<i>Kpna1</i>	chr16:35978749-36037131	12.2357	11.9464	-0.0345	0.593232
<i>Bag2</i>	chr1:33745483-33757794	1.4566	1.4794	0.0225	0.908849
<i>Kctd10</i>	chr5:114363566-114380515	28.9898	28.2567	-0.0370	0.682917
<i>Gm5595</i>	chr7:42660104-42692718	0.5716	0.5406	-0.0803	0.672932
<i>Trim34b</i>	chr7:104300229-104336909	8.8563	8.5642	-0.0484	0.769359
<i>Gypc</i>	chr18:32528321-32560034	8.3813	8.4391	0.0099	0.958759
<i>Gm25363</i>	chr5:24820592-24820837	3.9052	4.0355	0.0473	0.846450
<i>1810034E14Rik</i>	chr13:64248745-64268145	14.0180	14.0995	0.0084	0.960865
<i>Herpud1</i>	chr8:94386437-94395377	53.7344	52.4008	-0.0363	0.668643
<i>Ehbp11</i>	chr19:5707375-5726317	11.0661	10.7983	-0.0353	0.642968
<i>Snord47</i>	chr1:161038081-161038158	79.6910	80.9816	0.0232	0.929278
<i>330002I08Rik</i>	chr2:150310934-150362765	2.1680	2.1910	0.0152	0.939456
<i>Gm12847</i>	chr4:115818856-115822655	4.6663	4.4119	-0.0809	0.758113
<i>Mipol1</i>	chr12:57230426-57497199	1.7141	1.7190	0.0042	0.966280
<i>Tmem68</i>	chr4:3549040-3574853	11.2790	11.2822	0.0004	0.996523
<i>Sirt1</i>	chr10:63319004-63381704	14.9523	14.5902	-0.0354	0.669659
<i>Cs</i>	chr10:128337831-128362479	64.9935	64.7338	-0.0058	0.932596
<i>Icam1</i>	chr9:21015959-21028797	44.2673	43.1649	-0.0364	0.701708
<i>Tbc1d2b</i>	chr9:90202046-90270804	14.5433	14.1691	-0.0376	0.732166
<i>Ccdc71</i>	chr9:108460517-108465945	17.5211	17.4949	-0.0022	0.980485
<i>Zhx1</i>	chr15:58047002-58076541	18.2063	18.1983	-0.0006	0.994173
<i>Mocs1</i>	chr17:49428361-49455435	7.4630	7.2634	-0.0391	0.542313
<i>Inpp5e</i>	chr2:26396248-26409203	17.3722	17.3234	-0.0041	0.955549
<i>Ccdc141</i>	chr2:77009901-77170636	0.1421	0.1455	0.0337	0.915225
<i>Usp48</i>	chr4:137593754-137658537	24.8335	24.1923	-0.0377	0.745676
<i>Vps52</i>	chr17:33955811-33966984	15.7614	15.3845	-0.0349	0.459138
<i>Snord49b</i>	chr11:62603078-62603150	12.0376	11.2207	-0.1014	0.806658
<i>Gm26830</i>	chr11:95669951-95672719	1.3498	1.2760	-0.0810	0.772053
<i>Tntt1</i>	chr7:4504569-4516382	1.6460	1.6761	0.0261	0.911441
<i>A730061H03Rik</i>	chr14:55559941-55560406	7.1910	6.8929	-0.0611	0.813969
<i>Rorc</i>	chr3:94372793-94398276	0.2128	0.2251	0.0808	0.867423
<i>Gm26860</i>	chr10:42761595-42763635	4.1590	4.2166	0.0198	0.930519
<i>Hnrmp3</i>	chr10:63014663-63024217	12.7535	12.7528	-0.0001	0.999272
<i>Snord37</i>	chr10:81178949-81179013	18.8002	17.6931	-0.0876	0.605898
<i>Mir3057</i>	chr10:81271596-81271687	11.9756	11.3146	-0.0819	0.780992
<i>Actr6</i>	chr10:89711972-89732295	18.9954	18.4617	-0.0411	0.760125
<i>Poc1b</i>	chr10:99107035-99198074	4.3698	4.2471	-0.0411	0.708821
<i>Tbc1d30</i>	chr10:121263823-121311189	0.8320	0.8001	-0.0563	0.721076
<i>Xrcc6bp1</i>	chr10:126868429-126901371	3.9545	3.9911	0.0133	0.931366
<i>Bloc1s1</i>	chr10:128917881-128924035	19.4672	18.9032	-0.0424	0.725234
<i>Zpbb</i>	chr11:11279625-11462408	2.1549	2.1757	0.0139	0.946931
<i>Psme4</i>	chr11:30771725-30880361	20.8029	20.3320	-0.0330	0.646323
<i>Rars</i>	chr11:35808380-35834506	32.3472	32.2684	-0.0035	0.960171
<i>Shmt1</i>	chr11:60788103-60811718	7.6093	7.6002	-0.0017	0.977323
<i>Kdm6bos</i>	chr11:69401512-69402700	3.3550	3.4154	0.0258	0.911428
<i>Efnb3</i>	chr11:69554091-69560205	0.2468	0.2292	-0.1070	0.775539
<i>Slc16a13</i>	chr11:70216788-70220994	2.3156	2.2373	-0.0497	0.620458
<i>Snord42a</i>	chr11:78181298-78181363	18.7671	19.3827	0.0466	0.874263
<i>Rffl</i>	chr11:82802448-82871210	9.3731	9.3619	-0.0017	0.987071
<i>Psmd3</i>	chr11:98682553-98695979	16.8585	16.4240	-0.0377	0.755749
<i>Rdm1</i>	chr11:101627194-101636100	7.6326	7.3861	-0.0474	0.747315
<i>Ern1</i>	chr11:106394649-106487852	1.7058	1.7174	0.0098	0.957520
<i>Psmd12</i>	chr11:107479483-107504362	20.7982	20.7366	-0.0043	0.954949
<i>Atp5h</i>	chr11:115415688-115419962	49.4593	49.4594	0.0000	0.999999
<i>Sypl</i>	chr12:32953890-32979050	1.2991	1.3127	0.0150	0.952600
<i>Gm20069</i>	chr12:102612679-102618516	28.2320	28.4048	0.0088	0.957482
<i>Papola</i>	chr12:105784693-105838944	38.9791	38.0924	-0.0332	0.643342

<i>Wdr20</i>	chr12:110737948-110795028	16.6866	16.6405	-0.0040	0.949921
<i>Gm11398</i>	chr13:23620729-23621049	3.5637	3.3436	-0.0920	0.766217
<i>Gm17364</i>	chr13:41273802-41273977	10.8451	11.5233	0.0875	0.889965
<i>Phf2</i>	chr13:48801749-48870885	11.0837	10.7774	-0.0404	0.762605
<i>Gm5141</i>	chr13:62773607-62777089	6.5984	6.3879	-0.0468	0.708469
<i>Papd7</i>	chr13:69497958-69533839	5.8648	5.8975	0.0080	0.965513
<i>Arsk</i>	chr13:76060421-76098660	4.0637	4.0652	0.0006	0.995804
<i>Ankrd32</i>	chr13:77043087-77135473	8.0615	8.0736	0.0022	0.988407
<i>Gm25219</i>	chr5:23487393-23487723	22.4858	21.7605	-0.0473	0.699043
<i>Hadha</i>	chr5:30118300-30155162	34.7527	34.6368	-0.0048	0.948430
<i>Abli2</i>	chr5:35757879-35884973	0.3225	0.3301	0.0333	0.883246
<i>Gm15975</i>	chr5:55624187-55625593	0.6584	0.6162	-0.0957	0.738725
<i>Usp46os2</i>	chr5:74032268-74039996	0.7905	0.8354	0.0797	0.861929
<i>Srrd</i>	chr5:112337391-112343040	7.8257	7.6012	-0.0420	0.679513
<i>Rbm19</i>	chr5:120116509-120197979	19.0271	18.9587	-0.0052	0.921563
<i>Aldh2</i>	chr5:121566026-121593824	0.3267	0.3076	-0.0871	0.832525
<i>Gm15842</i>	chr5:122302421-122303039	4.5056	4.3209	-0.0604	0.788387
<i>Gigyf1</i>	chr5:137518879-137527934	7.9492	7.9860	0.0067	0.970558
<i>Ppp1r35</i>	chr5:137778848-137780110	15.8623	15.9568	0.0086	0.954590
<i>A430033K04Rik</i>	chr5:138622858-138648903	5.2798	5.1275	-0.0422	0.755521
<i>5730422E09Rik</i>	chr5:149119564-149184063	1.2004	1.1394	-0.0752	0.745518
<i>Bet1</i>	chr6:4076898-4086972	5.6920	5.7156	0.0060	0.964455
<i>Ggct</i>	chr6:54982579-54992950	7.3982	7.2020	-0.0388	0.602026
<i>Gm20696</i>	chr6:99257483-99666797	17.3853	16.8553	-0.0447	0.815407
<i>Cd9</i>	chr6:125460265-125494791	7.5541	7.3021	-0.0490	0.769483
<i>Wbp11</i>	chr6:136813653-136828233	12.5950	12.5663	-0.0033	0.968459
<i>Pyroxd1</i>	chr6:142345653-142363257	14.4081	14.0518	-0.0361	0.656456
<i>Caprin2</i>	chr6:148842491-148896237	1.5846	1.5368	-0.0442	0.793171
<i>Map3k10</i>	chr7:27656374-27674598	3.3046	3.2050	-0.0442	0.733734
<i>Zfp626</i>	chr7:27810812-27818669	15.4190	14.8844	-0.0509	0.808790
<i>NA</i>	chr7:28399548-28598144	3.0286	3.0345	0.0028	0.977232
<i>Hspb6</i>	chr7:30552177-30555443	3.2721	3.3036	0.0138	0.934980
<i>Nr1h2</i>	chr7:44549615-44553951	25.0431	24.3896	-0.0381	0.743017
<i>Gm26646</i>	chr7:79916951-79920606	3.3118	3.1879	-0.0550	0.706104
<i>Bub3</i>	chr7:131560390-131571898	48.4140	48.2997	-0.0034	0.966928
<i>Gm15718</i>	chr7:132979581-132983552	2.6587	2.7790	0.0638	0.871299
<i>Elavl1</i>	chr8:4284781-4325100	15.8267	15.4831	-0.0317	0.378036
<i>Gm16725</i>	chr8:18652800-18678056	0.8316	0.7790	-0.0943	0.850923
<i>Mboat4</i>	chr8:34115029-34125185	1.3442	1.2716	-0.0801	0.763787
<i>Fkbp8</i>	chr8:70527723-70535328	52.9415	52.7917	-0.0041	0.966679
<i>Ssbp4</i>	chr8:70597490-70608314	43.7049	42.5483	-0.0387	0.754752
<i>Elmo3</i>	chr8:105305600-105310623	5.6114	5.4466	-0.0430	0.533033
<i>Tango6</i>	chr8:106683067-106851439	4.1261	4.0205	-0.0374	0.625434
<i>Irf2bp2</i>	chr8:126588295-126593436	50.8868	49.7181	-0.0335	0.643550
<i>Eif3g</i>	chr9:20894351-20898600	101.9747	102.0416	0.0009	0.994328
<i>Mpzl3</i>	chr9:45055185-45077436	2.4634	2.3879	-0.0449	0.676357
<i>Slc6a20b</i>	chr9:123593819-123632565	0.7405	0.7134	-0.0538	0.481171
<i>Mtm1</i>	chrX:71210766-71315691	1.3538	1.3561	0.0024	0.980703
<i>Rpl10</i>	chrX:74270811-74273135	25.5983	24.9153	-0.0390	0.728153
<i>Slc25a32</i>	chr15:39094190-39112716	14.1552	14.1677	0.0013	0.991246
<i>Pkhd1l1</i>	chr15:44457552-44597143	0.0650	0.0677	0.0595	0.824705
<i>Nsmce2</i>	chr15:59374197-59601683	5.8652	5.8807	0.0038	0.976877
<i>Chrac1</i>	chr15:73090391-73097554	16.1703	16.1308	-0.0035	0.971329
<i>Xpnpep3</i>	chr15:81400137-81456807	3.3831	3.3830	0.0000	0.999511
<i>Tcf20</i>	chr15:82808628-82912134	103.4563	100.8825	-0.0363	0.714368
<i>Alg12</i>	chr15:88805243-88819318	11.7340	11.7516	0.0022	0.988159
<i>Zcrb1</i>	chr15:93386096-93398334	12.9545	12.6255	-0.0371	0.660625
<i>Scaf11</i>	chr15:96411697-96460843	33.4775	33.2709	-0.0089	0.766111
<i>Kansl2</i>	chr15:98518820-98534244	4.8487	4.8686	0.0059	0.953658
<i>Atf1</i>	chr15:100227818-100261244	7.0827	7.0877	0.0010	0.990276
<i>Dennd6a</i>	chr14:26579577-26633394	17.3706	17.2968	-0.0061	0.869058
<i>Capn7</i>	chr14:31336637-31371986	37.8275	37.6636	-0.0063	0.928636
<i>Mphosph8</i>	chr14:56668247-56697430	16.0922	15.6895	-0.0366	0.672967
<i>Gtf2f2</i>	chr14:75896936-76010865	24.9416	24.9560	0.0008	0.993914
<i>Acat3</i>	chr17:12923832-12940402	25.6717	25.7130	0.0023	0.986052
<i>2210404O09Rik</i>	chr17:21879569-21908092	4.9501	4.7816	-0.0500	0.836351
<i>1700022N22Rik</i>	chr17:25985814-25988469	1.0347	1.0882	0.0728	0.837482
<i>ltfg3</i>	chr17:26211821-26244223	5.7577	5.7846	0.0067	0.971478
<i>NA</i>	chr17:30485510-30485963	1.7407	1.6248	-0.0994	0.765004
<i>Akap8</i>	chr17:32303675-32321153	96.2164	95.6369	-0.0087	0.797997
<i>Egfl8</i>	chr17:34613348-34615971	3.1733	3.1961	0.0103	0.948581

<i>C4a</i>	chr17:34809091-34823464	0.2107	0.2167	0.0406	0.881438
<i>Cfb</i>	chr17:34856373-34862518	0.5294	0.4976	-0.0893	0.755230
<i>Klc4</i>	chr17:46630630-46645144	7.5349	7.3198	-0.0418	0.713265
<i>Nmral1</i>	chr16:4710058-4719356	1.2173	1.1634	-0.0653	0.757490
<i>Rfc4</i>	chr16:23113942-23127737	12.9394	12.5682	-0.0420	0.636190
<i>Mrpl21</i>	chr19:3282900-3292837	15.0961	14.6253	-0.0457	0.806804
<i>Ccdc85b</i>	chr19:5456788-5457397	29.1245	28.0879	-0.0523	0.837693
<i>Uqcc3</i>	chr19:8880015-8880933	40.4335	40.6617	0.0081	0.966705
<i>Sec31b</i>	chr19:44516956-44545864	2.2259	2.1485	-0.0511	0.658044
<i>Ldb1</i>	chr19:46032592-46045214	94.5524	94.2412	-0.0048	0.953171
<i>Cuedc2</i>	chr19:46329811-46338660	16.0878	15.6481	-0.0400	0.703499
<i>Sfxn2</i>	chr19:46573364-46596898	8.3176	8.0735	-0.0430	0.666016
<i>Usmg5</i>	chr19:47083470-47090625	5.8630	5.5482	-0.0796	0.855509
<i>Terf1</i>	chr1:15805657-15843428	17.9348	17.9707	0.0029	0.975932
<i>Inpp1</i>	chr1:52789412-52817688	38.5888	37.7327	-0.0324	0.482864
<i>Rpe</i>	chr1:66700830-66719805	22.4440	22.4689	0.0016	0.990382
<i>Htr2b</i>	chr1:86099025-86111970	1.9695	2.0013	0.0231	0.907980
<i>Otos</i>	chr1:92644217-92648841	0.3274	0.3468	0.0829	0.866726
<i>Arl8a</i>	chr1:135146823-135156269	6.1140	6.1758	0.0145	0.939207
<i>Cacybp</i>	chr1:160202366-160212892	39.5076	38.2947	-0.0450	0.822163
<i>NA</i>	chr1:193207749-193254474	10.2311	9.7612	-0.0678	0.800561
<i>Bin1</i>	chr18:32377216-32435736	55.3171	53.9729	-0.0355	0.623846
<i>Afg3l2</i>	chr18:67404766-67449166	18.5828	18.1489	-0.0341	0.574088
<i>Scarna17</i>	chr18:74778390-74778469	39.0616	37.3283	-0.0655	0.768669
<i>Pmpca</i>	chr2:26389338-26397122	25.1608	24.6044	-0.0323	0.492682
<i>Lypd6b</i>	chr2:49787687-49948849	14.2218	13.8158	-0.0418	0.776162
<i>Gm13548</i>	chr2:52739070-52739455	2.3266	2.4157	0.0542	0.882020
<i>Ganc</i>	chr2:120403895-120461700	8.0124	7.9865	-0.0047	0.951592
<i>4930473A02Rik</i>	chr2:130543790-130563749	13.3112	13.3657	0.0059	0.965172
<i>A930019D19Rik</i>	chr2:146259285-146267160	1.2400	1.1696	-0.0842	0.821374
<i>Dsn1</i>	chr2:156995264-157007154	4.8731	4.7331	-0.0421	0.754053
<i>Ube2v1</i>	chr2:167607637-167632095	1.6952	1.7136	0.0155	0.922616
<i>Ptpn1</i>	chr2:167932056-167979385	24.8945	24.7956	-0.0057	0.925032
<i>Dpm1</i>	chr2:168209047-168230591	8.4474	8.4248	-0.0039	0.952918
<i>Pfdn4</i>	chr2:170496427-170519123	7.0351	6.8011	-0.0488	0.806212
<i>Gm14295</i>	chr2:176798611-176811223	1.5181	1.5381	0.0189	0.925942
<i>Gm9845</i>	chr3:39357393-39359128	0.5531	0.5174	-0.0963	0.640810
<i>Foxo1</i>	chr3:52268336-52350109	19.5826	19.5928	0.0008	0.995849
<i>Slc25a44</i>	chr3:88410497-88425139	12.4012	12.1016	-0.0353	0.625015
<i>Slc39a1</i>	chr3:90248171-90253612	9.5551	9.2981	-0.0393	0.624129
<i>Dennd2d</i>	chr3:106482404-106503030	90.0388	89.6360	-0.0065	0.932249
<i>Cccl1</i>	chr3:108653912-108678840	14.4778	14.1287	-0.0352	0.582379
<i>Snora24</i>	chr3:123507936-123508066	36.5007	34.9696	-0.0618	0.711910
<i>Meaf6</i>	chr4:125085133-125113238	4.8888	4.7660	-0.0367	0.637726
<i>Eif4g3</i>	chr4:137993021-138208508	14.1888	14.1890	0.0000	0.999884
<i>Angpt17</i>	chr4:148495182-148500460	0.7403	0.6991	-0.0826	0.858882
<i>Pgd</i>	chr4:149149990-149166771	7.4889	7.3038	-0.0361	0.640672
<i>Nron</i>	chr2:33805815-33813591	0.1975	0.2068	0.0667	0.858426
<i>Ddx31</i>	chr2:28840405-28905571	14.8377	14.4919	-0.0340	0.569127
<i>Angpt16</i>	chr9:20873808-20879727	7.1898	6.9346	-0.0521	0.772379
<i>Mir1839</i>	chr7:81529854-81529981	13.5556	12.7216	-0.0916	0.808641
<i>Tirap</i>	chr9:35184550-35200291	1.0555	1.0691	0.0185	0.932886
<i>Gm21986</i>	chrX:101295838-101321348	4.4918	4.5085	0.0054	0.974421
<i>Card6</i>	chr15:5095980-5108539	6.9455	6.9375	-0.0017	0.984981
<i>Clybl</i>	chr14:122181693-122402232	8.2497	7.9901	-0.0461	0.780733
<i>Thada</i>	chr17:84190055-84466196	22.5962	22.5267	-0.0044	0.959669
<i>Gm16152</i>	chr1:38384948-38393974	1.6235	1.5481	-0.0686	0.810081
<i>Rps6kc1</i>	chr1:190700201-190911770	2.6414	2.5773	-0.0354	0.555937
<i>Pla2g12a</i>	chr3:129878621-129895821	6.5959	6.6175	0.0047	0.964812
<i>Sf3a3</i>	chr4:124714775-124732460	31.2753	30.5068	-0.0359	0.689178
<i>Z310011J03Rik</i>	chr10:80318253-80320537	23.2230	22.5727	-0.0410	0.763836
<i>Hk2</i>	chr6:82725024-82774454	1.1085	1.1187	0.0132	0.937302
<i>Egln3</i>	chr12:54178980-54203860	1.2601	1.2018	-0.0683	0.832646
<i>Neurl4</i>	chr11:69901071-69913820	14.6246	14.5818	-0.0042	0.964930
<i>Ptrh2</i>	chr11:86683984-86692457	9.9331	9.6587	-0.0404	0.704922
<i>Nt5c3</i>	chr6:56882399-56923932	14.3504	14.3022	-0.0049	0.947445
<i>Zfp426</i>	chr9:20468548-20492746	11.2409	11.2380	-0.0004	0.997519
<i>4930483K19Rik</i>	chr10:76545870-76562226	1.4927	1.4198	-0.0723	0.787482
<i>Parppb</i>	chr10:88091431-88146941	1.1970	1.1431	-0.0665	0.832147
<i>Scyl2</i>	chr10:89638720-89686285	8.1681	8.1324	-0.0063	0.895365
<i>Dtx3</i>	chr10:127190377-127195728	13.0826	13.0687	-0.0015	0.987976

Gm11948	chr11:3353572-3354911	2.1919	2.0478	-0.0981	0.825286
Zfp879	chr11:50832030-50841552	0.4851	0.4552	-0.0918	0.814215
Z310033P09Rik	chr11:59208320-59210738	18.4210	18.4325	0.0009	0.994758
Trim37	chr11:87127076-87220683	6.1280	6.1080	-0.0047	0.954009
Itga3	chr11:95044473-95076801	0.2697	0.2564	-0.0730	0.737976
Gm11539	chr11:96248632-96249189	2.4424	2.3142	-0.0778	0.783393
Hdac5	chr11:102194431-102230166	4.7442	4.7443	0.0000	0.999925
Ccdc146	chr5:21292960-21424677	0.2098	0.2190	0.0625	0.877681
Paxip1	chr5:27740666-27791339	9.4417	9.4139	-0.0043	0.955845
D5ErtD579e	chr5:36584877-36696024	7.9546	7.7699	-0.0339	0.680142
Enoph1	chr5:100039993-100068762	11.6300	11.6279	-0.0003	0.997696
Zfp326	chr5:105876564-105915818	4.3219	4.3202	-0.0006	0.996133
Brdt	chr5:107331158-107387058	0.3837	0.3918	0.0302	0.918317
Gm20499	chr5:114809035-114823460	10.5497	10.1390	-0.0573	0.825822
Cops7a	chr6:124958412-124965538	13.2501	12.9270	-0.0356	0.607609
Ccdc97	chr7:25711105-25719088	6.2091	6.0260	-0.0432	0.798357
Wdr62	chr7:30240137-30280419	0.6536	0.6655	0.0259	0.914502
Etfb	chr7:43444107-43457800	16.3843	15.9274	-0.0408	0.653264
Z410002F23Rik	chr7:44246721-44262720	19.0399	18.9364	-0.0079	0.913825
Tead2	chr7:45215752-45233635	0.6932	0.7037	0.0217	0.876980
Nucb1	chr7:45492873-45510406	16.8788	16.4419	-0.0378	0.757500
Ctsc	chr7:88278084-88310888	30.1405	30.0123	-0.0061	0.930652
Trim12c	chr7:104338753-104353362	37.9572	36.8401	-0.0431	0.797504
Tnrc6a	chr7:123123884-123195288	29.6152	28.9889	-0.0308	0.621693
Pex11g	chr8:3457104-3467680	5.7840	5.7755	-0.0021	0.983156
Tmem161a	chr8:70172355-70183681	8.6469	8.3956	-0.0425	0.758624
St14	chr9:31089401-31131853	0.2188	0.2296	0.0696	0.916941
Klhdc8b	chr9:108447657-108452377	0.7441	0.7031	-0.0817	0.803399
Gm4784	chrX:109388743-109392165	0.6098	0.5710	-0.0948	0.818604
Oc90	chr15:65876052-65912397	0.4238	0.4413	0.0586	0.850997
Ripk3	chr14:55784995-55788857	20.8494	20.3096	-0.0378	0.682953
Fance	chr17:28313529-28326568	5.8826	5.7198	-0.0405	0.674182
Gm26858	chr17:32369304-32378445	1.9440	1.8747	-0.0524	0.749426
Pot1b	chr17:55652024-55712628	11.3880	11.3605	-0.0035	0.958985
Wdr53	chr16:32247226-32257083	9.3165	9.0539	-0.0412	0.596553
Iqcb1	chr16:36828384-36872721	1.5252	1.4687	-0.0545	0.818330
Gm16538	chr19:5727205-5731627	7.3083	7.0112	-0.0599	0.766530
Rom1	chr19:8927381-8929356	13.5609	13.5906	0.0031	0.980463
Gm23722	chr1:39573745-39573875	11.0383	11.4014	0.0467	0.856398
Nck2	chr1:43445750-43570515	10.9730	10.9956	0.0030	0.982400
Gpr21	chr2:37516331-37520603	1.1427	1.1557	0.0163	0.914400
Rif1	chr2:52072836-52122383	34.7706	34.7068	-0.0026	0.979557
Gm9821	chr2:91945702-91947655	5.3489	5.4171	0.0183	0.953179
Slc30a4	chr2:122681232-122702663	13.6319	13.2919	-0.0364	0.767689
Gm14048	chr2:130880865-130882133	2.7531	2.7900	0.0192	0.885172
Eif2s2	chr2:154871409-154892935	10.0332	10.0202	-0.0019	0.986017
Gcnt7	chr2:172450312-172458596	5.0715	4.9195	-0.0439	0.743204
Gm15444	chr3:96209626-96220168	7.4123	7.5665	0.0297	0.897744
Igsf3	chr3:101377124-101463060	0.9647	0.9691	0.0066	0.972559
Gtf2b	chr3:142765225-142783603	38.2270	37.2120	-0.0388	0.713710
Cdc26	chr4:62383653-62408642	3.6457	3.6418	-0.0015	0.978583
Uqcrh	chr4:116066964-116075071	129.8751	131.9287	0.0226	0.925611
Wasf2	chr4:133130504-133199756	14.8154	14.8004	-0.0015	0.990926
Gm10509	chr17:21690765-21691024	4.2658	4.4090	0.0476	0.910366
Gm13039	chr4:143166602-143167396	1.0302	0.9380	-0.1353	0.838665
Ptbp1	chr10:79854426-79864771	46.9488	45.8929	-0.0328	0.647779
Rnasek	chr11:70238123-70239842	14.8141	14.9712	0.0152	0.949457
Nmt1	chr11:103028189-103068912	21.4122	21.2813	-0.0089	0.841166
Hist1h4c	chr13:23698059-23698454	153.3718	148.7643	-0.0440	0.821743
Evi5l	chr8:4166566-4211257	1.4591	1.4189	-0.0403	0.780034
Agpat6	chr8:23172945-23208453	19.6981	19.2435	-0.0337	0.652255
Nacc1	chr8:84670482-84687862	10.5751	10.3203	-0.0352	0.729077
Btd	chr14:31641027-31668579	6.5107	6.5336	0.0051	0.975949
Sorbs1	chr19:40295048-40402267	2.5024	2.5331	0.0176	0.948705
Hnrnpu	chr1:178323073-178337797	165.0589	163.9252	-0.0099	0.757111
Fbxo3	chr2:104027720-104063240	13.6368	13.3434	-0.0314	0.521731
Csnk1g2	chr10:80622779-80640771	80.2492	80.0733	-0.0032	0.978663
Ptpn9	chr9:56994967-57062805	5.0104	4.8735	-0.0399	0.687164
Lbh	chr17:72918304-72941942	67.2639	67.0706	-0.0042	0.966376
MacroD1	chr19:7056767-7198061	6.3595	6.4012	0.0094	0.939627
Ppp1r7	chr1:93342853-93373489	5.0474	5.0355	-0.0034	0.972179

<i>Paip2</i>	chr18:35598616-35617186	65.1104	65.2357	0.0028	0.985704
<i>Snx5</i>	chr2:144250122-144270906	68.2230	67.9381	-0.0060	0.940028
<i>Rnf11</i>	chr4:109451097-109484728	6.4085	6.4122	0.0008	0.994286
<i>Cops3</i>	chr11:59817794-59839838	27.1084	26.4806	-0.0338	0.673916
<i>Ccdc137</i>	chr11:120458114-120464358	9.9781	9.9361	-0.0061	0.901614
<i>Prkag2os2</i>	chr5:24873543-24875934	3.7432	3.8018	0.0224	0.930406
<i>Rps19</i>	chr7:24884370-24889806	72.2963	70.0926	-0.0447	0.832290
<i>Lysmd4</i>	chr7:67222543-67228468	2.9333	2.9387	0.0026	0.985631
<i>Lat</i>	chr7:126363831-126369543	354.6531	346.3655	-0.0341	0.709796
<i>Pomk</i>	chr8:25980603-25994121	5.0402	5.0263	-0.0040	0.962262
<i>Rbmx1</i>	chr8:78505270-78508928	4.0362	4.0666	0.0108	0.939846
<i>Rad23a</i>	chr8:84834018-84840665	40.7052	40.5717	-0.0047	0.958124
<i>Agrp</i>	chr8:105566699-105568298	2.0258	2.0842	0.0410	0.877320
<i>Rab26os</i>	chr17:24528247-24528744	14.5809	14.0579	-0.0527	0.815454
<i>Rpl36</i>	chr17:56613394-56614243	15.2603	15.3953	0.0127	0.960271
<i>B130034C11Rik</i>	chr16:87495998-87504033	1.7890	1.7288	-0.0494	0.575067
<i>Ckap5</i>	chr2:91526761-91620664	18.6393	18.5484	-0.0071	0.926792
<i>Spata2</i>	chr2:167481132-167492887	4.7932	4.6650	-0.0391	0.759433
<i>Casz1</i>	chr4:14880428-148954889	0.6328	0.6111	-0.0504	0.766510
<i>N6amt1</i>	chr16:87354184-87368742	3.9094	3.7976	-0.0418	0.737606
<i>Rnf146</i>	chr10:29344177-29362442	25.5063	24.9679	-0.0308	0.573040
<i>Lims1</i>	chr10:58323465-58424691	46.1671	45.9229	-0.0077	0.901899
<i>Bcr</i>	chr10:75060895-75184923	4.5356	4.4191	-0.0376	0.773002
<i>Cstb</i>	chr10:78425669-78427619	25.2295	24.2811	-0.0553	0.848263
<i>Cnn2</i>	chr10:79988583-79996062	317.8300	317.4425	-0.0018	0.989129
<i>Tcf3</i>	chr10:80409513-80433647	20.3802	19.8573	-0.0375	0.779795
<i>Mterf2</i>	chr10:85119434-85128027	14.5971	14.2128	-0.0385	0.693299
<i>Gm25117</i>	chr10:111481492-111481636	45.2828	45.7544	0.0149	0.964187
<i>Cnot8</i>	chr11:58104152-58118594	28.9087	28.2933	-0.0310	0.620007
<i>Gid4</i>	chr11:60417144-60450927	12.6781	12.3923	-0.0329	0.679100
<i>Trappc1</i>	chr11:69323979-69325793	18.2766	18.2636	-0.0010	0.993612
<i>Nufip2</i>	chr11:77686154-77741921	51.2715	51.1276	-0.0041	0.966784
<i>Gm11604</i>	chr11:98185365-98186107	2.0022	2.0576	0.0393	0.904124
<i>Kat2a</i>	chr11:100704745-100712465	15.9611	15.9062	-0.0050	0.962119
<i>Rab37</i>	chr11:115091430-115162236	14.8295	14.7674	-0.0061	0.950182
<i>Grb2</i>	chr11:115644044-115708597	12.6748	12.6387	-0.0041	0.961713
<i>Galk1</i>	chr11:116008456-116012719	17.2974	16.7916	-0.0428	0.783579
<i>Tk1</i>	chr11:117815525-117826092	1.7561	1.6983	-0.0483	0.825024
<i>Asxl2</i>	chr12:3426856-3506852	13.9635	13.9117	-0.0054	0.956350
<i>Sptssa</i>	chr12:54645373-54656572	30.3020	29.4775	-0.0398	0.806643
<i>Ctage5</i>	chr12:59129719-59191583	18.1176	17.7295	-0.0312	0.671484
<i>Arf6</i>	chr12:69372149-69375979	115.7023	113.1175	-0.0326	0.700858
<i>Dhrs7</i>	chr12:72650355-72664828	20.4925	20.4132	-0.0056	0.932182
<i>Wdr89</i>	chr12:75630593-75669537	7.6629	7.6474	-0.0029	0.978059
<i>Gstz1</i>	chr12:87147706-87164721	8.9222	8.6756	-0.0404	0.611853
<i>Gm26764</i>	chr12:87332487-87335655	1.2882	1.2362	-0.0594	0.772506
<i>Gm6863</i>	chr12:96922419-96923061	15.2740	15.4225	0.0140	0.954044
<i>Ripk1</i>	chr13:34002362-34035170	25.2942	25.1300	-0.0094	0.761156
<i>Bicd2</i>	chr13:49341548-49387025	13.8314	13.5292	-0.0319	0.612949
<i>Cep72</i>	chr13:74036494-74062285	3.2671	3.1565	-0.0497	0.802844
<i>Tbca</i>	chr13:94788942-94842899	48.5841	48.9262	0.0101	0.965890
<i>NA</i>	chr13:109954108-109955963	7.9463	7.9740	0.0050	0.975466
<i>Rab28</i>	chr5:41624975-41708155	10.2519	10.2829	0.0044	0.976973
<i>Gm2986</i>	chr5:93195797-93196179	3.9762	3.7392	-0.0887	0.847532
<i>Antxr2</i>	chr5:97882782-98030733	11.1044	10.8428	-0.0344	0.647361
<i>Chek2</i>	chr5:110840016-110874133	5.2276	5.2342	0.0018	0.990398
<i>Ncf1</i>	chr5:134220052-134229625	21.6720	21.6224	-0.0033	0.980396
<i>Fam3c</i>	chr6:22306519-22356243	29.6670	29.0232	-0.0317	0.583852
<i>Zfp212</i>	chr6:47920475-47932639	9.4996	9.4708	-0.0044	0.960600
<i>Zfp777</i>	chr6:48024187-48048911	15.0579	15.0180	-0.0038	0.969685
<i>Nagk</i>	chr6:83794981-83803420	3.8751	3.7669	-0.0409	0.721303
<i>Art4</i>	chr6:136848450-136857733	7.8290	7.6152	-0.0400	0.797192
<i>Zfp444</i>	chr7:6172225-6191349	5.1762	5.1834	0.0020	0.984301
<i>Il4i1</i>	chr7:44816369-44840809	1.5001	1.4544	-0.0446	0.726336
<i>Ipo7</i>	chr7:110018424-110055114	55.1757	53.9473	-0.0325	0.658913
<i>Tbc1d10b</i>	chr7:127197464-127208468	17.5405	17.1006	-0.0366	0.770567
<i>Tnt3</i>	chr7:142498835-142516009	3.0898	2.9790	-0.0527	0.756974
<i>Tmem192</i>	chr8:64947184-64969034	15.3073	15.3287	0.0020	0.988018
<i>1700030K09Rik</i>	chr8:72443879-72461001	3.3709	3.2725	-0.0427	0.700477
<i>Cherp</i>	chr8:72460488-72475233	7.6845	7.4614	-0.0425	0.821818
<i>Trmt1</i>	chr8:84686306-84699808	16.4269	16.0686	-0.0318	0.548547

Vps4a	chr8:107031221-107045755	32.7138	32.5584	-0.0069	0.890777
Gabarapl2	chr8:111940702-111953612	4.4424	4.4453	0.0009	0.994024
Gm20406	chr8:121806414-121807369	6.6289	6.3731	-0.0568	0.744753
Cyba	chr8:122424771-122432940	156.9797	156.8804	-0.0009	0.995220
Bcl9l	chr9:44499135-44510388	6.7570	6.8054	0.0103	0.970690
Map2k5	chr9:63163768-63377902	13.6813	13.3336	-0.0371	0.726203
Parp16	chr9:65214689-65239219	2.0727	1.9997	-0.0517	0.835489
Oaz2	chr9:65668000-65690300	3.2235	3.2402	0.0074	0.951985
Phip	chr9:82866158-82975489	38.7292	38.5930	-0.0051	0.957913
Pxylp1	chr9:96823343-96892669	5.0285	5.0128	-0.0045	0.956313
Manf	chr9:106838311-106891979	20.1925	19.7107	-0.0348	0.724897
Hemk1	chr9:107327691-107338350	1.8168	1.7529	-0.0517	0.780413
Araf	chrX:20797813-20860519	19.2535	18.8117	-0.0335	0.709865
Dock11	chrX:35888831-36076562	81.1680	79.3291	-0.0331	0.740588
Irak1	chrX:74013913-74023918	23.5629	23.4829	-0.0049	0.966315
Gdi1	chrX:74304997-74311862	27.8736	27.7076	-0.0086	0.898021
Prrg1	chrX:78449612-78583896	1.5274	1.4810	-0.0445	0.790566
Foxred2	chr15:77940521-77956722	1.8832	1.8974	0.0108	0.963496
Cyb5r3	chr15:83153493-83172592	8.5395	8.5634	0.0040	0.983441
Sco2	chr15:89371638-89373818	23.5241	23.4674	-0.0035	0.975840
Gm16046	chr17:13675661-13683516	0.9171	0.9496	0.0503	0.890419
Gnptg	chr17:25233330-25240124	28.5845	27.8857	-0.0357	0.688305
Decr2	chr17:26081210-26090329	4.4650	4.3288	-0.0447	0.791865
B230354K17Rik	chr17:45433851-45442544	4.9207	4.9324	0.0034	0.984901
Z510009E07Rik	chr16:21649044-21694665	1.2931	1.2509	-0.0478	0.753826
1300002E11Rik	chr16:21794346-21809037	6.4708	6.4653	-0.0012	0.991909
Ubxn7	chr16:32332251-32393747	20.1059	19.9743	-0.0095	0.742374
Cryz1	chr16:91689321-91728975	5.3165	5.1786	-0.0379	0.688865
C2cd2	chr16:97855209-97922633	3.3580	3.2764	-0.0355	0.646359
Zbtb21	chr16:97947434-97962621	6.4789	6.3309	-0.0333	0.630267
Carns1	chr19:4164323-4175479	6.9248	6.9268	0.0004	0.997397
Cyb561a3	chr19:10577453-10588548	11.5086	11.5052	-0.0004	0.997112
Gm15959	chr19:60815448-60815816	2.5431	2.3917	-0.0886	0.829312
Ttll4	chr1:74661744-74701832	11.6307	11.3695	-0.0328	0.722182
C430014B12Rik	chr1:82691927-82725117	5.4016	5.4890	0.0231	0.945653
NA	chr1:137932040-137933296	1.4129	1.3414	-0.0749	0.782626
Acbd3	chr1:180726042-180754203	22.4132	21.9318	-0.0313	0.628855
Tatdn3	chr1:191045825-191062932	4.5997	4.4699	-0.0413	0.702385
Esco1	chr18:10566601-10610352	33.4040	33.3495	-0.0024	0.983649
Srp19	chr18:34330846-34336599	14.9656	14.5717	-0.0385	0.768990
Gm6542	chr18:36609957-36610729	4.5520	4.3722	-0.0581	0.814838
Tor4a	chr2:25192965-25196886	42.3591	41.3829	-0.0336	0.668171
Edf1	chr2:25557846-25562082	53.6645	52.0465	-0.0442	0.832420
O610009E02Rik	chr2:26445695-26459390	9.4001	9.0874	-0.0488	0.852050
Eng	chr2:32646594-32682669	2.8755	2.7899	-0.0436	0.801805
Gm13436	chr2:36807807-36808425	99.1443	99.7468	0.0087	0.971241
Scai	chr2:39066213-39190730	9.7449	9.5192	-0.0338	0.765218
Gm13561	chr2:62357070-62470913	4.3152	4.3316	0.0055	0.971627
Mtch2	chr2:90847154-90866810	9.7874	9.5683	-0.0327	0.571860
Arl14ep	chr2:106962526-106974424	10.5256	10.2778	-0.0344	0.623628
Lrrc57	chr2:120604237-120609520	9.2638	9.0241	-0.0378	0.659050
Cdc25b	chr2:131186948-131198497	21.2625	20.6907	-0.0393	0.806595
Psmf1	chr2:151715811-151744186	6.2948	6.1531	-0.0328	0.671538
Sema4a	chr3:88435958-88461182	35.5098	34.5937	-0.0377	0.789454
4930481B07Rik	chr3:95015624-95020138	3.6616	3.7007	0.0153	0.944187
Gm20633	chr3:96243549-96246380	2.7685	2.6822	-0.0457	0.822101
Hadh	chr3:131233418-131272101	7.6988	7.5137	-0.0351	0.676855
NA	chr4:32243732-32246475	6.1412	6.1723	0.0073	0.971746
D630039A03Rik	chr4:57908482-57916297	0.4188	0.3953	-0.0834	0.762586
Tctex1d4	chr4:117126793-117128738	1.4882	1.5251	0.0353	0.931936
Fhl3	chr4:124700700-124708611	3.8388	3.7145	-0.0475	0.741711
Trnau1ap	chr4:132311762-132329538	12.0337	11.7347	-0.0363	0.641679
Pafah2	chr4:134396319-134427413	0.7773	0.7858	0.0156	0.922221
Z510039O18Rik	chr4:147940894-147947314	39.7632	38.8879	-0.0321	0.669322
NA	chr10:7792522-7792822	3.7280	3.4848	-0.0973	0.833494
Mir22hg	chr11:75461538-75466676	0.4502	0.4167	-0.1115	0.791917
Zfp64	chr2:168893330-168955587	5.5749	5.4399	-0.0353	0.762715
Gm4799	chr10:82954343-82955000	2.2183	2.1131	-0.0701	0.733639
1500009L16Rik	chr10:83722864-83762761	0.8785	0.9034	0.0403	0.928999
Timm22	chr11:76406951-76416292	6.3673	6.1984	-0.0388	0.668908
Tom1l1	chr11:90643464-90688366	2.5780	2.5782	0.0001	0.999505

<i>Lasp1</i>	chr11:97798999-97838764	22.8072	22.3409	-0.0298	0.596046
<i>Pum2</i>	chr12:8674133-8752581	46.7486	46.5443	-0.0063	0.949465
<i>Hist1h2ab</i>	chr13:23751087-23751593	9.6983	9.8502	0.0224	0.966162
<i>Thoc3</i>	chr13:54458836-54468849	17.6557	17.5772	-0.0064	0.937412
<i>Dok3</i>	chr13:55523234-55528538	1.0341	0.9828	-0.0735	0.659117
<i>Scamp1</i>	chr13:94201309-94285857	0.4867	0.4655	-0.0642	0.790745
<i>Gatad1</i>	chr5:3632931-3647934	13.2618	12.9639	-0.0328	0.635802
<i>Apbb2</i>	chr5:66298860-66618828	0.1327	0.1359	0.0343	0.935451
<i>Plod3</i>	chr5:136987018-136996648	2.9198	2.9283	0.0042	0.980241
<i>Dqx1</i>	chr6:83057843-83067210	2.1697	2.1072	-0.0422	0.763180
<i>Slc25a18</i>	chr6:120773767-120793982	2.6254	2.6375	0.0066	0.963540
<i>Kif22</i>	chr7:127027731-127042420	7.1082	6.9113	-0.0405	0.768207
<i>Snora52</i>	chr7:141448802-141448939	31.8226	32.0769	0.0115	0.914615
<i>Tubgcp3</i>	chr8:12614276-12672248	16.4792	16.3748	-0.0092	0.848145
<i>Dctn6</i>	chr8:34090419-34108796	19.5812	19.1274	-0.0338	0.713230
<i>2610044O15Rik8</i>	chr8:129217723-129221950	13.2983	12.6992	-0.0665	0.798296
<i>Hyou1</i>	chr9:44379489-44392369	16.2918	15.9197	-0.0333	0.677600
<i>Spg21</i>	chr9:65460936-65488470	23.3304	23.2564	-0.0046	0.960357
<i>Snx22</i>	chr9:66065175-66069731	60.6069	60.5103	-0.0023	0.986393
<i>Ogt</i>	chrX:101640059-101684351	77.4152	77.3019	-0.0021	0.989031
<i>E230001N04Rik</i>	chr17:28523256-28525347	6.4271	6.4206	-0.0015	0.986534
<i>Fbxo36</i>	chr1:84839840-84900487	0.3429	0.3216	-0.0927	0.862281
<i>B930036N10Rik</i>	chr1:171500567-171504111	3.9889	4.0389	0.0180	0.960277
<i>Trp53bp2</i>	chr1:182409171-182462432	7.7252	7.6985	-0.0050	0.948259
<i>Tnfrif8</i>	chr18:49979426-50107173	11.2752	11.2678	-0.0009	0.994880
<i>Mbp</i>	chr18:82475145-82585637	31.4527	30.7806	-0.0312	0.701859
<i>Fam102a</i>	chr2:32535331-32569756	31.0960	30.3231	-0.0363	0.802150
<i>Mvb12b</i>	chr2:33729952-33887946	3.0927	3.0974	0.0022	0.990051
<i>Slc35c1</i>	chr2:92452763-92460538	13.7924	13.4546	-0.0358	0.786775
<i>Haus2</i>	chr2:120609382-120621560	7.5926	7.3900	-0.0390	0.747812
<i>Shc4</i>	chr2:125627446-125724148	1.3263	1.3381	0.0127	0.960122
<i>Gss</i>	chr2:155563180-155592810	2.5239	2.5249	0.0006	0.995520
<i>Glimp</i>	chr3:88325022-88331313	9.0081	8.8111	-0.0319	0.624202
<i>Gm20632</i>	chr3:96239392-96241819	1.4036	1.3461	-0.0603	0.870163
<i>Pdlim5</i>	chr3:142239585-142395696	14.5147	14.2110	-0.0305	0.577955
<i>Mob3b</i>	chr4:34949073-35157484	0.9604	0.9692	0.0132	0.948301
<i>Cntnap1</i>	chr11:101170522-101190724	0.2575	0.2623	0.0265	0.903901
<i>Polrmt</i>	chr10:79736122-79746581	8.0903	7.9060	-0.0332	0.733347
<i>Jarid2</i>	chr13:44729473-44921643	13.8652	13.5824	-0.0297	0.444959
<i>Mafk</i>	chr5:139791512-139802653	17.7029	17.3146	-0.0320	0.692882
<i>Zfp141</i>	chr7:42473385-42505726	12.1329	11.8560	-0.0333	0.674277
<i>Slc44a2</i>	chr9:21337827-21355025	147.4782	144.1449	-0.0330	0.741662
<i>Gm10658</i>	chr9:57056629-57071966	0.9849	0.9993	0.0210	0.924418
<i>Entpd7</i>	chr19:43689671-43733697	0.8379	0.8428	0.0083	0.968051
<i>Ankrd50</i>	chr3:38449260-38484844	7.2286	7.1853	-0.0087	0.866450
<i>Uck1</i>	chr2:32255001-32260159	8.5092	8.2849	-0.0385	0.688074
<i>Bcap29</i>	chr12:31595353-31634658	12.0320	12.0035	-0.0034	0.979856
<i>Gm5424</i>	chr10:62071014-62072609	0.7012	0.6624	-0.0821	0.879524
<i>9530068E07Rik</i>	chr11:52396427-52408728	20.4495	20.3126	-0.0097	0.864424
<i>Wsb1</i>	chr11:79239371-79254671	20.0690	19.9811	-0.0063	0.936859
<i>Usp32</i>	chr11:84984441-85140161	12.2828	12.2218	-0.0072	0.924102
<i>Spag9</i>	chr11:93996090-94126085	17.9781	17.6002	-0.0306	0.713705
<i>Atp5g1</i>	chr11:96068851-96075670	1.5166	1.4651	-0.0498	0.815012
<i>Smardc2</i>	chr11:106263178-106272972	57.0879	55.8786	-0.0309	0.634292
<i>Ckb</i>	chr12:111669354-111672338	0.7171	0.6812	-0.0741	0.874201
<i>Larp4b</i>	chr13:9093904-9173086	41.6175	40.7884	-0.0290	0.551127
<i>Srek1</i>	chr13:103741614-103764504	22.5130	22.0680	-0.0288	0.458656
<i>Ccdc92</i>	chr5:124834417-124862424	2.5258	2.4393	-0.0502	0.866670
<i>Ccdc174</i>	chr6:91878052-91899843	7.4186	7.3981	-0.0040	0.964512
<i>Rbmx2</i>	chrX:48695003-48710723	4.8268	4.8425	0.0047	0.979630
<i>Trav15-2-dv6-2</i>	chr14:53649386-53649993	2.4580	2.5120	0.0314	0.883979
<i>Cramp1l</i>	chr17:24961227-25015230	5.7850	5.6360	-0.0376	0.820827
<i>Slc41a1</i>	chr1:131827492-131848865	9.1343	9.1043	-0.0047	0.966032
<i>Gm20490</i>	chr2:173022502-173022956	49.5586	48.1504	-0.0416	0.812485
<i>Lysmd1</i>	chr3:95134087-95139518	3.6333	3.6492	0.0063	0.957417
<i>Traj3</i>	chr14:54217291-54217357	76.1711	72.9466	-0.0624	0.876484
<i>Nudt13</i>	chr14:20294689-20317575	4.0606	3.9402	-0.0434	0.716513
<i>Ipcef1</i>	chr10:6885795-7052478	56.3625	56.0089	-0.0091	0.899741
<i>Gm1972</i>	chr10:22224279-22253819	1.0576	1.0828	0.0339	0.878334
<i>Col18a1</i>	chr10:77052177-77166548	0.1508	0.1541	0.0315	0.927138
<i>Btbd2</i>	chr10:80642616-80657071	6.9507	6.9399	-0.0022	0.987068

<i>Eml6</i>	chr11:29743047-30026033	0.2742	0.2609	-0.0714	0.815694
<i>Zfp354c</i>	chr11:50811085-50827724	4.7870	4.7858	-0.0004	0.997735
<i>Snap47</i>	chr11:59407133-59451186	6.4962	6.3199	-0.0397	0.767824
<i>Rai1</i>	chr11:60105012-60199197	7.5504	7.5399	-0.0020	0.990333
<i>Mbtd1</i>	chr11:93885851-93946985	5.1748	5.1587	-0.0045	0.967359
<i>Gm11574</i>	chr11:97048690-97051432	12.0648	11.7157	-0.0424	0.784962
<i>Mlx</i>	chr11:101087276-101092207	32.7703	32.0624	-0.0315	0.629645
<i>Gm11342</i>	chr13:24336269-24337343	3.6939	3.5525	-0.0563	0.862334
<i>Gmds</i>	chr13:31819578-32338712	2.7653	2.6814	-0.0444	0.803875
<i>Ftsj2</i>	chr5:140327673-140331898	4.8250	4.6741	-0.0459	0.750255
<i>Cep41</i>	chr6:30653456-30693749	3.3040	3.2167	-0.0386	0.645824
<i>Dcp1b</i>	chr6:119175251-119221614	7.6933	7.6460	-0.0089	0.894409
<i>Alpk3</i>	chr7:81057599-81105612	0.1617	0.1535	-0.0749	0.868819
<i>Gm9892</i>	chr8:52195779-52197160	1.1004	1.1333	0.0425	0.931500
<i>Farsa</i>	chr8:84856988-84869257	21.3400	21.1969	-0.0097	0.879983
<i>E2f4</i>	chr8:105297662-105305369	24.7004	24.5891	-0.0065	0.945764
<i>Jrkl</i>	chr9:13242789-13245741	7.7796	7.5801	-0.0375	0.705713
<i>Zfp560</i>	chr9:20345135-20385177	2.7604	2.7544	-0.0031	0.983905
<i>Lactb</i>	chr9:66955392-66975484	15.1819	14.8017	-0.0366	0.739271
<i>Gm26448</i>	chr9:120129350-120129553	402.9704	410.1319	0.0254	0.939941
<i>Nsdhl</i>	chrX:72918556-72958514	4.2432	4.2355	-0.0026	0.976517
<i>Myg1</i>	chr15:102331708-102338139	14.0603	14.0382	-0.0023	0.986491
<i>Exoc5</i>	chr14:49012145-49066653	15.9074	15.5670	-0.0312	0.739004
<i>Hnrnpc</i>	chr14:52073379-52104028	57.8755	56.4995	-0.0347	0.776583
<i>Ndufb10</i>	chr17:24722059-24724478	49.3802	49.5821	0.0059	0.978957
<i>Rab5a</i>	chr17:53479233-53507671	25.2034	25.1360	-0.0039	0.971378
<i>Cep19</i>	chr16:32099799-32108069	15.5392	15.1593	-0.0357	0.784893
<i>Gm25848</i>	chr16:32243711-32243855	13.3283	13.7384	0.0437	0.935287
<i>Rbm4</i>	chr19:4784292-4793901	26.6776	26.4945	-0.0099	0.756223
<i>Ubt1</i>	chr19:41981762-42034641	3.9882	4.0037	0.0056	0.967413
<i>Gm16150</i>	chr1:38235419-38246666	3.7497	3.8285	0.0300	0.936881
<i>Snora75</i>	chr1:86351168-86351301	19.9406	19.1394	-0.0592	0.767499
<i>Ywhab</i>	chr2:163994959-164018588	37.2071	36.4361	-0.0302	0.674872
<i>Dhx36</i>	chr3:62470038-62507004	39.6353	38.7816	-0.0314	0.729032
<i>583041710Rik</i>	chr3:88775215-88826328	3.1733	3.1659	-0.0034	0.978309
<i>Pi4kb</i>	chr3:94974720-95006843	26.9837	26.4358	-0.0296	0.571190
<i>Gm15441</i>	chr3:96555764-96566801	118.0056	115.3666	-0.0326	0.739118
<i>Gm10288</i>	chr3:146838774-146839365	1.8513	1.8852	0.0262	0.915067
<i>Il11ra1</i>	chr4:41699988-41769474	1.3175	1.2769	-0.0451	0.735920
<i>Task1</i>	chr4:43441938-43448064	9.8627	9.6436	-0.0324	0.770746
<i>Ncbp1</i>	chr4:46138612-46172403	44.4046	43.4903	-0.0300	0.583999
<i>Bspry</i>	chr4:62480052-62497298	1.0197	1.0326	0.0182	0.962247
<i>Zfp839</i>	chr12:110850278-110869998	2.4139	2.3447	-0.0420	0.814375
<i>Aldh3b1</i>	chr19:3913492-3929761	1.7240	1.7451	0.0175	0.956972
<i>Tor1aip2</i>	chr1:156035402-156068861	17.5350	17.4222	-0.0093	0.902848
<i>Arhgap21</i>	chr2:20847918-20968881	0.6293	0.6340	0.0108	0.951823
<i>Gm12097</i>	chr11:30572790-30574454	0.8282	0.8537	0.0438	0.926358
<i>Eed</i>	chr7:89954655-89980983	35.0900	34.3537	-0.0306	0.570149
<i>Desi1</i>	chr15:81992522-82033862	5.0350	4.9099	-0.0363	0.759172
<i>Mterf4</i>	chr1:93299210-93305915	6.3433	6.3160	-0.0062	0.940964
<i>Dcaf6</i>	chr1:165329510-165460465	21.3201	21.2083	-0.0076	0.885534
<i>Gm13185</i>	chr2:3752985-3755177	4.4014	4.4716	0.0228	0.943336
<i>Lzts3</i>	chr2:130632838-130642803	0.4622	0.4422	-0.0637	0.801405
<i>Gm25580</i>	chr6:30143800-30144127	4.3170	4.3943	0.0256	0.932799
<i>Zdhhc1</i>	chr8:105472480-105484350	2.7850	2.6857	-0.0524	0.815165
<i>Ykt6</i>	chr11:5955692-5967780	29.7592	29.5473	-0.0103	0.805975
<i>Hs3st3b1</i>	chr11:63885791-63922290	13.0250	12.9640	-0.0068	0.954577
<i>Casp8ap2</i>	chr4:32615450-32653265	25.4407	25.3411	-0.0057	0.952169
<i>Traj4</i>	chr14:54216290-54216353	33.4575	33.9351	0.0204	0.945304
<i>E430024P14Rik</i>	chr17:7881105-7946426	10.1716	10.1392	-0.0046	0.969243
<i>Lta</i>	chr17:35203164-35205351	4.8644	4.7144	-0.0452	0.823133
<i>Rpp21</i>	chr17:36255644-36258069	24.7414	24.6589	-0.0048	0.961395
<i>Snord87</i>	chr1:9942462-9942549	24.9986	23.6762	-0.0784	0.850233
<i>Hist1h2ag</i>	chr13:22042478-22042949	3.2284	3.3070	0.0347	0.931445
<i>Gm16288</i>	chr5:30240081-30240448	2.7076	2.5789	-0.0703	0.861319
<i>Pde4c</i>	chr8:70723719-70751186	0.1612	0.1657	0.0401	0.893402
<i>Gm17169</i>	chr8:81790557-81790908	10.4163	10.5646	0.0204	0.956561
<i>Atp5d</i>	chr10:80138631-80145818	40.7720	40.7549	-0.0006	0.997540
<i>Dusp6</i>	chr10:99263230-99267488	17.7608	17.2733	-0.0402	0.851187
<i>Rap1b</i>	chr10:117814470-117845935	225.3008	220.6202	-0.0303	0.751966
<i>Avil</i>	chr10:127000708-127020994	0.2397	0.2483	0.0505	0.881631

<i>Dnaja14</i>	chr10:128805675-128819446	32.6561	32.0002	-0.0293	0.579276
<i>Ubtfd2</i>	chr11:32455369-32516687	1.8361	1.8641	0.0218	0.929259
<i>Gm12185</i>	chr11:48904655-48992226	15.2448	15.2798	0.0033	0.989210
<i>4930412M03Rik</i>	chr11:60112218-60115230	6.3257	6.3607	0.0080	0.959822
<i>Gm12289</i>	chr11:64012614-64015224	0.9381	0.9509	0.0196	0.957891
<i>Map2k4</i>	chr11:65688242-65788297	11.0358	10.9803	-0.0073	0.952801
<i>Ctns</i>	chr11:73183595-73199042	5.2690	5.2555	-0.0037	0.968374
<i>Rps12-ps19</i>	chr11:75070813-75071213	1.8687	1.9173	0.0371	0.915485
<i>Gemin4</i>	chr11:76210570-76217664	10.3707	10.3041	-0.0093	0.894693
<i>Rsad1</i>	chr11:94539797-94549255	2.5100	2.4402	-0.0407	0.720432
<i>Acly</i>	chr11:100476352-100528000	67.6477	66.0596	-0.0343	0.797747
<i>Fam20a</i>	chr11:109669748-109722279	0.5901	0.5957	0.0136	0.954337
<i>Pomc</i>	chr12:3954950-3960618	1.0896	1.0392	-0.0683	0.815058
<i>Rrm2</i>	chr12:24708240-24714146	5.3008	5.3182	0.0047	0.988454
<i>Akt1</i>	chr12:112653820-112674884	31.6263	30.8992	-0.0336	0.765856
<i>Hist1h4j</i>	chr13:21735061-21735837	9.6145	9.2730	-0.0522	0.851537
<i>Gm16984</i>	chr13:34963981-34990452	4.7754	4.6250	-0.0462	0.625384
<i>Fam120a</i>	chr13:48879218-48968017	71.3972	70.9249	-0.0096	0.904154
<i>Naa35</i>	chr13:59585258-59634798	5.8579	5.7239	-0.0334	0.710146
<i>Zfp429</i>	chr13:67389308-67399767	13.0777	12.7592	-0.0356	0.781189
<i>Ppap2a</i>	chr13:112800893-112867881	2.3755	2.2943	-0.0501	0.830543
<i>Atraid</i>	chr5:31048311-31054633	18.5387	18.4299	-0.0085	0.893961
<i>BC005561</i>	chr5:104508351-104522383	11.5706	11.5433	-0.0034	0.977841
<i>Pilra</i>	chr5:137821951-137836268	1.6446	1.6539	0.0082	0.975577
<i>Gm16042</i>	chr6:8595737-8596988	9.2868	9.0417	-0.0386	0.813721
<i>Gm16042</i>	chr6:8595742-8596989	9.3166	9.0707	-0.0386	0.813721
<i>Arf5</i>	chr6:28423559-28426602	73.3805	71.3120	-0.0413	0.852278
<i>Pyurf</i>	chr6:57686575-57692078	6.9409	6.9187	-0.0046	0.958666
<i>Eogt</i>	chr6:97110023-97149182	4.5004	4.4872	-0.0042	0.967478
<i>Dusp16</i>	chr6:134715472-134792625	0.8185	0.7955	-0.0411	0.759540
<i>Rps11</i>	chr7:45122387-45124389	1071.2114	1044.2261	-0.0368	0.835941
<i>Dcun1d3</i>	chr7:119853162-119896291	6.9858	6.8361	-0.0312	0.721577
<i>Kdm8</i>	chr7:125444675-125462265	3.9164	3.9150	-0.0005	0.996072
<i>Echs1</i>	chr7:140105709-140116476	6.2292	6.2114	-0.0041	0.976829
<i>Mtg1</i>	chr7:140137563-140150786	4.5185	4.4025	-0.0375	0.745059
<i>Agpat5</i>	chr8:18846276-18891361	3.7856	3.7636	-0.0084	0.929405
<i>Dhx38</i>	chr8:109548016-109565601	26.4735	25.8997	-0.0316	0.717984
<i>Birc2</i>	chr9:7818235-7835255	47.2831	46.2207	-0.0328	0.779491
<i>Zwilch</i>	chr9:64137143-64173104	1.7399	1.6894	-0.0425	0.774976
<i>Gorasp1</i>	chr9:119925672-119937558	5.9679	5.8290	-0.0340	0.651564
<i>Apoo</i>	chrX:94367116-94417093	0.6841	0.6977	0.0284	0.953962
<i>Zxdb</i>	chrX:94724568-94730191	2.1686	2.1062	-0.0421	0.747118
<i>Wbp5</i>	chrX:136245078-136247139	9.9864	9.6819	-0.0447	0.845650
<i>6030458C11Rik</i>	chr15:12808176-12824657	14.9258	14.6166	-0.0302	0.551299
<i>CommD5</i>	chr15:76899909-76901305	12.2683	11.8741	-0.0471	0.841553
<i>Tnrc6b</i>	chr15:80711318-80941086	22.8657	22.3209	-0.0348	0.829814
<i>Phf5a</i>	chr15:81865318-81871911	34.0973	34.0195	-0.0033	0.980128
<i>2700060E02Rik</i>	chr14:19811401-19823823	36.3889	36.3219	-0.0027	0.983426
<i>Dleu2</i>	chr14:61602838-61682373	8.4640	8.2663	-0.0341	0.817248
<i>Narf1</i>	chr17:25773775-25783332	9.5215	9.3027	-0.0335	0.622658
<i>Pdia2</i>	chr17:26195998-26199087	0.7697	0.7901	0.0379	0.897808
<i>Zfp119a</i>	chr17:55865203-55878862	7.1097	6.9113	-0.0408	0.768533
<i>Slx4</i>	chr16:3979104-4003770	8.6612	8.4729	-0.0317	0.785106
<i>Gm23935</i>	chr16:11144124-11144181	1319.5917	1258.9925	-0.0678	0.884918
<i>Cd200r4</i>	chr16:44811732-44839150	6.5153	6.4893	-0.0058	0.944246
<i>Rbm4b</i>	chr19:4756542-4767065	11.4203	11.4071	-0.0017	0.992237
<i>Stk17b</i>	chr1:53755505-53785224	316.0343	308.5790	-0.0344	0.810486
<i>Stradb</i>	chr1:58973521-58995715	2.3017	2.2989	-0.0018	0.989114
<i>Gm26720</i>	chr1:91989050-91992628	2.9356	2.9372	0.0008	0.996376
<i>Gm25612</i>	chr1:134505337-134505463	6.1874	5.8288	-0.0861	0.866835
<i>Smg7</i>	chr1:152836995-152902646	32.1780	31.9647	-0.0096	0.865682
<i>Dars2</i>	chr1:161040600-161070658	5.6339	5.5048	-0.0334	0.640529
<i>D730003115Rik</i>	chr1:191224473-191225686	10.2822	9.9836	-0.0425	0.851771
<i>Rab18</i>	chr18:6765204-6790231	16.9997	16.8947	-0.0089	0.708901
<i>D2Wsu81e</i>	chr2:30173446-30178459	10.7222	10.6664	-0.0075	0.897173
<i>Arpc5l</i>	chr2:39008075-39015877	27.4085	27.2716	-0.0072	0.914299
<i>Tubgcp4</i>	chr2:121170653-121198770	15.8186	15.5025	-0.0291	0.658795
<i>1810024B03Rik</i>	chr2:127186354-127208280	1.4252	1.4294	0.0042	0.974932
<i>Anapc1</i>	chr2:128610103-128687391	19.3549	19.2106	-0.0108	0.851380
<i>Bcl2l1</i>	chr2:152780667-152831728	3.3054	3.2120	-0.0413	0.833820
<i>Eif6</i>	chr2:155819831-155826925	30.2216	29.5421	-0.0328	0.749249

<i>Fam65c</i>	chr2:167980163-168010618	0.2385	0.2458	0.0434	0.933191
<i>Gm20716</i>	chr2:168180985-168230364	30.7461	30.5987	-0.0069	0.946902
<i>4930577N17Rik</i>	chr3:51277570-51279805	3.1877	3.0698	-0.0544	0.788367
<i>D930015E06Rik</i>	chr3:83898286-84040161	36.2717	36.1385	-0.0053	0.973280
<i>2810403A07Rik</i>	chr3:88685793-88712933	63.2615	62.7511	-0.0117	0.717598
<i>Gm17608</i>	chr3:97284907-97297778	1.0587	1.0148	-0.0611	0.849300
<i>Lrrc39</i>	chr3:116562972-116583134	4.8088	4.7019	-0.0324	0.650316
<i>Ostc</i>	chr3:130695920-130709444	63.3368	61.7603	-0.0364	0.809961
<i>B4galt1</i>	chr4:40804601-40854005	40.1077	39.2586	-0.0309	0.733278
<i>Prpf38a</i>	chr4:108563171-108579336	13.1022	12.8141	-0.0321	0.689494
<i>Tesk2</i>	chr4:116720947-116805956	7.9060	7.8602	-0.0084	0.911633
<i>Foxj3</i>	chr4:119537003-119629119	7.0751	6.9313	-0.0296	0.701470
<i>Snrnp40</i>	chr4:130360131-130390026	16.3647	15.9784	-0.0345	0.765679
<i>Gm12999</i>	chr4:132532686-132533601	7.3524	7.1045	-0.0495	0.773308
<i>Cdk11b</i>	chr4:155624853-155649938	29.4066	29.2902	-0.0057	0.957060
<i>Rps15a</i>	chr7:118104377-118116186	80.0462	77.4875	-0.0469	0.839639
<i>Plekhg1</i>	chr10:3740363-3967303	0.0844	0.0864	0.0345	0.909127
<i>Phtf2</i>	chr5:20758662-20882124	5.1900	5.0744	-0.0325	0.709244
<i>Bud31</i>	chr5:145140361-145148078	45.7781	45.6864	-0.0029	0.983009
<i>Mlst8</i>	chr17:24473549-24479078	12.4329	12.1693	-0.0309	0.642779
<i>St6gal1</i>	chr16:23224739-23360350	45.9514	45.0808	-0.0276	0.534703
<i>Hipk3</i>	chr2:104426480-104494446	22.2597	22.1219	-0.0090	0.888905
<i>Insf6</i>	chr19:29321343-29325356	15.0139	15.0431	0.0028	0.991643
<i>Tpt1-ps6</i>	chrX:101768534-101769057	1.4833	1.5312	0.0458	0.931355
<i>Natd1</i>	chr11:60902245-60914750	2.3656	2.3053	-0.0373	0.709514
<i>Gm11626</i>	chr11:101456575-101457390	49.0190	48.9046	-0.0034	0.983230
<i>Cdk3-ps</i>	chr11:116216002-116220287	0.8142	0.8265	0.0216	0.879283
<i>Dip2c</i>	chr13:9276527-9668928	1.1247	1.0896	-0.0458	0.887004
<i>Fbxw17</i>	chr13:50417863-50433780	3.7241	3.7173	-0.0026	0.986055
<i>Gm15477</i>	chr5:67847065-67909013	0.3688	0.3541	-0.0586	0.667704
<i>Lsm5</i>	chr6:56701062-56704692	3.7044	3.5717	-0.0526	0.838937
<i>Det1</i>	chr7:78822961-78847236	9.8897	9.8389	-0.0074	0.930080
<i>Armc6</i>	chr8:70220171-70234466	3.6829	3.5794	-0.0411	0.737246
<i>2310036O22Rik</i>	chr8:85026832-85030285	145.5613	145.3753	-0.0018	0.992169
<i>Cdh11</i>	chr8:102632994-102785111	0.2863	0.2748	-0.0593	0.769685
<i>Msn</i>	chrX:96096041-96168552	94.7755	94.1711	-0.0092	0.922966
<i>Rnf139</i>	chr15:58889228-58902390	30.3239	29.6586	-0.0320	0.755522
<i>Tsta3</i>	chr15:75924683-75929730	19.3124	19.2912	-0.0016	0.993259
<i>Lrp10</i>	chr14:54464163-54471497	29.7430	29.0293	-0.0350	0.816298
<i>Gm16973</i>	chr14:56696279-56701268	9.0465	8.8318	-0.0346	0.749151
<i>Ltb</i>	chr17:35194438-35196320	326.0566	318.9678	-0.0317	0.746154
<i>Mgat5</i>	chr1:127204985-127483704	9.7219	9.5225	-0.0299	0.640909
<i>Gpr151</i>	chr18:42578019-42579652	2.3129	2.2228	-0.0573	0.894367
<i>Ptpla</i>	chr2:13975562-14056135	0.6990	0.6599	-0.0832	0.845574
<i>9330198N18Rik</i>	chr2:30629654-30689210	1.3713	1.3943	0.0240	0.953510
<i>Nek6</i>	chr2:38511642-38588041	0.5919	0.5976	0.0138	0.952046
<i>Gm11814</i>	chr4:10438814-10439743	1.3491	1.3670	0.0190	0.952968
<i>Bend5</i>	chr4:111415005-111460298	3.0286	2.9524	-0.0368	0.838374
<i>Gm13139</i>	chr4:147132037-147180579	1.7749	1.7110	-0.0529	0.855087
<i>Sbsn</i>	chr7:30734738-30756134	1.3668	1.3238	-0.0461	0.859108
<i>Cmtm7</i>	chr9:114756836-114781993	42.7516	42.4765	-0.0093	0.844560
<i>Zfp319</i>	chr8:95326136-95331950	6.4261	6.4184	-0.0017	0.991333
<i>Cgrrf1</i>	chr14:46832133-46854193	2.2485	2.2506	0.0013	0.994133
<i>Uqcrc2</i>	chr7:120635175-120659478	72.5592	70.9493	-0.0324	0.760416
<i>2310007L24Rik</i>	chr11:106365473-106377114	0.7232	0.6878	-0.0724	0.808838
<i>Mrpl52</i>	chr14:54426908-54429750	55.3301	54.0550	-0.0336	0.749858
<i>Snora43</i>	chr2:26637847-26637974	13.5257	12.8708	-0.0716	0.836970
<i>Gm14123</i>	chr2:150606232-150610254	1.0470	1.0527	0.0079	0.951245
<i>Csrp2</i>	chr10:110920176-110939599	0.7745	0.7390	-0.0676	0.862575
<i>Adam19</i>	chr11:46055991-46147343	23.9940	23.4103	-0.0355	0.841137
<i>Gm11672</i>	chr11:106126335-106127351	3.7461	3.7712	0.0096	0.956657
<i>Cep95</i>	chr11:106789251-106819930	17.6769	17.5688	-0.0089	0.900273
<i>Adi1</i>	chr12:28675230-28682175	6.6812	6.6708	-0.0022	0.981916
<i>Ccdc176</i>	chr12:84409070-84433780	2.5023	2.4275	-0.0437	0.805829
<i>Gm24111</i>	chr13:48537824-48537921	26.4059	25.5179	-0.0493	0.852189
<i>Cep135</i>	chr5:76588697-76646466	10.5921	10.3578	-0.0323	0.775889
<i>Myo1h</i>	chr5:114314940-114364576	7.9333	7.7672	-0.0305	0.700435
<i>Git2</i>	chr5:114727406-114775517	21.0527	20.6238	-0.0297	0.749638
<i>Snx8</i>	chr5:140340303-140389251	0.7276	0.7345	0.0136	0.961524
<i>Zfp800</i>	chr6:28239930-28398005	20.6935	20.5885	-0.0073	0.938966
<i>lft122</i>	chr6:115853469-115926699	0.3441	0.3315	-0.0540	0.687657

<i>Kansl2-ps</i>	chr7:72672817-72674278	0.5202	0.5368	0.0454	0.910366
<i>Trappc5</i>	chr8:3676298-3681255	14.1958	13.8625	-0.0343	0.806176
<i>Z310045N01Rik</i>	chr8:70139498-70167488	13.0821	12.7948	-0.0320	0.728620
<i>Syce2</i>	chr8:84872110-84888221	1.7908	1.7946	0.0031	0.977640
<i>BC048644</i>	chr8:121907832-121918428	0.8985	0.9027	0.0068	0.964750
<i>Sorl1</i>	chr9:41964719-42124297	32.7424	31.9139	-0.0370	0.851491
<i>Rsl24d1</i>	chr9:73113425-73123333	11.2663	11.2277	-0.0050	0.958787
<i>Arxes2</i>	chrX:135993819-135995359	0.8181	0.7789	-0.0709	0.864956
<i>Gm20732</i>	chr15:68340982-68363176	2.0372	1.9548	-0.0595	0.856121
<i>Selo</i>	chr15:89089083-89100340	20.6138	20.4558	-0.0111	0.839572
<i>Gm16279</i>	chr17:35896945-35912215	3.2034	3.2102	0.0031	0.980630
<i>Strn</i>	chr17:78649912-78737196	16.2538	15.9362	-0.0285	0.677446
<i>Naa40</i>	chr19:7225667-7241222	15.4157	15.0891	-0.0309	0.742758
<i>Osbp</i>	chr19:11965843-11994105	24.2055	23.7234	-0.0290	0.726509
<i>Smc5</i>	chr19:23206440-23273897	16.9557	16.8531	-0.0088	0.921896
<i>Rnf149</i>	chr1:39551295-39577405	11.6855	11.4336	-0.0314	0.549481
<i>Hhat</i>	chr1:192512827-192771213	0.3984	0.3997	0.0047	0.977954
<i>C330018D20Rik</i>	chr18:56955832-56975368	4.5698	4.5574	-0.0039	0.981480
<i>Cdca7</i>	chr2:72476158-72486893	6.1291	5.9444	-0.0441	0.826666
<i>Dgkz</i>	chr2:91932823-91975864	53.0923	51.9754	-0.0307	0.750234
<i>Mybl2</i>	chr2:163054686-163084688	0.5103	0.4860	-0.0703	0.849410
<i>4931440P22Rik</i>	chr3:65507256-65529379	0.5860	0.5632	-0.0573	0.823415
<i>Adamts14</i>	chr3:95676200-95687917	1.5148	1.5161	0.0012	0.995948
<i>Fbxo39</i>	chr11:72314443-72319416	0.5581	0.5257	-0.0861	0.856989
<i>Gm22075</i>	chr11:72800286-72800478	3.6718	3.8277	0.0600	0.931776
<i>Tram2</i>	chr1:20996295-21079229	1.1269	1.1384	0.0146	0.971764
<i>Hps6</i>	chr19:46003477-46006173	7.3530	7.3402	-0.0025	0.987457
<i>Zfp280b</i>	chr10:76032653-76043234	5.7288	5.6075	-0.0309	0.550194
<i>Ggnbp2</i>	chr11:84832360-84870817	40.8789	40.0989	-0.0278	0.637478
<i>Coch</i>	chr12:51593340-51605773	0.6997	0.7115	0.0241	0.954135
<i>Dek</i>	chr13:47084774-47106201	61.6600	60.3272	-0.0315	0.795393
<i>Trappc13</i>	chr13:104142148-104178469	11.2959	11.0583	-0.0307	0.751143
<i>Gm23547</i>	chr6:124715231-124715502	44.4539	44.4183	-0.0012	0.994270
<i>Gm16184</i>	chr7:19911824-19912397	1.3019	1.2396	-0.0708	0.870834
<i>Trpm4</i>	chr7:45303154-45333780	1.2816	1.2878	0.0069	0.976962
<i>Fnta</i>	chr8:25998728-26015601	32.9483	32.7322	-0.0095	0.845755
<i>B3gnt9</i>	chr8:105252637-105255153	4.5726	4.4625	-0.0352	0.697059
<i>Snx19</i>	chr9:30427328-30466726	12.6263	12.3608	-0.0307	0.723078
<i>Traip</i>	chr9:107950962-107972268	1.9959	1.9254	-0.0519	0.852877
<i>Dnal4</i>	chr15:79761452-79777849	2.8933	2.8989	0.0028	0.988973
<i>Scaf4</i>	chr16:90228956-90284425	9.6473	9.6165	-0.0046	0.975708
<i>Map4k4</i>	chr1:39900912-40026310	73.3332	72.8392	-0.0098	0.910379
<i>Cdk5rap2</i>	chr4:70216855-70410443	7.7769	7.6213	-0.0292	0.655017
<i>lqcc</i>	chr4:129615125-129619099	16.8665	16.5228	-0.0297	0.634175
<i>Wdr18</i>	chr10:79960151-79969246	16.7905	16.6976	-0.0080	0.940650
<i>Gm17203</i>	chr19:59896240-59901062	0.4357	0.4419	0.0204	0.923491
<i>Haus6</i>	chr4:86578854-86612055	10.9854	10.7666	-0.0290	0.722124
<i>Dsel</i>	chr1:111858701-111864909	1.0104	1.0133	0.0041	0.979560
<i>Pex14</i>	chr4:148960534-149099876	3.9302	3.8432	-0.0323	0.762752
<i>Sec23a</i>	chr12:58958382-59012017	10.9337	10.8606	-0.0097	0.891830
<i>Sp3os</i>	chr2:72979423-72988677	7.6388	7.4172	-0.0425	0.843668
<i>Fam207a</i>	chr10:77486655-77515813	18.6786	18.2830	-0.0309	0.761986
<i>Dot1l</i>	chr10:80755205-80795461	5.6711	5.5436	-0.0328	0.819574
<i>Spp12b</i>	chr10:80855274-80868705	8.9286	8.7099	-0.0358	0.802884
<i>Polr3b</i>	chr10:84622436-84727177	26.6257	26.4171	-0.0113	0.846545
<i>Rab5c</i>	chr11:100715008-100738215	75.4639	73.8282	-0.0316	0.786001
<i>Ubtf</i>	chr11:102304559-102319742	39.0159	38.7230	-0.0109	0.847506
<i>Smim6</i>	chr11:115912016-115913920	1.5422	1.4854	-0.0542	0.846207
<i>Cenpo</i>	chr12:4196003-4234294	7.7252	7.5693	-0.0294	0.697263
<i>Erh</i>	chr12:80634021-80644341	2.4618	2.3746	-0.0520	0.795632
<i>Rin3</i>	chr12:102283047-102390855	5.2628	5.2541	-0.0024	0.990339
<i>Akr1c13</i>	chr13:4191183-4205596	11.6990	11.3724	-0.0408	0.879430
<i>Cage1</i>	chr13:38006051-38037069	1.1241	1.1220	-0.0027	0.986272
<i>Gm26514</i>	chr13:38945542-38951313	2.6436	2.6490	0.0029	0.991009
<i>5033430I15Rik</i>	chr13:45965252-45966500	1.0176	1.0369	0.0272	0.945639
<i>Glrx</i>	chr13:75839867-75850151	6.1588	6.0036	-0.0368	0.576439
<i>Wdr41</i>	chr13:94976343-95023314	6.2620	6.1409	-0.0282	0.708983
<i>Cenpk</i>	chr13:104228954-104249615	1.1241	1.1338	0.0124	0.977602
<i>Gm21967</i>	chr13:119606649-119610458	2.8510	2.7726	-0.0402	0.862652
<i>Slc5a6</i>	chr5:31036035-31048924	3.1474	3.0659	-0.0379	0.772360
<i>lft172</i>	chr5:31253279-31291114	3.9676	3.8769	-0.0334	0.768133

<i>Chfr</i>	chr5:110135839-110171972	34.1964	33.5767	-0.0264	0.484578
<i>Atp6v1f</i>	chr6:29467717-29470512	41.6693	40.7097	-0.0336	0.799687
<i>Sumf1</i>	chr6:108107027-108185582	5.7771	5.6528	-0.0314	0.496270
<i>Ccnd2</i>	chr6:127125778-127151048	69.8463	69.3231	-0.0108	0.883908
<i>Itfg2</i>	chr6:128409443-128424931	4.3828	4.3559	-0.0089	0.919377
<i>Hspbp1</i>	chr7:4660520-4684963	20.6785	20.2405	-0.0309	0.772643
<i>Zfp296</i>	chr7:19577286-19580656	4.2911	4.1467	-0.0494	0.891322
<i>Gm26790</i>	chr7:35772377-35779168	8.5756	8.3728	-0.0345	0.702129
<i>Tmem41b</i>	chr7:109972186-109986929	2.6436	2.6388	-0.0027	0.984332
<i>Tufm</i>	chr7:126487354-126490730	4.4199	4.3174	-0.0338	0.809998
<i>Vkorc1</i>	chr7:127893066-127895617	6.3292	6.1425	-0.0432	0.866276
<i>Rab20</i>	chr8:11453391-11478638	5.9897	5.8284	-0.0394	0.800851
<i>E030037K01Rik</i>	chr8:47713265-47715021	3.7777	3.7785	0.0003	0.998752
<i>Ankle1</i>	chr8:71406009-71409904	0.8369	0.8518	0.0254	0.970927
<i>Gm5914</i>	chr8:105624335-105637485	18.3054	17.8233	-0.0385	0.864999
<i>Vwa5a</i>	chr9:38718267-38743337	14.2220	13.9261	-0.0303	0.703027
<i>Npat</i>	chr9:53537046-53574342	15.3705	15.2649	-0.0099	0.878866
<i>NA</i>	chr9:57148179-57151937	1.0871	1.0525	-0.0466	0.830138
<i>Ndufa1</i>	chrX:37187587-37191163	76.6218	74.5993	-0.0386	0.861674
<i>C1galt1c1</i>	chrX:38630784-38635087	15.9377	15.5917	-0.0317	0.774073
<i>Gyk</i>	chrX:85701936-85776819	2.4217	2.4149	-0.0041	0.973515
<i>Fbxo4</i>	chr15:3965444-3979573	5.9249	5.9112	-0.0033	0.980911
<i>Nadk2</i>	chr15:9071259-9110487	5.7163	5.5802	-0.0348	0.820565
<i>Rrm2b</i>	chr15:37923951-37961318	8.5326	8.3538	-0.0306	0.768780
<i>Gm17035</i>	chr15:66929606-66931107	10.8199	10.8896	0.0093	0.966710
<i>Gm15945</i>	chr15:75661406-75663529	1.2095	1.1591	-0.0614	0.843864
<i>Slc39a4</i>	chr15:76612384-76616852	2.3129	2.3181	0.0033	0.987718
<i>Rpl8</i>	chr15:76904070-76906318	1834.3080	1788.1576	-0.0368	0.863690
<i>Esp1</i>	chr15:102296292-102324356	0.7407	0.7595	0.0363	0.952008
<i>Trav13-2</i>	chr14:53634828-53635398	5.4324	5.4685	0.0096	0.978560
<i>Kcnrg</i>	chr14:61607481-61611916	2.4954	2.4040	-0.0538	0.767843
<i>Bnip3l</i>	chr14:66985238-67008877	20.3690	20.2641	-0.0074	0.939103
<i>Arid1b</i>	chr17:4994331-5347656	9.5219	9.3223	-0.0306	0.789538
<i>C2</i>	chr17:34856411-34898265	0.3724	0.3745	0.0079	0.979773
<i>Vars</i>	chr17:35000986-35016322	28.9381	28.2956	-0.0324	0.801328
<i>Aars2</i>	chr17:45506840-45520842	6.7068	6.5595	-0.0321	0.753987
<i>Ubxn6</i>	chr17:56067044-56075028	12.6057	12.5303	-0.0086	0.933067
<i>Ppp4r1</i>	chr17:65782572-65841926	9.8580	9.6618	-0.0290	0.675252
<i>Rab12</i>	chr17:66494511-66519717	9.0154	8.9693	-0.0074	0.910753
<i>Mett14</i>	chr17:94727079-94749892	20.3079	19.8820	-0.0306	0.773312
<i>Cdip1</i>	chr16:4750347-4790292	15.9790	15.8440	-0.0122	0.691693
<i>Abcc1</i>	chr16:14361557-14475737	7.0842	6.9473	-0.0282	0.555439
<i>Gm15976</i>	chr16:91924437-91928635	3.1654	3.0512	-0.0530	0.852906
<i>B3gat3</i>	chr19:8920373-8927234	37.7834	36.9015	-0.0341	0.811324
<i>4933407L21Rik</i>	chr1:85928482-85940624	0.7713	0.7885	0.0318	0.927650
<i>Tmem183a</i>	chr1:134346096-134361999	21.7267	21.5553	-0.0114	0.704019
<i>Smyd2</i>	chr1:189880491-189922363	7.2608	7.0960	-0.0331	0.755691
<i>Gm24514</i>	chr18:55622632-55622920	3.1308	2.9653	-0.0783	0.875798
<i>Gm14091</i>	chr2:118829873-118834122	3.8443	3.7300	-0.0435	0.804548
<i>Tm9sf4</i>	chr2:153161302-153210466	6.2840	6.1573	-0.0294	0.689685
<i>Phf1os</i>	chr3:103964535-103968581	15.2219	15.1227	-0.0094	0.884867
<i>Ggh</i>	chr4:20042051-20066750	6.3823	6.3707	-0.0026	0.978497
<i>Ube2j1</i>	chr4:33031415-33052363	38.2771	38.0694	-0.0078	0.936502
<i>Cd72</i>	chr4:43446461-43454628	24.9503	24.4346	-0.0301	0.720573
<i>Slc2a1</i>	chr4:119108710-119137330	13.7950	13.5072	-0.0304	0.730748
<i>Crocc</i>	chr4:141016636-141060550	1.5197	1.4746	-0.0435	0.852065
<i>Srm</i>	chr4:148591502-148594993	17.6343	17.5920	-0.0035	0.983609
<i>9430015G10Rik</i>	chr4:156109981-156127265	10.3094	10.2355	-0.0104	0.895177
<i>Ankrd53</i>	chr6:83762643-83768326	0.6249	0.6315	0.0151	0.971752
<i>Cfap53</i>	chr18:74283089-74359986	0.3662	0.3737	0.0293	0.949323
<i>Gm16741</i>	chr14:7749944-7775528	1.8819	1.8210	-0.0474	0.900730
<i>Gm12276</i>	chr11:62331420-62331721	13.9444	13.5635	-0.0400	0.776040
<i>Gm24233</i>	chr12:59134071-59134193	8.4434	8.1249	-0.0555	0.911022
<i>Synj2bp</i>	chr12:81497940-81532911	20.0842	20.0050	-0.0057	0.966565
<i>Nsmce4a</i>	chr7:130532522-130573118	39.2265	38.9628	-0.0097	0.911357
<i>A930024E05Rik</i>	chr5:122989353-122998345	10.2688	10.2183	-0.0071	0.942325
<i>Prdx2</i>	chr8:84969586-84974834	14.6471	14.5868	-0.0059	0.968065
<i>Specc1l</i>	chr10:75212072-75312399	23.9844	23.7698	-0.0130	0.734190
<i>Gm26116</i>	chr11:54658496-54658573	19.3006	19.4995	0.0148	0.963121
<i>Fam114a2</i>	chr11:57482992-57518617	30.5320	30.2518	-0.0133	0.615887
<i>Plscr3</i>	chr11:69846375-69852058	3.3162	3.2276	-0.0391	0.826639

<i>Alox12</i>	chr11:70241456-70255353	0.2028	0.2078	0.0351	0.950338
<i>Dhrs13</i>	chr11:78032279-78037866	1.4707	1.4713	0.0006	0.996177
<i>Nudt14</i>	chr12:112934732-112942118	15.7518	15.7579	0.0006	0.997547
<i>Mterf3</i>	chr13:66906967-66933088	11.8376	11.7626	-0.0092	0.928482
<i>Ttc37</i>	chr13:76098733-76187983	19.6106	19.4822	-0.0095	0.930605
<i>Sec13</i>	chr6:113728066-113740743	56.6150	55.4012	-0.0313	0.778998
<i>Lrrc23</i>	chr6:124769862-124779727	3.1799	3.1888	0.0040	0.989175
<i>Plaur</i>	chr7:24462499-24475873	4.4281	4.4270	-0.0004	0.998064
<i>Abhd17c</i>	chr7:84109355-84151893	5.3349	5.2118	-0.0337	0.805640
<i>Hgsnat</i>	chr8:25944458-25976744	15.2619	15.1492	-0.0107	0.911421
<i>Ecsit</i>	chr9:22072245-22085438	22.8481	22.6901	-0.0100	0.860351
<i>Map2k1</i>	chr9:64185769-64253631	22.9494	22.4810	-0.0298	0.720117
<i>Cox7a2</i>	chr9:79755240-79759853	74.3910	72.6134	-0.0349	0.861251
<i>Prkx</i>	chrX:77761410-77796278	11.0641	10.8371	-0.0299	0.798952
<i>Wnk3</i>	chrX:151198139-151320152	0.6574	0.6400	-0.0387	0.849691
<i>B130046B21Rik</i>	chr15:98807031-98816077	33.2760	33.0246	-0.0109	0.842944
<i>Spryd3</i>	chr15:102116527-102136234	12.1519	11.8874	-0.0317	0.759783
<i>Cbx5</i>	chr15:103191543-103239816	17.0495	16.7124	-0.0288	0.745638
<i>Gm27017</i>	chr14:61648949-61667312	5.6986	5.7247	0.0066	0.965388
<i>Cln5</i>	chr14:103070215-103077579	20.2870	19.8903	-0.0285	0.640014
<i>Chtf18</i>	chr17:25718925-25727419	1.7253	1.6783	-0.0399	0.823898
<i>Yipf3</i>	chr17:46248079-46252537	23.4768	22.9966	-0.0298	0.738695
<i>Gm21981</i>	chr17:47686738-47694455	6.1923	6.1889	-0.0008	0.997371
<i>Gm15342</i>	chr16:96036089-96038743	6.5748	6.5647	-0.0022	0.988533
<i>Mrpl43</i>	chr19:45005013-45006442	28.9136	28.8141	-0.0050	0.977644
<i>Gbf1</i>	chr19:46152508-46286510	8.5506	8.3755	-0.0299	0.786076
<i>Pcmdt1</i>	chr1:7088919-7173628	22.9177	22.7728	-0.0092	0.911203
<i>Phf3</i>	chr1:30802341-30863256	39.1453	38.8317	-0.0116	0.822073
<i>Trappc8</i>	chr18:20817223-20896078	39.2391	38.5140	-0.0269	0.682227
<i>Hdac3</i>	chr18:37935843-37954988	18.9826	18.6307	-0.0270	0.487817
<i>Gm4951</i>	chr18:60212079-60247820	1.4849	1.3777	-0.1081	0.899026
<i>Cubn</i>	chr2:13276337-13491924	0.1062	0.1076	0.0192	0.952872
<i>Dpm2</i>	chr2:32570857-32573579	13.5644	13.2833	-0.0302	0.650903
<i>Ttc16</i>	chr2:32757025-32775633	0.5534	0.5539	0.0014	0.995632
<i>Cir1</i>	chr2:73283104-73312701	2.1805	2.1284	-0.0349	0.609146
<i>Slc43a3</i>	chr2:84936578-84958509	1.2266	1.1814	-0.0542	0.891087
<i>Eif3m</i>	chr2:104999655-105017080	50.1840	49.9917	-0.0055	0.972307
<i>Blvra</i>	chr2:127070664-127097084	7.2646	7.0960	-0.0339	0.759575
<i>Trp53tg5</i>	chr2:164470300-164473724	1.7568	1.7689	0.0099	0.979895
<i>Ctso</i>	chr3:81932600-81956725	17.3871	17.0090	-0.0317	0.804946
<i>NA</i>	chr3:88242873-88287210	1.2335	1.2399	0.0075	0.975845
<i>Hspb11</i>	chr4:107253592-107279938	5.6654	5.5265	-0.0358	0.844192
<i>St3gal3</i>	chr4:117932153-118134914	3.3184	3.3121	-0.0027	0.982613
<i>Ppih</i>	chr4:119300009-119320546	5.3602	5.2187	-0.0386	0.847344
<i>Exo5</i>	chr4:120921195-120925017	8.8536	8.8014	-0.0085	0.924411
<i>Plekhg5</i>	chr4:152072497-152115400	0.5883	0.5663	-0.0550	0.866620
<i>Ankra2</i>	chr13:98263157-98274750	12.6197	12.5187	-0.0116	0.850082
<i>4930506C21Rik</i>	chr17:8293365-8311080	1.6064	1.5541	-0.0477	0.860594
<i>Tmem173</i>	chr18:35733677-35740554	55.9990	54.9201	-0.0281	0.708251
<i>A430093F15Rik</i>	chr19:10740946-10786043	6.9633	6.7748	-0.0396	0.831046
<i>Impa2</i>	chr18:67289252-67319146	5.7473	5.5874	-0.0407	0.847953
<i>Nsun6</i>	chr2:14995130-15054884	4.7968	4.7720	-0.0075	0.952039
<i>Stxbp5</i>	chr10:9755546-9901079	6.9327	6.8766	-0.0117	0.837024
<i>Bloc1s5</i>	chr13:38602708-38635109	6.4937	6.4709	-0.0051	0.967303
<i>Cycs</i>	chr6:50562562-50566538	4.3550	4.3481	-0.0023	0.990744
<i>Neu3</i>	chr7:99811438-99828417	5.3269	5.2927	-0.0093	0.946663
<i>Smg1</i>	chr7:118131307-118243637	50.4492	50.1309	-0.0091	0.942893
<i>Trappc2l</i>	chr8:122611625-122615588	33.1376	32.9679	-0.0074	0.949668
<i>Hmbs</i>	chr9:44336349-44344228	10.3159	10.0747	-0.0341	0.757662
<i>Hdac10</i>	chr15:89123306-89128700	6.5296	6.3974	-0.0295	0.745157
<i>Vcl</i>	chr14:20929432-21033673	4.4559	4.4413	-0.0047	0.977420
<i>D430001F17Rik</i>	chr16:91931236-91962915	0.4076	0.4197	0.0422	0.943826
<i>Tm9sf3</i>	chr19:41210841-41264004	76.5033	75.1007	-0.0267	0.689068
<i>Stk11ip</i>	chr1:75521528-75537335	8.3698	8.3133	-0.0098	0.923278
<i>Asb6</i>	chr2:30823096-30830333	10.5279	10.3176	-0.0291	0.718734
<i>Gm4202</i>	chr3:92689424-92690163	1.4299	1.4470	0.0172	0.964790
<i>Slc9b1</i>	chr3:135348028-135397827	0.2381	0.2441	0.0358	0.934852
<i>Pramef8</i>	chr4:143412425-143421091	13.0780	12.9701	-0.0119	0.888486
<i>Dusp28</i>	chr1:92906988-92908620	10.1264	9.8944	-0.0334	0.819499
<i>Snhg3</i>	chr4:132348013-132353686	603.5447	605.7538	0.0053	0.985769
<i>Gm17673</i>	chr12:83954498-83984852	0.2551	0.2426	-0.0730	0.855963

Gm11788	chr11:120489405-120492394	1.8320	1.8582	0.0205	0.948599
Gm13562	chr2:26352644-26371952	9.0355	8.8326	-0.0328	0.798544
Gpat2	chr2:127425198-127436092	1.3004	1.2610	-0.0444	0.906227
Rabggtb	chr3:153907288-153912966	49.6333	48.6308	-0.0294	0.715683
2810004N23Rik	chr8:124839354-124863029	31.4731	31.2609	-0.0098	0.926866
Ankzf1	chr1:75192150-75199387	15.7472	15.6092	-0.0127	0.872024
Ralgapa2	chr2:146239878-146512026	6.2508	6.2041	-0.0108	0.911143
Mpdu1	chr11:69656696-69662642	18.2271	18.0731	-0.0122	0.859215
Itga2b	chr11:102453296-102470122	0.5149	0.5196	0.0131	0.953750
Grifin	chr5:140563118-140565071	3.5664	3.5786	0.0049	0.984044
Stx4a	chr7:127824293-127849019	21.0471	20.8788	-0.0116	0.836885
F8a	chrX:73228305-73230795	7.4165	7.3664	-0.0098	0.804263
Fam134a	chr1:75142785-75147909	29.9848	29.4048	-0.0282	0.677989
Adipor1	chr1:134415377-134433351	26.1642	25.6628	-0.0279	0.784148
Mettl15	chr2:109092296-109280748	2.7046	2.6285	-0.0412	0.804020
Gm13127	chr4:144587243-144588632	1.3988	1.3493	-0.0520	0.839577
Braf	chr6:39603236-39725463	6.2683	6.2225	-0.0106	0.911657
Clcf1	chr19:4214237-4223490	20.1869	20.0393	-0.0106	0.909920
Anxa9	chr3:95296095-95307176	0.4580	0.4664	0.0263	0.943710
Larp1	chr11:58009063-58062034	28.3230	28.1527	-0.0087	0.956002
Trmt5	chr12:73280409-73286711	13.5341	13.4339	-0.0107	0.929262
Med16	chr10:79894707-79908923	4.6288	4.6038	-0.0078	0.963713
Fbxw11	chr11:32642723-32746816	13.5302	13.4170	-0.0121	0.856009
Stat5b	chr11:100780730-100850724	33.8281	33.2017	-0.0270	0.675583
Polg2	chr11:106768252-106779537	6.1640	6.1232	-0.0096	0.932985
Gm11713	chr11:107410389-107413549	1.6091	1.6589	0.0440	0.940676
Sec14l1	chr11:117115167-117159268	4.8208	4.7286	-0.0278	0.758316
Cep131	chr11:120064429-120086827	1.9804	1.9216	-0.0435	0.841273
Ptch1	chr13:63511532-63565520	8.0513	8.0051	-0.0083	0.952718
Lrrc8b	chr5:105415774-105486189	10.4505	10.2253	-0.0314	0.845980
Cd8b1	chr6:71322835-71337477	822.5139	817.3720	-0.0090	0.944711
Ccdc37	chr6:90403735-90428797	0.2131	0.2046	-0.0586	0.791181
Gm26852	chr7:19382219-19392718	3.8606	3.8448	-0.0059	0.966795
Sars2	chr7:28741967-28753879	7.9056	7.7337	-0.0317	0.727793
Kctd13	chr7:126928878-126945631	5.7337	5.7071	-0.0067	0.968212
Ddx39	chr8:83715176-83726892	51.8389	51.3706	-0.0131	0.840226
Folr4	chr9:14885813-14903949	13.4498	13.0749	-0.0408	0.865809
Clpx	chr9:65294259-65330658	13.0611	12.7932	-0.0299	0.720507
Gmppb	chr9:108049268-108052801	16.3294	16.1998	-0.0115	0.887345
1700123O20Rik	chr14:54686170-54690742	23.7122	23.2453	-0.0287	0.714557
Mttr9	chr14:63523615-63543953	14.2416	14.1478	-0.0095	0.938458
Ubash3a	chr17:31207872-31242202	54.9116	53.8758	-0.0275	0.727293
Xrb	chr17:34031811-34038393	19.5883	19.2151	-0.0278	0.704859
2510002D24Rik	chr16:18836577-18840158	26.0822	25.5327	-0.0307	0.799000
Fra10ac1	chr19:38188480-38224138	10.4397	10.3960	-0.0060	0.964716
Rrp12	chr19:41862851-41896153	17.1916	17.0559	-0.0114	0.873103
Farp2	chr1:93512078-93621976	1.1402	1.1436	0.0043	0.989676
Ap3s1	chr18:46741916-46790826	5.3222	5.1987	-0.0339	0.732489
Nsmf	chr2:25054354-25062881	2.5112	2.4526	-0.0341	0.848433
Abl1	chr2:31688375-31804227	7.7343	7.6783	-0.0105	0.922843
Gm14049	chr2:130987983-130988619	1.3421	1.3574	0.0163	0.962439
Adnp	chr2:168180985-168207112	22.7854	22.3006	-0.0310	0.864397
Metap1	chr3:138458959-138489382	27.2086	26.9951	-0.0114	0.866708
Otud3	chr4:138895378-138913945	6.6277	6.6289	0.0003	0.998953
Trmt11	chr10:30534224-30600749	13.4195	13.3224	-0.0105	0.925805
Zmat5	chr11:4704677-4737669	14.0527	13.7251	-0.0340	0.809601
Ogdh	chr11:6291632-6356642	34.5411	34.2419	-0.0126	0.887818
Prpsap2	chr11:61729649-61762088	9.1702	9.1036	-0.0105	0.886409
Klhl10	chr11:100441916-100457022	0.7204	0.7206	0.0005	0.998122
Fbf1	chr11:116142284-116168166	3.8165	3.7358	-0.0308	0.828377
Psmc6	chr12:55384221-55418454	53.6061	53.2729	-0.0090	0.945448
4930586N03Rik	chr13:23313524-23385799	2.9893	3.0045	0.0073	0.981138
Med10	chr13:69809881-69816094	36.4722	35.7101	-0.0305	0.783505
Sepsecs	chr5:52640086-52669729	6.6517	6.5146	-0.0301	0.768097
Hnf1a	chr5:114948360-114971067	1.9113	1.8608	-0.0386	0.845959
Pon3	chr6:5220851-5256286	0.3089	0.2978	-0.0527	0.921760
Pold1	chr7:44532745-44548849	10.8483	10.7617	-0.0116	0.904029
Bcl2l12	chr7:44991221-44998712	14.0386	13.7501	-0.0300	0.742897
Gm26981	chr7:92729839-92733748	8.5036	8.4485	-0.0094	0.933379
Rsf1os2	chr7:97650009-97696828	2.8466	2.7843	-0.0319	0.708719
Copb1	chr7:114215558-114254680	52.3238	51.3330	-0.0276	0.724965

<i>Psm1</i>	chr7:114264605-114276118	48.1002	47.7788	-0.0097	0.933357
<i>Cttn1</i>	chr8:4257647-4259274	0.6668	0.6389	-0.0616	0.864889
<i>Gm17072</i>	chr8:81827662-81829275	2.0279	2.0431	0.0108	0.978050
<i>Nae1</i>	chr8:104511027-104534637	12.3746	12.2939	-0.0094	0.934801
<i>Chordc1</i>	chr9:18292266-18314000	59.0235	57.8437	-0.0291	0.855017
<i>Srpr</i>	chr9:35200174-35247973	21.3718	20.9697	-0.0274	0.654043
<i>Nat6</i>	chr9:107578886-107584048	3.3256	3.2381	-0.0385	0.821976
<i>Prmt5</i>	chr14:54507186-54517525	24.6362	24.4099	-0.0133	0.825427
<i>Rnf31</i>	chr14:55591707-55603693	19.7208	19.5575	-0.0120	0.919664
<i>Eci1</i>	chr17:24426682-24439316	13.4300	13.3449	-0.0092	0.948242
<i>Apobec2</i>	chr17:48419230-48432728	3.3709	3.2588	-0.0488	0.826777
<i>Rab31</i>	chr17:65651725-65772752	1.2980	1.2948	-0.0035	0.979742
<i>Golgb1</i>	chr16:36875139-36933085	12.9450	12.8284	-0.0131	0.809274
<i>Lrp5</i>	chr19:3584827-3686564	0.5702	0.5552	-0.0384	0.896391
<i>Slc29a2</i>	chr19:5024005-5031971	0.8025	0.8083	0.0104	0.980196
<i>Rfx3</i>	chr19:27761720-28011166	7.1187	7.0636	-0.0112	0.895012
<i>Sema4g</i>	chr19:44989100-45003397	1.1990	1.1938	-0.0063	0.958577
<i>Tmem180</i>	chr19:46341120-46375252	0.3162	0.3220	0.0262	0.933073
<i>Picl1</i>	chr1:55406387-55751802	0.6938	0.6739	-0.0420	0.919791
<i>Bcl2</i>	chr1:106538177-106714274	77.3692	75.8188	-0.0292	0.836769
<i>Fam72a</i>	chr1:131527902-131539872	0.7418	0.7180	-0.0470	0.842674
<i>Swt1</i>	chr1:151367698-151428455	7.4934	7.4438	-0.0096	0.928031
<i>Gm26685</i>	chr1:164503306-164514882	1.0662	1.0763	0.0136	0.972382
<i>Taf1a</i>	chr1:183388980-183409353	16.3539	16.2537	-0.0089	0.915547
<i>Nsl1</i>	chr1:191063011-191084558	1.2500	1.2064	-0.0512	0.874690
<i>Camk4</i>	chr18:32939040-33195767	15.0625	14.7977	-0.0256	0.694432
<i>Shhg4</i>	chr18:35553409-35558316	13.5463	13.4702	-0.0081	0.931106
<i>Ralgds</i>	chr2:28513124-28553081	3.6549	3.6510	-0.0016	0.994890
<i>Rcn1</i>	chr2:105386290-105399319	27.7232	27.1956	-0.0277	0.698789
<i>Sec62</i>	chr3:30792875-30821263	40.0474	39.2683	-0.0283	0.761320
<i>Etfdh</i>	chr3:79603787-79628863	8.8016	8.6363	-0.0274	0.625313
<i>Dnali1</i>	chr4:125055337-125065703	1.4207	1.4235	0.0028	0.987032
<i>Snora73a</i>	chr4:132352774-132352979	2802.9729	2809.4198	0.0033	0.991245
<i>Lypla2</i>	chr4:135968223-135972626	31.0137	30.8258	-0.0088	0.954578
<i>C030017K20Rik</i>	chr4:155451569-155466530	0.2206	0.1977	-0.1579	0.925857
<i>Hk1os</i>	chr10:62340255-62363367	0.8347	0.8108	-0.0420	0.894253
<i>Zbtb7a</i>	chr10:81135219-81152995	10.0026	9.7771	-0.0329	0.886250
<i>Prim1</i>	chr10:128015167-128030037	8.1180	7.9462	-0.0309	0.774122
<i>Fndc9</i>	chr11:4623530-46239872	5.5134	5.3886	-0.0330	0.874028
<i>Prpf8</i>	chr11:75486815-75509449	74.7230	73.9741	-0.0145	0.819918
<i>Gm11719</i>	chr11:107330707-107331058	6.0339	5.8611	-0.0419	0.856032
<i>Syng2</i>	chr11:117809667-117814283	19.0949	18.6984	-0.0303	0.814238
<i>Kif3c</i>	chr12:3365131-3406494	6.0710	6.0332	-0.0090	0.910980
<i>Tmem251</i>	chr12:102743759-102747561	11.0347	10.8257	-0.0276	0.598308
<i>Gm9752</i>	chr13:119473803-119476761	16.2425	16.1247	-0.0105	0.912096
<i>Mpv17</i>	chr5:31140659-31158153	6.3290	6.2034	-0.0289	0.763230
<i>Gm9903</i>	chr5:33629924-33632092	1.1187	1.1260	0.0094	0.971124
<i>Grsf1</i>	chr5:88659447-88676171	18.2350	17.9124	-0.0258	0.627106
<i>Ephb6</i>	chr6:41605481-41620509	5.7588	5.7121	-0.0118	0.901769
<i>Smyd1</i>	chr6:71213939-71322233	0.7320	0.7117	-0.0407	0.893385
<i>Zfp384</i>	chr6:125009144-125037870	6.5430	6.4959	-0.0104	0.910904
<i>Nudt19</i>	chr7:35547184-35556304	12.7735	12.7016	-0.0081	0.951863
<i>Xpo6</i>	chr7:126101714-126200501	20.8927	20.7268	-0.0115	0.915364
<i>Bckdk</i>	chr7:127904081-127909664	15.2276	15.1130	-0.0109	0.934771
<i>Prr33</i>	chr7:142491073-142506771	8.7513	8.5722	-0.0298	0.822360
<i>Tmco3</i>	chr8:13288012-13322924	3.2693	3.2464	-0.0102	0.911931
<i>Klhl2</i>	chr8:64739862-64849818	11.3857	11.1824	-0.0260	0.689300
<i>Gm27011</i>	chr8:121949673-121950645	3.4905	3.4824	-0.0033	0.986458
<i>Egln1</i>	chr8:124908595-12494254	16.1456	15.8584	-0.0259	0.681765
<i>Naalad2</i>	chr9:18321950-18402995	0.3847	0.3720	-0.0484	0.912389
<i>Dnm2</i>	chr9:21424907-21507759	72.5976	71.9567	-0.0128	0.876472
<i>Ppib</i>	chr9:66060168-66066629	224.6937	220.0718	-0.0300	0.832142
<i>Rnf7</i>	chr9:96470940-96478675	18.1511	17.7747	-0.0302	0.843479
<i>Nbeal2</i>	chr9:110624788-110654161	22.1012	21.9701	-0.0086	0.963986
<i>Pdcd6ip</i>	chr9:113651743-113708259	23.2480	23.0486	-0.0124	0.875356
<i>Sash3</i>	chrX:48146435-48161565	190.5209	187.2655	-0.0249	0.485490
<i>Hdac8</i>	chrX:102284638-102505359	4.1247	4.0916	-0.0116	0.911889
<i>Fgd1</i>	chrX:151046149-151089521	0.8140	0.7883	-0.0462	0.832656
<i>Mbtps2</i>	chrX:157535370-157598715	3.7372	3.6631	-0.0289	0.813389
<i>Jrk</i>	chr15:74702411-74709535	5.2400	5.1981	-0.0116	0.906766
<i>Tmbim6</i>	chr15:99392881-99410049	88.8087	87.8918	-0.0150	0.772631

Atxn7	chr14:14012490-14107296	16.2431	16.1167	-0.0113	0.898901
Tox4	chr14:52279145-52296391	25.5769	25.3416	-0.0133	0.734226
Tmem242	chr17:5410863-5440260	19.3189	18.8798	-0.0332	0.856640
4732491K20Rik	chr17:12318884-12327250	0.4032	0.4066	0.0123	0.981737
Unkl	chr17:25188396-25234443	5.9725	5.9219	-0.0123	0.868750
Gm26734	chr17:94834905-94836642	1.1141	1.1165	0.0031	0.990456
Top3b	chr16:16870735-16892990	10.8096	10.7110	-0.0132	0.874121
Eij4g1	chr16:20668312-20692884	71.0862	70.3675	-0.0147	0.776201
Cox15	chr19:43733253-43753000	8.4907	8.4218	-0.0118	0.912695
1700066M21Rik	chr1:57377619-57385423	4.9035	4.8006	-0.0306	0.815067
Orc2	chr1:58462770-58505109	16.5251	16.2132	-0.0275	0.799109
Tpgs2	chr18:25127222-25169007	3.2021	3.1823	-0.0090	0.935442
Camk1d	chr2:5293456-5714515	8.9235	8.8563	-0.0109	0.929644
Ehmt1	chr2:24790768-24919609	14.4536	14.1962	-0.0259	0.682383
Ccdc148	chr2:58821696-59160683	0.2986	0.2881	-0.0520	0.842376
Snap23	chr2:120567670-120601255	8.0804	8.0451	-0.0063	0.965496
Pde4dip	chr3:97689823-97888707	5.4572	5.4255	-0.0084	0.947402
Tceanc2	chr4:107134154-107179116	6.9335	6.7972	-0.0286	0.805778
Mcmdc2	chr1:9908637-9942085	1.8598	1.8160	-0.0344	0.823315
Slc27a4	chr2:29802633-29817522	5.6506	5.5380	-0.0290	0.754523
A530072M11Rik	chr4:16164109-16266225	1.9765	1.9712	-0.0039	0.986546
Zcchc6	chr13:59771878-59823147	49.5944	49.1132	-0.0141	0.723953
Csf2ra	chr19:61224401-61228418	1.2016	1.1615	-0.0490	0.844541
Klrf1	chr6:129610322-129623864	20.0912	20.0027	-0.0064	0.978790
4931406P16Rik	chr7:34236706-34313551	11.3562	11.1495	-0.0265	0.775221
2310043M15Rik	chr16:93792149-93794888	1.2106	1.2140	0.0041	0.986932
6330549D23Rik	chr3:96606658-96629820	0.7931	0.7933	0.0003	0.999303
Gstm1	chr3:108012254-108017973	0.6477	0.6608	0.0288	0.960721
Rpl22	chr4:152325741-152334071	104.3983	101.6769	-0.0381	0.874153
Etnk1	chr6:143167229-143208542	56.0105	54.9351	-0.0280	0.823983
Lcp1	chr14:75131100-75230842	120.6411	118.5292	-0.0255	0.706730
D930007J09Rik	chr13:32802456-32802849	18.3590	18.3434	-0.0012	0.995301
Gtf2h5	chr17:6079785-6086517	7.8692	7.8096	-0.0110	0.921058
Tbc1d22b	chr17:29549787-29606895	14.1327	14.0406	-0.0094	0.950436
Lrp11	chr10:7589799-7625483	0.6609	0.6637	0.0060	0.980062
Zfc3h1	chr10:115384958-115432772	35.8261	35.1991	-0.0255	0.768112
Lap3	chr5:45493373-45512674	10.1404	9.9254	-0.0309	0.835487
Rfc5	chr5:117378102-117389047	8.4430	8.2812	-0.0279	0.713605
Mrps25	chr6:92169524-92184033	19.5997	19.4147	-0.0137	0.804170
Pcf11	chr7:92643711-92669933	50.1282	49.6852	-0.0128	0.843826
Rab6a	chr7:100607409-100641268	20.0151	19.6762	-0.0246	0.623728
Ate1	chr7:130391525-130519961	16.9204	16.6274	-0.0252	0.576723
Slc27a1	chr8:71568926-71586708	2.0924	2.0426	-0.0347	0.858170
Gm17344	chr8:109859983-109868455	16.6539	16.5283	-0.0109	0.884012
Tcaim	chr9:122805538-122836334	8.2306	8.1604	-0.0124	0.897685
Rbm3os	chrX:8145428-8147964	4.0427	4.0308	-0.0042	0.971524
Adsl	chr15:80948489-80970947	20.6721	20.3104	-0.0255	0.427117
Trav7-3	chr14:53443248-53443838	2.0854	2.0067	-0.0555	0.873363
Gm7535	chr17:17911038-17911947	1.1663	1.1258	-0.0509	0.883358
Ndufs2	chr1:171234852-171247122	60.7024	59.5703	-0.0272	0.730689
Gm1305	chr1:179695296-179745185	1.1353	1.1437	0.0107	0.972252
Snrnp200	chr2:127208385-127240451	54.1870	53.6357	-0.0148	0.739921
Dbt	chr3:116513069-116549976	9.0025	8.8401	-0.0263	0.561677
Rragd	chr4:32983036-33022180	1.6453	1.6128	-0.0288	0.885960
Sdhd	chr4:140961202-140979193	40.3914	40.0738	-0.0114	0.924749
Rnf4	chr5:34336288-34355629	26.2005	25.9499	-0.0139	0.824815
Yipf6	chrX:98936315-98949017	10.9291	10.7379	-0.0255	0.666216
Mapk8	chr14:33377897-33447158	6.4913	6.3693	-0.0274	0.746448
Fig4	chr10:41188171-41303241	16.7880	16.6416	-0.0126	0.859743
Anxa6	chr11:54979107-55033445	327.9376	321.9655	-0.0265	0.725028
Nat14	chr7:4922250-4925006	0.6702	0.6820	0.0252	0.940988
Rpl29	chr9:106429453-106431568	20.8291	20.3926	-0.0306	0.864429
Cby1	chr15:79659226-79667660	6.5235	6.5039	-0.0043	0.977593
Uchl3	chr14:101653966-101696124	18.0983	17.9968	-0.0081	0.949903
Rbm15	chr3:107326109-107333289	24.3483	24.1177	-0.0137	0.852304
1500011B03Rik	chr5:114808195-114813976	11.9587	11.7068	-0.0307	0.858097
Use1	chr8:71366847-71369732	49.3235	49.0190	-0.0089	0.956654
Brix1	chr15:10474778-10485947	17.6234	17.2905	-0.0275	0.793440
Trmt10a	chr3:138143447-138159821	2.5466	2.4946	-0.0297	0.786743
Bcl2l13	chr6:120836229-120892842	8.0504	7.9838	-0.0120	0.864639
2410015M20Rik	chr17:56607451-56609771	57.8349	56.6453	-0.0300	0.859635

<i>Mif4gd</i>	chr11:115607917-115612969	16.0766	15.7888	-0.0261	0.796111
<i>Trim46</i>	chr3:89234176-89246309	0.6706	0.6721	0.0032	0.992525
<i>Zkscan17</i>	chr11:5948519-59526751	7.3731	7.3170	-0.0110	0.944973
<i>Rab24</i>	chr13:55319222-55321980	26.3634	26.1463	-0.0119	0.910602
<i>Ldoc1l</i>	chr15:84553397-84557823	3.8127	3.7253	-0.0335	0.887178
<i>Ifnar2</i>	chr16:91372782-91405589	37.6288	37.2370	-0.0151	0.706488
<i>Tmprss9</i>	chr10:80879719-80899441	0.6072	0.5917	-0.0373	0.803909
<i>Gm12207</i>	chr11:52233723-52236619	8.2565	8.2585	0.0004	0.999019
<i>Slc25a19</i>	chr11:115614177-115628295	7.4897	7.3538	-0.0264	0.754980
<i>Sap30bpos</i>	chr11:115946449-115952105	0.9933	0.9939	0.0009	0.994795
<i>Plek2</i>	chr12:78888690-78906964	1.3300	1.2926	-0.0411	0.931181
<i>Gm17122</i>	chr5:113842600-113843116	34.4649	34.3411	-0.0052	0.975935
<i>Ncor2</i>	chr5:125017152-125179219	2.8605	2.8020	-0.0298	0.897541
<i>Mpp6</i>	chr6:50110240-50198598	8.6525	8.4927	-0.0269	0.813693
<i>1700058P15Rik</i>	chr7:19258491-19259739	16.4929	16.0453	-0.0397	0.891512
<i>Dpy19l3</i>	chr7:35685164-35754454	2.3249	2.2756	-0.0309	0.794340
<i>2810428l15Rik</i>	chr8:70504291-70506752	9.4019	9.1972	-0.0318	0.849775
<i>Gm8606</i>	chrX:155504036-155504924	2.3139	2.2340	-0.0507	0.923924
<i>Khsrp</i>	chr17:57021057-57031507	20.8870	20.4788	-0.0285	0.842237
<i>Ttc27</i>	chr17:74717749-74863570	23.2517	22.8077	-0.0278	0.773739
<i>Gm15591</i>	chr16:45736502-45737318	3.8314	3.8302	-0.0004	0.998082
<i>Snhg1</i>	chr19:8723495-8726442	52.1389	51.7648	-0.0104	0.950852
<i>NA</i>	chr1:60703917-60705656	4.3179	4.2132	-0.0354	0.834618
<i>Ralb</i>	chr1:119470304-119504794	1.7205	1.7135	-0.0059	0.979765
<i>Gm16304</i>	chr1:139133890-139134665	2.6914	2.6251	-0.0360	0.869808
<i>Acbd6</i>	chr1:155558119-155687233	12.4253	12.3741	-0.0060	0.976764
<i>Zfp191</i>	chr18:24009701-24020810	15.7101	15.5718	-0.0128	0.872891
<i>Rfxap</i>	chr3:54803114-54807791	9.6223	9.4478	-0.0264	0.639267
<i>Gm16540</i>	chr3:90057258-90058380	2.6566	2.6794	0.0123	0.959315
<i>Orc1</i>	chr4:108579422-108614833	0.9949	0.9920	-0.0042	0.977968
<i>Megf11</i>	chr9:64385625-64709205	1.0964	1.0711	-0.0336	0.911192
<i>Exosc8</i>	chr3:54728677-54735393	22.9253	22.5164	-0.0260	0.705221
<i>Atp6v0c</i>	chr17:24163865-24169702	1.8206	1.8113	-0.0074	0.955894
<i>Nin</i>	chr12:70011434-70111925	38.8050	38.1330	-0.0252	0.755945
<i>Gm5578</i>	chr6:112605543-112606779	1.1175	1.1300	0.0161	0.955652
<i>Arhgef6</i>	chrX:57231484-57338729	31.9819	31.6676	-0.0143	0.763897
<i>Rbm18</i>	chr2:36116078-36136773	7.2688	7.2016	-0.0134	0.786174
<i>Mcoln2</i>	chr3:146149832-146195513	10.6990	10.4715	-0.0310	0.848721
<i>Ojfr99</i>	chr17:37279500-37280418	8.2084	8.0393	-0.0300	0.814130
<i>Kctd11</i>	chr11:69878264-69880985	0.8807	0.8832	0.0041	0.988738
<i>NA</i>	chr11:76179670-76214816	8.1068	7.9496	-0.0283	0.769084
<i>Tti2</i>	chr8:31150315-31164702	17.5300	17.3507	-0.0148	0.734592
<i>Plekho2</i>	chr9:65554385-65580040	15.7072	15.4082	-0.0277	0.806087
<i>Gm17082</i>	chr14:122121552-122122643	0.8198	0.7877	-0.0576	0.890803
<i>Gstcd</i>	chr3:132981752-133092033	4.8623	4.7699	-0.0277	0.775069
<i>Gm13152</i>	chr4:147492416-147513486	0.7898	0.8015	0.0213	0.967651
<i>Dok1</i>	chr6:83030933-83033471	13.1428	12.8961	-0.0273	0.731162
<i>Maz</i>	chr7:127022142-127026479	44.8931	44.1187	-0.0251	0.771524
<i>Fmn13</i>	chr15:99317224-99370482	7.9636	7.8895	-0.0135	0.904228
<i>E030030l06Rik</i>	chr10:22113049-22148823	1.7199	1.6813	-0.0328	0.854435
<i>Hmgb1-ps8</i>	chr10:22262741-22263367	100.8589	99.4848	-0.0198	0.842385
<i>Snora33</i>	chr10:23785346-23785475	53.1346	52.6399	-0.0135	0.946756
<i>Hddc2</i>	chr10:31313381-31328204	7.1151	7.0226	-0.0189	0.878609
<i>Gm26464</i>	chr10:42820462-42820767	2.4684	2.4146	-0.0318	0.927848
<i>Gm16998</i>	chr10:54075921-54081081	0.7396	0.7347	-0.0095	0.976771
<i>Msl3l2</i>	chr10:56106916-56116880	2.6829	2.6583	-0.0133	0.965594
<i>4632428N05Rik</i>	chr10:60346850-60372684	140.0660	138.5231	-0.0160	0.864741
<i>Ddt</i>	chr10:75771229-75773414	17.7927	17.6988	-0.0076	0.967267
<i>Gm20441</i>	chr10:75771450-75780954	7.6403	7.6067	-0.0064	0.979059
<i>Plekhl1</i>	chr10:80796099-80798626	32.1047	31.6160	-0.0221	0.790281
<i>Mir1982</i>	chr10:80828796-80828870	19.2594	18.7818	-0.0362	0.817546
<i>Eef2</i>	chr10:81176630-81182507	1353.2668	1333.5046	-0.0212	0.888704
<i>Pip5k1c</i>	chr10:81292962-81319973	15.3440	15.2268	-0.0111	0.943225
<i>Mfsd12</i>	chr10:81357490-81366225	2.9865	2.9371	-0.0241	0.895333
<i>Fzr1</i>	chr10:81366221-81378516	6.8474	6.7801	-0.0142	0.902213
<i>BC025920</i>	chr10:81606269-81620703	4.1700	4.1275	-0.0148	0.916838
<i>1190007l07Rik</i>	chr10:82619850-82623196	8.9111	8.7357	-0.0287	0.851335
<i>Nfyb</i>	chr10:82748700-82764144	13.5226	13.4046	-0.0126	0.916492
<i>Tmem263</i>	chr10:85102626-85117747	7.1958	7.1080	-0.0177	0.747822
<i>A230060F14Rik</i>	chr10:86021779-86022325	3.7962	3.8085	0.0046	0.987769
<i>BC030307</i>	chr10:86705810-86776843	0.7285	0.7279	-0.0012	0.996097

<i>Uhrf1bp1</i>	chr10:89744990-89819869	17.1761	16.9632	-0.0180	0.807730
<i>Fgd6</i>	chr10:94036000-94145339	1.0373	1.0204	-0.0237	0.812810
<i>Tmtc3</i>	chr10:100443901-100487350	0.2751	0.2754	0.0016	0.994652
<i>Nap1l1</i>	chr10:111473191-111498142	15.9856	15.7302	-0.0232	0.633499
<i>Cpsf6</i>	chr10:117344672-117380015	31.8576	31.4937	-0.0166	0.747237
<i>Lemd3</i>	chr10:120923412-120979332	13.3923	13.2341	-0.0171	0.832949
<i>Mir546</i>	chr10:126998439-126998560	41.8553	41.5194	-0.0116	0.960648
<i>Gm20492</i>	chr10:127288513-127289681	2.7605	2.7287	-0.0168	0.970727
<i>Baz2a</i>	chr10:128092782-128129303	18.7699	18.5476	-0.0172	0.905510
<i>Cnpy2</i>	chr10:128322458-128327187	20.9142	20.4328	-0.0336	0.838068
<i>Myl6</i>	chr10:128490859-128493875	114.6512	113.8150	-0.0106	0.951174
<i>2210015D19Rik</i>	chr11:5762128-5784710	4.0475	3.9769	-0.0254	0.796813
<i>Wdr92</i>	chr11:17182106-17233796	23.1364	22.8756	-0.0164	0.811172
<i>Etaa1</i>	chr11:17938755-17953875	7.1685	7.0911	-0.0157	0.844982
<i>Gm20456</i>	chr11:22839298-22842604	2.2511	2.2307	-0.0131	0.975510
<i>Vrk2</i>	chr11:26471321-26593999	5.8909	5.7888	-0.0252	0.784001
<i>Smek2</i>	chr11:29172889-29220797	67.4201	66.3048	-0.0241	0.783556
<i>Kcnmb1</i>	chr11:33963012-33973641	0.6159	0.6125	-0.0080	0.983946
<i>Cnng1</i>	chr11:40748551-40755311	66.0404	65.3467	-0.0152	0.882184
<i>Snord95</i>	chr11:48803138-48803206	44.0188	43.5271	-0.0162	0.944412
<i>Olfr56</i>	chr11:48978888-49135387	2.2704	2.2266	-0.0281	0.889144
<i>Cnot6</i>	chr11:49671502-49712723	21.9404	21.5365	-0.0268	0.847506
<i>Canx</i>	chr11:50293960-50325673	103.6237	102.2724	-0.0189	0.846927
<i>Uqcrc</i>	chr11:53427921-53430831	11.6269	11.4925	-0.0168	0.925365
<i>Ccdc69</i>	chr11:55049730-55078131	19.4476	19.1302	-0.0237	0.778223
<i>Tom1l2</i>	chr11:60226713-60352905	3.1557	3.1123	-0.0200	0.903962
<i>Drg2</i>	chr11:60454590-60468754	16.7768	16.6064	-0.0147	0.800642
<i>Miej2</i>	chr11:60728397-60732951	7.6850	7.5869	-0.0185	0.842680
<i>Lrrc7saos2</i>	chr11:62605765-62607748	3.9730	3.8780	-0.0349	0.783482
<i>9630013K17Rik</i>	chr11:63964225-63968040	3.4814	3.4352	-0.0193	0.923446
<i>Adprm</i>	chr11:67037904-67052594	14.2293	13.9641	-0.0271	0.775917
<i>Chd3</i>	chr11:69343272-69369406	75.4887	74.2681	-0.0235	0.859355
<i>Spag7</i>	chr11:70663770-70669416	24.1578	23.6917	-0.0281	0.847002
<i>Camta2</i>	chr11:70669462-70688105	4.1412	4.0840	-0.0201	0.920307
<i>Mettl16</i>	chr11:74770829-74828525	5.3240	5.2748	-0.0134	0.843540
<i>Efcab5</i>	chr11:77089914-77188968	0.2628	0.2559	-0.0388	0.882021
<i>Took1</i>	chr11:77529161-77607815	29.8228	29.5166	-0.0149	0.872756
<i>Poldip2</i>	chr11:78512192-78522736	9.8284	9.7343	-0.0139	0.826881
<i>Tmem97</i>	chr11:78541816-78550777	4.2930	4.2150	-0.0265	0.851305
<i>Fndc8</i>	chr11:82892123-82900801	0.9449	0.9525	0.0117	0.973134
<i>Mrm1</i>	chr11:84813060-84819515	14.2815	14.1257	-0.0158	0.844323
<i>Znhit3</i>	chr11:84910949-84916366	4.6400	4.5929	-0.0147	0.886566
<i>Mtmt4</i>	chr11:87592161-87616302	8.6907	8.5542	-0.0228	0.732983
<i>Cuedc1</i>	chr11:88098057-88194140	1.1444	1.1420	-0.0030	0.991008
<i>Tac4</i>	chr11:95261528-95269265	1.4745	1.4292	-0.0450	0.894531
<i>Gm11537</i>	chr11:96766801-96768269	7.6608	7.4806	-0.0343	0.888992
<i>Tbkbp1</i>	chr11:97136170-97151495	0.3011	0.2948	-0.0304	0.943851
<i>E130012A19Rik</i>	chr11:97627392-97629716	2.5756	2.5279	-0.0270	0.915585
<i>Mien1</i>	chr11:98437707-98438991	38.3006	37.6997	-0.0228	0.871500
<i>Stat3</i>	chr11:100885097-100939540	31.0472	30.6590	-0.0182	0.832093
<i>Wnk4</i>	chr11:101260566-101277409	0.7892	0.7679	-0.0396	0.896232
<i>Aoc2</i>	chr11:101325062-101329702	5.3912	5.2811	-0.0298	0.866280
<i>Brcal</i>	chr11:101488763-101551955	2.5799	2.5433	-0.0206	0.924143
<i>Rundc3a</i>	chr11:102393402-102402555	3.1873	3.1217	-0.0300	0.876662
<i>Gpatch8</i>	chr11:102475914-102556392	13.2805	13.0802	-0.0219	0.743147
<i>Eftud2</i>	chr11:102838472-102880985	12.2548	12.0644	-0.0226	0.642560
<i>Gm20511</i>	chr11:103190709-103192896	21.6714	21.3228	-0.0234	0.864295
<i>C130046K22Rik</i>	chr11:103697723-103722832	2.0236	1.9946	-0.0209	0.940174
<i>Kansl1</i>	chr11:104333228-104468861	19.9296	19.7231	-0.0150	0.789356
<i>Ftsj3</i>	chr11:106249141-106256079	50.2768	49.4466	-0.0240	0.693657
<i>Arsg</i>	chr11:109473373-109573330	1.0104	0.9976	-0.0185	0.963995
<i>Cog1</i>	chr11:113649168-113667054	14.8415	14.6677	-0.0170	0.745883
<i>Tmem104</i>	chr11:115187486-115247023	1.8965	1.8828	-0.0105	0.957222
<i>Ict1os</i>	chr11:115406585-115408314	6.2611	6.2092	-0.0120	0.960345
<i>Gm25364</i>	chr11:115601655-115601762	7.5507	7.3631	-0.0363	0.885806
<i>Ten1</i>	chr11:116198854-116215318	7.6643	7.5146	-0.0285	0.869088
<i>BC100451</i>	chr11:118332359-118342500	1.0076	1.0023	-0.0076	0.974846
<i>Chmp6</i>	chr11:119913440-119919548	11.9185	11.7513	-0.0204	0.839396
<i>Enthd2</i>	chr11:120090530-120098731	10.1962	10.0400	-0.0223	0.722252
<i>Gm23419</i>	chr11:120346735-120346819	25.8190	25.3561	-0.0261	0.929328
<i>Oxld1</i>	chr11:120456605-120458068	6.8909	6.8323	-0.0123	0.955885

<i>Arhgdia</i>	chr11:120578103-120581624	75.5548	74.8246	-0.0140	0.921482
<i>B3gnt1</i>	chr11:121616196-121673153	9.9580	9.8056	-0.0223	0.838326
<i>Wdr35</i>	chr12:8973891-9028847	0.4188	0.4068	-0.0419	0.849426
<i>Nbas</i>	chr12:13269126-13583810	11.0419	10.9143	-0.0168	0.893476
<i>Taf1b</i>	chr12:24498580-24558571	25.8782	25.3837	-0.0278	0.756125
<i>Trappc6b</i>	chr12:59043092-59061461	24.6706	24.2344	-0.0257	0.809400
<i>Dnaaf2</i>	chr12:69189086-69198429	10.3689	10.2376	-0.0184	0.811664
<i>4931403G20Rik</i>	chr12:69847634-69853671	0.4312	0.4204	-0.0366	0.896062
<i>Jkamp</i>	chr12:72085588-72101461	8.1280	8.0425	-0.0153	0.839207
<i>Sipa11</i>	chr12:82170015-82451782	17.1557	16.8801	-0.0234	0.823347
<i>Acot6</i>	chr12:84100653-84111349	1.6002	1.5735	-0.0243	0.789234
<i>Fam161b</i>	chr12:84345308-84361833	0.4678	0.4568	-0.0343	0.841511
<i>Ahsa1</i>	chr12:87266745-87273997	83.9141	82.9806	-0.0161	0.911030
<i>Calm1</i>	chr12:100199434-100209806	174.0866	172.1177	-0.0164	0.885599
<i>Gm21971</i>	chr12:102673016-102727333	3.1105	3.0777	-0.0153	0.955504
<i>Ankrd9</i>	chr12:110975352-110979040	1.3204	1.3001	-0.0223	0.891450
<i>Snora28</i>	chr12:111540940-111541067	29.4137	29.4162	0.0001	0.999712
<i>Klc1</i>	chr12:111758848-111807844	14.8956	14.7622	-0.0130	0.894174
<i>Actn2</i>	chr13:12269425-12340760	5.7224	5.6365	-0.0218	0.922543
<i>Abt1</i>	chr13:23421538-23423866	16.2082	16.0247	-0.0164	0.921277
<i>Gpld1</i>	chr13:24943151-24990753	4.3393	4.2666	-0.0244	0.875509
<i>Sox4</i>	chr13:28948918-28953713	5.8195	5.7682	-0.0128	0.947894
<i>Wrnip1</i>	chr13:32802037-32822609	26.0393	25.6249	-0.0231	0.804912
<i>Tmem14c</i>	chr13:41016249-41022575	45.8844	45.4697	-0.0131	0.926032
<i>Mcur1</i>	chr13:43538411-43560191	8.2441	8.1131	-0.0231	0.687260
<i>Tpmt</i>	chr13:47025169-47044737	0.8359	0.8218	-0.0246	0.908231
<i>Phf2os1</i>	chr13:48871111-48875460	6.0150	5.8949	-0.0291	0.908870
<i>Sema4d</i>	chr13:51701245-51793747	22.5753	22.2983	-0.0178	0.937094
<i>H2afy</i>	chr13:56073618-56136361	48.7087	48.1849	-0.0156	0.808382
<i>Zfp874a</i>	chr13:67424548-67451624	6.7193	6.6820	-0.0080	0.954817
<i>Zfp493</i>	chr13:67779753-67792512	2.2164	2.1780	-0.0253	0.763712
<i>Tert</i>	chr13:73627000-73649041	0.6985	0.6954	-0.0064	0.986537
<i>Trip13</i>	chr13:73912461-73937767	1.0985	1.0857	-0.0168	0.952689
<i>Ccdc127</i>	chr13:74350308-74365783	6.4261	6.3221	-0.0236	0.703955
<i>Pou5f2</i>	chr13:78022912-78026296	2.2264	2.1929	-0.0219	0.936319
<i>Ccnh</i>	chr13:85189407-85223469	19.4857	19.2836	-0.0150	0.853213
<i>Xrcc4</i>	chr13:89774026-90089608	7.7631	7.6768	-0.0161	0.890126
<i>Homer1</i>	chr13:93303756-93404129	2.5703	2.5338	-0.0206	0.881704
<i>Jmy</i>	chr13:93430096-93499808	6.7421	6.6306	-0.0240	0.843628
<i>Gbbp1</i>	chr13:111425679-111490111	70.2355	69.7003	-0.0110	0.931965
<i>Slc38a9</i>	chr13:112660765-112738743	5.3695	5.3002	-0.0187	0.781380
<i>Skiv2l2</i>	chr13:112867779-112927380	39.4211	38.9152	-0.0186	0.696131
<i>Itga2</i>	chr13:114835915-114932041	1.6167	1.6028	-0.0124	0.963093
<i>3110070M22Rik</i>	chr13:119487260-119488383	0.7891	0.7802	-0.0163	0.965292
<i>NA</i>	chr5:5781529-5783607	1.2707	1.2536	-0.0195	0.941139
<i>Gm26825</i>	chr5:5781529-5783636	1.3033	1.2857	-0.0195	0.941139
<i>Napepld</i>	chr5:21662900-21701396	2.6059	2.5715	-0.0191	0.861788
<i>Tomm7</i>	chr5:23838943-23844161	42.3729	41.6249	-0.0257	0.906297
<i>Prkag2os1</i>	chr5:24902568-24906850	1.2834	1.2600	-0.0265	0.928672
<i>Nom1</i>	chr5:29434663-29453506	17.1082	16.8024	-0.0260	0.750025
<i>Ept1</i>	chr5:30232580-30272012	5.3662	5.2913	-0.0203	0.859102
<i>4930566F21Rik</i>	chr5:31486628-31495179	1.1472	1.1365	-0.0135	0.969740
<i>Fam53a</i>	chr5:33600350-33629635	9.0198	8.9112	-0.0175	0.838189
<i>Add1</i>	chr5:34573663-34632308	79.1278	78.2338	-0.0164	0.819941
<i>Mfsd10</i>	chr5:34633641-34637212	6.8059	6.6911	-0.0245	0.913436
<i>Msantd1</i>	chr5:34915914-34923839	0.7856	0.7633	-0.0414	0.914016
<i>9230114K14Rik</i>	chr5:52190680-52197984	0.9162	0.8907	-0.0408	0.758970
<i>Anapc4</i>	chr5:52834014-52867797	15.6307	15.3540	-0.0258	0.695576
<i>Bend4</i>	chr5:67392146-67427799	13.0301	12.9290	-0.0112	0.942395
<i>Tec</i>	chr5:72755717-72868483	14.8038	14.5968	-0.0203	0.788131
<i>Gm9870</i>	chr5:72914295-72914942	8.7208	8.5697	-0.0252	0.920551
<i>Fryl</i>	chr5:73020321-73256618	36.6434	35.9819	-0.0263	0.874023
<i>Usp46</i>	chr5:73998462-74068430	1.3773	1.3666	-0.0113	0.940251
<i>Gm15982</i>	chr5:74356565-74358415	2.4672	2.4096	-0.0341	0.905663
<i>G3bp2</i>	chr5:92052145-92083735	65.2161	64.5858	-0.0140	0.784384
<i>Gm22728</i>	chr5:92056063-92056192	7.9567	7.6743	-0.0521	0.880146
<i>5430416N02Rik</i>	chr5:100420841-100429516	10.7279	10.5507	-0.0240	0.624980
<i>Mrps18c</i>	chr5:100798626-100804471	16.0282	15.7446	-0.0258	0.886420
<i>Gm26692</i>	chr5:107659096-107688015	3.4218	3.3325	-0.0381	0.912853
<i>Evi5</i>	chr5:107744794-107875107	0.3346	0.3326	-0.0085	0.941370
<i>Fam69a</i>	chr5:107908052-107987085	25.1763	24.8210	-0.0205	0.770573

<i>Crif2</i>	chr5:109554710-109558993	15.2982	15.0485	-0.0237	0.873040
<i>Noc4l</i>	chr5:110648417-110653417	11.2396	11.1454	-0.0121	0.910488
<i>Wscd1</i>	chr5:113490332-113589725	0.9005	0.8818	-0.0301	0.888341
<i>Trpv4</i>	chr5:114622151-114658421	0.2281	0.2279	-0.0012	0.997271
<i>Ankrd13a</i>	chr5:114774676-114806200	64.3434	63.7033	-0.0144	0.858201
<i>NA</i>	chr5:114812792-114813945	7.0312	6.9880	-0.0089	0.961254
<i>Unc119b</i>	chr5:115122549-115134975	12.4560	12.3168	-0.0162	0.899057
<i>Ddx54</i>	chr5:120613129-120628590	39.3337	38.7536	-0.0214	0.800498
<i>Gm26205</i>	chr5:121205009-121205143	19.1061	18.8540	-0.0192	0.918577
<i>Rnf34</i>	chr5:122850187-122868945	35.2185	34.6746	-0.0225	0.691721
<i>Wdr66</i>	chr5:123252101-123327484	0.2864	0.2791	-0.0373	0.868482
<i>Mlxip</i>	chr5:123394797-123457932	8.9435	8.8638	-0.0129	0.949222
<i>Gm16001</i>	chr5:124111108-124112241	5.1005	5.0855	-0.0042	0.985515
<i>Scarb1</i>	chr5:125277086-125341094	2.1433	2.1115	-0.0215	0.895977
<i>Gtf2i</i>	chr5:134237833-134314760	48.0785	47.4713	-0.0183	0.638015
<i>Eij4h</i>	chr5:134619879-134639348	105.6326	104.0690	-0.0215	0.460124
<i>Cldn4</i>	chr5:134945125-134946934	1.0210	1.0651	0.0610	0.946707
<i>Polr2j</i>	chr5:136116630-136122947	45.3229	44.5267	-0.0256	0.906772
<i>Taf6</i>	chr5:138178616-138187451	15.5089	15.3321	-0.0165	0.871079
<i>Gm10874</i>	chr5:138363718-138388287	0.4182	0.4032	-0.0524	0.880085
<i>Gm24082</i>	chr5:138606698-138606781	38.7114	38.2620	-0.0168	0.944612
<i>Gm15672</i>	chr5:139147575-139150693	4.6771	4.6095	-0.0210	0.930762
<i>NA</i>	chr5:139378219-139379259	1.0398	1.0453	0.0076	0.984580
<i>Eij3b</i>	chr5:140419304-140443358	44.5403	44.1206	-0.0137	0.905088
<i>Foxk1</i>	chr5:142401496-142462014	16.7117	16.5458	-0.0144	0.935945
<i>Actb</i>	chr5:142903114-142906754	2847.2556	2798.3546	-0.0250	0.758538
<i>E130309D02Rik</i>	chr5:143301194-143315360	6.2699	6.1500	-0.0279	0.854845
<i>Eij2ak1</i>	chr5:143817787-143904256	12.0542	11.8894	-0.0199	0.758602
<i>Smurf1</i>	chr5:144876494-144965847	11.8961	11.8095	-0.0105	0.937495
<i>Gm25091</i>	chr5:146834833-146834904	14.5751	14.3853	-0.0189	0.934139
<i>Mtif3</i>	chr5:146951572-146963800	18.1328	17.8427	-0.0233	0.597664
<i>Pan3</i>	chr5:147430160-147548502	38.0440	37.6657	-0.0144	0.804646
<i>Pomp</i>	chr5:147860627-147875778	85.6716	84.0350	-0.0278	0.865567
<i>Ccdc132</i>	chr6:3498392-3603531	8.5610	8.4299	-0.0223	0.832457
<i>Gm26809</i>	chr6:18844219-18847360	1.0692	1.0420	-0.0371	0.852795
<i>Ahcyl2</i>	chr6:29768010-29912310	6.3550	6.2881	-0.0153	0.705781
<i>Akr1b10</i>	chr6:34384217-34396950	8.2511	8.1543	-0.0170	0.832258
<i>Trbv13-3</i>	chr6:41130146-41130585	85.5514	84.6772	-0.0148	0.952001
<i>Trbv23</i>	chr6:41216072-41216526	5.4515	5.4107	-0.0109	0.956331
<i>Trbc1</i>	chr6:41538217-41539347	250.8706	247.6525	-0.0186	0.826962
<i>Trbj2-6</i>	chr6:41543597-41543645	97.1372	94.9697	-0.0326	0.882097
<i>Zyx</i>	chr6:42349827-42360146	30.9411	30.4208	-0.0245	0.916948
<i>Tpk1</i>	chr6:43345000-43666278	1.8670	1.8648	-0.0017	0.993098
<i>Zfp398</i>	chr6:47835660-47868257	8.0946	7.9708	-0.0222	0.791905
<i>Tmem150a</i>	chr6:72355446-72359762	3.8011	3.7363	-0.0248	0.911256
<i>Suclg1</i>	chr6:73248381-73276911	12.8385	12.7158	-0.0139	0.906939
<i>Smyd5</i>	chr6:85431988-85446435	10.6754	10.4854	-0.0259	0.825672
<i>Tprkb</i>	chr6:85915737-85930284	11.8996	11.6930	-0.0253	0.811906
<i>Fam136a</i>	chr6:86365682-86370057	13.4518	13.3074	-0.0156	0.933880
<i>Gm15519</i>	chr6:112563641-112565207	0.8235	0.8208	-0.0047	0.990435
<i>Setd5</i>	chr6:113077364-113153435	16.4933	16.3332	-0.0141	0.922711
<i>D6Wsu163e</i>	chr6:126939965-126975704	10.9813	10.7948	-0.0247	0.682288
<i>Parp11</i>	chr6:127446839-127494241	14.9009	14.7153	-0.0181	0.845131
<i>Klra7</i>	chr6:130218604-130233322	2.8051	2.7861	-0.0098	0.981124
<i>Lrp6</i>	chr6:134446475-134566965	14.4047	14.2410	-0.0165	0.857931
<i>3010003L21Rik</i>	chr6:148944866-148947129	3.1683	3.1140	-0.0249	0.840590
<i>Leng1</i>	chr7:3660097-3665840	13.1615	13.0601	-0.0112	0.941275
<i>Mboat7</i>	chr7:3677789-3693523	6.1634	6.1080	-0.0130	0.915680
<i>Zfp580</i>	chr7:5051531-5053722	1.4199	1.4163	-0.0036	0.990152
<i>Zfp28</i>	chr7:6383317-6396633	1.6831	1.6493	-0.0292	0.780548
<i>Cicn4-2</i>	chr7:7282315-7299511	28.8345	28.5126	-0.0162	0.848418
<i>Zfp551</i>	chr7:12415152-12422751	3.2692	3.2402	-0.0129	0.854532
<i>Mzf1</i>	chr7:13042302-13054764	0.4705	0.4625	-0.0249	0.835593
<i>Zc3h4</i>	chr7:16401195-16437694	18.5657	18.3706	-0.0152	0.918481
<i>Gm10676</i>	chr7:18989553-18992774	3.3341	3.2669	-0.0293	0.904051
<i>Opa3</i>	chr7:19228333-19256543	7.6114	7.5235	-0.0168	0.879812
<i>Zfp180</i>	chr7:24081923-24107698	17.3021	17.1340	-0.0141	0.860665
<i>Zfp108</i>	chr7:24257643-24261914	0.4749	0.4748	-0.0002	0.999769
<i>Zfp574</i>	chr7:25077204-25083492	6.8682	6.8136	-0.0115	0.917669
<i>Exosc5</i>	chr7:25659152-25668031	31.6501	31.2081	-0.0203	0.786483
<i>Adck4</i>	chr7:27233022-27262252	4.9473	4.8896	-0.0169	0.909683

<i>C030039L03Rik</i>	chr7:27689339-27706484	0.7885	0.7846	-0.0072	0.978082
<i>Nfkbb1</i>	chr7:28758250-28767512	8.7226	8.5596	-0.0272	0.863885
<i>Rasgrp4</i>	chr7:29134853-29153961	3.7039	3.6452	-0.0230	0.845331
<i>Gm10169</i>	chr7:29965099-29965640	1.7039	1.6498	-0.0466	0.899631
<i>Alkbh6</i>	chr7:30308716-30314304	6.1452	6.0782	-0.0158	0.846375
<i>Syne4</i>	chr7:30314806-30319046	0.3302	0.3303	0.0003	0.998425
<i>Kmt2b</i>	chr7:30568857-30588726	8.5356	8.4005	-0.0230	0.895279
<i>Gpatch1</i>	chr7:35276535-35318440	7.4795	7.4150	-0.0125	0.928039
<i>Cep89</i>	chr7:35397034-35438689	1.5038	1.4738	-0.0290	0.898914
<i>Zfp715</i>	chr7:43296196-43313294	14.2419	14.0872	-0.0158	0.855072
<i>Nup62</i>	chr7:44816087-44803809	14.0751	13.9328	-0.0147	0.869571
<i>Irf3</i>	chr7:44997647-45002848	50.3708	49.7897	-0.0167	0.686171
<i>Dhdh</i>	chr7:45472955-45488805	0.4609	0.4513	-0.0301	0.944641
<i>E030018B13Rik</i>	chr7:63916856-63920539	6.1425	6.0906	-0.0122	0.962829
<i>Tarsl2</i>	chr7:65644897-65692091	3.2388	3.1721	-0.0300	0.760889
<i>Vimp</i>	chr7:66079648-66089412	28.4260	28.0777	-0.0178	0.834899
<i>Lrrc28</i>	chr7:67513410-67645236	3.8336	3.7846	-0.0186	0.906773
<i>Abhd2</i>	chr7:79273200-79365508	27.9114	27.5875	-0.0168	0.857937
<i>Furin</i>	chr7:80388584-80405436	3.9723	3.9241	-0.0176	0.934721
<i>Tmem126a</i>	chr7:90450699-90457229	32.4437	31.8934	-0.0247	0.769660
<i>Ccdc90b</i>	chr7:92561148-92582294	5.4095	5.3668	-0.0114	0.969728
<i>Fchs2</i>	chr7:101108774-101284405	11.6046	11.4920	-0.0141	0.913450
<i>Trim5</i>	chr7:104263385-104288094	17.6750	17.3477	-0.0270	0.900049
<i>Ilk</i>	chr7:105736591-105742925	42.1987	41.5106	-0.0237	0.618188
<i>493340618Rik</i>	chr7:114315478-114415161	3.0505	2.9860	-0.0308	0.817121
<i>Ccp110</i>	chr7:118712551-118737024	2.9918	2.9546	-0.0180	0.892709
<i>Gprc5b</i>	chr7:118972039-118995211	1.1215	1.1176	-0.0051	0.985635
<i>9030407P20Rik</i>	chr7:120673438-120677560	1.8547	1.8401	-0.0114	0.912486
<i>Cog7</i>	chr7:121922838-121981711	4.7767	4.7180	-0.0178	0.886114
<i>Nfatc2ip</i>	chr7:126382853-126396737	4.2761	4.2274	-0.0165	0.940440
<i>Slx1b</i>	chr7:126689467-126695784	6.1767	6.1050	-0.0169	0.797303
<i>Cdipt</i>	chr7:126976348-126980499	75.2135	74.2616	-0.0184	0.855449
<i>Zfp688</i>	chr7:127418966-127422068	8.2961	8.1453	-0.0265	0.855444
<i>Mcm2bp</i>	chr7:128696440-128740495	38.6344	38.0198	-0.0231	0.760060
<i>Pstk</i>	chr7:131371140-131387839	12.1831	12.0380	-0.0173	0.801742
<i>Acadsb</i>	chr7:131410600-131446211	6.1346	6.0644	-0.0166	0.914465
<i>Ptpre</i>	chr7:135537823-135686294	8.6504	8.5703	-0.0134	0.882254
<i>Brsk2</i>	chr7:141949750-142004247	0.6098	0.6040	-0.0139	0.973043
<i>Gm23297</i>	chr7:143531393-143531520	12.0081	12.0132	0.0006	0.998710
<i>Nadsyn1</i>	chr7:143795583-143822849	4.6110	4.5650	-0.0144	0.896209
<i>Ppfa1</i>	chr7:144476757-144553729	12.3513	12.1588	-0.0227	0.615562
<i>Zfp358</i>	chr8:3493137-3497208	6.3737	6.3112	-0.0142	0.930781
<i>BC068157</i>	chr8:4209542-4217459	0.1872	0.1805	-0.0525	0.913855
<i>Gm15350</i>	chr8:12828334-12833865	3.4139	3.3276	-0.0369	0.894920
<i>Proz</i>	chr8:13060907-13075006	2.0753	2.0572	-0.0127	0.949081
<i>Ppapdc1b</i>	chr8:25720060-25724887	5.6908	5.6081	-0.0211	0.895220
<i>Ppp2cb</i>	chr8:33599620-33619794	31.9634	31.5682	-0.0179	0.527442
<i>Gm9939</i>	chr8:34965051-34966209	5.7940	5.7420	-0.0130	0.965493
<i>Cnot7</i>	chr8:40492539-40515847	16.5265	16.2958	-0.0203	0.797546
<i>Cep44</i>	chr8:56531521-56551047	7.6650	7.6048	-0.0114	0.926060
<i>Il12rb1</i>	chr8:70808448-70821424	6.2957	6.2216	-0.0171	0.931645
<i>Pgls</i>	chr8:71592175-71601092	12.6569	12.4246	-0.0267	0.870881
<i>Ap1m1</i>	chr8:72240017-72257385	26.4932	26.0701	-0.0232	0.869501
<i>Med26</i>	chr8:72494557-72548310	6.7106	6.6116	-0.0215	0.822949
<i>Nr3c2</i>	chr8:76899441-77245012	0.1497	0.1516	0.0179	0.974168
<i>Otud4</i>	chr8:79639617-79677724	51.3751	50.5060	-0.0246	0.726433
<i>1700067K01Rik</i>	chr8:84001501-84004770	0.7402	0.7422	0.0039	0.987286
<i>Gm10643</i>	chr8:84063560-84065137	6.0887	5.9983	-0.0216	0.878422
<i>Vps35</i>	chr8:85260396-85299513	44.4650	43.8350	-0.0206	0.810738
<i>Snx20</i>	chr8:88626827-88636128	23.0250	22.7343	-0.0183	0.882532
<i>Cyld</i>	chr8:88697027-88751945	43.2571	42.5638	-0.0233	0.684901
<i>Chd9</i>	chr8:90828834-91054508	10.7642	10.6417	-0.0165	0.687197
<i>Rspry1</i>	chr8:94601954-94660275	14.6317	14.4605	-0.0170	0.740997
<i>Coq9</i>	chr8:94838320-94854895	12.0307	11.8376	-0.0233	0.772004
<i>Polr2c</i>	chr8:94857449-94864242	9.0427	8.9491	-0.0150	0.925578
<i>NA</i>	chr8:95323013-95325263	4.0494	3.9642	-0.0307	0.893994
<i>Mmp15</i>	chr8:95352267-95374293	0.6490	0.6348	-0.0319	0.933680
<i>Nutf2</i>	chr8:105860633-105880402	1.5428	1.5178	-0.0236	0.814540
<i>Slc12a4</i>	chr8:105943589-105966115	4.9964	4.9335	-0.0183	0.885576
<i>Gm16209</i>	chr8:107037479-107038106	1.6855	1.6347	-0.0441	0.878478
<i>Gm26816</i>	chr8:110863228-110940314	5.4222	5.3300	-0.0248	0.811409

<i>Ldhd</i>	chr8:111623784-111630374	2.1940	2.1652	-0.0190	0.917521
<i>Adat1</i>	chr8:111966907-111992302	3.1576	3.1104	-0.0218	0.875296
<i>Gm20204</i>	chr8:117210777-117215997	2.0765	2.0705	-0.0042	0.982422
<i>Banp</i>	chr8:121949749-122029258	7.4946	7.4398	-0.0106	0.948892
<i>Cdk10</i>	chr8:123224840-123232250	12.5675	12.3035	-0.0306	0.822928
<i>Rab4a</i>	chr8:123805984-123835287	6.7895	6.7277	-0.0132	0.934709
<i>Z810455O05Rik</i>	chr8:123838552-123840785	3.4043	3.3883	-0.0068	0.975837
<i>Taf5l</i>	chr8:123996317-124021309	23.9394	23.5446	-0.0240	0.650628
<i>Rbm34</i>	chr8:126947174-126971079	13.4050	13.1738	-0.0251	0.847707
<i>A230050P20Rik</i>	chr9:20868641-20874307	19.7202	19.3737	-0.0256	0.825813
<i>Icam4</i>	chr9:21029372-21030531	0.8185	0.8094	-0.0161	0.969259
<i>Keap1</i>	chr9:21229729-21239332	19.5600	19.2307	-0.0245	0.660660
<i>Gm16853</i>	chr9:21405241-21411720	1.6190	1.6134	-0.0050	0.988595
<i>Ncapd3</i>	chr9:27030174-27095311	36.9645	36.4861	-0.0188	0.824227
<i>Jam3</i>	chr9:27097384-27155421	0.7654	0.7603	-0.0096	0.973371
<i>Gm26787</i>	chr9:36767886-36782670	4.6406	4.5585	-0.0257	0.911509
<i>Acat1</i>	chr9:53580521-53610382	24.5030	24.2736	-0.0136	0.881496
<i>Wdr61</i>	chr9:54714734-54734519	11.9734	11.8765	-0.0117	0.912122
<i>Snupn</i>	chr9:56950877-56983206	8.6680	8.4994	-0.0283	0.832829
<i>Neil1</i>	chr9:57143255-57147034	12.6864	12.4427	-0.0280	0.867683
<i>Gm17231</i>	chr9:57777864-57834295	3.5610	3.5118	-0.0201	0.929561
<i>Anp32a</i>	chr9:62341292-62378812	59.5487	58.5763	-0.0238	0.889699
<i>Gm10653</i>	chr9:62841476-62868000	1.2695	1.2638	-0.0065	0.980658
<i>Ice2</i>	chr9:69397905-69433122	9.8599	9.7536	-0.0156	0.869631
<i>Rnf111</i>	chr9:70425428-70503725	21.6035	21.2638	-0.0229	0.741292
<i>Tmem30a</i>	chr9:79768942-79793507	34.8385	34.4400	-0.0166	0.795097
<i>Dopey1</i>	chr9:86485406-86555806	27.5099	27.0588	-0.0239	0.786596
<i>NA</i>	chr9:86546681-86546795	9.8622	9.6448	-0.0322	0.902407
<i>Plod2</i>	chr9:92542222-92608428	1.4498	1.4246	-0.0253	0.895062
<i>Z930579K19Rik</i>	chr9:98562959-98563611	1.7525	1.7164	-0.0300	0.906699
<i>Nck1</i>	chr9:100492292-100546053	15.5978	15.3589	-0.0223	0.543535
<i>Aste1</i>	chr9:105395391-105405758	7.9320	7.8486	-0.0153	0.822280
<i>Rrp9</i>	chr9:106475962-106485424	22.6058	22.2108	-0.0254	0.774159
<i>Cyb561d2</i>	chr9:107539010-107541865	11.2090	11.0664	-0.0185	0.879682
<i>Nprl2</i>	chr9:107542208-107545704	27.0894	26.6406	-0.0241	0.772522
<i>Mst1</i>	chr9:108080435-108085027	5.8094	5.6988	-0.0277	0.903266
<i>Tdgf1</i>	chr9:110939609-110946158	1.3695	1.3513	-0.0193	0.935917
<i>Z930520O04Rik</i>	chr9:114368302-114377229	0.6968	0.6845	-0.0257	0.913683
<i>Ebp</i>	chrX:8185328-8193512	18.7042	18.5242	-0.0138	0.861834
<i>Usp11</i>	chrX:20703905-20720539	16.3244	16.0742	-0.0223	0.754397
<i>Rnf113a1</i>	chrX:37191244-37192462	6.1958	6.1514	-0.0104	0.916140
<i>Kis2</i>	chrX:52742562-52744960	1.9306	1.9239	-0.0050	0.977254
<i>Cx1a</i>	chrX:53642487-53643763	0.7585	0.7608	0.0044	0.993157
<i>Arhgap4</i>	chrX:73891441-73921870	70.2178	69.1195	-0.0227	0.631441
<i>Pdk3</i>	chrX:93764606-93832201	12.5765	12.3824	-0.0224	0.732746
<i>Rpl36a</i>	chrX:134585653-134588062	7.8149	7.6796	-0.0252	0.803922
<i>Armcx6</i>	chrX:134748460-134751417	0.3313	0.3297	-0.0069	0.983587
<i>Gprasp1</i>	chrX:135742732-135803474	7.5174	7.4287	-0.0171	0.861744
<i>Acsf4</i>	chrX:142317992-142390535	18.9511	18.6286	-0.0248	0.758421
<i>Gm15066</i>	chrX:144285725-144288333	0.9727	0.9645	-0.0123	0.955689
<i>Gm15163</i>	chrX:157015330-157120545	0.5196	0.5026	-0.0478	0.896838
<i>A830080D01Rik</i>	chrX:159526687-159593081	7.9164	7.8536	-0.0115	0.935350
<i>Ctps2</i>	chrX:162901237-163032508	29.1706	28.8753	-0.0147	0.850166
<i>Ccdc152</i>	chr15:3280626-3303526	1.0344	1.0344	0.0000	0.999921
<i>Oxct1</i>	chr15:4026382-4155344	43.5495	42.8604	-0.0230	0.800315
<i>Hrsp12</i>	chr15:34484020-34495255	4.5657	4.5386	-0.0086	0.959151
<i>Gm20712</i>	chr15:58780460-58781951	0.4964	0.4877	-0.0255	0.943857
<i>Mtss1</i>	chr15:58941243-59082026	8.6639	8.5364	-0.0214	0.862803
<i>Efr3a</i>	chr15:65787033-65873816	36.4912	36.0911	-0.0159	0.845586
<i>Them6</i>	chr15:74721233-74724373	11.8359	11.7387	-0.0119	0.929334
<i>Spatc1</i>	chr15:76268088-76292572	0.6200	0.6062	-0.0324	0.862477
<i>Gm22107</i>	chr15:77840656-77840756	30.2556	30.0615	-0.0093	0.948982
<i>Eif3d</i>	chr15:77958997-77970824	106.9514	105.3821	-0.0213	0.782669
<i>Tomm22</i>	chr15:79670860-79672862	75.4690	74.8644	-0.0116	0.926386
<i>Gm16576</i>	chr15:79742697-79757394	1.5738	1.5377	-0.0335	0.812549
<i>Snord83b</i>	chr15:80078497-80078591	22.9387	22.7304	-0.0132	0.973586
<i>Zc3h7b</i>	chr15:81744847-81796269	6.8712	6.7694	-0.0215	0.877289
<i>Srebfp2</i>	chr15:82147265-82205376	18.8107	18.5396	-0.0209	0.829449
<i>Nup50</i>	chr15:84923427-84942955	25.5242	25.1891	-0.0191	0.689468
<i>Pus7l</i>	chr15:94522687-94543547	9.3277	9.2429	-0.0132	0.849145
<i>Pced1b</i>	chr15:97247106-97385689	34.2589	33.8598	-0.0169	0.871798

<i>Spats2</i>	chr15:99126577-99213206	0.8841	0.8643	-0.0328	0.916679
<i>Gm17058</i>	chr15:99765990-99782332	0.9772	0.9424	-0.0524	0.875733
<i>Copz1</i>	chr15:103272910-103299862	31.6531	31.1525	-0.0230	0.792425
<i>Abhd6</i>	chr14:8002901-8056555	2.1614	2.1196	-0.0281	0.903139
<i>3830406C13Rik</i>	chr14:12284208-12303231	11.4298	11.2491	-0.0230	0.803049
<i>Gm26772</i>	chr14:25548389-25554369	0.3273	0.3174	-0.0445	0.895149
<i>SImap</i>	chr14:26413167-26534931	13.1786	12.9820	-0.0217	0.813599
<i>Actr8</i>	chr14:29978336-29993221	28.7853	28.4299	-0.0179	0.747769
<i>Mir3076</i>	chr14:30572148-30572208	25.7405	25.4051	-0.0189	0.939538
<i>Rft1</i>	chr14:30654359-30691317	5.4021	5.3507	-0.0138	0.928276
<i>Timm23</i>	chr14:32180161-32201898	6.8453	6.6863	-0.0339	0.850775
<i>Gm17210</i>	chr14:32292923-32294974	3.4461	3.3658	-0.0340	0.878963
<i>Bmpr1a</i>	chr14:34410733-34503341	0.1906	0.1882	-0.0178	0.943807
<i>Cdkn3</i>	chr14:46760540-46771525	2.4727	2.4083	-0.0381	0.853129
<i>Gm10101</i>	chr14:46829108-46832027	3.2668	3.2361	-0.0137	0.931398
<i>Sall2</i>	chr14:52311171-52328762	2.6877	2.6404	-0.0256	0.781933
<i>Traj42</i>	chr14:54175772-54175836	18.2671	18.0991	-0.0133	0.963051
<i>Traj12</i>	chr14:54206552-54206610	137.2376	136.2242	-0.0107	0.932251
<i>Gm15932</i>	chr14:55567218-55575991	14.3916	14.1667	-0.0227	0.897038
<i>Tinf2</i>	chr14:55679082-55681817	27.5200	27.0533	-0.0247	0.750606
<i>Ska3</i>	chr14:57806560-57826163	1.7112	1.6993	-0.0100	0.982168
<i>Cdadc1</i>	chr14:59560895-59597836	7.8005	7.6800	-0.0225	0.893179
<i>Ctsb</i>	chr14:63122461-63145919	23.6656	23.3063	-0.0221	0.742534
<i>Bin3</i>	chr14:70100144-70138191	25.7332	25.4834	-0.0141	0.905384
<i>Fam160b2</i>	chr14:70583295-70599835	5.2321	5.1696	-0.0174	0.886843
<i>Tpt1</i>	chr14:75845092-75848525	25.2241	25.1221	-0.0058	0.983655
<i>Rnf219</i>	chr14:104477533-104522666	9.2889	9.1424	-0.0229	0.719936
<i>Gm26773</i>	chr14:118107830-118117100	3.0680	3.0395	-0.0135	0.880025
<i>Synj2</i>	chr17:5941279-6044290	3.3827	3.3451	-0.0161	0.831801
<i>Gm5812</i>	chr17:6121207-6122164	1.4879	1.4875	-0.0004	0.999158
<i>Rsph3b</i>	chr17:6904715-6948356	0.7788	0.7607	-0.0341	0.885976
<i>Phf10</i>	chr17:14945008-14961273	13.6154	13.4652	-0.0160	0.846395
<i>Zfp820</i>	chr17:21816875-21845759	0.2195	0.2146	-0.0329	0.921483
<i>Zfp943</i>	chr17:21962551-22071168	13.5167	13.3089	-0.0224	0.834871
<i>Ccnf</i>	chr17:24223231-24251409	1.9013	1.8567	-0.0342	0.917895
<i>Nthl1</i>	chr17:24632681-24638838	2.4321	2.3808	-0.0308	0.902822
<i>Arhgdig</i>	chr17:26196225-26207786	0.8567	0.8572	0.0009	0.997606
<i>Phf1</i>	chr17:26933126-26937890	29.7667	29.4407	-0.0159	0.864761
<i>Abcg1</i>	chr17:31057697-31115777	39.5580	39.0520	-0.0186	0.853773
<i>Gm26693</i>	chr17:32810143-32821697	5.7092	5.6498	-0.0151	0.922988
<i>Zfp101</i>	chr17:33360506-33394641	5.4108	5.3363	-0.0200	0.857491
<i>March2</i>	chr17:33685691-33718670	12.2404	12.1125	-0.0152	0.829625
<i>Rab11b</i>	chr17:33742483-33760530	9.8863	9.7543	-0.0194	0.701306
<i>Pfdn6</i>	chr17:33938820-33940343	29.5408	29.1917	-0.0172	0.917672
<i>Psmb9</i>	chr17:34181987-34187764	46.2178	45.7386	-0.0150	0.827415
<i>Gm20496</i>	chr17:34199315-34205449	187.5178	184.0032	-0.0273	0.805823
<i>Stk19</i>	chr17:34823992-34836945	3.1249	3.0834	-0.0193	0.892334
<i>Gm20547</i>	chr17:34856411-34882042	0.4380	0.4354	-0.0085	0.972923
<i>Ly6g5b</i>	chr17:35113947-35115428	1.6428	1.6496	0.0059	0.983289
<i>Gm17705</i>	chr17:35165118-35167186	1.1407	1.1277	-0.0166	0.958044
<i>Mdc1</i>	chr17:35841514-35859670	10.6162	10.4915	-0.0170	0.914083
<i>Nrm</i>	chr17:35861317-35865402	15.6149	15.3463	-0.0250	0.748032
<i>Mir877</i>	chr17:35960729-35960814	8.7153	8.7790	0.0105	0.985134
<i>Tmem63b</i>	chr17:45660170-45686905	3.1959	3.1691	-0.0121	0.896133
<i>Ccdc94</i>	chr17:55959186-55967949	12.1878	11.9656	-0.0265	0.801473
<i>Dennd1c</i>	chr17:57066055-57078510	53.1367	52.2430	-0.0245	0.821806
<i>Emilin2</i>	chr17:71252175-71310965	0.2378	0.2305	-0.0447	0.952279
<i>Memo1</i>	chr17:74200705-74294883	18.1692	17.9706	-0.0159	0.874596
<i>Gm10093</i>	chr17:78491564-78493541	0.7532	0.7491	-0.0078	0.977576
<i>Heatr5b</i>	chr17:78752905-78835381	10.7211	10.5937	-0.0173	0.835709
<i>Gm6548</i>	chr17:78850791-78851956	14.6021	14.4336	-0.0167	0.898012
<i>Atl2</i>	chr17:79848391-79896123	10.0277	9.8513	-0.0256	0.815546
<i>Cdkl4</i>	chr17:80523549-80563834	1.9372	1.9092	-0.0210	0.948701
<i>C430042M11Rik</i>	chr17:83851674-83854393	1.8772	1.8589	-0.0141	0.947307
<i>Gm20695</i>	chr16:3884647-3919517	25.3900	25.0535	-0.0193	0.752560
<i>Litaf</i>	chr16:10959274-11066157	5.0601	4.9816	-0.0226	0.877112
<i>Parn</i>	chr16:13537963-13668170	20.8527	20.5821	-0.0188	0.821805
<i>Fopnl</i>	chr16:14299243-14317375	27.7219	27.4955	-0.0118	0.928694
<i>Gm15648</i>	chr16:17152629-17153704	20.8695	20.5021	-0.0256	0.884451
<i>Gm26635</i>	chr16:17254959-17260326	1.2835	1.2509	-0.0372	0.906641
<i>Car15</i>	chr16:17835275-17838364	5.2632	5.2310	-0.0089	0.961208

Gm24572	chr16:18284549-18284637	15.2056	15.2387	0.0031	0.992939
Gnb1l	chr16:18498767-18566679	1.9636	1.9326	-0.0230	0.899028
Klh6	chr16:19946498-19983037	160.8088	158.2236	-0.0234	0.467457
Igf2bp2	chr16:22059008-22163299	0.6448	0.6352	-0.0217	0.921739
Bcl6	chr16:23965051-23988852	2.9399	2.9072	-0.0161	0.909176
Pigx	chr16:32084419-32099738	22.0942	21.7881	-0.0201	0.822724
Fyttd1	chr16:32877499-32908963	11.6896	11.5024	-0.0233	0.812226
Gm6611	chr16:32923217-32924489	6.8823	6.7681	-0.0241	0.884051
Gm26838	chr16:35805946-35808946	1.1261	1.1295	0.0043	0.994859
Hcls1	chr16:36934982-36963212	89.2551	88.3196	-0.0152	0.872343
Polq	chr16:37011785-37095417	2.1386	2.1028	-0.0243	0.874251
Naa50	chr16:44139829-44163366	12.9256	12.8050	-0.0135	0.875951
BC027231	chr16:44724300-44737284	8.5284	8.3827	-0.0249	0.742917
Paxbp1	chr16:91014036-91044543	33.1963	32.7236	-0.0207	0.781067
A930006K02Rik	chr16:91465103-91470121	8.5851	8.4325	-0.0259	0.887998
Ppp1ca	chr19:4192157-4195419	324.5769	320.4222	-0.0186	0.869926
Rce1	chr19:4622550-4625617	19.4319	19.1575	-0.0205	0.863380
Gm21992	chr19:4742912-4811612	19.8055	19.5839	-0.0162	0.702762
Sart1	chr19:5377522-5388703	32.1026	31.5439	-0.0253	0.807655
Tsga10ip	chr19:5390048-5394401	3.6096	3.5385	-0.0287	0.927514
Zfp1	chr19:6076486-6084944	11.5796	11.3906	-0.0237	0.810068
Gm14966	chr19:6355521-6363759	8.8909	8.7947	-0.0157	0.863460
Prdx5	chr19:6906696-6910106	23.5762	23.1820	-0.0243	0.838777
Stip1	chr19:7020695-7040026	63.2528	62.3643	-0.0204	0.864639
Mark2	chr19:7275395-7341860	16.3647	16.1265	-0.0211	0.887841
A1846148	chr19:7356463-7383026	8.3225	8.1780	-0.0253	0.709747
Ptgr2	chr19:10937159-10942511	0.6261	0.6167	-0.0220	0.942983
Gm6563	chr19:23675843-23676712	3.5363	3.4607	-0.0312	0.922171
Fam122a	chr19:24476501-24477356	5.8496	5.7859	-0.0158	0.955282
Gm24252	chr19:25166084-25166216	7.1404	7.0659	-0.0151	0.941505
Rnls	chr19:33137746-33392295	1.6603	1.6187	-0.0366	0.907242
A1606181	chr19:41593362-41596158	4.0320	3.9880	-0.0158	0.944066
Pprc1	chr19:46044885-46072915	7.9162	7.8022	-0.0209	0.917280
Nolc1	chr19:46075862-46085528	32.3892	32.0294	-0.0161	0.849763
Acs15	chr19:55253368-55296627	70.3630	69.5758	-0.0162	0.842068
Nanos1	chr19:60755986-60759913	6.0354	5.9332	-0.0246	0.841568
Sfxn4	chr19:60837276-60861479	2.1850	2.1570	-0.0186	0.903029
Plekhb2	chr1:34849975-34879580	6.7285	6.6564	-0.0155	0.887348
Neurl3	chr1:36264601-36273425	57.1483	56.5257	-0.0158	0.861415
Kansl3	chr1:36335729-36369181	18.4652	18.1876	-0.0219	0.771016
Gm18828	chr1:36764862-36765874	4.2251	4.1265	-0.0341	0.893503
Coa5	chr1:37417083-37430103	28.1357	27.8006	-0.0173	0.791941
Txndc9	chr1:37983866-37997346	16.2244	16.0337	-0.0171	0.789618
Nabp1	chr1:51469497-51478399	44.6575	43.9624	-0.0226	0.837807
Tmem194b	chr1:52630704-52651919	20.1515	19.8542	-0.0214	0.871382
Nif3l1	chr1:58445150-58481816	8.8606	8.7417	-0.0195	0.792525
Carf	chr1:60098246-60151032	3.3083	3.2743	-0.0149	0.870761
Gm26457	chr1:63178676-63178754	28.6074	28.2382	-0.0187	0.945531
Slc23a3	chr1:75125543-75133890	0.5041	0.5114	0.0209	0.956244
Mrpl44	chr1:79776017-79781445	19.5146	19.1603	-0.0264	0.726349
A530040E14Rik	chr1:85105945-85114035	1.8186	1.7900	-0.0229	0.954041
Armc9	chr1:86154779-86278284	1.4455	1.4198	-0.0259	0.869603
Sned1	chr1:93235840-93301065	0.8444	0.8331	-0.0193	0.866912
Sept2	chr1:93478963-93510260	35.0230	34.4796	-0.0226	0.634199
Vps4b	chr1:106764070-106796728	24.0353	23.7463	-0.0175	0.639140
Clasp1	chr1:118389057-118609432	10.3487	10.1731	-0.0247	0.738478
PlekhA6	chr1:133246096-133303435	1.1558	1.1494	-0.0081	0.974463
Lad1	chr1:135818597-135833341	1.8653	1.8488	-0.0129	0.953866
Glrx2	chr1:143739028-143749676	5.5102	5.4113	-0.0261	0.666530
Uchl5	chr1:143777277-143807466	15.6639	15.5051	-0.0147	0.790270
Zbtb37	chr1:161008793-161034849	10.1265	10.0092	-0.0168	0.782279
Tnfrsf4	chr1:161395408-161418410	0.6239	0.6231	-0.0017	0.998158
Slc19a2	chr1:164249045-164265385	1.9697	1.9527	-0.0125	0.929724
Pea15a	chr1:172196727-172206804	17.2821	17.1387	-0.0120	0.897142
Opn3	chr1:175662420-175692776	0.5247	0.5261	0.0036	0.989229
BO20018G12Rik	chr1:175977776-175979114	0.8104	0.8051	-0.0093	0.978154
Gm16585	chr1:177786855-17787465	2.9038	2.8679	-0.0179	0.967707
Tfb2m	chr1:179528054-179546267	3.9899	3.9446	-0.0165	0.851550
Adck3	chr1:180165237-180199602	3.1720	3.1127	-0.0272	0.884333
A430105J06Rik	chr1:186749395-186752921	0.7317	0.7294	-0.0045	0.986711
Slc30a1	chr1:191906766-191913247	8.2667	8.1842	-0.0145	0.876476

<i>Svil</i>	chr18:4920539-5119299	10.7594	10.6455	-0.0154	0.844513
<i>Mib1</i>	chr18:10725547-10818704	11.7562	11.5619	-0.0241	0.743703
<i>Gm24959</i>	chr18:20844446-20844592	8.8322	8.8886	0.0092	0.974372
<i>Wdr36</i>	chr18:32837224-32866420	34.3532	33.8406	-0.0217	0.789080
<i>Reep5</i>	chr18:34344888-34373415	12.0522	11.9242	-0.0154	0.828369
<i>Pkd2l2</i>	chr18:34409422-34442789	9.8125	9.6574	-0.0230	0.829479
<i>Pfdn1</i>	chr18:36403678-36454495	25.8326	25.3295	-0.0284	0.887556
<i>Diap1</i>	chr18:37843600-37935476	20.9369	20.6219	-0.0219	0.841231
<i>Lars</i>	chr18:42202349-42262122	35.5691	35.0455	-0.0214	0.799761
<i>Tcof1</i>	chr18:60813754-60848971	25.5394	25.1389	-0.0228	0.857113
<i>Csf1r</i>	chr18:61105571-61132149	2.5815	2.5371	-0.0250	0.730779
<i>Adrb2</i>	chr18:62177816-62179959	16.2981	16.0225	-0.0246	0.752392
<i>Cep192</i>	chr18:67800106-67885168	26.1469	25.7306	-0.0232	0.833422
<i>4930503L19Rik</i>	chr18:70453139-70472480	12.4235	12.2934	-0.0152	0.811215
<i>Haus1</i>	chr18:77757566-77767780	23.0639	22.7830	-0.0177	0.863432
<i>Pard6g</i>	chr18:80046894-80119640	2.1294	2.1065	-0.0156	0.890550
<i>Zadh2</i>	chr18:84088157-84097514	6.9064	6.7798	-0.0267	0.817452
<i>Nmt2</i>	chr2:3284211-3328877	12.4424	12.2584	-0.0215	0.756693
<i>Rpp38</i>	chr2:3328948-3332643	12.5765	12.3479	-0.0265	0.886075
<i>Prkcq</i>	chr2:11172112-11301226	98.3067	97.1829	-0.0166	0.575000
<i>Gm13369</i>	chr2:24993356-24994343	0.8456	0.8325	-0.0225	0.965415
<i>Gm22572</i>	chr2:25208622-25208727	10.8822	10.8224	-0.0080	0.967612
<i>Tprn</i>	chr2:25262617-25269885	5.2004	5.1042	-0.0269	0.851893
<i>Anapc2</i>	chr2:25272477-25285915	12.1384	12.0295	-0.0130	0.902215
<i>Gm13554</i>	chr2:26059009-26060275	6.6744	6.6335	-0.0089	0.983291
<i>Agpat2</i>	chr2:26593056-26604417	6.7723	6.6569	-0.0248	0.700646
<i>Lcn4</i>	chr2:26667673-26671282	108.9058	107.2660	-0.0219	0.873662
<i>Surf2</i>	chr2:26916366-26920183	24.3542	24.0482	-0.0182	0.590888
<i>Stkld1</i>	chr2:26934046-26953496	2.1593	2.1509	-0.0057	0.986551
<i>Tbc1d13</i>	chr2:30133745-30152013	13.7862	13.6298	-0.0165	0.864488
<i>St6galnac4</i>	chr2:32587094-32599698	10.0869	9.9040	-0.0264	0.851054
<i>Cdk9</i>	chr2:32705783-32713076	7.8819	7.7896	-0.0170	0.733771
<i>Zbtb6</i>	chr2:37425499-37443171	17.0687	16.7849	-0.0242	0.852644
<i>Zbtb21</i>	chr2:37432167-37443121	10.1184	9.9382	-0.0259	0.758721
<i>Dennd1a</i>	chr2:37798990-38287390	5.2058	5.1552	-0.0141	0.928187
<i>Gm13556</i>	chr2:38286254-38287291	2.0120	2.0137	0.0012	0.994866
<i>Rpl35</i>	chr2:39001579-39005624	31.7216	31.0578	-0.0305	0.888026
<i>Gm13456</i>	chr2:40555751-40557116	61.3196	60.7738	-0.0129	0.943697
<i>Stam2</i>	chr2:52691663-52742281	6.0887	6.0303	-0.0139	0.618657
<i>Fmnl2</i>	chr2:52857859-53134202	0.8920	0.8820	-0.0163	0.943671
<i>Hat1</i>	chr2:71388957-71441622	14.2665	14.0758	-0.0194	0.849607
<i>Rapgef4os2</i>	chr2:72224687-72232302	7.3013	7.1980	-0.0206	0.850244
<i>Atf2</i>	chr2:73816508-73892639	9.5823	9.4493	-0.0202	0.826522
<i>Itgav</i>	chr2:83724396-83806916	5.6540	5.5917	-0.0160	0.915205
<i>Arfgap2</i>	chr2:91264973-91276931	14.1737	13.9386	-0.0241	0.774987
<i>Gm13771</i>	chr2:91641684-91641922	3.5180	3.5384	0.0083	0.902438
<i>2810002D19Rik</i>	chr2:94406150-94411682	6.9267	6.8257	-0.0212	0.853713
<i>Cstf3</i>	chr2:104590522-104665429	7.6286	7.5559	-0.0138	0.841789
<i>Arhgap11a</i>	chr2:113831491-113848661	2.9245	2.9020	-0.0111	0.948495
<i>Bub1b</i>	chr2:118598210-118641591	4.0966	4.0605	-0.0128	0.970807
<i>Gm14137</i>	chr2:119174508-119177575	0.8184	0.8031	-0.0272	0.915542
<i>Ubr1</i>	chr2:120860268-120970715	19.6149	19.3242	-0.0215	0.765106
<i>Spg11</i>	chr2:122053519-122118386	13.1250	12.9300	-0.0216	0.703598
<i>Gm14029</i>	chr2:129182481-129183947	24.3153	24.0844	-0.0138	0.911445
<i>Stk35</i>	chr2:129800516-129832287	2.8292	2.7982	-0.0159	0.915015
<i>Gm23187</i>	chr2:130277194-130277280	33.8917	33.5475	-0.0147	0.955000
<i>Slc4a11</i>	chr2:130684112-130697519	0.2987	0.2976	-0.0052	0.985808
<i>1700026D11Rik</i>	chr2:132490633-132524057	1.5688	1.5507	-0.0168	0.937620
<i>Rrbp1</i>	chr2:143947394-144011263	9.4281	9.2704	-0.0243	0.855330
<i>Rbbp9</i>	chr2:144542264-144550869	3.1660	3.1411	-0.0114	0.941215
<i>Gzf1</i>	chr2:148681022-148692949	6.9037	6.8045	-0.0209	0.824181
<i>Entpd6</i>	chr2:150749041-150771675	14.9035	14.7416	-0.0158	0.749185
<i>Nol4l</i>	chr2:153407461-153529971	0.3951	0.3869	-0.0304	0.899310
<i>Dnmt3b</i>	chr2:153649449-153687730	2.9904	2.9659	-0.0119	0.950635
<i>Itch</i>	chr2:155133508-155226855	20.6851	20.4555	-0.0161	0.826714
<i>Map1lc3a</i>	chr2:155276296-155278073	1.8394	1.8317	-0.0060	0.986121
<i>Dlgap4</i>	chr2:156613704-156764363	7.0172	6.9157	-0.0210	0.828715
<i>Tti1</i>	chr2:157981802-158028433	14.4810	14.2539	-0.0228	0.659062
<i>Rprd1b</i>	chr2:158028496-158132297	6.1458	6.0347	-0.0263	0.753013
<i>Gm11457</i>	chr2:164754241-164769666	9.4471	9.3606	-0.0133	0.918581
<i>Zfp335os</i>	chr2:164911353-164919953	4.7689	4.7294	-0.0120	0.894241

<i>Elmo2</i>	chr2:165288030-165326479	9.5300	9.3872	-0.0218	0.799795
<i>Stau1</i>	chr2:166947548-166996299	10.6877	10.5838	-0.0141	0.893307
<i>Znfx1</i>	chr2:167035792-167063015	19.5124	19.2261	-0.0213	0.819153
<i>Fam210b</i>	chr2:172345564-172355749	2.5369	2.4915	-0.0260	0.889908
<i>Gnas</i>	chr2:174284319-174346744	28.3502	28.0566	-0.0150	0.813608
<i>Gm20721</i>	chr2:174330318-174346712	202.1896	199.1262	-0.0220	0.703100
<i>Gm14326</i>	chr2:177935992-177957297	0.8912	0.8629	-0.0466	0.869765
<i>Zfp931</i>	chr2:178067694-178078476	4.6635	4.6293	-0.0106	0.946444
<i>Psm7</i>	chr2:180036372-180042433	44.3102	43.7929	-0.0169	0.887009
<i>Col20a1</i>	chr2:180986534-181017540	1.5292	1.5194	-0.0093	0.925760
<i>Uck1</i>	chr2:181569148-181584892	18.6041	18.3185	-0.0223	0.729249
<i>mt-Rnr1</i>	chrM:69-1024	865.2710	860.6942	-0.0077	0.980084
<i>Rps24-ps2</i>	chr3:3791896-3792295	2.3054	2.2372	-0.0433	0.924606
<i>Gm16337</i>	chr3:9757606-9786142	1.7433	1.7445	0.0009	0.996822
<i>Ythdf3</i>	chr3:16183182-16217035	43.5742	43.1304	-0.0148	0.846333
<i>Hps3</i>	chr3:19995944-20035315	13.6427	13.4651	-0.0189	0.763636
<i>Hltf</i>	chr3:20057810-20118490	28.4370	28.1096	-0.0167	0.831888
<i>Prkci</i>	chr3:30995746-31052741	3.2626	3.2251	-0.0167	0.812449
<i>Pik3ca</i>	chr3:32397670-32468486	24.9434	24.6543	-0.0168	0.745798
<i>Sclt1</i>	chr3:41626716-41742514	3.4395	3.4103	-0.0123	0.881832
<i>Setd7</i>	chr3:51515318-51560878	21.5215	21.3230	-0.0134	0.859733
<i>Selt</i>	chr3:58576635-58593133	42.6288	42.2795	-0.0119	0.905727
<i>Rap2b</i>	chr3:61364506-61368703	13.0355	12.8433	-0.0214	0.864148
<i>Gjm1</i>	chr3:67430095-67476529	14.5967	14.3824	-0.0213	0.671843
<i>Arhgef11</i>	chr3:87617558-87738034	5.4503	5.3593	-0.0243	0.777559
<i>Lenep</i>	chr3:89400987-89402793	4.0202	3.9850	-0.0127	0.904846
<i>Ube2q1</i>	chr3:89773608-89783997	38.3391	37.7595	-0.0220	0.694858
<i>Slc27a3</i>	chr3:90385238-90389938	0.4606	0.4586	-0.0060	0.990237
<i>Celf3</i>	chr3:94478830-94492193	0.5646	0.5648	0.0005	0.998811
<i>Rprd2</i>	chr3:95759872-95818953	9.4166	9.3308	-0.0132	0.925512
<i>Mtmt11</i>	chr3:96162003-96171718	3.5047	3.4412	-0.0264	0.677560
<i>Cd101</i>	chr3:100993529-101029556	7.7366	7.6469	-0.0168	0.928600
<i>Nras</i>	chr3:103058338-103067914	48.2995	47.5657	-0.0221	0.743876
<i>Slc16a1</i>	chr3:104638667-104658462	30.6757	30.2247	-0.0214	0.719194
<i>Gm12500</i>	chr3:108085975-108088009	0.8264	0.8209	-0.0097	0.954211
<i>Taf13</i>	chr3:108571697-108583222	4.0790	4.0337	-0.0161	0.927660
<i>Extl2</i>	chr3:116007461-116029016	3.5976	3.5166	-0.0328	0.858900
<i>Rpl34</i>	chr3:130726830-130730398	234.3718	228.6074	-0.0359	0.894335
<i>Aimp1</i>	chr3:132660497-132683879	50.1065	49.3947	-0.0206	0.845329
<i>Snord45c</i>	chr3:153912124-153912204	61.6250	60.0429	-0.0375	0.884560
<i>Zranb2</i>	chr3:157534159-157548390	38.2530	37.8606	-0.0149	0.871856
<i>2610301B20Rik</i>	chr4:10874497-10899425	4.4256	4.3535	-0.0237	0.894402
<i>Gm11831</i>	chr4:11501455-11502839	1.8610	1.8039	-0.0449	0.921064
<i>Tmem64</i>	chr4:15265830-15286753	5.0739	5.0197	-0.0155	0.861048
<i>Osgin2</i>	chr4:15997120-16013888	4.1984	4.1261	-0.0251	0.681892
<i>Mms22l</i>	chr4:24496450-24602950	4.7004	4.6609	-0.0122	0.940050
<i>Gm24371</i>	chr4:32514786-32515053	6.6088	6.4460	-0.0360	0.783532
<i>Ubap1</i>	chr4:41348995-41390525	14.5500	14.2964	-0.0254	0.689837
<i>5830415F09Rik</i>	chr4:46376504-46389437	14.4019	14.2387	-0.0164	0.885681
<i>Tbc1d2</i>	chr4:46604389-46650209	0.1743	0.1726	-0.0142	0.954373
<i>Fam206a</i>	chr4:56802344-56809601	3.6621	3.6276	-0.0136	0.804810
<i>Fkbp15</i>	chr4:62300341-62360548	20.2371	19.9217	-0.0227	0.604806
<i>Aknaos</i>	chr4:63381357-63394018	16.6575	16.4283	-0.0200	0.918873
<i>Klh9</i>	chr4:88718291-88722465	47.8420	47.2721	-0.0173	0.869835
<i>Mrpl37</i>	chr4:107055873-107066868	8.4200	8.3224	-0.0168	0.875297
<i>Gm12743</i>	chr4:108592424-108619849	0.4689	0.4615	-0.0232	0.885277
<i>Btf3l4</i>	chr4:108814294-108833614	2.7328	2.7072	-0.0136	0.897074
<i>Osbpl9</i>	chr4:109061144-109202272	23.8239	23.5190	-0.0186	0.762314
<i>Efcab14</i>	chr4:115737743-11577327	6.7004	6.6170	-0.0181	0.900714
<i>Faah</i>	chr4:115967144-116017926	13.5286	13.2827	-0.0265	0.810831
<i>Pomgnt1</i>	chr4:116123839-116159849	5.2116	5.1589	-0.0147	0.869914
<i>Mast2</i>	chr4:116306761-116464183	1.9987	1.9693	-0.0214	0.842516
<i>Pabpc4</i>	chr4:123262350-123298925	8.4304	8.3562	-0.0128	0.901526
<i>Gm12924</i>	chr4:123435616-123435934	4.3787	4.3702	-0.0028	0.993131
<i>Mycbp</i>	chr4:123904831-123912269	7.7496	7.6685	-0.0152	0.871138
<i>Yrdc</i>	chr4:124850678-124855242	22.5604	22.3046	-0.0165	0.777235
<i>Maneal</i>	chr4:124855238-124862171	2.5216	2.4732	-0.0280	0.846605
<i>Sync</i>	chr4:129287616-129308559	1.9581	1.9426	-0.0115	0.951446
<i>Gm10571</i>	chr4:129855070-129856710	1.2844	1.2849	0.0005	0.998650
<i>Fabp3</i>	chr4:130308594-130315463	1.2114	1.2071	-0.0051	0.984935
<i>Gm17300</i>	chr4:132351771-132353382	539.1790	536.3487	-0.0076	0.979044

<i>Snora73b</i>	chr4:132352321-132352526	1098.8551	1070.8064	-0.0373	0.896624
<i>Gpatch3</i>	chr4:133574744-133584243	6.4801	6.4287	-0.0115	0.935734
<i>Gm16224</i>	chr4:135143420-135144285	3.6489	3.6146	-0.0136	0.966259
<i>Gm27022</i>	chr4:136347846-136349441	4.6240	4.5793	-0.0140	0.889731
<i>Pqlc2</i>	chr4:139294028-139310708	1.1360	1.1140	-0.0282	0.915688
<i>Zbtb17</i>	chr4:141444653-141467930	11.3879	11.2350	-0.0195	0.831868
<i>Gm13204</i>	chr4:148569055-148569876	7.5000	7.4573	-0.0082	0.953620
<i>Aptd1</i>	chr4:149127120-149137629	0.7721	0.7466	-0.0484	0.841915
<i>2610002J02Rik</i>	chr4:155249801-155256687	14.9189	14.7115	-0.0202	0.821986
<i>Tnfrsf18</i>	chr4:156026163-156028895	33.0507	32.6171	-0.0191	0.882001
<i>Perm1</i>	chr4:156215926-156221307	2.0637	2.0386	-0.0176	0.869531
<i>6330403K07Rik</i>	chr11:71031940-71033513	0.8038	0.7839	-0.0361	0.935345
<i>Gm25556</i>	chr11:106186443-106186587	5.0966	4.9699	-0.0363	0.895337
<i>Gm15495</i>	chr7:25442151-25443463	0.6965	0.6818	-0.0307	0.956854
<i>Gm17399</i>	chr9:118150230-118170376	0.9440	0.9176	-0.0408	0.936004
<i>Trav6-4</i>	chr14:53454295-53454782	2.2686	2.1741	-0.0614	0.894014
<i>Gm25541</i>	chr2:27539804-27539930	6.5490	6.3383	-0.0472	0.948175
<i>Gm13783</i>	chr2:91195905-91202778	1.2871	1.2809	-0.0070	0.988787
<i>Gm11722</i>	chr11:107481915-107483107	1.5550	1.5173	-0.0354	0.953042
<i>Naip6</i>	chr13:100281120-100317674	0.1125	0.1119	-0.0074	0.993898
<i>Tbc1d9</i>	chr8:83165351-83272934	0.1403	0.1370	-0.0342	0.949684
<i>2700012I20Rik</i>	chr9:57075215-57076013	5.1518	5.1164	-0.0099	0.968771
<i>Dis3</i>	chr14:99076633-99099770	17.2334	17.0216	-0.0178	0.821811
<i>Tsen34</i>	chr7:3693374-3701023	4.4168	4.3631	-0.0176	0.824667
<i>Bag1</i>	chr4:40936397-40948281	64.9650	64.1800	-0.0175	0.911335
<i>Map7</i>	chr10:20148470-20281589	8.3924	8.3020	-0.0156	0.963146
<i>Slc19a1</i>	chr10:77032240-77061002	4.3839	4.3277	-0.0186	0.870924
<i>Gm17249</i>	chr10:84619331-84622578	3.8370	3.7795	-0.0218	0.865543
<i>Rps15a-ps6</i>	chr11:6172643-6173036	1.8366	1.8157	-0.0165	0.945364
<i>Trappc12</i>	chr12:28690628-28750453	24.5024	24.1560	-0.0205	0.708465
<i>2900026A02Rik</i>	chr5:113086322-113163351	1.5110	1.4884	-0.0218	0.948465
<i>Amz1</i>	chr5:140724126-140761439	0.9942	0.9783	-0.0233	0.870939
<i>Usp47</i>	chr7:112023505-112111386	45.2883	44.6801	-0.0195	0.674802
<i>Ap2a2</i>	chr7:141562179-141633011	21.4555	21.1648	-0.0197	0.756838
<i>Gm15347</i>	chr8:12860357-12877344	3.4710	3.3937	-0.0325	0.939738
<i>Dcun1d2</i>	chr8:13255962-13288126	14.2117	14.0333	-0.0182	0.787906
<i>Ppp1r3b</i>	chr8:35375740-35388124	1.8712	1.8503	-0.0162	0.913359
<i>Gm26521</i>	chr9:20607765-20612485	0.9011	0.8937	-0.0118	0.963223
<i>Gm26377</i>	chr9:78478527-78478635	7897.3224	7798.8455	-0.0181	0.914626
<i>F8</i>	chrX:75172714-75382615	0.1481	0.1466	-0.0153	0.954698
<i>Trappc2</i>	chrX:166440573-166453140	2.0702	2.0348	-0.0249	0.833774
<i>Rad21</i>	chr15:51962604-51991760	48.4973	47.8534	-0.0193	0.832319
<i>Bcl2l2</i>	chr14:54883376-54888234	1.4632	1.4459	-0.0172	0.914781
<i>Pdcd2</i>	chr17:15519207-15527301	25.5628	25.2433	-0.0181	0.845405
<i>Tomm6</i>	chr17:47686645-47688386	14.6739	14.4856	-0.0186	0.933555
<i>B630019A10Rik</i>	chr16:23175287-23224446	9.4222	9.2867	-0.0209	0.777696
<i>Gm10197</i>	chr19:53371565-53371766	9.3218	9.1981	-0.0193	0.939651
<i>Tbc1d8</i>	chr1:39371498-39478747	6.5749	6.4934	-0.0180	0.814218
<i>D230017M19Rik</i>	chr1:72236464-72274869	0.2980	0.2945	-0.0173	0.937386
<i>Kdsr</i>	chr1:106720409-106759742	10.0877	9.9502	-0.0198	0.863783
<i>Zfp236</i>	chr18:82593592-82692883	15.9170	15.7014	-0.0197	0.604753
<i>Gm13568</i>	chr2:26457143-26458316	8.2030	8.0746	-0.0228	0.942349
<i>Odf2</i>	chr2:29889220-29931746	11.2462	11.0965	-0.0193	0.810976
<i>NA</i>	chr2:30237492-30238223	4.2676	4.2169	-0.0172	0.964417
<i>Gm12363</i>	chr4:34842984-34843652	2.3351	2.3146	-0.0127	0.979062
<i>Rnf19b</i>	chr4:129058270-129085886	16.8929	16.6526	-0.0207	0.871148
<i>Gm6189</i>	chr1:80383103-80385188	0.4042	0.3948	-0.0340	0.920908
<i>4930563E22Rik</i>	chr11:72215137-72218450	1.1808	1.1621	-0.0230	0.900752
<i>Tnfaip1</i>	chr11:78522849-78536332	5.7684	5.6889	-0.0200	0.840715
<i>NA</i>	chr11:87443236-87443450	4.8527	4.7769	-0.0227	0.945717
<i>Mafg</i>	chr11:120625116-120633600	3.6704	3.6241	-0.0183	0.857225
<i>Gpn3</i>	chr5:122371875-122382902	16.3133	16.0976	-0.0192	0.858588
<i>Gm13856</i>	chr6:34151928-34174235	2.7648	2.7210	-0.0230	0.935537
<i>Setmar</i>	chr6:108065044-108077122	3.0623	3.0077	-0.0260	0.906082
<i>Prrt3</i>	chr6:113494094-113501818	0.3809	0.3778	-0.0115	0.972534
<i>BC064078</i>	chr6:128992960-129008040	0.8982	0.8853	-0.0209	0.970664
<i>Gm12758</i>	chr7:34234376-34240207	6.2476	6.1683	-0.0184	0.798770
<i>Zscan2</i>	chr7:80860919-80876516	8.6573	8.5410	-0.0195	0.866230
<i>Cd81</i>	chr7:143052738-143067934	1.2434	1.2259	-0.0204	0.960141
<i>Mcph1</i>	chr8:18595130-18803189	4.7857	4.7231	-0.0190	0.846441
<i>Ash2l</i>	chr8:25816190-25847694	18.9029	18.6580	-0.0188	0.797442

Hook3	chr8:26021420-26119224	12.2707	12.1060	-0.0195	0.651447
Ubxn8	chr8:33619585-33641976	12.2730	12.1010	-0.0204	0.801179
Klf2	chr8:72319032-72321656	127.5936	125.7791	-0.0207	0.916806
Cwf19l2	chr9:3404084-3479236	20.5114	20.2302	-0.0199	0.860907
Usp28	chr9:48985384-49042517	36.4618	35.9724	-0.0195	0.894873
Anapc13	chr9:102626295-102634241	31.0886	30.6957	-0.0183	0.944841
Tspan6	chrX:133891067-133898429	0.6819	0.6739	-0.0171	0.974469
Trav2	chr14:52567292-52568051	2.7430	2.6922	-0.0269	0.956608
Lats2	chr14:57642076-57758388	11.4051	11.2511	-0.0196	0.868611
Ptk2b	chr14:66153256-66281052	36.3711	35.8703	-0.0200	0.847314
Ppl	chr16:5086290-5132481	0.2986	0.2948	-0.0184	0.953443
Gng3	chr19:8836928-8839246	2.8951	2.8551	-0.0200	0.903475
Fkbp7	chr2:76663043-76673116	1.4334	1.4165	-0.0172	0.908627
Traf6	chr2:101678428-101701669	10.3583	10.2220	-0.0191	0.811931
Ppa2	chr3:133310109-133378235	11.8816	11.7363	-0.0177	0.794516
Ybey	chr10:76459568-76469114	1.8661	1.8362	-0.0233	0.902496
Abhd17a	chr10:80583648-80590341	29.0108	28.6063	-0.0203	0.914983
Ctsa	chr2:164832872-164841032	45.1330	44.5012	-0.0203	0.757403
Rogdi	chr16:5008729-5013517	1.4420	1.4239	-0.0182	0.965318
Slc25a37	chr14:69241850-69285103	5.9334	5.8569	-0.0187	0.818478
Ppip5k2	chr1:97706047-97770411	13.0357	12.8676	-0.0187	0.793881
Gm25635	chr10:9852018-9852149	2.6234	2.5257	-0.0548	0.943671
Olig3	chr10:19356559-19358606	0.2525	0.2778	0.1377	0.810281
Rps19-ps11	chr10:43373487-43373920	1.3937	1.3062	-0.0936	0.860310
Snord98	chr10:62765575-62765640	10.1890	8.2016	-0.3130	0.192059
Gm16135	chr10:62998778-62999689	1.1721	1.3216	0.1731	0.665050
1700040L02Rik	chr10:68430952-68541896	0.4307	0.4646	0.1094	0.818832
Mir678	chr10:76207325-76207409	4.5509	3.2755	-0.4744	0.417960
2610028H24Rik	chr10:76449080-76461110	0.3599	0.4153	0.2066	0.698087
Gm22721	chr10:80382301-80382384	7.7026	3.3500	-1.2012	0.150652
Pmch	chr10:88091071-88092375	0.6059	0.6352	0.0681	0.900127
Amdhd1	chr10:93523337-93540033	0.3356	0.1663	-1.0130	0.106520
Osbp18	chr10:111164801-111297247	52.7631	49.3597	-0.0962	0.332586
Cyp27b1	chr10:127048249-127053006	0.2464	0.2410	-0.0322	0.951917
Rdh9	chr10:127759786-127792697	0.1032	0.1420	0.4606	0.618660
Slc39a5	chr10:128395933-128401224	0.2833	0.2753	-0.0411	0.924329
Gm25361	chr10:128402757-128402833	7.3969	6.0743	-0.2842	0.697819
Itga7	chr10:128933812-128958277	0.1199	0.1608	0.4240	0.437647
Gm12735	chr11:3193515-3194263	1.3338	0.8412	-0.6650	0.192277
Smtn	chr11:3517522-3540612	0.1366	0.0833	-0.7137	0.248778
Gm24958	chr11:5038210-5038307	3.4035	3.0396	-0.1632	0.727510
Gm11964	chr11:5634138-5634582	1.5468	1.6437	0.0877	0.856376
Gm11975	chr11:6559022-6559503	1.2048	1.3396	0.1529	0.635184
Gm11989	chr11:8383181-8383853	0.7602	1.0046	0.4021	0.243717
1700042O10Rik	chr11:11868122-11885321	0.3813	0.2215	-0.7838	0.184343
Bcl11a	chr11:24078055-24174123	0.0229	0.0418	0.8684	0.177141
Il9r	chr11:32187540-32200279	0.1297	0.0555	-1.2256	0.205365
NA	chr11:33172917-33173368	0.6539	0.4818	-0.4408	0.604555
Gm12192	chr11:49697879-49698366	1.3657	1.5430	0.1761	0.705628
Rpl9-ps3	chr11:53501183-53501762	1.1217	0.5982	-0.9069	0.084232
1700007J10Rik	chr11:59725916-59740154	0.5626	0.4403	-0.3536	0.546147
Rasd1	chr11:59963180-59964944	0.2273	0.3310	0.5425	0.176178
Alox8	chr11:69183931-69197843	0.1188	0.1455	0.2928	0.713086
Rpl23a-ps2	chr11:70879427-70879901	1.3935	1.2711	-0.1326	0.788500
Gm12322	chr11:70909256-70909645	1.6543	1.4666	-0.1737	0.650165
Spns3	chr11:72494918-72550506	0.0907	0.0737	-0.2983	0.596226
Gm12335	chr11:75066435-75066762	1.0869	1.7295	0.6702	0.337525
NA	chr11:77149627-77150525	0.5879	0.5261	-0.1603	0.761577
Slc46a1	chr11:78465696-78472059	0.2248	0.1861	-0.2730	0.707243
D11Bhm181e	chr11:78561318-78561600	1.8147	2.1572	0.2495	0.623406
Gm11196	chr11:78585160-78585555	1.4689	1.5869	0.1114	0.732198
Gm11425	chr11:83027499-83027997	1.2309	1.3538	0.1373	0.654142
Snord7	chr11:83294303-83294400	5.1254	4.5112	-0.1841	0.662390
Gm25427	chr11:86333205-86333308	4.4803	2.8134	-0.6713	0.305480
Gm9378	chr11:87078786-87079257	1.0803	0.4694	-1.2027	0.103986
NA	chr11:87471367-87471581	2.1430	2.9878	0.4795	0.478581
Samd14	chr11:95009878-95026087	0.1084	0.1086	0.0031	0.996246
Gm11522	chr11:95462545-95462721	2.1708	1.5451	-0.4906	0.432147
Gm11592	chr11:97280127-97282897	1.0191	0.9137	-0.1575	0.765297
Gm11614	chr11:97723650-97725711	0.5263	0.4461	-0.2385	0.782922
Gm11633	chr11:97968791-97969235	1.7646	1.1933	-0.5644	0.044784

Rnu2-10	chr11:101658237-101658428	3.9897	2.1164	-0.9146	0.056872
Etv4	chr11:101769741-101785371	0.2177	0.2369	0.1218	0.660461
Arhgap27os1	chr11:103363212-103364651	0.7119	0.4561	-0.6424	0.141905
NA	chr11:106725257-106725450	3.3397	1.3286	-1.3298	0.010281
Gm11712	chr11:107386982-107388971	1.9874	1.1615	-0.7749	0.140682
Gm11674	chr11:111796346-111800876	0.2200	0.1393	-0.6589	0.190531
4732490B19Rik	chr11:113203314-113209669	0.2356	0.2630	0.1585	0.755396
Gm11693	chr11:113678529-113679331	1.3961	1.1028	-0.3402	0.393213
Qrich2	chr11:116441324-116455237	0.2640	0.2765	0.0667	0.915296
Ppp1r27	chr11:120549978-120551132	0.7941	0.5462	-0.5398	0.443547
Dcxr	chr11:120725398-120727281	0.3715	0.4585	0.3034	0.748530
Gm11793	chr11:121106146-121107127	0.6047	0.6525	0.1098	0.516207
Dtnbos	chr12:3752542-3762146	0.4047	0.3871	-0.0642	0.847843
Gm3625	chr12:4592825-4592927	3.7126	3.2124	-0.2088	0.747743
5730507C01Rik	chr12:18514737-18534191	0.3804	0.2364	-0.6860	0.300648
Gm20535	chr12:21252117-21255952	0.6362	0.3197	-0.9927	0.019625
Gm16267	chr12:33111961-33138945	0.5456	0.4266	-0.3549	0.661846
Gm20403	chr12:54986157-54986529	2.3871	1.3306	-0.8432	0.044447
Insm2	chr12:55598916-55602018	0.2623	0.1538	-0.7702	0.046072
Gm3086	chr12:69963472-69969721	0.7642	0.8194	0.1006	0.862158
Trim9	chr12:70244538-70347614	0.0603	0.0445	-0.4373	0.456072
Tomm20l	chr12:7111427-71123222	1.1842	0.8705	-0.4440	0.384381
Scarna3b	chr12:80391612-80391751	4.6784	4.9570	0.0834	0.863791
Spata7	chr12:98628156-98669815	0.1351	0.1224	-0.1430	0.737962
Gm8482	chr12:100863968-100864439	1.0231	0.6201	-0.7223	0.309065
Gm20036	chr12:101913239-101915335	0.5874	0.6197	0.0774	0.915800
Gm17032	chr12:106327367-106330821	1.4404	1.3565	-0.0866	0.883807
Begain	chr12:109032186-109068217	0.1920	0.2029	0.0791	0.818681
Adssl1	chr12:112620044-112641354	0.2239	0.2971	0.4080	0.524825
Ighg1	chr12:113328975-113330523	0.2983	0.0193	-3.9494	0.386518
Ighj4	chr12:113428513-113428567	13.4034	12.3161	-0.1221	0.822071
Ighj3	chr12:113429084-113429132	12.1650	8.5115	-0.5153	0.366406
Ighv5-4	chr12:113597445-113597905	0.6533	0.0001	-12.6734	0.155102
Ighv1-18	chr12:114682673-114683065	0.5790	0.0001	-12.4994	0.296101
Gm25444	chr13:14628618-14628731	4.0749	2.4199	-0.7518	0.266536
Mir466i	chr13:17747472-17747593	4.0511	5.0293	0.3121	0.603030
Gm11307	chr13:22675659-22676969	0.2643	0.1182	-1.1606	0.404162
Gm11344	chr13:24410105-24410440	2.4858	1.4676	-0.7602	0.083069
Gm22358	chr13:24811446-24811568	5.4368	6.0131	0.1453	0.544290
4932702P03Rik	chr13:24905592-24914272	0.0973	0.1013	0.0570	0.932302
Gm11366	chr13:30181715-30182144	1.2733	1.5949	0.3249	0.664185
Cap2	chr13:46501847-46649642	0.1949	0.1704	-0.1933	0.578569
Rnf144b	chr13:47122719-47247991	0.1473	0.1086	-0.4398	0.598430
Mirlet7a-1	chr13:48538178-48538272	5.5012	5.4575	-0.0115	0.973982
Ecm2	chr13:49504809-49532789	0.1419	0.1896	0.4184	0.374234
Ogn	chr13:49608070-49624500	0.2341	0.2456	0.0693	0.910458
Cks2	chr13:51645231-51650660	0.9855	0.9252	-0.0910	0.748131
Dbn1	chr13:55473428-55488111	0.1520	0.1583	0.0590	0.917695
Gkap1	chr13:58233350-58274188	0.4326	0.4578	0.0814	0.811624
Gm10775	chr13:65259538-65260826	0.2056	0.1969	-0.0627	0.934391
Spata9	chr13:75967738-75998968	0.3582	0.3152	-0.1845	0.773165
Mctp1	chr13:76384534-77031810	0.0755	0.0878	0.2176	0.651372
Gm8399	chr13:81064683-81065803	0.4269	0.2926	-0.5450	0.407005
Mef2c	chr13:83504033-83667079	0.0827	0.0945	0.1922	0.671881
Gm22574	chr13:86044988-86045048	10.0409	5.7524	-0.8037	0.334668
Vcan	chr13:89655311-89742509	0.0367	0.0470	0.3547	0.144700
Gm20379	chr13:92306088-92306337	1.6148	1.7051	0.0785	0.909553
Gm26619	chr13:97751111-97760965	0.6492	0.5169	-0.3287	0.589431
Gm10260	chr13:97760129-97760588	1.5174	1.2082	-0.3288	0.589431
2610204G07Rik	chr13:104684930-104694994	0.4884	0.5708	0.2250	0.502326
Gm15327	chr13:111809140-111811039	0.4163	0.3444	-0.2736	0.728599
Rpl31-ps5	chr5:20806089-20806464	0.7387	0.6330	-0.2228	0.810200
Snord93	chr5:23852209-23852280	5.2032	2.3019	-1.1766	0.255255
Gareml	chr5:30105160-30118378	0.1196	0.1888	0.6579	0.134389
Cgref1	chr5:30933145-30945480	0.2767	0.3219	0.2180	0.770481
Gm10059	chr5:33759365-33759536	3.8860	4.0648	0.0649	0.885471
NA	chr5:34395549-34395653	2.5151	1.9542	-0.3641	0.698220
Hgfac	chr5:35041552-35048436	0.3143	0.1921	-0.7105	0.211579
Psap11	chr5:36204020-36206568	0.1195	0.0713	-0.7448	0.510280
Ccdc96	chr5:36484587-36488171	0.1381	0.1532	0.1492	0.699484
Gm25767	chr5:36671657-36671781	5.7557	4.0073	-0.5224	0.242800

Gm5555	chr5:49552256-49553270	0.4992	0.6799	0.4459	0.495028
Chrna9	chr5:65934920-65977326	0.2418	0.1574	-0.6198	0.010497
Usp46os1	chr5:74014215-74029680	0.8316	1.1557	0.4749	0.328296
Pbbp	chr5:90768517-90770060	0.2545	0.3035	0.2538	0.767489
Gm23031	chr5:92302173-92302292	2.4906	2.3329	-0.0944	0.914576
Gm17304	chr5:106609097-106609201	4.0142	7.2358	0.8500	0.317859
Gm24191	chr5:106669998-106670121	6.2338	2.8638	-1.1222	0.017036
Gm15484	chr5:110118021-110118849	0.8008	0.8176	0.0299	0.937949
Gm15788	chr5:110262160-110277267	0.4867	0.6670	0.4546	0.517794
Mn1	chr5:111417361-111457033	0.0707	0.0528	-0.4215	0.355179
Gm6583	chr5:112353800-112356033	0.1632	0.2219	0.4430	0.459436
Crybb3	chr5:113075838-113081584	0.3128	0.0774	-2.0150	0.121131
Fam222a	chr5:114568015-114613220	0.1961	0.1401	-0.4856	0.193888
Gm13827	chr5:115053420-115053846	1.2022	2.0792	0.7904	0.244344
Gm13831	chr5:115263092-115263394	1.6228	1.2823	-0.3397	0.448857
Sds	chr5:120476530-120483932	0.2970	0.3524	0.2471	0.671469
Gm15860	chr5:123334331-123344437	0.4802	0.6701	0.4808	0.368970
Rsrc2	chr5:123728425-123749414	37.9941	37.3180	-0.0259	0.752868
Nupr1l	chr5:129908567-129910396	0.2320	0.3192	0.4608	0.520744
Gm15921	chr5:130208079-130208562	1.1902	0.4179	-1.5100	0.012447
Gm15701	chr5:136102603-136104436	0.7736	0.5097	-0.6019	0.399257
Myl10	chr5:136693145-136701094	0.8284	0.6858	-0.2725	0.488758
Irs3	chr5:137643031-137645714	0.1764	0.1355	-0.3806	0.641695
Pilrb2	chr5:137865828-137871758	0.1631	0.3401	1.0597	0.418191
Mblac1	chr5:138194313-138195621	0.5546	0.4344	-0.3525	0.553429
C130050O18Rik	chr5:139405279-139415623	0.1964	0.1208	-0.7008	0.319352
Gm16122	chr5:140074104-140085512	0.3254	0.3632	0.1584	0.764300
Gm6433	chr5:141267580-141268455	0.5350	0.8556	0.6775	0.219646
D430018E03Rik	chr5:142874076-142878373	0.2236	0.1138	-0.9742	0.121890
Gm17135	chr5:143922576-143980991	0.9824	0.7773	-0.3380	0.590459
Gm24311	chr5:144013997-144014101	3.6391	1.9313	-0.9140	0.133479
Fam71f2	chr6:29279592-29290680	0.4307	0.5417	0.3308	0.516890
Ccdc136	chr6:29396308-29426994	0.0668	0.0890	0.4138	0.648378
Rpl30-ps1	chr6:38376806-38377154	2.1388	1.4361	-0.5746	0.332779
Klrg2	chr6:38626659-38637239	0.2406	0.3137	0.3826	0.346686
Fam131b	chr6:42315311-42324643	0.1772	0.1208	-0.5525	0.150315
Gm15550	chr6:43373804-43374878	0.5076	0.4442	-0.1923	0.557272
Hoxaas3	chr6:52175216-52215076	0.2501	0.2154	-0.2158	0.744149
Igkv5-39	chr6:69900423-69900710	1.9545	1.1329	-0.7868	0.624088
Actg2	chr6:83512904-83536265	0.2950	0.3291	0.1577	0.702926
Mgll	chr6:88724411-88828360	0.1009	0.0865	-0.2222	0.623287
Gm24816	chr6:90681369-90681518	3.0426	3.4303	0.1730	0.800969
Grip2	chr6:91761508-91827250	0.0877	0.0531	-0.7238	0.128052
March8	chr6:116338023-116409540	0.1036	0.1063	0.0376	0.927915
Lrtm2	chr6:119315132-119330766	0.1382	0.0989	-0.4823	0.279019
Gm23851	chr6:124964284-124964387	6.1543	7.0813	0.2024	0.668578
Gm10069	chr6:128438756-128475617	0.1945	0.1198	-0.6997	0.110953
Clec2f	chr6:129018581-129020519	1.1838	0.1950	-2.6018	0.050538
Klra5	chr6:129898995-129917650	0.3530	0.3269	-0.1108	0.913373
Mansc4	chr6:147075059-147087032	0.3753	0.5616	0.5814	0.093517
D030047H15Rik	chr7:4126339-4136926	0.2634	0.2560	-0.0413	0.939948
Gm15494	chr7:4446445-4471285	2.2010	0.3989	-2.4639	0.042553
Gm6792	chr7:6252709-6282066	0.6457	0.5773	-0.1614	0.661013
Gm19345	chr7:19852002-19858347	0.6068	0.4872	-0.3167	0.724911
Gm9844	chr7:24862201-24862675	1.3925	1.0799	-0.3668	0.083581
Gm9844	chr7:24862212-24862697	1.3609	1.0554	-0.3668	0.083581
Atp1a3	chr7:24978166-25005957	0.0664	0.0607	-0.1296	0.877217
Hipk4	chr7:27523266-27531175	0.2362	0.1352	-0.8045	0.066853
Gm26891	chr7:27927723-27931003	0.1997	0.2528	0.3398	0.429151
Mir1964	chr7:29773293-29773376	6.7335	5.2719	-0.3530	0.382103
Cox7a1	chr7:30184170-30186028	2.3425	1.5758	-0.5720	0.411039
Thap8	chr7:30280093-30290237	0.3277	0.3080	-0.0894	0.881469
Rgs9bp	chr7:35578997-35585582	0.0664	0.0668	0.0073	0.988574
Plekhf1	chr7:38220653-38227994	0.3213	0.3749	0.2227	0.691889
Gm26526	chr7:39588517-39591679	0.1415	0.1185	-0.2560	0.652308
Gm2058	chr7:39588930-39589717	0.6618	0.4630	-0.5155	0.499715
Gm6851	chr7:40190908-40191346	1.1681	1.5427	0.4013	0.476227
9830147E19Rik	chr7:42609525-42642588	0.1084	0.1137	0.0698	0.877250
Snord88c	chr7:44249851-44249941	9.1531	6.5236	-0.4886	0.350840
Spib	chr7:44525994-44532071	0.1458	0.2181	0.5813	0.301899
Napsa	chr7:44572431-44586862	0.2306	0.3402	0.5612	0.371006

<i>Dkk1</i>	chr7:45207524-45211883	0.4157	0.6717	0.6922	0.259373
<i>Lhb</i>	chr7:45418352-45421854	0.2407	0.2725	0.1789	0.688847
<i>Lmtk3</i>	chr7:45783737-45804144	0.1532	0.0769	-0.9950	0.038143
<i>Syngr4</i>	chr7:45885221-45896714	0.5808	0.4020	-0.5307	0.213443
<i>Gm7367</i>	chr7:60155537-60156170	0.3282	1.0727	1.7086	0.049804
<i>6330403N20Rik</i>	chr7:80297727-80299616	0.4110	0.4186	0.0262	0.972890
<i>Gm6415</i>	chr7:81161396-81161744	2.0448	1.8407	-0.1517	0.700895
<i>Rps11-ps5</i>	chr7:96435545-96435999	0.9327	0.6016	-0.6325	0.354933
<i>Gab2</i>	chr7:97081750-97308940	0.0962	0.0943	-0.0282	0.964048
<i>Gm10605</i>	chr7:99625935-99631711	0.1644	0.1545	-0.0894	0.834753
<i>Gpx2-ps1</i>	chr7:100264943-100265246	1.3464	1.2794	-0.0736	0.905663
<i>Gm4887</i>	chr7:104821203-104822256	0.6029	0.5577	-0.1123	0.740963
<i>Gm22504</i>	chr7:105642337-105642476	4.2789	4.7588	0.1534	0.641502
<i>Gm22372</i>	chr7:106426711-106426847	3.0379	2.9663	-0.0344	0.946854
<i>Gm15994</i>	chr7:113324257-113324659	1.1469	0.4604	-1.3167	0.021013
<i>Tmem159</i>	chr7:120102375-120120992	0.2313	0.3535	0.6120	0.069246
<i>Gm26414</i>	chr7:122446857-122447126	2.2992	1.6354	-0.4915	0.071330
<i>Gm17136</i>	chr7:126176123-126176534	1.4109	1.4750	0.0641	0.884841
<i>Asphd1</i>	chr7:126945566-126949582	0.4259	0.4156	-0.0354	0.860195
<i>D830044I16Rik</i>	chr7:126971719-126976098	0.2319	0.2144	-0.1131	0.816411
<i>Gm5903</i>	chr7:130343524-130354373	0.0981	0.1722	0.8118	0.365230
<i>Btbd16</i>	chr7:130774068-130825897	0.1683	0.2146	0.3505	0.505287
<i>Pwwp2b</i>	chr7:139248481-139267253	0.1944	0.2297	0.2407	0.375750
<i>Nkx6-2</i>	chr7:139579376-139582797	0.2774	0.1442	-0.9433	0.022560
<i>Muc5b</i>	chr7:141839071-141873085	0.0340	0.0418	0.3006	0.575881
<i>Rprl3</i>	chr8:3803068-3803358	1.7194	2.8362	0.7220	0.145361
<i>Gm16589</i>	chr8:4087542-4089900	0.2354	0.3820	0.6983	0.175675
<i>Gm26102</i>	chr8:4274852-4275136	1.6335	2.7083	0.7294	0.008137
<i>Gm7461</i>	chr8:4677538-4678365	0.5787	0.8554	0.5638	0.500149
<i>Grtp1</i>	chr8:13176868-13200624	0.4425	0.5439	0.2976	0.443203
<i>1700029H14Rik</i>	chr8:13550732-13562461	0.4672	0.4667	-0.0014	0.997463
<i>Xkr5</i>	chr8:18932728-18950975	0.1348	0.1375	0.0293	0.927461
<i>Fgfr1</i>	chr8:25513653-25575714	0.0523	0.0425	-0.3001	0.695281
<i>Smim18</i>	chr8:33742113-33747770	1.0733	0.8745	-0.2955	0.473073
<i>Rps12l2</i>	chr8:36025752-36026133	1.7411	0.9734	-0.8390	0.090882
<i>Gm16205</i>	chr8:37787665-37788692	0.4008	0.6087	0.6026	0.210154
<i>Fgf20</i>	chr8:40279165-40308331	0.3976	0.3066	-0.3753	0.457349
<i>Gm9755</i>	chr8:67513999-67515606	0.3815	0.2960	-0.3663	0.386298
<i>Tm6sf2</i>	chr8:70072923-70080066	0.4403	0.2988	-0.5594	0.098260
<i>Cib3</i>	chr8:72204334-72212837	0.4490	0.9444	1.0726	0.305368
<i>NA</i>	chr8:72239201-72239482	1.4809	2.5993	0.8116	0.050067
<i>Hmox1</i>	chr8:75093590-75100596	0.3050	0.3411	0.1616	0.747974
<i>Frem3</i>	chr8:80611079-80695356	0.0928	0.1073	0.2107	0.723061
<i>Mir27a</i>	chr8:84208671-84208758	4.9422	5.6548	0.1943	0.636883
<i>Rtbdn</i>	chr8:84946990-84956603	0.1713	0.1135	-0.5943	0.317572
<i>Gm5741</i>	chr8:85067567-85067982	2.1099	1.1218	-0.9113	0.014085
<i>Gpt2</i>	chr8:85492575-85527560	0.1132	0.1237	0.1275	0.679995
<i>Gm3235</i>	chr8:91621447-91629729	0.8777	0.3922	-1.1622	0.014819
<i>Lpcat2</i>	chr8:92855349-92919279	0.0919	0.1627	0.8242	0.141334
<i>Ndrg4</i>	chr8:95676979-95715119	0.0737	0.0948	0.3632	0.577103
<i>Gm22063</i>	chr8:105172495-105172602	3.4594	3.4111	-0.0203	0.977401
<i>Mir328</i>	chr8:105308363-105308460	6.4142	6.7800	0.0800	0.800178
<i>1810019D21Rik</i>	chr8:106135399-106138525	0.3819	0.1416	-1.4318	0.049751
<i>Rps18-ps3</i>	chr8:107262816-107263248	1.1157	1.2276	0.1378	0.548449
<i>Zfx3</i>	chr8:108714643-108961636	0.0305	0.0278	-0.1338	0.774115
<i>Osgin1</i>	chr8:119434123-119446256	0.2212	0.1451	-0.6090	0.328097
<i>Car5a</i>	chr8:121916125-121944904	0.3761	0.3116	-0.2717	0.614443
<i>Gm27854</i>	chr8:123265778-123266005	2.9454	3.3043	0.1659	0.604348
<i>Mmp8</i>	chr9:7558428-7568486	0.2094	0.1205	-0.7970	0.430742
<i>Gm5611</i>	chr9:17030044-17030899	0.2999	0.2654	-0.1764	0.847038
<i>Gm7808</i>	chr9:19927895-19928282	1.5825	0.7583	-1.0613	0.002271
<i>Gm26592</i>	chr9:21034289-21037782	0.2715	0.2330	-0.2205	0.722121
<i>Zglp1</i>	chr9:21062392-21067093	0.6816	0.3246	-1.0705	0.060642
<i>Mir199a-1</i>	chr9:21496494-21496564	8.6389	3.6825	-1.2302	0.193771
<i>Gm22060</i>	chr9:32446821-32446928	4.8563	4.4699	-0.1196	0.840196
<i>Kirrel3os</i>	chr9:34918232-34929509	0.1308	0.0620	-1.0776	0.123466
<i>Pate2</i>	chr9:35570283-35690318	0.1621	0.1284	-0.3367	0.310471
<i>Tpt1-ps5</i>	chr9:37696514-37697033	0.7224	0.9523	0.3987	0.576152
<i>Olfir920</i>	chr9:38752795-38756863	0.2756	0.2267	-0.2822	0.706522
<i>Tecta</i>	chr9:42329618-42399929	0.0760	0.0423	-0.8435	0.030963
<i>Tmem25</i>	chr9:44793775-44799307	0.1571	0.1512	-0.0554	0.896366

Gm20612	chr9:45261054-45261290	1.7912	1.4643	-0.2907	0.650554
Nxpe4	chr9:48362040-48400025	0.1472	0.0463	-1.6687	0.029506
Pih1d2	chr9:50617320-50625000	0.2288	0.2625	0.1978	0.738028
Gm22304	chr9:53639976-53640105	4.3072	4.9515	0.2011	0.693363
Rab39	chr9:53684109-53706232	0.1567	0.2039	0.3796	0.396478
Gm7589	chr9:59145673-59146210	1.0117	1.0291	0.0247	0.959419
Coro2b	chr9:62419491-62537044	0.0969	0.0740	-0.3879	0.543018
Myzap	chr9:71504346-71592360	0.1200	0.0688	-0.8031	0.145512
Gm16353	chr9:75132958-75134181	0.3228	0.1931	-0.7413	0.324735
Mei4	chr9:81863669-82206007	0.1171	0.1515	0.3716	0.489637
Gm24004	chr9:95934612-95934790	3.3234	3.7026	0.1559	0.670062
Trf	chr9:103204000-103230444	0.1575	0.2390	0.6015	0.321978
4930500F10Rik	chr9:106247959-106248907	1.0656	0.7417	-0.5226	0.349297
Gm17040	chr9:107292434-107297192	0.4443	0.3029	-0.5530	0.225647
Camp	chr9:109847374-109849456	0.6735	0.9886	0.5538	0.641866
Arpp21	chr9:112065090-112235938	0.0460	0.0319	-0.5256	0.520825
Itga9	chr9:118606689-118901003	0.1135	0.0621	-0.8712	0.069453
Acvr2b	chr9:119402443-119433501	0.2620	0.1793	-0.5473	0.374744
Gm2449	chr9:119892702-119894863	0.6385	0.4066	-0.6512	0.423478
Tmem158	chr9:123259057-123260789	0.2376	0.2224	-0.0955	0.819042
Lars2	chr9:123366939-123462664	5.2584	26.9279	2.3564	0.352407
Usp27x	chrX:7371275-7375830	0.1781	0.1407	-0.3401	0.459426
B630019K06Rik	chrX:8892381-8894963	0.2239	0.3135	0.4853	0.240425
Gm4984	chrX:12651882-12652821	0.6646	0.4150	-0.6796	0.185462
Gm14719	chrX:49660959-49661190	2.1584	2.0609	-0.0667	0.893186
3830403N18Rik	chrX:56136571-56153498	0.5725	0.0001	-12.4830	0.203003
Gm14817	chrX:73795214-73797616	0.8081	1.1770	0.5426	0.520060
Mir5132	chrX:74023527-74023598	8.4840	9.6334	0.1833	0.823364
Rpl3-ps2	chrX:74170652-74171866	0.4232	0.3029	-0.4824	0.337163
Gm14686	chrX:74261031-74261374	1.9286	1.6502	-0.2249	0.432013
Gm14830	chrX:94774977-94775677	0.8183	0.5778	-0.5020	0.298323
Gm9670	chrX:103506811-103507589	1.0062	1.5251	0.6000	0.088098
Slc16a2	chrX:103697413-103821965	0.0665	0.2392	1.8470	0.142394
Gm14984	chrX:130400956-130402219	0.4305	0.5838	0.4396	0.451808
Gm8019	chrX:137099515-137100102	0.5904	0.9006	0.6090	0.173890
Gm6382	chrX:142210883-142211825	0.6642	0.5581	-0.2511	0.555792
Gm15032	chrX:142622491-142622902	1.0491	0.9344	-0.1670	0.658396
NA	chrX:145601810-145602301	1.2792	1.1477	-0.1565	0.653419
Gm5946	chrX:150220715-150226021	0.1988	0.2436	0.2931	0.556176
Gm15152	chrX:151005869-151006528	0.9697	1.1683	0.2689	0.612339
Arhgap6	chrX:168795098-169304435	0.0492	0.0420	-0.2273	0.596664
Ctnnd2	chr15:30172592-31029311	0.0526	0.1555	1.5628	0.033940
Gm25628	chr15:64025947-64026052	4.9792	4.0276	0.3060	0.546166
Gm17271	chr15:76797627-76798029	0.7338	0.3213	-1.1915	0.240883
Tst	chr15:78399555-78405859	0.5720	0.4383	-0.3840	0.341864
C1qtnf6	chr15:78523345-78529625	0.3012	0.2508	-0.2639	0.623432
Syng1	chr15:80091333-80119501	0.1482	0.0385	-1.9463	0.095574
Gm22067	chr15:81592092-81592199	6.9794	4.1118	-0.7633	0.017226
Shisa8	chr15:82206951-82212815	0.2479	0.1636	-0.6001	0.243915
Cyp2d26	chr15:82790106-82794245	0.2086	0.1688	-0.3059	0.697727
Rnu12	chr15:83149643-83149794	5.0834	3.1112	-0.7083	0.269107
Gm15722	chr15:86087639-86090060	1.1832	0.9489	-0.3184	0.639442
Rabl2	chr15:89582532-89591923	0.1918	0.1363	-0.4928	0.277561
Wnt10b	chr15:98771752-98778150	0.1626	0.1255	-0.3732	0.497970
Gm9763	chr15:99898286-99898556	1.3429	1.6289	0.2785	0.568787
A330009N23Rik	chr15:101221195-101224121	0.4394	0.4596	0.0651	0.924758
Gm2237	chr14:19563800-19585135	0.2757	0.3960	0.5226	0.477868
Gm6158	chr14:24070073-24070637	0.9454	1.1717	0.3096	0.434349
Gm2178	chr14:26514553-26514910	1.8751	1.2361	-0.6012	0.344134
Gm6043	chr14:29217638-29218130	1.2716	1.3422	0.0779	0.904238
Gm10916	chr14:50769247-50769730	1.4439	0.8789	-0.7163	0.255840
Trav6-2	chr14:52667410-52667864	2.0711	1.6683	-0.3121	0.527526
Trav6d-5	chr14:52795027-52795631	1.4161	1.0830	-0.3868	0.248975
Trav13d-4	chr14:53073003-53073267	2.0594	1.0509	-0.9706	0.089463
Trav4-2	chr14:53418348-53418872	0.8949	0.8437	-0.0850	0.897868
Trav3-4	chr14:53776955-53777575	1.0813	1.1166	0.0464	0.915672
Traj57	chr14:54158504-54158569	6.1546	8.4598	0.4589	0.445800
Traj46	chr14:54172335-54172398	10.9575	9.5653	-0.1960	0.611748
Gm20726	chr14:54632328-54632781	1.9232	1.1307	-0.7663	0.014866
Nedd8	chr14:55662264-55671906	113.6950	113.9835	0.0037	0.984181
Parp4	chr14:56575618-56659794	11.8413	12.6690	0.0975	0.684769

Gm9013	chr14:60039609-60040491	1.0145	0.5605	-0.8559	0.100087
Blk	chr14:63372836-63417187	0.0861	0.1642	0.9321	0.425143
Gm20667	chr14:67673176-67675106	0.3577	0.2931	-0.2871	0.598447
5031414D18Rik	chr14:75016026-75052532	0.1413	0.1510	0.0962	0.899918
Spry2	chr14:105891948-105896819	0.3229	0.3519	0.1238	0.816831
Mir17	chr14:115043670-115043754	6.3060	1.9875	-1.6658	0.003189
Mir20a	chr14:115044156-115044263	6.5869	6.5235	-0.0139	0.977102
Cldn20	chr17:3532553-3533213	0.7768	1.0926	0.4921	0.505948
Dynlt1a	chr17:6310546-6317474	0.6896	0.9126	0.4041	0.309471
Prr18	chr17:8340405-8344112	0.2013	0.1141	-0.8189	0.151753
Mas1	chr17:12841078-12868143	0.1453	0.2787	0.9400	0.205705
Zfp229	chr17:21730794-21769342	0.1760	0.0916	-0.9418	0.060374
Zscan10	chr17:23600855-23611019	0.1372	0.0817	-0.7471	0.419485
2810468N07Rik	chr17:25570810-25575043	0.4385	0.4782	0.1248	0.771328
Gm8186	chr17:26098871-26099257	2.3173	1.3605	-0.7683	0.146233
Gm20468	chr17:26861442-26897886	1.0651	0.6483	-0.7162	0.437948
4930526A20Rik	chr17:28075049-28076677	0.3231	0.2151	-0.5873	0.214909
Pdxx-ps	chr17:32076082-32100286	0.2501	0.2956	0.2407	0.684179
Gm23111	chr17:33959662-33959767	4.2476	4.5153	0.0882	0.865463
Gm26940	chr17:34024965-34025070	4.3535	2.1156	-1.0411	0.244365
Mir219a-1	chr17:34024982-34025092	6.5113	2.8384	-1.1979	0.042017
H2-Pa	chr17:34084671-34085823	1.0046	0.8785	-0.1935	0.618579
H2-DMb1	chr17:34153071-34160223	0.4009	0.4180	0.0602	0.881260
Gm20506	chr17:34249056-34250264	1.2677	0.9928	-0.3526	0.357887
Sapcd1	chr17:35025958-35028016	0.4864	0.5540	0.1877	0.745877
Gm20508	chr17:35991866-35993738	0.3281	0.1870	-0.8114	0.706060
Yam1	chr17:39846957-39848788	346.8270	757.9303	1.1278	0.334158
Tmem151b	chr17:45541939-45549677	0.0812	0.0613	-0.4045	0.650871
Gnmt	chr17:46725663-46729168	0.4264	0.3617	-0.2372	0.690434
Frs3	chr17:47689029-47704286	0.1543	0.1511	-0.0299	0.950825
Acsbg2	chr17:56843102-56874447	0.1144	0.0346	-1.7237	0.194140
Gm17168	chr17:57041774-57047143	0.6633	0.2107	-1.6546	0.247542
Gm17228	chr17:63346919-63347410	1.5228	1.1969	-0.3474	0.460582
Gm17538	chr17:77674375-77674702	1.4341	1.0699	-0.4226	0.595761
Prm1	chr16:10796325-10796886	1.3552	1.3332	-0.0236	0.921218
Gm4262	chr16:11008897-11015186	0.2823	0.2290	-0.3014	0.558665
Gm24145	chr16:11167104-11167267	2.4909	2.6813	0.1063	0.893234
Gm6305	chr16:11190253-11191265	0.7046	0.6534	-0.1090	0.802985
Vpreb1	chr16:16868401-16870843	0.4034	0.3122	-0.3699	0.372474
Rpl26-ps4	chr16:17711667-17712105	1.0521	1.8403	0.8067	0.078116
Gm15954	chr16:18069213-18070362	1.5195	1.4394	-0.0782	0.854480
Gm15798	chr16:18944257-18944665	1.1257	1.2950	0.2022	0.594453
Iglv1	chr16:19085016-19085460	0.7987	0.3687	-1.1151	0.568948
Snord66	chr16:20684238-20684313	10.9163	6.1081	-0.8377	0.067631
Dgkg	chr16:22468460-22657221	0.1051	0.0830	-0.3405	0.553364
Gm15746	chr16:23197094-23198121	0.5181	0.5185	0.0013	0.998671
Slc12a8	chr16:33517327-33664135	0.1253	0.1569	0.3246	0.478559
Gm15564	chr16:35966751-35983230	6.4728	63.1325	3.2859	0.337196
B4galt4	chr16:38742263-38769049	0.2120	0.2335	0.1392	0.790217
Cd200r3	chr16:44943677-44981380	0.0827	0.1203	0.5402	0.275440
Tagln3	chr16:45711229-45724608	0.3567	0.1782	-1.0013	0.081458
NA	chr16:49913192-49915008	12.7822	17.9364	0.4888	0.244718
Rps19-ps12	chr16:79914459-79914889	1.1574	0.8529	-0.4405	0.500126
4932438H23Rik	chr16:91053934-91095122	0.2274	0.2244	-0.0193	0.949560
Lca5l	chr16:96158406-96192257	0.0472	0.0933	0.9831	0.228303
Gm960	chr19:4625840-4698668	0.1671	0.2035	0.2842	0.508404
Tigd3	chr19:5891138-5894107	0.4264	0.2347	-0.8615	0.085015
Flrt1	chr19:7092013-7105729	0.0885	0.0965	0.1256	0.846516
Best1	chr19:9985173-10001633	0.2671	0.2769	0.0519	0.945432
Slc15a3	chr19:10839726-10859362	0.0671	0.0606	-0.1471	0.795307
Tmem132a	chr19:10857821-10869940	0.0895	0.0808	-0.1486	0.744054
Gm10136	chr19:29003404-29003842	1.2305	1.2993	0.0784	0.890719
Cpeb3	chr19:37021290-37208601	0.0841	0.0936	0.1545	0.655923
Cyp26c1	chr19:37685580-37693398	0.3855	0.3250	-0.2464	0.273463
Scd3	chr19:44203287-44244016	0.1762	0.1123	-0.6503	0.321880
Pdzd7	chr19:45026905-45046614	0.1337	0.1416	0.0830	0.887089
Kazald1	chr19:45075240-45079289	0.3560	0.2173	-0.7121	0.013263
Gm24724	chr19:53159756-53159863	4.6562	1.8651	-1.3199	0.039527
Nrap	chr19:56320034-56390037	0.0481	0.0672	0.4832	0.515905
Gm6104	chr1:4879201-4880669	0.3007	0.2484	-0.2758	0.613000
Gm16103	chr1:43785909-43787188	0.5384	0.3438	-0.6470	0.119965

2310016D23Rik	chr1:60778842-60803790	1.3311	0.9924	-0.4237	0.136553
4933402D24Rik	chr1:63754906-63769267	0.2931	0.2312	-0.3422	0.391907
Gm8812	chr1:66062964-66063376	1.0845	0.7101	-0.6110	0.293349
Rpl31-ps14	chr1:66948562-66948940	1.3209	1.2131	-0.1229	0.801313
Gpbar1	chr1:74278549-74279624	0.4797	0.4773	-0.0072	0.989885
A530032D15Rik	chr1:85083068-85109853	0.3996	0.2421	-0.7227	0.270242
Gm16341	chr1:86275508-86301375	1.8882	1.7930	-0.0746	0.850039
Gm24148	chr1:86352007-86352087	7.6792	6.8369	-0.1676	0.714372
Gm22549	chr1:87341454-87341561	5.8405	6.3786	0.1272	0.745237
Gm17415	chr1:93421681-93422488	0.8115	0.6290	-0.3674	0.427078
Faim3	chr1:130865668-130880790	0.2677	0.4642	0.7945	0.459904
Gm26280	chr1:135150665-135150766	4.4137	3.6042	-0.2923	0.501479
Tdrd5	chr1:156255295-156303664	0.0826	0.0316	-1.3885	0.027841
Serpinc1	chr1:160978605-161003010	0.3355	0.3077	-0.1247	0.840925
Tnfsf18	chr1:161494654-161505290	0.2076	0.1437	-0.5307	0.414448
Gm15429	chr1:161725535-161727682	0.3291	0.1630	-1.0141	0.002851
Dnm3	chr1:161982452-162478034	0.0365	0.0124	-1.5536	0.025998
Gm6345	chr1:170254048-170255739	0.2555	0.1195	-1.0960	0.040285
1700009P17Rik	chr1:171113917-171126967	0.4364	0.3228	-0.4351	0.341354
4930532G15Rik	chr1:185359460-185362865	0.8070	0.8905	0.1420	0.715874
9630028B13Rik	chr1:185429356-185441819	0.1896	0.1852	-0.0342	0.943888
Ankrd29	chr18:12252361-12305720	0.1149	0.2653	1.2076	0.136595
Gm7847	chr18:25823580-25824357	0.5348	0.4195	-0.3504	0.541121
Gm22200	chr18:34941233-34941300	11.3179	9.2694	-0.2881	0.279414
NA	chr18:35309119-35309221	5.5222	3.0803	-0.8422	0.236487
Cystm1	chr18:36345618-36402980	0.1575	0.2335	0.5683	0.348013
Spry4	chr18:38586267-38601268	0.1296	0.0637	-1.0232	0.100464
Gm15334	chr18:38993634-38994192	1.3909	1.9549	0.4911	0.389965
Cd63-ps	chr18:50134725-50135600	0.4776	0.2941	-0.6995	0.501045
Tex43	chr18:56588349-56594782	0.4652	0.3804	-0.2905	0.676492
Gm26403	chr18:61138508-61138613	5.3641	4.7282	-0.1820	0.660679
Pde6a	chr18:61220481-61289924	0.1223	0.1621	0.4070	0.449772
Gm22567	chr18:65427468-65427810	1.9407	1.8690	-0.0543	0.915272
Stard6	chr18:70472453-70501066	0.2957	0.3610	0.2883	0.653555
Gm8807	chr18:75182217-75182709	0.5055	0.4777	-0.0815	0.934279
Katnal2	chr18:76977147-77047308	0.0598	0.0361	-0.7273	0.514162
Itih2	chr2:10094592-10131396	0.1729	0.1494	-0.2102	0.508865
Gm13375	chr2:20969053-20969997	0.4107	0.6886	0.7456	0.092028
Enkur	chr2:21180730-21205365	0.2924	0.5901	1.0130	0.075050
Rnf208	chr2:25242254-25244262	0.2280	0.2303	0.0147	0.977698
Sardhos	chr2:27189381-27234710	1.1237	0.6165	-0.8662	0.292425
Barhl1	chr2:28907678-28916668	0.2109	0.1508	-0.4838	0.221661
Gm14486	chr2:30658467-30678011	0.5664	0.4601	-0.2999	0.563115
Gm13405	chr2:31209469-31211347	1.0476	0.8499	-0.3018	0.496835
Lcn2	chr2:32384632-32387797	0.1388	0.2502	0.8497	0.603232
Pip5kl1	chr2:32574796-32583782	0.2587	0.2571	-0.0085	0.967328
Ak1	chr2:32621757-32646805	0.2263	0.2093	-0.1130	0.768590
Gm13529	chr2:33652388-33652798	1.4328	1.1033	-0.3770	0.617730
Ggta1	chr2:35400178-35463231	13.7638	11.6679	-0.2383	0.267117
Gm16523	chr2:39161250-39161989	0.9689	1.2693	0.3897	0.442965
Gm13511	chr2:39216931-39217294	1.0328	1.1158	0.1115	0.877639
Gm13453	chr2:40127503-40127860	1.6916	0.8731	-0.9542	0.052840
Gm13535	chr2:57272563-57275686	0.2633	0.1848	-0.5107	0.359260
Gm13620	chr2:60125095-60125819	1.4099	1.2209	-0.2076	0.517402
Gm25966	chr2:61798179-61798296	4.3788	3.4755	-0.3333	0.527176
Gm13565	chr2:62436879-62441142	0.9974	0.8416	-0.2450	0.548660
Klhl23	chr2:69821943-69836651	0.1623	0.0929	-0.8050	0.054514
Gm13641	chr2:71319782-71320255	1.3610	1.4652	0.1065	0.771402
Gm13642	chr2:71412530-71412917	1.7006	1.1335	-0.5852	0.096592
Gm13665	chr2:73116747-73117275	0.8937	0.5208	-0.7790	0.309944
Gm13666	chr2:73131744-73132543	0.8232	0.7600	-0.1153	0.770379
C1qtnf4	chr2:90885859-90890525	0.4433	0.5286	0.2540	0.661087
Spi1	chr2:91082389-91115756	0.2113	0.1565	-0.4334	0.458240
Gm13868	chr2:102311913-102312207	2.4934	1.9202	-0.3768	0.486769
Gm22676	chr2:112500868-112500997	2.8201	3.1282	0.1496	0.816287
Casc5	chr2:119047118-119105501	1.9475	2.4313	0.3201	0.549487
Sptbn5	chr2:120046156-120085772	0.0599	0.0482	-0.3127	0.303968
Map1a	chr2:121289599-121310832	0.0530	0.0558	0.0739	0.811092
Patl2	chr2:122120107-122186189	0.2119	0.1053	-1.0082	0.223302
AA467197	chr2:122636985-122641191	0.6481	0.3824	-0.7609	0.274466
NA	chr2:127269708-127270032	1.2496	1.2962	0.0528	0.937555

Gm14024	chr2:129246375-129268526	0.6627	0.8850	0.4174	0.561389
Spcs2-ps	chr2:129378270-129379396	1.0014	0.4812	-1.0574	0.064250
Gm14057	chr2:130803500-130803982	0.8965	0.7153	-0.3257	0.590893
Hspa12b	chr2:131127279-131146321	0.1535	0.1587	0.0480	0.906880
Macro2d	chr2:140395308-142392966	0.0369	0.0572	0.6345	0.188872
4930444E06Rik	chr2:144243240-144244849	0.3621	0.3983	0.1376	0.649519
Gm11701	chr2:144364126-144365627	0.4752	0.5448	0.1973	0.652163
Gm14122	chr2:150398255-150399399	0.6474	0.6204	-0.0615	0.864272
Sox12	chr2:152393610-152398063	0.1652	0.1484	-0.1552	0.804298
Hck	chr2:153108467-153151441	0.2151	0.3338	0.6338	0.106020
Necab3	chr2:154544398-154558890	0.2797	0.1792	-0.6418	0.189162
Src	chr2:157418443-157471862	0.0884	0.0706	-0.3244	0.642818
2410019O14Rik	chr2:157595582-157597320	1.2618	0.7595	-0.7323	0.416803
Gm26003	chr2:158358359-158358472	8.5596	3.7385	-1.1951	0.014950
Lpin3	chr2:160880669-160906002	0.1542	0.1489	-0.0504	0.885135
Gm14302	chr2:164459895-164460955	1.5576	1.6257	0.0618	0.751735
Gm22596	chr2:164761658-164761974	1.7030	1.9724	0.2119	0.486674
Mmp9	chr2:164940779-164955850	0.1454	0.1928	0.4076	0.573716
Gm25265	chr2:166682073-166682420	2.2991	1.4936	-0.6222	0.148542
Gm14443	chr2:175166254-175175871	0.1478	0.1401	-0.0776	0.909474
Stmn3	chr2:181306458-181314500	0.4810	0.4025	-0.2573	0.574449
mt-Ti	chrM:3705-3774	7.0184	11.0907	0.6601	0.297885
mt-Tw	chrM:4949-5016	9.6319	9.5591	-0.0109	0.985547
mt-Tg	chrM:9390-9458	6.0468	8.0674	0.4159	0.479152
mt-Nd3	chrM:9458-9806	1.6351	1.5765	-0.0527	0.921589
Gm15466	chr3:8882237-8882570	1.9154	1.7017	-0.1706	0.621248
C030034L19Rik	chr3:9403063-9437233	0.0572	0.0566	-0.0134	0.982551
Gm7488	chr3:21049444-21050525	0.4117	0.5617	0.4483	0.561336
Lrrc34	chr3:30624266-30647869	0.2702	0.3519	0.3810	0.545851
Rpl21-ps10	chr3:38107439-38107922	1.0209	1.5429	0.5958	0.202580
Igsf10	chr3:59316734-59344256	0.0513	0.0748	0.5423	0.296762
P2ry1	chr3:61002794-61008979	0.1018	0.0955	-0.0931	0.889900
Lekr1	chr3:65666227-65831159	0.0902	0.0747	-0.2708	0.626965
Rarres1	chr3:67478885-67515523	0.5083	0.3644	-0.4803	0.089746
NA	chr3:75396867-75451818	0.5626	0.2827	-0.9926	0.159730
Fhdcl	chr3:84444034-84480429	0.1555	0.0497	-1.6440	0.012236
Mir1905	chr3:88536300-88536382	4.3789	4.7414	0.1148	0.886842
Pklr	chr3:89136141-89146784	0.1023	0.1768	0.7893	0.168772
1700040D17Rik	chr3:94409394-94412883	0.6657	0.2859	-1.2193	0.063890
Ctsk	chr3:95499285-95509362	0.4056	0.2219	-0.8702	0.024359
Gm22581	chr3:96724264-96724400	5.8538	3.2367	-0.8549	0.053858
M6pr-ps	chr3:99500023-99502645	0.2947	0.1809	-0.7042	0.135975
Chil3	chr3:106147553-106167564	0.2547	0.5348	1.0706	0.471573
Sypl2	chr3:108211471-108226648	0.1649	0.1560	-0.0802	0.805758
Gm17494	chr3:122257090-122293547	0.4183	0.5515	0.3986	0.492862
Rpsa-ps10	chr3:150072589-150073620	0.6000	0.5142	-0.2227	0.624885
Gm26895	chr4:11980668-11988471	1.0275	0.2969	-1.7912	0.037971
Gm11869	chr4:15969571-15969928	1.7145	2.0578	0.2633	0.435250
Gm11865	chr4:16246268-16249514	0.5392	0.5550	0.0418	0.874406
Klh132	chr4:24612553-24851124	0.0530	0.0543	0.0336	0.954036
Gm12403	chr4:41168645-41169604	0.6369	0.6902	0.1160	0.849629
n-R5s183	chr4:41303157-41303272	6.5106	2.8602	-1.1867	0.034424
Fam219aos	chr4:41517436-41518929	0.9585	0.6972	-0.4591	0.326580
Tmem8b	chr4:43668970-43692668	0.0908	0.1182	0.3804	0.438478
Gm23250	chr4:46118179-46118446	1.4818	0.9579	-0.6294	0.136764
Gm12444	chr4:46243013-46243890	0.5333	1.0658	0.9988	0.010729
Gm12516	chr4:55392316-55392701	2.1279	0.9644	-1.1418	0.074012
Gm12538	chr4:57413710-57414196	1.1664	0.9393	-0.3123	0.635554
Gm12543	chr4:59833676-59834219	0.7023	0.7696	0.1320	0.805883
Gm12542	chr4:59889985-59894924	0.7998	0.4497	-0.8308	0.148918
Rnf183	chr4:62427539-62435252	0.3087	0.3645	0.2398	0.770333
4933430I17Rik	chr4:62525368-62547993	0.3007	0.2252	-0.4172	0.383141
Gm11249	chr4:67930880-67931739	0.6573	0.3590	-0.8725	0.263684
Gm11221	chr4:69691977-69692574	0.9665	1.2251	0.3421	0.426046
Rps18-ps1	chr4:71370737-71371196	1.0570	0.6418	-0.7198	0.113588
Gm11263	chr4:79327707-79328456	0.9016	0.9227	0.0334	0.945251
Jun	chr4:95049033-95052222	1.9155	7.5568	1.9801	0.270753
Junos	chr4:95051533-95167318	0.2373	0.5088	1.1003	0.369767
Ldlrad1	chr4:107209179-107218060	0.3984	0.4034	0.0182	0.966027
Echdc2	chr4:108165436-108179308	0.1804	0.1126	-0.6796	0.070661
Gm25827	chr4:108521923-108522030	6.1741	5.7785	-0.0955	0.857449

<i>Ttc39a</i>	chr4:109406622-109444745	0.0921	0.1448	0.6524	0.184145
<i>Tex38</i>	chr4:115779833-115781018	0.6209	0.9180	0.5641	0.118288
<i>Hpd1</i>	chr4:116819906-116821508	0.4547	0.3428	-0.4073	0.339334
<i>Ldha-ps2</i>	chr4:119334388-119335445	0.5661	0.4651	-0.2836	0.528478
<i>Gm12900</i>	chr4:123274899-123275472	0.7503	0.6423	-0.2242	0.785952
<i>D130007C19Rik</i>	chr4:123902128-123903634	0.4639	0.4505	-0.0420	0.911011
<i>Gm12903</i>	chr4:123902421-123902965	0.5474	0.6448	0.2362	0.712682
<i>Gm25323</i>	chr4:126201174-126201277	7.0555	5.3294	-0.4048	0.142127
<i>Gm12929</i>	chr4:126476301-126476671	1.1136	0.5447	-1.0318	0.067257
<i>Gm12944</i>	chr4:127056261-127056724	1.1735	1.3046	0.1528	0.668370
<i>Gm25600</i>	chr4:127108465-127108571	5.0169	2.2192	-1.1768	0.054411
<i>Gm12978</i>	chr4:131902789-131903311	0.7326	0.5989	-0.2907	0.522093
<i>Gm13033</i>	chr4:132884544-132886626	0.3948	0.5550	0.4916	0.371626
<i>Gm24636</i>	chr4:133171426-133171714	2.1743	2.0379	-0.0935	0.701137
<i>Gm16225</i>	chr4:135118220-135120447	1.9844	1.9780	-0.0047	0.994161
<i>Gm12988</i>	chr4:135756217-135756695	1.0680	0.2682	-1.9936	0.065154
<i>Lactb1</i>	chr4:136622620-136638110	0.2382	0.1600	-0.5743	0.347940
<i>C1qa</i>	chr4:136895916-136898803	0.2344	0.1428	-0.7148	0.562381
<i>Gm25772</i>	chr4:137325558-137325614	11.9264	12.1636	0.0284	0.945309
<i>Alpl</i>	chr4:137741732-137796384	0.1707	0.1099	-0.6351	0.426665
<i>1700095J12Rik</i>	chr4:138137594-138138518	0.9395	0.8512	-0.1423	0.820172
<i>Padi3</i>	chr4:140785364-140810648	0.1068	0.0369	-1.5323	0.095631
<i>Cela2a</i>	chr4:141814961-141826160	0.3082	0.2347	-0.3929	0.478240
<i>Ctrc</i>	chr4:141814961-141846359	0.3841	0.2832	-0.4398	0.411792
<i>Gm15951</i>	chr4:147520467-147520867	1.3478	1.4758	0.1309	0.819199
<i>Gm13054</i>	chr4:148001090-148004014	0.4437	0.7688	0.7929	0.284176
<i>Gm572</i>	chr4:148643316-148671572	0.2710	0.1854	-0.5479	0.442377
<i>Gm13071</i>	chr4:149500632-149501008	0.9643	1.1194	0.2150	0.604601
<i>Gm13070</i>	chr4:149904005-149908149	0.8475	0.9950	0.2314	0.668414
<i>Gpr157</i>	chr4:150087364-150105927	0.1170	0.1618	0.4677	0.496074
<i>Gm16024</i>	chr4:155616408-155616787	3.2220	3.1970	-0.0112	0.983376
<i>Gm13648</i>	chr4:156052714-156059802	0.4526	0.3538	-0.3553	0.508422
<i>Txlnb</i>	chr10:17796225-17845665	0.0990	0.1501	0.6005	0.169233
<i>Nodal</i>	chr10:61417971-61425338	0.2642	0.3411	0.3689	0.478217
<i>Gm5778</i>	chr10:73201694-73202766	0.6559	0.5110	-0.3601	0.353213
<i>Gm17151</i>	chr10:80766858-80768987	2.4354	0.9949	-1.2916	0.069555
<i>Tle6</i>	chr10:81590903-81601073	0.1647	0.1435	-0.1992	0.591633
<i>Gm15910</i>	chr10:120857628-120863326	0.1736	0.0994	-0.8040	0.439041
<i>Ndufa4l2</i>	chr10:127514938-127517152	0.3741	0.2286	-0.7106	0.458593
<i>Myo1a</i>	chr10:127705169-127720887	0.1327	0.0815	-0.7029	0.319934
<i>Gm26393</i>	chr11:3656662-3656791	5.7031	2.7154	-1.0706	0.117038
<i>Slc35e4</i>	chr11:3907020-3914664	0.1756	0.2197	0.3233	0.528313
<i>Gm11977</i>	chr11:6781677-6783138	0.4725	0.3370	-0.4876	0.460100
<i>Gm12058</i>	chr11:22786810-22787247	0.9764	0.4205	-1.2155	0.085988
<i>Acyp2</i>	chr11:30505990-30649587	0.8792	0.5322	-0.7242	0.254649
<i>Gm12165</i>	chr11:46036439-46036781	1.7398	0.9114	-0.9328	0.115702
<i>Gm12174</i>	chr11:46727817-46728630	0.6568	0.3622	-0.8586	0.097414
<i>Gm12275</i>	chr11:62304863-62305170	1.5167	1.0191	-0.5736	0.319843
<i>Gucy2e</i>	chr11:69218116-69237036	0.0798	0.0619	-0.3654	0.474795
<i>Wscd1</i>	chr11:71749919-71789647	0.1363	0.0213	-2.6752	0.012832
<i>Gm22772</i>	chr11:77052946-77053067	2.9592	3.3345	0.1723	0.773251
<i>Gm12346</i>	chr11:77293443-77295898	0.2846	0.2836	-0.0050	0.990887
<i>Gm12571</i>	chr11:78149195-78149438	2.0499	2.5495	0.3147	0.369061
<i>Omg</i>	chr11:79500981-79504084	0.2910	0.3104	0.0930	0.857988
<i>Cct6b</i>	chr11:82719249-82764321	0.3484	0.3146	-0.1474	0.658600
<i>Gm11439</i>	chr11:85095140-85095549	1.3201	1.7360	0.3951	0.440344
<i>B4galnt2</i>	chr11:95865942-95914891	0.4743	0.3373	-0.4917	0.392513
<i>Gm26316</i>	chr11:101604849-101605040	3.4761	0.6664	-2.3831	0.011341
<i>Wipi1</i>	chr11:109573330-109611967	0.1113	0.0915	-0.2832	0.380027
<i>Kcnj16</i>	chr11:110968032-111027968	0.1341	0.1255	-0.0953	0.900599
<i>Gm11694</i>	chr11:115493023-115493182	3.4375	3.1016	-0.1484	0.691860
<i>Gm11703</i>	chr11:115724325-115724808	1.0610	1.0629	0.0026	0.993112
<i>Rps11-ps2</i>	chr11:116382749-116383205	1.2970	1.1319	-0.1965	0.707195
<i>Aanat</i>	chr11:116586431-116597680	0.2023	0.2218	0.1329	0.814991
<i>Snord1b</i>	chr11:116674147-116674222	4.9838	5.3823	0.1110	0.853775
<i>Snord1a</i>	chr11:116674597-116674671	5.5509	3.0404	-0.8684	0.438594
<i>Mir1932</i>	chr11:119390471-119390561	4.3294	4.9089	0.1812	0.788586
<i>Pde6g</i>	chr11:120447604-120453500	0.3103	0.0940	-1.7226	0.011101
<i>Rac3</i>	chr11:120721469-120723969	0.5269	0.2418	-1.1240	0.112874
<i>Gm22748</i>	chr12:17546145-17546281	5.1884	4.6980	-0.1433	0.667988
<i>Agmo</i>	chr12:37241640-37582202	0.0281	0.0089	-1.6640	0.525871

<i>Rpl31-ps17</i>	chr12:54701328-54701706	1.4463	1.3439	-0.1059	0.846754
<i>Gm23394</i>	chr12:55821062-55821153	7.2880	5.0728	-0.5227	0.474047
<i>Gm5786</i>	chr12:59081018-59081900	0.7657	0.7018	-0.1257	0.727623
<i>Gm16572</i>	chr12:81587798-81589640	2.4611	1.7608	-0.4831	0.343306
<i>Gm16570</i>	chr12:81589434-81589870	1.2973	0.9154	-0.5030	0.426226
<i>Rpl31-ps1</i>	chr12:91890895-91891273	1.2866	0.7285	-0.8206	0.180245
<i>Gm10433</i>	chr12:100187967-100193540	0.2438	0.3453	0.5019	0.472214
<i>Gm15995</i>	chr12:111726391-111727127	0.7964	1.1794	0.5665	0.409234
<i>BC022687</i>	chr12:112808974-112816245	0.3059	0.4311	0.4948	0.226235
<i>Ighv3-6</i>	chr12:114288156-114288582	0.8683	0.2113	-2.0386	0.353564
<i>Gm23084</i>	chr13:3648536-3648650	4.4254	3.7244	-0.2488	0.772581
<i>Gm26601</i>	chr13:9387138-9391741	0.1635	0.1284	-0.3487	0.600015
<i>Vdac3-ps1</i>	chr13:18030323-18031629	0.3318	0.2937	-0.1761	0.741513
<i>Tcrg-V6</i>	chr13:19190367-19190929	1.0370	0.4072	-1.3486	0.084011
<i>Zfp184</i>	chr13:21945093-21960779	0.1272	0.0729	-0.8033	0.343838
<i>Hist1h2ad</i>	chr13:23574380-23574952	1.7431	0.6488	-1.4257	0.156276
<i>Gm11353</i>	chr13:26492513-26493219	0.9481	0.6201	-0.6126	0.425867
<i>F13a1</i>	chr13:36867177-37050244	0.1585	0.1864	0.2340	0.387719
<i>Mir23b</i>	chr13:63300471-63300568	7.1101	6.4224	-0.1468	0.742360
<i>Gm6910</i>	chr13:66007671-66009240	0.3041	0.1059	-1.5216	0.021103
<i>A230107N01Rik</i>	chr13:84219580-84222175	0.2395	0.1723	-0.4750	0.523685
<i>3830408C21Rik</i>	chr13:107031962-107033673	0.3735	0.3339	-0.1617	0.752594
<i>Plk2</i>	chr13:110395043-110400844	0.1983	0.0857	-1.2105	0.117993
<i>Ccl28</i>	chr13:119623818-119654354	0.1473	0.1074	-0.4558	0.386623
<i>Magi2</i>	chr5:20702276-20706049	0.5678	0.6004	0.0806	0.901482
<i>Gm15421</i>	chr5:22528320-22528719	1.7955	1.3346	-0.4280	0.430515
<i>4632411P08Rik</i>	chr5:29378698-29390488	0.1194	0.1429	0.2600	0.685559
<i>Gm15796</i>	chr5:38507462-38507666	4.0290	2.8671	-0.4908	0.282329
<i>Klb</i>	chr5:65348385-65384003	0.1989	0.0473	-2.0737	0.031621
<i>Snora26</i>	chr5:74093529-74093650	6.7674	2.3886	-1.5024	0.079322
<i>Gm24524</i>	chr5:86079765-86079935	3.8382	3.3456	-0.1982	0.485488
<i>Eif5a3-ps</i>	chr5:90132228-90132675	1.3152	1.1507	-0.1927	0.435857
<i>Ppof2</i>	chr5:92226973-92253159	0.2421	0.1592	-0.6048	0.410989
<i>Hpse</i>	chr5:100679483-100719716	0.1572	0.2084	0.4069	0.100385
<i>Pitpnm2os2</i>	chr5:124194906-124200346	0.4073	0.2999	-0.4413	0.342994
<i>Gm23171</i>	chr5:124257762-124258026	1.8222	2.2298	0.2913	0.380236
<i>Gm15920</i>	chr5:130188394-130188796	1.2140	1.3309	0.1326	0.765940
<i>Gm24139</i>	chr5:134204468-134204756	2.2014	2.4252	0.1397	0.700447
<i>Gm16061</i>	chr5:135698162-135699019	0.6462	0.4894	-0.4009	0.331571
<i>Cldn15</i>	chr5:136966615-136975858	0.2426	0.3005	0.3086	0.493352
<i>Mir93</i>	chr5:138165522-138165610	5.6673	6.4586	0.1885	0.693195
<i>Kpna7</i>	chr5:144983518-145084030	0.1926	0.1927	0.0006	0.998681
<i>Gm13858</i>	chr6:34379466-34380445	0.5351	0.6485	0.2774	0.774175
<i>Gm25108</i>	chr6:42275649-42275727	5.3218	4.0020	-0.4112	0.499166
<i>Fam221a</i>	chr6:49367738-49389905	0.2559	0.2405	-0.0896	0.880978
<i>Hoxa2</i>	chr6:52162350-52165413	0.0733	0.0902	0.3004	0.845340
<i>Gm17147</i>	chr6:65128570-65129002	0.7736	0.5083	-0.6059	0.494796
<i>Tcf7l1</i>	chr6:72626377-72789254	0.1158	0.0754	-0.6204	0.525577
<i>Slc4a5</i>	chr6:83219827-83304945	0.1127	0.1259	0.1601	0.822701
<i>Gm9769</i>	chr6:85843868-85845372	0.2566	0.1713	-0.5829	0.507345
<i>Cml2</i>	chr6:85865421-85869158	0.0486	0.0449	-0.1146	0.949144
<i>Rpl21-ps12</i>	chr6:90844977-90845460	0.6054	0.8328	0.4600	0.499278
<i>Gm26175</i>	chr6:97162816-97162947	4.3014	3.3414	-0.3644	0.552991
<i>Gm15531</i>	chr6:97890287-97890539	3.5907	1.2270	-1.5491	0.074452
<i>Gm20404</i>	chr6:116107650-116127493	0.9378	0.8827	-0.0873	0.912494
<i>Gm8213</i>	chr6:116195417-116195858	1.8634	0.8272	-1.1715	0.106904
<i>NA</i>	chr6:125494423-125509135	0.6910	0.3557	-0.9579	0.070728
<i>Gm4968</i>	chr6:127233755-127234619	0.6292	0.4007	-0.6509	0.384159
<i>Smco3</i>	chr6:136829926-136835452	0.2826	0.3660	0.3734	0.532491
<i>Sox5os3</i>	chr6:144672867-144693834	0.4963	0.3655	-0.4412	0.511628
<i>Tnni3</i>	chr7:4518304-4524229	0.2348	0.4617	0.9752	0.251434
<i>Dnaaf3</i>	chr7:4522932-4532453	0.1689	0.3234	0.9366	0.111387
<i>Smim17</i>	chr7:6398714-6432093	0.1009	0.0495	-1.0272	0.188231
<i>Gm4879</i>	chr7:13178902-13180174	0.5911	0.4177	-0.5010	0.105454
<i>Ap1p1</i>	chr7:30434980-30445582	0.2830	0.2979	0.0739	0.919057
<i>Zfp536</i>	chr7:37472134-37773641	0.1508	0.0069	-4.4600	0.062228
<i>Gm20449</i>	chr7:41399377-41499417	0.2142	0.1482	-0.5316	0.159327
<i>Klk10</i>	chr7:43781053-43785410	0.2586	0.5432	1.0704	0.059777
<i>Art1</i>	chr7:102101742-102111148	0.4275	0.1915	-1.1585	0.055201
<i>Acsm4</i>	chr7:119690025-119714567	0.3264	0.1775	-0.8787	0.085675
<i>4933427G17Rik</i>	chr7:120982508-121014787	0.2620	0.1611	-0.7017	0.362894

Gm16326	chr7:122131091-122131505	1.2882	0.7501	-0.7801	0.333196
Gm14388	chr7:122442022-122442499	0.9758	0.8905	-0.1319	0.816141
Ifitm1	chr7:140967220-140969825	0.4695	0.2020	-1.2168	0.093030
Gm7290	chr7:142757255-142757852	0.7640	0.4633	-0.7217	0.383993
Gm24698	chr8:13876096-13876226	2.5338	2.6673	0.0741	0.911040
Nek5	chr8:22073615-22125053	0.1556	0.1133	-0.4569	0.535491
Snord13	chr8:31149863-31149967	6.0423	4.7255	-0.3546	0.622027
Gm5117	chr8:31737053-31739763	0.2225	0.1404	-0.6645	0.347596
Csgalnact1	chr8:68356780-68735146	0.0930	0.0613	-0.6018	0.359834
Mef2b	chr8:70152777-70167488	0.5124	0.5189	0.0180	0.948604
Mir23a	chr8:84208517-84208592	6.0082	1.9705	-1.6084	0.036918
Gm10094	chr8:95825353-95826133	0.6925	0.1861	-1.8957	0.187933
Snord71	chr8:109839294-109839379	7.0074	2.5555	-1.4553	0.062331
Mtss1l	chr8:110721475-110741400	0.1301	0.0858	-0.6008	0.172374
Dock6	chr9:21800183-21852635	0.1374	0.0781	-0.8155	0.169481
Gm25630	chr9:35474884-35475046	2.2198	3.0532	0.4599	0.482670
Gm10080	chr9:44374594-44375209	0.8005	0.8934	0.1584	0.701643
4930550C14Rik	chr9:53405285-53432803	0.2755	0.3842	0.4801	0.423872
Gm23344	chr9:64175047-64175115	12.9389	4.8261	-1.4228	0.058611
Gm25313	chr9:65196571-65196687	4.5757	3.1338	-0.5461	0.502758
Gm20509	chr9:73103728-73117920	1.2821	1.2243	-0.0666	0.894218
n-R5s87	chr9:96549593-96549709	4.7635	2.3565	-1.0154	0.191474
Mir135a-1	chr9:106154123-106154213	6.4909	6.8766	0.0833	0.875853
Xylb	chr9:119357380-119393797	0.1274	0.1425	0.1618	0.586176
Slc6a20a	chr9:123636121-123678885	0.1083	0.0732	-0.5642	0.540401
Gm14450	chrX:5984771-5985011	2.7233	2.2643	-0.2663	0.623133
Gm6787	chrX:8097086-8106701	0.3900	0.3013	-0.3724	0.463772
Gm9435	chrX:14955097-14955974	0.3546	0.0837	-2.0834	0.150554
Apln	chrX:48025145-48034853	0.2623	0.1563	-0.7473	0.120745
Rab33a	chrX:48519284-48530232	0.5466	0.3299	-0.7286	0.118728
Mtap7d3	chrX:56797857-56822326	0.1689	0.2081	0.3009	0.582853
Cd40lg	chrX:57212142-57224042	0.3224	0.1629	-0.9845	0.323761
Hspa9-ps1	chrX:60576945-60578878	0.3871	0.1878	-1.0433	0.276712
Gm7327	chrX:61785380-61786032	1.1215	0.7857	-0.5133	0.276014
Gm15379	chrX:75458811-75459459	0.4384	1.0025	1.1932	0.227940
Gm7429	chrX:114980969-114981317	1.2460	1.0604	-0.2328	0.653238
Gprasp2	chrX:135839033-135844730	0.1718	0.1167	-0.5580	0.302303
Gm5763	chrX:142631482-142634015	0.2918	0.1227	-1.2493	0.170101
Gm15267	chrX:152043048-152043512	1.1206	0.6711	-0.7396	0.231414
Gm15239	chrX:167361454-167364421	0.8656	0.7373	-0.2314	0.713811
Lifr	chr15:7129558-7197489	0.0491	0.0534	0.1203	0.846371
Gm25713	chr15:12158332-12158441	6.1573	6.2149	0.0134	0.956128
Gm3362	chr15:37943326-37943792	1.0540	1.0610	0.0096	0.986313
Abra	chr15:41865292-41869720	0.3044	0.3939	0.3722	0.428445
Mir30b	chr15:68337414-68337510	3.0406	0.7527	-2.0143	0.388343
Gm17189	chr15:74784064-74800640	0.2599	0.2666	0.0370	0.972106
n-R5s40	chr15:79692501-79692625	5.1546	4.6074	-0.1619	0.707002
Gm24011	chr15:86149583-86149851	1.1452	0.8133	-0.4937	0.624092
Gpd1	chr15:99717514-99725005	0.1685	0.1922	0.1902	0.757576
Il17rd	chr14:27039000-27107286	0.0670	0.0711	0.0864	0.767998
Gm24916	chr14:31015147-31015226	7.3751	4.1814	-0.8187	0.170729
Trav8d-1	chr14:52778446-52778994	1.2107	1.1920	-0.0225	0.965401
Trav12d-1	chr14:52844464-52845039	1.1268	0.5870	-0.9409	0.196978
Trav7n-4	chr14:53091345-53091875	1.1203	1.2851	0.1980	0.763780
Trav13n-4	chr14:53363835-53364102	2.6982	2.4013	-0.1682	0.744767
Trdv5	chr14:54148661-54149201	1.8616	0.7383	-1.3342	0.030264
Traj58	chr14:54157279-54157342	9.2305	6.9466	-0.4101	0.536288
Traj53	chr14:54162643-54162709	7.8057	4.4059	-0.8251	0.116773
1700039M10Rik	chr14:57571623-57572368	0.8872	0.7054	-0.3308	0.489078
Dleu7	chr14:62276230-62292979	0.5681	0.3825	-0.5706	0.195450
Gm6984	chr14:73953921-73955586	0.2487	0.1979	-0.3301	0.442150
Mir92-1	chr14:115044426-115044506	5.6230	2.2763	-1.3047	0.128253
Slc15a1	chr14:121459620-121505254	0.1798	0.2682	0.5769	0.190947
T2	chr17:8372395-8422728	0.2226	0.1859	-0.2598	0.738348
Pnlcd1	chr17:12888901-12910000	0.4502	0.2841	-0.6642	0.164700
Zfp947	chr17:22144358-22166190	0.1734	0.1730	-0.0038	0.995208
Gm16386	chr17:22784797-22817741	0.4015	0.4477	0.1572	0.744337
Casp16	chr17:23550964-23553566	0.5883	0.3493	-0.7522	0.220361
Zfp13	chr17:23575844-23599487	0.0997	0.0903	-0.1442	0.878549
Snord60	chr17:24528475-24528553	7.1051	6.3075	-0.1718	0.735555
Gm17382	chr17:26860286-26886175	0.3343	0.3119	-0.1001	0.855538

<i>Slc26a8</i>	chr17:28637782-28689987	0.1121	0.1500	0.4201	0.545262
<i>Gm25447</i>	chr17:31059603-31059731	3.9864	2.7327	-0.5448	0.334803
<i>NA</i>	chr17:32285106-32285177	6.9187	11.3754	0.7173	0.124553
<i>Gm23037</i>	chr17:46403874-46404198	1.9119	2.2797	0.2539	0.643800
<i>Plin5</i>	chr17:56111600-56117596	0.2362	0.1561	-0.5979	0.289044
<i>Pspn</i>	chr17:56999456-57000018	1.0970	1.2046	0.1350	0.828866
<i>Snord92</i>	chr17:71631280-71631365	8.3456	5.1049	-0.7091	0.203207
<i>Gm22858</i>	chr17:71641583-71641659	10.2322	6.3155	-0.6961	0.231133
<i>Abcg8</i>	chr17:84676301-84700333	0.1997	0.1222	-0.7082	0.169388
<i>Gm23493</i>	chr16:3927199-3927287	5.3844	3.1196	-0.7874	0.214244
<i>Gm4279</i>	chr16:11688168-11691857	0.1641	0.1895	0.2076	0.685952
<i>Slc7a4</i>	chr16:17572017-17576998	0.0926	0.0919	-0.0107	0.983980
<i>Gm7873</i>	chr16:18218169-18219313	0.7457	0.8118	0.1225	0.795169
<i>Gm25777</i>	chr16:18240716-18240842	2.0843	1.3183	-0.6608	0.589821
<i>Igll2</i>	chr16:19198400-19200351	0.6313	0.7329	0.2154	0.795481
<i>Gm6467</i>	chr16:21896505-21897116	1.0474	1.0480	0.0007	0.998032
<i>Gm6493</i>	chr16:23014207-23017038	0.2977	0.2241	-0.4096	0.458913
<i>Gm25617</i>	chr16:38158007-38158139	3.5273	2.0705	-0.7686	0.304078
<i>Gm25989</i>	chr16:43886681-43886814	3.3017	2.0751	-0.6700	0.580355
<i>Arl6</i>	chr16:59612948-59639391	0.3697	0.3072	-0.2673	0.504599
<i>Rpl21-ps5</i>	chr16:83371250-83371733	1.2630	1.4354	0.1846	0.675425
<i>B3galt5</i>	chr16:96235800-96319859	0.1068	0.1204	0.1735	0.810256
<i>Lbhd1</i>	chr19:8883929-8887258	0.9266	0.6919	-0.4215	0.422812
<i>Rpl31-ps20</i>	chr19:30160619-30160997	1.8035	0.9314	-0.9533	0.067103
<i>Sfrp5</i>	chr19:42197970-42202252	0.2310	0.1051	-1.1359	0.147931
<i>Gm6807</i>	chr19:45450307-45451195	0.6081	0.3501	-0.7964	0.105404
<i>1500015O10Rik</i>	chr1:43730601-43742578	0.6381	0.6694	0.0690	0.908905
<i>Gm5976</i>	chr1:52503233-52504229	0.5967	0.6294	0.0769	0.900355
<i>Als2cr12</i>	chr1:58658116-58695989	0.4141	0.4328	0.0638	0.868521
<i>Snord70</i>	chr1:59691933-59692020	6.2549	2.9210	-1.0986	0.221990
<i>Rps27-ps1</i>	chr1:63073773-63074019	1.7743	2.0563	0.2127	0.748269
<i>Gm8805</i>	chr1:65552681-65552994	0.8807	0.7580	-0.2165	0.790212
<i>Gm5528</i>	chr1:72004287-72004770	0.9018	1.0251	0.1848	0.693287
<i>A630095N17Rik</i>	chr1:75220094-75232093	0.5967	0.8039	0.4301	0.487688
<i>n-R5s215</i>	chr1:85674881-85674985	4.4737	6.3871	0.5137	0.333766
<i>B3gnt7</i>	chr1:86303220-86307303	0.1851	0.2537	0.4546	0.363719
<i>Sctr</i>	chr1:120006979-120063528	0.1934	0.2009	0.0548	0.909397
<i>Gm23734</i>	chr1:127375130-127375239	4.8721	1.3473	-1.8545	0.143211
<i>Map3k19</i>	chr1:127815270-127840290	0.1025	0.0829	-0.3067	0.646434
<i>Zp3r</i>	chr1:130576712-130629621	0.2347	0.1220	-0.9441	0.246434
<i>Gm10535</i>	chr1:135108960-135113378	0.5984	0.5601	-0.0954	0.878264
<i>Gm15850</i>	chr1:136126177-136131183	0.3536	0.2873	-0.2996	0.437463
<i>Rgl1</i>	chr1:152516758-152766351	0.1135	0.1312	0.2092	0.403504
<i>3110045C21Rik</i>	chr1:169969408-169972395	0.3190	0.3076	-0.0525	0.932789
<i>Gm2962</i>	chr1:170925308-170925644	0.8651	0.9208	0.0900	0.922978
<i>Gm10516</i>	chr1:192136897-192151013	0.2181	0.2609	0.2586	0.207218
<i>Gm10557</i>	chr18:4198215-4198969	1.1891	0.6782	-0.8100	0.086225
<i>Fhod3</i>	chr18:24709444-25133500	0.0626	0.0509	-0.2984	0.706670
<i>Gm26109</i>	chr18:34942643-34942713	5.2980	2.5963	-1.0290	0.228315
<i>BC023105</i>	chr18:60441752-60442983	0.2727	0.1207	-1.1764	0.309881
<i>Spink10</i>	chr18:62548910-62661366	0.2942	0.2435	-0.2728	0.572997
<i>Spire1</i>	chr18:67488208-67552777	0.1174	0.1567	0.4159	0.270450
<i>Snord58b</i>	chr18:75001057-75001123	12.0804	5.8132	-1.0553	0.066389
<i>Rpl21-ps8</i>	chr18:82523538-82524021	0.8930	0.5748	-0.6354	0.437769
<i>Gm13262</i>	chr2:9906177-9914678	0.2827	0.3209	0.1829	0.770471
<i>Gm22051</i>	chr2:10506554-10506681	4.4916	1.4517	-1.6295	0.003392
<i>Gm13321</i>	chr2:12421624-12422023	1.4937	1.0049	-0.5719	0.336840
<i>A930004D18Rik</i>	chr2:18025192-18037737	0.1383	0.0760	-0.8633	0.200088
<i>NA</i>	chr2:26014594-26014747	4.0357	3.3878	-0.2525	0.736194
<i>2600006K01Rik</i>	chr2:29868725-29869785	0.8603	0.5908	-0.5422	0.215495
<i>Gm13407</i>	chr2:34412987-34413347	1.5838	1.6799	0.0849	0.865124
<i>Gm13408</i>	chr2:34564998-34565796	0.8770	0.7780	-0.1727	0.577135
<i>NA</i>	chr2:34778676-34778772	5.6730	5.3628	-0.0811	0.828948
<i>Gm13496</i>	chr2:38996712-38998258	0.2445	0.5194	1.0870	0.080398
<i>Gm13517</i>	chr2:55775547-55777042	0.3580	0.2807	-0.3512	0.253351
<i>Gm13573</i>	chr2:60274943-60275574	0.8902	0.7817	-0.1875	0.696885
<i>Fap</i>	chr2:62500942-62574075	0.1006	0.1092	0.1186	0.850648
<i>Gm13707</i>	chr2:73421908-73429142	0.9215	1.0648	0.2084	0.461800
<i>Exd1</i>	chr2:119516504-119547627	0.1001	0.0549	-0.8655	0.242555
<i>Gm22865</i>	chr2:121004088-121004301	1.2671	1.9037	0.5873	0.562895
<i>Gm14018</i>	chr2:121485431-121491512	1.0583	0.9296	-0.1871	0.748482

<i>Snord110</i>	chr2:130275505-130275573	4.2246	5.6284	0.4139	0.530826
<i>Gm14068</i>	chr2:140044491-140044704	3.1661	2.0623	-0.6184	0.204729
<i>Gm14139</i>	chr2:150181754-150193279	0.2710	0.0423	-2.6788	0.083077
<i>Tmem74b</i>	chr2:151702007-151712157	0.1642	0.1026	-0.6782	0.362613
<i>Gm14198</i>	chr2:154630001-154632636	0.7272	0.6924	-0.0707	0.870743
<i>Gm14200</i>	chr2:158468168-158468360	2.0656	1.6148	-0.3552	0.590443
<i>Gm14403</i>	chr2:177498214-177509763	0.4705	0.3119	-0.5933	0.346421
<i>C330013J21Rik</i>	chr2:177903339-177925613	0.5690	0.8447	0.5701	0.448335
<i>Srms</i>	chr2:181205561-181213185	0.2216	0.2006	-0.1431	0.778896
<i>Lkaear1</i>	chr2:181696792-181698442	0.4865	0.3234	-0.5892	0.297780
<i>mt-Tv</i>	chrM:1024-1093	2.7432	4.2357	0.6267	0.532046
<i>Gm8177</i>	chr3:57135495-57136831	0.5643	0.3015	-0.9040	0.009120
<i>Rpl32-ps</i>	chr3:69716985-69717393	1.7159	0.9899	-0.7936	0.279004
<i>Tmem144</i>	chr3:79813147-79842662	0.2897	0.2596	-0.1586	0.567667
<i>Snord73a</i>	chr3:86138790-86138858	10.6252	9.0508	-0.2314	0.642568
<i>Kirrel</i>	chr3:87078592-87174747	0.0669	0.0659	-0.0217	0.969625
<i>Rpl31-ps11</i>	chr3:94604407-94604784	0.9382	1.2639	0.4300	0.363969
<i>Selenbp1</i>	chr3:94933055-94944758	0.3000	0.3222	0.1030	0.778639
<i>Gm26594</i>	chr3:95855965-95861485	0.5615	0.4487	-0.3236	0.643286
<i>Gnat2</i>	chr3:108092788-108101432	0.1759	0.1732	-0.0221	0.976870
<i>Mir302b</i>	chr3:127545227-127545301	5.0145	3.9159	-0.3568	0.639191
<i>Gm16060</i>	chr3:138828684-138829162	1.0763	0.9940	-0.1148	0.836265
<i>Fsbp</i>	chr4:11579664-11587591	0.1606	0.1396	-0.2021	0.726999
<i>Gm22849</i>	chr4:34683878-34684185	1.5583	1.1947	-0.3833	0.603508
<i>Gm23090</i>	chr4:41213775-41213853	6.3124	5.8428	-0.1115	0.871290
<i>Rps15a-ps8</i>	chr4:53791069-53791456	1.0802	0.9442	-0.1942	0.739215
<i>Gm11209</i>	chr4:62627676-62633712	1.2295	0.2525	-2.2838	0.017925
<i>Rpl17-ps4</i>	chr4:63895544-63896099	0.8191	0.7602	-0.1077	0.826517
<i>4930553M12Rik</i>	chr4:88867881-88868379	1.7168	0.9162	-0.9059	0.318628
<i>Gm12726</i>	chr4:105578339-105578940	0.7476	0.6963	-0.1026	0.864231
<i>Gm12850</i>	chr4:107270433-107270869	0.7830	0.6265	-0.3217	0.625524
<i>Gm22345</i>	chr4:108537490-108537597	8.2747	4.6457	-0.8328	0.115180
<i>Gm23143</i>	chr4:117202527-117202643	5.8862	4.2483	-0.4704	0.518680
<i>Gm12959</i>	chr4:119553655-119554058	1.2240	0.9125	-0.4236	0.549218
<i>Gm26606</i>	chr4:123898632-123904842	0.2954	0.2725	-0.1165	0.811544
<i>Gm12936</i>	chr4:126584508-126584809	1.4478	1.0406	-0.4764	0.343600
<i>Kdf1</i>	chr4:133518962-133530790	0.2780	0.1375	-1.0152	0.108393
<i>Gm15979</i>	chr4:135430125-135430841	0.9837	1.2363	0.3297	0.299706
<i>Gm13047</i>	chr4:141084863-141085678	0.6431	0.3813	-0.7541	0.273782
<i>Gm13238</i>	chr4:145837218-145837998	0.6202	0.3348	-0.8894	0.348703
<i>Rnf207</i>	chr4:152307018-152318993	0.1166	0.1069	-0.1254	0.570812
<i>Gabrd</i>	chr4:155384979-155398112	0.1060	0.1154	0.1233	0.935851
<i>5830444B04Rik</i>	chr4:155398762-155421704	1.1763	0.6146	-0.9367	0.640110
<i>NA</i>	chr4:155409189-155447944	1.4187	0.9461	-0.5845	0.747968
<i>Vwa1</i>	chr4:155768148-155774698	0.1255	0.1573	0.3263	0.422902
<i>Gm16074</i>	chr10:3992370-3992814	1.1380	1.7021	0.5809	0.244743
<i>Mir5104</i>	chr10:7836380-7836474	5.2851	5.1021	-0.0508	0.914849
<i>Rsph4a</i>	chr10:33905110-33916021	0.1151	0.1809	0.6523	0.378700
<i>BC021785</i>	chr10:39958060-39986646	0.1000	0.0760	-0.3951	0.478492
<i>Hcn2</i>	chr10:79716633-79736108	0.1522	0.1557	0.0327	0.959006
<i>Gm23582</i>	chr11:21249421-21249560	4.2492	4.6357	0.1256	0.857727
<i>Mup-ps22</i>	chr11:55123694-55123937	3.0037	2.2887	-0.3922	0.619530
<i>Epn2</i>	chr11:61517248-61579687	0.0754	0.0634	-0.2516	0.714597
<i>Ccr10</i>	chr11:101172996-101175443	0.2292	0.0742	-1.6280	0.256641
<i>Gm11619</i>	chr11:101353308-101353545	2.6400	2.0029	-0.3985	0.382596
<i>Gm25593</i>	chr11:101353341-101353437	5.3262	3.8035	-0.4858	0.354363
<i>2810410L24Rik</i>	chr11:120185399-120189852	0.2176	0.1765	-0.3017	0.537956
<i>Mir1938</i>	chr12:40222711-40222811	4.4780	3.2949	-0.4426	0.399001
<i>Gm1818</i>	chr12:48554181-48559971	0.1325	0.1524	0.2021	0.777441
<i>Gm22973</i>	chr12:59040334-59040525	3.2390	3.2708	0.0141	0.970438
<i>Papln</i>	chr12:83763633-83792382	0.0761	0.0458	-0.7318	0.330889
<i>Bdkrb1</i>	chr12:105603084-105605428	0.3156	0.2932	-0.1060	0.810835
<i>Ak7</i>	chr12:105705981-105782447	0.1657	0.2044	0.3028	0.677133
<i>2810029C07Rik</i>	chr12:111572320-111574402	0.2404	0.3767	0.6479	0.066507
<i>Ighv9-3</i>	chr12:114140691-114141122	0.7295	0.1536	-2.2474	0.463721
<i>Fam217a</i>	chr13:34909963-34919992	0.2388	0.2454	0.0396	0.889880
<i>Cd180</i>	chr13:102693557-102739629	0.1080	0.1066	-0.0187	0.972768
<i>Tmbim7</i>	chr5:3657003-3680325	0.1478	0.2147	0.5379	0.436549
<i>Gm22333</i>	chr5:24438485-24438586	4.4110	4.6999	0.0915	0.910810
<i>Gm5129</i>	chr5:29735636-29735936	2.1121	1.8235	-0.2120	0.684712
<i>Fgfr3</i>	chr5:33721723-33737068	0.0777	0.0930	0.2588	0.570278

Gm25551	chr5:37092257-37092360	4.7280	4.0690	-0.2166	0.635692
2310040G07Rik	chr5:76928367-76947758	0.6105	0.5316	-0.1996	0.766477
Gm2199	chr5:80900749-80901623	0.4395	0.4423	0.0091	0.988764
Kat2b-ps	chr5:93390601-93393091	0.1753	0.2059	0.2321	0.667552
Styx11	chr5:135747219-135778385	0.3925	0.3237	-0.2781	0.579978
Gm23995	chr5:144774424-144774553	2.1006	1.2663	-0.7303	0.520387
Slc13a4	chr6:35267956-35308131	0.0818	0.0684	-0.2584	0.683839
A930035D04Rik	chr6:47453775-47454320	1.0014	1.1180	0.1590	0.672171
M1ap	chr6:82946901-83030183	0.1967	0.1926	-0.0311	0.957164
Rps19-ps9	chr6:87948463-87948877	1.0653	0.3993	-1.4158	0.026116
Il17rc	chr6:113471426-113483140	0.1790	0.1513	-0.2430	0.687582
Gm4875	chr6:117997206-117997992	0.5070	0.7416	0.5485	0.473194
Apold1	chr6:134982000-134986836	0.1752	0.2129	0.2817	0.723392
Slc27a5	chr7:12988345-12998192	0.2050	0.1270	-0.6915	0.323634
Hif3a	chr7:17031506-17062427	0.0636	0.0524	-0.2798	0.657002
Gm6537	chr7:28756173-28758965	0.4053	0.2096	-0.9513	0.203584
Gm10161	chr7:75366054-75366264	2.3548	1.6508	-0.5124	0.369792
Homer2	chr7:81600480-81706925	0.0380	0.0376	-0.0125	0.980076
Gm16938	chr7:98177193-98185597	0.1321	0.1524	0.2063	0.608589
Chrna10	chr7:102111265-102116713	0.1385	0.0648	-1.0949	0.331853
Gm25636	chr7:110023209-110023342	3.0211	3.9706	0.3943	0.495747
Gm14389	chr7:122484194-122484420	2.1222	1.2254	-0.7924	0.272154
Stk32c	chr7:139103637-139213307	0.1687	0.3008	0.8343	0.387861
Odf3	chr7:140847804-140851018	0.2073	0.1154	-0.8454	0.122512
Plvap	chr8:71497753-71511769	0.2464	0.3445	0.4836	0.376897
Nanos3	chr8:84173732-84176552	0.5004	0.5491	0.1339	0.818374
9430002A10Rik	chr8:88174559-88175028	0.9942	1.2552	0.3363	0.579474
Gpr56	chr8:94977108-95014208	0.1439	0.2023	0.4917	0.473664
Rps13-ps4	chr8:119602169-119602625	1.8560	1.1174	-0.7321	0.188855
Epor	chr9:21958898-21963576	0.2755	0.2684	-0.0375	0.941198
Panx3	chr9:37659901-37669222	0.1260	0.1379	0.1306	0.829280
Tmprss13	chr9:45319099-45347581	0.2063	0.2193	0.0882	0.889317
Gm16073	chr9:65838166-65838683	0.8279	0.7819	-0.0823	0.892151
Hmgn3	chr9:83109947-83146685	0.2728	0.2502	-0.1248	0.862747
Prss50	chr9:110857966-110864628	0.3471	0.2382	-0.5435	0.119076
Gm26975	chr9:118404096-118406099	1.5271	1.8822	0.3017	0.380485
Gm25341	chr9:122812563-122812831	1.1092	1.0938	-0.0203	0.979144
Rpl22-ps1	chrX:8038610-8038996	1.2498	0.9932	-0.3316	0.501426
Gm7153	chrX:75723671-75724126	1.0517	1.4425	0.4559	0.452685
Gm14858	chrX:102252521-102365498	0.2649	0.3136	0.2430	0.684289
Gm14857	chrX:106281911-106285096	0.1231	0.0804	-0.6143	0.243065
Tmem35	chrX:134295224-134305969	0.2345	0.1228	-0.9334	0.240892
Capsl	chr15:9436027-9466035	0.5383	0.6367	0.2422	0.726877
Gm6576	chr15:27025385-27026207	0.6030	0.5774	-0.0626	0.887718
Mroh5	chr15:73761409-73839699	0.0644	0.0745	0.2085	0.863815
Tssk5	chr15:76371957-76374938	0.3450	0.3257	-0.0827	0.871369
Enthd1	chr15:80452339-80560470	0.1969	0.3532	0.8434	0.210058
Gm17025	chr15:81415559-81419188	0.6480	0.5941	-0.1253	0.891472
1810021B22Rik	chr15:89071195-89075852	0.5224	0.5684	0.1219	0.824143
9930004E17Rik	chr14:26670009-26670507	1.3691	1.2972	-0.0777	0.895711
Trav13-4-dv7	chr14:53757355-53757920	1.3031	0.8601	-0.5994	0.341804
1700001G11Rik	chr14:66295333-66297129	0.6911	0.5531	-0.3215	0.631237
Zbtbd6	chr14:79451834-79454816	0.1614	0.2328	0.5282	0.262200
Tmem181b-ps	chr17:6448039-6449571	0.7605	0.5650	-0.4289	0.269811
BC028777	chr17:24208860-24221730	0.3624	0.5219	0.5263	0.277832
Abca17	chr17:24264258-24351029	0.1211	0.0522	-1.2149	0.098369
Fer	chr17:63896017-64139494	0.1269	0.1261	-0.0100	0.981199
Morn2	chr17:80290211-80297473	0.6917	0.5917	-0.2253	0.754696
Rpl39l	chr16:10170225-10174911	0.4520	0.1581	-1.5155	0.561811
Myh11	chr16:14194526-14291408	0.0670	0.0938	0.4850	0.156887
Gm15646	chr16:17139674-17140483	0.8813	0.6195	-0.5086	0.228067
Gm15760	chr16:20545917-20546200	1.8438	1.4903	-0.3071	0.372631
NA	chr16:20677316-20677395	6.2710	8.0708	0.3640	0.490274
Tigit	chr16:43648860-43664184	0.3734	0.5923	0.6656	0.435072
Lrfn4	chr19:4611784-4615667	0.1303	0.1701	0.3842	0.527061
Gm9750	chr19:9135156-9279175	0.2763	0.3241	0.2306	0.593330
Gm8412	chr19:27858057-27858497	0.7907	0.4183	-0.9184	0.242337
Gsto2	chr19:47865544-47886324	0.1793	0.2356	0.3940	0.628927
Gm7658	chr1:21511869-21513127	0.5054	0.3311	-0.6103	0.268252
Vil1	chr1:74409375-74435559	0.1696	0.1971	0.2166	0.679465
Atp6v1g3	chr1:138273737-138289460	0.2840	0.1922	-0.5634	0.647294

<i>Scppdh</i>	chr1:179668209-179687189	0.0695	0.0315	-1.1392	0.213027
<i>Mir194-1</i>	chr1:185313318-185313385	6.2657	4.9404	-0.3428	0.602327
<i>Gm22005</i>	chr2:3291377-3291518	2.7139	2.4533	-0.1457	0.849850
<i>Gm13194</i>	chr2:4942173-4942484	1.7376	2.4556	0.4990	0.331037
<i>Gm13192</i>	chr2:4959542-4959752	2.7275	0.9443	-1.5303	0.113281
<i>Gm25753</i>	chr2:10502390-10502511	3.4265	1.3798	-1.3123	0.189790
<i>Stxbp1</i>	chr2:32787601-32847239	0.1166	0.0857	-0.4439	0.583189
<i>Gca</i>	chr2:62664284-62694109	0.1089	0.1236	0.1824	0.786961
<i>Gm13623</i>	chr2:69766181-69766806	0.9755	0.4365	-1.1601	0.062335
<i>Dnmt3l-ps1</i>	chr2:83744483-83745736	0.3585	0.6480	0.8540	0.232518
<i>Il1a</i>	chr2:129299609-129309972	0.2027	0.0909	-1.1572	0.245103
<i>Gm14231</i>	chr2:156789809-156790403	1.0210	1.2680	0.3126	0.461397
<i>NA</i>	chr2:157133905-157133972	9.6753	9.3895	-0.0432	0.932562
<i>Gm11472</i>	chr2:167087183-167087739	0.8084	0.7239	-0.1592	0.765694
<i>Gm11474</i>	chr2:167535165-167535442	2.0523	2.2407	0.1267	0.576061
<i>Gm21747</i>	chr18:10781722-10785883	1.3081	1.1632	-0.1693	0.816452
<i>Prob1</i>	chr18:35652166-35655187	0.1835	0.1768	-0.0538	0.852929
<i>Rps19-ps4</i>	chr18:42252397-42252835	1.3549	1.1314	-0.2601	0.603492
<i>NA</i>	chr18:50046739-50047152	1.4708	2.2978	0.6437	0.222046
<i>Ctlf</i>	chr18:75431223-75697696	0.0829	0.0981	0.2415	0.665383
<i>mt-Tn</i>	chrM:5088-5159	4.1039	8.6527	1.0762	0.291139
<i>Ccdc144b</i>	chr3:36007246-36053547	0.0895	0.0508	-0.8169	0.198222
<i>Fam160a1</i>	chr3:85660060-85746266	0.0877	0.1124	0.3581	0.383788
<i>Gm12485</i>	chr3:100680264-100680555	2.3624	2.1510	-0.1353	0.832130
<i>Atg4a-ps</i>	chr3:103644002-103646069	0.2596	0.4246	0.7102	0.150689
<i>Sort1</i>	chr3:108284090-108361511	0.0987	0.0759	-0.3802	0.447546
<i>Fnbp1l</i>	chr3:122538718-122619667	0.0898	0.1084	0.2722	0.612237
<i>Mir186</i>	chr3:157544278-157544349	8.8269	3.3314	-1.4058	0.061544
<i>Spag8</i>	chr4:43651334-43653594	0.2857	0.2530	-0.1756	0.762173
<i>Gm12430</i>	chr4:47453631-47454953	0.4417	0.5805	0.3942	0.506427
<i>Gm12470</i>	chr4:53662295-53663344	0.3149	0.2634	-0.2575	0.778937
<i>Gm11211</i>	chr4:62723515-62727537	1.2724	0.9243	-0.4611	0.412231
<i>Atg4c</i>	chr4:99193933-99259787	0.1317	0.2307	0.8089	0.308601
<i>Mir1957a</i>	chr4:119129778-119129844	4.2821	0.5430	-2.9792	0.119329
<i>Gm12989</i>	chr4:135715867-135716598	0.5696	0.3742	-0.6060	0.287827
<i>Gm13230</i>	chr4:145446739-145450888	0.3394	0.1061	-1.6780	0.093893
<i>Gm26624</i>	chr4:147136277-147457019	0.1171	0.0869	-0.4301	0.341280
<i>Trmt112-ps2</i>	chr4:149457296-149457872	0.8836	0.8291	-0.0918	0.763897
<i>Gm13171</i>	chr4:155502315-155502706	1.3127	0.9894	-0.4080	0.569785
<i>NA</i>	chr4:156130512-156133415	0.1506	0.1131	-0.4137	0.443939
<i>Gm24726</i>	chr10:7848360-7848481	2.7866	5.0295	0.8519	0.271110
<i>4930432B10Rik</i>	chr10:11244789-11281221	0.1440	0.2184	0.6012	0.216208
<i>Perp</i>	chr10:18845070-18857073	0.2111	0.2041	-0.0488	0.928241
<i>Gm17230</i>	chr10:20625634-20629576	0.0909	0.0234	-1.9568	0.212307
<i>n-R5s76</i>	chr10:31317168-31317281	3.2801	3.0737	-0.0938	0.906301
<i>Rtkn2</i>	chr10:67979569-68059740	0.0817	0.0997	0.2883	0.615527
<i>Socs2</i>	chr10:95385361-95417180	0.0541	0.0634	0.2304	0.717910
<i>Lrp1</i>	chr10:127538160-127621148	0.0278	0.0354	0.3496	0.579163
<i>Gm26347</i>	chr10:128435913-128436044	3.0703	2.1990	-0.4815	0.611396
<i>Gm12043</i>	chr11:21370399-21374161	0.0970	0.0389	-1.3181	0.403123
<i>Mir3061</i>	chr11:52126745-52126836	5.9068	2.8326	-1.0603	0.173434
<i>Gm12208</i>	chr11:52405315-52405478	2.4053	1.2298	-0.9677	0.159688
<i>Gm12303</i>	chr11:68035037-68035710	0.6371	0.6266	-0.0240	0.970437
<i>Dnah2</i>	chr11:69420808-69549110	0.0198	0.0202	0.0346	0.979406
<i>Mir467f</i>	chr11:69635399-69635519	3.0327	2.7420	-0.1454	0.800241
<i>Doc2b</i>	chr11:75768965-75796049	0.0992	0.0421	-1.2379	0.187524
<i>Rab11fip4os2</i>	chr11:79670371-79675128	0.6153	0.3395	-0.8577	0.135939
<i>Gm22311</i>	chr11:83764637-83764747	4.0577	3.4442	-0.2365	0.783169
<i>Mir21a</i>	chr11:86584066-86584158	6.6961	3.1441	-1.0906	0.228271
<i>Gm11510</i>	chr11:88432985-88433514	1.3451	1.0402	-0.3708	0.558143
<i>Col1a1</i>	chr11:94936223-94953042	0.0564	0.0507	-0.1534	0.865052
<i>Gm11520</i>	chr11:95310428-95324496	0.5538	0.5253	-0.0761	0.926581
<i>BC030867</i>	chr11:102248881-102265187	0.1806	0.1822	0.0132	0.983270
<i>Gm11628</i>	chr11:102492438-102492609	2.7579	0.7460	-1.8863	0.026488
<i>Ace</i>	chr11:105967944-105989964	0.0737	0.0555	-0.4098	0.711672
<i>Cd300a</i>	chr11:114890040-114904654	0.0616	0.0816	0.4052	0.621401
<i>Cd300ld</i>	chr11:114982273-114989922	0.1203	0.1201	-0.0023	0.998683
<i>Ccdc57</i>	chr11:120826528-120932872	0.1084	0.0921	-0.2364	0.691881
<i>Klhl29</i>	chr12:5077471-5375682	0.0580	0.0286	-1.0166	0.232784
<i>Gm7099</i>	chr12:9429545-9430099	0.8572	0.7991	-0.1013	0.868355
<i>1700030C10Rik</i>	chr12:20814256-20815727	0.2721	0.5487	1.0118	0.243622

NA	chr12:21273303-21273532	2.0640	1.2791	-0.6903	0.236724
<i>Lrr1</i>	chr12:69168813-69179010	0.2769	0.2780	0.0056	0.995389
<i>Serpina3f</i>	chr12:104214543-104221129	0.2252	0.3363	0.5785	0.582174
<i>Bmp6</i>	chr13:38345715-38499728	0.1709	0.1609	-0.0869	0.865275
<i>Mak</i>	chr13:41025119-41079706	0.1247	0.1232	-0.0171	0.972578
<i>Gm17622</i>	chr13:96490732-96491120	7.3954	7.2895	-0.0208	0.978730
<i>Mir3096</i>	chr5:23710990-23711061	4.4927	3.0897	-0.5401	0.538636
<i>Rbm47</i>	chr5:66016548-66173117	0.0666	0.0829	0.3148	0.466169
<i>Adrbk2</i>	chr5:112910477-113015514	0.0586	0.0946	0.6927	0.328079
<i>Gm13822</i>	chr5:114917317-114923277	1.5163	1.4817	-0.0333	0.969964
<i>Gm13830</i>	chr5:115301119-115319208	0.1797	0.1295	-0.4717	0.544263
<i>Gm15607</i>	chr5:135637138-135637496	1.3098	1.6444	0.3282	0.657310
<i>Gm8428</i>	chr6:8377595-8379379	0.2797	0.3357	0.2635	0.712021
<i>Mir29a</i>	chr6:31062659-31062747	4.7592	5.3546	0.1701	0.826959
<i>Gm15527</i>	chr6:54245741-54279076	0.0965	0.1990	1.0449	0.269053
<i>Prdm5</i>	chr6:65778987-65936373	0.0955	0.1040	0.1222	0.867868
<i>Gm15401</i>	chr6:72629287-72637717	0.2183	0.3210	0.5563	0.395559
<i>Gm20594</i>	chr6:79818030-79818364	1.1104	0.1655	-2.7464	0.115824
<i>Gm25178</i>	chr6:88405976-88406301	1.5189	1.2347	-0.2989	0.592828
<i>Mkxn2os</i>	chr6:115583543-115592576	0.1887	0.1288	-0.5508	0.521911
NA	chr6:116173633-116174494	0.6243	0.4718	-0.4042	0.426620
<i>Rassf4</i>	chr6:116633007-116673836	0.0658	0.1015	0.6269	0.315932
<i>Cd4</i>	chr6:124864691-124888221	0.1212	0.1064	-0.1876	0.875710
<i>4933413G19Rik</i>	chr6:128375455-128385144	0.1694	0.1373	-0.3035	0.743338
<i>Clec12a</i>	chr6:129342690-129365303	0.0902	0.0859	-0.0718	0.873837
<i>Clec7a</i>	chr6:129461590-129472777	0.2096	0.4134	0.9795	0.383044
<i>Klra9</i>	chr6:130178752-130193112	0.3841	0.7567	0.9784	0.232760
<i>Gm6654</i>	chr6:146647240-146647588	1.6375	1.2051	-0.4423	0.158065
<i>Myadm</i>	chr7:3289037-3299345	0.1398	0.2899	1.0526	0.132709
<i>Ncr1</i>	chr7:4337723-4345164	0.3118	0.2777	-0.1669	0.864181
<i>Gm15494</i>	chr7:4445696-4471249	2.2669	0.5860	-1.9517	0.091477
<i>Pla2g4c</i>	chr7:13324654-13360672	0.0985	0.0579	-0.7669	0.382391
<i>Cadm4</i>	chr7:24482022-24504539	0.2071	0.1028	-1.0102	0.203530
<i>Cd177</i>	chr7:24743984-24760311	0.1406	0.1418	0.0125	0.989166
<i>Sptbn4</i>	chr7:27356382-27447686	0.0556	0.0341	-0.7058	0.565058
<i>Siglecg</i>	chr7:43408203-43418358	0.0680	0.0766	0.1712	0.778848
<i>Gm6226</i>	chr7:58836792-58837938	0.3185	0.3497	0.1350	0.843639
<i>Gm25282</i>	chr7:75668872-75668956	3.9703	4.5285	0.1898	0.839704
<i>Gm24224</i>	chr7:79352487-79352745	2.1560	2.2262	0.0462	0.943974
<i>9130208D14Rik</i>	chr7:105824222-105831515	0.0607	0.0832	0.4564	0.275272
NA	chr7:120688218-120688323	5.1809	4.5722	-0.1803	0.715236
<i>Il27</i>	chr7:126589009-126594941	0.5729	0.4121	-0.4751	0.439596
<i>Ifitm3</i>	chr7:141009585-141010770	0.5727	0.8666	0.5976	0.577562
<i>Gm10575</i>	chr7:141461480-141467771	0.2646	0.1985	-0.4141	0.591684
<i>Kcnq1</i>	chr7:143107253-143427042	0.1428	0.1033	-0.4674	0.423351
<i>Lrrc8e</i>	chr8:4226826-4237470	0.1060	0.0608	-0.8016	0.377072
<i>1700016D06Rik</i>	chr8:11654920-11678750	0.3635	0.2765	-0.3945	0.552863
<i>1700041G16Rik</i>	chr8:22808274-22808732	1.0615	1.2044	0.1822	0.816314
<i>Tlr3</i>	chr8:45395664-45410608	0.0544	0.0710	0.3844	0.690217
<i>Crfl1</i>	chr8:70493157-70504081	0.3017	0.2332	-0.3715	0.555009
<i>Tppp3</i>	chr8:105467492-105471526	0.3103	0.3363	0.1161	0.707098
<i>Gm10614</i>	chr8:120589530-120593801	0.1598	0.1653	0.0488	0.950170
<i>Il17c</i>	chr8:122422019-122423639	0.6834	0.7936	0.2156	0.644220
<i>Gm23008</i>	chr9:20890756-20890836	6.0648	6.1546	0.0212	0.951185
<i>Gm17545</i>	chr9:22454289-22462062	6.0172	1.7860	-1.7524	0.036986
<i>Adams2</i>	chr9:30942561-30963838	0.0998	0.1164	0.2218	0.813174
<i>C1qtnf5</i>	chr9:44107244-44109187	0.3621	0.2730	-0.4075	0.512288
<i>Gm20444</i>	chr9:44107300-44108960	0.4327	0.1750	-1.3061	0.228178
<i>Gm25558</i>	chr9:50887949-50888055	4.0423	2.2169	-0.8666	0.256623
<i>Dmxl2</i>	chr9:54365157-54501760	0.0373	0.0165	-1.1798	0.304135
<i>Paqr5</i>	chr9:61953480-62026856	0.1072	0.0660	-0.6986	0.469492
<i>Impg1</i>	chr9:80313329-80465438	0.1361	0.2481	0.8666	0.245470
<i>Nek11</i>	chr9:105162466-105395524	0.1314	0.1755	0.4182	0.322128
<i>Tlr9</i>	chr9:106222597-106226876	0.0916	0.0850	-0.1074	0.909741
<i>Xlr</i>	chrX:53777117-53797706	0.1620	0.0619	-1.3873	0.312351
<i>Rab39b</i>	chrX:75572045-75578231	0.1292	0.0972	-0.4095	0.660067
<i>Pin4</i>	chrX:102119446-102127669	0.9593	0.7051	-0.4441	0.380103
<i>Tlr13</i>	chrX:106143203-106160493	0.1046	0.0769	-0.4448	0.635432
<i>Dach2</i>	chrX:113297509-113836386	0.0438	0.0185	-1.2386	0.224983
<i>Mir3112</i>	chrX:134075315-134075397	5.4234	4.7100	-0.2035	0.775765
<i>Lhfp1</i>	chrX:145290358-145349089	0.2048	0.3655	0.8355	0.161111

<i>Gm15131</i>	chrX:150707020-150707615	0.7431	0.4879	-0.6070	0.335160
<i>Gm15246</i>	chrX:169320621-169368190	0.4664	0.1179	-1.9844	0.277602
<i>Acot10</i>	chr15:20665218-20666750	0.2563	0.1438	-0.8341	0.298484
<i>n-R5s39</i>	chr15:39146379-39146487	4.3276	1.6984	-1.3494	0.055621
<i>2010109I03Rik</i>	chr15:74878335-74881704	0.2442	0.2318	-0.0753	0.866240
<i>Nrbp2</i>	chr15:76085594-76090013	0.1567	0.1476	-0.0868	0.921503
<i>Csf2rb</i>	chr15:78325989-78351000	0.0621	0.0897	0.5301	0.567496
<i>Card10</i>	chr15:78775137-78803042	0.0769	0.0770	0.0013	0.998506
<i>Gm6612</i>	chr15:80952504-80952899	1.3320	2.2232	0.7391	0.128185
<i>Plxnb2</i>	chr15:89155548-89171120	0.0712	0.0954	0.4230	0.456370
<i>Trav20</i>	chr14:53863131-53863657	1.4046	0.5100	-1.4616	0.122660
<i>Traj49</i>	chr14:54168685-54168744	7.5376	7.8255	0.0541	0.931883
<i>Gzmc</i>	chr14:56231400-56234656	0.3389	0.2945	-0.2027	0.797357
<i>Loxl2</i>	chr14:69609170-69695833	0.0878	0.0864	-0.0241	0.956071
<i>Hr</i>	chr14:70552211-70573548	0.0573	0.0316	-0.8579	0.244846
<i>Gm5493</i>	chr17:22739943-22751509	0.2356	0.1772	-0.4108	0.330150
<i>Gm10012</i>	chr17:25901855-25902227	1.3189	1.1242	-0.2305	0.627374
<i>Gm15597</i>	chr17:27959614-27965316	0.4508	0.2989	-0.5926	0.379646
<i>Scube3</i>	chr17:28142315-28174852	0.0716	0.0595	-0.2676	0.752406
<i>Cbs</i>	chr17:31612622-31637199	0.1868	0.1703	-0.1333	0.694976
<i>Ncr3-ps</i>	chr17:35180534-35184662	0.8081	0.8080	-0.0001	0.999851
<i>Gm20546</i>	chr17:36248820-36253679	0.2606	0.2017	-0.3695	0.647385
<i>Spats1</i>	chr17:45448936-45474938	0.5245	0.4581	-0.1953	0.531365
<i>Emr4</i>	chr17:55749983-55853662	0.0866	0.0639	-0.4393	0.639073
<i>n-R5s29</i>	chr17:78858933-78859052	4.7768	6.2746	0.3935	0.443835
<i>AU021092</i>	chr16:5211827-5222299	0.3968	0.4303	0.1168	0.582657
<i>Gm7541</i>	chr16:8623185-8623720	0.9245	0.7228	-0.3550	0.554516
<i>Tssk1</i>	chr16:17894202-17895651	0.3627	0.2802	-0.3722	0.505807
<i>Gm9816</i>	chr16:62716952-62718810	0.2818	0.1781	-0.6617	0.224922
<i>Fam3b</i>	chr16:97471049-97504936	0.1974	0.2675	0.4389	0.634003
<i>Batf2</i>	chr19:6140982-6172476	0.1326	0.0795	-0.7382	0.433668
<i>Gm16274</i>	chr19:12568234-12568826	0.8857	0.8064	-0.1353	0.779824
<i>Gldc</i>	chr19:30098448-30175418	0.0978	0.1264	0.3709	0.650220
<i>Tcf7l2</i>	chr19:55741809-55933654	0.0465	0.0361	-0.3653	0.567842
<i>4930439A04Rik</i>	chr1:37329666-37334172	0.5978	0.2104	-1.5063	0.056396
<i>Slc40a1</i>	chr1:45908069-45925594	0.1066	0.1753	0.7173	0.361288
<i>Gm6822</i>	chr1:55160739-55161053	1.3018	1.2894	-0.0138	0.985918
<i>Fn1</i>	chr1:71585522-71653171	0.0841	0.0534	-0.6550	0.589503
<i>Cxcr2</i>	chr1:74153988-74161238	0.1662	0.2242	0.4317	0.662366
<i>Serpine2</i>	chr1:79794196-79858696	0.1332	0.0614	-1.1164	0.201377
<i>Col4a3</i>	chr1:82586920-82722059	0.0417	0.0185	-1.1698	0.135256
<i>Pla2g4a</i>	chr1:149829617-149961290	0.0549	0.0544	-0.0154	0.983889
<i>BC026585</i>	chr1:157458579-157489060	0.2871	0.3628	0.3376	0.511217
<i>Fcgr2b</i>	chr1:170960557-170976547	0.1626	0.2000	0.2985	0.582949
<i>Ifi204</i>	chr1:173747292-173766876	0.2202	0.4060	0.8829	0.150746
<i>Osbpl1a</i>	chr18:12755313-12941841	0.0534	0.0397	-0.4277	0.636361
<i>Gm15333</i>	chr18:39341600-39341964	0.7880	0.5543	-0.5075	0.605596
<i>Pdgfrb</i>	chr18:61045149-61085061	0.0674	0.0434	-0.6373	0.392046
<i>Gm26398</i>	chr2:10504646-10504773	4.0440	2.2830	-0.8248	0.267500
<i>Gm25263</i>	chr2:10509884-10509984	2.0460	0.1807	-3.5010	0.302731
<i>Adamsl2</i>	chr2:27079378-27108981	0.0770	0.0570	-0.4338	0.470276
<i>Ak8</i>	chr2:28700163-28813165	0.2483	0.0580	-2.0979	0.017985
<i>Stom</i>	chr2:35313985-35336976	0.1542	0.2705	0.8108	0.106120
<i>Gm13428</i>	chr2:36137338-36137703	0.8859	1.1684	0.3993	0.665625
<i>Gm13543</i>	chr2:37672207-37673003	0.7451	0.7876	0.0801	0.858625
<i>Gm13594</i>	chr2:65238755-65239675	1.2398	1.0339	-0.2620	0.479945
<i>Gm13709</i>	chr2:73370908-73379297	0.8399	0.7994	-0.0713	0.897129
<i>Gm14425</i>	chr2:74855705-74856311	0.8194	0.5759	-0.5086	0.348924
<i>Gm13651</i>	chr2:77291330-77292440	0.4083	0.2818	-0.5350	0.291338
<i>Pacsin3</i>	chr2:91255953-91264679	0.1000	0.0684	-0.5473	0.356088
<i>ltpa-ps1</i>	chr2:94384501-94385098	0.6657	0.7435	0.1595	0.817205
<i>Gm24644</i>	chr2:104040668-104040807	3.8878	2.7824	-0.4826	0.392196
<i>Gm13961</i>	chr2:111182634-111187406	0.0859	0.1106	0.3641	0.480610
<i>Il1b</i>	chr2:129364569-129371139	0.3097	0.4257	0.4590	0.653763
<i>Gm14051</i>	chr2:132144532-132220250	0.8834	1.0679	0.2736	0.771403
<i>Zfp345</i>	chr2:150470990-150485091	0.0982	0.0405	-1.2776	0.332057
<i>Mir695</i>	chr2:155356816-155356925	2.2071	0.1631	-3.7580	0.257078
<i>4930405A21Rik</i>	chr2:156714539-156720909	0.4981	0.5776	0.2136	0.722182
<i>Mir3474</i>	chr2:158638582-158638640	6.3544	8.9342	0.4916	0.517754
<i>NA</i>	chr3:32365774-32367436	0.3425	0.3740	0.1268	0.716491
<i>Gm12564</i>	chr3:37556182-37556503	1.7821	1.4264	-0.3212	0.363718

<i>Mgarp</i>	chr3:51388414-51396738	0.1397	0.0964	-0.5341	0.666926
<i>Hist2h3c2</i>	chr3:96238109-96239127	0.4150	0.3946	-0.0724	0.923837
<i>Gm12517</i>	chr3:108602390-108602815	1.0381	1.3410	0.3693	0.334703
<i>Npnt</i>	chr3:132881744-132950291	0.0762	0.0514	-0.5691	0.742960
<i>Slc9b2</i>	chr3:135307699-135342767	0.1829	0.1460	-0.3253	0.677812
<i>Gm26857</i>	chr4:3678116-3689548	0.1268	0.1002	-0.3401	0.707090
<i>Gm26254</i>	chr4:31998623-31998741	3.6946	2.6442	-0.4826	0.577990
<i>Mir207</i>	chr4:40722916-40722995	5.4138	2.7680	-0.9678	0.098247
<i>Gm24837</i>	chr4:41211501-41211582	4.9571	2.7113	-0.8705	0.223333
<i>Car9</i>	chr4:43506965-43513729	0.2726	0.3205	0.2336	0.626108
<i>Gm11210</i>	chr4:62705980-62725737	1.3381	1.0354	-0.3700	0.475962
<i>Gm11224</i>	chr4:69954165-69955276	0.2601	0.0667	-1.9634	0.191997
<i>Gm12891</i>	chr4:122925832-122926072	1.3916	1.6069	0.2076	0.739900
<i>NA</i>	chr4:129219456-129219544	4.3547	3.3326	-0.3859	0.618879
<i>6030445D17Rik</i>	chr4:136462249-136463977	0.2744	0.3063	0.1587	0.760468
<i>Tmem51</i>	chr4:142030991-142084304	0.2189	0.1568	-0.4814	0.490891
<i>Gm13142</i>	chr4:147102326-147103981	0.3543	0.1372	-1.3685	0.061473
<i>Gm13151</i>	chr4:147305673-147333734	0.1169	0.0258	-2.1773	0.222810
<i>Oit3</i>	chr10:59422957-59441778	0.0704	0.1841	1.3859	0.015094
<i>Atcayos</i>	chr10:81194608-81210877	0.0679	0.1369	1.0127	0.198510
<i>Dram1</i>	chr10:88322803-88379080	0.1407	0.2223	0.6596	0.288891
<i>Kif5a</i>	chr10:127225695-127263363	0.0483	0.1053	1.1240	0.078875
<i>Mir3060</i>	chr11:4139363-4139446	4.1542	6.1579	0.5679	0.205303
<i>Gm22121</i>	chr11:44469012-44469066	4.4917	11.5681	1.3648	0.067596
<i>Ebf1</i>	chr11:44617316-45008091	0.0264	0.0492	0.9002	0.208006
<i>1700016K19Rik</i>	chr11:75999911-76003569	0.4861	0.7570	0.6389	0.066245
<i>Evpl</i>	chr11:116220558-116238077	0.0461	0.0681	0.5648	0.477653
<i>4933406C10Rik</i>	chr12:32919383-32953789	0.1158	0.1628	0.4917	0.520694
<i>Smoc1</i>	chr12:81026807-81186414	0.0225	0.1612	2.8395	0.322302
<i>Gm26623</i>	chr12:83620209-83621174	0.1338	0.4264	1.6718	0.187186
<i>Gm19898</i>	chr12:99245670-99245921	1.0983	1.7465	0.6692	0.238505
<i>Igha</i>	chr12:113258767-113260236	0.2146	0.2269	0.0805	0.961641
<i>Ighg3</i>	chr12:113359664-113361232	0.0001	0.2186	11.0940	0.355918
<i>Dsp</i>	chr13:38151327-38198577	0.0346	0.0930	1.4282	0.103407
<i>Gm4149</i>	chr13:75644863-75645226	1.2889	1.1073	-0.2191	0.685237
<i>Gm6044</i>	chr5:64320255-64320754	0.7498	1.0383	0.4697	0.558374
<i>Gm24840</i>	chr5:123628200-123628347	2.3379	5.2338	1.1626	0.001737
<i>Cyp3a13</i>	chr5:137892931-137921619	0.0528	0.2051	1.9570	0.084283
<i>Mir106b</i>	chr5:138165736-138165818	4.8347	7.1504	0.5646	0.130124
<i>Flt3</i>	chr5:147330740-147400489	0.0311	0.0798	1.3578	0.075943
<i>Igkv14-111</i>	chr6:68256403-68256869	1.1484	2.1742	0.9209	0.139508
<i>Klra14-ps</i>	chr6:130149105-130160748	0.2312	0.9135	1.9821	0.065205
<i>Rps4l</i>	chr6:148354655-148355598	0.0551	0.3661	2.7319	0.211767
<i>Cox6b2</i>	chr7:4751791-4753094	0.3607	0.4779	0.4057	0.408841
<i>Dgat2</i>	chr7:99153662-99182713	0.1435	0.2762	0.9447	0.014046
<i>Hbb-bs</i>	chr7:103826533-103828096	0.2349	0.3363	0.5176	0.628344
<i>Olfir524</i>	chr7:140201742-140202800	0.2249	0.6787	1.5936	0.086864
<i>Pkd1l2</i>	chr8:116995678-117082449	0.0358	0.0710	0.9862	0.122227
<i>Cpne7</i>	chr8:123117373-123135182	0.0738	0.1250	0.7595	0.298572
<i>Gm26870</i>	chr9:3000281-3038313	0.0174	0.1142	2.7180	0.315924
<i>Gm10718</i>	chr9:3023546-3025218	0.0001	0.2653	11.3735	0.355918
<i>Gm10717</i>	chr9:3025416-3033289	0.0197	0.1040	2.4013	0.257310
<i>Gm16218</i>	chr9:65297531-65297919	1.1755	1.8922	0.6868	0.055001
<i>Esyt3</i>	chr9:99309966-99358530	0.1069	0.1559	0.5445	0.211130
<i>Gm7598</i>	chrX:38476460-38482486	0.1563	0.1408	-0.1508	0.752729
<i>Xlr3a</i>	chrX:73086292-73097095	0.0079	0.0583	2.8820	0.373465
<i>Dusp9</i>	chrX:73639418-73643514	0.1294	0.1952	0.5929	0.228276
<i>Awat2</i>	chrX:100402220-100442717	0.2527	0.2304	-0.1333	0.814677
<i>Gm7117</i>	chrX:105725127-105725532	0.6933	1.7130	1.3050	0.022839
<i>Gm15228</i>	chrX:167164096-167171278	0.1316	0.1276	-0.0449	0.934522
<i>Cacna1i</i>	chr15:80287237-80398279	0.0182	0.0446	1.2884	0.117417
<i>Smc1b</i>	chr15:85064690-85131957	0.1124	0.0998	-0.1717	0.687947
<i>Gm21738</i>	chr14:19415856-19418930	0.0214	0.5583	4.7036	0.247142
<i>Trav3-1</i>	chr14:52580706-52581213	1.2064	1.4866	0.3013	0.642510
<i>Rem2</i>	chr14:54476099-54480431	0.1019	0.2519	1.3059	0.165198
<i>Syngap1</i>	chr17:26941451-26970645	0.1079	0.1539	0.5115	0.088644
<i>Fgd2</i>	chr17:29360913-29379660	0.0670	0.1514	1.1762	0.059872
<i>NA</i>	chr17:34952239-34952309	5.8547	9.1391	0.6425	0.153465
<i>Gm25706</i>	chr17:80196157-80196404	1.5212	1.5613	0.0376	0.951918
<i>Tnp2</i>	chr16:10787935-10788655	0.7514	1.2002	0.6756	0.105407
<i>Gm26822</i>	chr16:10827926-10833507	0.1493	0.1887	0.3377	0.510293

Gm15694	chr16:31987177-31987460	1.4491	2.0753	0.5182	0.378627
Scd1	chr19:44394450-44407709	0.0896	0.1786	0.9949	0.259925
Wnt8b	chr19:44493471-44514273	0.1093	0.2222	1.0238	0.005544
Gm973	chr1:59516263-59634508	0.1189	0.1832	0.6236	0.135156
Rufy4	chr1:74125540-74148223	0.1666	0.3067	0.8808	0.278070
Gm8338	chr1:119817762-119818125	0.1833	1.2125	2.7253	0.030605
Il10	chr1:131019844-131024974	0.1826	0.2224	0.2842	0.806075
Fcrla	chr1:170917575-170927583	0.1506	0.2407	0.6770	0.405270
Gm23690	chr1:181813606-181813700	4.1773	5.8574	0.4877	0.216642
Bambi	chr18:3507956-3516404	0.0718	0.1302	0.8586	0.136783
Gm10269	chr18:20682591-20682963	0.8158	1.6072	0.9783	0.175648
Pter	chr2:12924040-13003453	0.1322	0.2215	0.7446	0.043073
Fcnaos	chr2:25607891-25631761	0.2930	0.2924	-0.0031	0.993473
1700026L06Rik	chr2:28692079-28699727	0.5647	0.6855	0.2796	0.471186
Garnl3	chr2:32986365-33131654	0.0288	0.0375	0.3808	0.644155
Galnt3	chr2:66082765-66124994	0.0965	0.1841	0.9317	0.095132
Gm13818	chr2:93794569-93795084	0.7825	0.9905	0.3401	0.507137
Gm10801	chr2:98662236-98664083	0.0946	5.5933	5.8862	0.343814
Gm10800	chr2:98666546-98667301	0.1140	12.7433	6.8049	0.331641
Zfp133-ps	chr2:144459279-144500267	0.1612	0.1277	-0.3358	0.590043
Vmn1r-ps1	chr2:174591229-174591802	0.6112	0.7972	0.3834	0.444869
mt-Tl2	chrM:11670-11741	5.2953	8.2176	0.6340	0.297177
Zc2hc1a	chr3:7503425-7553848	0.0385	0.1138	1.5648	0.220294
Zfp704	chr3:9427010-9610085	0.0301	0.0383	0.3480	0.604472
Mlf1	chr3:67374096-67400003	0.0483	0.1260	1.3845	0.536803
Muc1	chr3:89229056-89233381	0.1420	0.1712	0.2698	0.747791
Adh1	chr3:138260990-138290698	0.1275	0.1977	0.6336	0.407453
Gm16231	chr3:152943312-152943944	0.8873	1.2665	0.5133	0.585189
Gm25445	chr4:53720901-53721200	1.2381	1.0990	-0.1720	0.766099
Gm11212	chr4:63350410-63353846	0.5812	1.4516	1.3206	0.000521
Gm12793	chr4:101341356-101341648	1.1446	2.1987	0.9419	0.081267
Mir761	chr4:109017654-109017730	4.1649	4.3005	0.0462	0.959248
Col9a2	chr4:121039384-121055322	0.0997	0.1112	0.1581	0.865219
Gm13092	chr4:150315176-150315515	0.8815	1.4590	0.7270	0.221768
Epm2a	chr10:11343403-11459644	0.1000	0.1910	0.9327	0.269264
Gm16106	chr10:81504472-81504766	1.1433	1.7601	0.6224	0.398711
Lif	chr11:4257556-4272514	0.0393	0.0848	1.1095	0.248468
Stc2	chr11:31357306-31370074	0.0185	0.1454	2.9712	0.008054
Rhbdl3	chr11:80300911-80355955	0.0785	0.0775	-0.0193	0.975483
Gm11513	chr11:95032758-95038283	0.5697	0.6407	0.1692	0.731526
Ragef11	chr11:98836784-98853697	0.0185	0.1402	2.9206	0.031150
Gcnt4	chr13:96924688-96950912	0.0855	0.0906	0.0835	0.843389
Gm23458	chr5:123360831-123361000	2.0252	3.4566	0.7713	0.221737
Gm25436	chr6:68257393-68257538	1.6178	4.5266	1.4844	0.038727
Gm15773	chr7:12603195-12604643	0.1836	0.3965	1.1107	0.159896
1700069B07Rik	chr7:121707188-121708011	0.5348	0.5428	0.0213	0.974762
NA	chr7:130834436-130834523	3.2183	27.8860	3.1152	0.338589
Syce1	chr7:140777228-140787854	0.0433	0.9573	4.4660	0.346003
Gm16183	chr8:84611201-84617184	0.3428	0.5378	0.6495	0.074638
Eepd1	chr9:25481546-25604110	0.1730	0.2113	0.2889	0.599051
BC049352	chr9:45182006-45250020	0.1049	0.3062	1.5452	0.020785
Gm7613	chr9:59766716-59767203	0.2297	0.6058	1.3994	0.312788
Gm6964	chrX:85793683-85794120	0.8474	1.0490	0.3078	0.590723
Gm26020	chrX:105819882-105820065	2.5791	4.2251	0.7121	0.115518
Phldb2	chr16:45746242-45953598	0.0470	0.0981	1.0630	0.255283
Rpl12-ps1	chr1:36957929-36958427	0.8705	0.7752	-0.1673	0.744061
Ppfa4	chr1:134296782-134332928	0.0481	0.0911	0.9202	0.113229
Gm16701	chr1:166974023-167000841	0.0877	0.2819	1.6849	0.009051
Eif3j2	chr18:43475417-43477836	0.2349	0.2573	0.1312	0.788264
Gm13219	chr2:9352430-9447676	0.0637	0.0949	0.5756	0.460216
Gm26491	chr2:10475499-10475620	2.9268	2.8916	-0.0175	0.976185
Lgr4	chr2:109917646-110014257	0.0525	0.0505	-0.0568	0.946553
Gm21596	chr2:113919246-113920562	0.3670	0.5013	0.4500	0.111678
Gm13991	chr2:116527842-116528490	0.3488	1.0758	1.6250	0.029602
Rps12-ps10	chr2:122219992-122220391	1.1309	1.3763	0.2833	0.526999
Gm22334	chr2:155652891-155653024	3.1454	3.7455	0.2519	0.564173
Vcam1	chr3:116110019-116129688	0.0775	0.1255	0.6947	0.415737
Gm12933	chr4:126665253-126666125	0.1797	0.2772	0.6250	0.687373
Rdh1	chr10:127759720-127768297	0.0810	0.1254	0.6310	0.241836
BC049762	chr11:51253650-51263046	0.2464	0.4678	0.9247	0.112134
Ccl9	chr11:83572918-83578636	0.0646	0.2478	1.9400	0.078576

<i>Rnu1a1</i>	chr11:87422866-87423030	1.9394	2.5518	0.3959	0.536901
<i>Gm22059</i>	chr11:98710985-98711089	1.4535	4.0364	1.4735	0.205550
<i>Fam150b</i>	chr12:30884321-30893854	0.1991	0.5092	1.3550	0.094362
<i>Gm2830</i>	chr13:54499704-54500089	1.1542	1.1322	-0.0278	0.953883
<i>Zfp934</i>	chr13:62517499-62520544	0.2742	0.4000	0.5447	0.165686
<i>Gm5864</i>	chr5:32420002-32420972	0.3396	0.3892	0.1964	0.809855
<i>Cxcl10</i>	chr5:92346637-92348889	0.2711	0.5401	0.9944	0.102454
<i>Gm8258</i>	chr5:104775910-104776824	0.2965	0.8761	1.5632	0.113359
<i>Vsig10</i>	chr5:117319265-117355005	0.0428	0.0850	0.9896	0.423219
<i>Prrt4</i>	chr6:29169231-29179584	0.0673	0.1285	0.9333	0.106258
<i>9130019P16Rik</i>	chr6:54269680-54430221	0.0412	0.0857	1.0543	0.134630
<i>4930583K01Rik</i>	chr7:118243864-118245551	0.1531	0.6751	2.1403	0.129856
<i>NA</i>	chr7:144914470-144914541	2.8624	3.7892	0.4047	0.743323
<i>Efnb2</i>	chr8:8617433-8660773	0.1121	0.1616	0.5281	0.214536
<i>Nqa1</i>	chr8:107388224-107403206	0.2244	0.2923	0.3811	0.687076
<i>Rpl19-ps12</i>	chrX:6071221-6071812	0.9319	0.8588	-0.1178	0.777942
<i>Rgag4</i>	chrX:102066543-102071304	0.0609	0.1351	1.1486	0.058567
<i>Gm2093</i>	chr15:3996038-4015858	0.1426	0.1340	-0.0896	0.829681
<i>Ly6i</i>	chr15:74979811-74983430	0.2915	0.6468	1.1501	0.024001
<i>Apol7c</i>	chr15:77524866-77533315	0.1558	0.3606	1.2113	0.155777
<i>Hspa1b</i>	chr17:34956435-34959238	0.0120	0.0892	2.8911	0.375954
<i>Vegfa</i>	chr17:46016992-46032377	0.0756	0.1625	1.1045	0.081654
<i>Gm9961</i>	chr16:11901362-11930600	0.3984	0.4264	0.0979	0.932622
<i>Gm15799</i>	chr16:18937400-18937689	0.8359	1.3788	0.7220	0.336724
<i>Gm8974</i>	chr19:46205379-46205858	0.7091	0.9501	0.4221	0.338434
<i>Acmsd</i>	chr1:127729412-127767564	0.1230	0.2050	0.7363	0.239724
<i>Gm8618</i>	chr1:134109367-134109799	1.0232	1.3522	0.4022	0.151789
<i>Mir1927</i>	chr1:160295863-160295972	4.7889	5.3577	0.1619	0.627540
<i>Gm26801</i>	chr1:177429046-177443270	0.3851	0.2985	-0.3675	0.441588
<i>Bloc1s2-ps</i>	chr2:52619731-52620601	0.3429	0.3965	0.2096	0.786921
<i>Btbd18</i>	chr2:84659078-84666306	0.0640	0.2053	1.6828	0.427166
<i>Tcp11l1</i>	chr2:104657287-104712169	0.0289	0.0710	1.2998	0.197821
<i>Gm11687</i>	chr2:144142487-144143373	0.4339	0.4091	-0.0850	0.864529
<i>Gm14277</i>	chr2:157168819-157169179	0.9742	1.5220	0.6436	0.321404
<i>Gm6570</i>	chr3:87679650-87679998	0.9677	1.9002	0.9735	0.071398
<i>Gm9387</i>	chr3:128953781-128955098	0.2190	0.2336	0.0928	0.912622
<i>Gm12460</i>	chr4:51190106-51190463	0.3378	1.3805	2.0310	0.013874
<i>Gm22300</i>	chr4:56913641-56913767	1.5737	4.4904	1.5127	0.021908
<i>C630043F03Rik</i>	chr4:72201347-72215352	0.1465	0.2617	0.8374	0.043433
<i>Rps15a-ps4</i>	chr4:132220045-132220437	0.6577	1.0217	0.6355	0.342101
<i>Ccnd3-ps</i>	chr4:139345299-139346180	0.5477	0.5798	0.0820	0.822090
<i>Plch2</i>	chr4:154983114-155056784	0.0142	0.0611	2.0998	0.029384
<i>Aifm2</i>	chr10:61715262-61739260	0.0612	0.1119	0.8701	0.232322
<i>Gm26359</i>	chr10:67235860-67235961	2.6973	3.3248	0.3017	0.788041
<i>Gipc3</i>	chr10:81337761-81343266	0.4438	0.5388	0.2798	0.334286
<i>Aldh1l2</i>	chr10:83487449-83534140	0.0421	0.0522	0.3100	0.733070
<i>Gm6283</i>	chr10:127313148-127314148	0.5334	0.6793	0.3489	0.207209
<i>Pla2g3</i>	chr11:3488283-3499350	0.0846	0.1694	1.0011	0.356879
<i>Gm12186</i>	chr11:48996686-48997713	0.3204	0.3437	0.1012	0.923167
<i>Gm12259</i>	chr11:58865964-58867154	1.4178	1.4642	0.0464	0.910423
<i>Gm12267</i>	chr11:60449209-60449970	0.5109	0.5130	0.0060	0.993838
<i>Cldn7</i>	chr11:69964778-69967885	0.2220	0.3677	0.7279	0.104778
<i>Zmynd15</i>	chr11:70459432-70466202	0.0327	0.0633	0.9515	0.446526
<i>Gm22611</i>	chr11:76974085-76974235	2.2764	2.7068	0.2498	0.735172
<i>AU040972</i>	chr11:79481718-79484031	0.3564	0.4441	0.3172	0.710053
<i>Myo1d</i>	chr11:80482125-80780025	0.0421	0.0779	0.8881	0.427309
<i>Gm26394</i>	chr11:98999507-98999622	2.5861	3.6861	0.5113	0.559028
<i>Plcd3</i>	chr11:103070303-103101658	0.0888	0.1304	0.5540	0.279395
<i>Gm16045</i>	chr11:117257648-117263437	0.1366	0.1183	-0.2075	0.739315
<i>Gm12586</i>	chr11:121856772-121861227	0.2803	0.3496	0.3191	0.555624
<i>Gm5432</i>	chr12:15817002-15888155	0.1914	0.3424	0.8389	0.395239
<i>2410018L13Rik</i>	chr12:22953996-23010284	0.0081	0.0682	3.0678	0.237289
<i>Lamb1</i>	chr12:31265233-31329644	0.0426	0.0522	0.2922	0.570491
<i>Atxn71os1</i>	chr12:33193993-33228854	0.1332	0.1522	0.1927	0.874502
<i>Gm25970</i>	chr12:65056572-65056658	2.3517	3.8852	0.7243	0.517648
<i>Tnfrsf2</i>	chr12:111442468-111455018	0.0557	0.1265	1.1840	0.302999
<i>Ighv5-17</i>	chr12:113859148-113859616	0.1242	0.9055	2.8658	0.314631
<i>AK157302</i>	chr13:21495222-21497146	0.1279	0.2669	1.0614	0.099676
<i>AK157302</i>	chr13:21495305-21495695	0.6306	1.3164	1.0618	0.099676
<i>Gcm2</i>	chr13:41101426-41109988	0.0663	0.1218	0.8768	0.421380
<i>Gm25109</i>	chr13:94517161-94517275	1.5434	4.3545	1.4964	0.027220

<i>Esm1</i>	chr13:113209658-113218098	0.1214	0.2102	0.7916	0.386231
<i>Fbxl13</i>	chr5:21483846-21645605	0.0679	0.0848	0.3216	0.735773
<i>Gm20432</i>	chr5:25433035-25433285	1.2350	1.7028	0.4634	0.404984
<i>Dpysl5</i>	chr5:30711563-30799375	0.0001	0.0274	8.0988	0.355918
<i>A930011G23Rik</i>	chr5:99297243-99729065	0.0075	0.0335	2.1582	0.167764
<i>NA</i>	chr5:105824510-105832434	0.0522	0.1550	1.5713	0.195413
<i>Mir702</i>	chr5:136991432-136991541	3.2181	4.5579	0.5022	0.350035
<i>1700001J03Rik</i>	chr5:146182449-146185304	0.3569	0.5511	0.6268	0.502531
<i>Rps10-ps4</i>	chr5:147100561-147101053	0.5259	0.6411	0.2857	0.715480
<i>1810059H22Rik</i>	chr5:148953747-148970122	0.0593	0.1842	1.6361	0.034599
<i>Gm8615</i>	chr5:149155445-149156081	0.4728	0.9599	1.0217	0.441104
<i>Alox5ap</i>	chr5:149265057-149288045	0.4363	0.7798	0.8379	0.351006
<i>Ica1</i>	chr6:8630526-8778488	0.0562	0.1484	1.4005	0.312297
<i>2010107G12Rik</i>	chr6:34945277-34979054	0.0516	0.1334	1.3699	0.181533
<i>Rbpsuh-rs3</i>	chr6:46529350-46530922	0.1513	0.3879	1.3585	0.010851
<i>Gm15573</i>	chr6:53045883-53046423	0.2081	0.7151	1.7811	0.089827
<i>Cpne9</i>	chr6:113282306-113305627	0.0363	0.0711	0.9688	0.255225
<i>C3ar1</i>	chr6:122847137-122856161	0.0868	0.1373	0.6619	0.466114
<i>Klra4</i>	chr6:130043730-130067271	0.2913	0.7868	1.4335	0.249319
<i>Dynlt1-ps1</i>	chr6:135349087-135349780	0.5438	0.7133	0.3916	0.466745
<i>Dennd5b</i>	chr6:148988070-149101680	0.0180	0.0436	1.2755	0.221917
<i>Nlrp12</i>	chr7:3221509-3249740	0.0390	0.0856	1.1368	0.397255
<i>Ceacam1</i>	chr7:25461701-25477625	0.0675	0.0846	0.3246	0.718790
<i>Spred3</i>	chr7:29158828-29169841	0.0531	0.0679	0.3557	0.616046
<i>Lgi4</i>	chr7:31059341-31070935	0.0278	0.0845	1.6028	0.154874
<i>Ttll13</i>	chr7:80246375-80260821	0.0813	0.1235	0.6037	0.568661
<i>Gm23479</i>	chr7:98935893-98936015	0.6322	3.9344	2.6378	0.026810
<i>Phox2a</i>	chr7:101818312-101823166	0.0143	0.1183	3.0504	0.261350
<i>Cox6a2</i>	chr7:128205435-128206366	0.2245	0.7826	1.8016	0.052501
<i>Ifitm6</i>	chr7:141015811-141016892	0.2362	0.5180	1.1332	0.440932
<i>Gm10284</i>	chr8:57550298-57551303	0.0752	0.2954	1.9734	0.335261
<i>Cyp4f18</i>	chr8:71988481-72009626	0.1269	0.2481	0.9676	0.178728
<i>Clgn</i>	chr8:83389866-83428552	0.0087	0.0834	3.2524	0.215553
<i>Lyl1</i>	chr8:84701456-84704715	0.2183	0.2355	0.1098	0.842043
<i>Rps6-ps2</i>	chr8:88806390-88807140	0.4914	0.7623	0.6336	0.242997
<i>A330008L17Rik</i>	chr8:99416641-99733438	0.0092	0.0999	3.4486	0.160687
<i>NA</i>	chr8:123859661-123860664	0.1148	0.4807	2.0655	0.098460
<i>Gm16237</i>	chr8:125224399-125227323	0.1963	0.2519	0.3598	0.683483
<i>Pde4a</i>	chr9:21165713-21213248	0.0301	0.0719	1.2587	0.017805
<i>Gm16165</i>	chr9:22669733-22670528	0.1815	0.6312	1.7980	0.194718
<i>Tmem45b</i>	chr9:31426198-31464238	0.1870	0.2128	0.1868	0.826279
<i>Gm684</i>	chr9:51270257-51278554	0.1561	0.2782	0.8341	0.500389
<i>Igdcc4</i>	chr9:65101485-65137940	0.0182	0.0325	0.8372	0.640381
<i>Rnu5g</i>	chr9:65201725-65201841	2.4580	3.8197	0.6360	0.505334
<i>Tln2</i>	chr9:67217086-67559703	0.0230	0.0259	0.1709	0.852056
<i>Irak1bp1</i>	chr9:82829805-82847688	0.1464	0.2613	0.8358	0.195538
<i>Gpr62</i>	chr9:106463972-106465940	0.1851	0.2707	0.5488	0.182067
<i>Gm23232</i>	chr9:114602087-114602192	2.6738	5.4427	1.0255	0.200236
<i>Kcnd1</i>	chrX:7822288-7838280	0.0745	0.0807	0.1147	0.884877
<i>Mir363</i>	chrX:52741692-52741767	6.2052	4.4511	-0.4793	0.473870
<i>Fhl1</i>	chrX:56731786-56793346	0.0228	0.0703	1.6258	0.344319
<i>Pnck</i>	chrX:73655993-73660117	0.1889	0.1969	0.0601	0.914145
<i>Gm14766</i>	chrX:85790872-85791239	0.9020	1.2094	0.4230	0.516608
<i>Gm9003</i>	chrX:94422677-94423295	0.2849	0.8813	1.6290	0.309948
<i>Spin4</i>	chrX:95022506-95026682	0.0579	0.1234	1.0913	0.070318
<i>Gm6238</i>	chrX:104382041-104382506	0.8648	1.3511	0.6437	0.203131
<i>Arl13a</i>	chrX:134187500-134208028	0.2519	0.3188	0.3402	0.484289
<i>Btk</i>	chrX:134542335-134583570	0.0313	0.1005	1.6811	0.218831
<i>Gm15038</i>	chrX:136998041-136998337	0.4701	1.1856	1.3345	0.196785
<i>Tro</i>	chrX:150645303-150657583	0.0286	0.0433	0.5976	0.598725
<i>Phex</i>	chrX:157162074-157415312	0.0592	0.0415	-0.5129	0.598668
<i>Asb11</i>	chrX:164436993-164459170	0.0787	0.1945	1.3058	0.299016
<i>C1qtnf3</i>	chr15:10952331-10980150	0.0448	0.1804	2.0094	0.042878
<i>Angpt1</i>	chr15:42424726-42676977	0.0434	0.0914	1.0733	0.296970
<i>Gm22488</i>	chr15:58146615-58146742	3.3824	5.6585	0.7424	0.385705
<i>Gm22106</i>	chr15:73729163-73729290	1.7755	2.4679	0.4751	0.618879
<i>Abcd2</i>	chr15:91145883-91191807	0.0781	0.0836	0.0985	0.876954
<i>Rapgef3</i>	chr15:97744769-97767972	0.0282	0.0355	0.3341	0.829403
<i>Gm15512</i>	chr14:33365950-33370143	0.0872	0.1553	0.8332	0.434338
<i>Trav7d-3</i>	chr14:52744248-52744839	1.0032	1.0120	0.0126	0.984226
<i>Trav7d-4</i>	chr14:52769752-52770390	0.7213	0.7385	0.0340	0.963524

<i>Trav14d-1</i>	chr14:52855613-52856165	0.7463	0.9819	0.3958	0.601091
<i>Traj61</i>	chr14:54155004-54155076	2.6930	4.9024	0.8643	0.525229
<i>Traj55</i>	chr14:54161438-54161501	6.6386	7.0358	0.0838	0.882299
<i>Mir687</i>	chr14:73206762-73206851	2.3680	5.3801	1.1840	0.253535
<i>Ccdc122</i>	chr14:77036771-77112257	0.0984	0.2592	1.3968	0.025073
<i>Scel</i>	chr14:103513340-103613346	0.0640	0.0972	0.6038	0.603518
<i>Gm15425</i>	chr17:8564257-8568860	0.0590	0.1440	1.2868	0.338874
<i>Vmn2r-ps121</i>	chr17:19453324-19454522	0.2741	0.3691	0.4295	0.707629
<i>Pi16</i>	chr17:29318876-29329413	0.0805	0.1667	1.0511	0.326911
<i>Glp1r</i>	chr17:30901866-30936510	0.1041	0.2757	1.4052	0.399311
<i>Ephx3</i>	chr17:32183769-32189549	0.0457	0.0975	1.0927	0.498029
<i>Gm25744</i>	chr17:34952012-34952075	6.1612	7.8653	0.3523	0.476724
<i>Gm9840</i>	chr17:35935461-35935963	0.4846	0.7763	0.6798	0.462240
<i>Sema6b</i>	chr17:56123084-56140343	0.0844	0.1249	0.5666	0.371582
<i>C3</i>	chr17:57203969-57228136	0.0443	0.0968	1.1262	0.313206
<i>Gm10343</i>	chr16:10801368-10801716	1.4948	1.3200	-0.1793	0.574715
<i>Fgd4</i>	chr16:16416916-16600549	0.0153	0.0202	0.4007	0.709247
<i>Igll1</i>	chr16:16860670-16863985	0.0001	0.1474	10.5260	0.355918
<i>Tctex1d2</i>	chr16:32419701-32429099	0.1456	0.3556	1.2879	0.075646
<i>Cd80</i>	chr16:38458932-38486933	0.1235	0.2504	1.0199	0.245578
<i>Ccdc80</i>	chr16:45093401-45127924	0.0001	0.0766	9.5815	0.251753
<i>Gm23513</i>	chr16:52105014-52105147	1.7139	3.0467	0.8300	0.340875
<i>Olfr172</i>	chr16:58760151-58761240	0.3616	0.5244	0.5362	0.252073
<i>Olfr173</i>	chr16:58796778-58797942	0.2707	0.4445	0.7158	0.429866
<i>Epha3</i>	chr16:63543537-63864158	0.0149	0.0461	1.6317	0.395971
<i>Sema4c</i>	chr1:36548641-36558349	0.0337	0.0526	0.6432	0.661456
<i>Gm16107</i>	chr1:52873136-52873998	0.2777	0.5123	0.8833	0.279849
<i>Ccdc150</i>	chr1:54250682-54368727	0.0742	0.1216	0.7124	0.335988
<i>4930558J18Rik</i>	chr1:57359221-57377504	0.0852	0.1484	0.7993	0.544203
<i>Slc11a1</i>	chr1:74375202-74386062	0.0848	0.1053	0.3127	0.756851
<i>Col4a4</i>	chr1:82452557-82586849	0.0386	0.0628	0.7014	0.370593
<i>Gm15433</i>	chr1:84963668-84964559	0.0945	0.2918	1.6262	0.417284
<i>Gm10552</i>	chr1:85604084-85611896	0.2848	0.5061	0.8292	0.231706
<i>Espnl</i>	chr1:91322074-91348306	0.0644	0.0645	0.0037	0.995570
<i>Klhl30</i>	chr1:91351015-91362416	0.0892	0.0842	-0.0821	0.943580
<i>Cacna1e</i>	chr1:154392518-154725920	0.0149	0.0366	1.3026	0.296647
<i>Lhx4</i>	chr1:155698035-155742120	0.0284	0.0627	1.1446	0.244482
<i>Selp</i>	chr1:164115263-164150026	0.0746	0.1329	0.8338	0.026043
<i>Gm6286</i>	chr1:166945596-166946358	0.4816	0.7494	0.6380	0.143968
<i>NA</i>	chr1:170277375-170285662	0.0861	0.2540	1.5610	0.232738
<i>Mixl1</i>	chr1:180693042-180697034	0.1190	0.1856	0.6406	0.415334
<i>Gm23940</i>	chr19:3490308-3490413	3.0096	3.5497	0.2381	0.848944
<i>Lgals12</i>	chr19:7596659-7607193	0.1247	0.1927	0.6276	0.377975
<i>Cyp17a1</i>	chr19:46667164-46672974	0.1323	0.2049	0.6310	0.538173
<i>Mir133a-1</i>	chr18:10782898-10782985	1.5979	3.8529	1.2698	0.463473
<i>Cabyr</i>	chr18:12741323-12755146	0.1519	0.2219	0.5467	0.478918
<i>Gm16558</i>	chr18:25391800-25392332	0.3926	1.0715	1.4487	0.026270
<i>Alpk2</i>	chr18:65265528-65393888	0.0538	0.0663	0.3014	0.419663
<i>Hsbn1l1</i>	chr18:80229757-80247102	0.2814	0.3253	0.2092	0.816396
<i>Gm13216</i>	chr2:5603570-5604161	0.6963	0.7833	0.1698	0.867354
<i>Skida1</i>	chr2:18040675-18049051	0.0695	0.1051	0.5965	0.317523
<i>Gm14487</i>	chr2:30534728-30539022	0.0916	0.2514	1.4568	0.349482
<i>Gm22516</i>	chr2:31189690-31189814	2.6272	2.5433	-0.0468	0.949560
<i>Gm13495</i>	chr2:51938132-51938669	0.7755	1.0256	0.4033	0.263241
<i>Gm13574</i>	chr2:59991950-59992344	0.8383	1.6405	0.9686	0.136813
<i>Nutm1</i>	chr2:112247947-112259291	0.0949	0.1443	0.6051	0.498163
<i>A430105I19Rik</i>	chr2:118754157-118762661	0.0338	0.1006	1.5728	0.267658
<i>Kcnp3</i>	chr2:127456497-127522094	0.0476	0.1671	1.8120	0.187417
<i>Gm17374</i>	chr2:140152042-140153532	2.4695	4.1653	0.7542	0.322296
<i>Dzank1</i>	chr2:144470556-144527414	0.0224	0.0716	1.6741	0.203042
<i>Dnmt3bos</i>	chr2:153648689-153650286	0.3394	0.7223	1.0897	0.247296
<i>Gm20637</i>	chr2:155546384-155546846	0.4570	1.0720	1.2301	0.165098
<i>Gm11447</i>	chr2:160845612-160846470	0.5488	0.5381	-0.0284	0.961434
<i>Tubb1</i>	chr2:174450694-174457882	0.1975	0.2756	0.4812	0.434694
<i>Gm14306</i>	chr2:176670521-176719085	0.0536	0.1099	1.0358	0.428143
<i>NA</i>	chr3:51906986-51908816	0.2166	0.2235	0.0450	0.942079
<i>P2ry12</i>	chr3:59216270-59262831	0.1385	0.1931	0.4793	0.449744
<i>5330417C22Rik</i>	chr3:108455693-108536526	0.0661	0.0677	0.0346	0.959476
<i>Gm15551</i>	chr3:126667328-126669032	0.5940	1.4483	1.2858	0.272909
<i>Gm15460</i>	chr3:137905008-137905399	0.1973	1.1269	2.5137	0.045561
<i>mt-Ta</i>	chrM:5017-5086	4.5777	3.4911	-0.3909	0.716937

<i>Penk</i>	chr4:4133530-4138819	0.0729	0.4884	2.7442	0.178576
<i>Fam110b</i>	chr4:5644089-6108223	0.0276	0.0498	0.8516	0.240796
<i>Lrrc69</i>	chr4:14623619-14796060	0.1569	0.3308	1.0758	0.376189
<i>Gm24607</i>	chr4:22396569-22396702	1.9113	3.4716	0.8611	0.300676
<i>Aqp7</i>	chr4:41033073-41048139	0.0756	0.2088	1.4655	0.163191
<i>Gm12503</i>	chr4:44092631-44109311	0.0403	0.1713	2.0879	0.051837
<i>Orm1</i>	chr4:63344559-63348163	0.1505	0.8088	2.4261	0.062201
<i>Tlr4</i>	chr4:66827583-66930284	0.0678	0.0702	0.0483	0.948783
<i>Eqtn</i>	chr4:94907266-94928843	0.1744	0.5627	1.6898	0.188465
<i>4930551L18Rik</i>	chr4:95089082-95091419	0.0498	0.2934	2.5581	0.393890
<i>Gm12788</i>	chr4:98352426-98352734	0.2250	0.6698	1.5736	0.495223
<i>Gm12795</i>	chr4:101362176-101362890	0.6356	0.7889	0.3116	0.635089
<i>BC055111</i>	chr4:106590908-106617241	0.1191	0.2218	0.8964	0.383336
<i>NA</i>	chr4:111807357-111808426	0.2858	0.3800	0.4113	0.655539
<i>Ermap</i>	chr4:119175456-119190011	0.0801	0.0872	0.1231	0.791043
<i>Gm25604</i>	chr4:126860979-126861112	2.7052	4.4653	0.7230	0.430041
<i>Fndc5</i>	chr4:129136998-129144593	0.1479	0.1211	-0.2886	0.680612
<i>Asap3</i>	chr4:136206364-136245216	0.0377	0.0572	0.6020	0.656244
<i>Padi4</i>	chr4:140745864-140774236	0.0553	0.0538	-0.0383	0.969892
<i>Gm13080</i>	chr4:143611657-143612077	0.3550	0.5358	0.5938	0.703770

Supplementary Table 7: Analysis of RNA-seq data from WT and cDKO Tconv cells.

Associated Gene Name	Coordinates Mus musculus Dec 2011	cDKO Average FPKM	WT Average FPKM	WT / cDKO Log2 Fold Change	p-value
<i>Ddx3y</i>	chrY:1260714-1286613	65.4593	0.0374	-10.7746	0.000001
<i>Kdm5d</i>	chrY:897787-943811	31.7559	0.0185	-10.7458	0.000055
<i>Uty</i>	chrY:1096860-1245759	12.5073	0.0119	-10.0363	0.000000
<i>Eij2s3y</i>	chrY:1010542-1028847	30.3897	0.0122	-11.2772	0.002814
<i>Tsix</i>	chrX:103431516-103484957	0.0609	14.0584	7.8497	0.000105
<i>Gm26992</i>	chrX:103422009-103481705	0.1119	31.1044	8.1193	0.000143
<i>Xist</i>	chrX:103460374-103483217	0.0440	39.3345	9.8031	0.000014
<i>Kdm6a</i>	chrX:18162574-18279936	18.3068	28.6074	0.6440	0.000196
<i>Ddit4</i>	chr10:59949674-59951770	56.2957	35.2972	-0.6735	0.000404
<i>Gpr83</i>	chr9:14860209-14870789	7.0624	4.4120	-0.6787	0.000582
<i>a</i>	chr2:154791401-155051012	15.6605	9.2326	-0.7623	0.000010
<i>Rgs3</i>	chr4:62559846-62703018	8.6919	6.1921	-0.4892	0.000181
<i>Igfbp4</i>	chr11:99041243-99054392	182.4541	138.1599	-0.4012	0.000374
<i>Gm9522</i>	chr15:39180510-39181441	7.3217	2.2636	-1.6935	0.006444
<i>Rell1</i>	chr5:63908895-63968905	1.9873	4.0615	1.0312	0.001556
<i>H2-Eb1</i>	chr17:34305882-34316199	12.4354	31.1959	1.3269	0.019013
<i>Gm20417</i>	chr19:5797561-5798549	774.7319	1212.2415	0.6459	0.006629
<i>Kdm5c</i>	chrX:152233019-152274535	24.5214	34.1855	0.4793	0.001204
<i>Fus</i>	chr7:127967456-127982368	10.9863	17.5196	0.6733	0.003678
<i>mt-Nd4</i>	chrM:10166-11544	37.4131	68.4771	0.8721	0.003912
<i>Themis2</i>	chr4:132781842-132796387	1.0162	2.3104	1.1849	0.000341
<i>Comm10</i>	chr18:46958861-47087992	12.8509	8.1612	-0.6550	0.000109
<i>Drc1</i>	chr5:30281387-30366708	11.2098	6.0276	-0.8951	0.001533
<i>Wdfy4</i>	chr14:32959546-33185508	0.7504	1.8764	1.3222	0.017952
<i>Srf</i>	chr17:46546838-46556162	31.6270	24.3407	-0.3778	0.000876
<i>Tmem259</i>	chr10:79974947-79984330	37.4108	29.6103	-0.3374	0.000442
<i>Il4ra</i>	chr7:125552281-125579472	107.8906	87.6872	-0.2991	0.000480
<i>Snord17</i>	chr2:144265978-144266216	1697.3754	1104.6940	-0.6197	0.004020
<i>Fbx14</i>	chr6:119479667-119483886	49.5016	40.0250	-0.3066	0.000174
<i>Aim2</i>	chr1:173350878-173466040	13.2524	18.3848	0.4723	0.001178
<i>Malat1</i>	chr19:5795689-5802672	1710.5370	2385.1345	0.4796	0.009961
<i>Ppp1r12c</i>	chr7:4481519-4501680	41.6634	33.9635	-0.2948	0.000865
<i>Hmgcs1</i>	chr13:119690461-119708086	38.5547	24.2985	-0.6660	0.007593
<i>Vcpip1</i>	chr1:9718621-9748382	10.5589	14.9968	0.5062	0.007493
<i>Ccdc171</i>	chr4:83525544-83864670	4.5795	6.3450	0.4704	0.000112
<i>Palmd2Akap2</i>	chr4:57568178-57896982	2.3877	1.5937	-0.5833	0.001090
<i>Akap2</i>	chr4:57717656-57896984	2.4798	1.6660	-0.5738	0.000959
<i>Neat1</i>	chr19:5824707-5845478	12.8324	19.0548	0.5704	0.020717
<i>Prpf19</i>	chr19:10888155-10909559	19.4059	14.4133	-0.4291	0.003202
<i>Mknl2</i>	chr10:80665331-80671976	129.4449	108.2955	-0.2574	0.000422
<i>mt-Nd1</i>	chrM:2750-3707	465.1625	729.8050	0.6498	0.005904
<i>Bmf</i>	chr2:118528756-118549687	2.8844	1.5900	-0.8593	0.002881
<i>Saraf</i>	chr8:34154562-34170845	312.3110	265.6778	-0.2333	0.000115
<i>Mepce</i>	chr5:137781905-137786715	43.1681	35.6284	-0.2769	0.000978
<i>Adrbk2</i>	chr5:112910477-113015514	0.4066	1.0050	1.3055	0.021961
<i>Fgl2</i>	chr5:21372641-21378374	1.3251	3.3123	1.3218	0.039484
<i>Zbtb7b</i>	chr3:89377643-89394776	56.8854	45.4417	-0.3240	0.003798
<i>Hid1</i>	chr11:115347706-115367756	10.1227	7.5200	-0.4288	0.002845
<i>Agap2</i>	chr10:127078906-127093169	34.9848	29.8597	-0.2285	0.000218
<i>Rgs14</i>	chr13:55369731-55384687	72.6229	58.7221	-0.3065	0.002019
<i>B430218F22Rik</i>	chr13:118386629-118388124	9.4576	5.7767	-0.7112	0.003644
<i>Gm17509</i>	chr13:117218700-117221075	22.9529	17.5398	-0.3880	0.002136
<i>Dnajb1</i>	chr8:83608174-83611902	57.6387	41.0991	-0.4879	0.024347
<i>Crebzf</i>	chr7:90442728-90447717	69.4290	59.4924	-0.2228	0.001999
<i>Lypla2</i>	chr4:135968223-135972626	38.6412	31.5169	-0.2940	0.001201
<i>Hmgb2</i>	chr8:57511842-57515999	2.5951	4.3850	0.7568	0.003476
<i>NA</i>	chr1:6214611-6215292	12.8585	7.4562	-0.7862	0.004582
<i>Jmjd6</i>	chr11:116837431-116843449	24.9955	19.9204	-0.3274	0.006376
<i>1810049J17Rik</i>	chr15:12321437-12321899	78.7317	58.9478	-0.4175	0.004320
<i>Isg15</i>	chr4:156199423-156200818	6.1812	11.2447	0.8633	0.003244
<i>Gramd1a</i>	chr7:31130126-31151050	284.1960	233.8635	-0.2812	0.005118
<i>Tmem229b</i>	chr12:78961794-79007627	29.2393	24.5853	-0.2501	0.000597
<i>mt-Nd2</i>	chrM:3913-4951	39.3326	84.3668	1.1009	0.005833
<i>Irf2</i>	chr8:46739744-46847458	7.6917	11.1801	0.5396	0.007179
<i>Slc9a9</i>	chr9:94669908-95230445	12.8620	18.2027	0.5010	0.019507
<i>Adamts14</i>	chr10:61197111-61273438	3.3314	2.4035	-0.4710	0.000646
<i>Coro1a</i>	chr7:126699772-126707787	702.8962	590.4325	-0.2515	0.002386
<i>Bub3</i>	chr7:131560390-131571898	53.8878	44.3970	-0.2795	0.000715
<i>Asb2</i>	chr12:103321141-103356001	3.0635	5.8133	0.9241	0.023981

<i>Rnf187</i>	chr11:58932287-58938916	88.9781	73.9587	-0.2667	0.001751
<i>Vipr1</i>	chr9:121642715-121672954	58.5511	49.2117	-0.2507	0.004266
<i>Lrrk2</i>	chr15:91673174-91816120	0.2864	0.6105	1.0921	0.030020
<i>Abcb9</i>	chr5:124061529-124095798	10.7924	8.7020	-0.3106	0.002435
<i>Hnrnpa1</i>	chr15:103240431-103244955	9.6483	13.1491	0.4466	0.000445
<i>mt-Nd5</i>	chrM:11741-13565	52.2773	74.8416	0.5177	0.007192
<i>Abhd17a</i>	chr10:80583648-80590341	36.4483	27.8565	-0.3878	0.006595
<i>Atp6v0b</i>	chr4:117884325-117887333	28.3249	23.6229	-0.2619	0.000001
<i>Tbxa2r</i>	chr10:81328731-81335171	29.6490	22.9591	-0.3689	0.006201
<i>Tbc1d15</i>	chr10:115197876-115251493	7.1807	10.1177	0.4947	0.012008
<i>Trim25</i>	chr11:88999375-89020293	13.3876	18.2642	0.4481	0.019161
<i>Ezh2</i>	chr6:47530273-47595341	5.8592	7.6792	0.3903	0.003838
<i>Trim28</i>	chr7:13024151-13031035	69.2395	59.8082	-0.2113	0.001190
<i>Chtf8</i>	chr8:106883862-106893601	60.4198	52.3858	-0.2058	0.000104
<i>Arrdc3</i>	chr13:80883383-80896035	10.1318	15.3199	0.5965	0.025092
<i>Dnajc6</i>	chr4:101496647-101642799	5.1496	3.7632	-0.4525	0.008874
<i>Gm20645</i>	chr11:23736846-23740357	4.4232	6.1378	0.4726	0.001329
<i>Orai2</i>	chr5:136147463-136170656	48.1667	40.9174	-0.2353	0.001756
<i>Mcm2</i>	chr6:88883474-88898780	30.1934	24.7065	-0.2893	0.003318
<i>Zfp771</i>	chr7:127244525-127254803	6.9841	4.5373	-0.6222	0.001394
<i>Anp32e</i>	chr3:95929245-95947390	12.9931	17.4040	0.4217	0.003938
<i>Ctnnb1</i>	chr9:120929215-120960507	93.8645	79.9353	-0.2317	0.003616
<i>A1467606</i>	chr7:127091435-127094049	188.2066	160.4395	-0.2303	0.003303
<i>Tle1</i>	chr4:72117141-72200919	1.1405	1.7248	0.5967	0.004255
<i>Ccnd1</i>	chr7:144929930-144939869	1.8320	3.0145	0.7185	0.011354
<i>Etaa1</i>	chr11:17938755-17953875	5.4417	7.2930	0.4225	0.001042
<i>Ccdc88a</i>	chr11:29373657-29510808	0.4758	0.8314	0.8052	0.005310
<i>Zfp69</i>	chr4:120930136-120951699	1.8080	3.8234	1.0804	0.068797
<i>Mbtd1</i>	chr11:93885851-93946985	4.3322	5.5546	0.3586	0.004921
<i>Nup62</i>	chr7:44816087-44830809	16.0132	12.9361	-0.3079	0.001340
<i>Tsc22d3</i>	chrX:140539527-140600659	109.5629	82.8707	-0.4028	0.023505
<i>Sifn10-ps</i>	chr11:83028129-83040042	4.4939	6.5005	0.5326	0.010597
<i>Cbx8</i>	chr11:119036304-119040969	7.5719	5.0559	-0.5827	0.028958
<i>Idh2</i>	chr7:80094845-80115392	35.2894	28.7821	-0.2941	0.005222
<i>Agpat2</i>	chr2:26593056-26604417	6.2625	4.4574	-0.4905	0.000335
<i>Itgb3</i>	chr11:104607999-104670476	56.7766	46.2850	-0.2948	0.007901
<i>A930038B10Rik</i>	chr14:34759401-34770553	1.0764	0.5689	-0.9200	0.024864
<i>Enthd2</i>	chr11:120090530-120098731	13.5639	11.0427	-0.2967	0.000910
<i>Cdipt</i>	chr7:126976348-126980499	102.8314	87.1523	-0.2387	0.001157
<i>Gm10642</i>	chr9:70656250-70657860	15.7007	11.5650	-0.4411	0.006796
<i>Rpl10a</i>	chr17:28328470-28331032	31.9790	26.7714	-0.2564	0.001180
<i>Tubb4b</i>	chr2:25222159-25224702	42.9646	35.1190	-0.2909	0.003346
<i>Ddx6</i>	chr9:44604891-44640731	38.4228	49.5947	0.3682	0.015506
<i>Itgav</i>	chr2:83724396-83806916	5.3863	8.0735	0.5839	0.031336
<i>NA</i>	chr19:47894597-47919299	32.0318	26.4235	-0.2777	0.008940
<i>Pml</i>	chr9:58218075-58249786	9.7580	14.4593	0.5673	0.044516
<i>Rab1b</i>	chr19:5099206-5106996	61.5185	51.6590	-0.2520	0.001672
<i>Erdr1</i>	chrY:90784737-90816464	3.3067	6.4405	0.9618	0.007335
<i>Ktn1</i>	chr14:47663755-47736563	17.8527	21.8509	0.2916	0.001507
<i>Ndel1</i>	chr11:68821433-68871858	23.0546	19.6339	-0.2317	0.000054
<i>Rabac1</i>	chr7:24969749-24972728	140.3759	115.0145	-0.2875	0.004519
<i>Ccm2</i>	chr11:6546886-6596744	76.2983	67.7998	-0.1704	0.000068
<i>Gm20512</i>	chr7:19715015-19721731	8.9625	5.2128	-0.7818	0.001684
<i>Relt</i>	chr7:100845847-100863446	19.1808	14.8736	-0.3669	0.009929
<i>Hspa8</i>	chr9:40800983-40805200	127.8486	92.8106	-0.4621	0.026987
<i>Pou2f2</i>	chr7:25091908-25159922	0.8040	1.6897	1.0715	0.033791
<i>Srrm2</i>	chr17:23803186-23824739	53.5433	76.6845	0.5182	0.053831
<i>Gjpt1</i>	chr6:87042845-87092197	7.5428	9.6805	0.3600	0.007677
<i>Itgax</i>	chr7:128129546-128150656	1.5185	2.8933	0.9301	0.038916
<i>Actr2</i>	chr11:20062303-20112913	47.7799	61.8583	0.3726	0.006498
<i>Rnf40</i>	chr7:127588697-127603605	51.9246	45.4295	-0.1928	0.002354
<i>Rrp9</i>	chr9:106475962-106485424	23.6091	19.5978	-0.2687	0.001850
<i>Gpkow</i>	chrX:7697130-7710262	8.2771	11.8758	0.5208	0.014923
<i>Slc25a45</i>	chr19:5877807-5885766	27.8359	23.7899	-0.2266	0.000079
<i>Ggt1</i>	chr10:75561603-75586200	6.7019	4.8386	-0.4700	0.023592
<i>Cnn2</i>	chr10:79988583-79996062	331.2183	274.3388	-0.2718	0.007576
<i>Bcap29</i>	chr12:31595353-31634658	5.8167	8.2865	0.5105	0.003594
<i>Lman2</i>	chr13:55343832-55362783	37.6602	31.9746	-0.2361	0.005023
<i>Cxcr4</i>	chr1:128588198-128592293	39.3399	25.4737	-0.6270	0.033823
<i>Pwp2</i>	chr10:78170909-78185149	21.4861	17.7414	-0.2763	0.005569
<i>Ampd1</i>	chr3:103074013-103099714	10.2025	7.1368	-0.5156	0.023869

<i>Tbc1d16</i>	chr11:119143044-119228499	7.9072	6.0951	-0.3755	0.013156
<i>Dusp7</i>	chr9:106368631-106375724	19.0405	15.3304	-0.3127	0.007534
<i>Snn</i>	chr16:11066297-11074983	9.7705	13.7328	0.4911	0.014582
<i>Tgm2</i>	chr2:158116401-158146436	0.8814	1.4243	0.6924	0.000311
<i>Snap29</i>	chr16:17406002-17430826	11.9537	15.3291	0.3588	0.003034
<i>Cd83</i>	chr13:43785106-43803130	2.6752	5.6763	1.0853	0.036172
<i>Nfatc1</i>	chr18:80606204-80713071	9.1205	13.4499	0.5604	0.053556
<i>NA</i>	chr9:106883984-106887000	33.3064	28.1274	-0.2438	0.003784
<i>Lfng</i>	chr5:140607340-140615543	204.4916	178.2084	-0.1985	0.009399
<i>Prr7</i>	chr13:55464266-55473155	11.9252	8.2574	-0.5302	0.008970
<i>Mogs</i>	chr6:83115495-83118898	48.1038	41.5678	-0.2107	0.002717
<i>Irf3</i>	chr7:44997647-45002848	62.6757	55.0003	-0.1885	0.000911
<i>Sit1</i>	chr4:43482080-43483734	88.4241	69.9835	-0.3374	0.009215
<i>Heatr2</i>	chr5:139150222-139186510	11.1550	8.9301	-0.3210	0.004610
<i>Ldb1</i>	chr19:46032592-46045214	133.0500	117.7617	-0.1761	0.001374
<i>Ryr3</i>	chr2:112631354-113217096	0.2560	0.4626	0.8535	0.026080
<i>Fcho2</i>	chr13:98723406-98815449	5.1567	7.3504	0.5114	0.029523
<i>Fem1a</i>	chr17:56256792-56263608	22.4805	19.2611	-0.2230	0.007533
<i>Ddost</i>	chr4:138304729-138312628	59.7018	51.5997	-0.2104	0.001320
<i>Stat2</i>	chr10:128270575-128292849	15.5794	21.0249	0.4325	0.032808
<i>Sp100</i>	chr1:85649987-85709998	52.7683	61.1516	0.2127	0.001607
<i>Csnk1g2</i>	chr10:80622779-80640771	104.7747	91.6534	-0.1930	0.002179
<i>Zfp213</i>	chr17:23556768-23564226	11.1487	8.6883	-0.3597	0.005682
<i>Ms4a4b</i>	chr19:11443552-11463549	121.6202	151.7131	0.3190	0.010705
<i>AI504432</i>	chr3:107039503-107054347	15.3700	19.1737	0.3190	0.013544
<i>NA</i>	chr16:49913192-49915008	10.9222	14.6670	0.4253	0.007683
<i>D130020L05Rik</i>	chr12:101082480-101088927	18.5311	14.8061	-0.3238	0.008334
<i>Scand1</i>	chr2:156311846-156312704	81.1619	61.8918	-0.3911	0.020656
<i>Parvg</i>	chr15:84324025-84342978	45.0560	38.1795	-0.2389	0.004683
<i>Mlec</i>	chr5:115142980-115158179	96.6093	84.1858	-0.1986	0.008644
<i>Mob3a</i>	chr10:80685255-80701820	114.4473	97.8922	-0.2254	0.005143
<i>Abcf2</i>	chr5:24565340-24577467	48.1155	42.1834	-0.1898	0.000259
<i>Cyth3</i>	chr5:143622446-143710250	5.7845	7.8169	0.4344	0.016375
<i>Ltb</i>	chr17:35194438-35196320	423.8971	351.8300	-0.2688	0.013985
<i>Ccdc85b</i>	chr19:5456788-5457397	30.0058	22.1380	-0.4387	0.007854
<i>Poldip3</i>	chr15:83125977-83149384	36.2148	32.0449	-0.1765	0.002087
<i>Gm16091</i>	chr8:72147600-72160855	28.7850	22.4824	-0.3565	0.005970
<i>Gm26561</i>	chr17:70878077-71393284	10.2830	13.8374	0.4283	0.002542
<i>Scyl1</i>	chr19:5758426-5771401	30.5692	26.2658	-0.2189	0.001302
<i>Polr3c</i>	chr3:96711489-96727628	16.1762	21.0292	0.3785	0.006288
<i>Fubp1</i>	chr3:152210457-152236830	93.4895	78.0534	-0.2603	0.019168
<i>Eif2ak2</i>	chr17:78852563-78882573	10.7962	14.7198	0.4472	0.017748
<i>mt-Rnr1</i>	chrM:69-1024	538.3929	1414.5727	1.3936	0.017200
<i>Paqr7</i>	chr4:134496696-134510235	19.1310	16.1368	-0.2456	0.005406
<i>Ppp1r8</i>	chr4:132826928-132843169	27.1435	21.9182	-0.3085	0.008267
<i>Ddit3</i>	chr10:127290773-127296288	18.6630	23.9981	0.3627	0.004113
<i>Fcgrt</i>	chr7:45092992-45103822	5.0537	3.3576	-0.5899	0.004237
<i>Zdhhc7</i>	chr8:120081094-120101482	18.2448	15.2570	-0.2580	0.004466
<i>4632428N05Rik</i>	chr10:60346850-60372684	141.3205	125.6876	-0.1691	0.006170
<i>Pldb1</i>	chr6:136612069-136661928	1.8722	3.3313	0.8314	0.033953
<i>Tmem189</i>	chr2:167642607-167689822	18.7656	16.0419	-0.2263	0.000579
<i>H2-Aa</i>	chr17:34282743-34287827	11.6588	25.8342	1.1479	0.049125
<i>Galnt12</i>	chr4:47091908-47123070	17.7098	14.7184	-0.2669	0.000656
<i>Dvl1</i>	chr4:155847401-155859303	23.9012	20.4030	-0.2283	0.008136
<i>Patz1</i>	chr11:3288873-3309083	20.5998	17.3412	-0.2484	0.010786
<i>Pdlim4</i>	chr11:54054927-54069014	32.5230	24.7318	-0.3951	0.026737
<i>Ddx49</i>	chr8:70292865-70302489	19.3616	16.4248	-0.2373	0.000913
<i>Pygb</i>	chr2:150786734-150831758	33.3294	28.7745	-0.2120	0.005595
<i>Mrpl28</i>	chr17:26123519-26126613	27.6733	22.5959	-0.2924	0.001052
<i>Gadd45b</i>	chr10:80930090-80932204	5.8978	9.7220	0.7211	0.035223
<i>Fbxo33</i>	chr12:59200654-59219725	22.7041	19.4190	-0.2255	0.005555
<i>AU020206</i>	chr7:75769761-75782099	25.7361	44.5689	0.7922	0.073431
<i>Ptpncap</i>	chr19:4154605-4156751	335.9019	269.6475	-0.3170	0.017391
<i>Ocel1</i>	chr8:71371297-71379361	11.3619	9.1178	-0.3174	0.021077
<i>Rbm3</i>	chrX:8138974-8145880	34.4648	27.7730	-0.3114	0.022838
<i>Smndc1</i>	chr19:53379213-53390573	12.3614	15.4296	0.3199	0.000249
<i>Map2k2</i>	chr10:81105914-81124697	26.9722	23.5335	-0.1968	0.000685
<i>Map3k10</i>	chr7:27656374-27674598	4.5527	3.5581	-0.3556	0.000891
<i>mt-Nd6</i>	chrM:13551-14070	33.1085	45.5830	0.4613	0.007305
<i>Pabpc1</i>	chr15:36595660-36608973	36.1972	46.4339	0.3593	0.030485
<i>Cul9</i>	chr17:46500571-46546388	0.9208	1.3014	0.4991	0.012423

<i>Gbp5</i>	chr3:142496933-142522344	7.7118	11.1982	0.5381	0.036884
<i>Pbdc1</i>	chrX:105079755-105117090	4.5290	5.6178	0.3108	0.000095
<i>Reep3</i>	chr10:67009188-67096988	4.7345	6.0849	0.3620	0.002837
<i>Gm10244</i>	chr6:39419886-39421294	6.3339	4.1790	-0.5999	0.004331
<i>Gucd1</i>	chr10:75351110-75517972	21.7060	18.9381	-0.1968	0.003571
<i>Cnga1</i>	chr5:72603695-72642752	4.2154	3.0156	-0.4832	0.019746
<i>Zfp12</i>	chr5:143235162-143248834	14.6190	12.4801	-0.2282	0.004852
<i>Klhl42</i>	chr6:147091378-147112778	20.0885	17.1258	-0.2302	0.009243
<i>Gm13807</i>	chr2:93403546-93417830	5.5385	8.1690	0.5607	0.003378
<i>Pycr2</i>	chr1:180904273-180908087	31.0083	25.6239	-0.2752	0.005444
<i>Wdr44</i>	chrX:23693050-23806025	4.9930	6.2577	0.3257	0.008906
<i>Cstf1</i>	chr2:172370680-172382448	19.6631	16.7218	-0.2338	0.005635
<i>Gnaq</i>	chr19:16132830-16387463	0.7555	1.3499	0.8373	0.047201
<i>Grk6</i>	chr13:55445333-55460925	229.5606	204.3791	-0.1676	0.004689
<i>Farsa</i>	chr8:84856988-84869257	21.3129	18.5060	-0.2037	0.002257
<i>Rad21</i>	chr15:51962604-51991760	40.8834	49.2139	0.2676	0.007376
<i>Prcc2c</i>	chr1:162670724-162740556	32.2159	43.8149	0.4436	0.061501
<i>H2afj</i>	chr6:136808247-136810074	45.1984	35.4407	-0.3509	0.025535
<i>AW549877</i>	chr15:3982035-3995752	17.8859	22.0400	0.3013	0.010256
<i>Cntln</i>	chr4:84884308-85131921	0.6120	1.2128	0.9867	0.044777
<i>Tlr12</i>	chr4:128615445-128618619	4.4427	3.1436	-0.4990	0.022072
<i>Sf3b5</i>	chr10:13008449-13009182	53.2658	41.3436	-0.3655	0.011985
<i>Atp2b1</i>	chr10:98915151-99026143	24.4003	30.7585	0.3341	0.016939
<i>Dynll1</i>	chr5:115297109-115300999	14.4137	11.0102	-0.3886	0.021177
<i>Ank</i>	chr15:27466676-27594909	6.9782	9.3426	0.4210	0.019006
<i>Chd8</i>	chr14:52198150-52237791	21.2815	26.5192	0.3174	0.022856
<i>Decr1</i>	chr4:15917239-15945507	4.0089	5.3258	0.4098	0.005196
<i>Dcun1d2</i>	chr8:13255962-13288126	15.9575	12.9018	-0.3067	0.009731
<i>Cyp2s1</i>	chr7:25802474-25816913	5.6339	4.1478	-0.4418	0.030383
<i>Slc9a3r1</i>	chr11:115163340-115181181	91.1298	79.8818	-0.1901	0.002123
<i>mt-Cytb</i>	chrM:14144-15288	257.3355	460.3210	0.8390	0.010050
<i>Pink1</i>	chr4:138313408-138326307	54.0745	40.3902	-0.4209	0.063806
<i>Gpr180</i>	chr14:118137126-118164232	11.3788	9.4313	-0.2708	0.000461
<i>Enpp4</i>	chr17:44096307-44105809	10.8239	8.5449	-0.3411	0.025503
<i>Bhlhb9</i>	chrX:135885850-135891081	6.4823	8.7021	0.4249	0.016242
<i>5530601H04Rik</i>	chrX:105037196-105079609	2.0682	2.7079	0.3888	0.004497
<i>Tbc1d14</i>	chr5:36490603-36593276	4.9171	6.1935	0.3329	0.014805
<i>Dedd2</i>	chr7:25202839-25219859	42.5197	36.1722	-0.2333	0.008985
<i>Gm15832</i>	chr1:39547569-39552002	5.5880	7.8587	0.4920	0.007247
<i>Mir1893</i>	chr18:6490563-6490646	104.4345	70.6618	-0.5636	0.006875
<i>Gm26566</i>	chr4:88721804-88722842	26.7898	20.5367	-0.3835	0.016191
<i>H2-D1</i>	chr17:35262729-35267499	825.6620	698.3160	-0.2417	0.026660
<i>Kcnn4</i>	chr7:24370262-24385209	144.2102	125.1700	-0.2043	0.014733
<i>Tbc1d9</i>	chr8:83165351-83272934	0.4955	1.0275	1.0522	0.053543
<i>Trim59</i>	chr3:69035287-69044755	13.0041	16.4142	0.3360	0.012167
<i>Slain1</i>	chr14:103650227-103704907	29.4270	25.9398	-0.1820	0.000365
<i>Ppp1r9b</i>	chr11:94991034-95006899	55.6476	47.9292	-0.2154	0.013148
<i>A1480526</i>	chr5:123133722-123141666	8.7934	11.1909	0.3478	0.015490
<i>Mcoln3</i>	chr3:146117458-146141806	3.8915	2.9106	-0.4190	0.002919
<i>Gsk3b</i>	chr16:38089000-38246084	8.5572	10.6349	0.3136	0.010776
<i>Mex3b</i>	chr7:82867332-82871563	13.7729	11.6938	-0.2361	0.000575
<i>Ubash3a</i>	chr17:31207872-31242202	65.6822	58.2722	-0.1727	0.007898
<i>Ctsd</i>	chr7:142371147-142388038	156.6150	138.1847	-0.1806	0.010281
<i>Nol9</i>	chr4:152039320-152061494	17.8178	15.6004	-0.1917	0.001486
<i>Dhx9</i>	chr1:153455757-153487660	29.9488	35.8183	0.2582	0.013386
<i>Gm26551</i>	chr11:51949881-52269514	13.9545	19.5707	0.4880	0.055746
<i>Mapk6</i>	chr9:75369061-75410005	8.3610	10.2808	0.2982	0.009815
<i>Tbl3</i>	chr17:24697948-24707660	10.2418	8.3723	-0.2908	0.021157
<i>Kif13a</i>	chr13:46749086-46929718	0.9051	1.7251	0.9305	0.083836
<i>Gm26591</i>	chr6:120033521-120036471	2.2429	3.4050	0.6023	0.003968
<i>Dusp16</i>	chr6:134715472-134792625	0.5192	0.8429	0.6991	0.009087
<i>Elavl1</i>	chr8:4284781-4325100	14.1906	17.1802	0.2758	0.006985
<i>Sh3gl1</i>	chr17:56016752-56036637	68.1057	57.5440	-0.2431	0.013253
<i>Gart</i>	chr16:91621185-91646952	36.5445	32.2754	-0.1792	0.001449
<i>Prep</i>	chr10:45067205-45158997	16.2545	13.4274	-0.2757	0.011110
<i>Rhobtb2</i>	chr14:69784989-69805530	21.3414	18.6125	-0.1974	0.003884
<i>O610011F06Rik</i>	chr17:25875463-25886007	26.3677	20.7220	-0.3476	0.010437
<i>Flna</i>	chrX:74223460-74249820	314.7423	275.6426	-0.1914	0.020589
<i>Ppm1j</i>	chr3:104781055-104786018	20.7180	16.4040	-0.3368	0.026216
<i>Gm26541</i>	chr10:80681837-80687176	59.7203	52.5473	-0.1846	0.004551
<i>Mgst2</i>	chr3:51660359-51682675	14.3895	17.0440	0.2442	0.000253

<i>Sepn1</i>	chr4:134537891-134552166	0.9707	1.5659	0.6899	0.003160
<i>Tlr7</i>	chrX:167304928-167330558	2.3588	3.8540	0.7083	0.043786
<i>Twf2</i>	chr9:106203107-106215387	96.9150	83.7215	-0.2111	0.006465
<i>Gm9887</i>	chr12:69371834-69372458	22.8815	16.9327	-0.4344	0.014765
<i>Gm26508</i>	chr11:119077572-119081865	34.3555	28.0685	-0.2916	0.014753
<i>Sin3b</i>	chr8:72723287-72758203	31.8273	27.3695	-0.2177	0.008935
<i>Minos1</i>	chr4:139101813-139131113	6.3124	6.6265	0.4506	0.020329
<i>Pex11g</i>	chr8:3457104-3467680	5.4587	7.3477	0.4287	0.018306
<i>Adam23</i>	chr1:63445890-63596515	0.2890	0.6041	1.0637	0.048682
<i>Tdrp</i>	chr8:13952008-13975032	38.0221	30.6512	-0.3109	0.037609
<i>Gm22489</i>	chr1:161035849-161035911	91.0263	135.2647	0.5714	0.005714
<i>2310036O22Rik</i>	chr8:85026832-85030285	168.7675	143.1290	-0.2377	0.013388
<i>Nudt16l1</i>	chr16:4939110-4941020	19.9889	24.8715	0.3153	0.000982
<i>Zfp867</i>	chr11:59461196-59472474	4.3049	5.5554	0.3679	0.000348
<i>Abcb1a</i>	chr5:8660076-8748575	2.4230	3.7995	0.6490	0.036736
<i>Abhd8</i>	chr8:71456699-71463657	74.5226	64.3312	-0.2122	0.009994
<i>Dusp5</i>	chr19:53529108-53542431	16.9389	13.7869	-0.2970	0.014653
<i>Slc7a1</i>	chr5:148327409-148399904	7.2641	10.5876	0.5435	0.056986
<i>Zfp622</i>	chr15:25984365-25998482	30.3320	26.2506	-0.2085	0.004403
<i>Msn</i>	chrX:96096041-96168552	85.0894	112.2361	0.3995	0.036562
<i>Ruvbl2</i>	chr7:45421851-45438096	22.6561	18.2764	-0.3099	0.014893
<i>Mpnd</i>	chr17:56005710-56016790	33.8640	28.8647	-0.2304	0.008876
<i>Ifi203</i>	chr1:173920406-173942672	32.0324	37.2912	0.2193	0.004897
<i>Cxhc1</i>	chr18:74216130-74221491	40.7793	35.7384	-0.1904	0.004374
<i>Dnajc11</i>	chr4:151933690-151982137	7.1366	6.1942	-0.2043	0.001823
<i>Pdlim2</i>	chr14:70164217-70177681	17.1778	14.5582	-0.2387	0.012204
<i>Nsg2</i>	chr11:32004462-32059202	116.6149	98.7281	-0.2402	0.018798
<i>Prmt7</i>	chr8:106210935-106252794	7.2538	6.1831	-0.2304	0.000498
<i>Cdk11b</i>	chr4:155624853-155649938	25.1481	30.3545	0.2715	0.006908
<i>Cope</i>	chr8:70302517-70312993	25.8561	22.0013	-0.2329	0.011405
<i>Abhd15</i>	chr11:77515120-77538607	5.5761	4.3089	-0.3719	0.006293
<i>Mlycd</i>	chr8:119394877-119411102	8.0490	6.5094	-0.3063	0.004414
<i>NA</i>	chr6:115675994-115677136	14.6241	10.9869	-0.4126	0.013565
<i>Dennd3</i>	chr15:73512559-73572242	3.0018	2.3128	-0.3762	0.006890
<i>Top1</i>	chr2:160645887-160722764	12.0811	14.2262	0.2358	0.001872
<i>Exoc6b</i>	chr6:84618486-85069513	3.3549	4.3969	0.3902	0.037990
<i>Nab2</i>	chr10:127660917-127668568	26.4853	22.9177	-0.2087	0.008190
<i>Ttll2</i>	chr15:83571518-83595157	12.8526	10.6213	-0.2751	0.014240
<i>Pitpnb</i>	chr5:111330762-111388359	8.2945	11.0641	0.4157	0.016918
<i>Bop1</i>	chr15:76452995-76477269	39.6492	34.7778	-0.1891	0.005253
<i>Hivep3</i>	chr4:119733783-120138045	0.3271	0.6204	0.9235	0.091115
<i>Ikzf3</i>	chr11:98464901-98546031	10.3819	13.9968	0.4310	0.056964
<i>Snx18</i>	chr13:113592179-113618564	13.7551	11.7101	-0.2322	0.008720
<i>Wipf1</i>	chr2:73429609-73529734	17.0308	22.2621	0.3864	0.061309
<i>Id2</i>	chr12:25093800-25096092	30.9478	45.6252	0.5600	0.071059
<i>Eif3b</i>	chr5:140419304-140443358	34.2073	44.1397	0.3678	0.033086
<i>Ssh1</i>	chr5:113937093-113993894	2.9522	3.8894	0.3978	0.030128
<i>Jpx</i>	chrX:103493557-103506425	0.9328	1.4146	0.6007	0.003720
<i>NA</i>	chr19:8770995-8772475	25.8414	17.6568	-0.5495	0.055379
<i>Slc46a3</i>	chr5:147878436-147894815	6.1902	8.1071	0.3892	0.005736
<i>Tkt</i>	chr14:30548358-30574722	36.9863	32.4163	-0.1903	0.006944
<i>Rtn4rl1</i>	chr11:75193782-75267769	9.7019	8.0794	-0.2640	0.003541
<i>Aig1</i>	chr10:13647053-13868980	1.3394	1.7727	0.4044	0.003309
<i>Gm26577</i>	chr10:21145093-21154374	3.3241	5.0518	0.6038	0.025630
<i>Dusp1</i>	chr17:26505589-26508519	2.9885	5.3771	0.8474	0.156217
<i>Map2k3</i>	chr11:60932032-60952811	3.7828	5.5312	0.5481	0.024366
<i>Xpo1</i>	chr11:23256040-23298249	45.2860	51.4561	0.1843	0.000488
<i>Sash3</i>	chrX:48146435-48161565	213.5637	190.6375	-0.1638	0.006332
<i>Hook1</i>	chr4:95967239-96025413	6.3610	7.7710	0.2888	0.007633
<i>Srsf9</i>	chr5:115327176-115333080	28.1308	23.6874	-0.2480	0.001535
<i>Dok2</i>	chr14:70766035-70778495	32.2503	27.4252	-0.2338	0.011788
<i>Socs1</i>	chr16:10783807-10785536	39.6193	31.8420	-0.3153	0.025603
<i>Rab18</i>	chr18:6765204-6790231	12.4343	15.6482	0.3317	0.007633
<i>Cdh23</i>	chr10:60302747-60696490	1.4528	1.9260	0.4068	0.035446
<i>Mef2a</i>	chr7:67231162-67372858	12.8344	16.2123	0.3371	0.023468
<i>Cmtr2</i>	chr8:110217959-110224489	7.7822	6.3113	-0.3022	0.006327
<i>Gpr22</i>	chr12:31706866-31713947	1.0258	1.6094	0.6498	0.024549
<i>Ctbp1</i>	chr5:33247723-33275004	88.7848	79.4976	-0.1594	0.003045
<i>Traj3</i>	chr14:54217291-54217357	83.5719	121.8293	0.5438	0.002064
<i>Arhgap11a</i>	chr2:113831491-113848661	1.6934	2.3394	0.4662	0.012179
<i>Hivep2</i>	chr10:13966378-14151376	25.3215	31.6638	0.3225	0.047721

<i>Exoc8</i>	chr8:124890299-124897705	15.2858	13.4270	-0.1871	0.004791
<i>Chmp7</i>	chr14:69716978-69732570	21.8107	18.7202	-0.2204	0.008301
<i>Mdm4</i>	chr1:132989844-133025366	46.7853	55.9660	0.2585	0.013742
<i>Cpm</i>	chr10:117629499-117687352	18.2186	15.0700	-0.2737	0.034307
<i>Paf1</i>	chr7:28392950-28399388	33.0301	29.0725	-0.1841	0.003251
<i>Mvd</i>	chr8:122433595-122443422	14.8040	11.8171	-0.3251	0.016288
<i>Bcl2a1b</i>	chr9:89199208-89207827	5.0213	9.6910	0.9486	0.103692
<i>Fyb</i>	chr15:6579870-6663313	67.8579	56.9070	-0.2539	0.051251
<i>Rnaseh2c</i>	chr19:5601872-5603439	34.2967	29.3161	-0.2264	0.002740
<i>Taf1c</i>	chr8:119597974-119605222	16.6235	14.3316	-0.2140	0.009352
<i>Gm14410</i>	chr2:177183452-177206421	4.1536	2.9937	-0.4724	0.014270
<i>Sgol1</i>	chr17:53674785-53689333	1.4727	2.1220	0.5270	0.003141
<i>Ftx</i>	chrX:103560906-103623754	2.4773	3.1433	0.3435	0.004807
<i>Pctp</i>	chr11:89982664-90002894	2.0105	1.2886	-0.6418	0.017556
<i>Dhx58</i>	chr11:100694883-100704271	8.1386	11.8191	0.5383	0.048550
<i>Trem12</i>	chr17:48300037-48312534	54.9534	46.4945	-0.2411	0.036276
<i>Acvr2a</i>	chr2:48814108-48903269	3.6221	4.5436	0.3270	0.003451
<i>Srrm1</i>	chr4:135320483-135353321	11.7037	14.5557	0.3146	0.039309
<i>Art2a-ps</i>	chr7:101552452-101560865	4.3898	8.6310	0.9754	0.164440
<i>Cd74</i>	chr18:60803847-60812646	34.0038	60.8309	0.8391	0.050070
<i>Pip5k1c</i>	chr10:81292962-81319973	20.2160	17.5752	-0.2020	0.014828
<i>Sbk1</i>	chr7:126272618-126294999	27.2026	23.7564	-0.1954	0.022263
<i>Pkm</i>	chr9:59656367-59679375	177.5231	145.7448	-0.2846	0.037814
<i>Asap1</i>	chr15:64086856-64382919	8.2915	11.3400	0.4517	0.075923
<i>Pcca</i>	chr14:122534323-122891100	6.9665	8.4446	0.2776	0.001994
<i>Fam78a</i>	chr2:32050054-32084857	90.8130	79.1584	-0.1982	0.021950
<i>Eya2</i>	chr2:165595031-165771727	6.0644	4.6219	-0.3919	0.017765
<i>Fuz</i>	chr7:44896078-44902631	12.2851	10.5900	-0.2142	0.006708
<i>Ly6c1</i>	chr15:75045016-75048837	81.8268	65.1657	-0.3285	0.034256
<i>Supt20</i>	chr3:54693104-54716837	41.0875	47.8330	0.2193	0.002759
<i>Bcl2l2</i>	chr14:54883376-54888234	0.9943	1.5512	0.6417	0.028084
<i>Samhd1</i>	chr2:157097532-157135265	47.5287	57.3416	0.2708	0.024676
<i>Cirh1a</i>	chr8:106893639-106923093	25.7148	22.4577	-0.1954	0.000268
<i>Gm26695</i>	chr17:23556768-23558313	12.9181	9.9497	-0.3767	0.011136
<i>Rassf5</i>	chr1:131176409-131245258	93.7564	84.9198	-0.1428	0.001391
<i>Xrn1</i>	chr9:95954759-96053027	19.1385	22.5216	0.2348	0.012556
<i>Sjfn9</i>	chr11:82979628-82991830	2.6841	3.9013	0.5395	0.058550
<i>Idnk</i>	chr13:58157648-58164693	48.1478	40.9936	-0.2321	0.015633
<i>Ube2m</i>	chr7:13035119-13038275	38.9110	32.9218	-0.2411	0.015625
<i>Pisd-ps2</i>	chr17:3076577-3084183	6.2226	8.6542	0.4759	0.040171
<i>Slc4a7</i>	chr14:14703024-14799943	10.2358	14.0965	0.4617	0.059360
<i>B3gat2</i>	chr1:23761752-23849158	5.9381	7.2619	0.2903	0.009751
<i>Sjfn5os</i>	chr11:82942340-82960681	8.5992	13.4080	0.6408	0.017949
<i>Uso1</i>	chr5:92137937-92202794	8.1093	10.6489	0.3931	0.047735
<i>Arf5</i>	chr6:28423559-28426602	106.2241	85.2902	-0.3167	0.047293
<i>Nop2</i>	chr6:125131882-125144753	31.2972	27.0351	-0.2112	0.009212
<i>Emc9</i>	chr14:55581515-55585302	37.0480	30.7409	-0.2692	0.030158
<i>Mtch1</i>	chr17:29332071-29347904	19.0464	15.6687	-0.2816	0.042538
<i>Gm20427</i>	chr17:34026033-34031572	62.9680	56.1244	-0.1660	0.005742
<i>Tuba4a</i>	chr1:75214973-75219253	93.5402	77.6029	-0.2695	0.038029
<i>Hes6</i>	chr1:91411482-91414038	21.5527	17.9125	-0.2669	0.013737
<i>Tlk1</i>	chr2:70712406-70825728	25.0854	29.5811	0.2378	0.007322
<i>Pold1</i>	chr7:44532745-44548849	10.0040	8.6694	-0.2066	0.001648
<i>Brwd3</i>	chrX:108737015-108834372	3.8913	4.6733	0.2642	0.011428
<i>Abhd4</i>	chr14:54254128-54269169	1.3617	2.6703	0.9715	0.099834
<i>Cerk</i>	chr15:86139127-86186141	10.8372	9.0787	-0.2554	0.018876
<i>Mtrr</i>	chr13:68560779-68582121	11.2601	9.5494	-0.2377	0.009385
<i>Chpf</i>	chr1:75474568-75479471	8.1336	6.8852	-0.2404	0.002575
<i>Snx9</i>	chr17:5841327-5931033	1.5096	2.4921	0.7232	0.037354
<i>Gm15472</i>	chr3:103863165-103864423	4.0990	6.8600	0.7429	0.031591
<i>Nfkbia</i>	chr12:55489410-55492647	107.5965	131.7374	0.2920	0.034752
<i>Ckb</i>	chr12:111669354-111672338	8.5188	5.4321	-0.6491	0.062742
<i>Ppm1f</i>	chr16:16896468-16927364	19.6202	16.9025	-0.2151	0.018527
<i>Nipbl</i>	chr15:8291224-8444463	57.8015	66.4264	0.2006	0.005330
<i>Gtf2h3</i>	chr5:124579139-124597680	9.0656	7.6444	-0.2460	0.004045
<i>Ssbp4</i>	chr8:70597490-70608314	58.2961	49.3753	-0.2396	0.025595
<i>Gm9725</i>	chr8:81013575-81038584	19.9603	16.8991	-0.2402	0.016689
<i>Itgb7</i>	chr15:102215994-102231935	344.7076	299.3022	-0.2038	0.040332
<i>Mfsd7b</i>	chr1:191005831-191026190	16.0281	13.8840	-0.2072	0.009509
<i>Endog</i>	chr2:30171492-30174069	16.1352	12.6840	-0.3472	0.009025
<i>Ssfa2</i>	chr2:79635351-79672966	5.8560	7.5588	0.3682	0.022054

<i>Nus1</i>	chr10:52417546-52440192	9.7008	11.6944	0.2696	0.005119
<i>Gm16755</i>	chr11:120486338-120488582	5.8645	8.8632	0.5958	0.019092
<i>BC037034</i>	chr5:138259655-138264046	23.4340	20.0377	-0.2259	0.028983
<i>BC037034</i>	chr5:138259657-138264046	25.0188	21.3849	-0.2264	0.029076
<i>Mafk</i>	chr5:139791512-139802653	19.3161	17.0029	-0.1840	0.003349
<i>Tspo</i>	chr15:83563572-83574201	73.9062	60.6226	-0.2858	0.024928
<i>Neu1</i>	chr17:34931252-34935953	20.3274	23.4360	0.2053	0.000677
<i>Mex3a</i>	chr3:88532394-88541396	1.2397	0.8349	-0.5702	0.018112
<i>Phf23</i>	chr11:69995776-70000009	26.8548	23.2333	-0.2090	0.008127
<i>Hnrnpa2b1</i>	chr6:51460433-51469894	132.7058	156.3600	0.2366	0.009312
<i>Fkbp8</i>	chr8:70527723-70535328	63.6868	56.2880	-0.1782	0.018313
<i>Plekha7</i>	chr7:116123492-116308376	2.1009	1.7440	-0.2686	0.000863
<i>Csrp2bp</i>	chr2:144368982-144407676	13.0028	11.3171	-0.2003	0.002633
<i>Z310001H17Rik</i>	chr6:129208411-129237982	6.5906	8.7937	0.4161	0.062831
<i>Sirpa</i>	chr2:129592834-129632228	0.8844	1.5647	0.8230	0.085108
<i>Rnasel</i>	chr1:153749425-153764221	13.0093	15.4445	0.2476	0.011329
<i>Pdk1</i>	chr2:71873223-71903858	93.9200	77.1173	-0.2844	0.059777
<i>Slc15a2</i>	chr16:36750177-36784962	10.7515	7.7523	-0.4718	0.092333
<i>Zbtb20</i>	chr16:42875880-43642602	2.8880	3.8598	0.4185	0.094132
<i>Esrra</i>	chr19:6910976-6921813	13.6129	11.3303	-0.2648	0.014699
<i>Zbtb48</i>	chr4:152019773-152027671	8.5203	6.8896	-0.3065	0.024327
<i>Grccl10</i>	chr6:124739182-124741374	77.2459	62.1963	-0.3126	0.037456
<i>Vasn</i>	chr16:4639940-4650802	4.5780	6.6108	0.5301	0.059598
<i>Hmgxb3</i>	chr18:61131278-61177050	21.2613	18.6171	-0.1916	0.021056
<i>Sla2</i>	chr2:156872456-156887192	37.6489	32.7876	-0.1995	0.009021
<i>Atic</i>	chr1:71557149-71579631	23.9404	21.0386	-0.1864	0.007097
<i>Eef2</i>	chr10:81176630-81182507	1355.7982	1189.8352	-0.1884	0.021979
<i>Tm9sf4</i>	chr2:153161302-153210466	5.8166	6.9965	0.2665	0.008219
<i>Gtf3a</i>	chr5:146948656-146955614	33.2495	29.3535	-0.1798	0.003814
<i>Zfp276</i>	chr8:123254194-123269745	12.7631	10.9858	-0.2163	0.023254
<i>Wdr18</i>	chr10:79960151-79969246	17.4743	15.1129	-0.2095	0.005704
<i>Esrp2</i>	chr8:106130318-106136974	3.0998	4.2289	0.4481	0.042422
<i>Apbb1ip</i>	chr2:22774093-22875653	10.6782	13.3386	0.3209	0.053006
<i>Lrrc8a</i>	chr2:30237714-30282148	21.5015	18.6715	-0.2036	0.024391
<i>Taldo1</i>	chr7:141392198-141402968	67.8236	55.7316	-0.2833	0.042188
<i>Capn1</i>	chr19:5988545-6015825	67.7469	60.7514	-0.1572	0.009368
<i>Whsc1l1</i>	chr8:25601600-25719667	19.1293	22.9663	0.2637	0.033934
<i>Gm12992</i>	chr4:131899477-131920029	6.8895	9.1797	0.4140	0.047340
<i>Pisd-ps1</i>	chr11:3125903-3131004	62.6780	78.3937	0.3228	0.045839
<i>Rps2</i>	chr17:24718115-24721929	121.7831	97.5092	-0.3207	0.048577
<i>Sp6</i>	chr11:97013393-97024734	3.3542	2.3894	-0.4893	0.061311
<i>Ncapp2</i>	chr12:116405401-116463531	1.0859	1.7414	0.6813	0.059324
<i>Samd1</i>	chr8:83997671-84000386	22.2223	18.2639	-0.2830	0.021241
<i>Ist1</i>	chr8:109671321-109693294	62.5538	56.2538	-0.1531	0.002212
<i>Lipa</i>	chr19:34492317-34527474	64.0248	55.2026	-0.2139	0.024514
<i>Smap1</i>	chr1:23844845-23922317	15.3827	18.6944	0.2813	0.018481
<i>NA</i>	chr1:133131179-133131782	23.7470	18.6705	-0.3470	0.006021
<i>Wdr26</i>	chr1:181173227-181211552	33.4594	38.6636	0.2086	0.015613
<i>Slc50a1</i>	chr3:89268245-89270570	66.1256	57.4850	-0.2020	0.017131
<i>Aldh4a1</i>	chr4:139622865-139649690	7.8129	6.5897	-0.2457	0.008558
<i>Utp23</i>	chr15:51877428-51884614	7.2631	5.7692	-0.3322	0.027030
<i>Ccdc141</i>	chr2:77009901-77170636	0.4530	0.6868	0.6003	0.025048
<i>Pld2</i>	chr11:70540063-70558110	0.4939	0.8228	0.7365	0.048078
<i>Tk1</i>	chr11:117815525-117826092	0.9555	1.4346	0.5864	0.040617
<i>Zfp787</i>	chr7:6131488-6155971	8.2871	6.4123	-0.3700	0.015693
<i>Furin</i>	chr7:80388584-80405436	3.4438	4.8176	0.4843	0.074522
<i>Rnf166</i>	chr8:122466146-122476064	58.2563	49.7437	-0.2279	0.026216
<i>Gm26590</i>	chr14:52197501-52213852	17.5234	22.4515	0.3575	0.025628
<i>Tbc1d13</i>	chr2:30133745-30152013	16.0964	14.0914	-0.1919	0.005470
<i>Spata5l1</i>	chr2:122630624-122632930	12.5111	10.1118	-0.3072	0.007323
<i>Ugcg</i>	chr4:59189256-59222833	76.1791	89.3821	0.2306	0.015786
<i>Stard3</i>	chr11:98358367-98381112	15.8065	13.5204	-0.2254	0.013241
<i>Etfa</i>	chr9:55454507-55512243	8.2949	11.0569	0.4146	0.012954
<i>lds</i>	chrX:70343068-70365084	3.6321	4.8328	0.4121	0.034225
<i>Nfia</i>	chr4:97772733-98118874	0.3139	0.5420	0.7880	0.061808
<i>Rsf1</i>	chr7:97579895-97692782	11.3908	13.4173	0.2362	0.014859
<i>Gm26596</i>	chr10:112928500-112931155	5.8644	4.5802	-0.3566	0.016014
<i>H3f3b</i>	chr11:116021911-116027962	70.7842	92.1133	0.3800	0.066186
<i>Noa1</i>	chr5:77294181-77310084	6.9945	5.8687	-0.2532	0.004444
<i>Atn1</i>	chr6:124739188-124756524	28.8511	23.3647	-0.3043	0.043056
<i>Was</i>	chrX:8081452-8090498	81.7088	70.5375	-0.2121	0.022823

<i>Ncl</i>	chr1:86344718-86359455	21.3433	27.3286	0.3566	0.035208
<i>Cblb</i>	chr16:52031548-52208047	14.0819	17.8799	0.3445	0.075140
<i>Tex264</i>	chr9:106658746-106685948	24.6069	21.2104	-0.2143	0.008176
<i>Dohh</i>	chr10:81384427-81391560	10.2278	8.6337	-0.2444	0.006197
<i>Arf6</i>	chr12:69372149-69375979	131.1049	116.0608	-0.1758	0.017160
<i>Gm2245</i>	chr15:6604340-6654303	14.8454	12.6406	-0.2320	0.027681
<i>Gm11532</i>	chr11:97020507-97026248	2.8313	2.0971	-0.4331	0.053931
<i>2410016O06Rik</i>	chr12:83950607-83952953	18.9880	16.3930	-0.2120	0.004782
<i>Tnfrsf9</i>	chr4:150914561-150946102	4.3477	6.4892	0.5778	0.059046
<i>Tomm40</i>	chr7:19701312-19715438	12.4045	10.6249	-0.2234	0.014003
<i>Cog8</i>	chr8:107046288-107056689	23.9762	21.0193	-0.1899	0.012533
<i>Mtbp</i>	chr15:55557407-55626423	3.6010	4.4176	0.2948	0.000678
<i>Mapre2</i>	chr18:23752332-23893861	1.3713	1.8776	0.4533	0.052226
<i>R3hdm1</i>	chr1:128103305-128237735	8.5793	10.5930	0.3042	0.024782
<i>Scarna2</i>	chr3:108554337-108554751	988.8147	862.3368	-0.1974	0.023214
<i>E130307A14Rik</i>	chr10:39621411-39732007	5.2008	6.3495	0.2879	0.015706
<i>Apba3</i>	chr10:81268171-81273246	15.5096	12.9995	-0.2547	0.014945
<i>Nf1</i>	chr11:79339692-79581612	1.4987	1.9491	0.3791	0.047783
<i>Usp32</i>	chr11:84984441-85140161	11.5472	13.6689	0.2434	0.017804
<i>C530050E15Rik</i>	chr13:24631917-24638567	13.1570	18.0507	0.4562	0.101158
<i>Ttc28</i>	chr5:110879802-111289780	1.2128	1.6900	0.4787	0.087254
<i>Klh25</i>	chr7:75848337-75874130	15.8022	13.7191	-0.2039	0.012375
<i>Gtpbp3</i>	chr8:71488102-71499583	8.5122	6.9953	-0.2832	0.036177
<i>G430095P16Rik</i>	chr8:84723006-84726844	26.4291	21.8347	-0.2755	0.000215
<i>Wash</i>	chr17:66111545-66120503	19.1671	16.7244	-0.1967	0.002987
<i>Timmdc1</i>	chr16:38498346-38522663	14.7544	12.2086	-0.2732	0.011208
<i>A1837181</i>	chr19:5425156-5427313	42.1505	35.6713	-0.2408	0.025927
<i>Qrfp</i>	chr2:31806165-31810580	3.4748	2.4020	-0.5327	0.053708
<i>Siah2</i>	chr3:58674937-58692400	5.9004	4.7348	-0.3175	0.011582
<i>Ptpn22</i>	chr3:103859794-103912247	42.0321	49.3648	0.2320	0.020233
<i>2200002D01Rik</i>	chr7:29246560-29248432	5.5184	4.0464	-0.4476	0.008754
<i>Gm9905</i>	chr7:121033251-121035096	5.1061	3.6796	-0.4727	0.023532
<i>Setbp1</i>	chr18:78750379-79109391	0.2632	0.5915	1.1684	0.144914
<i>Dgkz</i>	chr2:91932823-91975864	75.9651	68.7169	-0.1447	0.027247
<i>Ccdc71l</i>	chr12:32378788-32382943	16.1768	14.1544	-0.1927	0.004376
<i>Cdadc1</i>	chr14:59560895-59597836	5.5467	7.9783	0.5245	0.064845
<i>Pik3r1</i>	chr13:101680760-101768217	49.8024	43.4351	-0.1974	0.032206
<i>Rb1</i>	chr14:73183672-7325822	23.0216	26.3741	0.1961	0.005231
<i>Cdc42se1</i>	chr3:95228731-95236409	158.9596	144.8144	-0.1345	0.006494
<i>Srp68</i>	chr11:116245165-116274217	14.4168	17.6962	0.2957	0.014675
<i>Frat1</i>	chr19:41830167-41830809	14.8768	10.7050	-0.4748	0.025758
<i>Pou5f2</i>	chr13:78022912-78026296	1.3904	2.2136	0.6709	0.039512
<i>Grp2</i>	chr15:80623504-80650559	118.6187	102.6248	-0.2090	0.039126
<i>Dock4</i>	chr12:40446052-40846486	0.5515	0.9245	0.7455	0.079427
<i>Gramd3</i>	chr18:56432131-56503792	65.9400	78.1663	0.2454	0.020200
<i>Gm13610</i>	chr2:32232781-32236382	7.2752	10.4882	0.5277	0.048157
<i>Zbtb9</i>	chr17:26973166-26976205	40.2394	35.6898	-0.1731	0.007079
<i>Tmem203</i>	chr2:25255438-25256352	11.2843	8.4915	-0.4102	0.014813
<i>Spef1</i>	chr2:131170260-131187282	2.2137	1.5495	-0.5147	0.009678
<i>Aacs</i>	chr5:125475813-125517412	12.7090	10.6686	-0.2525	0.035504
<i>Spns1</i>	chr7:126370059-126377450	18.1289	15.3186	-0.2430	0.041480
<i>Pmaip1</i>	chr18:66458603-66465550	2.5027	3.6029	0.5257	0.036676
<i>Maf1</i>	chr15:76351293-76354380	69.9910	61.9756	-0.1755	0.016666
<i>NA</i>	chr16:43620876-43623955	2.6477	3.8742	0.5492	0.067660
<i>AW209491</i>	chr13:14630244-14638202	6.0385	4.6139	-0.3882	0.009260
<i>Prmt1</i>	chr7:44975988-44986492	11.1121	13.6407	0.2958	0.006981
<i>Rrnad1</i>	chr3:87922600-87930717	21.7008	19.7659	-0.1347	0.000652
<i>Luc7l2</i>	chr6:38551333-38609470	22.1259	26.3616	0.2527	0.028849
<i>Ccr9</i>	chr9:123678438-123783457	3.3964	2.7107	-0.3253	0.011704
<i>Fermt3</i>	chr19:6998957-7019469	130.7968	116.4055	-0.1682	0.026084
<i>Agtrap</i>	chr4:148077060-148088031	10.0437	8.6736	-0.2116	0.004774
<i>Parn</i>	chr16:13537963-13668170	14.9632	17.8236	0.2524	0.007047
<i>Tcf3</i>	chr10:80409513-80433647	22.2420	19.8318	-0.1655	0.011000
<i>Tref1</i>	chr17:47140941-47359458	1.7954	2.5720	0.5186	0.042429
<i>Fam120aas</i>	chr13:48968286-48972031	13.7008	11.1943	-0.2915	0.029509
<i>Adamts6</i>	chr13:104287872-104494763	10.5830	12.7302	0.2665	0.022911
<i>BC003331</i>	chr1:150361304-150393080	8.7053	10.6176	0.2865	0.017934
<i>Zfp672</i>	chr11:58315113-58323346	18.7323	16.4733	-0.1854	0.005669
<i>Ptpn21</i>	chr12:98676740-98737405	0.5924	0.8990	0.6018	0.008319
<i>Kat6a</i>	chr8:22859534-22943259	22.1839	27.5556	0.3128	0.083839
<i>Amt</i>	chr9:108296852-108301571	3.8130	2.6965	-0.4999	0.012377

<i>Srsf4</i>	chr4:131873616-131901706	18.0181	22.8606	0.3434	0.048378
<i>Bcl7b</i>	chr5:135168282-135181855	24.0086	20.3479	-0.2387	0.022823
<i>Ap2s1</i>	chr7:16738409-16749294	48.7506	40.5317	-0.2664	0.033590
<i>Eif2s3x</i>	chrX:94188706-94212862	2.7506	3.5849	0.3822	0.004692
<i>App</i>	chr16:84954439-85173707	3.1561	4.4529	0.4966	0.027540
<i>Acss2</i>	chr2:155517947-155585724	16.1601	13.5235	-0.2570	0.066341
<i>Rmdn3</i>	chr2:119137000-119157034	9.6773	8.2116	-0.2370	0.021411
<i>Slc16a5</i>	chr11:115462473-115474398	26.6150	20.6903	-0.3633	0.089879
<i>Xab2</i>	chr8:3608420-3621316	33.5126	30.6198	-0.1302	0.002362
<i>Nktr</i>	chr9:121719168-121756843	24.2640	27.4218	0.1765	0.010187
<i>Nupl2</i>	chr5:24164962-24184013	2.1477	2.8460	0.4061	0.001023
<i>NA</i>	chr1:60703917-60705656	5.7740	4.3607	-0.4050	0.017028
<i>Fnbp1</i>	chr2:31026205-31142008	15.8005	19.2490	0.2848	0.044576
<i>Smcp2</i>	chr4:120968316-121017247	22.3362	27.0804	0.2779	0.030723
<i>Sirt7</i>	chr11:120618371-120625240	48.0836	41.6660	-0.2067	0.049685
<i>Tspyl4</i>	chr10:34297420-34301308	25.4326	22.1138	-0.2017	0.033779
<i>Yod1</i>	chr1:130717326-130722055	9.3638	11.2083	0.2594	0.004086
<i>Mlf2</i>	chr6:124931387-124936138	43.4481	37.7522	-0.2027	0.014270
<i>Cep295</i>	chr9:15316914-15357788	10.6923	12.5735	0.2338	0.019940
<i>Plcb4</i>	chr2:135659010-136014593	0.8289	1.2507	0.5935	0.087439
<i>Rnpc3</i>	chr3:113605066-113630149	18.3635	16.3281	-0.1695	0.010239
<i>Rgl2</i>	chr17:33929542-33937687	42.6910	37.4437	-0.1892	0.037603
<i>Gpx1</i>	chr9:108339079-108340338	122.0468	98.6006	-0.3078	0.052279
<i>Tdrd7</i>	chr4:45965333-46034761	0.9572	1.5195	0.6667	0.030185
<i>Der1</i>	chr15:57869501-57892418	34.0997	30.5857	-0.1569	0.008560
<i>5830415F09Rik</i>	chr4:46376504-46389437	15.9009	13.5544	-0.2304	0.010838
<i>Xylt2</i>	chr11:94663850-94677515	27.6588	23.5704	-0.2308	0.050241
<i>Ywhag</i>	chr5:135908408-135934616	10.4081	12.5757	0.2729	0.017574
<i>Nr2f6</i>	chr8:71374122-71381960	6.7247	5.2729	-0.3509	0.052189
<i>Epc1</i>	chr18:6435950-6516108	47.2006	43.1019	-0.1311	0.004317
<i>Eif6</i>	chr2:155819831-155826925	34.0589	29.5403	-0.2053	0.019349
<i>Fkbp4</i>	chr6:128429734-128438677	45.6595	37.8477	-0.2707	0.061705
<i>Snape3</i>	chr4:83417723-83467676	23.5653	26.7936	0.1852	0.003323
<i>Slc1a4</i>	chr11:20302179-20332713	1.4349	2.1049	0.5528	0.041740
<i>Tmub1</i>	chr5:24445457-24447854	16.7866	14.0803	-0.2536	0.014992
<i>Unc93b1</i>	chr19:3935185-3949340	3.9114	5.2573	0.4267	0.026299
<i>Slc35g1</i>	chr19:38395979-38405607	13.5793	11.6721	-0.2183	0.016180
<i>1700056N10Rik</i>	chr16:17047519-17049111	4.9987	7.1494	0.5163	0.020955
<i>Rrn3</i>	chr16:13780698-13814840	38.9292	33.8978	-0.1997	0.028661
<i>Adam8</i>	chr7:139978931-139992562	0.8454	1.2497	0.5639	0.007386
<i>Sec11c</i>	chr18:65800548-65817665	22.0500	26.1358	0.2452	0.020559
<i>Rnf43</i>	chr11:87662721-87735539	2.5477	3.5009	0.4585	0.064137
<i>Csk</i>	chr9:57626646-57645653	131.8736	119.6942	-0.1398	0.013154
<i>Cactin</i>	chr10:81321102-81326251	25.2105	22.0078	-0.1960	0.023619
<i>Ttyh3</i>	chr5:140620585-140649031	7.9170	10.9924	0.4735	0.097197
<i>Tmem208</i>	chr8:105326353-105335219	30.8841	26.9154	-0.1984	0.010015
<i>Gcnt1</i>	chr19:17326140-17356667	0.5175	1.1063	1.0961	0.149124
<i>Mettl21c</i>	chr1:44009407-44020034	1.3829	1.9766	0.5153	0.031675
<i>Cmip</i>	chr8:117257018-117461503	7.0599	9.3426	0.4042	0.087256
<i>Dpm3</i>	chr3:89259357-89267079	23.0436	17.4803	-0.3986	0.062111
<i>2810408A11Rik</i>	chr11:69897351-69900987	3.4786	2.5873	-0.4271	0.007170
<i>Ikbke</i>	chr1:131254342-131279606	45.8639	55.9154	0.2859	0.062306
<i>Diap1</i>	chr18:37843600-37935476	17.5396	22.1638	0.3376	0.082812
<i>Rufy1</i>	chr11:50389285-50431125	13.2602	11.3510	-0.2243	0.006719
<i>Atxn7l3</i>	chr11:102289299-102296631	38.0453	34.9132	-0.1239	0.000459
<i>Josd2</i>	chr7:44467979-44471652	18.4053	15.6643	-0.2326	0.037217
<i>Cdc73</i>	chr1:143598796-143702893	3.1681	3.9020	0.3006	0.045824
<i>H2-Ab1</i>	chr17:34263208-34269418	14.3283	26.0294	0.8613	0.075659
<i>Txn14a</i>	chr18:80206794-80223533	18.7505	15.9179	-0.2363	0.021442
<i>Yif1b</i>	chr7:29238328-29247593	14.6158	11.9817	-0.2867	0.021325
<i>Cd44</i>	chr2:102811140-102901665	7.1618	10.0722	0.4920	0.123087
<i>Gm26860</i>	chr10:42761595-42763635	3.5705	5.0746	0.5072	0.015753
<i>Lynx1</i>	chr15:74747855-74752979	2.8470	2.1694	-0.3922	0.021231
<i>Pfkm</i>	chr15:98092588-98132447	7.5461	6.3103	-0.2580	0.006208
<i>Inpp4a</i>	chr1:37299864-37410736	5.3295	7.0345	0.4005	0.095778
<i>Etv6</i>	chr6:134035699-134270158	4.2471	6.2161	0.5495	0.144022
<i>Ppp2r5a</i>	chr1:191351980-191397041	169.0180	145.7177	-0.2140	0.045751
<i>Trp53i13</i>	chr11:77508098-77515980	6.8065	5.4592	-0.3182	0.007172
<i>Slc25a38</i>	chr9:120110373-120124504	11.9389	10.1242	-0.2379	0.022000
<i>Cnnm4</i>	chr1:36471619-36508764	4.5852	3.7138	-0.3041	0.035984
<i>4732487G21Rik</i>	chr12:86290760-86306006	5.4251	6.8008	0.3260	0.003674

9130019O22Rik	chr7:127382259-127387166	5.8350	4.7155	-0.3073	0.040226
Ptprs	chr17:56412430-56476483	1.1542	1.8858	0.7083	0.129631
Dirc2	chr16:35694061-35769356	11.9197	10.4640	-0.1879	0.013798
Vgll4	chr6:114860627-114969994	27.8653	24.9264	-0.1608	0.019869
Shc1	chr3:89418442-89430015	11.6486	10.3314	-0.1731	0.004720
Zfp653	chr9:22055459-22071345	13.7064	11.5337	-0.2490	0.022894
Fam196b	chr11:34314821-34422640	10.1865	14.1711	0.4763	0.137571
Necap2	chr4:141066511-141078357	28.4875	25.5325	-0.1580	0.009155
Slc39a7	chr17:34028266-34031690	50.7278	45.2711	-0.1642	0.016337
Vps51	chr19:6067841-6080324	15.4163	13.5420	-0.1870	0.020441
Rpn1	chr6:88084472-88105304	37.7875	33.9578	-0.1542	0.019959
Gm8995	chr7:106510538-106511671	393.3607	451.9209	0.2002	0.028900
Hsd3b7	chr7:127785607-127803802	3.6732	4.6612	0.3437	0.045294
2510039O18Rik	chr4:147940894-147947314	45.3214	39.7169	-0.1904	0.057783
Fzr1	chr10:81366221-81378516	8.8285	7.3835	-0.2579	0.045600
Slc16a10	chr10:40033534-40142254	2.9355	2.2997	-0.3522	0.031935
Edem1	chr6:108828640-108859356	53.7133	48.1405	-0.1580	0.024917
Uros	chr7:133686242-133710072	9.1203	7.7140	-0.2416	0.020895
Ino80d	chr1:62958417-63114667	8.9058	11.0475	0.3109	0.080296
Elf4	chrX:48411045-48463132	13.1742	17.0731	0.3740	0.095441
Myo10	chr15:25622524-25813673	5.9111	5.1219	-0.2067	0.022176
S1pr4	chr10:81497744-81500132	101.1889	91.2421	-0.1493	0.043544
Ppp3r1	chr11:17159262-17200375	28.4685	32.6902	0.1995	0.003360
Trim27	chr13:21179444-21194724	28.4935	25.8270	-0.1418	0.002831
Pspc1	chr14:56722440-56778316	14.5838	16.9070	0.2133	0.006983
Bcl6	chr16:23965051-23988852	4.2166	5.3473	0.3427	0.052583
Arhgap26	chr18:38601533-39376284	1.4926	2.0179	0.4350	0.091285
Rnf220	chr4:117271462-117497052	14.9187	13.3420	-0.1611	0.022253
Gm26778	chr14:102978219-102982528	1.7205	2.3328	0.4392	0.005486
NA	chr14:102978219-102982528	1.7205	2.3328	0.4392	0.005486
Uba1	chrX:20658325-20683179	89.2832	80.2287	-0.1543	0.018146
Gsn	chr2:35279662-35307892	27.0456	23.0645	-0.2297	0.048624
Trim23	chr13:104178796-104203372	8.3239	9.8877	0.2484	0.017552
Ptxna1	chr6:89316315-89362613	1.0121	0.7230	-0.4853	0.051687
Pgp	chr17:24470472-24471591	12.4700	9.7863	-0.3496	0.019150
2810008D09Rik	chr11:117076789-117078955	27.9217	23.6545	-0.2393	0.039162
Plekha5	chr6:140424098-140594906	6.4831	7.8198	0.2704	0.016302
Tmem147	chr7:30727700-30729534	33.7501	27.6790	-0.2861	0.031478
Cdv3	chr9:103353101-103365780	15.2939	13.2837	-0.2033	0.038727
BC094916	chr1:173519716-173535957	18.1625	23.0669	0.3449	0.066195
Vasp	chr7:19256928-19271817	154.0269	138.9195	-0.1489	0.014652
Gpalpp1	chr14:76086231-76110815	21.3103	18.5488	-0.2002	0.031130
Amigo2	chr15:97244073-97247287	33.2492	26.7360	-0.3145	0.116897
Hnrnpa3	chr2:75659260-75669407	3.8752	4.9628	0.3569	0.053678
Cbx4	chr11:119077572-119086221	28.1600	24.5585	-0.1974	0.044612
B330016D10Rik	chr4:141546188-141547892	7.3239	5.6850	-0.3654	0.016859
Scarna9	chr9:15326263-15326333	61.5768	91.5128	0.5716	0.030197
Whsc1	chr5:33820724-33897975	3.6012	4.8054	0.4162	0.092576
E030018B13Rik	chr7:63916856-63920539	4.7836	7.2478	0.5995	0.040420
Cdr2	chr7:120957035-120982312	7.5123	5.5818	-0.4285	0.067311
Prdm1	chr10:44437176-44528501	1.7366	2.4162	0.4765	0.072354
Llg12	chr11:115824048-115855780	7.3854	6.4023	-0.2061	0.013013
Tm7sf2	chr19:6062820-6068373	6.5743	5.4949	-0.2588	0.013202
Rbm12b1	chr4:12140263-12146731	7.8480	6.0958	-0.3645	0.088479
Papd4	chr13:93147399-93192283	6.7672	8.5075	0.3302	0.003713
Tcf20	chr15:82808628-82912134	136.9479	121.2926	-0.1751	0.041619
Axin1	chr17:26138687-26195811	37.1679	33.0261	-0.1705	0.035024
Zfp821	chr8:109705548-109724932	1.8538	2.7320	0.5594	0.028193
Hivep1	chr13:42052020-42185026	6.3929	8.4812	0.4078	0.120466
Ppan	chr9:20888174-20892178	27.3387	24.2860	-0.1708	0.012414
Plxnc1	chr10:94790865-94944578	5.6458	6.7950	0.2673	0.025735
2610024D14Rik	chr11:21099533-21099827	11.7931	18.4378	0.6447	0.055845
C330027C09Rik	chr16:48994184-49019709	1.3747	1.8883	0.4580	0.031242
Klf11	chr12:24651370-24662774	3.0560	4.4208	0.5327	0.096354
Mri1	chr8:84249905-84257326	16.7382	14.8596	-0.1718	0.006594
Ets2	chr16:95702074-95721051	14.8658	13.0133	-0.1920	0.034162
Ms4a4c	chr19:11404769-11427246	20.8921	27.3259	0.3873	0.062420
Arid5b	chr10:68095592-68278726	7.7082	10.3502	0.4252	0.122197
Ggt5	chr10:75589380-75616968	14.2365	11.7002	-0.2831	0.083282
Avpr2	chrX:73892101-73895502	51.1525	44.9390	-0.1868	0.047228
Ap3d1	chr10:80706977-80742211	46.6103	42.4129	-0.1361	0.020128

<i>Pes1</i>	chr11:3963974-3980004	23.7522	20.7425	-0.1955	0.020299
<i>Plrg1</i>	chr3:83055521-83072355	30.4190	26.5565	-0.1959	0.024762
<i>Bcl9</i>	chr3:97203661-97228846	1.4909	1.9551	0.3911	0.044672
<i>Dvl2</i>	chr11:70000594-70012301	16.4418	14.7935	-0.1524	0.013761
<i>Rnf167</i>	chr11:70647234-70651421	115.2445	103.2946	-0.1579	0.029556
<i>Mrpl38</i>	chr11:116131816-116138868	11.8149	10.2207	-0.2091	0.000773
<i>Dhx15</i>	chr5:52150208-52190519	165.9889	149.0649	-0.1551	0.026695
<i>Pex26</i>	chr6:121183666-121198837	3.7817	3.1429	-0.2670	0.021253
<i>Btbd1</i>	chr7:81792074-81829431	18.6947	16.0947	-0.2160	0.029229
<i>Ubxn7</i>	chr16:32332251-32393747	19.0387	22.1846	0.2206	0.026150
<i>Nxpe3</i>	chr16:55839952-55895279	9.1601	11.6214	0.3433	0.076607
<i>Cd84</i>	chr1:171839696-171890718	36.5087	41.4295	0.1824	0.016614
<i>Cnot6l</i>	chr5:96070332-96164171	24.4651	27.7331	0.1809	0.014960
<i>Lsr</i>	chr7:30957408-30983169	4.0089	4.9656	0.3088	0.028797
<i>Ran</i>	chr5:129020068-129024323	25.1002	21.5933	-0.2171	0.029107
<i>Tomm20</i>	chr8:126930663-126945921	11.5402	10.3071	-0.1630	0.001455
<i>Golgb1</i>	chr16:36875139-36933085	10.9745	12.6436	0.2043	0.024654
<i>Arhgap1</i>	chr2:91649859-91672326	56.9284	52.0318	-0.1298	0.013158
<i>Fgr</i>	chr4:132974094-133001910	0.8241	1.2757	0.6303	0.037171
<i>Kjfc5b</i>	chr17:26917090-26932579	2.9273	2.1998	-0.4122	0.010687
<i>Adam10</i>	chr9:70678996-70780229	21.5599	24.9078	0.2082	0.014545
<i>Itga5</i>	chr15:103344288-103366763	0.7746	1.2028	0.6349	0.035515
<i>Tecr</i>	chr8:83571699-83594491	70.8658	60.7756	-0.2216	0.057741
<i>Frmf4b</i>	chr6:97286866-97617541	0.4773	0.6947	0.5416	0.061072
<i>Kras</i>	chr6:145216698-145250239	21.3379	25.2928	0.2453	0.032658
<i>Ndufv1</i>	chr19:4007496-4012806	32.0699	28.2932	-0.1808	0.027373
<i>Atxn7l1os2</i>	chr12:33358242-33394760	2.4866	3.6529	0.5549	0.057095
<i>Nsun5</i>	chr5:135369952-135376805	10.0973	8.5489	-0.2402	0.038523
<i>Tspan14</i>	chr14:40906444-40966807	56.0592	50.3194	-0.1558	0.032215
<i>Taf8</i>	chr17:47488049-47502287	29.5006	26.1024	-0.1766	0.024167
<i>Zfp35</i>	chr18:23989631-24005376	7.2874	8.7912	0.2707	0.003065
<i>Anapc2</i>	chr2:25272477-25285915	11.3010	14.2532	0.3348	0.065398
<i>Gpr155</i>	chr2:73341505-73386572	4.1103	5.8996	0.5214	0.127174
<i>Ehd4</i>	chr2:120089174-120154606	1.4099	1.9505	0.4682	0.012392
<i>Raly</i>	chr2:154791095-154867261	92.1373	79.3623	-0.2153	0.054350
<i>Rcan3</i>	chr4:135412307-135433853	27.5418	24.8041	-0.1510	0.016187
<i>Tusc2</i>	chr9:107563254-107566108	23.0966	19.9006	-0.2149	0.014918
<i>Trib1</i>	chr15:59648349-59656550	0.8061	1.2397	0.6210	0.060100
<i>Gm15964</i>	chr16:91611467-91623861	13.8936	11.8483	-0.2297	0.031811
<i>Atp5a1</i>	chr18:7773728-77782869	226.1073	199.5023	-0.1806	0.039215
<i>1700123O20Rik</i>	chr14:54686170-54690742	29.2462	25.8978	-0.1754	0.009337
<i>Galnt6</i>	chr15:100691812-100729376	129.3810	117.2099	-0.1425	0.022387
<i>A630001G21Rik</i>	chr1:85717082-85778643	10.4491	12.7908	0.2917	0.032739
<i>Aptx</i>	chr4:40682381-40703194	3.9246	4.7376	0.2716	0.007332
<i>Zfp839</i>	chr12:110850278-110869998	1.2748	1.7968	0.4952	0.010662
<i>4930481A15Rik</i>	chr19:5406739-5422847	5.1110	6.8159	0.4153	0.039512
<i>Aar2</i>	chr2:156547583-156568972	12.7137	11.1975	-0.1832	0.006347
<i>Ust</i>	chr10:8204752-8518825	1.7516	2.3778	0.4409	0.029909
<i>Asxl2</i>	chr12:3426856-3506852	13.7704	15.7742	0.1960	0.021721
<i>Atpaf2</i>	chr11:60400625-60418457	16.7041	14.3741	-0.2167	0.014811
<i>Dnajb9</i>	chr12:44205896-44210068	5.3012	7.4509	0.4911	0.076674
<i>1700023H06Rik</i>	chr13:80884223-80885524	6.0206	8.9971	0.5795	0.091504
<i>Actb</i>	chr5:142903114-142906754	3375.4583	2944.8449	-0.1969	0.060402
<i>Shisa5</i>	chr9:109038564-109057724	911.3792	807.2861	-0.1750	0.059100
<i>Sart1</i>	chr19:5377522-5388703	35.8227	32.8919	-0.1231	0.007248
<i>Psen2</i>	chr1:180227003-180263438	23.9038	21.0452	-0.1837	0.043988
<i>Ftsj3</i>	chr11:106249141-106256079	40.9512	36.9799	-0.1472	0.018036
<i>1700030K09Rik</i>	chr8:72443879-72461001	2.6561	3.5343	0.4121	0.016686
<i>Gm13563</i>	chr2:26381525-26389018	39.3511	34.8112	-0.1769	0.011695
<i>Birc5</i>	chr11:117849250-117855743	1.1950	1.8774	0.6517	0.084982
<i>Hs3st3b1</i>	chr11:63885791-63922290	20.0042	17.5904	-0.1855	0.058596
<i>Ddx3x</i>	chrX:13280969-13294052	92.8492	107.9274	0.2171	0.021512
<i>Tmem129</i>	chr5:33653215-33657977	11.6807	10.0546	-0.2163	0.020476
<i>Emc10</i>	chr7:44489936-44496529	28.3103	25.1142	-0.1728	0.036790
<i>Gm16364</i>	chr10:39556070-39558062	4.3968	6.5048	0.5651	0.085456
<i>BC049715</i>	chr6:136828842-136840536	4.8955	3.5398	-0.4678	0.002900
<i>Mrpl34</i>	chr8:71464925-71465752	34.6950	27.5426	-0.3331	0.048899
<i>Naa50</i>	chr16:44139829-44163366	9.4111	11.3590	0.2714	0.027055
<i>Igsf6</i>	chr7:121064066-121074530	3.4609	4.5982	0.4099	0.009811
<i>Grik5</i>	chr7:25009852-25072369	0.8211	1.3134	0.6776	0.056727
<i>Scmh1</i>	chr4:120405280-120530186	1.0583	1.4281	0.4323	0.042017

<i>Insig1</i>	chr5:28071362-28078662	24.2196	20.2870	-0.2556	0.060086
<i>Tmem9b</i>	chr7:109735833-109752875	59.2318	51.1111	-0.2127	0.041170
<i>Gm17017</i>	chr1:85641221-85650585	1.9953	2.7784	0.4776	0.013128
<i>Ybx3</i>	chr6:131364857-131388450	6.6713	9.5580	0.5187	0.123890
<i>Hsd1l</i>	chr8:119561978-119575200	60.3325	54.8717	-0.1369	0.009869
<i>Arf4</i>	chr14:26638073-26665084	13.5104	16.4114	0.2806	0.028166
<i>Fam92a</i>	chr4:12153408-12172015	2.1489	2.8092	0.3865	0.030579
<i>Gm17108</i>	chr13:69610497-69614901	7.4244	6.1505	-0.2716	0.026970
<i>Zc3h10</i>	chr10:128541962-128547774	11.1833	9.9052	-0.1751	0.008736
<i>Kcnh2</i>	chr5:24319588-24351604	3.1581	2.5335	-0.3179	0.043896
<i>Cd200</i>	chr16:45382134-45409053	4.9811	6.7881	0.4466	0.102722
<i>A430093F15Rik</i>	chr19:10740946-10786043	8.8712	12.5493	0.5004	0.103754
<i>Rbm12</i>	chr2:156091957-156111978	20.4004	17.5945	-0.2135	0.073235
<i>Alg5</i>	chr3:54735538-54751127	7.3107	8.7492	0.2591	0.005602
<i>Gm26546</i>	chr10:88379243-88383711	1.4314	2.0066	0.4874	0.042993
<i>Rasa1</i>	chr13:85214779-85289029	34.0846	39.7412	0.2215	0.041500
<i>NA</i>	chr5:36796227-36797729	9.6869	7.7759	-0.3170	0.030968
<i>Gnai2</i>	chr9:107614137-107635342	219.6732	194.9975	-0.1719	0.039597
<i>Mettl3</i>	chr14:52294667-52305128	31.0641	28.0864	-0.1454	0.016180
<i>Zbtb11</i>	chr16:55966274-56008913	27.6433	24.5278	-0.1725	0.054290
<i>Tcf4</i>	chr18:69344145-69687967	0.3551	0.5011	0.4969	0.013930
<i>Zfp704</i>	chr3:9427010-9610085	0.2374	0.4712	0.9889	0.165942
<i>Mum1</i>	chr10:80226433-80243903	18.0587	15.9056	-0.1832	0.054553
<i>St3gal6</i>	chr16:58468124-58524243	2.7975	3.5033	0.3246	0.018407
<i>Lypd6b</i>	chr2:49787687-49948849	12.3563	10.0445	-0.2988	0.068319
<i>Ccdc117</i>	chr11:5528886-5542187	21.7894	18.4547	-0.2396	0.066256
<i>Lemd2</i>	chr17:27189600-27204438	25.5064	22.6145	-0.1736	0.035302
<i>Cuedc1</i>	chr11:88098057-88194140	0.6472	0.9285	0.5208	0.006857
<i>Pip5k1a</i>	chr3:95058529-95106930	18.7398	16.6434	-0.1712	0.015756
<i>Bpnt1</i>	chr1:185332148-185357777	9.6091	7.7898	-0.3028	0.038507
<i>Anapc16</i>	chr10:59987408-60003135	19.1560	16.5300	-0.2127	0.046894
<i>Esyt1</i>	chr10:128510247-128525859	186.8930	165.0768	-0.1791	0.082804
<i>Usp34</i>	chr11:23306894-23490560	14.9843	17.6888	0.2394	0.073678
<i>Rel</i>	chr11:23741513-23770970	6.2401	8.0650	0.3701	0.057163
<i>Sap30l</i>	chr11:57801636-57810217	22.9658	18.9835	-0.2747	0.066065
<i>Lrrc75a</i>	chr11:62604883-62648523	4.2080	5.6613	0.4280	0.043945
<i>Rrm2</i>	chr12:24708240-24714146	2.6077	3.8931	0.5782	0.102966
<i>9330151L19Rik</i>	chr12:69197210-69199868	13.4011	11.5712	-0.2118	0.025317
<i>Nsun2</i>	chr13:69533745-69635780	32.3913	29.5016	-0.1348	0.011320
<i>Eif4h</i>	chr5:134619879-134639348	112.1676	100.9164	-0.1525	0.036998
<i>Ppfibp1</i>	chr6:146888486-147032025	0.9105	1.3617	0.5807	0.136808
<i>Igsf23</i>	chr7:19937304-19950743	21.3166	17.3827	-0.2943	0.070136
<i>Nav2</i>	chr7:49246188-49610087	0.5376	0.8853	0.7198	0.111723
<i>Isyna1</i>	chr8:70594480-70597288	37.9350	33.1557	-0.1943	0.041559
<i>Acsf3</i>	chr8:122775504-122817880	4.0371	5.5233	0.4522	0.050227
<i>Ankrd12</i>	chr17:65967500-66077089	14.4944	17.0037	0.2304	0.039122
<i>Mrps26</i>	chr2:130563741-130568695	11.9314	10.4148	-0.1961	0.030470
<i>Pmepa1</i>	chr2:173224457-173276533	1.7739	2.3717	0.4190	0.035898
<i>Atp1a1</i>	chr3:101576218-101604603	119.0321	107.6660	-0.1448	0.038694
<i>Tgfb1</i>	chr4:47353221-47414931	16.4034	14.6319	-0.1649	0.043625
<i>E130308A19Rik</i>	chr4:59626210-59761439	0.7086	0.9890	0.4810	0.088558
<i>Zfp46</i>	chr4:136284682-136293942	7.3636	6.4284	-0.1960	0.018015
<i>Agri</i>	chr4:156165289-156197488	1.2679	1.7919	0.4991	0.120815
<i>Capns1</i>	chr7:30186941-30195164	57.1657	49.1856	-0.2169	0.062753
<i>Pcdhgc4</i>	chr18:37674334-37841873	0.5531	0.7207	0.3819	0.075589
<i>Ggnbp1</i>	chr17:26973216-27036378	18.5495	16.8686	-0.1370	0.005700
<i>Atxn7l1</i>	chr12:33147692-33375659	4.8703	6.3143	0.3746	0.119918
<i>Hmgn2</i>	chr4:133964737-133968650	3.3572	4.3312	0.3675	0.015875
<i>Polm</i>	chr11:5827859-5838016	4.2635	5.4443	0.3527	0.053709
<i>Gm11508</i>	chr11:88011990-88048006	49.4574	41.5265	-0.2522	0.019901
<i>Prpf31</i>	chr7:3629984-3642486	19.6330	17.3782	-0.1760	0.028738
<i>Tmem160</i>	chr7:16452778-16455489	27.0775	21.8030	-0.3126	0.063032
<i>Zfp36</i>	chr7:28376783-28379255	33.7778	43.3116	0.3587	0.094341
<i>Tyropb</i>	chr7:30413787-30417577	7.4088	11.2208	0.5989	0.042024
<i>Tmem161a</i>	chr8:70172355-70183681	10.9103	9.6569	-0.1761	0.002569
<i>Lsm4</i>	chr8:70673247-70678752	71.4424	60.6363	-0.2366	0.066012
<i>Ldlr</i>	chr9:21723575-21749916	19.3006	14.9383	-0.3696	0.126801
<i>Rgcc</i>	chr14:79288755-79301645	34.7764	25.9997	-0.4196	0.106419
<i>Rgs11</i>	chr17:26202950-26211324	6.5127	5.5947	-0.2192	0.005310
<i>Nrip1</i>	chr16:76287399-76373827	15.4681	17.7645	0.1997	0.033427
<i>Malt1</i>	chr18:65430962-65478823	45.1583	52.0975	0.2062	0.041531

<i>Ifih1</i>	chr2:62595797-62646255	9.4085	12.0604	0.3582	0.089072
<i>Rprd2</i>	chr3:95759872-95818953	9.0279	10.8644	0.2672	0.073536
<i>Bach2</i>	chr4:32238803-32586108	9.1863	12.1866	0.4077	0.163486
<i>Kti12</i>	chr4:108847856-108849412	26.0863	22.2332	-0.2306	0.041388
<i>Xiap</i>	chrX:42059678-42109656	11.5679	13.2701	0.1980	0.019444
<i>Dph1</i>	chr11:75177642-75191241	17.1296	15.1151	-0.1805	0.010806
<i>Ncor2</i>	chr5:125017152-125179219	2.5902	3.4309	0.4055	0.103058
<i>Cpsf4</i>	chr5:145167212-145182041	16.8738	15.2116	-0.1496	0.002778
<i>Anxa6</i>	chr11:54979107-55033445	256.5232	231.5039	-0.1481	0.039643
<i>Pnpo</i>	chr11:96937824-96943986	14.1383	12.3097	-0.1998	0.017326
<i>Mob1b</i>	chr5:88720854-88762058	2.4354	2.9115	0.2576	0.012849
<i>Txlng</i>	chrX:162778918-162829454	4.6732	5.6492	0.2736	0.024480
<i>Lancl1</i>	chr1:67000516-67038872	11.6268	10.2966	-0.1753	0.016337
<i>Rbm38</i>	chr2:173020497-173034734	52.3035	44.2561	-0.2410	0.098582
<i>Fdps</i>	chr3:89093591-89101967	19.0429	15.0174	-0.3426	0.083636
<i>Pus1</i>	chr4:155887878-155891781	17.0836	14.9685	-0.1907	0.008888
<i>Oprm1</i>	chr10:6758505-7038198	1.0796	1.4238	0.3993	0.034584
<i>Fam207a</i>	chr10:77486655-77515813	20.9478	18.3877	-0.1881	0.023242
<i>Per1</i>	chr11:69095216-69109960	2.8523	3.8226	0.4224	0.089442
<i>Agpat6</i>	chr8:23172945-23208453	21.1759	19.1163	-0.1476	0.006624
<i>Diap3</i>	chr14:86655366-87141224	0.8510	1.3338	0.6482	0.062943
<i>B3galt4</i>	chr17:33949913-33951488	24.6145	21.6496	-0.1852	0.004715
<i>Znhit2</i>	chr19:6061191-6062470	17.6718	13.9311	-0.3431	0.080096
<i>Rgs1</i>	chr1:144243971-144249242	3.0939	6.1847	0.9993	0.093301
<i>Lamtor3</i>	chr3:137918525-137928765	19.3957	16.3509	-0.2464	0.019042
<i>Rasgrf2</i>	chr13:91880399-92131656	0.6732	1.0659	0.6630	0.083819
<i>Ammecr1</i>	chrX:142851145-142966728	2.2844	2.9200	0.3542	0.024424
<i>Orai1</i>	chr5:123015073-123030450	21.4231	18.6785	-0.1978	0.044490
<i>4933440N22Rik</i>	chr6:117907109-117907760	29.9120	24.4062	-0.2935	0.042550
<i>Dusp28</i>	chr1:92906988-92908620	11.0299	8.9557	-0.3006	0.034895
<i>Galnt10</i>	chr11:57645441-57787514	40.5895	36.1196	-0.1683	0.047468
<i>Grn</i>	chr11:102430314-102437048	2.7657	3.8672	0.4836	0.083023
<i>Pbrm1</i>	chr14:31019137-31121592	32.0545	36.5240	0.1883	0.030808
<i>Dcun1d1</i>	chr3:35892104-35937445	5.7744	7.0808	0.2942	0.037094
<i>Ahcy1</i>	chr3:107663117-107696560	12.1821	14.7965	0.2805	0.052658
<i>Taf15</i>	chr11:83473085-83506743	9.4656	11.6387	0.2982	0.057162
<i>Brms1l</i>	chr12:55836365-55869735	14.9303	12.9487	-0.2054	0.020114
<i>Phldb3</i>	chr7:24611327-24629288	7.1667	6.0059	-0.2549	0.000809
<i>Myg1</i>	chr15:102331708-102338139	15.4956	13.7138	-0.1762	0.006830
<i>Anxa11</i>	chr14:25842182-25886804	6.6961	8.6376	0.3673	0.095460
<i>Zfp53</i>	chr17:21491255-21509764	35.7108	40.4378	0.1793	0.000329
<i>D17Wsu92e</i>	chr17:27751231-27820558	39.0278	35.4594	-0.1383	0.027088
<i>Atp13a3</i>	chr16:30312422-30388837	17.3790	20.5308	0.2404	0.063390
<i>O610012G03Rik</i>	chr16:31948023-31948448	18.7784	14.1376	-0.4095	0.024914
<i>Pi4k2a</i>	chr19:42090434-42122218	7.4406	8.7781	0.2385	0.007449
<i>Mamdc4</i>	chr2:25563114-25574845	7.9163	6.9128	-0.1955	0.014420
<i>Afp</i>	chr5:90490713-90508907	7.1434	5.6218	-0.3456	0.072445
<i>Hnrnpul2</i>	chr19:8819400-8834142	22.4233	26.2174	0.2255	0.055460
<i>Nmd3</i>	chr3:69721984-69749042	14.8876	18.2108	0.2907	0.032488
<i>Sec24a</i>	chr11:51692263-51763634	3.5729	4.5581	0.3513	0.088858
<i>Gm24157</i>	chr11:52099057-52099153	107.5221	83.5471	-0.3640	0.025267
<i>Evi2a</i>	chr11:79526559-79530609	7.8926	10.0903	0.3544	0.059297
<i>Myo9a</i>	chr9:59750895-59928866	7.8306	9.1488	0.2245	0.045220
<i>Gbp6</i>	chr5:105270703-105293699	13.2167	16.8900	0.3538	0.083050
<i>Cd274</i>	chr19:29367454-29388095	12.4579	15.5272	0.3177	0.071795
<i>Trabd</i>	chr15:89075123-89087077	17.5705	15.8885	-0.1452	0.029848
<i>Crybg3</i>	chr16:59490774-59555752	3.7528	4.4651	0.2507	0.009421
<i>Gm10518</i>	chr1:179803375-179804676	9.0955	7.0992	-0.3575	0.050221
<i>Cpne1</i>	chr2:156071844-156111959	46.8975	42.9039	-0.1284	0.027246
<i>Tradd</i>	chr8:105258285-105264609	19.5050	17.0599	-0.1932	0.008125
<i>H2-K1</i>	chr17:33996016-34000333	1268.3983	1132.1108	-0.1640	0.083334
<i>Gm15440</i>	chr13:51685528-51701041	5.0707	7.4388	0.5529	0.108021
<i>Nap1l1</i>	chr10:111473191-111498142	11.3108	13.4859	0.2538	0.026145
<i>Dhrs13</i>	chr11:78032279-78037866	6.8353	5.4056	-0.3385	0.064536
<i>Cyth1</i>	chr11:118132018-118248592	109.0329	100.6309	-0.1157	0.010168
<i>3110056K07Rik</i>	chr12:70991614-71015832	25.7240	22.3133	-0.2052	0.016964
<i>Ppp2r5e</i>	chr12:75450882-75596200	6.4644	8.0405	0.3148	0.052953
<i>Cwc27</i>	chr13:104631139-104817142	7.9375	9.4348	0.2493	0.001935
<i>Fbxo21</i>	chr5:117976769-118010191	11.1153	9.7543	-0.1884	0.014255
<i>Brca2</i>	chr5:150522629-150569746	1.2498	1.5841	0.3420	0.038921
<i>Ppp6r1</i>	chr7:4631500-4658950	113.1886	104.0836	-0.1210	0.023612

<i>Rasa3</i>	chr8:13566949-13677603	172.8788	159.0189	-0.1206	0.035825
<i>Casp4</i>	chr9:5308827-5336783	3.6758	7.6706	1.0613	0.072876
<i>Gm16575</i>	chr15:79739573-79741798	31.0116	27.1422	-0.1923	0.039376
<i>Men1</i>	chr19:6334978-6340891	17.5256	15.6036	-0.1676	0.020148
<i>Otub1</i>	chr19:7198201-7206316	36.3816	32.0644	-0.1822	0.034373
<i>Uck2</i>	chr1:167226089-167285127	53.1473	44.8252	-0.2457	0.067325
<i>Taf3</i>	chr2:9914551-10048596	3.6940	4.5342	0.2957	0.040921
<i>Gtdc1</i>	chr2:44564411-44927657	3.2338	3.8698	0.2590	0.015090
<i>Prnp</i>	chr2:131909927-131938429	1.4386	2.5366	0.8183	0.128630
<i>Rbm8a</i>	chr3:96629927-96633779	10.1193	12.3548	0.2880	0.030662
<i>Nexn</i>	chr3:152236985-152266320	2.7459	3.8248	0.4781	0.051015
<i>Tmod1</i>	chr4:46038934-46116032	5.3843	4.4564	-0.2729	0.026767
<i>Atp6v1g1</i>	chr4:63544771-63550750	22.4618	18.1597	-0.3067	0.053379
<i>Ncmap</i>	chr4:135369575-135398227	1.9357	3.0541	0.6579	0.096151
<i>Icmt</i>	chr4:152297226-152307121	12.2023	10.8407	-0.1707	0.035122
<i>Gm16153</i>	chr10:4409032-4423369	2.1754	2.8288	0.3789	0.017607
<i>Atxn1</i>	chr13:45549757-45964991	3.7598	4.9610	0.4000	0.129632
<i>Sema4d</i>	chr13:51701245-51793747	16.4894	21.6584	0.3934	0.157908
<i>Ccdc77</i>	chr6:120324322-120364374	4.8069	4.2013	-0.1943	0.004882
<i>Tmem86b</i>	chr7:4628041-4630482	12.6724	9.9664	-0.3465	0.074327
<i>Dctn5</i>	chr7:122133040-122149044	31.5332	28.3370	-0.1542	0.010867
<i>Srcap</i>	chr7:127512026-127536376	10.6898	13.7085	0.3588	0.124448
<i>Tial1</i>	chr7:128439776-128461717	13.7673	16.0147	0.2182	0.037785
<i>Gm11175</i>	chr8:70699537-70700080	214.3811	175.7654	-0.2865	0.128772
<i>Gpr114</i>	chr8:94923693-94943290	2.0512	1.4910	-0.4602	0.038012
<i>Mthfs</i>	chr9:89199378-89240226	1.5710	2.3964	0.6092	0.114467
<i>Gm26882</i>	chr9:90094177-90095902	4.9606	6.5733	0.4061	0.023609
<i>Parp4</i>	chr14:56575618-56659794	12.1371	14.9110	0.2970	0.111106
<i>Rftn1</i>	chr17:49992256-50190674	29.9642	27.1365	-0.1430	0.020791
<i>Acs3</i>	chr1:78657824-78706987	7.6832	6.3504	-0.2748	0.050471
<i>Sestd1</i>	chr2:77180339-77280592	0.9068	1.1668	0.3637	0.014838
<i>Mfap1a</i>	chr2:121491910-121506665	8.5461	10.1569	0.2491	0.015157
<i>Dnaja1</i>	chr4:40722149-40737149	15.2160	12.1486	-0.3248	0.191860
<i>Gpr65</i>	chr12:98268634-98276624	21.7733	18.8432	-0.2085	0.026723
<i>Gm26669</i>	chr12:80108033-80113000	17.6954	21.9919	0.3136	0.047937
<i>Ano8</i>	chr8:71476022-71486067	9.0071	7.5309	-0.2582	0.059096
<i>Ccl5</i>	chr11:83525777-83530518	2.5031	8.6876	1.7952	0.080773
<i>Gm17072</i>	chr8:81827662-81829275	2.5454	3.8829	0.6093	0.055019
<i>Gramd1b</i>	chr9:40293232-40531383	6.6848	8.4383	0.3361	0.113916
<i>Uqcr1</i>	chr9:108936647-108949640	79.9960	72.1502	-0.1489	0.019409
<i>Rnf149</i>	chr1:39551295-39577405	11.9113	14.3742	0.2712	0.045916
<i>Nle1</i>	chr11:82900767-82908411	9.5203	8.2329	-0.2096	0.017027
<i>Tmem165</i>	chr5:76183879-76209245	29.3827	26.0256	-0.1750	0.031395
<i>Ptpn7</i>	chr1:135132724-135145320	71.9791	64.9368	-0.1485	0.040822
<i>Tox</i>	chr4:6686352-6991557	5.7972	7.4898	0.3696	0.106107
<i>Wdr74</i>	chr19:8735838-8740623	37.9241	33.3915	-0.1836	0.017611
<i>Ankrd54</i>	chr15:79053093-79062893	9.1901	7.9696	-0.2056	0.023369
<i>Ccdc50</i>	chr16:27388868-27452218	3.7931	4.9497	0.3840	0.105779
<i>Mark3</i>	chr12:111574509-111656227	46.6081	42.2363	-0.1421	0.017428
<i>Gtpbp6</i>	chr5:110103974-110108197	19.1750	16.6020	-0.2079	0.067818
<i>Trbc2</i>	chr6:41546729-41548181	945.4221	802.9835	-0.2356	0.084235
<i>Ilkap</i>	chr1:91375830-91398783	66.7167	60.6488	-0.1376	0.009170
<i>Cdkn2c</i>	chr4:109660875-109667189	2.9674	4.5558	0.6185	0.156377
<i>Cdca4</i>	chr12:112820236-112829389	36.5079	32.5572	-0.1652	0.020420
<i>E2f6</i>	chr12:16810964-16826743	6.5608	5.4060	-0.2793	0.016541
<i>Rab5c</i>	chr11:100715008-100738215	84.7108	75.8699	-0.1590	0.036114
<i>Zcchc11</i>	chr4:108459425-108559421	15.7511	18.7302	0.2499	0.066304
<i>Pcyox1</i>	chr6:86386005-86397150	4.2126	3.4783	-0.2763	0.037598
<i>Coro2a</i>	chr4:46536936-46602202	0.9913	1.5328	0.6287	0.139681
<i>Zufsp</i>	chr10:33926935-33951212	23.8544	27.1742	0.1880	0.001556
<i>Alyref</i>	chr11:120592120-120598365	21.5878	18.9012	-0.1917	0.037564
<i>Ap1s2</i>	chrX:163909016-163933666	5.0383	6.2236	0.3048	0.054299
<i>Ncoa6</i>	chr2:155390655-155473894	3.8562	4.6799	0.2793	0.064038
<i>Luzp1</i>	chr4:136469760-136554780	1.3702	1.8150	0.4056	0.076642
<i>Sema4f</i>	chr6:82911884-82939769	4.3056	3.6117	-0.2535	0.044889
<i>NA</i>	chr13:104173721-104178439	10.3448	12.4757	0.2702	0.001692
<i>Nlrp1b</i>	chr11:71153101-71230733	0.7878	1.1574	0.5549	0.050715
<i>Rgmb</i>	chr17:15806252-15826586	6.8753	5.6018	-0.2955	0.060681
<i>Zfp598</i>	chr17:24669751-24682015	20.9781	18.3999	-0.1892	0.052337
<i>Selplg</i>	chr5:113817797-113830501	210.3813	186.8940	-0.1708	0.086192
<i>Cenpe</i>	chr3:135212562-135273540	1.1759	1.7882	0.6047	0.121330

<i>Armcx5</i>	chrX:135742732-135747322	7.7179	8.9974	0.2213	0.003600
<i>Ccnl2</i>	chr4:155812488-155824543	85.8345	77.1476	-0.1539	0.058453
<i>Nacc2</i>	chr2:26055534-26123220	4.9906	4.2713	-0.2246	0.060349
<i>4930562F07Rik</i>	chr1:160074734-160077985	87.3866	78.1803	-0.1606	0.027859
<i>Rpl38</i>	chr11:114668523-114672331	8.8274	12.1050	0.4556	0.012830
<i>Herpud1</i>	chr8:94386437-94395377	63.2404	56.6531	-0.1587	0.032433
<i>Nfat5</i>	chr8:107293469-107379517	3.1982	4.0456	0.3391	0.108761
<i>Tmco6</i>	chr18:36735067-36742391	20.0045	17.1554	-0.2217	0.054879
<i>Myh9</i>	chr15:77760586-77842175	278.3476	249.9728	-0.1551	0.065808
<i>Prpf3</i>	chr3:95830123-95855885	9.0791	10.6640	0.2321	0.029339
<i>Lrrc14</i>	chr15:76710622-76717699	6.9560	5.9945	-0.2146	0.058560
<i>Cbx2</i>	chr11:119022961-119031270	4.5627	3.8051	-0.2619	0.040407
<i>Arhgap4</i>	chrX:73891441-73921870	86.3459	77.4081	-0.1576	0.070047
<i>Gm19557</i>	chr19:47512981-47516578	4.3017	5.4256	0.3349	0.024273
<i>Trim26</i>	chr17:36837133-36859398	15.5693	18.3188	0.2346	0.061370
<i>Sec24d</i>	chr3:123267495-123365635	4.9019	4.0458	-0.2769	0.049980
<i>H2-Ke6</i>	chr17:34026032-34028060	72.2008	64.6536	-0.1593	0.031925
<i>D930007J09Rik</i>	chr13:32802456-32802849	20.0333	14.9200	-0.4252	0.062161
<i>Rpsa-ps11</i>	chr4:59162267-59163156	14.1469	11.0079	-0.3619	0.049054
<i>Rasa4</i>	chr5:136083915-136111860	0.5849	0.8276	0.5007	0.006850
<i>Zfp871</i>	chr17:32771235-32788287	20.7337	25.6593	0.3075	0.125992
<i>Ubqln1</i>	chr13:58176155-58215653	46.6238	42.1974	-0.1439	0.028253
<i>Jund</i>	chr8:70697738-70700616	96.7975	81.3497	-0.2508	0.123944
<i>Nup50</i>	chr15:84923427-84942955	24.9443	22.9549	-0.1199	0.005538
<i>Anp32b</i>	chr4:46450901-46472657	7.0648	8.9498	0.3412	0.019557
<i>Ptpn11</i>	chr5:121130532-121191397	17.7066	21.9335	0.3088	0.121317
<i>Panx1</i>	chr9:15005160-15045478	27.6929	25.1920	-0.1366	0.003383
<i>Adamtsl4</i>	chr3:95676200-95687917	2.1409	2.8168	0.3958	0.032300
<i>Wrnip1</i>	chr13:32802037-32822609	26.2706	23.3486	-0.1701	0.031184
<i>Adk</i>	chr14:21052573-21448568	25.0367	30.3348	0.2769	0.062332
<i>3110002H16Rik</i>	chr18:12168716-12189997	22.5668	20.5203	-0.1372	0.018005
<i>Fam212b</i>	chr3:105704598-105720842	2.5152	3.3872	0.4294	0.059124
<i>4930404N11Rik</i>	chr10:81363066-81365816	3.6865	2.7567	-0.4193	0.026155
<i>Pank3</i>	chr11:35769483-35791285	27.3249	23.8482	-0.1963	0.078483
<i>Zbtb32</i>	chr7:30589680-30598909	3.4747	5.3469	0.6218	0.149452
<i>Tfip11</i>	chr5:112326357-112338073	11.4192	13.5549	0.2473	0.036467
<i>Polr2a</i>	chr11:69733996-69758637	12.2350	15.1981	0.3129	0.129831
<i>Ptpn18</i>	chr1:34459745-34473775	111.0964	91.3951	-0.2816	0.100456
<i>Usp14</i>	chr18:9995431-10045119	8.2034	9.4646	0.2063	0.006364
<i>Ndufs3</i>	chr2:90894633-90904827	20.3460	17.5931	-0.2097	0.054373
<i>Yars</i>	chr4:129189759-129219607	8.2666	9.7477	0.2378	0.030376
<i>Mcl1</i>	chr3:95658720-95663176	240.8048	222.3084	-0.1153	0.018388
<i>Sh3bp5</i>	chr14:31359879-31436078	17.2565	21.0299	0.2853	0.052912
<i>Gm20518</i>	chr16:17835276-17891671	19.4457	17.1280	-0.1831	0.052523
<i>Rsl24d1</i>	chr9:73113425-73123333	10.6084	8.9491	-0.2454	0.006526
<i>Metrn</i>	chr17:25794570-25797136	9.8318	8.0550	-0.2876	0.025969
<i>Lat</i>	chr7:126363831-126369543	447.6287	394.9329	-0.1807	0.069189
<i>Hist1h2bh</i>	chr13:23542923-23543359	8.4461	12.8726	0.6080	0.066242
<i>BC005537</i>	chr13:24801656-24814013	56.2601	64.4803	0.1967	0.042284
<i>Jakmp1</i>	chr5:37028334-37148001	27.3095	24.8575	-0.1357	0.025767
<i>Mpv17l2</i>	chr8:70758648-70760921	18.6514	15.6378	-0.2542	0.021198
<i>Gm8822</i>	chrX:81820383-81822730	5.1190	4.1304	-0.3096	0.015452
<i>Fam69a</i>	chr5:107908052-107987085	24.0670	27.4076	0.1875	0.006777
<i>Cops7a</i>	chr6:124958412-124965538	14.3010	12.5752	-0.1855	0.022201
<i>Ppme1</i>	chr7:100326736-100371896	17.7914	15.7759	-0.1735	0.010358
<i>Eij2b5</i>	chr16:20498816-20509955	32.7617	28.8669	-0.1826	0.061827
<i>Gm14453</i>	chr2:173025684-173034580	35.8091	28.8812	-0.3102	0.091570
<i>Gm13833</i>	chr6:31102845-31104646	4.9297	7.1691	0.5403	0.031882
<i>Stx4a</i>	chr7:127824293-127849019	19.0428	22.0639	0.2124	0.021704
<i>Prdm9</i>	chr17:15543078-15564354	1.8229	2.4211	0.4094	0.032353
<i>Traf1</i>	chr2:34941749-34961772	28.0057	31.9947	0.1921	0.034442
<i>Rpl3</i>	chr15:80077780-80083406	98.0446	81.2672	-0.2708	0.109255
<i>Atp6v0c</i>	chr17:24163865-24169702	1.6104	2.1619	0.4249	0.005716
<i>Sjfn3</i>	chr11:83191329-83215154	4.7089	6.1893	0.3944	0.038992
<i>Tssk6</i>	chr8:69902183-69903516	4.9910	3.6551	-0.4494	0.057307
<i>H60b</i>	chr10:22158585-22288849	3.9479	6.0602	0.6183	0.105299
<i>Dscr3</i>	chr16:94497782-94526830	22.4476	19.8843	-0.1749	0.035940
<i>Ephb6</i>	chr6:41605481-41620509	22.2801	19.4137	-0.1987	0.088068
<i>Slc39a3</i>	chr10:81028537-81037426	10.8883	9.3770	-0.2156	0.058492
<i>Gm21971</i>	chr12:102673016-102727333	2.3582	3.1209	0.4042	0.021185
<i>Dusp4</i>	chr8:34807296-34819894	1.4480	2.4007	0.7294	0.149528

<i>Capza1</i>	chr3:104822778-104864505	25.4093	21.6411	-0.2316	0.072973
<i>Szrd1</i>	chr4:141113000-141139775	38.0100	34.0798	-0.1575	0.033339
<i>Helz</i>	chr11:107547929-107693826	5.9607	7.2524	0.2830	0.117278
<i>Gm26571</i>	chr12:83950689-83951355	13.5911	10.4493	-0.3793	0.043313
<i>9230104M06Rik</i>	chr12:112999963-113001926	5.1437	3.7398	-0.4598	0.068109
<i>Msh6</i>	chr17:87975049-87990883	36.1756	31.9371	-0.1798	0.083645
<i>Fbxo45</i>	chr16:32230111-32247158	7.7420	6.7247	-0.2032	0.030775
<i>Hlcs</i>	chr16:94129194-94313563	6.7581	8.1990	0.2788	0.059101
<i>Mfsd11</i>	chr11:116852439-116875635	7.7900	6.7191	-0.2134	0.082846
<i>Emb</i>	chr13:117220624-117274098	181.5643	158.1262	-0.1994	0.072785
<i>Nrbp1</i>	chr5:31240863-31251566	58.5305	53.9152	-0.1185	0.024675
<i>Gm26625</i>	chr6:47546665-47551704	1.2534	1.9071	0.6055	0.056732
<i>Zfp747</i>	chr7:127372563-127376050	10.3283	9.0321	-0.1935	0.000981
<i>Cd81</i>	chr7:143052738-143067934	12.9334	10.8077	-0.2590	0.060002
<i>H2-K2</i>	chr17:33974785-33978788	48.2771	42.4382	-0.1860	0.051722
<i>Ap5b1</i>	chr19:5568073-5571261	18.1549	15.9168	-0.1898	0.057881
<i>Preb</i>	chr5:30950852-30960330	13.6312	15.4848	0.1839	0.025346
<i>A830010M20Rik</i>	chr5:107497377-107580596	2.8301	3.3997	0.2645	0.032953
<i>Nfatc3</i>	chr8:106059602-106130537	41.4038	49.0097	0.2433	0.078124
<i>Sap130</i>	chr18:31634370-31723061	9.1795	11.4154	0.3145	0.108900
<i>Usp6nl</i>	chr2:6322666-6446390	4.1759	5.2629	0.3338	0.109185
<i>Anxa5</i>	chr3:36448924-36475843	54.8177	46.9264	-0.2242	0.072644
<i>Ankra2</i>	chr13:98263157-98274750	11.8312	13.6998	0.2116	0.008793
<i>2310057M21Rik</i>	chr7:131342717-131362698	5.2209	6.4574	0.3066	0.005452
<i>Cacnb1</i>	chr11:98001507-98023034	5.2466	4.4113	-0.2502	0.063978
<i>Uggt1</i>	chr1:36141529-36244305	44.3666	40.2751	-0.1396	0.070652
<i>Gm20458</i>	chr2:164460966-164490760	15.5863	13.1839	-0.2415	0.035714
<i>Gm26917</i>	chr17:39843012-39846341	2368.5799	1964.3141	-0.2700	0.138642
<i>Stambp</i>	chr6:83543205-83572504	2.0816	2.8950	0.4759	0.037786
<i>Cmah</i>	chr13:24327419-24477285	37.4370	43.1498	0.2049	0.057227
<i>Sertad3</i>	chr7:27473767-27477359	16.7536	13.8413	-0.2755	0.048459
<i>B3galt2</i>	chr1:143640663-143650406	1.0799	1.5374	0.5095	0.088495
<i>Zc3h12d</i>	chr10:7832469-7870397	20.6839	24.9941	0.2731	0.097369
<i>Ralgapa1</i>	chr12:55602928-55821167	18.3029	21.1023	0.2053	0.057955
<i>Psme3</i>	chr11:101316212-101323537	30.5711	27.6943	-0.1426	0.017782
<i>Abhd14a</i>	chr9:106440050-106447678	3.2679	2.4039	-0.4430	0.001301
<i>Cct5</i>	chr15:31590799-31601847	141.9896	124.9793	-0.1841	0.063970
<i>Desi1</i>	chr15:81992522-82033862	4.1651	5.2776	0.3415	0.062462
<i>Nol10</i>	chr12:17348457-17430094	6.0759	7.3043	0.2657	0.015399
<i>Psmb10</i>	chr8:105935727-105938392	104.3382	90.9598	-0.1980	0.089814
<i>Mccc1</i>	chr3:35959311-36000678	1.3368	1.7991	0.4285	0.111176
<i>BC068281</i>	chr12:4843302-4856925	3.7256	3.0380	-0.2943	0.013508
<i>Sptlc2</i>	chr12:87305057-87388355	15.4052	13.8680	-0.1517	0.063499
<i>Iggap2</i>	chr13:95627176-95891922	48.3790	45.2951	-0.0950	0.004248
<i>NA</i>	chr4:6445037-6447912	1.9957	2.7840	0.4802	0.065398
<i>Stra13</i>	chr11:120710941-120713738	15.5783	12.3172	-0.3389	0.050150
<i>Cox8a</i>	chr19:7215157-7217616	108.3801	90.3963	-0.2618	0.091806
<i>Knstrn</i>	chr2:118814002-118853957	1.7845	2.2669	0.3452	0.019611
<i>Fmr1</i>	chrX:68678540-68717963	11.2123	12.7152	0.1815	0.022529
<i>Lrrc8d</i>	chr5:105699968-105832436	1.6003	2.0715	0.3723	0.099284
<i>Ejf1</i>	chr11:100319884-100322096	21.0446	27.7118	0.3970	0.172848
<i>H2afz</i>	chr3:137864486-137866922	5.5526	7.0393	0.3423	0.020850
<i>Commd1</i>	chr11:22834743-22982382	17.6989	20.0614	0.1808	0.022047
<i>Nono</i>	chrX:101429317-101448591	53.0932	47.2358	-0.1686	0.058116
<i>Snord35b</i>	chr7:45123024-45123111	351.0670	307.0427	-0.1933	0.011543
<i>Gm23547</i>	chr6:124715231-124715502	31.4921	41.6174	0.4022	0.059671
<i>Zmynd19</i>	chr2:24949791-24962075	4.9158	4.2195	-0.2203	0.013546
<i>Atp11b</i>	chr3:35754133-35856274	40.6351	47.1143	0.2134	0.069506
<i>Rcc2</i>	chr4:140700540-140723220	55.2343	49.7421	-0.1511	0.060693
<i>Gm14966</i>	chr19:6355521-6363759	8.2195	10.8574	0.4016	0.023710
<i>Gm26690</i>	chr7:127982569-127984881	3.2924	4.4706	0.4413	0.049980
<i>Apc</i>	chr18:34220923-34322189	10.3915	12.1623	0.2270	0.079604
<i>Akirin1</i>	chr4:123734558-123750345	21.3738	19.1169	-0.1610	0.027201
<i>Tcf12</i>	chr9:71844251-72111819	43.5332	40.6057	-0.1004	0.003255
<i>Huwe1</i>	chrX:151800806-151935417	26.4449	31.8002	0.2660	0.133584
<i>Phactr2</i>	chr10:13207716-13474396	0.8949	1.7237	0.9457	0.113164
<i>Zrsr1</i>	chr11:22972004-22976496	10.8528	12.7646	0.2341	0.038856
<i>Cdk5r1</i>	chr11:80477045-80481179	1.4517	2.1846	0.5896	0.167419
<i>Dus1l</i>	chr11:120789200-120796403	20.2742	18.4352	-0.1372	0.014913
<i>Lrrc8c</i>	chr5:105519387-105613018	10.2886	12.2209	0.2483	0.071810
<i>Wdr46</i>	chr17:33940659-33949695	29.7496	27.1099	-0.1341	0.014859

<i>Gpr160</i>	chr3:30855949-30897192	0.9927	1.4132	0.5096	0.033753
<i>Flcn</i>	chr11:59791407-59810016	17.0611	15.0108	-0.1847	0.080789
<i>A530017D24Rik</i>	chr11:61864567-61868058	6.0598	7.3279	0.2741	0.014993
<i>Pdp1f</i>	chr2:181187246-181188771	22.4413	18.7307	-0.2607	0.068218
<i>Fxr2</i>	chr11:69632989-69653297	24.2118	22.1180	-0.1305	0.009643
<i>Ccdc137</i>	chr11:120458114-120464358	10.3488	9.0470	-0.1940	0.038457
<i>Rbm33</i>	chr5:28317120-28419244	14.4499	17.3176	0.2612	0.106752
<i>Itga4</i>	chr2:79255425-79333123	43.0466	53.6252	0.3170	0.145060
<i>Inpp1</i>	chr7:101822632-101838226	1.4197	2.1138	0.5743	0.134997
<i>Tbc1d8b</i>	chrX:139684995-139753405	4.6364	5.5714	0.2650	0.039350
<i>Xpr1</i>	chr1:155275700-155417415	6.0051	6.7670	0.1723	0.011231
<i>Dnajb13</i>	chr7:100503017-100514960	5.7892	4.3961	-0.3971	0.079026
<i>Slc27a4</i>	chr2:29802633-29817522	8.5840	7.3492	-0.2241	0.067154
<i>Gtf3c2</i>	chr5:31151141-31180144	14.1788	16.6178	0.2290	0.060863
<i>Ercc2</i>	chr7:19382009-19395694	16.4951	14.8758	-0.1491	0.039779
<i>Gpaa1</i>	chr15:76331230-76334907	13.7910	12.1219	-0.1861	0.039099
<i>Nagpa</i>	chr16:5195288-5204012	16.3782	14.2786	-0.1979	0.056015
<i>Fam168b</i>	chr1:34813218-34843065	87.2350	80.6880	-0.1126	0.046746
<i>Scarb2</i>	chr5:92443872-92505608	48.6858	44.2051	-0.1393	0.022574
<i>Wdr20</i>	chr12:110737948-110795028	18.1661	16.1407	-0.1705	0.026965
<i>Polg</i>	chr7:79448790-79466362	33.8423	30.6334	-0.1437	0.071845
<i>Spon1</i>	chr7:113765997-114043370	0.7881	1.0727	0.4449	0.048028
<i>Zmiz1</i>	chr14:25459184-25666743	2.3028	3.1069	0.4321	0.164447
<i>Gpsm1</i>	chr2:26315514-26348237	4.3491	3.6935	-0.2357	0.059558
<i>C92009B18Rik</i>	chr10:22306701-22321765	3.2774	4.1792	0.3507	0.071944
<i>Abcb8</i>	chr5:24393662-24410054	6.0270	5.2606	-0.1962	0.021913
<i>Ppat</i>	chr5:76913248-76951578	17.4810	15.4557	-0.1776	0.047252
<i>B230325K18Rik</i>	chr7:127983078-127985701	3.0663	4.0609	0.4053	0.052823
<i>Ahsa1</i>	chr12:87266745-87273997	78.8637	68.7882	-0.1972	0.074522
<i>Kctd18</i>	chr1:57955100-58018956	5.8059	6.6202	0.1894	0.021379
<i>Map3k3</i>	chr11:106084612-106155446	73.5638	68.4820	-0.1033	0.009628
<i>Peak1</i>	chr9:56201130-56418050	2.2938	2.9179	0.3472	0.121138
<i>Acpp</i>	chr9:104288250-104337728	2.2174	1.6465	-0.4295	0.144996
<i>Ecd</i>	chr14:20319858-20348121	25.3781	22.7665	-0.1567	0.042327
<i>NA</i>	chr19:8772521-8774467	61.0266	53.3689	-0.1934	0.054910
<i>St8sia6</i>	chr2:13651019-13793808	21.4954	25.3807	0.2397	0.077146
<i>Ddx24</i>	chr12:103407975-103425867	58.0377	66.0735	0.1871	0.038782
<i>Acat1</i>	chr9:53580521-53610382	26.9836	23.8559	-0.1777	0.059147
<i>Snx4</i>	chr16:33251455-33299562	65.4584	58.5122	-0.1618	0.060272
<i>Creld2</i>	chr15:88819645-88826681	14.8569	12.6838	-0.2282	0.017043
<i>Cacna1a</i>	chr8:84388439-84640246	0.4253	0.6295	0.5659	0.085047
<i>Atcay</i>	chr10:81204507-81230833	1.3945	2.0164	0.5320	0.140738
<i>Snap47</i>	chr11:59407133-59451186	11.1118	9.3881	-0.2432	0.061128
<i>Chrn1</i>	chr11:69784035-69795943	2.1949	2.9717	0.4371	0.034052
<i>Atad2b</i>	chr12:4917403-5044047	18.7809	21.1774	0.1733	0.016104
<i>Gm26583</i>	chr12:112946362-112950512	4.3828	3.6615	-0.2594	0.029414
<i>Gatsl2</i>	chr5:134099710-134144343	1.0768	1.4092	0.3882	0.034203
<i>U2af2</i>	chr7:5062142-5079945	56.0090	50.1528	-0.1593	0.046015
<i>Mrpl48</i>	chr7:100545750-100608297	4.2434	3.6872	-0.2027	0.010088
<i>Zfp827</i>	chr8:79028436-79193766	1.5830	2.0259	0.3559	0.076525
<i>Pja1</i>	chrX:99465733-99471273	27.1474	23.7807	-0.1910	0.065519
<i>Saysd1</i>	chr14:20075645-20083172	9.1019	7.7961	-0.2234	0.011570
<i>Lrrc58</i>	chr16:37868388-37888858	10.7454	12.4106	0.2079	0.050080
<i>Upf2</i>	chr2:5951468-6056703	16.9400	19.2959	0.1879	0.021283
<i>Asx1</i>	chr2:153345844-153404007	20.8044	24.3437	0.2267	0.094082
<i>Tstd2</i>	chr4:46114745-46138694	11.8057	10.5772	-0.1585	0.023271
<i>Nipal3</i>	chr4:135446136-135495038	19.2924	17.2660	-0.1601	0.101181
<i>Def6</i>	chr17:28207777-28228608	90.5737	82.4482	-0.1356	0.055216
<i>Cdk4</i>	chr10:127063533-127067920	38.9458	34.5948	-0.1709	0.069062
<i>Snord15a</i>	chr7:99482784-99482932	37.1790	50.7955	0.4502	0.049305
<i>Acvrl1</i>	chr15:101128521-101145336	15.6926	13.2395	-0.2452	0.109565
<i>Nsun3</i>	chr16:62732443-62786818	3.3062	4.0425	0.2901	0.026623
<i>Tiam1</i>	chr16:89787110-89980080	3.0716	5.9703	0.9588	0.120309
<i>Sh3bp2</i>	chr5:34525837-34563638	3.6837	4.4655	0.2777	0.018797
<i>Baz2a</i>	chr10:128092782-128129303	21.2874	24.8865	0.2254	0.096608
<i>Gnb4</i>	chr3:32580331-32616585	2.8092	2.3087	-0.2831	0.149127
<i>4932438A13Rik</i>	chr3:36863105-37053033	26.1648	31.1403	0.2512	0.118972
<i>Snrpd3</i>	chr10:75518041-75535440	27.7911	34.8231	0.3254	0.052073
<i>Fam173a</i>	chr17:25790507-25792284	59.2383	52.2401	-0.1814	0.049086
<i>Nudt5</i>	chr2:5845018-5871895	7.8737	6.8292	-0.2053	0.069327
<i>Bcl2l12</i>	chr7:44991221-44998712	17.4706	15.0372	-0.2164	0.071203

<i>Mrpl12</i>	chr11:120484612-120489065	12.3116	15.5085	0.3330	0.083175
<i>Dnajc7</i>	chr11:100582817-100620168	46.9092	53.4255	0.1877	0.029055
<i>Kat6b</i>	chr14:21481433-21672478	3.0848	3.7889	0.2966	0.087721
<i>Ifnar2</i>	chr16:91372782-91405589	27.3121	24.9192	-0.1323	0.035172
<i>Ankrd50</i>	chr3:38449260-38484844	11.2374	10.2957	-0.1263	0.017164
<i>Socs4</i>	chr14:47276930-47296098	9.4013	10.5725	0.1694	0.000764
<i>Cpd</i>	chr11:76778423-76847018	0.4758	0.8240	0.7924	0.161145
<i>Acadl</i>	chr1:66830838-66863277	12.4920	14.7143	0.2362	0.022416
<i>Dnttip2</i>	chr3:122274413-122285269	35.6813	41.4241	0.2153	0.036827
<i>Npc2</i>	chr12:84754559-84773112	151.1337	131.8355	-0.1971	0.104872
<i>Ppp1r15a</i>	chr7:45522915-45526268	10.6869	14.6510	0.4552	0.232532
<i>Ankrd10</i>	chr8:11611582-11635754	38.4759	34.7251	-0.1480	0.069274
<i>Ppp3cb</i>	chr14:20499363-20546573	18.5675	20.7699	0.1617	0.013902
<i>Plekha1</i>	chr3:95988428-95996001	4.8743	6.8118	0.4829	0.152948
<i>Mmg1</i>	chrX:56585511-56598069	7.8594	9.2828	0.2401	0.034783
<i>Arfgef1</i>	chr1:10137570-10232670	18.3037	20.9157	0.1925	0.056378
<i>Zbtb45</i>	chr7:13004935-13009822	7.6996	6.4131	-0.2638	0.061919
<i>Gatb</i>	chr3:85574118-85655622	4.4519	3.7591	-0.2440	0.045713
<i>Mis18bp1</i>	chr12:65132733-65172604	0.6068	0.8634	0.5089	0.091495
<i>Gm26786</i>	chr8:106237902-106425728	2.5160	3.0264	0.2665	0.004683
<i>Megf11</i>	chr9:64385625-64709205	1.0399	1.3276	0.3524	0.078723
<i>Pccb</i>	chr9:100982031-101034898	11.0202	9.6229	-0.1956	0.035332
<i>Cd40lg</i>	chrX:57212142-57224042	16.2683	19.5595	0.2658	0.032155
<i>Otud5</i>	chrX:7841363-7876626	40.5810	37.5700	-0.1112	0.027234
<i>Kifc2</i>	chr15:76660640-76668196	5.1601	4.3545	-0.2449	0.016318
<i>Cars</i>	chr7:143557229-143600090	12.2364	14.5801	0.2528	0.073089
<i>Senp7</i>	chr16:56075408-56190011	17.2975	19.6728	0.1856	0.017854
<i>Adpgk</i>	chr9:59291571-59316199	41.3240	36.9666	-0.1608	0.095923
<i>Ets1</i>	chr9:32696041-32757820	744.5036	690.5387	-0.1086	0.028653
<i>Rtcb</i>	chr10:85938636-85957823	74.0107	67.2481	-0.1382	0.045916
<i>B4galt7</i>	chr13:55599895-55610443	17.9738	16.0912	-0.1596	0.019579
<i>Cotl1</i>	chr8:119809224-119840579	294.5121	257.8680	-0.1917	0.088355
<i>Abhd6</i>	chr14:8002901-8056555	1.7656	2.6042	0.5607	0.056238
<i>Ccdc91</i>	chr6:147475870-147632612	9.9479	8.6304	-0.2050	0.021311
<i>Helz2</i>	chr2:181227614-181242027	26.0082	32.4597	0.3197	0.164016
<i>2810001G20Rik</i>	chr11:64079483-64083259	67.2266	57.9276	-0.2148	0.096716
<i>Nln</i>	chr13:104023438-104109614	4.4203	3.7153	-0.2507	0.043107
<i>lft172</i>	chr5:31253279-31291114	3.0938	3.8178	0.3034	0.054453
<i>2410131K14Rik</i>	chr5:118245226-118266093	6.1416	5.4457	-0.1735	0.016249
<i>Psph</i>	chr5:129765557-129787252	6.4289	5.3056	-0.2770	0.078104
<i>Zdhhc2</i>	chr8:40423814-40510268	2.2944	3.1389	0.4522	0.160710
<i>Prkce</i>	chr17:86167784-86657919	2.3182	2.8240	0.2847	0.044011
<i>Rmi2</i>	chr16:10835058-10892966	2.2886	1.7958	-0.3499	0.062430
<i>Mcm4</i>	chr16:15623896-15637400	28.6322	32.1602	0.1676	0.015358
<i>Gm26649</i>	chr1:64029462-64032927	4.6803	5.7751	0.3033	0.046353
<i>Vamp4</i>	chr1:162570514-162599084	8.6475	10.5212	0.2829	0.066785
<i>Sell</i>	chr1:164062075-164080785	530.8043	484.7387	-0.1310	0.079091
<i>Tnfaip8l2</i>	chr3:95139520-95142360	138.7353	123.0619	-0.1730	0.074881
<i>Efhd2</i>	chr4:141858141-141874920	13.3517	16.1026	0.2703	0.072235
<i>Kcnab2</i>	chr4:152390741-152477871	40.4567	37.1013	-0.1249	0.053468
<i>Hipk2</i>	chr6:38694389-38876165	2.1018	2.9007	0.4648	0.178198
<i>Cyfp2</i>	chr11:46193849-46312859	34.2674	40.0819	0.2261	0.098357
<i>Arhgef10</i>	chr8:14911662-15001085	2.1056	1.7548	-0.2629	0.071049
<i>Supt3</i>	chr17:44777151-45119290	1.1671	1.5501	0.4094	0.003986
<i>Alkbh5</i>	chr11:60536380-60558512	18.2372	16.4420	-0.1495	0.081121
<i>ltgae</i>	chr11:73090582-73147446	0.7111	1.1303	0.6686	0.118080
<i>Ndufa13</i>	chr8:69894187-69902558	81.7441	70.0597	-0.2225	0.121276
<i>Cyp4f16</i>	chr17:32536557-32551798	2.0942	2.7738	0.4055	0.038835
<i>Ddx39b</i>	chr17:35241745-35253707	99.6168	90.3543	-0.1408	0.080255
<i>Med20</i>	chr17:47611581-47624418	15.1309	13.4915	-0.1655	0.079680
<i>Tbc1d8</i>	chr1:39371498-39478747	5.6162	6.6516	0.2441	0.023516
<i>Sh3glb2</i>	chr2:30344808-30359337	24.6178	21.9498	-0.1655	0.075429
<i>Acss1</i>	chr2:150618104-150668500	21.4341	19.6002	-0.1290	0.038654
<i>Psmd4</i>	chr3:95032693-95042614	57.0789	51.1368	-0.1586	0.069904
<i>Ago3</i>	chr4:126331703-126429556	4.4931	5.2978	0.2377	0.095424
<i>Susd3</i>	chr13:49230689-49248706	8.3786	6.8153	-0.2979	0.112367
<i>Scarna13</i>	chr12:105031074-105031349	747.8921	628.0224	-0.2520	0.119407
<i>Wdr82</i>	chr9:106170928-106191706	76.6045	70.0938	-0.1281	0.053619
<i>Polr1c</i>	chr17:46243919-46248054	22.2105	19.4722	-0.1898	0.054714
<i>Tsen54</i>	chr11:115814723-115823094	6.4611	5.4799	-0.2376	0.011290
<i>Zbtb17</i>	chr4:141444653-141467930	13.5157	11.8726	-0.1870	0.082440

Zfp407	chr18:84128026-84589725	6.7392	7.9798	0.2438	0.111126
Synj1	chr16:90936091-91011308	6.3803	7.6078	0.2539	0.100821
Hirip3	chr7:126861971-126865377	3.3711	4.2823	0.3452	0.026611
A230020J21Rik	chr1:191025349-191026186	9.8851	7.5798	-0.3831	0.072502
Sfi1	chr11:3131849-3193463	22.9275	26.7566	0.2228	0.100308
Irf2bp1	chr7:19004064-19006761	15.6330	13.2791	-0.2354	0.107997
Urb1	chr16:90751526-90810413	12.8208	11.7160	-0.1300	0.044711
Ahnak	chr19:8989283-9076919	17.6221	33.6005	0.9311	0.079845
Hsd11b1	chr1:193221629-193264054	35.0662	31.5625	-0.1519	0.042563
Cuta	chr17:26937972-26939478	51.4460	43.5379	-0.2408	0.108583
Glrx	chr13:75839867-75850151	7.4754	10.4889	0.4886	0.187940
Abcb1b	chr5:8798146-8866314	4.2535	5.1401	0.2732	0.036518
Maf	chr8:115682941-115707794	3.7075	10.0203	1.4344	0.150874
Gne	chr4:44034074-44084177	9.8476	8.9108	-0.1442	0.034044
Idh3b	chr2:130279308-130284547	46.2845	41.8146	-0.1465	0.068757
Pvr	chr7:19903577-19921160	11.3307	10.1871	-0.1535	0.042509
Kmt2a	chr9:44803354-44881296	11.6866	16.7495	0.5193	0.114243
Tox4	chr14:52279145-52296391	27.0075	24.7555	-0.1256	0.037245
Pcbp1	chr6:86524498-86526171	14.3658	18.1120	0.3343	0.117345
Gm26586	chr8:72137388-72140820	21.2561	18.7263	-0.1828	0.046964
Padi2	chr4:140906343-140952586	7.5028	5.9805	-0.3272	0.143925
Jkamp	chr12:72085588-72101461	10.2236	8.7678	-0.2216	0.055244
Ggps1	chr13:14052448-14063401	42.8392	37.9418	-0.1751	0.072783
Urm1	chr2:29820074-29845002	8.3254	7.2609	-0.1974	0.034628
Wasf2	chr4:133130504-133199756	15.3039	18.2817	0.2565	0.115549
Clic4	chr4:135213968-135272814	5.3882	6.2802	0.2210	0.024609
Hspa4	chr11:53259813-53300457	53.4476	48.1384	-0.1509	0.079779
G530012D18Rik	chr1:85575675-85577295	35.1202	44.0629	0.3273	0.060433
Noc2l	chr4:156236009-156247616	51.6347	47.3145	-0.1261	0.040807
Dapk1	chr13:60601946-60763185	4.7439	3.9025	-0.2817	0.143062
Cd4	chr6:124864691-124888221	240.3847	224.8165	-0.0966	0.044133
Eij4enif1	chr11:3202391-3244588	9.0575	10.3057	0.1863	0.025906
Kremen1	chr11:5191551-5261558	11.9300	10.8061	-0.1427	0.075455
Ung	chr5:114130385-114139323	4.8971	4.0370	-0.2786	0.024137
Rnf185	chr11:3415981-3452363	11.9963	10.5715	-0.1824	0.046639
Wipf2	chr11:98863637-98905040	3.1567	3.8419	0.2834	0.087998
Slc2a3	chr6:122727808-122801640	8.3350	7.2467	-0.2018	0.084611
Flt3l	chr7:45131187-45136432	45.4164	40.7969	-0.1548	0.071052
Ears2	chr7:122037212-122067263	8.5776	7.3617	-0.2205	0.101165
Ccr5	chr9:124121542-124147699	0.8723	2.7787	1.6715	0.215473
Arhgap31	chr16:38598339-38713274	5.4262	6.8511	0.3364	0.139170
NA	chr1:151344368-151344736	29.0505	23.3954	-0.3123	0.035491
Tcerg1	chr18:42511509-42575551	19.5782	22.1868	0.1805	0.036793
Arnt	chr3:95434387-95497240	8.3519	9.5244	0.1895	0.033679
Slc36a4	chr9:15709737-15742384	1.4051	2.0825	0.5676	0.160553
Ncoa7	chr10:30645583-30803107	11.2683	12.8293	0.1872	0.021068
Naaa	chr5:92257658-92278170	3.0860	2.4816	-0.3144	0.066432
Pole4	chr6:82618991-82705365	19.3211	16.6521	-0.2145	0.085099
Gm4673	chr7:30957408-30961619	4.6845	5.7207	0.2883	0.063980
Lamp1	chr8:13159134-13175338	76.4541	69.0274	-0.1474	0.074972
Prr13	chr15:102459027-102462806	17.7915	22.1322	0.3150	0.110156
Thap7	chr16:17527981-17531136	22.8287	20.2047	-0.1762	0.036443
Dnajb5	chr4:42949813-42959425	2.5477	3.1147	0.2899	0.027155
Ccdc28b	chr4:129619273-129623947	5.6671	7.7814	0.4574	0.147543
Tpm4	chr8:72134974-72153142	112.4412	98.4971	-0.1910	0.109178
Dld	chr12:31331563-31351437	23.7947	26.9327	0.1787	0.003051
Gfi1	chr5:107716656-107726036	5.2732	6.3672	0.2720	0.023623
Zfp14	chr7:30038052-30044734	7.3429	5.9823	-0.2957	0.037903
Ocrl	chrX:47912386-47965868	1.5029	1.8242	0.2795	0.029466
Apobec3	chr15:79891658-79915906	18.7743	22.1812	0.2406	0.098672
Bach2os	chr4:32559679-32571708	4.4432	6.4307	0.5334	0.212578
Ippk	chr13:49421310-49462990	15.2268	13.4689	-0.1770	0.049694
Tmem115	chr9:107533944-107538656	21.5837	19.1977	-0.1690	0.066792
Stxbp5	chr10:9755546-9901079	6.3460	7.2171	0.1856	0.040118
Max	chr12:76937268-76962248	51.8652	47.2258	-0.1352	0.037647
Eftud1	chr7:82648613-82777852	9.8495	11.1639	0.1807	0.000998
Atp13a1	chr8:69791162-69807749	46.5514	42.2929	-0.1384	0.097620
Rabgga	chr14:55715872-55722257	24.5562	22.0270	-0.1568	0.075792
Pram1	chr17:33638055-33645706	1.5952	2.2296	0.4831	0.050982
Mrpl2	chr17:46646228-46650139	23.8129	20.4374	-0.2205	0.067889
Exosc8	chr3:54728677-54735393	18.8366	21.5878	0.1967	0.035437

<i>Ptger2</i>	chr14:44988194-45003820	2.6700	3.9890	0.5792	0.191054
<i>Mthfd1l</i>	chr10:3973117-4167081	19.1412	17.3844	-0.1389	0.038058
<i>Hnrnpf</i>	chr6:117900323-117925622	29.4244	26.1996	-0.1675	0.081296
<i>Ranbp3</i>	chr17:56673224-56711769	52.6555	48.0978	-0.1306	0.046417
<i>Zbtb37</i>	chr1:161008793-161034849	13.2182	15.3400	0.2148	0.057421
<i>Usp12</i>	chr5:146734808-146795006	16.2075	18.9516	0.2257	0.042338
<i>Bzw2</i>	chr12:36091845-36156825	107.7806	93.0028	-0.2128	0.118748
<i>Tbc1d10b</i>	chr7:127197464-127208468	21.5549	19.6173	-0.1359	0.066986
<i>Prkacb</i>	chr3:146729578-146812960	71.2297	64.9804	-0.1325	0.052873
<i>Ddx55</i>	chr5:124552863-124569660	9.1536	8.3081	-0.1398	0.004117
<i>Jrkl</i>	chr9:13242789-13245741	8.2685	9.8233	0.2486	0.033150
<i>Pfkfb2</i>	chr1:130689042-130729253	7.6452	6.8980	-0.1484	0.045397
<i>Sptan1</i>	chr2:29965559-30031451	91.0573	84.0464	-0.1156	0.074439
<i>Ppp2r3c</i>	chr12:55280813-55303000	7.0936	8.5781	0.2741	0.031686
<i>Brp</i>	chr5:121660562-121687248	26.2343	23.8132	-0.1397	0.049419
<i>Tank</i>	chr2:61578584-61654171	19.2507	22.4224	0.2200	0.078073
<i>Peli1</i>	chr11:21091290-21150323	49.2460	54.6205	0.1494	0.023737
<i>B3gnt2</i>	chr11:22834746-22860961	38.1129	43.2036	0.1809	0.041619
<i>Lrrn3</i>	chr12:41451672-41485751	1.1127	1.6935	0.6059	0.092860
<i>Dnaaf2</i>	chr12:69189086-69198429	10.2781	8.9495	-0.1997	0.056989
<i>Zbtb1</i>	chr12:76370265-76396950	10.0505	11.4641	0.1899	0.059310
<i>Aup1</i>	chr6:83054652-83057680	87.9436	79.7267	-0.1415	0.065929
<i>Rp9</i>	chr9:22448310-22468356	72.1172	63.8070	-0.1766	0.071961
<i>Cyp2d22</i>	chr15:82370527-82380260	5.0108	4.1251	-0.2806	0.063358
<i>C430014B12Rik</i>	chr1:82691927-82725117	7.2444	5.4139	-0.4202	0.085315
<i>Gm11973</i>	chr11:6475424-6493535	9.6733	7.7088	-0.3275	0.044511
<i>Hsd17b7</i>	chr1:169949534-169969241	3.4040	2.8028	-0.2804	0.078966
<i>Usp39</i>	chr6:72318677-72345184	26.6679	23.6424	-0.1737	0.057437
<i>Eif4g1</i>	chr16:20668312-20692884	74.5757	68.5714	-0.1211	0.080354
<i>Rabep2</i>	chr7:126428758-126449245	10.9147	9.7008	-0.1701	0.102846
<i>Oxct1</i>	chr15:4026382-4155344	48.8574	43.5399	-0.1662	0.079649
<i>Gfod1</i>	chr13:43195518-43304172	2.0250	2.6208	0.3721	0.102768
<i>Gm20507</i>	chr17:33630758-33645705	3.6853	4.5713	0.3108	0.030887
<i>Fgd6</i>	chr10:94036000-94145339	0.7169	0.9702	0.4364	0.084757
<i>Sulf2</i>	chr2:166073088-166155663	0.6878	0.9892	0.5243	0.061372
<i>Cog6</i>	chr3:52982122-53017223	16.9669	15.1764	-0.1609	0.032884
<i>Vps54</i>	chr11:21239280-21321136	23.6350	28.0515	0.2472	0.118289
<i>Aes</i>	chr10:81559493-81566362	330.8525	286.1136	-0.2096	0.151342
<i>Nme4</i>	chr17:26091733-26095508	7.2445	5.8490	-0.3087	0.031756
<i>Tbc1d10c</i>	chr19:4184357-4191047	254.1778	237.2112	-0.0997	0.053707
<i>Gm16158</i>	chr7:68338667-68353201	7.8706	10.8213	0.4593	0.074460
<i>9330154K18Rik</i>	chr15:57717803-57738666	1.6640	2.2797	0.4542	0.119959
<i>Trpc4ap</i>	chr2:155634270-155692384	25.3667	23.4294	-0.1146	0.063168
<i>Gm22133</i>	chr7:45458088-45458197	561.0688	453.6720	-0.3065	0.146439
<i>Trmu</i>	chr15:85879311-85897394	8.8753	7.6854	-0.2077	0.080338
<i>Pptc7</i>	chr5:122284364-122324281	29.8055	27.1993	-0.1320	0.073681
<i>Acot8</i>	chr2:164792767-164804882	13.0310	11.5483	-0.1743	0.000790
<i>Pfkfb3</i>	chr2:11471429-11502101	6.3164	7.1773	0.1843	0.006970
<i>Cep290</i>	chr10:100488288-100573655	0.9297	1.2914	0.4741	0.140342
<i>Slc11a2</i>	chr15:100387897-100425072	7.0214	6.3152	-0.1529	0.020078
<i>Tor4a</i>	chr2:25192965-25196886	43.7137	39.7169	-0.1383	0.106233
<i>Trmt44</i>	chr5:35557205-35575070	5.5818	4.6785	-0.2547	0.119665
<i>Dhx16</i>	chr17:35879818-35892670	38.5672	34.5639	-0.1581	0.104909
<i>Rtp4</i>	chr16:23609918-23614222	27.7699	36.4398	0.3920	0.161623
<i>Gm9806</i>	chr19:16780546-16781103	15.4232	12.5577	-0.2965	0.004166
<i>Phf11c</i>	chr14:59380832-59395381	14.5633	17.4605	0.2617	0.093151
<i>Acadvl</i>	chr11:70010182-70015411	41.3009	37.8858	-0.1245	0.044233
<i>Ddx21</i>	chr10:62580247-62602298	58.9868	66.9257	0.1822	0.042492
<i>Cops6</i>	chr5:138161070-138164646	12.6507	14.8347	0.2298	0.031654
<i>Tmem8</i>	chr17:26113315-26123254	9.0829	7.9894	-0.1851	0.060521
<i>Zfp318</i>	chr17:46383730-46420920	6.6025	7.7777	0.2363	0.079236
<i>Pyhin1</i>	chr1:173630858-173647928	106.0778	120.3801	0.1825	0.058779
<i>Slc25a53</i>	chrX:136981115-137038302	0.8855	1.1711	0.4033	0.063634
<i>Cpsf3l</i>	chr4:155869545-155889103	28.3601	25.9493	-0.1282	0.020146
<i>Med13l</i>	chr5:118560718-118765435	20.1568	23.4782	0.2201	0.109563
<i>Fuk</i>	chr8:110882462-110902459	6.3519	5.4376	-0.2242	0.070118
<i>Tor3a</i>	chr1:156653616-156674356	5.1427	6.3618	0.3069	0.085428
<i>Pdf</i>	chr8:107044697-107048614	23.4462	21.1507	-0.1487	0.005427
<i>Plcx1</i>	chr5:110099968-110105953	9.5812	8.1973	-0.2250	0.118535
<i>Neurl3</i>	chr1:36264601-36273425	29.1881	34.8400	0.2554	0.077408
<i>B930094E09Rik</i>	chr18:31609511-31610751	5.1939	4.0053	-0.3749	0.046185

<i>Eif4a3</i>	chr11:119288362-119300089	48.3440	43.3404	-0.1576	0.059586
<i>Wdr4</i>	chr17:31494322-31519974	6.7369	5.9563	-0.1777	0.052538
<i>Arl5b</i>	chr2:15049394-15082456	10.2712	9.4166	-0.1253	0.017294
<i>Gm26835</i>	chr10:13967023-14007405	4.5665	6.2016	0.4415	0.170688
<i>Tbc1d32</i>	chr10:56014297-56228689	0.9503	1.2268	0.3684	0.044833
<i>Psap</i>	chr10:60277626-60302597	157.6071	148.7478	-0.0835	0.029459
<i>Gm11707</i>	chr11:106972057-106973090	19.6515	15.6465	-0.3288	0.068958
<i>Gatad1</i>	chr5:3632931-3647934	15.3604	13.5158	-0.1846	0.078449
<i>Bhlhe40</i>	chr6:108660628-108666925	1.5734	4.2045	1.4181	0.125009
<i>Zfp773</i>	chr7:7130677-7136755	3.3767	2.7772	-0.2820	0.014798
<i>Stim1</i>	chr7:102267823-102436848	40.0288	36.3074	-0.1408	0.108945
<i>A230103J11Rik</i>	chr8:85053159-85060460	8.9651	7.6902	-0.2213	0.036997
<i>Gm15655</i>	chr8:115705077-115707233	6.8553	17.6140	1.3614	0.169551
<i>Txn2</i>	chr15:77915046-77929006	11.1891	14.1599	0.3397	0.104538
<i>Gtpbp1</i>	chr15:79690894-79721478	63.4897	58.9685	-0.1066	0.045750
<i>Prkcd</i>	chr14:30595355-30626210	12.2601	13.9756	0.1889	0.025179
<i>Aars2</i>	chr17:45506840-45520842	8.1240	7.0219	-0.2103	0.071530
<i>Mbd5</i>	chr2:48949509-49322284	2.4851	2.9105	0.2280	0.063768
<i>Cwc22</i>	chr2:77881158-77946375	8.0077	9.1422	0.1912	0.022849
<i>Abtb2</i>	chr2:103566309-103718423	36.1246	32.3459	-0.1594	0.124184
<i>Fam98b</i>	chr2:117249738-117271540	1.9280	2.5265	0.3900	0.028448
<i>Psmc3</i>	chr2:91054008-91066369	59.3959	52.3808	-0.1813	0.093082
<i>Xaf1</i>	chr11:72301628-72313733	8.9484	11.4902	0.3607	0.141471
<i>Rnf32</i>	chr5:29195991-29225524	2.3472	1.7716	-0.4059	0.055648
<i>Uvssa</i>	chr5:33378550-33419754	9.7472	11.3392	0.2183	0.087351
<i>Tmem221</i>	chr8:71554302-71558871	4.4472	3.4869	-0.3509	0.037190
<i>Satb1</i>	chr17:51736186-51833290	79.0850	91.0019	0.2025	0.075058
<i>Cep104</i>	chr4:153975193-154008732	3.5456	4.3233	0.2861	0.084450
<i>Znrf1</i>	chr8:111536096-111626030	36.8024	33.6842	-0.1277	0.108442
<i>Shc4</i>	chr2:125627446-125724148	1.4400	1.2106	-0.2503	0.002507
<i>Fam175a</i>	chr5:100805191-100820965	10.1024	11.7320	0.2157	0.020506
<i>Bckdha</i>	chr7:25629851-25658761	21.6515	18.5757	-0.2211	0.110453
<i>Adrbk1</i>	chr19:4286000-4306222	119.2810	111.1731	-0.1016	0.059576
<i>A730015C16Rik</i>	chr4:108847398-108848619	10.8942	9.0195	-0.2724	0.058909
<i>Ilvbl</i>	chr10:78574499-78584498	19.7641	17.8264	-0.1489	0.028934
<i>Irf2bpl</i>	chr12:86880702-86884814	22.7281	20.0391	-0.1817	0.119878
<i>Mapkapk5</i>	chr5:121518612-121545905	12.9407	11.9052	-0.1203	0.007855
<i>Apol10b</i>	chr15:77584157-77596125	2.4757	1.6120	-0.6190	0.097611
<i>Dcbld2</i>	chr16:58408442-58469727	0.5867	0.8005	0.4483	0.081224
<i>Prmt2</i>	chr10:76207221-76237865	5.0634	4.2576	-0.2501	0.052048
<i>Ptcd1</i>	chr5:145147513-145167108	16.6581	15.0099	-0.1503	0.026035
<i>Gata1</i>	chrX:7959259-7978071	5.3721	4.4433	-0.2739	0.050383
<i>Zadh2</i>	chr18:84088157-84097514	5.3810	6.6100	0.2968	0.082438
<i>Marcks1</i>	chr4:129513580-129515985	4.5556	6.0998	0.4211	0.111098
<i>Exosc5</i>	chr7:25659152-25668031	30.6175	26.3710	-0.2154	0.075380
<i>Tes</i>	chr6:17065148-17105828	79.6289	71.9003	-0.1473	0.074305
<i>Trbv31</i>	chr6:41557690-41558371	116.3191	99.7101	-0.2223	0.117426
<i>Ift80</i>	chr3:68892498-69004570	32.8700	36.2311	0.1405	0.013482
<i>Pcnx</i>	chr12:81860029-82000924	6.0407	6.9862	0.2098	0.071209
<i>Glyr1</i>	chr16:5013905-5049910	62.8685	58.2050	-0.1112	0.048261
<i>Shhg1</i>	chr19:8723495-8726442	36.7551	43.0232	0.2272	0.083723
<i>Prrc2b</i>	chr2:32151081-32234537	18.8873	23.3881	0.3084	0.203315
<i>Ddx27</i>	chr2:167015192-167034947	25.0637	23.3774	-0.1005	0.001434
<i>Yae1d1</i>	chr13:17986639-17993351	4.0220	3.3546	-0.2618	0.030717
<i>Limd1</i>	chr9:123478700-123521548	31.8484	29.4720	-0.1119	0.043228
<i>Ak6</i>	chr13:100651342-100666413	18.5476	15.3691	-0.2712	0.082816
<i>Fam210a</i>	chr18:68260186-68300333	7.0094	8.0413	0.1981	0.048209
<i>Gm26564</i>	chr10:34295911-34298907	14.4693	12.8438	-0.1719	0.058007
<i>Rmnd5b</i>	chr11:51623670-51635896	32.2428	29.4491	-0.1308	0.022337
<i>Tmem140</i>	chr6:34863145-34874946	3.9746	4.6914	0.2392	0.038860
<i>Txndc16</i>	chr14:45134447-45220328	4.9993	4.4816	-0.1577	0.041714
<i>Aamp</i>	chr1:74279839-74284738	68.4936	62.2043	-0.1390	0.069994
<i>Mdfic</i>	chr6:15720660-15802165	1.5322	2.6248	0.7766	0.079673
<i>Fancg</i>	chr4:43002342-43010506	4.8369	4.0840	-0.2441	0.068679
<i>Taf6</i>	chr5:138178616-138187451	15.9649	14.5350	-0.1354	0.015220
<i>Pim3</i>	chr15:88862185-88865718	10.9084	9.3926	-0.2158	0.091343
<i>Nrd1</i>	chr4:109000654-109061777	20.5108	23.0849	0.1706	0.038532
<i>F2rl3</i>	chr8:72761879-72763874	5.8972	4.7578	-0.3097	0.057930
<i>Zkscan3</i>	chr13:21387012-21402755	15.8686	14.4597	-0.1341	0.083006
<i>Il21r</i>	chr7:125603428-125633570	84.6322	76.3182	-0.1492	0.116617
<i>Mbd6</i>	chr10:127281955-127289018	2.8436	3.7428	0.3964	0.121547

<i>Sytl1</i>	chr4:133253089-133263113	9.2101	7.7319	-0.2524	0.118063
<i>Tmem184b</i>	chr15:79360683-79403303	4.7381	6.0088	0.3427	0.135417
<i>Gm8369</i>	chr19:11492037-11512577	10.9118	14.2617	0.3863	0.115577
<i>Pum2</i>	chr12:8674133-8752581	45.7238	51.3002	0.1660	0.054984
<i>Calm3</i>	chr7:16915378-16924114	98.2571	86.0497	-0.1914	0.118289
<i>Gm20503</i>	chr4:59003209-59041888	30.8193	25.5320	-0.2715	0.121254
<i>Ttn</i>	chr2:76703979-76982547	0.6148	1.6817	1.4517	0.149883
<i>Snx20</i>	chr8:88626827-88636128	33.7749	30.0398	-0.1691	0.088186
<i>Tymp</i>	chr15:89371930-89377039	9.8770	8.5370	-0.2103	0.042665
<i>Chrna2</i>	chr14:66140959-66152948	1.0005	1.4757	0.5608	0.068844
<i>Nup160</i>	chr2:90677214-90736328	7.5518	8.5578	0.1804	0.028767
<i>Stau1</i>	chr2:166947548-166996299	10.6523	12.4154	0.2210	0.079201
<i>Tmem261</i>	chr4:75277353-75278305	39.4222	33.8059	-0.2217	0.077506
<i>Eps15</i>	chr4:109280267-109387817	18.0965	20.2843	0.1647	0.025783
<i>Map3k5</i>	chr10:19934471-20142753	16.8303	19.9249	0.2435	0.132399
<i>Rnf138</i>	chr18:21001340-21028223	15.9586	18.7875	0.2354	0.077015
<i>Rsrp1</i>	chr4:134923591-134927671	269.0534	244.6470	-0.1372	0.108713
<i>Sumf1</i>	chr6:108107027-108185582	8.2615	7.3159	-0.1754	0.014449
<i>Wdr1</i>	chr5:38526813-38561666	249.4174	228.3007	-0.1276	0.071673
<i>Zfp1</i>	chr19:6076486-6084944	13.4031	11.7852	-0.1856	0.072387
<i>Hnrnp1</i>	chr11:50376989-50386528	90.6669	100.5241	0.1489	0.025873
<i>Yy1</i>	chr12:108792972-108816632	48.5507	45.3112	-0.0996	0.010276
<i>Gzmk</i>	chr13:113171607-113225908	1.7447	4.2093	1.2706	0.222162
<i>Baiap3</i>	chr17:25242658-25256364	3.1473	4.0206	0.3533	0.155012
<i>Scrn2</i>	chr11:97029937-97033958	4.3917	3.5737	-0.2974	0.020736
<i>Herc3</i>	chr6:58831464-58920398	35.1857	32.8026	-0.1012	0.030860
<i>Slc25a4</i>	chr8:46206796-46211284	41.4092	36.7943	-0.1705	0.098678
<i>Pqbp1</i>	chrX:7894518-7899269	51.2991	44.1348	-0.2170	0.109096
<i>Pex6</i>	chr17:46711462-46725541	12.6979	11.1365	-0.1893	0.096606
<i>Mrpl24</i>	chr3:87919505-87923672	79.5292	73.5448	-0.1129	0.029624
<i>A1314180</i>	chr4:58798910-58912749	10.6279	11.8696	0.1594	0.025654
<i>Snord14e</i>	chr9:40804747-40804837	90.2952	66.1005	-0.4500	0.179881
<i>Ssbp3</i>	chr4:106910700-107049694	13.7046	12.5043	-0.1322	0.058774
<i>Rrbp1</i>	chr2:143947394-144011263	7.1974	8.4328	0.2285	0.100955
<i>Pld3</i>	chr7:27531999-27553218	32.2520	29.5516	-0.1262	0.057549
<i>Cpox</i>	chr16:58670207-58680391	5.2028	4.4404	-0.2286	0.044135
<i>Trrap</i>	chr5:144768091-144859778	13.5613	16.2902	0.2645	0.164162
<i>Sept9</i>	chr11:117199660-117362325	57.1470	53.5727	-0.0932	0.017289
<i>Rnf121</i>	chr7:102019136-102065469	5.3428	6.2980	0.2373	0.040985
<i>Crls1</i>	chr2:132846665-132866785	9.5882	7.9110	-0.2774	0.087071
<i>Puf60</i>	chr15:76070183-76080946	102.3017	93.2910	-0.1330	0.063865
<i>Ezr</i>	chr17:6738040-6782784	194.2490	179.5690	-0.1134	0.089420
<i>Srm</i>	chr4:148591502-148594993	13.5979	11.6289	-0.2257	0.060454
<i>Rps14</i>	chr18:60774509-60778546	454.2743	372.0734	-0.2880	0.178274
<i>1810034E14Rik</i>	chr13:64248745-64268145	7.2937	6.0034	-0.2809	0.052240
<i>Lamc1</i>	chr1:153218921-153332786	0.3743	0.6622	0.8230	0.159823
<i>Frs2</i>	chr10:117070128-117148474	5.1780	6.2866	0.2799	0.134866
<i>Zfp553</i>	chr7:127233060-127238179	16.4193	14.7885	-0.1509	0.079196
<i>Lpar5</i>	chr6:125067919-125082472	5.2072	4.1656	-0.3220	0.040457
<i>Dennd4a</i>	chr9:64811339-64919667	5.8438	6.9944	0.2593	0.083757
<i>Mapkapk3</i>	chr9:107254926-107289877	18.3123	16.8633	-0.1189	0.066868
<i>Fbxo34</i>	chr14:47472560-47531962	3.9525	4.8444	0.2935	0.050049
<i>Zgpat</i>	chr2:181364927-181383628	72.6389	65.8308	-0.1420	0.111758
<i>Chtop</i>	chr3:90498955-90509498	73.3405	68.4785	-0.0990	0.018606
<i>Ppp1r7</i>	chr1:93342853-93373489	4.5043	5.1611	0.1964	0.023765
<i>Gm20662</i>	chr9:107996348-108045270	43.5552	38.9773	-0.1602	0.136638
<i>Wbp11</i>	chr6:136813653-136828233	11.8927	14.0847	0.2440	0.092966
<i>Klf13</i>	chr7:63886350-63938915	47.6042	56.0165	0.2348	0.139628
<i>St6gal1</i>	chr16:23224739-23360350	70.9187	66.5551	-0.0916	0.054098
<i>Abi3</i>	chr11:95830073-95842476	10.4234	9.4182	-0.1463	0.031084
<i>NA</i>	chr9:88438597-88441187	1.8020	2.4733	0.4568	0.069097
<i>Cerkl</i>	chr2:79330542-79456785	7.1412	8.4926	0.2500	0.114820
<i>Col10a1</i>	chr10:34389980-34397085	1.9908	2.7579	0.4702	0.146435
<i>Pglyrp2</i>	chr17:32413099-32424167	65.3592	58.3817	-0.1629	0.112984
<i>Man1a2</i>	chr3:100562207-100685503	26.6025	24.7493	-0.1042	0.037592
<i>Gng10</i>	chr4:59035087-59041903	30.2389	25.1104	-0.2681	0.124427
<i>Cltc</i>	chr11:86694350-86757565	41.0197	46.0046	0.1655	0.062223
<i>F2rl2</i>	chr13:95696852-95702739	1.3179	2.0007	0.6022	0.148480
<i>Gltscr2</i>	chr7:15937837-15946108	211.9711	191.2972	-0.1481	0.103250
<i>Csnk1g1</i>	chr9:65908973-66045009	6.5262	7.6492	0.2291	0.099157
<i>Nprl2</i>	chr9:107542208-107545704	29.8702	26.4290	-0.1766	0.050867

<i>Tab3</i>	chrX:85574021-85634469	3.2536	3.8074	0.2268	0.018340
<i>Chka</i>	chr19:3851772-3894369	1.1937	1.4341	0.2648	0.028273
<i>Slc18a2</i>	chr19:59260877-59296012	2.4258	3.0150	0.3137	0.024564
<i>Cenpl</i>	chr1:161070766-161086724	1.0811	1.3963	0.3692	0.013927
<i>Arhgap30</i>	chr1:171388953-171410298	130.2444	120.6050	-0.1109	0.077736
<i>Mkks</i>	chr2:136873779-136891389	9.0211	7.7416	-0.2207	0.100049
<i>Abhd12</i>	chr2:150832492-150904741	20.4166	18.5317	-0.1397	0.063477
<i>Cyb5rl</i>	chr4:107066987-107088268	2.8046	2.4262	-0.2091	0.046766
<i>Sorcs2</i>	chr5:36017179-36398139	3.2549	2.7157	-0.2613	0.150461
<i>Hist1h2bc</i>	chr13:23684198-23692488	22.6522	17.4765	-0.3742	0.117859
<i>Als2cl</i>	chr9:110879869-110900530	139.4029	123.9220	-0.1698	0.148653
<i>H1fo</i>	chr15:79028211-79030498	8.9761	12.2230	0.4454	0.198697
<i>Zfp523</i>	chr17:28177206-28205886	2.0707	2.7006	0.3832	0.099840
<i>NA</i>	chr1:119526424-119528224	21.0895	18.8713	-0.1603	0.028367
<i>Ubxn11</i>	chr4:134102569-134127593	30.3177	27.4177	-0.1451	0.112420
<i>Ggta1</i>	chr2:35400178-35463231	10.4835	8.6045	-0.2850	0.247155
<i>Itpril1</i>	chr2:127138771-127143442	11.3000	10.2228	-0.1445	0.024251
<i>Sgpp2</i>	chr1:78310345-78420286	1.7751	2.3206	0.3866	0.080909
<i>Gm17334</i>	chr11:53772280-53773187	38.5715	44.2101	0.1968	0.019394
<i>Ucp2</i>	chr7:100493336-100502020	40.0688	36.6787	-0.1275	0.121372
<i>Usp53</i>	chr3:122933600-122984447	21.2759	19.1441	-0.1523	0.113418
<i>Cyp51</i>	chr5:4081144-4104746	20.4106	16.7496	-0.2852	0.192681
<i>Urb2</i>	chr8:124021507-124048505	10.7005	9.6853	-0.1438	0.085027
<i>Ermp1</i>	chr19:29608213-29648415	6.8422	7.7254	0.1751	0.037688
<i>D030028A08Rik</i>	chr11:96916269-96965060	5.0061	4.3884	-0.1900	0.066800
<i>Trap1</i>	chr16:4039970-4077827	50.1831	46.2432	-0.1180	0.058292
<i>Dnaja3</i>	chr16:4639988-4707695	18.9697	17.2323	-0.1386	0.039409
<i>Ralb</i>	chr1:119470304-119504794	1.7845	2.2080	0.3072	0.015334
<i>Entpd6</i>	chr2:150749041-150771675	18.0053	16.4407	-0.1311	0.051801
<i>Khdrbs1</i>	chr4:129703163-129742303	26.7459	30.3090	0.1804	0.052305
<i>Z610008E11Rik</i>	chr10:79064373-79097600	13.4656	15.3747	0.1913	0.036823
<i>Bsg</i>	chr10:79704490-79711969	36.6320	33.3804	-0.1341	0.036207
<i>Flii</i>	chr11:60714122-60727263	49.7002	46.4725	-0.0969	0.051930
<i>Baz1a</i>	chr12:54892988-55014348	24.9402	29.0479	0.2200	0.118989
<i>Ppp1cb</i>	chr5:32458973-32517433	30.0590	34.6171	0.2037	0.063510
<i>Zfp629</i>	chr7:127607030-127615797	2.1112	1.7322	-0.2855	0.074291
<i>Zwilch</i>	chr9:64137143-64173104	0.8727	1.1774	0.4319	0.012832
<i>Mfng</i>	chr15:78755881-78773475	41.0121	38.1979	-0.1026	0.020825
<i>Abcc4</i>	chr14:118482691-118706219	9.8916	11.5255	0.2205	0.107892
<i>Nubp2</i>	chr17:24882610-24886350	28.0189	24.8958	-0.1705	0.068600
<i>Tnk2</i>	chr16:32643873-32683493	11.7850	9.8415	-0.2600	0.189440
<i>Fbxo9</i>	chr9:78081498-78109065	18.4961	16.7052	-0.1469	0.036931
<i>Gm26699</i>	chr6:38551530-38554007	10.5390	12.4173	0.2366	0.045459
<i>4930579G18Rik</i>	chr14:54650510-54654607	23.4163	27.5022	0.2320	0.034794
<i>Tmem214</i>	chr5:30869578-30879191	11.6901	10.6314	-0.1369	0.078619
<i>Taf10</i>	chr7:105739392-105744361	41.9019	38.6563	-0.1163	0.060109
<i>Hars</i>	chr18:36766529-36783205	42.5799	38.6732	-0.1388	0.056974
<i>Slc26a10</i>	chr10:127172425-127180645	3.2347	4.1292	0.3522	0.037026
<i>Atg14</i>	chr14:47540893-47568434	4.8676	5.7751	0.2466	0.022321
<i>Ephx1</i>	chr1:180976154-181020904	44.8912	50.9938	0.1839	0.064386
<i>Itfg3</i>	chr17:26211821-26244223	4.7638	4.0350	-0.2395	0.065949
<i>Trim35</i>	chr14:66297030-66311424	24.6232	22.5016	-0.1300	0.089028
<i>Cbill1</i>	chr12:31484828-31499616	2.8187	3.5798	0.3449	0.073410
<i>Zfp511</i>	chr7:140036390-140040605	24.9717	22.0963	-0.1765	0.017856
<i>Trps1</i>	chr15:50654760-50890041	2.8322	3.4097	0.2677	0.120636
<i>Tonsl</i>	chr15:76626001-76639958	2.9539	3.6123	0.2903	0.085483
<i>Hist2h2be</i>	chr3:96221120-96223738	9.8053	8.0322	-0.2878	0.143811
<i>Gm21969</i>	chr4:139603185-139662691	7.1049	6.3347	-0.1655	0.036130
<i>Ywhae</i>	chr11:75732868-75765845	25.4690	29.8594	0.2294	0.081066
<i>Icam2</i>	chr11:106377655-106388075	30.5500	27.6424	-0.1443	0.044537
<i>1600012H06Rik</i>	chr17:14943183-14959570	19.6460	17.9268	-0.1321	0.027510
<i>Tmem109</i>	chr19:10870659-10882001	5.7642	5.0073	-0.2031	0.070907
<i>Msantd2</i>	chr9:37489320-37524148	13.1300	11.5997	-0.1788	0.048841
<i>Clpb</i>	chr7:101663632-101790168	4.6473	4.1174	-0.1746	0.066841
<i>Sdccag3</i>	chr2:26382801-26389316	45.1005	41.1752	-0.1314	0.074359
<i>B3galt6</i>	chr4:155989465-155992678	6.8571	5.9778	-0.1980	0.046346
<i>Aco2</i>	chr15:81872308-81915133	47.0627	43.7691	-0.1047	0.049077
<i>Gm12531</i>	chr3:37052214-37060035	9.7122	13.1970	0.4423	0.044689
<i>Rbm10</i>	chrX:20617502-20650901	16.4840	15.0593	-0.1304	0.024610
<i>Oxa1l</i>	chr14:54360840-54369669	22.1849	20.2959	-0.1284	0.038403
<i>Hypk</i>	chr2:121453289-121458672	9.8007	11.2573	0.1999	0.040142

<i>Thop1</i>	chr10:81070034-81082559	2.1220	1.7272	-0.2970	0.081160
<i>Atp13a2</i>	chr4:140986872-141007330	9.1036	8.2106	-0.1489	0.090465
<i>Gm20431</i>	chr2:167607849-167661496	7.7641	6.7459	-0.2028	0.023088
<i>Bmpr2</i>	chr1:59764278-59870549	0.9969	1.4123	0.5026	0.054834
<i>Gm20683</i>	chr17:25834464-25841763	18.5682	16.3955	-0.1795	0.108203
<i>4921514A10Rik</i>	chr4:141115659-141118087	8.1274	6.9172	-0.2326	0.058935
<i>Calcr1</i>	chr2:84330625-84425411	27.3247	24.3465	-0.1665	0.111265
<i>Phkb</i>	chr8:85840958-86061376	4.9265	5.5830	0.1805	0.006943
<i>Ino80</i>	chr2:119373041-119477687	19.1980	21.4336	0.1589	0.041926
<i>Tbc1d31</i>	chr15:57912198-57970067	1.0586	1.3463	0.3468	0.032822
<i>Cd82</i>	chr2:93419110-93463140	49.8613	59.3448	0.2512	0.150716
<i>Engase</i>	chr11:118476828-118489209	2.7889	2.3627	-0.2393	0.050395
<i>D630044L22Rik</i>	chr17:25951471-25963610	1.2735	1.7983	0.4978	0.098621
<i>Asb6</i>	chr2:30823096-30830333	10.3378	9.3136	-0.1505	0.104098
<i>Nrros</i>	chr16:32142784-32165594	33.1807	28.9569	-0.1964	0.153441
<i>Itgal</i>	chr7:127296259-127335137	32.5658	39.2667	0.2699	0.189305
<i>Ube2b</i>	chr11:51985496-52000762	36.1097	41.3451	0.1953	0.052161
<i>Clasp2</i>	chr9:113812585-113919697	20.1604	18.1174	-0.1541	0.112472
<i>Dnm1</i>	chr16:16312234-16359030	28.6794	32.0128	0.1586	0.029150
<i>Trmt61a</i>	chr12:111678104-111683902	8.7952	7.5239	-0.2252	0.080575
<i>Sppl2b</i>	chr10:80855274-80868705	9.4869	8.3671	-0.1812	0.062833
<i>Cd164</i>	chr10:41519499-41531042	81.7798	91.1007	0.1557	0.034304
<i>Atp5h</i>	chr11:115415688-115419962	48.4250	41.1274	-0.2357	0.137975
<i>Zfp568</i>	chr7:29983954-30028282	6.0918	5.3541	-0.1862	0.139676
<i>Gm26827</i>	chr7:66109514-66173121	3.0794	4.5302	0.5569	0.172887
<i>Ccdc102a</i>	chr8:94902868-94918098	2.0246	1.5834	-0.3546	0.000051
<i>D230025D16Rik</i>	chr8:105225144-105253053	7.3478	6.5724	-0.1609	0.040726
<i>Tra2b</i>	chr16:22244548-22266005	21.6837	24.3609	0.1680	0.032314
<i>Mrps5</i>	chr2:127587221-127606829	8.1960	6.9396	-0.2401	0.189373
<i>Utp11l</i>	chr4:124678159-124693600	7.9261	9.1500	0.2072	0.037549
<i>Casp1</i>	chr9:5298516-5307265	13.0813	21.7602	0.7342	0.131428
<i>A630052C17Rik</i>	chr11:29170908-29173558	11.1914	9.8773	-0.1802	0.026629
<i>Gm26514</i>	chr13:38945542-38951313	2.4623	3.0712	0.3188	0.067920
<i>Usb1</i>	chr8:95332291-95347507	13.3532	12.0020	-0.1539	0.041401
<i>NA</i>	chr4:155694341-155696481	6.0656	4.8876	-0.3115	0.130596
<i>B930041F14Rik</i>	chr4:155694341-155696481	6.0599	4.8831	-0.3115	0.130596
<i>Dapk3</i>	chr10:81183006-81193197	21.6913	19.4821	-0.1550	0.048879
<i>Arl4a</i>	chr12:40005446-40038025	3.6096	4.2726	0.2433	0.066212
<i>Chst2</i>	chr9:95400928-95407270	1.0775	2.6544	1.3008	0.147895
<i>Notch4</i>	chr17:34564267-34588503	1.9702	1.6583	-0.2486	0.082326
<i>Ablim1</i>	chr19:57032732-57314919	103.9471	117.3221	0.1746	0.061506
<i>Ciz1</i>	chr2:32352326-32380226	9.2371	10.9054	0.2395	0.125881
<i>Pigx</i>	chr16:32084419-32099738	24.3847	21.6869	-0.1692	0.081255
<i>Sun2</i>	chr15:79724069-79742536	150.4528	138.6347	-0.1180	0.145687
<i>Zfp335os</i>	chr2:164911353-164919953	6.9158	5.5880	-0.3076	0.037280
<i>Nisch</i>	chr14:31170929-31216946	21.8342	25.2568	0.2101	0.126520
<i>Mettl22</i>	chr16:8470787-8490684	6.4297	5.4528	-0.2377	0.085669
<i>Tmem143</i>	chr7:45896940-45917413	3.2034	2.7342	-0.2285	0.079165
<i>Pstpip1</i>	chr9:56089961-56128888	50.6481	47.3267	-0.0979	0.034869
<i>Bap1</i>	chr14:31251488-31259929	30.8003	28.5520	-0.1093	0.033399
<i>Itk</i>	chr11:46325149-46389515	160.0536	147.5614	-0.1172	0.082111
<i>1700034P13Rik</i>	chr1:9747647-9791922	4.4149	5.6835	0.3644	0.114104
<i>Ascl4</i>	chr10:85928490-85946206	7.8217	6.3635	-0.2977	0.085344
<i>Fkrp</i>	chr7:16809269-16816732	12.7292	11.3943	-0.1598	0.060761
<i>Nppla2</i>	chr7:141455197-141460743	9.8859	12.1405	0.2964	0.130665
<i>Slc23a1</i>	chr18:35614603-35627244	1.1483	1.5719	0.4529	0.034202
<i>Mfsd5</i>	chr15:102279455-102281744	17.5365	15.3430	-0.1928	0.089188
<i>Itgb2</i>	chr10:77530251-77565708	172.1667	162.2447	-0.0856	0.050649
<i>Sco2</i>	chr15:89371638-89373818	22.3175	19.7229	-0.1783	0.046082
<i>Lmo4</i>	chr3:144188529-144205220	9.6396	8.3553	-0.2063	0.085637
<i>N4bp2l1</i>	chr5:150571642-150594525	24.9695	28.0933	0.1701	0.010479
<i>Jazf1</i>	chr6:52768796-53068631	2.3880	3.1543	0.4015	0.085206
<i>Psmc7</i>	chr8:107580380-107588482	19.0062	22.5376	0.2459	0.081460
<i>Dhodh</i>	chr8:109591342-109608673	4.8755	4.2461	-0.1994	0.099148
<i>Fbxo31</i>	chr8:121549439-121578806	6.7434	5.8721	-0.1996	0.126069
<i>A1413582</i>	chr17:27563574-27565749	27.0786	24.4153	-0.1494	0.024992
<i>Cd47</i>	chr16:49855617-49915010	34.7811	37.9440	0.1256	0.008076
<i>Pou2f1</i>	chr1:165865153-166002678	11.1905	12.8945	0.2045	0.118387
<i>Mllt11</i>	chr3:95219134-95228677	15.4232	13.5315	-0.1888	0.056208
<i>Sike1</i>	chr3:102995727-103003914	20.2076	18.5185	-0.1259	0.053459
<i>Sars</i>	chr3:108424864-108445209	63.2925	58.2972	-0.1186	0.093820

<i>Imp4</i>	chr1:34439850-34445736	26.6677	24.6539	-0.1133	0.009928
<i>Zbtb2</i>	chr10:4367073-4388108	18.6569	16.9040	-0.1423	0.060501
<i>Trim24</i>	chr6:37870810-37966296	12.9263	11.9540	-0.1128	0.068126
<i>Rrad</i>	chr8:104628065-104631321	18.2364	16.2622	-0.1653	0.042179
<i>Wdr43</i>	chr17:71616214-71659031	61.7509	57.2398	-0.1094	0.054452
<i>Nans</i>	chr4:46489247-46503632	15.5384	14.1115	-0.1390	0.047030
<i>Fig4</i>	chr10:41188171-41303241	16.6891	15.2004	-0.1348	0.032200
<i>Dido1</i>	chr2:180657963-180709999	32.8094	30.4604	-0.1072	0.111715
<i>Itgb8</i>	chr12:119158021-119238802	0.6597	1.6039	1.2818	0.129104
<i>Inafm2</i>	chr2:118745757-118748810	8.2411	7.2579	-0.1833	0.036689
<i>Nudt3</i>	chr17:27579381-27623465	38.9311	34.3297	-0.1815	0.123501
<i>Rfxap</i>	chr3:54803114-54807791	10.8804	9.5747	-0.1844	0.038176
<i>Gltf</i>	chr5:114669402-114690984	44.4770	39.0203	-0.1888	0.142838
<i>Zcchc2</i>	chr1:105990405-106034074	13.1073	15.3577	0.2286	0.142792
<i>6430550D23Rik</i>	chr2:155973278-156007977	2.6976	3.3240	0.3012	0.096764
<i>Ctla</i>	chr4:44004451-44032846	87.1119	76.2637	-0.1919	0.136955
<i>Mfsd3</i>	chr15:76701541-76704239	4.2064	3.4369	-0.2915	0.047634
<i>Pfdn2</i>	chr1:171345669-171359254	3.6508	4.6500	0.3490	0.055166
<i>Top2</i>	chr1:43934001-44002999	52.5896	59.0045	0.1660	0.064120
<i>Cdk2</i>	chr10:128697938-128705051	17.2919	15.4306	-0.1643	0.055246
<i>Dis3</i>	chr14:99076633-99099770	14.1132	12.7107	-0.1510	0.087911
<i>Zfp954</i>	chr7:7114689-7121445	18.7155	16.7673	-0.1586	0.034797
<i>Kctd5</i>	chr17:24047733-24073485	11.8596	10.6260	-0.1585	0.025476
<i>Zbtb7a</i>	chr10:81135219-81152995	7.0059	8.6016	0.2960	0.153864
<i>Ptms</i>	chr6:124913680-124917946	13.4784	16.8501	0.3221	0.153864
<i>Gnptab</i>	chr10:88379131-88447329	9.1369	10.6734	0.2243	0.121693
<i>Elac2</i>	chr11:64979037-65002069	18.0333	16.4433	-0.1332	0.058708
<i>Kat8</i>	chr7:127912516-127925832	23.2117	20.6188	-0.1709	0.070443
<i>Psd4</i>	chr2:24367579-24409182	72.7801	67.6605	-0.1052	0.109791
<i>Tcf25</i>	chr8:123373823-123404173	123.4033	115.3934	-0.0968	0.115311
<i>Trim12c</i>	chr7:104338753-104353362	31.8386	36.4365	0.1946	0.091568
<i>Grwd1</i>	chr7:45825226-45830944	15.2748	13.5616	-0.1716	0.066810
<i>Hectd3</i>	chr4:116995316-117005277	23.3275	21.3555	-0.1274	0.120339
<i>Hus1</i>	chr11:8993136-9011191	4.2662	3.7447	-0.1881	0.079374
<i>Tnip2</i>	chr5:34496086-34513997	9.0681	10.5798	0.2224	0.060221
<i>Fan1</i>	chr7:64346757-64374095	3.4374	4.0965	0.2530	0.055344
<i>Slc20a2</i>	chr8:22476699-22569607	2.4993	3.1597	0.3382	0.083389
<i>Qrt1</i>	chr9:21411836-21420277	20.3033	17.5158	-0.2131	0.128274
<i>Zfp202</i>	chr9:40192315-40213604	1.2996	1.6601	0.3532	0.002764
<i>Nt5e</i>	chr9:88327608-88372089	21.4884	35.6242	0.7293	0.124637
<i>Snrk</i>	chr9:122117282-122169702	22.9252	21.1602	-0.1156	0.082203
<i>Slc38a1</i>	chr15:96571417-96642913	16.4612	19.0298	0.2092	0.126295
<i>Parp14</i>	chr16:35832873-35871544	42.6191	49.7663	0.2237	0.144026
<i>Brms1</i>	chr19:5041403-5049917	27.0985	23.8873	-0.1820	0.113424
<i>Ctla4</i>	chr1:60886999-60915832	11.8602	23.6615	0.9964	0.180024
<i>Gin1</i>	chr1:97770171-97793709	3.1211	3.7642	0.2703	0.026264
<i>Rnf125</i>	chr18:20944624-20983848	31.7304	27.2317	-0.2206	0.132347
<i>Ada</i>	chr2:163726583-163750239	7.0973	6.0551	-0.2291	0.050837
<i>NA</i>	chr4:32243732-32246475	7.4884	9.0051	0.2661	0.104452
<i>Gbf1</i>	chr19:46152508-46286510	9.0096	10.2747	0.1896	0.098108
<i>Rpgrip1l</i>	chr8:91217029-91313262	0.5053	0.6637	0.3932	0.051948
<i>Egln1</i>	chr8:124908595-124949254	18.1964	20.5466	0.1752	0.031194
<i>Gcc2</i>	chr10:58255496-58305599	10.2602	11.3377	0.1441	0.009815
<i>Snrnp40</i>	chr4:130360131-130390026	16.8875	15.3351	-0.1391	0.051997
<i>Unc13d</i>	chr11:116062094-116077961	50.2499	45.7046	-0.1368	0.149999
<i>1700022111Rik</i>	chr4:42969945-42983639	4.5153	5.2206	0.2094	0.003788
<i>Haus6</i>	chr4:86578854-86612055	7.3789	8.2947	0.1688	0.014482
<i>Emg1</i>	chr6:124704380-124712178	133.7626	119.1860	-0.1665	0.129356
<i>Ramp1</i>	chr1:91179821-91225196	18.9283	16.2853	-0.2170	0.146590
<i>Rin3</i>	chr12:102283047-102390855	6.5537	7.8442	0.2593	0.135589
<i>Prkar1a</i>	chr11:109649404-109669656	51.8617	59.9963	0.2102	0.122629
<i>Tmem126b</i>	chr7:90468193-90476001	5.9487	7.0090	0.2366	0.055024
<i>Kdm7a</i>	chr6:39136622-39206789	26.9470	29.8807	0.1491	0.038220
<i>Galnt2</i>	chr8:124231390-124345724	32.4575	29.7810	-0.1242	0.113350
<i>Rexo4</i>	chr2:26953562-26964386	25.2124	23.5475	-0.0986	0.003221
<i>Ing3</i>	chr6:21949570-21976038	12.3715	11.2901	-0.1320	0.031976
<i>Hvcn1</i>	chr5:122206803-122242297	47.2356	42.8763	-0.1397	0.123006
<i>Nfkbid</i>	chr7:30421731-30428746	32.6177	29.8034	-0.1302	0.078288
<i>Gm20388</i>	chr8:119910840-124345722	35.1058	32.2344	-0.1231	0.113486
<i>Atg101</i>	chr15:101284300-101290934	19.6687	17.3517	-0.1808	0.045846
<i>Snhg7</i>	chr2:26637176-26640244	13.9630	12.1853	-0.1965	0.112439

<i>Pih1d1</i>	chr7:45154302-45160069	16.8143	15.0074	-0.1640	0.039995
<i>Traf4</i>	chr11:78158498-78165589	13.0768	11.4091	-0.1968	0.155295
<i>Arhgap20</i>	chr9:51765336-51853856	0.2942	0.4209	0.5167	0.104009
<i>Cldn25</i>	chr16:58727909-58734251	4.1651	5.3631	0.3647	0.122484
<i>Fgf2</i>	chr3:37312518-37405377	2.7136	3.5589	0.3912	0.050838
<i>Polr3b</i>	chr10:84622436-84727177	24.3102	22.8158	-0.0915	0.018314
<i>4930403D09Rik</i>	chr11:34299706-34308113	11.8713	15.6958	0.4029	0.143425
<i>BC017643</i>	chr11:121222587-121229322	25.7005	23.3964	-0.1355	0.132185
<i>Entpd5</i>	chr12:84373856-84409029	24.7208	22.4939	-0.1362	0.094683
<i>Hist1h1b</i>	chr13:21779882-21780625	20.4857	33.4977	0.7094	0.145693
<i>Tmed9</i>	chr13:55593134-55597663	40.9091	46.2396	0.1767	0.035031
<i>Mxd4</i>	chr5:34173886-34187720	35.6291	31.8970	-0.1596	0.128436
<i>Prkcb</i>	chr7:122288750-122634402	37.8849	34.8703	-0.1196	0.103191
<i>Vps26b</i>	chr9:27004502-27030094	26.5156	24.5189	-0.1129	0.055698
<i>Pdcd7</i>	chr9:65346067-65359642	15.3812	13.9090	-0.1451	0.029250
<i>Tfe3</i>	chrX:7762559-7775202	2.3680	2.8306	0.2574	0.078826
<i>Cdk5rap2</i>	chr4:70216855-70410443	5.7240	6.3937	0.1596	0.023195
<i>G3bp1</i>	chr11:55469684-55504838	35.0974	32.9382	-0.0916	0.028269
<i>Gm14540</i>	chr6:33038467-33043222	1.2669	1.7476	0.4641	0.089685
<i>Zbtb10</i>	chr3:9250601-9285333	0.6869	0.8792	0.3561	0.005218
<i>Zfp935</i>	chr13:62454322-62466709	9.0322	10.9107	0.2726	0.004408
<i>She</i>	chr3:89831369-89858834	1.1144	1.5229	0.4505	0.161681
<i>Jak1</i>	chr4:101152366-101265282	140.8301	152.6782	0.1165	0.012283
<i>Ppap2a</i>	chr13:112800893-112867881	2.1295	2.8553	0.4231	0.021633
<i>Usp2</i>	chr9:44067020-44095627	0.7285	1.0552	0.5345	0.111777
<i>Taf2</i>	chr15:55015128-55072152	20.3010	18.9098	-0.1024	0.033688
<i>Bend3</i>	chr10:43479139-43515396	1.8575	2.3122	0.3159	0.098654
<i>Casp7</i>	chr19:56397128-56442344	6.2606	7.9398	0.3428	0.135913
<i>Rap2b</i>	chr3:61364506-61368703	12.2580	14.7410	0.2661	0.114197
<i>Smcr8</i>	chr11:60777524-60788287	17.8761	19.9726	0.1600	0.053749
<i>Nr4a3</i>	chr4:48045152-48086447	1.4870	1.9976	0.4258	0.175358
<i>Hat1</i>	chr2:71388957-71441622	9.8772	11.7687	0.2528	0.111027
<i>Pogk</i>	chr1:166384621-166409863	3.9966	4.7681	0.2546	0.111962
<i>B630005N14Rik</i>	chr6:13625676-13677966	19.6950	17.6179	-0.1608	0.100945
<i>Tspan9</i>	chr6:127961395-128143594	2.1701	2.9935	0.4641	0.142610
<i>Zfp219</i>	chr14:52006076-52020733	6.7349	5.8291	-0.2084	0.100567
<i>Nfkb2</i>	chr19:46304736-46312090	20.7674	24.4467	0.2353	0.128150
<i>Ppm1h</i>	chr10:122678761-122945795	31.7309	29.5930	-0.1006	0.088673
<i>BC003965</i>	chr17:25184560-25187661	14.6738	12.9642	-0.1787	0.119720
<i>Usp4</i>	chr9:108347830-108392529	44.5798	49.0460	0.1377	0.016218
<i>Dlgap5</i>	chr14:47387778-47418407	2.0728	2.5560	0.3023	0.087509
<i>Mam12</i>	chr9:13619989-13709533	10.1999	12.0993	0.2464	0.135347
<i>Lin54</i>	chr5:100441917-100500639	8.4385	9.9786	0.2418	0.102550
<i>Det1</i>	chr7:78822961-78847236	11.4232	10.1833	-0.1658	0.071155
<i>Eea1</i>	chr10:95940662-96045518	5.2925	11.8334	1.1608	0.179397
<i>Cdca8</i>	chr4:124918464-124939311	0.9538	1.2759	0.4197	0.122511
<i>Tut1</i>	chr19:8953849-8966207	28.1345	25.8188	-0.1239	0.073146
<i>Lcor1</i>	chr5:45697180-45857615	2.9413	3.4033	0.2105	0.059173
<i>Elovl5</i>	chr9:77917363-77984519	80.0158	72.2265	-0.1478	0.139680
<i>Morf4l1</i>	chr9:90091670-90114820	8.7844	10.2886	0.2280	0.009327
<i>Ubn2</i>	chr6:38433949-38524825	5.3471	6.0664	0.1821	0.091589
<i>Golim4</i>	chr3:75876182-75956949	2.5092	2.9882	0.2521	0.098659
<i>Cdt1</i>	chr8:122568014-122573128	14.4099	13.0102	-0.1474	0.018409
<i>3632454L22Rik</i>	chrX:135022733-135060336	0.9495	1.2710	0.4206	0.093300
<i>Cep85</i>	chr4:134129857-134187112	12.3601	11.3506	-0.1229	0.024678
<i>Sgk1</i>	chr10:21882183-21999903	28.9736	25.0644	-0.2091	0.205628
<i>Ranbp9</i>	chr13:43402672-43480973	50.4780	55.6738	0.1413	0.029168
<i>Cd22</i>	chr7:30865401-30880342	1.2768	2.4616	0.9470	0.134736
<i>Rrp12</i>	chr19:41862851-41896153	13.4839	12.4190	-0.1187	0.020239
<i>Lrrc59</i>	chr11:94629766-94645216	20.9885	19.3750	-0.1154	0.009084
<i>Setd1a</i>	chr7:127776669-127800122	5.5167	6.4986	0.2363	0.129663
<i>Yrdc</i>	chr4:124850678-124855242	21.8886	19.8634	-0.1401	0.044845
<i>Xrcc6</i>	chr15:81987834-82040085	12.6957	11.5018	-0.1425	0.050769
<i>Gm10392</i>	chr11:77516659-77519198	3.8426	3.0295	-0.3430	0.076585
<i>NA</i>	chr8:8689665-8690644	30.7427	25.6454	-0.2615	0.057881
<i>Cmtm6</i>	chr9:114731202-114749343	70.3847	65.0075	-0.1147	0.097923
<i>Psmd5</i>	chr2:34852087-34870939	19.8266	17.8712	-0.1498	0.085140
<i>Gm26826</i>	chr6:122813625-122820614	2.7849	3.6794	0.4018	0.021468
<i>E130311K13Rik</i>	chr3:63914683-63929472	2.4585	3.2043	0.3822	0.074647
<i>Dsn1</i>	chr2:156995264-157007154	3.3208	4.0009	0.2688	0.032177
<i>Tdo2</i>	chr3:81957089-81975750	1.2805	1.7091	0.4165	0.077390

<i>Prg4</i>	chr1:150449411-150466165	4.5624	5.3961	0.2421	0.064657
<i>Pou6f1</i>	chr15:100575317-100599984	6.6434	7.8744	0.2452	0.123965
<i>Ppp1r3f</i>	chrX:7557295-7605381	9.9970	8.8416	-0.1772	0.153195
<i>Hprt</i>	chrX:52988136-53021659	41.8076	51.1937	0.2922	0.143807
<i>Ehmt2</i>	chr17:34898468-34914052	28.5256	26.3790	-0.1129	0.111342
<i>Mex3d</i>	chr10:80380354-80387659	3.9230	3.2937	-0.2523	0.095759
<i>Wars</i>	chr12:108860029-108894174	21.2239	19.7398	-0.1046	0.017415
<i>Ptdss1</i>	chr13:66932829-66998401	27.3521	24.8410	-0.1389	0.129991
<i>Ncapg</i>	chr5:45669921-45700544	1.3474	1.8803	0.4808	0.206148
<i>Sec61a1</i>	chr6:88503600-88518905	33.4774	31.4720	-0.0891	0.050433
<i>Lsm14a</i>	chr7:34344645-34389540	27.1537	30.3635	0.1612	0.025319
<i>Taf5l</i>	chr8:123996317-124021309	25.3776	23.5291	-0.1091	0.018561
<i>Vps13d</i>	chr4:144972625-145194995	14.6683	17.0330	0.2156	0.154315
<i>Dph2</i>	chr4:117888642-117892032	11.9690	10.6950	-0.1624	0.098206
<i>Zfp207</i>	chr11:80383278-80405733	80.4287	75.3503	-0.0941	0.078907
<i>Pdcd2l</i>	chr7:34184498-34196661	13.4821	11.8236	-0.1894	0.010012
<i>Rnps1</i>	chr17:24414674-24425895	15.7832	14.1850	-0.1540	0.020802
<i>Slc12a2</i>	chr18:57878677-57946821	2.3289	2.9230	0.3278	0.144418
<i>Hist1h1d</i>	chr13:23555031-23558852	16.2284	20.3957	0.3297	0.197150
<i>Polh</i>	chr17:46172003-46202625	16.7147	14.9339	-0.1625	0.083110
<i>Ash1l</i>	chr3:88965811-89079373	25.9798	29.3462	0.1758	0.112269
<i>Pttg1ip</i>	chr10:77581719-77598732	22.2576	20.4847	-0.1198	0.072516
<i>Traj19</i>	chr14:54200385-54200446	105.3962	132.4685	0.3298	0.028686
<i>Farp1</i>	chr14:121035199-121283744	1.3576	1.8980	0.4835	0.241512
<i>Tstd3</i>	chr4:21757381-21767212	4.2923	5.6347	0.3926	0.105600
<i>Gm20696</i>	chr6:99257483-99666797	15.0966	17.9335	0.2484	0.161515
<i>Ppp2r5d</i>	chr17:46682990-46705002	29.2027	27.0425	-0.1109	0.024565
<i>Lrwd1</i>	chr5:136122771-136136074	13.7633	12.5841	-0.1292	0.075114
<i>Pik3r2</i>	chr8:70768175-70776713	7.8059	6.9585	-0.1658	0.086757
<i>Jak2</i>	chr19:29251827-29313080	57.0990	64.8343	0.1833	0.108765
<i>Cir1</i>	chr2:73283104-73312701	1.9668	2.5040	0.3484	0.055750
<i>Insig2</i>	chr1:121304352-121332589	4.8772	5.8486	0.2621	0.087804
<i>Gm5134</i>	chr10:75954513-76009591	1.2130	1.6551	0.4484	0.052475
<i>Gns</i>	chr10:121365089-121397245	10.0373	11.3562	0.1781	0.021088
<i>Kdelr2</i>	chr5:143403819-143421900	17.7290	15.5865	-0.1858	0.107919
<i>A430035B10Rik</i>	chr6:8488794-8510430	1.7943	1.4998	-0.2587	0.014644
<i>1700049G17Rik</i>	chr7:27907391-27929460	2.3528	2.7973	0.2496	0.068197
<i>Pde11a</i>	chr2:75989140-76338774	1.4579	1.8449	0.3396	0.056263
<i>Fam20a</i>	chr11:109669748-109722279	0.8649	1.9702	1.1877	0.188306
<i>A230050P20Rik</i>	chr9:20868641-20874307	10.3809	12.8016	0.3024	0.188307
<i>Slain1os</i>	chr14:103692982-103699442	5.6058	4.8181	-0.2184	0.103771
<i>Wdr24</i>	chr17:25823626-25828730	16.1382	14.2040	-0.1842	0.173439
<i>Zmat3</i>	chr3:32334795-32365678	1.4020	1.1833	-0.2446	0.049372
<i>Arl4c</i>	chr1:88673124-88702221	206.9614	189.1614	-0.1297	0.124395
<i>Zdhhc13</i>	chr7:48789002-48827440	23.1805	21.1953	-0.1292	0.028810
<i>Ripk1</i>	chr13:34002362-34035170	24.1177	22.4011	-0.1065	0.092661
<i>Rgs12</i>	chr5:34949444-35039644	2.3810	1.9774	-0.2680	0.173328
<i>Zfp180</i>	chr7:24081923-24107698	22.3230	20.5790	-0.1174	0.067207
<i>Gm17077</i>	chr7:30955824-30958004	23.4513	18.9869	-0.3047	0.015269
<i>Ciapi1</i>	chr8:94819817-94838358	6.5025	5.9150	-0.1366	0.018685
<i>Mon1b</i>	chr8:113635585-113645178	11.5611	10.5955	-0.1258	0.071828
<i>Rora</i>	chr9:68653785-69388246	2.0550	2.6673	0.3762	0.221791
<i>Gm10250</i>	chr15:5120601-5121172	9.4744	7.1811	-0.3998	0.109643
<i>Gm11131</i>	chr17:35377020-35380292	55.2771	49.6279	-0.1555	0.182426
<i>Klc4</i>	chr17:46630630-46645144	10.2178	8.8076	-0.2143	0.127236
<i>Med15</i>	chr16:17651220-17722930	9.3569	11.7814	0.3324	0.203036
<i>Mrpl49</i>	chr19:6053629-6057751	25.7988	22.7300	-0.1827	0.131288
<i>Lipt1</i>	chr1:37871737-37877387	3.9985	4.8003	0.2637	0.041155
<i>Gpcpd1</i>	chr2:132529081-132587729	31.8125	35.7114	0.1668	0.064846
<i>Slc25a19</i>	chr11:115614177-115628295	9.0676	8.0904	-0.1645	0.090172
<i>Uba2</i>	chr7:34140688-34169599	43.8215	40.5339	-0.1125	0.063748
<i>Ppp1r3b</i>	chr8:35375740-35388124	3.8082	3.1999	-0.2511	0.103571
<i>Cryz1l</i>	chr16:91689321-91728975	5.1508	5.9104	0.1984	0.003307
<i>Gm9821</i>	chr2:91945702-91947655	7.9549	10.1645	0.3536	0.184266
<i>Ctnnb1</i>	chr2:157737400-157891614	30.6771	27.4279	-0.1615	0.136957
<i>1600020E01Rik</i>	chr6:86526270-86564442	23.0479	20.6770	-0.1566	0.092089
<i>Dzip1</i>	chr14:118875519-118925314	18.1597	16.3160	-0.1545	0.132812
<i>Rbm25</i>	chr12:83631235-83683123	25.9998	28.3641	0.1256	0.029666
<i>Akt1</i>	chr12:112653820-112674884	33.9211	31.5259	-0.1056	0.095099
<i>Oasl2</i>	chr5:114896935-114912234	3.7581	6.5119	0.7931	0.097904
<i>Setd2</i>	chr9:110532596-110618633	23.6933	27.0656	0.1920	0.147075

Ar	chrX:98149720-98323215	1.4179	1.7055	0.2664	0.046365
N6amt2	chr14:57549597-57571569	24.1373	20.4379	-0.2400	0.124371
Qpct	chr17:79051905-79090243	3.4611	2.7342	-0.3401	0.058278
Agfg2	chr5:137650482-137684726	10.9251	9.7186	-0.1688	0.112272
Gnl3l	chrX:150983140-151017322	17.8511	16.3168	-0.1297	0.091485
Dgcr2	chr16:17839481-17894145	21.6918	19.9654	-0.1196	0.123292
Tgs1	chr4:3574874-3616619	6.0265	6.8845	0.1920	0.027443
Kdm1a	chr4:136550539-136602723	25.6120	23.7127	-0.1112	0.095372
Egln2	chr7:27158657-27166802	29.9250	27.0950	-0.1433	0.125496
Mfge8	chr7:79133768-79149060	10.6665	9.3274	-0.1935	0.079638
Nudt18	chr14:70577846-70582571	1.9715	2.5155	0.3516	0.088392
Gba	chr3:89202927-89208681	40.5124	37.2404	-0.1215	0.069175
Msl1	chr11:98795515-98807859	25.9291	23.8406	-0.1211	0.109130
Lztr1	chr16:17508687-17526333	19.3300	18.1032	-0.0946	0.036869
Cenpf	chr1:189640598-189688086	0.6043	1.0472	0.7932	0.127509
Ip6k1	chr9:108002500-108048780	48.2170	44.5402	-0.1144	0.167187
Hist1h1e	chr13:23621754-23622502	126.9667	158.8803	0.3235	0.208301
Endod1	chr9:14353989-14381242	4.5569	7.6960	0.7561	0.138742
Txn14b	chr8:109565891-109574051	6.5560	5.5057	-0.2519	0.053508
Ndc80	chr17:71496099-71526857	5.0782	6.4296	0.3404	0.144657
Rab6b	chr9:103112073-103185270	6.3021	7.7707	0.3022	0.141999
Adsl	chr15:80948489-80970947	21.7030	19.5797	-0.1485	0.107734
Clk3	chr9:57750710-57765860	45.2861	41.9931	-0.1089	0.075135
Arhgap5	chr12:52516076-52567852	14.9298	17.3409	0.2160	0.129993
Txnrd1	chr10:82859205-82897724	17.9323	16.1871	-0.1477	0.132304
Sjfn8	chr11:83002157-83020810	51.2025	59.8145	0.2243	0.147092
Gm20692	chr6:120512448-120513232	5.8543	8.2569	0.4961	0.139621
9130221H12Rik	chr7:25228686-25230257	40.6719	37.3172	-0.1242	0.057258
Unc45a	chr7:80325291-80341005	16.4911	15.2466	-0.1132	0.052357
Trp53	chr11:69580358-69591873	12.1274	14.5019	0.2580	0.127280
Pepd	chr7:34912378-35044710	15.7500	13.8980	-0.1805	0.150608
Apex2	chrX:150519518-150589868	1.8988	2.2514	0.2457	0.072611
Arhgef4	chr1:34678187-34813309	4.7313	4.2794	-0.1448	0.094511
Cd151	chr7:141467361-141471479	11.6112	10.2535	-0.1794	0.067151
Rplp0	chr5:115559466-115563727	664.7438	566.2887	-0.2313	0.206736
Gale	chr4:135963726-135968178	5.0175	4.2650	-0.2344	0.055415
Ipcef1	chr10:6885795-7052478	39.6611	43.4269	0.1309	0.027955
Mrpl14	chr17:45686321-45698495	7.4918	5.9067	-0.3430	0.091869
Sh3bgrl	chrX:109095364-109197873	11.1352	13.2446	0.2503	0.155575
Zhx2	chr15:57694664-57839833	11.1747	13.0639	0.2253	0.129262
Gnb1	chr4:155491360-155559269	32.5197	37.2797	0.1971	0.079906
Bzrap1	chr11:87760540-87785928	0.8048	1.1036	0.4556	0.225915
Zfp324	chr7:12965837-12974236	5.9838	5.3968	-0.1489	0.021663
Cirbp	chr10:80165984-80172786	37.4038	43.9802	0.2337	0.118460
Mrps30	chr13:118380109-118387252	30.1979	26.8158	-0.1714	0.099262
Dcun1d4	chr5:73481001-73560794	2.2028	2.6845	0.2853	0.097479
Usp28	chr9:48985384-49042517	22.1662	25.9578	0.2278	0.146981
Ticam1	chr17:56269318-56276786	3.5235	4.3391	0.3004	0.101507
Kdm4b	chr17:56326061-56402870	18.5815	17.0391	-0.1250	0.124916
Tgjf1	chr17:70844204-70853546	6.0111	7.2582	0.2720	0.126245
B3gnt1	chr19:5038825-5041134	6.1404	5.2872	-0.2158	0.018724
Lbr	chr1:181815315-181842401	130.4085	121.1886	-0.1058	0.094756
Set	chr2:30057377-30072577	17.8503	16.2228	-0.1379	0.092596
Slc25a44	chr3:88410497-88425139	14.9629	13.5657	-0.1414	0.063240
Tpm3	chr3:90072648-90100902	49.3572	45.3743	-0.1214	0.115040
Ptk2b	chr14:66153256-66281052	29.1800	32.3138	0.1472	0.063619
Mdc1	chr17:35841514-35859670	9.2011	11.0170	0.2599	0.195119
Ptprj	chr2:90429753-90580647	1.0076	1.8557	0.8811	0.126489
Enpp1	chr10:24637913-24712159	1.6460	1.9737	0.2620	0.112598
Gnb2l1	chr11:48800331-48806434	438.3479	383.1287	-0.1942	0.185743
Rnft1	chr11:86484656-86499025	11.0893	12.4085	0.1622	0.022285
Pigh	chr12:79080672-79089670	13.0454	11.6807	-0.1594	0.056832
Serpina3g	chr12:104236244-104241939	2.9594	6.9178	1.2250	0.205516
Slc25a29	chr12:108825872-108835883	3.1892	2.6219	-0.2826	0.046895
Ipo11	chr13:106794438-106936915	12.8952	11.7734	-0.1313	0.046122
Ptpn13	chr5:103425191-103598359	2.4915	4.9898	1.0020	0.163900
Mlxip	chr5:123394797-123457932	6.6454	7.9579	0.2600	0.191124
Alkbh4	chr5:136136145-136141615	30.6685	28.0867	-0.1269	0.063645
Creb3l2	chr6:37327254-37442146	0.6419	0.8688	0.4367	0.121727
Zfp772	chr7:7202121-7209998	2.5115	2.0308	-0.3065	0.045868
Il16	chr7:83642847-83745726	119.0226	111.2359	-0.0976	0.100427

<i>Itpril2</i>	chr7:118485113-118491975	0.4861	0.8189	0.7523	0.255824
<i>Tenm1</i>	chrX:42527865-43429126	0.2322	0.3095	0.4147	0.061287
<i>Mbtps2</i>	chrX:157535370-157598715	2.7634	3.2544	0.2359	0.118666
<i>Sbf1</i>	chr15:89288235-89315311	71.9208	65.4799	-0.1354	0.195644
<i>Ermard</i>	chr17:15041640-15064232	6.3779	5.6038	-0.1867	0.025380
<i>Tjap4</i>	chr16:4544660-4559720	9.2434	7.9310	-0.2209	0.127117
<i>Gm16726</i>	chr19:46264538-46267669	6.5039	8.1741	0.3297	0.019484
<i>4930523C07Rik</i>	chr1:160044383-160078428	54.6053	51.5670	-0.0826	0.050130
<i>Elac1</i>	chr18:73735037-73754479	4.0821	4.8208	0.2400	0.062433
<i>Nfatc2</i>	chr2:168476409-168601657	3.8153	4.7949	0.3297	0.240616
<i>Dclre1a</i>	chr19:56529160-56548222	1.2206	1.4930	0.2906	0.019592
<i>Slc22a15</i>	chr3:101858953-101924453	0.4342	0.7961	0.8748	0.163213
<i>Ccr4</i>	chr9:114490315-114496544	3.5361	4.5988	0.3791	0.173473
<i>Odf2l</i>	chr3:145118588-145153915	2.9395	3.5825	0.2854	0.006698
<i>Nme1</i>	chr11:93956978-93968521	23.1325	19.8190	-0.2230	0.196978
<i>Lrrc39</i>	chr3:116562972-116583134	4.0268	4.6322	0.2021	0.012539
<i>Gclc</i>	chr9:77754534-77794485	22.6921	21.0730	-0.1068	0.025941
<i>Rhob</i>	chr12:8497762-8499985	4.1256	5.8487	0.5035	0.162847
<i>Leprotl1</i>	chr8:34135571-34147033	84.6393	78.5088	-0.1085	0.080524
<i>Tmem126a</i>	chr7:90450699-90457229	27.7981	31.7911	0.1936	0.022391
<i>Rgs16</i>	chr1:153740348-153745468	2.4175	5.5125	1.1892	0.202479
<i>Tnfrsf4</i>	chr4:156013842-156016612	13.5680	22.4989	0.7296	0.149053
<i>Gm26636</i>	chr6:87908842-87914459	20.3061	17.7752	-0.1921	0.118837
<i>Tpgs1</i>	chr10:79669409-79676126	14.7762	12.6920	-0.2194	0.079007
<i>Dntt</i>	chr19:41029274-41059523	9.9387	7.8419	-0.3419	0.212989
<i>Atp5b</i>	chr10:128083272-128090391	172.0662	157.0454	-0.1318	0.130140
<i>Sh3bp5l</i>	chr11:58330723-58347728	5.8184	5.3133	-0.1310	0.020615
<i>Crebbp</i>	chr16:4084047-4213404	24.0690	28.7919	0.2585	0.224949
<i>Ptpv</i>	chr1:135108496-135132594	1.2648	1.6538	0.3869	0.175318
<i>Ethe1</i>	chr7:24587542-24608925	7.6161	6.2893	-0.2762	0.107962
<i>D16Ertd472e</i>	chr16:78544011-78576657	27.4426	25.3788	-0.1128	0.017363
<i>Osbp</i>	chr19:11965843-11994105	29.4788	27.6189	-0.0940	0.055461
<i>Myo1e</i>	chr9:70207349-70400067	0.8985	1.6951	0.9157	0.124827
<i>Akap9</i>	chr5:3928053-4080209	17.1456	18.9612	0.1452	0.048093
<i>Mecp2</i>	chrX:74026591-74135363	8.3615	9.4930	0.1831	0.099302
<i>Cyba</i>	chr8:122424771-122432940	170.4196	152.1608	-0.1635	0.168995
<i>Suds3</i>	chr5:117091681-117115993	45.9075	41.4992	-0.1456	0.123452
<i>D15Ertd621e</i>	chr15:58415467-58457801	17.3895	19.4622	0.1625	0.068922
<i>Tpra1</i>	chr6:88902250-88912238	19.4620	17.7819	-0.1302	0.099303
<i>Glce</i>	chr9:62057247-62070606	8.3746	7.6439	-0.1317	0.040498
<i>Braf</i>	chr6:39603236-39725463	5.3645	6.1191	0.1899	0.113672
<i>Zfp64</i>	chr2:168893330-168955587	6.5377	5.7957	-0.1738	0.140915
<i>lft27</i>	chr15:78159464-78174108	12.9330	10.9330	-0.2424	0.079811
<i>Snord2</i>	chr16:23108952-23109021	105.5223	130.4207	0.3056	0.027203
<i>Kif5c</i>	chr2:49619297-49774778	0.8864	1.3099	0.5634	0.229012
<i>Plek</i>	chr11:16971205-17052381	1.9151	3.1745	0.7291	0.139645
<i>Psme2b</i>	chr11:4894353-48946190	30.4658	34.6425	0.1854	0.008862
<i>2810021J22Rik</i>	chr11:58867215-58883288	6.5661	7.4783	0.1877	0.008269
<i>Nudt14</i>	chr12:112934732-112942118	19.0129	15.9643	-0.2521	0.138844
<i>Caml</i>	chr13:55623004-55632411	18.2256	16.2870	-0.1623	0.071201
<i>Rbpj</i>	chr5:53555778-53657445	3.7925	4.5793	0.2720	0.148269
<i>Rnf34</i>	chr5:122850187-122868945	32.4046	29.3979	-0.1405	0.085804
<i>Kdm2b</i>	chr5:122870667-123015080	3.9991	4.5558	0.1880	0.080483
<i>Bhlha15</i>	chr5:144190285-144194441	1.3695	1.8151	0.4064	0.118635
<i>Paip2b</i>	chr6:83805400-83831741	10.5642	9.6401	-0.1321	0.066416
<i>Kmt2b</i>	chr7:30568857-30588726	9.4637	11.6560	0.3006	0.243572
<i>Ngrn</i>	chr7:80261214-80265374	25.3916	22.7821	-0.1564	0.085445
<i>Cpne7</i>	chr8:123117373-123135182	0.3785	1.3473	1.8319	0.133900
<i>Tspan3</i>	chr9:56135884-56161070	8.9482	10.8167	0.2736	0.135469
<i>Atp11c</i>	chrX:60223289-60592698	17.2115	19.0412	0.1457	0.042676
<i>Zfp707</i>	chr15:75969122-75975868	9.3936	8.4141	-0.1589	0.057721
<i>Gm20463</i>	chr17:34601150-34601576	12.4288	16.2915	0.3904	0.045897
<i>Uhrf1</i>	chr17:56303320-56323486	2.0165	2.6009	0.3672	0.169439
<i>Cd200r4</i>	chr16:44811732-44839150	4.3662	3.5303	-0.3066	0.131653
<i>Minpp1</i>	chr19:32485768-32515370	20.5092	18.3565	-0.1600	0.119854
<i>Dnlz</i>	chr2:26348120-26352110	12.4799	11.2635	-0.1480	0.060134
<i>2610002J02Rik</i>	chr4:155249801-155256687	22.7445	20.3402	-0.1612	0.100370
<i>Atad3a</i>	chr4:155740640-155761093	15.3101	13.7452	-0.1556	0.149581
<i>Sipa1l3</i>	chr7:29320371-29518641	1.1317	1.4107	0.3179	0.171121
<i>Marcks</i>	chr10:37133374-37138920	1.3853	1.8307	0.4022	0.118564
<i>Susd2</i>	chr10:75636618-75644008	1.0693	1.5782	0.5615	0.206714

<i>Pebp1</i>	chr5:117282650-117287625	12.4231	10.7858	-0.2039	0.121710
<i>Gm26762</i>	chr7:34224754-34230236	7.6342	8.7539	0.1974	0.065021
<i>Tex9</i>	chr9:72458054-72491959	3.8499	3.2235	-0.2562	0.160285
<i>Gm10615</i>	chr9:110117702-110119916	5.3126	4.2550	-0.3203	0.166019
<i>NA</i>	chr15:78913918-78919517	10.7320	9.4574	-0.1824	0.065495
<i>Alcam</i>	chr16:52248995-52454074	1.0946	1.8329	0.7437	0.170531
<i>Gm26667</i>	chr16:84713022-84715242	3.7499	5.0704	0.4352	0.154039
<i>NA</i>	chr1:160044583-160071509	112.8942	102.5455	-0.1387	0.070793
<i>Naa15</i>	chr3:51416015-51475985	15.9190	18.0182	0.1787	0.106429
<i>Ncbp1</i>	chr4:46138612-46172403	44.5454	41.6894	-0.0956	0.043885
<i>Gm9939</i>	chr8:34965051-34966209	6.8747	5.3030	-0.3745	0.166208
<i>Skap2</i>	chr6:51859165-52012549	5.5367	6.9662	0.3313	0.144540
<i>Cstf2t</i>	chr19:31082840-31086590	38.6432	35.8743	-0.1073	0.065755
<i>Prpsap1</i>	chr11:116470844-116494202	15.5782	14.0116	-0.1529	0.099477
<i>Atraid</i>	chr5:31048311-31054633	18.2703	16.5362	-0.1439	0.074476
<i>Pgm1</i>	chr5:64092935-64128355	7.5368	8.8882	0.2379	0.075661
<i>Me2</i>	chr18:73770039-73815392	69.5654	62.5859	-0.1525	0.144538
<i>Ulk3</i>	chr9:57589451-57596233	6.0124	7.3847	0.2966	0.154603
<i>Gm26720</i>	chr1:91989050-91992628	2.5234	3.0656	0.2808	0.036751
<i>Ddx50</i>	chr10:62616022-62651218	35.1446	39.2761	0.1604	0.045304
<i>Nom1</i>	chr5:29434663-29453506	15.1494	14.0325	-0.1105	0.030089
<i>Qsox2</i>	chr2:26208636-26237525	5.5036	4.9302	-0.1587	0.022226
<i>Gm16973</i>	chr14:56696279-56701268	8.2678	9.6382	0.2213	0.043630
<i>Zfp3</i>	chr11:70764208-70772928	7.1371	6.0765	-0.2321	0.105230
<i>1500011B03Rik</i>	chr5:114808195-114813976	15.4569	13.5718	-0.1876	0.087806
<i>Ino80b</i>	chr6:83121764-83125431	16.3458	14.5872	-0.1642	0.051091
<i>Vwa9</i>	chr9:64960831-64986974	15.7875	14.2582	-0.1470	0.084793
<i>Prkag1</i>	chr15:98812797-98831508	83.2895	77.0885	-0.1116	0.089306
<i>Ccnj</i>	chr19:40831278-40848572	3.6579	4.2986	0.2329	0.038975
<i>Nrip3</i>	chr7:109758054-109782025	1.4497	1.8279	0.3344	0.029878
<i>Cbl</i>	chr9:44149261-44234046	20.1258	23.6706	0.2341	0.203182
<i>Ireb2</i>	chr9:54863754-54912534	9.6412	11.0306	0.1942	0.111701
<i>Fasl</i>	chr1:161780690-161788495	7.8824	9.3013	0.2388	0.053263
<i>Spen</i>	chr4:141467889-141538597	3.7222	4.6075	0.3078	0.248500
<i>Msl3</i>	chrX:168654116-168673898	22.8013	20.7467	-0.1362	0.082950
<i>Trappc5</i>	chr8:3676298-3681255	16.0605	14.6075	-0.1368	0.055544
<i>Zfp846</i>	chr9:20581324-20595194	8.7373	7.6139	-0.1985	0.129088
<i>Gm608</i>	chr16:44173245-44227465	6.2750	7.4154	0.2409	0.195486
<i>Kbtbd11</i>	chr8:15011024-15033330	170.4570	157.8779	-0.1106	0.169657
<i>Dpp3</i>	chr19:4907228-4928287	33.3750	30.9742	-0.1077	0.093024
<i>Npm3</i>	chr19:45747733-45749591	21.3447	18.5403	-0.2032	0.125162
<i>Slc2a1</i>	chr4:119108710-119137330	13.9846	12.6719	-0.1422	0.099062
<i>Vmp1</i>	chr11:86583864-86683836	23.0491	33.6445	0.5457	0.144485
<i>Ddx41</i>	chr13:55530409-55536658	36.4105	33.8192	-0.1065	0.030873
<i>Egfl8</i>	chr17:34613348-34615971	2.5397	3.2465	0.3542	0.006629
<i>Gm12057</i>	chr11:22758593-22859544	3.3075	2.5445	-0.3784	0.152205
<i>Enpp5</i>	chr17:44078812-44086567	3.6296	3.1364	-0.2107	0.097777
<i>A630023P12Rik</i>	chr5:110514922-110525980	25.0931	30.2460	0.2694	0.174676
<i>Fam134c</i>	chr11:101096321-101119893	53.8565	50.1009	-0.1043	0.132720
<i>Cask</i>	chrX:13517079-13851367	0.3717	0.5235	0.4939	0.141573
<i>Wrap73</i>	chr4:154142371-154167420	9.2835	8.4206	-0.1407	0.083489
<i>Trim17</i>	chr11:58954684-58973098	12.8573	11.2758	-0.1894	0.156293
<i>Prps1l3</i>	chr12:57230411-57239882	43.0418	39.0662	-0.1398	0.099659
<i>5430403G16Rik</i>	chr5:109674544-109691041	5.6831	6.5758	0.2105	0.024211
<i>Pdp2</i>	chr8:104591467-104596836	10.0182	9.0986	-0.1389	0.038114
<i>Gm10863</i>	chr15:79166040-79227524	5.7581	4.5983	-0.3245	0.197160
<i>Srfbp1</i>	chr18:52465692-52490738	27.8361	25.3052	-0.1375	0.037644
<i>Ppp2r4</i>	chr2:30416038-30447806	19.3483	18.0921	-0.0968	0.020704
<i>Sdha</i>	chr13:74322253-74350280	62.5516	69.2604	0.1470	0.048812
<i>Coq5</i>	chr5:115279665-115296972	17.9902	16.2765	-0.1444	0.062582
<i>Zfp90</i>	chr8:106415338-106425889	5.0522	5.9232	0.2295	0.006808
<i>Prf1</i>	chr10:61297835-61304263	22.0782	19.7474	-0.1610	0.150143
<i>Qsox1</i>	chr1:155778154-155812883	9.0945	8.3483	-0.1235	0.093596
<i>Ica1l</i>	chr1:59989069-60043087	1.1783	1.5985	0.4400	0.101453
<i>Fastk</i>	chr5:24438439-24445287	21.2586	19.4803	-0.1260	0.132631
<i>Cmtm7</i>	chr9:114756836-114781993	38.1528	33.9907	-0.1667	0.109472
<i>1700016P03Rik</i>	chr11:75172559-75177633	12.8990	10.9816	-0.2322	0.021966
<i>Mast4</i>	chr13:102732485-103334497	0.5855	0.7324	0.3228	0.188007
<i>Fam126a</i>	chr5:23915275-24030690	5.3065	6.1064	0.2026	0.106106
<i>NA</i>	chr5:146261002-146261084	1892.3539	3195.5589	0.7559	0.192020
<i>Fbxo46</i>	chr7:19119858-19138261	14.4167	13.0415	-0.1446	0.133323

<i>Snrnp70</i>	chr7:45376461-45395692	204.6825	191.5884	-0.0954	0.102762
<i>Edc4</i>	chr8:105880880-105894908	24.2116	22.3990	-0.1123	0.157930
<i>Abhd16a</i>	chr17:35089262-35102987	16.7416	15.4572	-0.1152	0.061658
<i>Dnajc28</i>	chr16:91614256-91619026	2.7702	2.3512	-0.2366	0.011746
<i>Atp2b4</i>	chr1:133702673-133801041	1.0668	2.0520	0.9438	0.132320
<i>Ppic</i>	chr18:53406340-53418007	3.1416	4.4908	0.5155	0.148370
<i>Ect2</i>	chr3:27097221-27153878	1.3447	1.7087	0.3456	0.116714
<i>Mier1</i>	chr4:103114389-103165754	16.3187	18.0329	0.1441	0.048653
<i>Zbtb8a</i>	chr4:129353627-129378116	4.7697	4.0796	-0.2255	0.029740
<i>Nudc</i>	chr4:133532541-133545996	30.2253	26.9364	-0.1662	0.126244
<i>Zdhhc18</i>	chr4:133605298-133650154	42.0578	38.6761	-0.1209	0.181635
<i>Cradd</i>	chr10:95174745-95324097	2.2376	2.9259	0.3869	0.011875
<i>Dcaf7</i>	chr11:106036871-106059324	38.3852	36.1365	-0.0871	0.075759
<i>Erlin1</i>	chr19:44034943-44069785	1.5879	1.9607	0.3042	0.035055
<i>Acaa2</i>	chr18:74779196-74806207	41.2415	36.3557	-0.1819	0.153589
<i>Prc1</i>	chr7:80294449-80316259	1.9021	2.4594	0.3707	0.209120
<i>Mcu</i>	chr10:59446983-59616692	4.4524	5.0639	0.1856	0.035057
<i>Cnot8</i>	chr11:58104152-58118594	29.6551	27.0846	-0.1308	0.100997
<i>Zfp361</i>	chr12:80107759-80113013	22.3883	26.3951	0.2375	0.151098
<i>Tamm41</i>	chr6:115004380-115037876	3.0005	2.5795	-0.2181	0.110257
<i>Lag3</i>	chr6:124904360-124911705	2.2653	5.7780	1.3509	0.172198
<i>Star</i>	chr8:25808473-25814723	3.9403	4.8314	0.2941	0.116871
<i>Wwox</i>	chr8:114439654-115352708	1.2569	1.4774	0.2332	0.015966
<i>Zfp251</i>	chr15:76852147-76871435	18.6010	17.2107	-0.1121	0.043331
<i>Gm28047</i>	chr15:102536653-102625421	4.5050	5.4920	0.2858	0.119295
<i>Bach1</i>	chr16:87698944-87733346	11.1215	10.2268	-0.1210	0.069470
<i>Egr1</i>	chr18:34859822-34864984	3.2907	4.1900	0.3486	0.209905
<i>Slc2a4rg-ps</i>	chr2:181384249-181387586	54.5239	48.0012	-0.1838	0.225220
<i>Psip1</i>	chr4:83455679-83486459	56.9675	63.1076	0.1477	0.056194
<i>Rps6ka1</i>	chr4:133847289-133887797	60.1183	56.8865	-0.0797	0.084692
<i>Cep83</i>	chr10:94688789-94790336	14.8108	17.0986	0.2072	0.104273
<i>Nbr1</i>	chr11:101552148-101581951	34.1241	32.1245	-0.0871	0.104303
<i>Gm15283</i>	chr12:73926480-73949785	21.9714	27.2803	0.3122	0.234512
<i>Lysmd3</i>	chr13:81657805-81671888	24.7644	21.7841	-0.1850	0.174345
<i>Gsap</i>	chr5:21186266-21291701	6.3974	7.5942	0.2474	0.134073
<i>Maea</i>	chr5:33335571-33373294	35.2313	32.7431	-0.1057	0.036339
<i>Irak1</i>	chrX:74013913-74023918	19.7353	22.1731	0.1680	0.100449
<i>Las1</i>	chrX:95935334-95956962	6.4547	7.4547	0.2078	0.126023
<i>Rpap3</i>	chr15:97675104-97705822	14.6792	13.1696	-0.1566	0.096679
<i>Kcnh3</i>	chr15:99224975-99242817	1.6611	1.2116	-0.4552	0.211617
<i>Appl1</i>	chr14:26918987-26971232	12.0356	13.1675	0.1297	0.013501
<i>Sac3d1</i>	chr19:6116003-6118586	6.8387	5.6084	-0.2861	0.102583
<i>Entpd1</i>	chr19:40612365-40741602	0.8180	1.6773	1.0359	0.153206
<i>Fam129a</i>	chr1:151571185-151721939	3.6777	5.9499	0.6941	0.150836
<i>Sdr4ze1</i>	chr8:117661398-117673689	1.8013	1.4453	-0.3177	0.007317
<i>Myb</i>	chr10:21124929-21160984	20.3029	23.9368	0.2375	0.143587
<i>Cmas</i>	chr6:142756685-142775714	30.4439	28.3180	-0.1044	0.076053
<i>G630030J09Rik</i>	chr7:31149527-31152707	9.3915	7.9351	-0.2431	0.173929
<i>Nipa2</i>	chr7:55931286-55962476	8.8426	8.0236	-0.1402	0.078982
<i>St5</i>	chr7:109523910-109617147	2.4810	2.1388	-0.2142	0.006573
<i>Idh3g</i>	chrX:73778962-73786897	43.5865	39.8960	-0.1276	0.152941
<i>Ighmbp2</i>	chr19:3260923-3283017	8.0494	7.2157	-0.1577	0.128031
<i>Klf6</i>	chr13:5861488-5870393	66.8889	78.0064	0.2218	0.165352
<i>Gm2a</i>	chr11:55098114-55113029	30.1890	34.8458	0.2070	0.112813
<i>Ndufa10</i>	chr1:92439009-92473860	46.6494	41.8225	-0.1576	0.161065
<i>Nucb2</i>	chr7:116504368-116540554	1.9316	2.6491	0.4557	0.115999
<i>Sugp1</i>	chr8:70042812-70071953	20.8632	24.5306	0.2336	0.140436
<i>Ovca2</i>	chr11:75175941-75178835	18.6617	17.0659	-0.1290	0.062136
<i>Iah1</i>	chr12:21316391-21323605	23.3191	20.6781	-0.1734	0.050742
<i>Zfp710</i>	chr7:80024813-80092751	11.8882	10.8337	-0.1340	0.130711
<i>Akr1c12</i>	chr13:4268171-4279433	4.9168	3.8603	-0.3490	0.109522
<i>Spint2</i>	chr7:29256330-29281977	27.5207	33.0974	0.2662	0.130408
<i>Prkrir</i>	chr7:98703102-98718062	38.2132	34.9446	-0.1290	0.144180
<i>Drap1</i>	chr19:5422804-5424979	52.6052	45.6782	-0.2037	0.202915
<i>Dusp10</i>	chr1:184013301-184075636	39.7359	35.6181	-0.1578	0.178117
<i>Cicc1</i>	chr3:108653912-108678840	14.6182	13.4239	-0.1230	0.093304
<i>Inadl</i>	chr4:98395784-98719603	11.4402	10.6764	-0.0997	0.131975
<i>Srsf1</i>	chr11:88047372-88053755	134.8928	124.4783	-0.1159	0.166484
<i>Tob2</i>	chr15:81848269-81858326	13.7245	12.1856	-0.1716	0.211944
<i>St7l</i>	chr3:104864502-104926860	6.9136	6.3531	-0.1220	0.052108
<i>Dynll2</i>	chr11:87979524-87987533	3.6854	4.6340	0.3304	0.114126

<i>Mettl21a</i>	chr1:64606472-64617242	9.6483	8.6263	-0.1615	0.062557
<i>Ell</i>	chr8:70539674-70592858	10.7348	9.7063	-0.1453	0.105172
<i>Gen1</i>	chr12:11240925-11265787	1.7819	2.2645	0.3458	0.091190
<i>Fam168a</i>	chr7:100706650-100841628	5.4216	6.3054	0.2178	0.125448
<i>Zfp408</i>	chr2:91643668-91649791	13.9392	12.8369	-0.1189	0.055196
<i>Sirt6</i>	chr10:81621784-81627797	7.1068	6.1232	-0.2149	0.155741
<i>Med7</i>	chr11:46436924-46442721	4.7133	5.5586	0.2380	0.038383
<i>Edf1</i>	chr2:25557846-25562082	55.4175	49.4503	-0.1644	0.166615
<i>Tbc1d30</i>	chr10:121263823-121311189	3.2737	3.8279	0.2256	0.057268
<i>Fastkd3</i>	chr13:68582247-68592279	8.4778	7.5402	-0.1691	0.035872
<i>Pikfyve</i>	chr1:65186749-65274012	21.1466	19.8501	-0.0913	0.067742
<i>Snord14d</i>	chr9:40803994-40804080	111.6984	82.7229	-0.4332	0.251617
<i>Mesdc2</i>	chr7:83884465-83901532	11.0493	10.2383	-0.1100	0.017543
<i>2010016118Rik</i>	chr3:106482012-106483437	115.7250	105.0980	-0.1390	0.203628
<i>Brat1</i>	chr5:140705010-140719379	10.6638	9.8085	-0.1206	0.121614
<i>Zbtb43</i>	chr2:33450286-33468559	12.0155	11.0757	-0.1175	0.099257
<i>Cars2</i>	chr8:11514020-11550771	16.5151	14.8252	-0.1557	0.087749
<i>Dmap1</i>	chr4:117674680-117682273	13.8540	12.6171	-0.1349	0.044193
<i>Sar1a</i>	chr10:61680309-61693295	51.9412	48.1412	-0.1096	0.113024
<i>Rnf216</i>	chr5:142990892-143113020	3.6429	4.6293	0.3457	0.216346
<i>Fam96b</i>	chr8:104639838-104641965	26.7711	23.7158	-0.1748	0.089484
<i>Cyhr1</i>	chr15:76643394-76660117	14.3878	13.4806	-0.0940	0.028457
<i>Phb</i>	chr11:95666956-95680773	5.6738	4.9653	-0.1924	0.045442
<i>Snx1</i>	chr9:66088132-66126587	31.6267	29.3763	-0.1065	0.086043
<i>Rnf123</i>	chr9:108051533-108083346	20.3006	23.1486	0.1894	0.157191
<i>Alg1</i>	chr16:5233620-5244912	16.3057	14.8241	-0.1374	0.101507
<i>Ubap1</i>	chr4:41348995-41390525	15.4911	14.0486	-0.1410	0.112230
<i>Ccng1</i>	chr11:40748551-40755311	89.0404	79.3261	-0.1667	0.184521
<i>Tatdn2</i>	chr6:113697049-113711069	54.8109	51.5170	-0.0894	0.083065
<i>Gm17178</i>	chr11:120689145-120709447	27.4589	23.3889	-0.2314	0.025680
<i>Supt7l</i>	chr5:31514568-31527807	9.7876	8.7761	-0.1574	0.146790
<i>Arid4b</i>	chr13:14063231-14199603	17.5139	19.7472	0.1731	0.118733
<i>Usp3</i>	chr9:66514636-66593142	42.2614	39.5215	-0.0967	0.104942
<i>Dffb</i>	chr4:153964448-153975126	10.7106	9.5861	-0.1600	0.055984
<i>Ago2</i>	chr15:73098591-73184840	11.4123	13.7312	0.2669	0.249604
<i>Zc3h7b</i>	chr15:81744847-81796269	4.2158	4.9988	0.2458	0.155498
<i>Mroh2a</i>	chr1:88226985-88262289	1.2263	1.5087	0.2990	0.085915
<i>Mrps7</i>	chr11:115603924-115608036	18.3400	16.7151	-0.1338	0.042138
<i>Phc1</i>	chr6:122317730-122340561	2.6829	3.2778	0.2889	0.132183
<i>Snora65</i>	chr2:32963290-32963420	93.4887	79.6763	-0.2306	0.062063
<i>Fam101b</i>	chr11:76019193-76027782	85.1474	78.3931	-0.1192	0.160474
<i>Naip2</i>	chr13:100144062-100202092	2.1379	2.8669	0.4233	0.224626
<i>Smarcc1</i>	chr9:110132036-110240178	11.1817	12.9234	0.2089	0.126698
<i>Snrpb</i>	chr2:130171413-130179403	68.9065	63.2059	-0.1246	0.123402
<i>Aga</i>	chr8:53511701-53523421	13.8581	12.1774	-0.1865	0.081948
<i>Tram2</i>	chr1:20996295-21079229	0.9498	1.2052	0.3435	0.103814
<i>Ints7</i>	chr1:191575762-191622672	23.1553	21.6092	-0.0997	0.079735
<i>Msto1</i>	chr3:88905106-88913999	10.6167	9.7568	-0.1218	0.117018
<i>Adipor2</i>	chr6:119353149-119417483	44.2703	41.0019	-0.1107	0.105073
<i>Slc9a7</i>	chrX:20105754-20291807	2.5483	3.4174	0.4234	0.211760
<i>Brca1</i>	chr11:101488763-101551955	1.3268	1.6515	0.3159	0.158841
<i>Fbxo17</i>	chr7:28716803-28738144	3.5693	4.6568	0.3837	0.149487
<i>I830012016Rik</i>	chr19:34607969-34613401	3.5363	6.5722	0.8942	0.073227
<i>2810408M09Rik</i>	chr2:165490109-165493324	9.3917	8.3609	-0.1677	0.046014
<i>Psmg1</i>	chr16:95979932-95990960	18.1276	15.6837	-0.2089	0.141289
<i>Vamp1</i>	chr6:125215550-125244543	14.9620	13.5435	-0.1437	0.192674
<i>Eomes</i>	chr9:118478211-118486132	3.0985	4.9840	0.6858	0.100856
<i>Sharpin</i>	chr15:76347039-76351111	33.8928	31.4776	-0.1067	0.114669
<i>Prdx5</i>	chr19:6906696-6910106	27.9037	24.7087	-0.1754	0.158361
<i>Gm15800</i>	chr5:121220218-121368577	9.3578	11.2417	0.2646	0.247744
<i>Gpn3</i>	chr5:122371875-122382902	16.2632	14.5799	-0.1576	0.141264
<i>Pgs1</i>	chr11:117986291-118024011	15.0035	13.9388	-0.1062	0.060576
<i>Mettl13</i>	chr1:162532126-162548551	4.1631	3.7055	-0.1680	0.136704
<i>Gm26850</i>	chr3:63963632-63968659	6.5641	5.7971	-0.1793	0.051347
<i>Gm26789</i>	chr10:63292285-63295793	4.2937	5.4051	0.3321	0.177770
<i>Hopx</i>	chr5:77086442-77115161	3.1344	4.2161	0.4277	0.230049
<i>Dusp11</i>	chr6:85942267-85961667	28.8036	31.6706	0.1369	0.033057
<i>Gnl1</i>	chr17:35979850-35989462	30.1338	27.5914	-0.1272	0.142619
<i>Rbbp5</i>	chr1:132477366-132505665	28.2563	26.5835	-0.0880	0.037402
<i>Il9r</i>	chr11:32187540-32200279	1.4163	1.9633	0.4711	0.218140
<i>Guk1</i>	chr11:59183874-59192212	17.3831	15.5023	-0.1652	0.117147

<i>Card6</i>	chr15:5095980-5108539	5.9324	6.7673	0.1900	0.074234
<i>Pik3cd</i>	chr4:149649167-149702571	157.2210	148.5741	-0.0816	0.132452
<i>NA</i>	chr5:105215698-105239533	3.7243	5.7678	0.6310	0.112187
<i>Crtc3</i>	chr7:80586626-80688877	6.7306	7.6876	0.1918	0.135178
<i>Gde1</i>	chr7:118688544-118705778	20.3221	18.4191	-0.1418	0.065926
<i>Ipo4</i>	chr14:55625399-55637895	10.8409	9.8586	-0.1370	0.139734
<i>Tyms</i>	chr5:30058201-30073617	1.0973	1.3561	0.3055	0.050583
<i>Wdr3</i>	chr3:100138179-100162407	22.4892	20.9211	-0.1043	0.100927
<i>Itgb1</i>	chr8:128685653-128733200	62.4181	96.6515	0.6308	0.139123
<i>2410089E03Rik</i>	chr15:8169105-8271158	4.8756	5.6652	0.2165	0.182734
<i>Tyw1</i>	chr5:130255618-130341563	5.6867	5.2252	-0.1221	0.036360
<i>Syngn2</i>	chr11:117809667-117814283	18.7802	21.3349	0.1840	0.050541
<i>Herc6</i>	chr6:57580991-57665136	15.6962	18.3491	0.2253	0.166130
<i>Zfp362</i>	chr4:128773087-128806045	4.2856	5.3265	0.3137	0.193477
<i>Slc43a2</i>	chr11:75531693-75577575	6.3287	7.3952	0.2247	0.176080
<i>Rdx</i>	chr9:52047149-52088737	58.6352	54.0006	-0.1188	0.136644
<i>1700010I14Rik</i>	chr17:8988332-9008319	3.7595	3.0895	-0.2832	0.101543
<i>Zdhc9</i>	chrX:48171968-48208878	1.5428	1.8854	0.2893	0.091372
<i>Gls</i>	chr1:52163447-52233232	27.7090	30.8598	0.1554	0.117174
<i>Dennd1a</i>	chr2:37798990-38287390	4.8428	5.7173	0.2395	0.149385
<i>Gcfc2</i>	chr6:81923668-81959915	5.7871	5.2576	-0.1384	0.137542
<i>Krr1</i>	chr10:111972663-111988432	22.5574	20.7330	-0.1217	0.119361
<i>Fuca2</i>	chr10:13499539-13519035	2.5710	3.0485	0.2458	0.101345
<i>Parp3</i>	chr9:106470321-106476949	31.0939	28.0814	-0.1470	0.202767
<i>Elovl6</i>	chr3:129532385-129638495	5.9137	5.3567	-0.1427	0.100025
<i>Cdk2ap2</i>	chr19:4097181-4099019	102.1894	90.5900	-0.1738	0.232334
<i>Gm6404</i>	chr13:116153780-116154134	16.6725	12.7205	-0.3903	0.143137
<i>Ift52</i>	chr2:163017353-163046141	10.5832	11.9680	0.1774	0.031243
<i>Herc4</i>	chr10:63243796-63317881	41.7668	46.3611	0.1506	0.075202
<i>Zfp7</i>	chr15:76879258-76892392	19.1142	17.6943	-0.1114	0.041009
<i>Grb7</i>	chr11:98446393-98455373	1.0127	1.3925	0.4595	0.101890
<i>Polr1b</i>	chr2:129100994-129126594	10.5061	9.6854	-0.1173	0.115802
<i>Ak2</i>	chr4:128991957-129011529	36.5003	33.8765	-0.1076	0.063209
<i>Gli1</i>	chr10:127329888-127341589	5.0466	4.3233	-0.2232	0.181637
<i>Osgep</i>	chr14:50906477-50924893	7.1077	6.4288	-0.1448	0.081319
<i>Hexim1</i>	chr11:103116324-103119725	17.4398	20.3312	0.2213	0.127837
<i>Wwp1</i>	chr4:19608302-19708993	7.7225	8.6791	0.1685	0.066174
<i>1700110K17Rik</i>	chr9:40323425-40343564	4.0132	5.2465	0.3866	0.081389
<i>Ap4b1</i>	chr3:103809519-103822025	18.6223	16.9929	-0.1321	0.140954
<i>Rcbt1</i>	chr14:59201208-59237265	32.0743	30.1219	-0.0906	0.088892
<i>Cep76</i>	chr18:67617396-67641336	3.9495	3.3663	-0.2305	0.124833
<i>Fam172a</i>	chr13:77708689-78166238	16.5494	18.2573	0.1417	0.028830
<i>Ift1</i>	chr19:34640870-34650009	27.0144	43.5717	0.6897	0.110901
<i>Plscr3</i>	chr11:69846375-69852058	2.5970	3.2278	0.3137	0.136174
<i>Mrpl27</i>	chr11:94653766-94660089	8.7338	10.7073	0.2939	0.082185
<i>Prpf39</i>	chr12:65036332-65063386	42.5868	47.4207	0.1551	0.073567
<i>Enoph1</i>	chr5:100039993-100068762	13.4787	11.9060	-0.1790	0.111775
<i>1110001J03Rik</i>	chr6:38533501-38539449	11.0329	8.9195	-0.3068	0.089785
<i>Cdca2</i>	chr14:67676330-67715841	0.8077	1.0929	0.4363	0.174948
<i>Sufu</i>	chr19:46396895-46488804	2.4555	3.0896	0.3314	0.210116
<i>Eif5b</i>	chr1:37998009-38055579	9.0390	10.2393	0.1799	0.102336
<i>Zbed6</i>	chr1:133619939-133661318	22.1155	24.8701	0.1694	0.148572
<i>Rbfa</i>	chr18:80192264-80200658	39.0564	34.9385	-0.1607	0.157903
<i>Cst7</i>	chr2:150570414-150578944	12.0343	15.7958	0.3924	0.255672
<i>Arid5a</i>	chr1:36307732-36324029	30.6680	28.4184	-0.1099	0.181406
<i>Rcc1</i>	chr4:132331918-132353605	6.3246	5.6941	-0.1515	0.030407
<i>Zmiz2</i>	chr11:6389073-6406158	6.9126	8.7569	0.3412	0.284323
<i>Crip1</i>	chr12:113152011-113153877	315.9973	270.5182	-0.2242	0.200083
<i>Igflr1</i>	chr7:30565426-30567962	39.4954	36.0772	-0.1306	0.109810
<i>Nufip1</i>	chr14:76110890-76137379	10.4782	9.4328	-0.1516	0.110521
<i>Vamp3</i>	chr4:151047299-151057963	12.8310	14.7229	0.1984	0.105184
<i>Tab2</i>	chr10:7905652-7956230	21.2333	20.0134	-0.0854	0.061179
<i>Axl</i>	chr7:25757272-25788705	0.7374	1.1596	0.6530	0.276820
<i>Tmed10</i>	chr12:85340613-85374717	10.7617	11.9480	0.1509	0.000422
<i>Sgpp1</i>	chr12:75714247-75735729	44.6088	41.6731	-0.0982	0.072437
<i>Gm16534</i>	chr2:32050085-32064911	25.5014	22.3803	-0.1883	0.204838
<i>Slc44a1</i>	chr4:53440412-53622478	5.8165	5.2026	-0.1609	0.126316
<i>Eif5a</i>	chr11:69916713-69921958	54.9699	49.5547	-0.1496	0.187024
<i>Ypel2</i>	chr11:86936424-86993707	1.9430	2.3463	0.2721	0.064420
<i>Gm15886</i>	chr3:103771951-103789402	34.3960	39.3782	0.1952	0.132179
<i>Gm15200</i>	chr10:42698035-42698518	25.5574	21.9691	-0.2183	0.024614

<i>Lmtd2</i>	chr7:141210042-141214082	2.2526	2.8274	0.3279	0.005911
<i>Nrp1</i>	chr8:128359072-128505462	4.7164	9.1299	0.9529	0.164279
<i>Pias3</i>	chr3:96696383-96706070	2.8546	3.4822	0.2867	0.110714
<i>Lef1</i>	chr3:131110470-131224356	69.3642	78.3106	0.1750	0.130942
<i>Kctd6</i>	chr14:8214147-8223567	5.2474	4.6128	-0.1860	0.058481
<i>Lcp2</i>	chr11:34046919-34092295	71.4490	77.5101	0.1175	0.030730
<i>Tnrc6a</i>	chr7:123123884-123195288	30.2721	33.8232	0.1600	0.122646
<i>Ebna1bp2</i>	chr4:118620798-118627776	23.4523	21.5105	-0.1247	0.101958
<i>Gm13050</i>	chr4:143242023-143243368	24.7764	21.2254	-0.2232	0.225671
<i>Pmel</i>	chr10:128706257-128720238	76.4533	72.0420	-0.0857	0.072428
<i>Lincpint</i>	chr6:31165522-31218433	16.8355	20.5794	0.2897	0.225241
<i>Zfp418</i>	chr7:7171329-7183562	3.1640	2.6612	-0.2497	0.064020
<i>Hdac5</i>	chr11:102194431-102230166	6.3291	5.7862	-0.1294	0.164768
<i>Fut8</i>	chr12:77238103-77476338	7.1592	8.1511	0.1872	0.042516
<i>Chdh</i>	chr14:30009022-30040466	1.8347	1.5300	-0.2620	0.165281
<i>Srpk3</i>	chrX:73774404-73778925	1.7321	2.3136	0.4176	0.155919
<i>Twf1</i>	chr15:94577950-94589889	12.6725	14.1764	0.1618	0.027899
<i>Trappc10</i>	chr10:78186724-78244642	35.4375	33.1351	-0.0969	0.170287
<i>Nck2</i>	chr1:43445750-43570515	14.2680	13.2792	-0.1036	0.063633
<i>Casp3</i>	chr8:46617448-46638706	11.7338	14.9846	0.3528	0.277908
<i>Snord34</i>	chr7:45126600-45126670	79.8558	64.4264	-0.3097	0.046021
<i>Cox7a2l</i>	chr17:83501918-83514333	178.7420	154.7526	-0.2079	0.234331
<i>Tysnd1</i>	chr10:61695513-61702773	13.8726	12.2864	-0.1752	0.180846
<i>Lmnb2</i>	chr10:80901202-80918245	7.1238	6.4292	-0.1480	0.072577
<i>Zfc3h1</i>	chr10:115384958-115432772	33.6803	36.6105	0.1204	0.033088
<i>BC048403</i>	chr10:121739936-121752878	1.6842	2.2370	0.4095	0.158258
<i>Lgalsl</i>	chr11:20823575-20831056	0.7859	1.2184	0.6326	0.326724
<i>1110007C09Rik</i>	chr13:49202950-49216026	28.6773	25.0657	-0.1942	0.185499
<i>Gm25219</i>	chr5:23487393-23487723	21.3644	26.8712	0.3309	0.136279
<i>Prkab1</i>	chr5:116013585-116024508	21.8631	20.1358	-0.1187	0.093418
<i>Ppp1r35</i>	chr5:137778848-137780110	19.5372	17.2925	-0.1761	0.064953
<i>Zfp667</i>	chr7:6286578-6307883	1.2101	1.5212	0.3301	0.046063
<i>Trim12a</i>	chr7:104299893-104315466	37.7145	41.6989	0.1449	0.080160
<i>Mrps18b</i>	chr17:35910378-35916389	8.6271	7.5194	-0.1983	0.114828
<i>NA</i>	chr17:35994515-35999749	3.6157	4.3142	0.2548	0.097292
<i>Tbcc</i>	chr17:46890620-46892463	13.4414	12.1531	-0.1454	0.016004
<i>Fxn</i>	chr19:24261452-24280605	4.6137	3.9213	-0.2346	0.073320
<i>Zfp281</i>	chr1:136624900-136630053	51.7789	48.9600	-0.0808	0.046588
<i>Cyb5a</i>	chr18:84851337-84880401	61.8611	53.8226	-0.2008	0.226871
<i>Arhgap21</i>	chr2:20847918-20968881	0.4900	0.6443	0.3950	0.162852
<i>Gfm1</i>	chr3:67430095-67476529	12.4610	11.4600	-0.1208	0.070894
<i>Gatad2b</i>	chr3:90341653-90358120	9.1185	10.6765	0.2276	0.079648
<i>Tubd1</i>	chr11:86544990-86567360	4.4363	5.3205	0.2622	0.045287
<i>Thap2</i>	chr10:115369965-115384435	6.5515	5.7567	-0.1866	0.148947
<i>Rab24</i>	chr13:55319222-55321980	32.9615	30.6604	-0.1044	0.078457
<i>Coro7</i>	chr16:4626132-4679777	13.2309	15.1925	0.1994	0.163589
<i>Kcnq5</i>	chr1:21398402-21961942	0.5991	0.8282	0.4671	0.185636
<i>Gle1</i>	chr2:29935425-29960371	10.2386	9.5434	-0.1014	0.053765
<i>Gm340</i>	chr19:41582369-41586536	9.3803	10.8611	0.2115	0.135162
<i>I7Rn6</i>	chr7:89917528-89941199	6.0937	5.2455	-0.2162	0.136869
<i>Shhg12</i>	chr4:132308677-132311024	27.3522	31.6254	0.2094	0.141649
<i>Cd8b1</i>	chr6:71322835-71337477	17.2021	14.6667	-0.2300	0.202201
<i>Ncln</i>	chr10:81486248-81496392	43.5534	39.9345	-0.1251	0.209594
<i>Rnf135</i>	chr11:80183850-80199757	2.8530	3.5188	0.3026	0.025535
<i>Mthfd1</i>	chr12:76255231-76319820	19.9076	18.4447	-0.1101	0.087809
<i>Pick1</i>	chr15:79229172-79256674	4.2212	3.8469	-0.1339	0.038220
<i>Rxbp1</i>	chr17:34031811-34038393	22.9076	21.0993	-0.1186	0.152989
<i>Gm9929</i>	chr1:170868644-170881721	8.8411	7.6803	-0.2031	0.078106
<i>Smad7</i>	chr18:75367528-75395935	45.5495	41.6825	-0.1280	0.230140
<i>Smc4</i>	chr3:69004737-69034623	223.5166	250.8100	0.1662	0.137487
<i>Evl</i>	chr12:108554719-108688513	161.9141	148.2574	-0.1271	0.206466
<i>Brix1</i>	chr15:10474778-10485947	12.7353	14.3514	0.1724	0.031878
<i>R3hdm2</i>	chr10:127380326-127499384	3.6501	4.3031	0.2375	0.158222
<i>Rbm26</i>	chr14:105106750-105177327	19.5067	21.2213	0.1215	0.031031
<i>Shf</i>	chr2:122348891-122369162	3.7308	3.1221	-0.2570	0.096788
<i>Mvk</i>	chr5:114444268-114460591	4.9941	4.2378	-0.2369	0.129375
<i>Ccdc142os</i>	chr6:83106607-83109054	10.4004	8.9556	-0.2158	0.050662
<i>Skiv2l2</i>	chr13:112867779-112927380	30.5611	34.0766	0.1571	0.059310
<i>Fryl</i>	chr5:73020321-73256618	28.8460	32.7799	0.1844	0.194321
<i>Med21</i>	chr6:146642546-146650602	12.5544	10.7619	-0.2223	0.162262
<i>Brd7</i>	chr8:88331038-88362194	21.5127	23.6465	0.1364	0.026808

<i>Kif23</i>	chr9:61917279-61946799	3.1053	3.7068	0.2555	0.072220
<i>Sec22a</i>	chr16:35311130-35363918	5.3458	4.8625	-0.1367	0.031836
<i>Itpkb</i>	chr1:180330484-180424802	50.9030	57.1851	0.1679	0.148321
<i>Bard1</i>	chr1:71027497-71103146	1.0152	1.2703	0.3234	0.064485
<i>Ppil1</i>	chr17:29250802-29264158	9.7270	11.1879	0.2019	0.054765
<i>Myliip</i>	chr13:45389741-45412019	41.3355	38.8337	-0.0901	0.097389
<i>Rassf1</i>	chr9:107551554-107562263	13.7854	12.8571	-0.1006	0.048839
<i>Tmem134</i>	chr19:4125933-4132307	25.1844	23.6958	-0.0879	0.071235
<i>Rpn2</i>	chr2:157279016-157326319	51.0273	48.2749	-0.0800	0.101891
<i>Pcbp4</i>	chr9:106453837-106464007	5.9341	5.0912	-0.2210	0.069473
<i>Kmt2c</i>	chr5:25271797-25498783	17.9976	20.7407	0.2047	0.220798
<i>Dcun1d5</i>	chr9:7184565-7207031	61.5663	56.6321	-0.1205	0.095974
<i>Rpl6</i>	chr5:121204480-121209241	51.8261	45.3534	-0.1925	0.228254
<i>Ndufs2</i>	chr1:171234852-171247122	60.2353	56.3949	-0.0950	0.087528
<i>March7</i>	chr2:60209886-60250676	37.7167	41.4771	0.1371	0.074184
<i>Atf3</i>	chr19:7494039-7538608	15.6560	17.5104	0.1615	0.109103
<i>Rpain</i>	chr11:70970212-70977833	14.6947	13.4272	-0.1301	0.104292
<i>Vezf1</i>	chr11:88068278-88084729	27.2449	25.5343	-0.0936	0.085632
<i>Nfe2l3</i>	chr6:51432669-51458768	9.0856	11.0956	0.2883	0.244754
<i>Tmie</i>	chr9:110865710-110880113	14.6379	12.0242	-0.2838	0.302816
<i>Rpl8</i>	chr15:76904070-76906318	1884.0595	1664.4595	-0.1788	0.234752
<i>Fbxl15</i>	chr19:46328183-46330446	3.6851	2.9852	-0.3039	0.004255
<i>C030005K06Rik</i>	chr18:50042729-50053844	1.5789	2.1874	0.4703	0.191449
<i>Mrps15</i>	chr4:126046924-126055532	25.0178	22.3992	-0.1595	0.159208
<i>Pisd</i>	chr5:32736300-32785646	15.5877	17.3481	0.1544	0.059556
<i>Ralgapa2</i>	chr2:146239878-146512026	6.2468	7.0576	0.1761	0.157415
<i>Agap3</i>	chr5:24452176-24502047	22.9431	21.3340	-0.1049	0.102465
<i>Card9</i>	chr2:26352175-26360918	5.9987	4.9291	-0.2833	0.186745
<i>Dyx1c1Ccp1</i>	chr9:72958851-73016319	26.8761	25.2437	-0.0904	0.109393
<i>Cybb</i>	chrX:9435251-9487771	1.7939	3.6993	1.0441	0.163403
<i>Zfp945</i>	chr17:22846696-22867134	9.7687	10.7943	0.1440	0.072985
<i>Zscan20</i>	chr4:128583538-128610098	3.8156	3.4323	-0.1527	0.144645
<i>Rcn3</i>	chr7:45082912-45092221	4.2148	3.4626	-0.2836	0.067620
<i>Zfp191</i>	chr18:24009701-24020810	12.0529	13.2269	0.1341	0.015424
<i>1500011K16Rik</i>	chr2:127791387-127792488	12.6310	10.2040	-0.3078	0.154993
<i>Gm20633</i>	chr3:96243549-96246380	2.9861	2.3507	-0.3452	0.165167
<i>Ikzf2</i>	chr1:69531213-69685960	6.9620	13.0757	0.9093	0.183456
<i>Gm15638</i>	chr16:45945605-45971370	1.6829	2.1973	0.3848	0.212878
<i>Ankrd52</i>	chr10:128377114-128408704	5.1921	6.1932	0.2544	0.223381
<i>Utp18</i>	chr11:93859242-93885766	26.2684	23.7971	-0.1425	0.172244
<i>Mlx</i>	chr11:101087276-101092207	37.2257	33.2786	-0.1617	0.165804
<i>Gm17259</i>	chr13:81778772-81783749	1.6310	2.0070	0.2993	0.063654
<i>Calu</i>	chr6:29348068-29377110	32.6672	30.5560	-0.0964	0.092774
<i>Eps8l1</i>	chr7:4460673-4479404	11.1069	6.2478	-0.8300	0.195342
<i>Epn1</i>	chr7:5080234-5098178	27.6103	25.0157	-0.1424	0.211781
<i>Prr12</i>	chr7:45027706-45052881	2.3745	3.0773	0.3740	0.257797
<i>Gm1848</i>	chrX:21146842-21147640	4.5973	5.9253	0.3661	0.017990
<i>1700021K19Rik</i>	chr16:32821702-32877766	5.1643	4.7335	-0.1257	0.041029
<i>Ppp1ca</i>	chr19:4192157-4195419	366.4007	329.2277	-0.1543	0.208108
<i>4930518I15Rik</i>	chr2:156856615-156857946	6.3132	7.6607	0.2791	0.062565
<i>Supt20</i>	chr3:54692822-54728762	24.7463	27.3825	0.1460	0.036828
<i>Akap5</i>	chr12:76324890-76334153	0.5125	0.7095	0.4693	0.174044
<i>Cdc14b</i>	chr13:64192544-64274973	3.0314	3.5341	0.2214	0.090575
<i>Oas3</i>	chr5:120753097-120777661	7.9686	11.9300	0.5822	0.154537
<i>Retsat</i>	chr6:72598474-72608425	3.2946	3.9427	0.2591	0.080156
<i>Dctn1</i>	chr6:83165919-83200117	17.5370	16.1233	-0.1213	0.180870
<i>Zfp607</i>	chr7:27862556-27879567	16.2181	18.0548	0.1548	0.002638
<i>Capn12</i>	chr7:28881655-28893585	2.9142	3.5136	0.2698	0.046029
<i>Ggact</i>	chr14:122816222-122913757	24.2177	21.3146	-0.1842	0.206074
<i>Cops7b</i>	chr1:86582903-86606978	6.4175	5.7102	-0.1685	0.079254
<i>Zfp52</i>	chr17:21555045-21562066	8.3207	10.1816	0.2912	0.211643
<i>Krtcap2</i>	chr3:89245965-89249722	32.0408	27.5557	-0.2176	0.196636
<i>Dnm2</i>	chr9:21424907-21507759	78.8658	74.4633	-0.0829	0.148541
<i>Dgka</i>	chr10:128720140-128744056	543.0184	515.0586	-0.0763	0.146779
<i>Ss18</i>	chr18:14624197-14682914	33.1576	31.3513	-0.0808	0.063300
<i>Rhof</i>	chr5:123103043-123132692	29.4483	27.4635	-0.1007	0.131975
<i>Gm26771</i>	chr3:83773852-83789956	5.2964	4.1656	-0.3465	0.191307
<i>Klhdc1</i>	chr12:69241175-69284632	19.9424	18.1921	-0.1325	0.151401
<i>Nup205</i>	chr6:35177429-35247590	22.3607	21.0533	-0.0869	0.070198
<i>Rpl27</i>	chr11:101442297-101445529	10.7723	9.3272	-0.2078	0.134214
<i> Tubgcp6</i>	chr15:89098356-89123087	16.5542	15.4153	-0.1028	0.165454

<i>Pitpnm2</i>	chr5:124118689-124249760	5.4218	6.3833	0.2355	0.227979
<i>Actr1a</i>	chr19:46376813-46395735	59.2299	56.2093	-0.0755	0.023421
<i>Ccna2</i>	chr3:36564865-36572150	6.3262	7.7362	0.2903	0.212588
<i>Rhog</i>	chr7:102239122-102250123	28.0294	32.5661	0.2164	0.150453
<i>Tpp1</i>	chr7:105744846-105752207	7.3999	8.3545	0.1750	0.020627
<i>Ccdc166</i>	chr15:75979871-75982455	9.2836	8.1156	-0.1940	0.178426
<i>Sipa1</i>	chr19:5651184-5663707	61.9894	57.7504	-0.1022	0.192236
<i>Plekhl1</i>	chr10:80796099-80798626	31.7177	28.4755	-0.1556	0.180475
<i>Aff1</i>	chr5:103692373-103855322	10.3824	11.9892	0.2076	0.206914
<i>Mkrn1</i>	chr6:39397803-39420462	25.6399	24.0944	-0.0897	0.073839
<i>Ptdss2</i>	chr7:141122381-141157021	1.6410	1.9983	0.2842	0.054296
<i>Cltb</i>	chr13:54592400-54611344	8.6933	7.9926	-0.1212	0.058649
<i>Nudt19</i>	chr7:35547184-35556304	11.2704	9.9370	-0.1817	0.168390
<i>Zfp414</i>	chr17:33629089-33631779	8.5859	9.9456	0.2121	0.056660
<i>Gm26637</i>	chr17:78882041-78892500	2.5578	3.2567	0.3485	0.141481
<i>Lman2l</i>	chr1:36422064-36445271	2.1581	1.8286	-0.2390	0.162895
<i>Tet3</i>	chr6:83362372-83441678	17.8820	21.2034	0.2458	0.258827
<i>Igf1r</i>	chr7:67952858-68226780	2.7013	4.4603	0.7235	0.206802
<i>Bloc1s4</i>	chr5:36747373-36748679	10.9603	9.3925	-0.2227	0.158695
<i>Zfp869</i>	chr8:69706331-69710724	35.6359	40.1958	0.1737	0.101599
<i>Gadd45gip1</i>	chr8:84831521-84835482	29.4070	26.5957	-0.1450	0.181770
<i>Hmbox1</i>	chr14:64811600-64949870	4.1931	4.9138	0.2288	0.179246
<i>Rab8b</i>	chr9:66843671-66919705	29.4774	33.8033	0.1976	0.192153
<i>Tnfp1</i>	chr11:54910784-54962917	26.5436	30.0970	0.1813	0.149052
<i>Cuedc2</i>	chr19:46329811-46338660	9.6148	8.3847	-0.1975	0.125584
<i>Mastl</i>	chr2:23115605-23156024	0.8397	1.1098	0.4023	0.127766
<i>Usp49</i>	chr17:47630689-47686738	2.2603	2.6284	0.2177	0.104357
<i>Mad1l1</i>	chr5:140008688-140321552	13.5620	12.2570	-0.1460	0.177056
<i>Phgdh</i>	chr3:98313169-98339990	6.6377	5.8040	-0.1936	0.119847
<i>Bmp8b</i>	chr4:123105164-123132099	2.0249	1.6356	-0.3081	0.176780
<i>Pex14</i>	chr4:148960534-149099876	4.1066	3.7164	-0.1440	0.098312
<i>Dalrd3</i>	chr9:108569891-108572771	40.4619	37.6103	-0.1054	0.112065
<i>Smardc2</i>	chr11:106263178-106272972	58.8172	55.4541	-0.0849	0.096307
<i>Phtf2</i>	chr5:20758662-20882124	5.5624	6.4609	0.2161	0.154659
<i>Apobec1</i>	chr6:122577791-122602444	7.0603	8.3349	0.2394	0.141458
<i>Nedd8</i>	chr14:55662264-55671906	101.3881	89.5234	-0.1796	0.201562
<i>Hn1l</i>	chr17:24942155-24960636	8.8198	7.9655	-0.1470	0.052312
<i>Mtfr1l</i>	chr4:134525549-134535387	18.6167	17.1860	-0.1154	0.135423
<i>Ccdc55</i>	chr11:77044291-77078435	8.8559	10.2433	0.2100	0.117400
<i>Usp30</i>	chr5:114100332-114123506	10.9416	9.9568	-0.1361	0.099220
<i>Trbv12-1</i>	chr6:41113566-41114067	18.6787	23.4839	0.3303	0.113026
<i>Mkl2</i>	chr16:13256480-13417529	3.1047	3.6467	0.2321	0.156311
<i>Jade1</i>	chr3:41555733-41616862	14.3830	13.5450	-0.0866	0.028950
<i>E130102H24Rik</i>	chr4:101346530-101356248	13.7402	16.3223	0.2484	0.058512
<i>Cptp</i>	chr4:155864722-155869440	6.4810	5.7344	-0.1766	0.054324
<i>Dhdds</i>	chr4:133969027-134000918	6.4840	7.5007	0.2101	0.101214
<i>Tmem43</i>	chr6:91473702-91488459	21.5704	20.0884	-0.1027	0.126598
<i>Fam50a</i>	chrX:74313032-74320149	14.0246	16.9279	0.2714	0.159546
<i>Angpt2</i>	chr8:18690262-18741562	1.0635	1.4615	0.4587	0.231551
<i>Spq7</i>	chr8:123062941-123097760	19.3946	18.1061	-0.0992	0.121608
<i>Fam46a</i>	chr9:85320438-85327124	7.5199	8.6489	0.2018	0.143661
<i>Hagh</i>	chr17:24840142-24864450	8.0510	7.0957	-0.1822	0.050088
<i>Cdc5l</i>	chr17:45391891-45433707	34.8162	32.5984	-0.0950	0.069062
<i>Mtif3</i>	chr5:146951572-146963800	18.7066	17.6499	-0.0839	0.024933
<i>Uhrf1bp1</i>	chr17:27856489-27900040	0.7408	0.9417	0.3461	0.156256
<i>Moap1</i>	chr12:102742229-102743661	5.3600	6.5576	0.2909	0.058429
<i>Gpr132</i>	chr12:112850875-112860916	62.0817	57.3185	-0.1152	0.177051
<i>Ficd</i>	chr5:113735781-113740600	3.7461	4.3822	0.2263	0.022752
<i>Htatsf1</i>	chrX:57053582-57067183	17.5534	19.1694	0.1271	0.007634
<i>BC037032</i>	chr15:4021685-4027402	1.8673	1.5362	-0.2815	0.126477
<i>Gpn2</i>	chr4:133584361-133591735	11.0940	9.9211	-0.1612	0.014058
<i>Srsf10</i>	chr4:135855746-135869908	17.8624	19.6445	0.1372	0.063006
<i>Gm9625</i>	chr13:67810245-67811200	22.5380	19.1738	-0.2332	0.199779
<i>Zfp784</i>	chr7:5034438-5038446	4.7601	5.6282	0.2417	0.030309
<i>Zfp235</i>	chr7:24134173-24142266	5.6822	4.9546	-0.1977	0.088306
<i>Fdxr</i>	chr11:115268023-115277050	10.1425	9.2130	-0.1387	0.069731
<i>Xrcc3</i>	chr12:111803191-111813873	2.3821	2.9806	0.3233	0.105487
<i>2610001J05Rik</i>	chr6:13867734-13871518	4.5971	5.4433	0.2438	0.072167
<i>Slc16a13</i>	chr11:70216788-70220994	1.5525	1.9740	0.3465	0.023853
<i>Rangap1</i>	chr15:81704247-81729919	39.4815	36.2579	-0.1229	0.192957
<i>Ldlrad4</i>	chr18:67933256-68255549	12.1684	14.5454	0.2574	0.214848

<i>Il21</i>	chr3:37222758-37232618	2.2212	5.9855	1.4301	0.227231
<i>Stx6</i>	chr1:155158702-155203517	38.9669	35.8066	-0.1220	0.174500
<i>F730043M19Rik</i>	chr12:33111710-33147597	2.0313	2.6544	0.3860	0.229932
<i>Armc10</i>	chr5:21645812-21662694	25.4078	23.1671	-0.1332	0.171694
<i>Hist1h2bb</i>	chr13:23746733-23747202	30.6078	44.8819	0.5522	0.155993
<i>Prss53</i>	chr7:127885840-127890970	3.6088	4.3817	0.2800	0.080775
<i>Srp19</i>	chr18:34330846-34336599	13.4496	14.9021	0.1479	0.022115
<i>Prrc1</i>	chr18:57354732-57392719	2.2964	2.7788	0.2751	0.125440
<i>Gm26712</i>	chr6:57689432-57689649	26.9010	21.3261	-0.3350	0.141112
<i>Adap1</i>	chr5:139271875-139325622	1.6502	2.2238	0.4303	0.252013
<i>Z610021A01Rik</i>	chr7:41599260-41628533	13.0291	11.8797	-0.1332	0.134349
<i>Ccdc86</i>	chr19:10941480-10949266	3.8980	4.5975	0.2381	0.088677
<i>Magohb</i>	chr6:131284387-131293244	3.9494	3.1870	-0.3094	0.095743
<i>Slx4</i>	chr16:3979104-4003770	7.6296	8.6152	0.1753	0.129506
<i>Htr2b</i>	chr1:86099025-86111970	1.7252	2.2284	0.3693	0.070092
<i>Atf2</i>	chr2:73816508-73892639	9.7112	10.6829	0.1376	0.042838
<i>Kansl1l</i>	chr1:66719247-66817562	9.8173	10.8625	0.1460	0.063676
<i>Ttc39b</i>	chr4:83220299-83324255	19.3369	16.9717	-0.1882	0.307282
<i>Gak</i>	chr5:108569410-108629739	48.0191	45.5578	-0.0759	0.155763
<i>NA</i>	chr15:81857673-81858796	10.9677	9.1464	-0.2620	0.166164
<i>Tagln2</i>	chr1:172500046-172507380	55.7915	50.6371	-0.1399	0.199787
<i>Bbc3</i>	chr7:16309615-16318205	4.7639	3.9352	-0.2757	0.197889
<i>Gm20489</i>	chrX:101261404-101269023	123.9056	136.2291	0.1368	0.069589
<i>Spock2</i>	chr10:60106218-60135198	1.8180	3.9136	1.1062	0.237713
<i>Gcom1</i>	chr9:71479324-71592265	23.4931	21.3855	-0.1356	0.106611
<i>Zfx2</i>	chr14:55060261-55092324	0.9129	1.1817	0.3723	0.233090
<i>Rpl37a</i>	chr1:72711259-72713809	124.8751	105.5128	-0.2431	0.268452
<i>Cul2</i>	chr18:3382987-3436377	11.0092	12.3242	0.1628	0.060865
<i>NA</i>	chr4:144972622-144974683	5.0453	6.0795	0.2690	0.126632
<i>Foxj3</i>	chr4:119537003-119629119	6.8486	7.5719	0.1448	0.055981
<i>Rab11fip4</i>	chr11:79591211-79698023	23.9679	22.3347	-0.1018	0.206658
<i>Ccni</i>	chr5:93181932-93206495	37.1028	33.8660	-0.1317	0.190883
<i>Cln5</i>	chr14:103070215-103077579	20.6226	18.9976	-0.1184	0.118798
<i>Mfsd12</i>	chr10:81357490-81366225	3.6512	3.2035	-0.1887	0.109294
<i>Ube2g1</i>	chr11:72607282-72686481	11.7006	13.4879	0.2051	0.150479
<i>Ten1</i>	chr11:116198854-116215318	9.0474	8.0621	-0.1663	0.118835
<i>Cfl2</i>	chr12:54858816-54862877	14.4986	16.2887	0.1680	0.079047
<i>Sap18</i>	chr14:57798179-57804980	9.6022	8.7165	-0.1396	0.113924
<i>AI606181</i>	chr19:41593362-41596158	2.9284	3.5987	0.2974	0.118211
<i>Cr2</i>	chr1:195136810-195176715	0.6537	0.8474	0.3745	0.103760
<i>Gm28042</i>	chr2:120027482-120043033	3.9027	3.4831	-0.1641	0.209356
<i>Diablo</i>	chr5:123509764-123524176	13.6928	12.5811	-0.1222	0.143975
<i>Enc1</i>	chr13:97241104-97253039	14.1143	12.9547	-0.1237	0.157282
<i>Acap1</i>	chr11:69881566-69895539	101.4883	92.9967	-0.1261	0.232298
<i>Pcyt2</i>	chr11:120610086-120617936	17.9082	16.2699	-0.1384	0.185876
<i>Mxd1</i>	chr6:86647043-86669159	6.6607	7.9369	0.2529	0.193309
<i>Erlc1</i>	chr11:30930773-30954335	5.9804	6.8431	0.1944	0.048913
<i>Slfn5</i>	chr11:82951348-82962941	52.8163	61.0625	0.2093	0.204297
<i>Trim65</i>	chr11:116121845-116131128	6.3083	5.7131	-0.1430	0.159681
<i>Chsy1</i>	chr7:66109514-66173789	3.1387	4.1450	0.4012	0.270122
<i>Ppfia1</i>	chr7:144476757-144553729	15.2508	14.2556	-0.0974	0.185040
<i>Slc35b2</i>	chr17:45563963-45567669	10.7503	9.5776	-0.1666	0.177072
<i>Wrb</i>	chr16:96145406-96157852	3.6595	3.1668	-0.2086	0.155144
<i>Uqcrq</i>	chr11:53427921-53430831	12.5590	10.6184	-0.2422	0.229899
<i>Mir142hg</i>	chr11:87755576-87757270	575.7569	527.6372	-0.1259	0.221709
<i>Snf8</i>	chr11:96034884-96047430	10.3510	11.6676	0.1727	0.036205
<i>Srsf2</i>	chr11:116849900-116853094	119.0032	111.8002	-0.0901	0.141552
<i>Arel1</i>	chr12:84918147-84970900	23.8944	22.4398	-0.0906	0.177795
<i>Heatr1</i>	chr13:12395397-12438677	27.9952	26.2779	-0.0913	0.184201
<i>Timm50</i>	chr7:28305515-28312072	8.4663	7.5807	-0.1594	0.079297
<i>Cyfp1</i>	chr7:55841744-55930700	2.1481	3.7149	0.7903	0.213185
<i>Bcl7c</i>	chr7:127663352-127708933	1.2127	0.9860	-0.2985	0.121485
<i>Mki67</i>	chr7:135689787-135716379	5.2307	7.7630	0.5696	0.161267
<i>Pkn1</i>	chr8:83669761-83699179	36.8080	34.0020	-0.1144	0.208138
<i>Gm614</i>	chrX:101261375-101263992	12.9192	15.7552	0.2863	0.113428
<i>Phf1</i>	chr17:26933126-26937890	49.6569	45.6945	-0.1200	0.208359
<i>Kifc1</i>	chr17:33875665-33890661	3.1439	2.7215	-0.2082	0.035498
<i>Gm21992</i>	chr19:47429112-4811612	22.7737	21.3623	-0.0923	0.150256
<i>Fzd5</i>	chr1:64730559-64737750	1.1763	1.5242	0.3737	0.210585
<i>Pde6d</i>	chr1:86542993-86582629	4.3327	5.1061	0.2369	0.009541
<i>Slamf7</i>	chr1:171634924-171649007	5.2250	6.6161	0.3406	0.123004

<i>Tmem154</i>	chr3:84666191-84704575	14.4464	15.8781	0.1363	0.034577
<i>Ecm1</i>	chr3:95734146-95739569	4.3226	5.7778	0.4186	0.280045
<i>Hipk1</i>	chr3:103739814-103791563	43.5063	48.2989	0.1508	0.123401
<i>Cnn3</i>	chr3:121426540-121458205	17.7395	15.5880	-0.1865	0.216988
<i>Gar1</i>	chr3:129824911-129831396	3.4062	4.2047	0.3038	0.051298
<i>Slc15a4</i>	chr5:127595663-127632897	6.0372	5.4211	-0.1553	0.185619
<i>Abi2</i>	chr1:60409618-60481162	3.2685	3.8060	0.2196	0.136680
<i>Eij2s2</i>	chr2:154871409-154892935	8.8162	9.6925	0.1367	0.023287
<i>Slc39a4</i>	chr15:76612384-76616852	1.5754	2.4308	0.6257	0.258273
<i>Cass4</i>	chr2:172393793-172433757	0.9765	1.2765	0.3865	0.207647
<i>Ado</i>	chr10:67544511-67548955	17.5295	16.4423	-0.0924	0.049362
<i>Serpnb6b</i>	chr13:32965208-32979067	7.6458	6.4969	-0.2349	0.206787
<i>Z510002D24Rik</i>	chr16:18836577-18840158	33.5733	30.3654	-0.1449	0.178755
<i>Mospd3</i>	chr5:137596644-137601058	2.8707	2.2587	-0.3459	0.146521
<i>Ccdc66</i>	chr14:27482411-27508460	14.3480	15.9420	0.1520	0.030163
<i>Gpam</i>	chr19:55069733-55099451	5.9178	5.2962	-0.1601	0.110942
<i>Clk1</i>	chr1:58410188-58424066	124.9458	116.1575	-0.1052	0.220857
<i>Kif1b</i>	chr4:149176318-149307693	16.8223	19.5466	0.2165	0.230468
<i>Hnrmp3</i>	chr10:63014663-63024217	12.5415	14.0701	0.1659	0.068799
<i>Psm11</i>	chr11:80428614-80473248	6.3161	7.0163	0.1517	0.023433
<i>Timp2</i>	chr11:118301068-118355740	8.8074	10.0577	0.1915	0.130652
<i>Sostdc1</i>	chr12:36314168-36318452	1.2448	4.0558	1.7040	0.281595
<i>Nedd9</i>	chr13:41309915-41487320	71.8855	67.3905	-0.0932	0.142052
<i>Papd7</i>	chr13:69497958-69533839	6.1814	7.2056	0.2212	0.134106
<i>Cox19</i>	chr5:139336188-139345233	2.9534	3.4941	0.2425	0.054489
<i>Wipi2</i>	chr5:142629541-142670588	13.7939	12.9325	-0.0930	0.171470
<i>Rab19</i>	chr6:39381174-39390380	10.4557	12.4559	0.2525	0.156177
<i>Sept1</i>	chr7:127214446-127218498	225.3856	210.8123	-0.0964	0.157452
<i>B130055M24Rik</i>	chr7:127448635-127460360	19.2103	16.9982	-0.1765	0.244372
<i>Cers4</i>	chr8:4493025-4525757	5.2725	6.0906	0.2081	0.171959
<i>Eri1</i>	chr8:35465264-35495533	20.5963	19.2514	-0.0974	0.091326
<i>Phxr4</i>	chr9:13431360-13432736	5.5614	6.8696	0.3048	0.135250
<i>Mrps22</i>	chr9:98588732-98601679	19.4754	17.4363	-0.1596	0.089648
<i>Tnrc6b</i>	chr15:80711318-80941086	22.0390	25.3724	0.2032	0.254277
<i>Zfp740</i>	chr15:102203647-102215606	52.5090	50.0318	-0.0697	0.059543
<i>Dnajc3</i>	chr14:118937931-118981702	58.8333	54.3260	-0.1150	0.204139
<i>Gm17552</i>	chr19:4169565-4174284	8.3146	9.7874	0.2353	0.223912
<i>Degs1</i>	chr1:182275771-182282804	33.5420	31.6282	-0.0848	0.032749
<i>Ttc39c</i>	chr18:12599925-12737050	0.9303	1.8054	0.9565	0.222983
<i>Zer1</i>	chr2:30097282-30124585	10.3882	11.6872	0.1700	0.153366
<i>Wdsub1</i>	chr2:59852363-59882591	1.7253	2.1537	0.3200	0.087218
<i>Mettl15</i>	chr2:109092296-109280748	2.5141	2.0432	-0.2992	0.094492
<i>Actl6a</i>	chr3:32708545-32726968	29.4939	27.2245	-0.1155	0.122169
<i>Atp8b2</i>	chr3:89939480-89963508	31.5868	29.7041	-0.0887	0.212326
<i>Vps72</i>	chr3:95111021-95123051	11.2179	10.4007	-0.1091	0.025608
<i>Abcd3</i>	chr3:121758908-121815302	6.6533	6.0477	-0.1377	0.074302
<i>Aknaos</i>	chr4:63381357-63394018	20.8253	18.1585	-0.1977	0.236744
<i>Parp9</i>	chr16:35938469-35972605	46.1432	52.6934	0.1915	0.182062
<i>Slc16a6</i>	chr11:109450854-109473598	5.0950	5.7596	0.1769	0.027789
<i>Vipas39</i>	chr12:87238874-87266286	21.1404	19.5324	-0.1141	0.127180
<i>Txnrd2</i>	chr16:18426416-18479073	2.3901	2.9814	0.3189	0.170012
<i>Scly</i>	chr1:91298337-91321075	5.0175	5.7296	0.1915	0.081214
<i>Sipa1l2</i>	chr8:125418062-125492710	5.3972	4.8796	-0.1454	0.169015
<i>Prrc2a</i>	chr17:35149075-35164897	19.4031	23.2977	0.2639	0.303867
<i>Rabgap1l</i>	chr1:160219173-160792938	21.9728	25.1384	0.1942	0.213026
<i>Crtc1</i>	chr8:70382354-70439579	1.0834	1.3090	0.2728	0.160096
<i>Abcg3</i>	chr5:104935056-104982718	22.8706	21.0689	-0.1184	0.158266
<i>Gpm6b</i>	chrX:166238910-166388988	4.0812	8.0311	0.9766	0.194568
<i>Gpr18</i>	chr14:121911434-121915774	76.3745	71.1585	-0.1021	0.125393
<i>Ehd3</i>	chr17:73804840-73832093	45.6750	42.8164	-0.0932	0.169711
<i>Pdia4</i>	chr6:47796141-47813512	68.5116	63.9003	-0.1005	0.179381
<i>Jmjd1c</i>	chr10:67096124-67256326	18.4736	20.1640	0.1263	0.096622
<i>Nrn1</i>	chr13:36725624-36734477	2.2855	3.2732	0.5182	0.259444
<i>Myppop</i>	chr7:18991244-19001766	3.3591	2.7916	-0.2670	0.123149
<i>Ywhaz</i>	chr15:36770769-36794547	28.4391	32.2155	0.1799	0.127811
<i>Umpps</i>	chr16:33954781-33967038	12.8139	11.7241	-0.1282	0.119223
<i>Dnmbp</i>	chr19:43847966-43912392	4.6420	5.4038	0.2192	0.140957
<i>Gm23436</i>	chr1:161036983-161037049	274.1498	234.8174	-0.2234	0.183072
<i>Mmadhc</i>	chr2:50279880-50296801	18.6176	17.2319	-0.1116	0.045678
<i>Gm9870</i>	chr5:72914295-72914942	14.0691	11.5206	-0.2883	0.245560
<i>Irf8</i>	chr8:120736357-120756694	1.5989	1.9303	0.2717	0.161367

<i>Sccpdh</i>	chr1:179668209-179687189	0.9010	2.1478	1.2533	0.238341
<i>O610007P14Rik</i>	chr12:85815447-85824550	7.3117	6.5483	-0.1591	0.142237
<i>C1galt1c1</i>	chrX:38630784-38635087	15.9082	14.1748	-0.1664	0.126979
<i>Nsmaf</i>	chr4:6396206-6454271	18.4840	21.2971	0.2044	0.226995
<i>Tha1</i>	chr11:117867951-117873481	12.7159	11.0515	-0.2024	0.283845
<i>Ampd3</i>	chr7:110768205-110812405	3.2278	3.7880	0.2309	0.144292
<i>Tpm3-rs7</i>	chr14:113314607-113316713	5.1099	4.2426	-0.2684	0.146347
<i>Dopey2</i>	chr16:93711906-93810585	9.5061	10.8100	0.1854	0.179094
<i>S100a6</i>	chr3:90612893-90614414	24.7839	44.6857	0.8504	0.246313
<i>Zfp868</i>	chr8:69610856-69625548	8.2389	9.3021	0.1751	0.028465
<i>Il10ra</i>	chr9:45253836-45269149	18.4059	21.5466	0.2273	0.220812
<i>Lgals3</i>	chr14:47367750-47386160	1.9629	3.7977	0.9521	0.176114
<i>Ap1g2</i>	chr14:55098577-55106593	16.7422	18.6377	0.1547	0.101824
<i>Cap1</i>	chr4:122859046-122886056	203.1127	190.8071	-0.0902	0.138773
<i>Gmnn</i>	chr13:24751844-24761923	3.5813	4.5490	0.3451	0.126380
<i>Flywch1</i>	chr17:23755422-23771591	8.8860	8.0429	-0.1438	0.121738
<i>Tmem170</i>	chr8:111864897-111876675	3.7980	3.2011	-0.2467	0.048026
<i>2410015M20Rik</i>	chr17:56607451-56609771	55.5845	48.4505	-0.1982	0.226881
<i>Lgl1</i>	chr11:60699722-60714186	14.4588	13.2747	-0.1233	0.215916
<i>Surf2</i>	chr2:26916366-26920183	22.0231	20.6594	-0.0922	0.058880
<i>2310031A07Rik</i>	chr11:46440361-46447248	7.6614	9.1709	0.2595	0.036890
<i>Psmg7</i>	chr2:180036372-180042433	38.9824	35.7081	-0.1266	0.174050
<i>Limd2</i>	chr11:106156255-106160860	290.7322	268.3950	-0.1153	0.209529
<i>Nudt4</i>	chr10:95547006-95564167	9.6589	11.1577	0.2081	0.173903
<i>Xrcc6bp1</i>	chr10:126868429-126901371	3.6912	3.0138	-0.2925	0.016431
<i>Wbp1</i>	chr6:83119043-83121559	21.1128	19.0358	-0.1494	0.202794
<i>Carm1</i>	chr9:21546893-21589487	9.1269	10.5317	0.2065	0.174353
<i>Dcps</i>	chr9:35124407-35176061	26.6765	24.3924	-0.1291	0.087057
<i>Hinfp</i>	chr9:44295672-44305671	16.9500	15.5788	-0.1217	0.090561
<i>Mrpl52</i>	chr14:54426908-54429750	51.8724	60.3285	0.2179	0.126596
<i>Rhbdl1</i>	chr17:25834468-25837157	7.1251	5.7378	-0.3124	0.264451
<i>Dnah8</i>	chr17:30624353-30875264	35.2688	27.2303	-0.3732	0.225416
<i>Daam2</i>	chr17:49456021-49564337	0.8269	0.6596	-0.3263	0.127721
<i>Akt3</i>	chr1:177020072-177258203	22.7916	25.0863	0.1384	0.078335
<i>Spry1</i>	chr3:37639946-37644598	1.6311	2.3589	0.5323	0.269146
<i>Fam189b</i>	chr3:89183142-89189295	29.5923	27.0837	-0.1278	0.221247
<i>Nop10</i>	chr2:112261925-112263269	66.5493	57.6034	-0.2083	0.263120
<i>Rhoh</i>	chr5:65863568-65896700	47.1813	42.7156	-0.1435	0.233760
<i>Jarid2</i>	chr13:44729473-44921643	13.6119	14.9518	0.1355	0.085585
<i>Zbtb8os</i>	chr4:129335694-129354547	3.1499	3.6264	0.2032	0.020436
<i>Litaf</i>	chr16:10959274-11066157	5.3163	6.6063	0.3134	0.250557
<i>Eif3i</i>	chr4:129591959-129600648	45.8475	41.2692	-0.1518	0.233700
<i>Evi2b</i>	chr11:79513384-79530589	17.5883	19.5912	0.1556	0.107240
<i>Oas2</i>	chr5:120730332-120749853	4.8572	8.0412	0.7273	0.176490
<i>Atf7ip</i>	chr6:136518850-136607377	26.6931	31.1457	0.2226	0.259074
<i>Zfp715</i>	chr7:43296196-43313294	15.6227	14.4695	-0.1106	0.140688
<i>Them6</i>	chr15:74721233-74724373	12.0280	10.3122	-0.2220	0.227771
<i>Tbc1d4</i>	chr14:101442359-101609191	11.6719	18.2557	0.6453	0.209001
<i>Yif1a</i>	chr19:5088537-5092879	17.6672	16.0825	-0.1356	0.062629
<i>Gm14446</i>	chr19:34592887-34601968	91.1118	108.6355	0.2538	0.246272
<i>Tor1aip1</i>	chr1:156004598-156036480	12.9196	14.2865	0.1451	0.080102
<i>Rprd1a</i>	chr18:24484961-24530204	4.0753	3.6012	-0.1784	0.109606
<i>Ap1ar</i>	chr3:127807263-127837492	23.5068	21.8915	-0.1027	0.078696
<i>Nup54</i>	chr5:92415539-92435219	13.6822	12.3714	-0.1453	0.142241
<i>Mzt2</i>	chr16:15848440-15863369	4.7124	3.7907	-0.3140	0.125074
<i>Naglu</i>	chr11:101070011-101077672	9.8789	8.8166	-0.1641	0.192906
<i>Hps4</i>	chr5:112343082-112378414	5.3278	4.8007	-0.1503	0.087074
<i>Gm13554</i>	chr2:26059009-26060275	13.7010	11.0388	-0.3117	0.183120
<i>Tyw3</i>	chr3:154576519-154597104	2.5471	2.1940	-0.2153	0.117788
<i>Pdlim1</i>	chr19:40221172-40271842	10.1910	9.2385	-0.1416	0.198411
<i>Slc4a2</i>	chr5:24423836-24440950	12.2560	11.2845	-0.1191	0.205183
<i>Dnmt1</i>	chr9:20907205-20959888	51.0725	48.2224	-0.0828	0.168596
<i>4933427D14Rik</i>	chr11:72153928-72207459	5.8414	6.6783	0.1932	0.153327
<i>Nxn</i>	chr11:76257197-76399140	4.2779	3.6784	-0.2178	0.137508
<i>Galm</i>	chr17:80127470-80185101	3.7175	4.4877	0.2716	0.145670
<i>Fads1</i>	chr19:10182887-10196870	6.4414	5.7046	-0.1752	0.165132
<i>D10Wsu102e</i>	chr10:83360220-83368835	20.6780	22.9033	0.1475	0.062053
<i>Tuba1a</i>	chr15:98949840-98953551	35.4944	31.5827	-0.1685	0.208669
<i>Pam</i>	chr1:97795113-98095646	1.3758	1.6487	0.2610	0.126188
<i>Ece2</i>	chr16:20611592-20646485	1.2980	1.1022	-0.2359	0.101038
<i>Rfx7</i>	chr9:72532239-72622937	6.6928	7.8556	0.2311	0.196526

<i>Parp1</i>	chr1:180568954-180601253	41.4204	38.3734	-0.1102	0.174297
<i>Rspry1</i>	chr8:94601954-94660275	15.5858	14.5091	-0.1033	0.134613
<i>Gm21975</i>	chr11:79513384-79530559	17.8445	19.8568	0.1542	0.107588
<i>Eif3k</i>	chr7:28971372-28981814	255.6113	228.2087	-0.1636	0.244433
<i>Zfp317</i>	chr9:19641223-19648048	34.4661	32.2544	-0.0957	0.056320
<i>Alg3</i>	chr16:20605450-20610768	8.8702	7.7221	-0.2000	0.091225
<i>Sssca1</i>	chr19:5728087-5731732	19.2288	17.5698	-0.1302	0.190749
<i>Gm21958</i>	chr3:54713175-54714353	6.0108	7.8346	0.3823	0.108213
<i>Tnrc18</i>	chr5:142750379-142817662	4.6288	5.5546	0.2630	0.259399
<i>BC005624</i>	chr2:30972832-30982201	17.1803	15.6883	-0.1311	0.145015
<i>Zzz3</i>	chr3:152395472-152462826	22.0495	20.8404	-0.0814	0.135933
<i>Atf6</i>	chr1:170704673-170867771	2.1096	2.5377	0.2666	0.234987
<i>Pip4k2a</i>	chr2:18842254-18998126	40.2669	45.1037	0.1637	0.116777
<i>Fam102b</i>	chr3:108970996-109027607	9.6454	8.7789	-0.1358	0.189874
<i>Gm26538</i>	chr18:34796894-34803484	2.9436	3.5912	0.2869	0.172944
<i>Cdk19</i>	chr10:40349307-40483818	18.2882	20.2082	0.1440	0.092114
<i>NA</i>	chr15:75979871-75982285	9.7585	8.5269	-0.1946	0.207024
<i>Gsk3a</i>	chr7:25228257-25237851	40.7780	38.4332	-0.0854	0.086116
<i>Flad1</i>	chr3:89401003-89411870	14.0139	12.9823	-0.1103	0.149861
<i>Tssc1</i>	chr12:28751827-28867491	19.2606	17.6512	-0.1259	0.078646
<i>Acp1</i>	chr12:30893325-30911612	4.3240	5.0289	0.2179	0.063150
<i>Htra2</i>	chr6:83051265-83055273	18.8610	17.2526	-0.1286	0.193428
<i>Zfp689</i>	chr7:127443751-127449158	9.1434	8.0311	-0.1871	0.178258
<i>Fam89b</i>	chr19:5728086-5729653	34.3247	31.3058	-0.1328	0.150685
<i>Dolk</i>	chr2:30284228-30286354	8.2306	7.2447	-0.1841	0.152227
<i>Cept1</i>	chr3:106502259-106547802	45.1016	49.2227	0.1261	0.058098
<i>Surf6</i>	chr2:26888627-26902879	20.5341	19.1374	-0.1016	0.107321
<i>Tpx2</i>	chr2:152847963-152895321	1.5692	2.1057	0.4243	0.301876
<i>Vrk2</i>	chr11:26471321-26593999	5.0270	5.5927	0.1538	0.017783
<i>Grap</i>	chr11:61653264-61672784	105.7526	98.9299	-0.0962	0.165126
<i>Ccdc132</i>	chr6:3498392-3603531	7.7886	7.2433	-0.1047	0.028627
<i>Cnot6</i>	chr11:49671502-49712723	20.7134	23.0928	0.1569	0.152071
<i>Ndufb11</i>	chrX:20615325-20617619	51.8724	45.2482	-0.1971	0.265856
<i>Amdhd2</i>	chr17:24155832-24163766	9.5074	8.5033	-0.1610	0.194763
<i>Eif4g3</i>	chr4:137993021-138208508	13.2503	14.9543	0.1745	0.191796
<i>Cfp</i>	chrX:20925453-20931555	2.8418	3.5811	0.3336	0.092892
<i>Nod1</i>	chr6:54923941-54972612	7.3267	8.6405	0.2380	0.232077
<i>Ndufs7</i>	chr10:80249120-80256794	25.3375	22.9386	-0.1435	0.204952
<i>Ncaph2</i>	chr15:89355718-89372826	34.9985	32.8283	-0.0924	0.149783
<i>Cdkn1b</i>	chr6:134920400-134925513	76.8642	84.3157	0.1335	0.096222
<i>Rbms2</i>	chr10:128129469-128180297	2.3355	2.7769	0.2498	0.156994
<i>Ctdp1</i>	chr18:80407958-80469695	24.7760	23.3966	-0.0826	0.115081
<i>Phc3</i>	chr3:30899294-30969415	11.8470	13.3738	0.1749	0.202010
<i>Arsb</i>	chr13:93771678-93943016	2.5308	3.1353	0.3090	0.194471
<i>Mkln1</i>	chr6:31398734-31516811	7.4480	8.0176	0.1063	0.012507
<i>Slc39a14</i>	chr14:70303468-70351425	4.2669	3.8680	-0.1416	0.225257
<i>Dnajc25</i>	chr4:58995061-59025573	1.2482	1.5201	0.2843	0.030109
<i>Fn3krp</i>	chr11:121421400-121431288	6.6022	5.7458	-0.2004	0.157855
<i>Chd7</i>	chr4:8690405-8867659	22.6595	21.0275	-0.1078	0.248512
<i>Il15ra</i>	chr2:11705286-11733986	2.2193	2.7051	0.2856	0.164775
<i>Nhp2</i>	chr11:51619734-51623714	36.5414	32.5636	-0.1663	0.199179
<i>Kmt2d</i>	chr15:98831668-98871204	7.7352	10.3456	0.4195	0.197524
<i>Psmb8</i>	chr17:34197720-34201454	126.2356	116.8905	-0.1110	0.218615
<i>Rpl12</i>	chr2:32961558-32964496	32.5595	30.2038	-0.1083	0.155283
<i>Impact</i>	chr18:12972251-12992948	10.9456	12.1565	0.1514	0.045781
<i>Mcee</i>	chr7:64392644-64412121	7.1769	5.5143	-0.3802	0.191762
<i>Zfp709</i>	chr8:71887263-71890912	8.6843	10.1228	0.2211	0.137037
<i>Etv3</i>	chr3:87525406-87540156	19.0001	17.7228	-0.1004	0.213174
<i>Pck2</i>	chr14:55540265-55550017	4.8688	5.5572	0.1908	0.025969
<i>Abce1</i>	chr8:79683441-79711740	70.5052	65.8567	-0.0984	0.168770
<i>S100a4</i>	chr3:90603769-90606045	41.6548	70.5874	0.7609	0.239039
<i>Tmem97</i>	chr11:78541816-78550777	3.6780	2.9753	-0.3059	0.073725
<i>Tsga10</i>	chr1:37754571-37865298	0.3630	0.4735	0.3833	0.088722
<i>Fbxl6</i>	chr15:76535729-76538746	27.9795	25.6361	-0.1262	0.182699
<i>Pde1b</i>	chr15:103503297-103530052	13.8721	12.4626	-0.1546	0.234604
<i>Bbs4</i>	chr9:59321965-59353508	6.9557	7.9572	0.1941	0.055450
<i>Spin2c</i>	chrX:153832224-153834243	3.3878	2.6402	-0.3597	0.160820
<i>Spag5</i>	chr11:78301528-78322457	0.8599	1.1179	0.3785	0.183785
<i>Focad</i>	chr4:88094628-88411011	7.4769	6.9403	-0.1074	0.198773
<i>Leprot</i>	chr4:101647717-101659364	14.8699	16.6742	0.1652	0.044659
<i>Acot7</i>	chr4:152178133-152271855	4.4123	5.8529	0.4076	0.302744

<i>Synrg</i>	chr11:83964427-84044578	13.2575	14.6080	0.1400	0.096831
<i>Usp42</i>	chr5:143710324-143732280	7.7370	8.6722	0.1646	0.116810
<i>Spr</i>	chr6:85133677-85137766	21.0477	18.4946	-0.1866	0.204585
<i>Fam120b</i>	chr17:15396245-15433580	25.0671	23.8324	-0.0729	0.027979
<i>Rgs19</i>	chr2:181688418-181693977	54.9365	51.8575	-0.0832	0.080405
<i>Rock2</i>	chr12:16894977-16988274	17.0810	18.8744	0.1440	0.108198
<i>Cdca3</i>	chr6:124829546-124833701	2.5478	3.2651	0.3579	0.213713
<i>Igsf8</i>	chr1:172261640-172319841	2.3800	2.0681	-0.2027	0.110004
<i>9930111J21Rik1</i>	chr11:48946149-48979398	11.5473	12.9530	0.1657	0.133831
<i>Lamp2</i>	chrX:38401356-38456454	4.5733	5.2552	0.2005	0.203538
<i>Dock10</i>	chr1:80501072-80758553	128.1837	121.7917	-0.0738	0.127117
<i>1500012F01Rik</i>	chr2:167062933-167065862	24.7247	27.7460	0.1663	0.092167
<i>Nup98</i>	chr7:102134203-102210120	29.0406	31.7852	0.1303	0.070603
<i>Zbtb39</i>	chr10:127739537-127747335	2.0007	2.3797	0.2503	0.137166
<i>Scai</i>	chr2:39066213-39190730	8.7290	9.5652	0.1320	0.064655
<i>Cacna1d</i>	chr14:30039948-30491156	0.5303	0.9654	0.8642	0.207320
<i>Fam58b</i>	chr11:78750506-78751729	18.4288	16.1688	-0.1888	0.239746
<i>Prkca</i>	chr11:107933386-108343928	11.5288	13.3409	0.2106	0.241776
<i>Nphp3</i>	chr9:104002543-104043730	0.6308	0.8000	0.3429	0.085717
<i>Fth1</i>	chr19:9982702-9985092	151.7404	180.3976	0.2496	0.203446
<i>Slc20a1</i>	chr2:129198763-129211616	57.4155	53.6058	-0.0991	0.202209
<i>Uhrf1bp1l</i>	chr10:89744990-89819869	15.9757	17.3964	0.1229	0.056815
<i>Mink1</i>	chr11:70562880-70614483	13.2579	14.8179	0.1605	0.154368
<i>Slc16a3</i>	chr11:120948479-120960868	1.3865	1.8162	0.3895	0.261938
<i>Tbcd</i>	chr11:121451948-121617164	14.2821	13.3248	-0.1001	0.198186
<i>Frmf6</i>	chr12:70825513-70902232	6.4999	7.4609	0.1989	0.145236
<i>Fos</i>	chr12:85473889-85477273	5.8786	7.1866	0.2898	0.229007
<i>Ssr1</i>	chr13:37971400-37994190	13.3476	14.6465	0.1340	0.074169
<i>Rsb1l</i>	chr5:20893027-20951822	16.7441	18.3054	0.1286	0.070362
<i>Cct6a</i>	chr5:129787438-129845820	97.1464	89.5833	-0.1169	0.203626
<i>Zkscan1</i>	chr5:138085083-138107822	14.6992	15.8820	0.1117	0.006974
<i>Arpc1b</i>	chr5:145114214-145130705	75.8547	70.8520	-0.0984	0.180934
<i>Zfp783</i>	chr6:47943170-47955913	3.4376	2.4259	-0.5029	0.158349
<i>Bax</i>	chr7:45461694-45466898	47.7888	44.3439	-0.1079	0.057687
<i>Rab6a</i>	chr7:100607409-100641268	23.3397	21.4946	-0.1188	0.198903
<i>Gtf3c1</i>	chr7:125640954-125707780	24.7311	23.1496	-0.0953	0.242948
<i>D130040H23Rik</i>	chr8:69300775-69303162	6.7424	8.1680	0.2767	0.145518
<i>Upf1</i>	chr8:70331521-70353273	36.8360	34.0171	-0.1149	0.269542
<i>Tyk2</i>	chr9:21104068-21127346	27.1064	25.3302	-0.0978	0.210301
<i>Dpy19l1</i>	chr9:24411775-24503140	10.3590	9.5916	-0.1110	0.146221
<i>Pafah1b2</i>	chr9:45965310-45984871	30.9451	28.7581	-0.1057	0.165010
<i>Hmg20a</i>	chr9:56418643-56496884	20.5679	22.7595	0.1461	0.070967
<i>Hexa</i>	chr9:59539666-59565105	35.1700	32.3123	-0.1223	0.188033
<i>Snx22</i>	chr9:66065175-66069731	61.9164	56.2473	-0.1385	0.244999
<i>NA</i>	chr9:110037288-110040467	2.5553	3.1373	0.2960	0.143767
<i>Trak1</i>	chr9:121366957-121474916	13.1064	14.5463	0.1504	0.099548
<i>Atp6ap2</i>	chrX:12587800-12617049	26.1880	24.0103	-0.1253	0.185373
<i>Upf3b</i>	chrX:37091677-37110322	8.5342	9.5421	0.1610	0.073672
<i>Scaf11</i>	chr15:96411697-96460843	35.3631	38.2944	0.1149	0.045920
<i>Galnt6os</i>	chr15:100695779-100704896	27.1606	24.9477	-0.1226	0.124397
<i>Vdac2</i>	chr14:21831268-21845879	28.8042	26.3700	-0.1274	0.196636
<i>Akap11</i>	chr14:78492245-78536860	20.2541	18.8686	-0.1022	0.234414
<i>Ppp1r11</i>	chr17:36948355-36951741	35.5210	32.3682	-0.1341	0.202959
<i>Chaf1a</i>	chr17:56040415-56068026	1.4031	1.8119	0.3689	0.167293
<i>Polr2h</i>	chr16:20717664-20722267	13.2312	11.7146	-0.1756	0.120256
<i>Lsg1</i>	chr16:30560493-30587592	13.3766	12.6134	-0.0848	0.050354
<i>Cd200r3</i>	chr16:44943677-44981380	2.2299	1.8418	-0.2759	0.253043
<i>Mx2</i>	chr16:97536082-97560899	3.4123	5.3324	0.6440	0.152305
<i>Tmbim1</i>	chr1:74288246-74305622	0.9713	1.1919	0.2954	0.215292
<i>Cacybp</i>	chr1:160202366-160212892	31.2630	27.6064	-0.1795	0.273697
<i>Gm4955</i>	chr1:173468508-173491041	26.9641	31.0656	0.2043	0.224599
<i>Gtf3c4</i>	chr2:28822298-28840360	8.6952	7.9824	-0.1234	0.186088
<i>Arhgap15os</i>	chr2:44059237-44065324	8.0736	9.3047	0.2047	0.060874
<i>Cers6</i>	chr2:68861440-69114282	13.6229	12.7369	-0.0970	0.165180
<i>Npepl1</i>	chr2:174110348-174123070	31.8755	29.7960	-0.0973	0.216668
<i>Mrps28</i>	chr3:8802145-8923918	15.5328	13.1349	-0.2419	0.166580
<i>Tet2</i>	chr3:133463678-133544390	10.1372	11.0778	0.1280	0.076742
<i>Adh5</i>	chr3:138443092-138455499	41.3773	38.3049	-0.1113	0.174250
<i>Zc3h12a</i>	chr4:125118422-125127840	10.2794	12.2820	0.2568	0.260052
<i>Gm26615</i>	chr4:133085473-133089146	1.3615	1.7469	0.3597	0.124648
<i>Atp6v0e</i>	chr17:26676395-26699644	20.4771	18.7369	-0.1281	0.179150

<i>Cnm2</i>	chr19:46761595-46878795	3.3640	2.9008	-0.2137	0.185007
<i>Tprgl</i>	chr4:154157484-154160666	78.5335	73.0195	-0.1050	0.195373
<i>Mib1</i>	chr18:10725547-10818704	10.4270	11.3895	0.1274	0.061483
<i>Gm26964</i>	chr11:61865474-61867639	7.0213	8.5655	0.2868	0.070378
<i>Traj6</i>	chr14:54212687-54212749	134.2532	163.8632	0.2875	0.141078
<i>H2-Q5</i>	chr17:35394125-35397800	27.8193	32.8708	0.2407	0.257678
<i>Vim</i>	chr2:13573926-13582826	159.7141	148.1196	-0.1087	0.211642
<i>Dak</i>	chr19:10592199-10604258	3.1990	3.9314	0.2974	0.163357
<i>Tram1</i>	chr1:13564701-13589864	153.4428	141.1975	-0.1200	0.230673
<i>Polr2b</i>	chr5:77310146-77349324	40.7290	38.1864	-0.0930	0.163609
<i>Dhx30</i>	chr9:110084319-110117830	15.9040	14.9528	-0.0890	0.187231
<i>Zfp367</i>	chr13:64133021-64153202	4.2684	4.8815	0.1936	0.117634
<i>Sec13</i>	chr6:113728066-113740743	60.2088	55.4186	-0.1196	0.196759
<i>Edrf1</i>	chr7:133637542-133672971	19.3507	18.0331	-0.1017	0.204550
<i>Bcl2</i>	chr1:106538177-106714274	72.3729	66.8925	-0.1136	0.276452
<i>Ppp4r1-ps</i>	chr2:173579319-173659640	1.8036	2.1142	0.2293	0.176050
<i>Chil5</i>	chr3:106016918-106024916	23.4169	16.9498	-0.4663	0.247848
<i>Adcy7</i>	chr8:88272402-88329962	95.5547	89.6264	-0.0924	0.243547
<i>Csrp1</i>	chr1:135720060-135752232	50.6897	45.9766	-0.1408	0.252478
<i>Nkg7</i>	chr7:43437072-43438246	7.6911	14.1330	0.8778	0.192287
<i>Arhgap17</i>	chr7:123279149-123369915	3.1940	3.8088	0.2540	0.167522
<i>Kars</i>	chr8:111993439-112011323	59.5728	55.2169	-0.1095	0.177847
<i>Cmc2</i>	chr8:116888684-116921455	3.8531	3.1808	-0.2766	0.175922
<i>Ubi7</i>	chr9:57910985-57929968	15.2684	17.8579	0.2260	0.144265
<i>Cep170</i>	chr1:176733652-176807124	6.8495	7.8272	0.1925	0.159900
<i>Zkscan6</i>	chr11:65807174-65829239	19.8829	18.4155	-0.1106	0.126598
<i>Dlg1</i>	chr16:31663442-31873356	13.8823	15.0176	0.1134	0.011529
<i>Crnk1</i>	chr2:145917478-145935014	23.2388	21.5912	-0.1061	0.148933
<i>Mrpl55</i>	chr11:59202485-59206134	13.4104	11.5536	-0.2150	0.162745
<i>NA</i>	chr13:23575762-23577011	3.1872	4.1391	0.3770	0.159722
<i>Pdxdc1</i>	chr16:13833147-13903131	17.5254	16.7292	-0.0671	0.031329
<i>Rundc1</i>	chr11:101425084-101435673	10.3145	9.4502	-0.1263	0.173792
<i>Agk</i>	chr6:40325477-40396762	7.3042	6.4939	-0.1696	0.102556
<i>Osbp2</i>	chr2:180119305-180162680	16.0590	15.0661	-0.0921	0.061351
<i>Gm13212</i>	chr4:145585165-145625345	1.7069	2.2068	0.3706	0.160988
<i>NA</i>	chr10:79540245-79541960	14.9975	13.6377	-0.1371	0.053977
<i>Ikzf4</i>	chr10:128630842-128645991	1.1990	1.5259	0.3479	0.198890
<i>Slc35d2</i>	chr13:64096309-64129330	11.5035	13.0224	0.1789	0.096213
<i>Zxdc</i>	chr6:90369491-90403490	8.2980	7.7344	-0.1015	0.194390
<i>Rad52</i>	chr6:119902697-119922828	12.0587	11.1898	-0.1079	0.046081
<i>Cnot1</i>	chr8:95719450-95807462	47.7232	52.2213	0.1299	0.110409
<i>Galns</i>	chr8:122578237-122611487	8.6314	7.7085	-0.1631	0.188064
<i>Cxcr5</i>	chr9:44511787-44556391	9.7713	15.5719	0.6723	0.265798
<i>Pcsk7</i>	chr9:45906568-45929692	22.0113	20.6931	-0.0891	0.138529
<i>Trip4</i>	chr9:65828929-65908794	5.6271	6.1759	0.1343	0.015834
<i>Cdpf1</i>	chr15:85806971-85811697	16.0881	14.0496	-0.1955	0.199169
<i>Actr8</i>	chr14:29978336-29993221	34.0976	31.9427	0.3942	0.136946
<i>Tsr3</i>	chr17:25240169-25242798	22.5071	20.1010	-0.1631	0.195298
<i>Brd4</i>	chr17:32196273-32284722	6.3903	7.2949	0.1910	0.203280
<i>Lclat1</i>	chr17:73107984-73243368	4.9086	5.9688	0.2821	0.268481
<i>Ttc9c</i>	chr19:8809074-8819333	14.7394	13.4794	-0.1289	0.184381
<i>Adipor1</i>	chr1:134415377-134433351	25.5430	23.8386	-0.0996	0.166423
<i>Cytip</i>	chr2:58129136-58195532	174.8913	164.8632	-0.0852	0.178043
<i>Ssr2</i>	chr3:88579670-88588397	53.3586	48.5127	-0.1374	0.227026
<i>Slc25a24</i>	chr3:109123148-109168457	6.9582	8.1951	0.2360	0.231014
<i>Gbp7</i>	chr3:142530337-142550083	45.4490	50.3846	0.1487	0.140555
<i>Ifngr2</i>	chr16:91547071-91565169	21.0043	19.3402	-0.1191	0.185383
<i>NA</i>	chr7:127559385-127565266	8.4245	10.5560	0.3254	0.341750
<i>Lss</i>	chr10:76531587-76557138	5.0087	4.4712	-0.1638	0.277901
<i>Syne2</i>	chr12:75818133-76110926	3.0838	2.8637	-0.1068	0.183172
<i>Rps6ka5</i>	chr12:100549777-100725028	4.4499	3.9720	-0.1639	0.118817
<i>Srd5a3</i>	chr5:76140270-76155504	6.6475	6.1473	-0.1129	0.019939
<i>Fam63b</i>	chr9:70599013-70657174	30.2548	28.2972	-0.0965	0.198228
<i>Mrpl57</i>	chr14:57826238-57828745	16.3474	14.3985	-0.1831	0.220099
<i>Ciita</i>	chr16:10488177-10527564	1.3820	1.6985	0.2975	0.149191
<i>Gsto1</i>	chr19:47854969-47864790	2.6670	3.5139	0.3979	0.242830
<i>Prkcq</i>	chr2:11172112-11301226	104.1569	100.4237	-0.0527	0.062041
<i>Coa7</i>	chr4:108328139-108341544	5.4964	4.9950	-0.1380	0.076561
<i>Homer3</i>	chr8:70282826-70294361	6.4687	5.8613	-0.1422	0.061338
<i>Jmjd8</i>	chr17:25828866-25831842	36.1231	34.1782	-0.0798	0.117351
<i>Katna1</i>	chr10:7725999-7763150	32.1082	29.2284	-0.1356	0.214780

<i>H2afy</i>	chr13:56073618-56136361	43.2439	41.0753	-0.0742	0.153091
<i>Qprt</i>	chr7:127107113-127122226	8.3819	9.7311	0.2153	0.164015
<i>Stk11</i>	chr10:80115802-80130682	21.6524	20.0849	-0.1084	0.235933
<i>Snx14</i>	chr9:88376746-88438958	13.2961	14.7152	0.1463	0.080603
<i>Axin2</i>	chr11:108920348-108950783	11.8203	10.8311	-0.1261	0.271289
<i>2900005J15Rik</i>	chr5:25100982-25110109	2.5833	3.2427	0.3279	0.200211
<i>Psemb6</i>	chr11:70525366-70527858	57.3528	50.5380	-0.1825	0.299343
<i>2810403A07Rik</i>	chr3:88685793-88712933	67.4309	63.4702	-0.0873	0.190483
<i>Aprt</i>	chr8:122574636-122576907	51.0519	46.4682	-0.1357	0.178430
<i>Fundc1</i>	chrX:17556563-17572325	8.5066	9.7243	0.1930	0.097374
<i>Ccnt1</i>	chr15:98538688-98570923	22.1321	20.8269	-0.0877	0.171848
<i>1810012K08Rik</i>	chr2:26138545-26139543	15.4183	13.3754	-0.2051	0.064709
<i>Tlr1</i>	chr5:64924810-64932761	51.1943	47.1372	-0.1191	0.262529
<i>Dhx38</i>	chr8:109548016-109565601	28.5246	26.9804	-0.0803	0.105122
<i>Dip2b</i>	chr15:100038663-100219473	19.9384	21.9289	0.1373	0.135511
<i>Cul7</i>	chr17:46650336-46664364	1.4223	1.2149	-0.2274	0.182151
<i>BC029214</i>	chr2:25455140-25461094	24.0296	22.0425	-0.1245	0.198185
<i>Hist3h2a</i>	chr11:58954684-58956674	22.2940	19.7455	-0.1751	0.229237
<i>9330104G04Rik</i>	chr7:16871353-16874886	3.1318	2.6621	-0.2344	0.023417
<i>Cenpj</i>	chr14:56526760-56571846	8.2522	9.3791	0.1847	0.102767
<i>Cd48</i>	chr1:171682008-171705258	128.0865	118.2709	-0.1150	0.259486
<i>D17H6S53E</i>	chr17:35126372-35128855	22.7216	21.2405	-0.0972	0.070339
<i>Gm11998</i>	chr11:11557420-11579460	7.2336	5.8289	-0.3115	0.250853
<i>Irf5</i>	chr6:29526624-29541869	8.2917	9.4063	0.1820	0.103218
<i>Scaper</i>	chr9:55549882-55919605	17.5013	19.3298	0.1434	0.102813
<i>Ubn1</i>	chr16:5050067-5086285	37.5624	35.2923	-0.0899	0.240259
<i>C330006A16Rik</i>	chr2:26136813-26140521	15.6960	14.3663	-0.1277	0.168428
<i>Tceanc2</i>	chr4:107134154-107179116	7.2434	6.7092	-0.1105	0.174499
<i>Cdc40</i>	chr10:40831625-40883143	11.7346	13.3382	0.1848	0.117334
<i>Trbd1</i>	chr6:41533200-41533212	1124.3221	966.9559	-0.2175	0.202646
<i>9930111J21Rik2</i>	chr11:49015873-49051242	13.7951	15.0032	0.1211	0.052189
<i>Ppm1k</i>	chr6:57506501-57535426	14.8758	13.5651	-0.1331	0.255064
<i>Wdr55</i>	chr18:36760238-36763708	30.8831	28.8327	-0.0991	0.035599
<i>Meaf6</i>	chr4:125085133-125113238	5.2035	5.8510	0.1692	0.057556
<i>Gm166</i>	chr7:127582383-127588595	14.1742	13.0344	-0.1209	0.115673
<i>Chpt1</i>	chr10:88452744-88504073	0.7184	0.9071	0.3365	0.189087
<i>Wbp2</i>	chr11:116078572-116086995	12.7087	14.7091	0.2109	0.212248
<i>2700038G22Rik</i>	chr5:23850596-23854924	4.0282	3.2889	-0.2925	0.126562
<i>Gm26858</i>	chr17:32369304-32378445	3.6963	3.1627	-0.2249	0.057669
<i>Tubb5</i>	chr17:35833925-35838306	267.0404	250.3567	-0.0931	0.188829
<i>Pfn2</i>	chr3:57841894-57847564	1.9912	2.4460	0.2968	0.127151
<i>2810425M01Rik</i>	chr10:77486663-77516430	7.4153	6.4631	-0.1983	0.184759
<i>Rilp2</i>	chr5:124463264-124478366	10.9104	13.5402	0.3115	0.275773
<i>Scaf8</i>	chr17:3114971-3198855	31.2047	33.8774	0.1186	0.074575
<i>Hectd2</i>	chr19:36554638-36621135	1.6645	1.9579	0.2342	0.161598
<i>Asb1</i>	chr1:91540564-91559590	5.5216	5.0176	-0.1381	0.233935
<i>Fastkd5</i>	chr2:130613839-130630027	11.5153	10.5463	-0.1268	0.119574
<i>Padi3</i>	chr4:140785364-140810648	1.3884	1.1452	-0.2779	0.020518
<i>Xpo7</i>	chr14:70654245-70766628	9.5657	9.0830	-0.0747	0.103149
<i>Rpl36al</i>	chr12:69182730-69184083	15.2818	13.3634	-0.1935	0.189343
<i>Gm26799</i>	chr6:112696776-112704668	3.9052	4.7653	0.2872	0.037188
<i>Irf2bp2</i>	chr8:126588295-126593436	59.8247	56.8666	-0.0732	0.216106
<i>Acad11</i>	chr9:104040661-104127463	7.0712	6.3911	-0.1459	0.145799
<i>Slc25a25</i>	chr2:32414486-32451445	10.2282	9.5368	-0.1010	0.119626
<i>Ppm1l</i>	chr3:69316860-69560802	1.0690	0.9199	-0.2168	0.176539
<i>Usp5</i>	chr6:124815018-124829484	29.4093	27.7393	-0.0843	0.123664
<i>Gm22249</i>	chr5:38546457-38546593	33.4245	26.6164	-0.3286	0.152684
<i>Oas1a</i>	chr5:120896255-120907521	3.9514	6.7367	0.7697	0.169011
<i>Sbno1</i>	chr5:124368701-124425914	30.2087	32.5087	0.1059	0.052340
<i>Zfp646</i>	chr7:127876795-127885996	44.8495	42.2610	-0.0858	0.238924
<i>Thap11</i>	chr8:105855102-105856950	18.9227	17.3098	-0.1285	0.129603
<i>Dpagt1</i>	chr9:44326844-44333600	4.6943	5.5956	0.2534	0.092947
<i>Rpp21</i>	chr17:36255644-36258069	29.6062	26.4483	-0.1627	0.233984
<i>Gm26224</i>	chr1:161035393-161035473	120.6286	104.5886	-0.2058	0.109418
<i>Tomm40l</i>	chr1:171217801-171222514	11.3830	10.3716	-0.1342	0.211659
<i>Rabepk</i>	chr2:3477555-34799912	7.4550	6.8311	-0.1261	0.123682
<i>Slc28a2</i>	chr2:122426476-122461137	50.7198	47.5668	-0.0926	0.185536
<i>Slc35c2</i>	chr2:165276553-165287869	9.2532	8.4680	-0.1279	0.158919
<i>Cab39</i>	chr1:85793440-85851576	112.3857	105.6098	-0.0897	0.177045
<i>6030443J06Rik</i>	chr5:22550436-22807850	0.6539	0.5352	-0.2891	0.071915
<i>Mpdu1</i>	chr11:69656696-69662642	20.4997	18.7100	-0.1318	0.186778

<i>Pgls</i>	chr8:71592175-71601092	12.8121	11.5939	-0.1441	0.251103
<i>Bdh1</i>	chr16:31422279-31458901	15.4335	14.0093	-0.1397	0.239773
<i>Plekhn1</i>	chr4:156221455-156228542	7.9676	6.9181	-0.2038	0.249474
<i>Mttrn10</i>	chr7:64287652-64340407	2.8723	3.2711	0.1876	0.103505
<i>Lzts1</i>	chr8:69135502-69140953	4.8188	4.0955	-0.2346	0.142039
<i>Gm26694</i>	chr17:25794893-25964784	8.6927	7.7059	-0.1738	0.172548
<i>Sos1</i>	chr17:80393751-80480453	5.5412	6.3370	0.1936	0.225589
<i>Pfkl</i>	chr10:77986946-78010083	17.8266	16.4625	-0.1148	0.214644
<i>Acp6</i>	chr3:97158776-97176574	8.7760	8.1423	-0.1081	0.106046
<i>Mybbp1a</i>	chr11:72441354-72451768	24.6864	26.9952	0.1290	0.076293
<i>Ankmy2</i>	chr12:36157123-36197291	29.7357	27.3206	-0.1222	0.202037
<i>Irf4</i>	chr13:30749225-30766927	4.8305	6.0409	0.3226	0.316607
<i>Icos</i>	chr1:60977926-61000320	21.0164	28.5686	0.4429	0.211183
<i>Tnf</i>	chr17:35199380-35202007	23.3936	26.1994	0.1634	0.092614
<i>Snord22</i>	chr19:8725865-8725991	93.4557	119.6790	0.3568	0.316548
<i>Syne3</i>	chr12:104929948-105009809	3.9637	4.7404	0.2582	0.236592
<i>Tfdp1</i>	chr8:13339673-13377702	14.5348	13.1234	-0.1474	0.140532
<i>Phf11b</i>	chr14:59320963-59341335	29.6746	34.4225	0.2141	0.207245
<i>Rc3h1</i>	chr1:160906417-160974978	18.5382	21.0123	0.1807	0.221156
<i>Thns1</i>	chr2:21205723-21215009	2.3379	2.7323	0.2249	0.029058
<i>Gzf1</i>	chr2:148681022-148692949	7.2594	8.0813	0.1547	0.048431
<i>Trmt6</i>	chr2:132804206-132816055	9.9415	11.0781	0.1562	0.112907
<i>Coq2</i>	chr5:100654722-100675140	13.7560	12.3852	-0.1514	0.257250
<i>Mettl4</i>	chr17:94727079-94749892	17.3927	15.9100	-0.1285	0.138113
<i>Agl</i>	chr3:116739998-116808166	1.2225	1.4790	0.2748	0.243602
<i>Zmym4</i>	chr4:126861938-126968135	11.8758	13.0926	0.1407	0.124316
<i>Ahdc1</i>	chr4:133011259-133078110	2.6761	3.2490	0.2799	0.295682
<i>Med17</i>	chr9:15260351-15279867	19.3097	17.9619	-0.1044	0.146761
<i>Rreb1</i>	chr13:37778399-37952002	2.8129	3.3219	0.2400	0.269127
<i>Arhgap29</i>	chr3:121953228-122016677	3.5106	4.2705	0.2827	0.227920
<i>Slc9a1</i>	chr4:133369705-133423702	4.0168	4.7755	0.2496	0.255091
<i>Zfp770</i>	chr2:114193460-114201469	4.3182	4.8716	0.1740	0.100909
<i>Tbrg1</i>	chr9:37649181-37657312	40.6844	38.0727	-0.0957	0.169365
<i>Ddx60</i>	chr8:61928086-62037701	15.6804	18.7595	0.2587	0.302013
<i>D10Jhu81e</i>	chr10:78162066-78169768	34.6041	31.5840	-0.1317	0.209141
<i>Ctu1</i>	chr7:43672015-43678298	7.1127	6.3821	-0.1564	0.132216
<i>H2-Oa</i>	chr17:34092339-34095234	5.1861	6.2636	0.2723	0.103203
<i>Gm16365</i>	chr10:39558495-39613682	2.8478	3.6416	0.3547	0.096717
<i>Arrdc1</i>	chr2:24925351-24935252	39.1490	37.2188	-0.0729	0.054111
<i>B4galnt4</i>	chr7:141061273-141072119	1.8392	3.4101	0.8907	0.212973
<i>Serpinc6a</i>	chr13:33917917-34002794	6.0878	6.8299	0.1659	0.120364
<i>Gm16279</i>	chr17:35896945-35912215	2.9938	2.5657	-0.2227	0.142281
<i>Trim11</i>	chr11:58978062-58991458	31.2984	29.6756	-0.0768	0.133704
<i>Dnmt3a</i>	chr12:3806006-3914443	7.3267	8.0715	0.1397	0.106784
<i>Cacul1</i>	chr19:60524695-60581023	16.1823	15.0772	-0.1021	0.197141
<i>Sf3b2</i>	chr19:5273922-5295455	125.9400	120.4550	-0.0642	0.087168
<i>Kbtbd8</i>	chr6:95117239-95129718	6.8957	6.3625	-0.1161	0.092989
<i>Gpr174</i>	chrX:107255877-107296769	25.2186	27.7505	0.1380	0.105237
<i>Ndufa8</i>	chr2:36036325-36049406	42.1201	37.7542	-0.1579	0.236425
<i>Hnrnpab</i>	chr11:51600099-51606847	109.1140	103.3226	-0.0787	0.181618
<i>Gimap8</i>	chr6:48647233-48660875	240.3266	227.6081	-0.0784	0.206302
<i>Leng1</i>	chr7:3660097-3665840	15.2782	13.9368	-0.1326	0.161162
<i>Hsh2d</i>	chr8:72189667-72200995	20.4273	23.7014	0.2145	0.196749
<i>Slc25a12</i>	chr2:71271062-71367749	17.1543	16.1701	-0.0852	0.126116
<i>Arfgap1</i>	chr2:180967224-180982526	18.0900	16.9296	-0.0956	0.228092
<i>Zfp513</i>	chr5:31198980-31202303	14.3584	13.1494	-0.1269	0.205138
<i>Stub1</i>	chr17:25830635-25833361	55.8273	52.6841	-0.0836	0.121396
<i>Fli1</i>	chr9:32422207-32541389	74.3317	69.5034	-0.0969	0.194823
<i>Gm26841</i>	chr2:152694732-152696692	17.4366	15.7144	-0.1500	0.204013
<i>Vps37b</i>	chr5:124004640-124032260	59.2608	65.5428	0.1454	0.139374
<i>Irf7</i>	chr7:141262705-141266481	39.2808	51.5311	0.3916	0.169135
<i>Stx11</i>	chr10:12939982-12964259	3.9759	6.8683	0.7887	0.238979
<i>Nmb</i>	chr7:80902226-80905076	5.9336	7.3932	0.3173	0.099344
<i>Sec23b</i>	chr2:144556228-144590749	14.0524	13.2077	-0.0894	0.109332
<i>Hnrnpd</i>	chr5:99958425-99978938	14.6130	16.4761	0.1731	0.215167
<i>Ubqln2</i>	chrX:153498231-153501537	3.9181	4.5986	0.2310	0.126443
<i>Usp7</i>	chr16:8689594-8792308	69.8910	66.5317	-0.0711	0.188075
<i>Trmt10c</i>	chr16:56032608-56037819	30.6242	28.3622	-0.1107	0.187073
<i>Rad9b</i>	chr5:122323222-122354233	14.5090	13.4744	-0.1067	0.106262
<i>Gapdh</i>	chr6:125161714-125166467	5.8430	6.6671	0.1903	0.133642
<i>Lpp</i>	chr16:24393349-24992576	4.4511	5.1033	0.1973	0.260794

<i>Kdelc1</i>	chr1:44091462-44118808	2.6237	3.1305	0.2548	0.149934
<i>Ormdl1</i>	chr1:53297094-53310309	8.3013	7.4486	-0.1564	0.247286
<i>Ciao1</i>	chr2:127240937-127247816	21.0606	19.7383	-0.0935	0.133888
<i>Mllt3</i>	chr4:87769924-88033364	18.4759	20.1505	0.1252	0.065158
<i>Faah</i>	chr4:115967144-116017926	20.5764	22.7608	0.1456	0.173345
<i>Ep400</i>	chr5:110664372-110770717	15.9875	18.2740	0.1928	0.280744
<i>Kmt2e</i>	chr5:23434440-23504235	25.4858	28.1055	0.1412	0.180907
<i>Clptm1</i>	chr7:19631580-19665030	24.1820	22.8735	-0.0803	0.167801
<i>Odc1</i>	chr12:17544872-17551502	8.4631	10.0733	0.2513	0.253223
<i>Ifi2712a</i>	chr12:103442166-103443680	338.1371	447.0548	0.4028	0.180783
<i>Nkd2</i>	chr13:73818533-73847631	1.4596	1.8884	0.3716	0.258712
<i>Ggcx</i>	chr6:72414307-72430712	6.4630	5.7809	-0.1609	0.211560
<i>Brpf1</i>	chr6:113307180-113324857	16.5451	15.5829	-0.0864	0.219021
<i>Mctp2</i>	chr7:72077831-72306595	15.4858	14.2437	-0.1206	0.261252
<i>Rps3</i>	chr7:99477895-99483738	481.1283	430.6103	-0.1600	0.296395
<i>Pik3r4</i>	chr9:105642994-105687655	11.8331	13.0141	0.1373	0.069398
<i>Suv39h1</i>	chrX:8061170-8074760	8.2451	7.7133	-0.0962	0.030373
<i>Nr1d2</i>	chr14:18204053-18239127	8.2657	9.3515	0.1781	0.156914
<i>Nfkbil1</i>	chr17:35220174-35235792	8.8487	7.7561	-0.1901	0.224878
<i>Heg1</i>	chr16:33684465-33771576	5.6791	6.4803	0.1904	0.252311
<i>NA</i>	chr1:91928784-91931176	7.1873	8.3241	0.2118	0.165670
<i>Dap</i>	chr15:31224384-31274338	11.0100	13.4028	0.2837	0.242218
<i>Cdc34</i>	chr10:79682194-79688394	33.9592	31.1940	-0.1225	0.205700
<i>Abcd4</i>	chr12:84602530-84617466	5.4730	6.4644	0.2402	0.174347
<i>Polr3g</i>	chr13:81673842-81711013	6.7003	6.0868	-0.1385	0.152490
<i>Oas1b</i>	chr5:120812634-120824163	17.1271	19.9401	0.2194	0.220251
<i>Eif2ak3</i>	chr6:70844514-70905245	12.2207	11.3984	-0.1005	0.153499
<i>Cd27</i>	chr6:125232621-125237010	131.1131	125.3686	-0.0646	0.144846
<i>Gm21982</i>	chr7:30641000-30664937	25.6522	23.9474	-0.0992	0.214079
<i>Il18bp</i>	chr7:102015078-102018155	9.2815	11.3156	0.2859	0.283017
<i>Stt3b</i>	chr9:115242606-115310421	62.4175	58.9330	-0.0829	0.227059
<i>Asb8</i>	chr15:98134636-98165625	10.1669	11.3481	0.1586	0.028806
<i>Gm17233</i>	chr14:73173819-73187321	10.7558	9.1023	-0.2408	0.152929
<i>Cdc45</i>	chr16:18780446-18811987	1.8805	2.3467	0.3195	0.108418
<i>Atp6v1a</i>	chr16:44085401-44139705	10.5724	9.6517	-0.1315	0.226921
<i>Cggbp1</i>	chr16:64851995-64859507	51.4796	48.2505	-0.0935	0.220427
<i>Taf5</i>	chr19:47067747-47083479	12.6721	11.8270	-0.0996	0.038542
<i>Mfsd4</i>	chr1:132022805-132068062	17.5423	19.5476	0.1562	0.173193
<i>2610002M06Rik</i>	chrX:107782750-107816334	7.6056	7.1034	-0.0985	0.051096
<i>Tars</i>	chr15:11383662-11399658	46.1451	43.6884	-0.0789	0.099738
<i>Zfp664</i>	chr5:124862690-124902693	8.6081	9.7917	0.1859	0.195880
<i>Smg6</i>	chr11:74925822-75164448	13.0990	14.4051	0.1371	0.149217
<i>Mrpl36</i>	chr13:73331008-73332175	28.6061	24.9946	-0.1947	0.248147
<i>Dda1</i>	chr8:71469198-71476098	21.4846	19.9102	-0.1098	0.235026
<i>Psd</i>	chr19:46312086-46327156	1.2554	1.5351	0.2902	0.046456
<i>Sfmbt2</i>	chr2:10370509-10595253	4.1587	3.7757	-0.1394	0.271545
<i>Pde4dip</i>	chr3:97689823-97888707	5.8199	5.4188	-0.1030	0.198640
<i>Nptn</i>	chr9:58582239-58657955	15.3728	16.7773	0.1261	0.080761
<i>Arhgap9</i>	chr10:127323726-127329943	133.5581	126.7624	-0.0753	0.172229
<i>Mrpl22</i>	chr11:58171660-58179565	11.3719	9.8885	-0.2016	0.138520
<i>Nsmce1</i>	chr7:125467639-125491596	38.3340	33.5107	-0.1940	0.310425
<i>Slx1b</i>	chr7:126689467-126695784	6.8281	6.1951	-0.1404	0.149791
<i>Gm23935</i>	chr16:11144124-11144181	931.7258	1505.8103	0.6926	0.176794
<i>Dock8</i>	chr19:24999528-25202432	68.6870	75.6384	0.1391	0.181954
<i>Abcf3</i>	chr16:20548576-20561379	29.5952	27.7922	-0.0907	0.142877
<i>Chaf1b</i>	chr16:93883900-93906115	5.3208	4.8337	-0.1385	0.175036
<i>Ttc4</i>	chr4:106662255-106678944	21.0808	19.8031	-0.0902	0.113596
<i>H2-T24</i>	chr17:36005694-36020560	69.6985	81.3167	0.2224	0.285313
<i>Mst1</i>	chr9:108080435-108085027	4.0907	4.8244	0.2380	0.095159
<i>Ylpm1</i>	chr12:84996320-85070515	5.4432	6.4239	0.2390	0.325308
<i>Arpc4</i>	chr6:113378112-113390448	76.0542	70.2786	-0.1139	0.230954
<i>Vps33b</i>	chr7:80269648-80291579	16.2969	15.2142	-0.0992	0.111413
<i>Spryd3</i>	chr15:102116527-102136234	14.4267	13.3778	-0.1089	0.157668
<i>Blzf1</i>	chr1:164289799-164307489	4.3755	4.9459	0.1768	0.085540
<i>Cenpb</i>	chr2:131177290-131180012	29.1408	26.1863	-0.1542	0.316395
<i>Pxn</i>	chr5:115506675-115555987	9.9857	9.4411	-0.0809	0.115160
<i>Ccdc142</i>	chr6:83101616-83109939	12.2941	11.3601	-0.1140	0.165691
<i>Oaz1-ps</i>	chr17:17345455-17346140	11.1516	9.4484	-0.2391	0.165449
<i>Cd46</i>	chr1:195041284-195092248	3.1440	2.7317	-0.2028	0.143769
<i>Srsf12</i>	chr4:33208990-33233340	2.1258	1.7944	-0.2445	0.077401
<i>Rtfdc1</i>	chr2:172440555-172469908	38.4882	36.4304	-0.0793	0.106916

NA	chr6:136608858-136610870	12.9077	15.0523	0.2218	0.265017
Ly6e	chr15:74955050-74959905	141.6215	158.4019	0.1615	0.220134
Tmem63a	chr1:180942343-180975112	17.5025	16.4738	-0.0874	0.197571
Gpsm2	chr3:108678637-108722187	9.1601	8.3767	-0.1290	0.141386
Tmem245	chr4:56866922-56947437	5.2857	5.9644	0.1743	0.235014
Gm13012	chr4:137882369-137883937	8.4564	10.1394	0.2619	0.090135
Gm15522	chr5:34650717-34652477	6.6680	8.0876	0.2785	0.028739
Trex1	chr9:109057932-109060338	33.4604	37.4944	0.1642	0.149111
D730003115Rik	chr1:191224473-191225686	11.9920	9.6773	-0.3094	0.273635
Sqle	chr15:59315076-59331192	7.2638	6.3247	-0.1997	0.320242
Ccdc53	chr10:88201092-88246158	13.3448	11.9245	-0.1624	0.282481
E130012A19Rik	chr11:97627392-97629716	2.1747	1.7942	-0.2775	0.106383
Plekhg2	chr7:28359603-28372599	17.6489	20.1759	0.1931	0.259484
Cep152	chr2:125563087-125625113	10.3342	9.5145	-0.1192	0.230128
R74862	chr7:143021783-143053686	1.9655	2.3234	0.2414	0.031615
Rpl23a	chr11:78180931-78183584	8.8998	7.5272	-0.2417	0.139213
Chst12	chr5:140505549-140525724	6.5957	5.7193	-0.2057	0.289320
Timm10	chr2:84826996-84830213	12.6828	11.1393	-0.1872	0.082541
Lrch1	chr14:74754673-74947877	17.8390	19.2317	0.1085	0.002841
Mrfap1	chr5:36794866-36796772	30.7072	28.5068	-0.1073	0.140065
Trav15-1-dv6-1	chr14:53559675-53560247	13.8569	11.6046	-0.2559	0.000976
Ifit3	chr19:34583530-34588731	15.4911	26.5512	0.7773	0.174397
Fam73b	chr2:30364232-30385521	3.2470	2.9084	-0.1589	0.201250
Iffo2	chr4:139530547-139620382	7.6094	7.1006	-0.0998	0.129183
Spsb3	chr17:24886642-24892152	25.1745	23.4073	-0.1050	0.251734
Gm20721	chr2:174330318-174346712	145.7977	160.2322	0.1362	0.129383
Iscu	chr5:113772747-113778288	9.2875	7.9966	-0.2159	0.248617
Cstf2	chrX:134059186-134086819	13.0805	12.4104	-0.0759	0.090136
Sumo2	chr11:115523101-115536276	3.9279	4.6580	0.2459	0.031832
Ptxnd1	chr6:115954810-115995005	1.2470	1.4899	0.2568	0.123535
Rbm42	chr7:30640993-30650317	36.8310	34.2724	-0.1039	0.230324
Mthfsd	chr8:121095011-121108392	8.4466	7.7828	-0.1181	0.199961
Pdcd4	chr19:53892230-53929861	139.9833	157.1134	0.1666	0.191689
Trp53bp1	chr2:121193280-121271407	9.3954	10.1176	0.1068	0.041217
Eva1b	chr4:126147743-126149875	11.3565	10.3223	-0.1378	0.140042
Rfesd	chr13:76001534-76018712	6.7329	7.9216	0.2346	0.204960
Chmp2a	chr7:13032005-13034777	120.6139	109.6517	-0.1375	0.273102
Col11a2	chr17:34039436-34066685	5.4948	4.6594	-0.2379	0.358701
Asna1	chr8:85017933-85025278	36.8215	33.3795	-0.1416	0.244186
Dctd	chr8:48099091-48153233	1.5158	1.2551	-0.2723	0.124252
Ostm1	chr10:42583821-42702459	14.3383	13.5139	-0.0854	0.155459
Anxa2	chr9:69453619-69491795	7.6469	10.7043	0.4852	0.233301
Cep350	chr1:155844965-155972890	22.8715	25.2601	0.1433	0.192430
NA	chr1:167223826-167223919	55.5139	46.2579	-0.2632	0.101212
Lig3	chr11:82781107-82804274	14.2687	13.5169	-0.0781	0.148361
Rev3l	chr10:39732117-39875211	17.5012	19.1242	0.1279	0.124650
Fanca	chr8:123268299-123318576	2.0304	1.8132	-0.1633	0.175268
Ncaph	chr2:127103808-127133954	1.8195	2.2928	0.3335	0.266624
Tardbp	chr4:148612381-148627019	40.2222	43.6259	0.1172	0.079573
Gm16033	chr11:46143782-46147116	7.2371	9.3792	0.3741	0.221648
Gm11583	chr11:97160989-97161675	48.6901	43.2724	-0.1702	0.244954
Dnajc27	chr12:4082573-4110612	5.9237	5.4551	-0.1189	0.118736
Grhl1	chr12:24572286-24617391	0.9453	1.4482	0.6154	0.362070
Psen1	chr12:83688202-83735199	26.1190	28.5055	0.1261	0.081741
Tapt1	chr5:44175163-44226606	53.4245	50.6568	-0.0767	0.200616
Ccr2	chr9:124101949-124113557	2.1624	3.9277	0.8611	0.216057
Nupl1	chr14:60219203-60251507	36.0050	34.0542	-0.0804	0.104210
E230001N04Rik	chr17:28523256-28525347	9.6566	8.7746	-0.1382	0.076537
Nek7	chr1:138484713-138619696	38.5422	42.7243	0.1486	0.187895
1700034H15Rik	chr1:191890232-191907527	0.9219	0.7099	-0.3769	0.282868
Cc2d1b	chr4:108619939-108634123	37.9333	36.3643	-0.0609	0.065152
B230219D22Rik	chr13:55693123-55703499	39.8583	38.0969	-0.0652	0.074239
Palm3	chr8:84021470-84030295	11.5994	13.4267	0.2111	0.252266
Nyap1	chr5:137730882-137741607	1.5864	1.3081	-0.2783	0.266239
Lime1	chr2:181380077-181383628	114.1348	106.5400	-0.0993	0.256052
Poll	chr19:45552274-45560531	7.8066	7.0505	-0.1470	0.116975
Neu3	chr7:99811438-99828417	4.3299	5.1626	0.2538	0.241487
Traj37	chr14:54181517-54181577	108.9905	131.2607	0.2682	0.115945
Pxylp1	chr9:96823343-96892669	6.7266	6.0395	-0.1555	0.235517
Etfb	chr7:43444107-43457800	10.8798	13.0208	0.2592	0.214669
Rbm41	chrX:139889510-139998595	5.4803	6.1395	0.1639	0.121057

Sp3	chr2:72936426-72980446	112.1606	105.0326	-0.0947	0.239101
Gm26765	chr10:91149514-91150594	30.7482	27.9807	-0.1361	0.097708
Sclt1	chr3:41626716-41742514	2.3587	2.6746	0.1814	0.065468
Slx4ip	chr2:136891217-137071950	2.5190	2.8594	0.1829	0.033495
Amer1	chrX:95420317-95444872	5.5018	6.0596	0.1393	0.061778
Cr1l	chr1:195103788-195131570	50.4385	47.7351	-0.0795	0.106245
Fam222b	chr11:78094659-78156700	3.3524	4.0748	0.2815	0.242583
Gm16565	chr1:165781074-165789367	16.3099	18.5397	0.1849	0.216770
Apip	chr2:103073674-103092644	7.3112	6.2063	-0.2364	0.122162
Pcnt	chr10:76351253-76442912	26.4737	24.7982	-0.0943	0.290074
Scap	chr9:110333287-110384946	22.0709	20.4517	-0.1099	0.309706
Klk8	chr7:43797576-43803822	12.3083	15.5778	0.3399	0.304795
Gm20470	chr10:7743519-7761099	48.4731	43.2209	-0.1655	0.121030
Fam98c	chr7:29152510-29156234	16.1334	15.0214	-0.1030	0.161366
Cxcr3	chrX:101731534-101734269	12.7515	22.2291	0.8018	0.235575
Tmem2	chr19:21778341-21858327	1.6140	2.5382	0.6532	0.247533
Trio	chr15:27730651-28025848	7.4863	8.2327	0.1371	0.148087
Dhcr24	chr4:106561037-106589113	7.7803	6.9591	-0.1609	0.287139
Nampt	chr12:32820334-32853369	16.5883	18.4667	0.1548	0.178154
Bms1	chr6:118383382-118419417	39.2171	37.5511	-0.0626	0.051508
Frm4a	chr2:4017716-4614043	0.1691	0.2145	0.3437	0.148500
Lgals9	chr11:78962973-78984946	23.4903	26.3603	0.1663	0.144186
Gm20069	chr12:102612679-102618516	17.5143	15.0631	-0.2175	0.168057
Inf2	chr12:112588783-112615556	3.2183	3.8710	0.2664	0.253544
Erb2ip	chr13:103818786-103920514	81.5980	88.2492	0.1130	0.076549
Tecpr1	chr5:144194441-144223615	59.3058	56.0189	-0.0823	0.269222
Msmo1	chr8:64718138-64733792	10.0311	8.9353	-0.1669	0.306392
BC065403	chr9:72361734-72409943	13.1222	14.9811	0.1911	0.031987
Topbp1	chr9:103305214-103350432	36.9599	35.0359	-0.0771	0.240920
Epm2aip1	chr9:111271844-111279089	22.7739	20.9742	-0.1188	0.283739
Apobec2	chr17:48419230-48432728	3.3182	4.3274	0.3831	0.277496
Gtf2f1	chr17:57003404-57011288	49.6309	46.4685	-0.0950	0.196880
Arl2	chr19:6134373-6141406	6.6267	5.9655	-0.1517	0.146109
Hspd1	chr1:55077834-55088243	22.7505	20.5848	-0.1443	0.259890
Dnajb2	chr1:75236464-75244804	8.8506	7.6991	-0.2011	0.208850
Gm25395	chr1:87776937-87777209	530.0796	465.7672	-0.1866	0.336369
Gm10521	chr1:171895663-171898237	4.6563	5.4875	0.2370	0.128421
Rbm43	chr2:51924447-51935163	19.7702	18.4031	-0.1034	0.169780
Rps21	chr2:180257376-180258445	172.3788	149.4508	-0.2059	0.330764
Smad1	chr8:79338394-79399518	5.6784	5.1724	-0.1346	0.247521
Adams10	chr17:33524203-33553782	38.7208	35.8641	-0.1106	0.307056
Btbd11	chr10:85386813-85660292	2.1784	2.5395	0.2213	0.218583
Gm10390	chr5:120121102-120139263	2.9182	2.6627	-0.1322	0.188434
Sesn3	chr9:14276300-14326138	52.3612	58.2339	0.1534	0.206023
Zbtb33	chrX:38189792-38197046	4.5413	5.0607	0.1563	0.024232
Alkbh7	chr17:56997338-56999322	9.9319	8.7562	-0.1818	0.047458
Gpatch11	chr17:78835515-78848299	10.9037	10.0807	-0.1132	0.159569
Mettl18	chr1:163994888-163997243	9.0180	10.6289	0.2371	0.210494
Rpusd2	chr2:119034789-119039769	4.0820	3.5940	-0.1837	0.139702
Trnau1ap	chr4:132311762-132329538	12.9538	11.9845	-0.1122	0.106971
9930012K11Rik	chr14:70154404-70159502	5.3481	4.7212	-0.1799	0.176979
Mycbp	chr4:123904831-123912269	7.5726	6.8473	-0.1453	0.144919
Cnot7	chr8:40492539-40515847	17.2252	16.4107	-0.0699	0.054942
Cd96	chr16:46035656-46120251	107.6100	101.6827	-0.0817	0.217390
Shmt2	chr10:127517122-127522444	27.7716	25.5222	-0.1219	0.279245
Tor1b	chr2:30952958-30959015	24.6587	23.3122	-0.0810	0.201019
Arl15	chr13:113794504-114157461	4.1470	4.8544	0.2272	0.142910
Sel1l	chr12:91806042-91849157	14.4851	15.9134	0.1357	0.166109
Mat2a	chr6:72432798-72439558	72.7058	66.5334	-0.1280	0.332268
Gm9888	chr9:114780099-114782257	5.9471	5.0208	-0.2443	0.086487
Gm18828	chr1:36764862-36765874	4.0884	5.2248	0.3538	0.207029
Impa1	chr3:10313539-10331439	19.7938	18.1661	-0.1238	0.248614
1190007107Rik	chr10:82619850-82623196	7.1048	5.8583	-0.2783	0.164242
Mon1a	chr9:107888128-107903125	12.3768	11.3329	-0.1271	0.189773
Ppia	chr11:64154442-6419817	16.3042	18.0269	0.1449	0.105945
Rcor3	chr1:192098655-192138010	5.5776	6.2670	0.1681	0.069344
Erp27	chr6:136907310-136922180	1.4322	1.7977	0.3279	0.153777
Ptges3	chr10:128058953-128077272	10.5742	12.0670	0.1905	0.146816
Gm12316	chr11:70611211-70613211	11.1890	14.1765	0.3414	0.184253
Adi1	chr12:28675230-28682175	7.3510	8.5781	0.2227	0.130984
Trbj1-3	chr6:41534322-41534376	212.0604	243.0400	0.1967	0.026067

<i>Selk</i>	chr14:29968307-29975074	14.5736	17.0145	0.2234	0.220770
<i>Rpsud1</i>	chr17:25727750-25731456	3.6231	3.0311	-0.2574	0.169081
<i>O610009E02Rik</i>	chr2:26445695-26459390	7.6425	9.4836	0.3114	0.315717
<i>Mrqbp</i>	chr2:180581303-180586304	24.3944	22.9692	-0.0868	0.192849
<i>Strip1</i>	chr3:107612531-107631710	28.5056	26.9786	-0.0794	0.201195
<i>Gpr97</i>	chr8:95017691-95045247	2.6185	2.2336	-0.2294	0.085346
<i>Gpr137b-ps</i>	chr13:12619083-12650297	1.7290	2.0992	0.2799	0.079821
<i>Akr1b3</i>	chr6:34303933-34317497	6.8776	7.6414	0.1519	0.030909
<i>Parp11</i>	chr6:127446839-127494241	21.8510	20.4278	-0.0972	0.246782
<i>Rgs2</i>	chr1:143999337-144004161	9.5450	11.0920	0.2167	0.252832
<i>Abl2</i>	chr1:156558785-156649568	9.8256	10.8684	0.1455	0.193266
<i>Mrp11</i>	chr19:4962305-4966995	9.0099	8.0487	-0.1628	0.260920
<i>Gm13008</i>	chr4:136003565-136010937	17.8045	20.9161	0.2324	0.111000
<i>Slmap</i>	chr14:26413167-26534931	10.4302	11.7424	0.1710	0.248063
<i>Glipr1</i>	chr10:111985447-112002631	54.5618	49.4222	-0.1427	0.274501
<i>NA</i>	chr12:87442682-87444017	11.7770	10.4315	-0.1750	0.228120
<i>Tpst2</i>	chr5:112276690-112315361	30.3970	28.6327	-0.0863	0.210516
<i>Ccdc51</i>	chr9:109082495-109093363	5.3443	4.6949	-0.1869	0.187817
<i>Zc3h6</i>	chr2:128967401-129018563	9.9902	11.5248	0.2062	0.241521
<i>Sf3b3</i>	chr8:110810491-110846803	71.4173	68.5907	-0.0583	0.119720
<i>Tcof1</i>	chr18:60813754-60848971	27.7537	31.4698	0.1813	0.257259
<i>Acvr1b</i>	chr15:101174103-101213678	19.8151	18.5351	-0.0963	0.237197
<i>Slc37a1</i>	chr17:31295482-31350696	18.7923	17.3754	-0.1131	0.301806
<i>Abhd1</i>	chr5:30950065-30955091	11.7538	13.2179	0.1694	0.078536
<i>Pear1</i>	chr3:87747889-87824306	2.0916	3.0005	0.5206	0.225506
<i>Dtx3l</i>	chr16:35926510-35939151	45.6250	50.5531	0.1480	0.201906
<i>Pik3ip1</i>	chr11:3330400-3342971	54.7483	52.0060	-0.0741	0.217675
<i>Unc50</i>	chr1:37430169-37439124	27.4516	25.0395	-0.1327	0.237544
<i>Rfwd3</i>	chr8:111270943-111300222	8.5526	7.9105	-0.1126	0.212918
<i>R3hcc1l</i>	chr19:42518758-42592343	7.8248	8.5449	0.1270	0.047730
<i>Strn4</i>	chr7:16815888-16840931	15.8311	15.0666	-0.0714	0.174556
<i>Sumo3</i>	chr10:77606096-77641543	20.5602	18.9146	-0.1204	0.251876
<i>Ldha</i>	chr7:46841474-46855627	100.7369	93.9589	-0.1005	0.248492
<i>C2cd3</i>	chr7:100372232-100470159	11.3945	12.6847	0.1547	0.226815
<i>Ppp2r3a</i>	chr9:101104991-101251832	2.3023	2.6347	0.1945	0.120491
<i>Mical3</i>	chr6:120931706-121003153	1.0258	1.2260	0.2572	0.117453
<i>Manea</i>	chr4:26324505-26346891	6.8516	7.5835	0.1464	0.071286
<i>Os9</i>	chr10:127094258-127121160	62.5641	59.2483	-0.0786	0.286840
<i>4931413K12Rik</i>	chr11:75589664-75594771	3.4911	4.5416	0.3795	0.276799
<i>Tmem199</i>	chr11:78507054-78512172	14.7574	13.4546	-0.1333	0.210051
<i>Rsad2</i>	chr12:26442752-26456452	3.1505	5.2704	0.7423	0.176326
<i>4833420G17Rik</i>	chr13:119462758-119486117	59.4278	56.2703	-0.0788	0.203252
<i>Nub1</i>	chr5:24685814-24710555	56.3121	53.7158	-0.0681	0.153639
<i>Xpc</i>	chr6:91489304-91515884	15.7700	15.0334	-0.0690	0.050081
<i>Cish</i>	chr9:107296025-107302784	3.7182	4.3746	0.2345	0.221766
<i>Cchcr1</i>	chr17:35517099-35531015	0.9583	1.2282	0.3579	0.231557
<i>Stx3</i>	chr19:11775118-11819403	1.3113	1.5606	0.2511	0.034901
<i>Marc2</i>	chr1:184813067-184846451	15.7099	14.6996	-0.0959	0.207997
<i>Surf4</i>	chr2:26920039-26933928	58.4359	55.8932	-0.0642	0.102002
<i>Myo1c</i>	chr11:75650503-75673910	3.2161	3.9027	0.2792	0.315858
<i>Ipo8</i>	chr6:148770682-148831467	13.9491	13.1308	-0.0872	0.237586
<i>Kif4</i>	chrX:100625736-100727214	0.8503	1.2207	0.5216	0.364626
<i>Tmem9</i>	chr1:136008218-136035030	7.2088	6.3023	-0.1939	0.236995
<i>Gm9968</i>	chr16:43345886-43363666	1.7997	2.2433	0.3178	0.203596
<i>Efr3a</i>	chr15:65787033-65873816	29.8188	28.1898	-0.0811	0.206006
<i>Zmym5</i>	chr14:56790584-56811716	12.6542	13.8614	0.1315	0.110923
<i>Idc</i>	chr19:37268742-37337852	13.8302	15.1091	0.1276	0.113150
<i>Gimap4</i>	chr6:48684548-48692060	935.3718	866.9969	-0.1095	0.286014
<i>Ifrd2</i>	chr9:107587717-107593038	14.3272	13.1386	-0.1249	0.171801
<i>Airn</i>	chr17:12741310-12860122	1.8964	2.3786	0.3269	0.217627
<i>Cyb5b</i>	chr8:107150660-10718470	30.3599	28.5036	-0.0910	0.206140
<i>Gm15564</i>	chr16:35966751-35983230	5.4580	7.3742	0.4341	0.377938
<i>Wdr5</i>	chr2:27515156-27536535	18.0744	17.1138	-0.0788	0.028101
<i>Gna12</i>	chr5:140758407-140830431	7.4929	8.5384	0.1884	0.205594
<i>Nmnat1</i>	chr4:149467571-149485202	2.1668	1.7964	-0.2705	0.245217
<i>Rgp1</i>	chr4:43578714-43587487	9.7298	10.8022	0.1508	0.173810
<i>Gss</i>	chr2:155563180-155592810	2.4606	2.2158	-0.1511	0.094787
<i>Lsm12</i>	chr11:102162496-102185296	12.8505	11.5989	-0.1478	0.231509
<i>Gm22988</i>	chr11:69669634-69669778	25.5100	33.8670	0.4088	0.309529
<i>Ost4</i>	chr5:30905884-30907788	35.5500	31.4543	-0.1766	0.316331
<i>Ipo5</i>	chr14:120911193-120948042	27.8785	26.7531	-0.0594	0.012004

Zfp763	chr17:33016862-33033402	6.4039	7.1184	0.1526	0.021039
Myo1f	chr17:33555718-33607764	5.9766	10.0764	0.7536	0.232723
Suco	chr1:161816111-161876661	29.2974	32.1178	0.1326	0.164665
Arhgap15	chr2:43748823-44395953	51.1285	54.6128	0.0951	0.037610
Rars2	chr4:34614956-34660167	12.6267	11.5487	-0.1287	0.252620
Gm26816	chr8:110863228-110940314	5.3788	6.1588	0.1954	0.083372
Phldb1	chr9:44686303-44735198	0.7444	0.9674	0.3781	0.212800
Ncoa1	chr12:4247362-4477182	10.7157	11.8907	0.1501	0.188701
Kdm8	chr7:125444675-125462265	4.2313	3.6711	-0.2049	0.184535
2610524H06Rik	chr5:114821934-114823468	9.2677	11.3396	0.2911	0.271959
Tnfsf11	chr14:78277444-78308043	4.7785	6.2087	0.3777	0.358637
Gm24616	chr16:23111616-23111755	72.1264	86.1042	0.2556	0.212069
Rbm27	chr18:42275352-42341542	17.2623	18.8458	0.1266	0.093843
Ddx54	chr5:120613129-120628590	43.4408	41.2949	-0.0731	0.219005
Mvb12a	chr8:71542929-71548024	27.8506	25.3317	-0.1368	0.228481
D8Erd738e	chr8:84246236-84249761	98.3894	90.2028	-0.1253	0.247856
Heatr3	chr8:88137854-88172027	12.5270	11.8060	-0.0855	0.080257
Lactb	chr9:66955392-66975484	12.8215	11.6267	-0.1411	0.188618
Gm16576	chr15:79742697-79757394	1.0620	1.2908	0.2815	0.104125
Fam160b2	chr14:70583295-70599835	5.1309	5.9278	0.2083	0.210540
Glo1	chr17:30592865-30612659	14.3731	13.1891	-0.1240	0.145569
Ddb2	chr2:91211571-91236982	56.0202	53.1629	-0.0755	0.181692
Notch2	chr3:98013537-98150367	11.6369	13.2781	0.1903	0.312833
mt-Tc	chrM:5191-5257	416.2916	509.6927	0.2920	0.309842
Mib2	chr4:155654676-155669198	13.7380	12.6975	-0.1136	0.279750
Zfp128	chr7:12881176-12893422	2.2611	2.7141	0.2634	0.183196
Kdm6b	chr11:69398507-69413675	3.0901	3.6620	0.2449	0.274574
4933426M11Rik	chr12:80790531-80880832	33.4695	31.1296	-0.1046	0.338130
Klhl7	chr5:24100589-24161223	4.9385	5.5915	0.1791	0.077060
Sidt2	chr9:45937856-45955247	62.5372	59.4592	-0.0728	0.290019
Csrnp1	chr9:119971165-119977250	17.1636	16.0280	-0.0988	0.226831
Eif3d	chr15:77958997-77970824	103.2592	96.9764	-0.0906	0.231595
Rnf219	chr14:104477533-104522666	6.4020	7.1535	0.1601	0.055516
Trmt61b	chr17:71557026-71598755	2.5145	2.1615	-0.2183	0.112943
Rae1	chr2:173000116-173015739	33.5993	31.5221	-0.0921	0.191608
Nol6	chr4:41114426-41124455	12.9108	11.9414	-0.1126	0.295393
Sde2	chr1:180851150-180868097	17.2476	16.2559	-0.0854	0.075323
Arap2	chr5:62602444-62766198	27.2745	29.4297	0.1097	0.077429
Cux1	chr5:136248134-136567490	6.8750	7.4344	0.1129	0.031704
Ap3m2	chr8:22787353-22805654	12.4239	11.5514	-0.1051	0.182458
Asah1	chr8:41340196-41374773	12.5439	11.4961	-0.1258	0.247383
March2	chr17:33685691-33718670	14.6391	13.7488	-0.0905	0.174586
Rbck1	chr2:152316333-152332653	43.4615	41.1163	-0.0800	0.271035
Spdl1	chr11:34809189-34833641	1.0364	1.3013	0.3285	0.156681
Gm15787	chr5:110154399-110176504	8.0449	7.3832	-0.1238	0.171952
Man2a2	chr7:80349097-80371375	28.7234	26.9240	-0.0933	0.295031
Dync1li1	chr9:114688789-114724302	36.5186	34.5671	-0.0792	0.142292
Ptxna3	chrX:74329065-74344689	0.7384	0.8867	0.2640	0.071042
Cnih1	chr14:46775581-46788411	16.6489	18.9495	0.1867	0.181757
Desi2	chr1:178187416-178252598	17.3098	16.0743	-0.1068	0.263429
Pkp4	chr2:59160849-59355208	5.9332	6.5994	0.1535	0.120643
Otud7b	chr3:96104526-96161129	6.6314	7.4347	0.1649	0.207880
Cabin1	chr10:75646109-75764357	18.2523	20.5479	0.1709	0.280187
Wibg	chr10:128747878-128766568	73.6106	68.1869	-0.1104	0.284296
Cct4	chr11:22990518-23003780	68.5374	63.5914	-0.1081	0.277750
Cenpa	chr5:30666776-30674827	7.3802	8.4723	0.1991	0.194435
Rfc2	chr5:134582689-134598328	30.1254	27.7657	-0.1177	0.226215
Ube4a	chr9:44923130-44965600	14.2648	15.6861	0.1370	0.150287
Rpl30	chr15:34440504-34443640	42.5093	48.1725	0.1804	0.259504
Il2rb	chr15:78480552-78495066	27.2925	40.6983	0.5765	0.230845
Rpp14	chr14:8090077-8090554	26.3216	22.9414	-0.1983	0.225870
Decr2	chr17:26081210-26090329	7.9748	7.1906	-0.1493	0.143199
Lrch3	chr16:32914099-33015647	27.5434	29.6286	0.1053	0.034930
N6amt1	chr16:87354184-87368742	3.5783	4.1002	0.1964	0.180721
Plcb3	chr19:6953713-6969759	2.9623	3.4262	0.2099	0.134992
Fen1	chr19:10199131-10204169	12.7301	11.6307	-0.1303	0.206804
Rsrc1	chr3:66981389-67358396	2.9281	3.2683	0.1586	0.151621
Smg5	chr3:88336259-88362337	44.0013	42.0630	-0.0650	0.171071
Sf3b4	chr3:96172331-96177564	2.7658	3.3331	0.2692	0.100738
Inpp5b	chr4:124741849-124801511	36.6443	34.6389	-0.0812	0.205652
Unc5cl	chr17:48454900-48539714	5.3175	6.3326	0.2521	0.242887

<i>Creld1</i>	chr6:113483296-113493338	1.5196	1.2823	-0.2449	0.143617
<i>Tbl2</i>	chr5:135149656-135163873	5.6882	5.1809	-0.1348	0.305738
<i>Glt8d2</i>	chr10:82650432-82690650	1.0425	1.2457	-0.2569	0.068890
<i>Dcaf5</i>	chr12:80335846-80436601	27.2323	25.9394	-0.0702	0.243861
<i>Hist1h4f</i>	chr13:23551257-23551648	15.9037	24.4665	0.6214	0.261002
<i>Ugdh</i>	chr5:65413201-65435946	4.3843	4.8300	0.1397	0.019270
<i>Rbm19</i>	chr5:120116509-120197979	16.9259	15.9259	-0.0879	0.133749
<i>Slc44a2</i>	chr9:21337827-21355025	150.9585	144.0369	-0.0677	0.275831
<i>Gstp1</i>	chr19:4035410-4037912	12.2887	14.4764	0.2364	0.146574
<i>AW112010</i>	chr19:11047612-11050566	109.2728	142.5681	0.3837	0.244149
<i>Hspe1</i>	chr1:55088131-55091307	17.4522	15.0747	-0.2113	0.298417
<i>Soat1</i>	chr1:156428107-156474328	17.6493	16.5821	-0.0900	0.225118
<i>Prpf6</i>	chr2:181591867-181655660	34.9408	33.1262	-0.0769	0.207497
<i>Pygo2</i>	chr3:89430213-89435128	19.3411	18.1537	-0.0914	0.209383
<i>Nf2</i>	chr11:4765844-4849536	11.1470	12.4998	0.1653	0.233051
<i>Pitrm1</i>	chr13:6548156-6580139	27.5249	25.9326	-0.0860	0.210394
<i>Sart3</i>	chr5:113742445-113771649	20.9964	22.9408	0.1278	0.100955
<i>A130051J06Rik</i>	chr15:95787855-95791642	2.6958	3.2136	0.2535	0.105845
<i>Lnpep</i>	chr17:17527722-17624489	85.1631	92.8913	0.1253	0.193936
<i>Polr3f</i>	chr2:144527717-144541995	11.0214	10.4127	-0.0820	0.133303
<i>Mocs2</i>	chr13:114818243-114829006	13.0983	11.9636	-0.1307	0.196606
<i>Hadha</i>	chr5:30118300-30155162	30.9535	29.0994	-0.0891	0.247502
<i>4931406P16Rik</i>	chr7:34236706-34313551	10.6075	10.0793	-0.0737	0.087643
<i>Terf1</i>	chr1:15805657-15843428	15.1328	17.2935	0.1926	0.186731
<i>U2af1l4</i>	chr7:30563300-30567960	29.8999	28.4318	-0.0726	0.161806
<i>Cdyl</i>	chr13:35659861-35874064	8.1484	7.3983	-0.1393	0.265127
<i>Ssbp1</i>	chr6:40471351-40481823	8.8987	10.1048	0.1834	0.153290
<i>Rab23</i>	chr1:33719881-33742564	1.0622	1.2701	0.2579	0.210107
<i>Gm20716</i>	chr2:168180985-168230364	28.7701	31.9979	0.1534	0.255181
<i>Ubr4</i>	chr4:139352608-139489588	29.0360	32.9953	0.1844	0.305144
<i>Snx11</i>	chr11:96767554-96777559	11.8057	10.7488	-0.1353	0.333765
<i>Mttr7</i>	chr8:40551094-40634797	3.2391	2.8821	-0.1684	0.210583
<i>Vav1</i>	chr17:57279099-57328031	74.2034	71.3393	-0.0568	0.072253
<i>Snrnp200</i>	chr2:127208385-127240451	54.8803	52.5342	-0.0630	0.227736
<i>Amz1</i>	chr5:140724126-140761439	1.6736	1.9316	0.2068	0.083756
<i>Sgsm2</i>	chr11:74849260-74897060	1.5172	1.7584	0.2128	0.105569
<i>Rara</i>	chr11:98927817-98974942	12.6287	14.3211	0.1814	0.233299
<i>Eif4ebp3</i>	chr18:36664059-36665917	26.7457	24.2976	-0.1385	0.169363
<i>Tmem127</i>	chr2:127247907-127261107	37.1768	35.3750	-0.0717	0.256763
<i>Tmem33</i>	chr5:67260564-67291461	8.7551	8.0808	-0.1156	0.246038
<i>Rpl13a</i>	chr7:45125557-45136231	591.5198	516.8456	-0.1947	0.346652
<i>Atp7a</i>	chrX:106027275-106124926	4.1922	4.6300	0.1433	0.110856
<i>Slc38a7</i>	chr8:95835919-95853539	3.9797	3.5399	-0.1690	0.255512
<i>Atp1b3</i>	chr9:96332679-96364299	357.4992	385.8502	0.1101	0.105474
<i>Srprb</i>	chr9:103188032-103202137	13.4090	12.5909	-0.0908	0.165972
<i>Cnst</i>	chr1:179546369-179627478	13.1419	12.5699	-0.0642	0.144245
<i>NA</i>	chr12:55239325-55263020	5.5318	6.4490	0.2213	0.165246
<i>Apeh</i>	chr9:108085416-108094480	27.8164	30.3402	0.1253	0.100500
<i>Cxcr6</i>	chr9:123806476-123811754	6.5759	10.3514	0.6546	0.257771
<i>1810043G02Rik</i>	chr10:77978523-77986905	1.8551	1.6075	-0.2067	0.319824
<i>Cep83os</i>	chr10:94673492-94688613	4.2514	4.7897	0.1720	0.071056
<i>Tcn2</i>	chr11:3917191-3932159	4.8865	4.2508	-0.2011	0.208915
<i>Mgat4b</i>	chr11:50210889-50235103	1.9375	2.3672	0.2890	0.136345
<i>Polg2</i>	chr11:106768252-106779537	6.9991	7.8348	0.1627	0.145366
<i>Gtf2ird2</i>	chr5:134184018-134224355	4.6118	4.2256	-0.1262	0.226040
<i>Nrip2</i>	chr6:128399295-128408932	1.6790	1.4122	-0.2496	0.216045
<i>Smg9</i>	chr7:24399618-24422778	21.3819	20.1181	-0.0879	0.236742
<i>Gm20537</i>	chr9:88407431-88456616	42.6978	39.8921	-0.0981	0.141160
<i>MsrA</i>	chr14:64122622-64455903	11.8874	10.1932	-0.2218	0.358146
<i>Dapl1</i>	chr2:59484652-59505020	66.5826	51.8850	-0.3598	0.236523
<i>Pigt</i>	chr2:164497519-164508301	9.8953	8.8761	-0.1568	0.347187
<i>Kpna6</i>	chr4:129643979-129672767	11.6245	11.0559	-0.0723	0.056446
<i>Tmem131</i>	chr1:36792190-36939527	15.1280	17.2089	0.1859	0.305719
<i>Copa</i>	chr1:172082528-172122330	46.7380	44.9740	-0.0555	0.145065
<i>Klhl21</i>	chr4:152008802-152017680	12.7713	11.8784	-0.1046	0.279614
<i>Ankrd40</i>	chr11:94328000-94341841	15.6634	14.8088	-0.0809	0.134683
<i>Sp2</i>	chr11:96953339-96982959	3.0274	3.6053	0.2521	0.219559
<i>Casd1</i>	chr6:4600839-4643381	20.2834	19.1033	-0.0865	0.197050
<i>Mettl20</i>	chr6:149139848-149151171	11.2356	10.2817	-0.1280	0.250800
<i>Sae1</i>	chr7:16327052-16387797	30.9024	34.1163	0.1427	0.123247
<i>Arc</i>	chr15:74669082-74672570	1.9265	2.3904	0.3113	0.208169

<i>Ep300</i>	chr15:81586213-81652077	11.7379	13.2753	0.1776	0.297895
<i>Rap1a</i>	chr3:105727266-105801330	30.0610	33.6357	0.1621	0.217540
<i>Csf1</i>	chr3:107741047-107760469	0.5433	1.2078	1.1524	0.202636
<i>Usf2</i>	chr7:30945251-30956803	23.3491	22.0647	-0.0816	0.152666
<i>Zfp609</i>	chr9:65692390-65827564	2.4310	2.7830	0.1951	0.146665
<i>AW554918</i>	chr18:25168998-25467321	3.9300	4.3837	0.1576	0.113277
<i>Ndufa2</i>	chr18:36742331-36744557	62.3675	54.1344	-0.2042	0.317005
<i>Rnf213</i>	chr11:119393099-119487418	71.9397	94.0950	0.3873	0.222749
<i>Ptplad2</i>	chr4:88396143-88438928	1.8847	1.6942	-0.1537	0.078217
<i>Cnnm3</i>	chr1:36511866-36528237	6.2306	7.0900	0.1864	0.252594
<i>Lpin1</i>	chr12:16535668-16589770	12.3456	11.7302	-0.0738	0.110452
<i>Alms1</i>	chr6:85587530-85702753	1.2410	1.5031	0.2765	0.290757
<i>Cd2bp2</i>	chr7:127191659-127196000	38.8081	36.8538	-0.0745	0.234763
<i>Colgalt1</i>	chr8:71611023-71624909	26.7062	24.6286	-0.1168	0.357584
<i>N4bp1</i>	chr8:86841138-86885258	7.3357	8.2076	0.1620	0.213132
<i>Slc7a6</i>	chr8:106168874-106198704	12.9993	14.2796	0.1355	0.107473
<i>Acbd3</i>	chr1:180726042-180754203	21.6610	23.7543	0.1331	0.131076
<i>Samm50</i>	chr15:84192232-84214303	44.3994	41.8170	-0.0865	0.161978
<i>Zfp524</i>	chr7:5015500-5018486	17.3922	15.4435	-0.1714	0.273701
<i>Stard5</i>	chr7:83631958-83653127	95.5879	91.5773	-0.0618	0.201681
<i>Klhl20</i>	chr1:161088374-161131511	8.6265	8.1753	-0.0775	0.127400
<i>Rcsd1</i>	chr1:165648944-165708094	83.2412	79.8494	-0.0600	0.182677
<i>Thumpd1</i>	chr7:119715095-119720765	40.5605	38.3689	-0.0801	0.164385
<i>Elk1</i>	chrX:20933394-20950608	2.6247	3.0522	0.2177	0.161232
<i>Polrmt</i>	chr10:79736122-79746581	9.8008	9.1593	-0.0977	0.225178
<i>Gdf11</i>	chr10:128882294-128891718	7.8813	7.3111	-0.1083	0.170692
<i>4930599N23Rik</i>	chr6:39118407-39148312	8.6802	9.9378	0.1952	0.157412
<i>Gimap1</i>	chr6:48718606-48752600	99.2105	94.1650	-0.0753	0.231838
<i>Slc35a2</i>	chrX:7884040-7894492	6.6625	6.0756	-0.1331	0.198281
<i>Rrp7a</i>	chr15:83113432-83122801	11.8920	11.1854	-0.0884	0.204794
<i>Gm15441</i>	chr3:96555764-96566801	112.5293	125.2760	0.1548	0.217435
<i>Rpp25l</i>	chr4:41712032-41713534	18.5474	16.5986	-0.1602	0.225550
<i>Angptl2</i>	chr2:33216068-33247717	3.5508	6.9128	0.9611	0.263675
<i>Ccdc9</i>	chr7:16274041-16286795	11.4657	12.6253	0.1390	0.146800
<i>Lamtor1</i>	chr7:101905836-101911901	29.4286	26.7119	-0.1397	0.258708
<i>Lenep</i>	chr3:89400987-89402793	5.9172	5.1366	-0.2041	0.248971
<i>Zfp426</i>	chr9:20468548-20492746	12.5167	11.6060	-0.1090	0.240960
<i>Hbs1</i>	chr10:21295978-21368889	13.8257	15.0448	0.1219	0.077390
<i>Abhd5</i>	chr9:122351607-122381524	2.5183	2.9650	0.2355	0.139619
<i>Pdcd2</i>	chr17:15519207-15527301	24.0068	22.5592	-0.0897	0.142174
<i>Stip1</i>	chr19:7020695-7040026	55.2153	50.4452	-0.1304	0.344878
<i>Dcaf8</i>	chr1:172148014-172196393	55.4084	53.1094	-0.0611	0.182933
<i>Tacc1</i>	chr8:25154551-25201449	35.2677	33.5603	-0.0716	0.269361
<i>Traj9</i>	chr14:54209392-54209450	109.7285	135.1779	0.3009	0.221973
<i>Snx33</i>	chr9:56917199-56928371	8.3298	7.7094	-0.1117	0.269195
<i>Ccdc22</i>	chrX:7593808-7605517	15.7315	14.1591	-0.1519	0.338494
<i>Adrm1</i>	chr2:180171484-180176286	6.3421	5.8301	-0.1214	0.217452
<i>Ndufaf4</i>	chr4:24898082-24905001	8.3908	7.5281	-0.1565	0.280521
<i>Tpst1</i>	chr5:130073325-130135729	2.8641	2.3949	-0.2581	0.248566
<i>Ms4a6c</i>	chr19:11469367-11482197	39.2783	42.8541	0.1257	0.126722
<i>Sgol2</i>	chr1:57995970-58025899	0.7558	1.0296	0.4461	0.315719
<i>BC051226</i>	chr17:33908181-33909317	13.7932	12.4032	-0.1533	0.121275
<i>Taf6l</i>	chr19:8774353-8786417	5.3327	4.8915	-0.1246	0.194481
<i>Gm17092</i>	chr5:99977685-99978858	7.4704	6.1642	-0.2773	0.243649
<i>Gab3</i>	chrX:74966842-75085458	3.8390	4.3785	0.1897	0.101291
<i>Ndufs8</i>	chr19:3908869-3912717	46.3945	41.2943	-0.1680	0.316287
<i>0610037L13Rik</i>	chr4:107889812-107899384	10.8394	10.2594	-0.0793	0.095852
<i>Akr7a5</i>	chr4:139310743-139318426	7.0746	6.3939	-0.1460	0.009997
<i>2310003H01Rik</i>	chr11:120369054-120378764	6.1001	5.6896	-0.1005	0.129341
<i>Gdap10</i>	chr12:32821871-32826904	5.8930	6.6860	0.1822	0.220092
<i>Setd3</i>	chr12:108106430-108179314	19.3759	18.4620	-0.0697	0.140895
<i>Rnf157</i>	chr11:116336352-116413032	1.0411	0.8042	-0.3726	0.368847
<i>Map3k1</i>	chr13:111746427-111808993	38.9237	42.0946	0.1130	0.149865
<i>Ppp4c</i>	chr7:126785906-126792471	125.2840	118.2097	-0.0839	0.234865
<i>Gmcl1</i>	chr6:86691767-86733378	8.8038	9.8205	0.1577	0.118209
<i>Fancc</i>	chr13:63304708-63497278	4.7327	5.2388	0.1466	0.125245
<i>D6Wsu163e</i>	chr6:126939965-126975704	8.7208	7.9821	-0.1277	0.131712
<i>2010315B03Rik</i>	chr9:124292990-124311750	17.8434	19.7711	0.1480	0.069041
<i>Klf9</i>	chr19:23141225-23166911	1.1995	1.5012	0.3237	0.199926
<i>Tmem55a</i>	chr4:14864075-14915176	8.9811	8.1277	-0.1440	0.196986
<i>Ppard</i>	chr17:28232753-28301469	1.3833	1.6864	0.2859	0.206580

NA	chr15:76622087-76626027	191.0174	178.4877	-0.0979	0.295794
Trim44	chr2:102300118-102407828	23.5505	25.7874	0.1309	0.142665
Arf2	chr11:103966738-103985337	8.1201	9.1610	0.1740	0.171992
Prelid1	chr13:55322054-55325271	87.1570	79.3068	-0.1362	0.316193
Pgm2	chr4:99929413-99987294	14.8505	16.5641	0.1576	0.173925
Bcat2	chr7:45570152-45589710	12.6616	11.7314	-0.1101	0.250819
Mrpl20	chr4:155803535-155809776	26.1153	23.1610	-0.1732	0.279323
Fam118b	chr9:35216964-35267805	4.5845	5.0556	0.1411	0.022870
Wdr78	chr4:103038064-103114555	1.3659	1.1504	-0.2477	0.343607
Txlna	chr4:129626077-129641065	21.2936	20.3319	-0.0667	0.109150
Vps4a	chr8:107031221-107045755	37.5280	35.4301	-0.0830	0.179689
Fdx1	chr9:51943306-51963533	10.2417	8.9089	-0.2011	0.156925
Ttll1	chr15:83483771-83510893	1.7930	1.4909	-0.2661	0.160020
Pinx1	chr14:63860311-63919859	8.4427	9.7802	0.2122	0.126008
Hic2	chr16:17233571-17263430	1.5566	1.3440	-0.2119	0.279668
Tjrc	chr16:32608919-32632794	12.8697	11.8927	-0.1139	0.287534
Wdr75	chr1:45795165-45823619	19.7182	18.4555	-0.0955	0.240171
Gbp3	chr3:142560051-142573209	9.0896	10.8103	0.2501	0.339858
1300002E11Rik	chr16:21794346-21809037	6.1943	7.1233	0.2016	0.209499
Dopey1	chr9:86485406-86555806	31.6465	29.7984	-0.0868	0.294020
Got1	chr19:43499751-43524605	9.8061	9.1195	-0.1047	0.039699
Hist2h3b	chr3:96268653-96269141	45.4841	38.6670	-0.2343	0.323120
Hilpda	chr6:29272487-29275446	7.7085	9.0862	0.2372	0.171263
Ptpn23	chr9:110385088-110408210	2.6424	3.1088	0.2345	0.243994
Frmf8	chr19:5849701-5875274	50.1542	47.9742	-0.0641	0.247892
Wdly1	chr1:79702261-79776143	3.4262	3.8293	0.1604	0.110108
Klhl2	chr8:64739862-64849818	12.3421	11.4741	-0.1052	0.180665
Tjp2	chr19:24094522-24225026	1.7551	3.0832	0.8129	0.278131
Sfxn3	chr19:45047575-45056383	10.6718	12.2399	0.1978	0.262561
Lax1	chr1:133679028-133690108	34.6777	40.1459	0.2112	0.331038
Rxra	chr2:27676439-27762957	3.0191	3.5379	0.2288	0.204504
Nras	chr3:103058338-103067914	50.2637	47.0528	-0.0952	0.274208
Rmrp	chr4:43492787-43493058	19521.3102	15900.0120	-0.2960	0.241943
Prkcz	chr4:155260128-155361361	1.1012	1.3339	0.2766	0.234212
Mrps14	chr1:160195214-160202170	8.7477	7.8243	-0.1609	0.311093
Rab1	chr11:20201431-20226856	19.0470	21.0369	0.1434	0.157923
9030617O03Rik	chr12:100779056-100896981	5.0641	4.5901	-0.1418	0.269121
Hmocr	chr13:96648966-96670936	20.5968	18.9627	-0.1193	0.351105
Zfp956	chr6:47953389-47965300	15.1980	14.2239	-0.0956	0.156837
Polr3d	chr14:70438747-70443471	15.9482	14.9697	-0.0913	0.060134
Izumo4	chr10:80702692-80705382	46.6098	43.7237	-0.0922	0.136644
Nfil3	chr13:52967208-52981073	1.6567	2.8965	0.8060	0.257266
Nckap1l	chr15:103453824-103498800	106.9105	103.3946	-0.0482	0.115495
Bfar	chr16:13671857-13703612	20.6113	19.6425	-0.0695	0.200385
Comt	chr16:18406885-18426852	6.5438	7.3652	0.1706	0.084465
Setd6	chr8:95715914-95719010	23.3976	21.9737	-0.0906	0.092797
Snape2	chr8:4253101-4256219	10.5195	9.6087	-0.1307	0.056951
Ubxn8	chr8:33619585-33641976	9.8314	10.9069	0.1498	0.110873
Bsdcl	chr4:129461580-129488498	14.0749	13.3060	-0.0810	0.215294
9130023H24Rik	chr7:128234450-128238031	4.8821	5.4738	0.1650	0.045793
Gm10434	chr11:59208245-59208720	13.0633	11.0374	-0.2431	0.154045
Gm26679	chr14:120384262-120388985	4.0647	5.0340	0.3086	0.189581
Bcl7a	chr5:123343833-123374082	2.9097	3.2971	0.1803	0.186602
Fbxo5	chr10:5799159-5805600	8.3692	9.5423	0.1892	0.166853
Ubac2	chr14:121878605-122021034	47.8134	45.6717	-0.0661	0.095989
Mad2l1	chr6:66535389-66541033	5.2435	6.0522	0.2069	0.156126
B4galt5	chr2:167298443-167349183	10.8463	9.7929	-0.1474	0.383811
Ncoa5	chr2:165000356-165034867	10.9712	11.9975	0.1290	0.067412
Sptssa	chr12:54645373-54656572	27.7567	31.1028	0.1642	0.186444
Fbxl2	chr9:113963636-114046191	4.7255	5.2598	0.1546	0.068125
Zfp507	chr7:35772345-35802989	14.8419	15.9849	0.1070	0.038894
Egf	chr3:129677574-129755322	0.7954	0.9956	0.3239	0.175354
Rbms1	chr2:60750192-60963192	20.3299	22.2120	0.1277	0.146009
Gnptg	chr17:25233330-25240124	19.4482	18.0922	-0.1043	0.186782
Gm25776	chr12:91573429-91573572	50.6917	79.6042	0.6511	0.283117
Otulin	chr15:27605918-27630693	45.5247	42.7859	-0.0895	0.205398
Ptov1	chr7:44863067-44869788	4.7118	4.1585	-0.1802	0.341110
Crtam	chr9:40972752-41004628	4.3424	3.6068	-0.2678	0.326092
Gm21986	chrX:101295838-101321348	4.0453	3.6464	-0.1498	0.314429
Ercc6l	chrX:102141715-102157091	1.1663	1.3961	0.2595	0.186849
Gm15629	chr14:75197072-75199271	18.1656	21.4400	0.2391	0.186076

Gm6030	chr16:45205099-45205501	33.0941	40.4834	0.2908	0.313066
Sp140	chr1:85600377-85645037	11.7763	13.0706	0.1504	0.159045
L3mbtl3	chr10:26274467-26375185	22.3134	21.1863	-0.0748	0.161701
Kidins220	chr12:24974931-25059697	53.0803	50.5777	-0.0697	0.318336
Lpcat3	chr9:124663026-124704418	18.1561	17.1759	-0.0801	0.204841
Aste1	chr9:105395391-105405758	8.4085	7.8460	-0.0999	0.049531
Anks1	chr17:27909339-28062600	8.6711	8.0708	-0.1035	0.296000
Gypc	chr18:32528321-32560034	14.2499	15.6969	0.1395	0.072869
Ccdc101	chr7:126649308-126672925	15.8261	14.5090	-0.1254	0.266312
Pik3c3	chr18:30272746-30348126	20.1413	21.6794	0.1062	0.026306
Trip11	chr12:101834042-101913267	21.1030	22.6646	0.1030	0.097603
Rad51d	chr11:82876433-82890614	10.7635	9.9898	-0.1076	0.254980
Lxn	chr3:67457997-67463926	2.5130	3.0993	0.3025	0.102158
Cct7	chr6:85451504-85468477	76.2873	72.5682	-0.0721	0.187023
Tex30	chr1:44086612-44102441	8.1888	7.2389	-0.1779	0.263495
Actr1b	chr1:36699201-36714422	24.3518	23.0588	-0.0787	0.203006
Gm12359	chr11:98797706-98810087	11.6855	10.6682	-0.1314	0.201302
Lpcat1	chr13:73467196-73516422	15.5738	14.5214	-0.1009	0.303338
Bre	chr5:31697683-32084962	7.5828	8.4839	0.1620	0.194300
Gm26944	chr7:92639738-92647442	19.3421	22.4492	0.2149	0.218549
2810428115Rik	chr8:70504291-70506752	11.5310	10.2682	-0.1673	0.316076
Nxf1	chr19:8757102-8770909	115.6001	109.5477	-0.0776	0.244660
Mrpl44	chr1:79776017-79781445	19.4213	17.2960	-0.1672	0.275112
Rad51	chr2:119112792-119147445	1.4563	1.2917	-0.1730	0.105189
Rbm12b2	chr4:12089438-12096243	14.3190	13.5947	-0.0749	0.041358
Mad2l2	chr4:148130383-148145699	3.5103	4.0830	0.2180	0.127537
Dhx33	chr11:70984090-71004437	7.4899	7.0934	-0.0785	0.204406
Plekhh1	chr11:103365087-103412664	5.9764	6.8943	0.2061	0.305131
Akap13	chr7:7545533-75754609	84.5590	93.0819	0.1385	0.266158
Rps6kb2	chr19:4156712-4163354	12.2862	13.7057	0.1577	0.170542
Lrrc75b	chr10:75550124-75560330	1.7711	2.1233	0.2617	0.189629
Clint1	chr11:45852050-45910625	37.3968	40.3382	0.1092	0.137157
Mcm3	chr1:20802973-20820278	21.8291	20.6725	-0.0785	0.177375
Tbl1x	chrX:77511012-77662983	24.1210	26.0384	0.1104	0.097789
Parp2	chr14:50807945-50821300	38.3931	36.1431	-0.0871	0.207071
Suz12	chr11:79993105-80034123	30.4167	33.0120	0.1181	0.122812
Ctsc	chr7:88278084-88310888	18.6665	17.5082	-0.0924	0.246972
Arhgef7	chr8:11728104-11835219	4.4781	4.9542	0.1457	0.183007
Hook3	chr8:26021420-26119224	10.4194	11.2856	0.1152	0.134768
Parp16	chr9:65214689-65239219	3.5457	3.0955	-0.1959	0.176351
Zfp275	chrX:73342620-73359080	15.3121	14.5448	-0.0742	0.234081
NA	chr17:34996735-35000958	13.3761	15.8948	0.2489	0.359594
Dbi	chr1:120113279-120121078	18.5020	16.2643	-0.1860	0.348897
Dcaf12	chr4:41291299-41314889	20.4464	19.4405	-0.0728	0.158698
Zfp273	chr13:67813739-67827002	2.6427	3.0289	0.1968	0.076499
2210016L21Rik	chr5:114942157-114949783	10.0992	9.3523	-0.1108	0.200398
Trbj2-1	chr6:41542753-41542803	142.7619	124.9084	-0.1927	0.027912
Lig1	chr7:13277282-13311433	3.6979	4.1670	0.1723	0.143271
Ftsj1	chrX:8238667-8252406	2.5229	2.2200	-0.1845	0.281508
Mus81	chr19:5482344-5488402	17.3649	16.3665	-0.0854	0.175551
Tceb1	chr1:16642765-16656865	25.3594	28.7356	0.1803	0.196323
Cdc23	chr18:34630950-34651735	10.7766	10.2977	-0.0656	0.068469
Golga2	chr2:32287383-32307921	19.0280	18.1749	-0.0662	0.189431
Gm10684	chr9:45107175-45135606	2.5350	2.1468	-0.2398	0.175448
Deb1	chr9:121710388-121712921	11.9930	14.3783	0.2617	0.175654
Gm15743	chr16:31427875-31429776	3.7161	3.1948	-0.2180	0.135306
Klhdc3	chr17:46674549-46680930	16.7520	19.0448	0.1851	0.247952
Mocs1	chr17:49428361-49455435	8.7485	8.0779	-0.1151	0.242282
Ccdc73	chr2:104867804-105017904	2.0525	2.3760	0.2112	0.086807
Sec61b	chr4:47474657-47483242	25.1157	21.9104	-0.1970	0.335406
Pop1	chr15:34495303-34530648	5.1507	4.7330	-0.1220	0.132449
Gm20511	chr11:103190709-103192896	23.1037	27.6606	0.2597	0.265128
Zfp658	chr7:43562255-43575461	5.2839	4.8187	-0.1330	0.202029
Mllt6	chr11:97663413-97685463	77.8819	74.1697	-0.0705	0.297686
Ndn12	chr7:64867051-64872997	4.6954	4.3643	-0.1055	0.097181
Ppil2	chr16:17086554-17111257	30.1175	29.0842	-0.0504	0.133793
Tnks1bp1	chr2:85048021-85073048	7.7541	7.1317	-0.1207	0.336744
Klh9	chr4:88718291-88722465	54.4491	50.8666	-0.0982	0.298686
Rnf5	chr17:34601090-34603690	5.6046	6.6269	0.2417	0.154320
Mtch2	chr2:90847154-90866810	9.6134	9.1461	-0.0719	0.117536
Sgta	chr10:81044074-81060178	21.1053	19.6318	-0.1044	0.255046

<i>Uap1</i>	chr1:170141937-170174957	9.4714	8.8534	-0.0974	0.097959
<i>Ube2j2</i>	chr4:155943830-155959604	8.2952	7.7824	-0.0921	0.105892
<i>Gcdh</i>	chr8:84886392-84893921	11.4528	10.5470	-0.1189	0.259680
<i>Mtap</i>	chr4:89137121-89181081	16.2060	18.0362	0.1544	0.173242
<i>Katnbl1</i>	chr2:112379210-112414240	4.4487	5.0368	0.1791	0.132308
<i>Tmem173</i>	chr18:35733677-35740554	68.2191	65.0395	-0.0689	0.276556
<i>Rpl10a-ps1</i>	chr1:64993923-64994631	14.1640	12.2638	-0.2078	0.227492
<i>Hspa4l</i>	chr3:40744494-40796103	4.8423	5.3179	0.1352	0.168036
<i>Slc35e1</i>	chr8:72480640-72492614	26.5148	25.3410	-0.0653	0.199931
<i>Anapc5</i>	chr5:122787468-122821339	119.9402	113.9035	-0.0745	0.275643
<i>Dolpp1</i>	chr2:30392253-30400529	8.4785	7.8643	-0.1085	0.164287
<i>Zfp365</i>	chr10:67886102-67912662	2.2738	2.6757	0.2348	0.238580
<i>Larp1</i>	chr11:58009063-58062034	21.9597	24.8126	0.1762	0.322428
<i>Emc6</i>	chr11:73175518-73177037	29.6165	26.6935	-0.1499	0.309377
<i>Arl5c</i>	chr11:97989577-97996181	63.7564	59.3626	-0.1030	0.300496
<i>Slc25a28</i>	chr19:43663821-43674881	23.8666	22.3897	-0.0922	0.160497
<i>Eri3</i>	chr4:117550364-117674297	8.2659	7.7006	-0.1022	0.033703
<i>Laptm5</i>	chr4:130913124-130936141	137.7281	151.5736	0.1382	0.223917
<i>Bin2</i>	chr15:100641076-100669553	184.0276	176.2371	-0.0624	0.275174
<i>Cand1</i>	chr10:119199254-119240055	25.4112	24.3136	-0.0637	0.249255
<i>Pdcd1</i>	chr1:94038306-94052553	15.9891	27.3483	0.7744	0.306901
<i>Nt5dc1</i>	chr10:34288287-34418552	22.3341	24.6213	0.1407	0.193839
<i>Gm11724</i>	chr11:117789896-117791313	24.0053	27.3169	0.1864	0.049910
<i>Zfp456</i>	chr13:67345245-67375810	9.5761	8.9051	-0.1048	0.286522
<i>Cdc25a</i>	chr9:109875578-109893888	10.3514	9.5393	-0.1179	0.238083
<i>Ebag9</i>	chr15:44619640-44641024	13.9396	15.9094	0.1907	0.214083
<i>Sgsm3</i>	chr15:80977764-81012289	1.9276	2.2888	0.2478	0.175967
<i>Ankrd28</i>	chr14:31700014-31830415	11.2400	12.6183	0.1669	0.276533
<i>Cxadr</i>	chr16:78301495-78359785	0.6700	0.8457	0.3360	0.247647
<i>Kif18a</i>	chr2:109280737-109341747	0.8086	0.9633	0.2526	0.223667
<i>Zfp639</i>	chr3:32515294-32520685	44.1260	41.3024	-0.0954	0.240211
<i>Nrf1</i>	chr6:30047987-30153458	10.9132	10.4834	-0.0580	0.107619
<i>Reep2</i>	chr18:34840588-34847463	3.5620	4.2699	0.2615	0.190619
<i>Fam45a</i>	chr19:60811584-60836227	6.4873	7.1543	0.1412	0.142120
<i>Gopc</i>	chr10:52337023-52382124	11.3738	12.3278	0.1162	0.013155
<i>Derl2</i>	chr11:71007163-71019841	8.7256	9.4250	0.1112	0.037152
<i>Pex12</i>	chr11:83294641-83302586	3.8864	4.4959	0.2102	0.223699
<i>Tmtc4</i>	chr14:122918970-122984035	2.9702	3.2978	0.1509	0.056828
<i>NA</i>	chr1:143605161-143606608	3.6393	4.3395	0.2539	0.076459
<i>Lrrc41</i>	chr4:116075268-116097043	9.9272	9.2089	-0.1084	0.296741
<i>Scml4</i>	chr10:42860369-42960780	38.4746	36.7987	-0.0643	0.273307
<i>2210015D19Rik</i>	chr11:5762128-5784710	5.3662	4.8220	-0.1543	0.242797
<i>Slc5a10</i>	chr11:61672780-61720826	3.6164	3.1338	-0.2066	0.255357
<i>Bud31</i>	chr5:145140361-145148078	48.1775	43.8391	-0.1361	0.313889
<i>Ptpre</i>	chr7:135537823-135686294	12.7137	12.0311	-0.0796	0.219174
<i>Babam1</i>	chr8:71396854-71404772	38.4261	36.3623	-0.0796	0.166479
<i>Chordc1</i>	chr9:18292266-18314000	52.1495	48.1371	-0.1155	0.338859
<i>Traf7</i>	chr17:24508561-24527938	23.0379	22.1472	-0.0569	0.145828
<i>Pot1b</i>	chr17:55652024-55712628	9.0222	9.9531	0.1417	0.114828
<i>Lrsam1</i>	chr2:32925215-32961614	3.4260	3.1252	-0.1326	0.137439
<i>Elp4</i>	chr2:105697319-105904564	2.3779	2.6721	0.1683	0.083834
<i>Fam73a</i>	chr3:152273458-152340407	2.7894	3.1500	0.1754	0.090535
<i>Arid1a</i>	chr4:133679007-133756769	15.6231	18.0380	0.2074	0.373884
<i>Tcf7</i>	chr11:52252370-52283014	228.7134	257.0237	0.1684	0.297560
<i>Mrps24</i>	chr11:5703982-5715680	24.1374	21.7252	-0.1519	0.307532
<i>Zfp777</i>	chr6:48024187-48048911	19.0082	17.7993	-0.0948	0.294484
<i>Map1s</i>	chr8:70905973-70917526	12.4233	11.5135	-0.1097	0.322538
<i>Tmem255a</i>	chrX:38196572-38252439	0.8977	1.1036	0.2980	0.134013
<i>Ric1</i>	chr19:29522281-29606829	8.6917	9.5937	0.1425	0.234475
<i>Exoc7</i>	chr11:116288000-116307233	14.8395	14.1378	-0.0699	0.086684
<i>Zfp346</i>	chr13:55105310-55134825	7.4759	8.3312	0.1563	0.176184
<i>Snrpd2</i>	chr7:19149721-19152735	28.9826	25.1273	-0.2059	0.316816
<i>Rrp1</i>	chr10:78400361-78413043	93.9872	88.9617	-0.0793	0.273299
<i>Wbscr27</i>	chr5:134932367-134942637	6.5337	5.8865	-0.1505	0.326323
<i>Jade3</i>	chrX:20425687-20519939	4.6109	4.1506	-0.1517	0.322523
<i>Tepl</i>	chr14:50824061-50870560	6.7836	7.5765	0.1595	0.244001
<i>Dennd1c</i>	chr17:57066055-57078510	50.7391	54.7224	0.1090	0.114084
<i>Rpa3</i>	chr6:8255935-8259173	9.5032	11.0417	0.2165	0.218939
<i>Fbxo28</i>	chr1:182313101-182341606	19.4589	18.5436	-0.0695	0.154157
<i>Mex3c</i>	chr18:73573043-73592575	28.1939	26.9129	-0.0671	0.179443
<i>Haus2</i>	chr2:120609382-120621560	7.1318	8.1875	0.1992	0.251537

<i>Bcas3</i>	chr11:85353166-85826058	7.6560	8.3347	0.1225	0.087206
<i>Gm17296</i>	chr8:126426651-126475065	8.9157	8.2109	-0.1188	0.335153
<i>Zfp831</i>	chr2:174643533-174710832	18.6341	20.4382	0.1333	0.241830
<i>Kpna4</i>	chr3:69067148-69127113	25.5445	27.6519	0.1144	0.145542
<i>Pus10</i>	chr11:23665673-23732876	7.9381	8.6729	0.1277	0.039490
<i>Gltscr1</i>	chr7:15971261-15999495	3.0281	3.6953	0.2873	0.371381
<i>Atf5</i>	chr7:44812256-44816658	2.2419	1.8421	-0.2834	0.249396
<i>Zfp143</i>	chr7:110061701-110095392	30.1105	28.3032	-0.0893	0.258036
<i>Zfp300</i>	chrX:21079173-21089527	1.8172	1.5593	-0.2209	0.286800
<i>Prepl</i>	chr17:85063476-85090267	4.5896	5.1429	0.1642	0.090662
<i>Gm26888</i>	chr11:119151650-119156994	3.5898	3.1018	-0.2108	0.362086
<i>Fanci</i>	chr7:79391928-79450265	9.8793	9.0882	-0.1204	0.315450
<i>Hspbp1</i>	chr7:4660520-4684963	17.7697	16.3353	-0.1214	0.271430
<i>Zeb1</i>	chr18:5591859-5775467	14.1395	15.1953	0.1039	0.061315
<i>Ywhab</i>	chr2:163994959-164018588	31.9081	34.5520	0.1148	0.088967
<i>Txndc15</i>	chr13:55714649-55726221	30.7206	28.7393	-0.0962	0.199046
<i>Trbj1-7</i>	chr6:41535641-41535686	162.8154	197.7547	0.2805	0.220568
<i>Adar</i>	chr3:89715021-89753446	40.1482	44.4609	0.1472	0.278845
<i>Dancr</i>	chr5:74093059-74095405	4.1068	3.6318	-0.1773	0.175424
<i>Rtn4ip1</i>	chr10:43901806-43947862	4.2426	4.9128	0.2116	0.215436
<i>Selo</i>	chr15:89089083-89100340	23.8362	22.7216	-0.0691	0.175522
<i>Gm13789</i>	chr5:114363414-114365357	25.2396	28.7254	0.1866	0.161074
<i>Cd2ap</i>	chr17:42792950-42876424	29.8745	28.2799	-0.0791	0.237902
<i>Stard4</i>	chr18:33199354-33213862	4.3924	4.8909	0.1551	0.106873
<i>Sv2a</i>	chr3:96181150-96195521	2.0374	2.3406	0.2002	0.087983
<i>Fancm</i>	chr12:65075605-65132058	5.2948	4.9574	-0.0950	0.183996
<i>Asun</i>	chr6:146549631-146577835	25.2461	23.7929	-0.0855	0.261789
<i>Tm6sf1</i>	chr7:81859000-81884434	4.9626	4.5936	-0.1115	0.240203
<i>NA</i>	chrX:12134458-12160346	4.5232	3.7817	-0.2583	0.274130
<i>Spef2</i>	chr15:9578192-9748868	1.6365	1.4796	-0.1454	0.024855
<i>Dcaf11</i>	chr14:55560005-55570065	13.1766	14.1843	0.1063	0.051947
<i>Dus3l</i>	chr17:56764750-56770092	24.6002	23.1425	-0.0881	0.285729
<i>Snx2</i>	chr18:53176364-53220860	39.0643	42.7913	0.1315	0.195340
<i>Gtf3c5</i>	chr2:28566310-28583751	3.5840	4.0586	0.1794	0.146440
<i>Romo1</i>	chr2:156144038-156145797	20.0970	17.7086	-0.1825	0.307534
<i>Ece1</i>	chr4:137862236-137965229	7.7982	8.8861	0.1884	0.275230
<i>Zbtb24</i>	chr10:41450395-41465571	21.8950	20.6247	-0.0862	0.190783
<i>Hist1h3b</i>	chr13:23752266-23752886	12.7772	18.5654	0.5390	0.287746
<i>Dpy19l3</i>	chr7:35685164-35754454	2.2585	2.5149	0.1551	0.144386
<i>Zfp330</i>	chr8:82763620-82774160	26.2667	24.3573	-0.1089	0.241829
<i>Irgm1</i>	chr11:48861967-48871683	36.7603	40.6803	0.1462	0.247007
<i>Cdkn2aipnl</i>	chr11:51967660-51977334	55.3196	51.6428	-0.0992	0.288794
<i>Shpk</i>	chr11:73199459-73224511	5.2773	4.7179	-0.1616	0.278138
<i>Tnpo3</i>	chr6:29540826-29609887	20.6821	19.9908	-0.0490	0.104467
<i>Pagr1a</i>	chr7:127001481-127020327	14.8194	14.0872	-0.0731	0.122939
<i>Fbrs</i>	chr7:127485220-127491513	10.5939	12.1676	0.1998	0.291087
<i>Oraov1</i>	chr7:144915099-144930748	6.3662	6.9831	0.1334	0.027078
<i>Keap1</i>	chr9:21229729-21239332	22.5123	21.4423	-0.0703	0.213421
<i>Tipin</i>	chr9:64281606-64304792	15.5932	17.6407	0.1780	0.186504
<i>Fyco1</i>	chr9:123789509-123851899	10.6041	11.7563	0.1488	0.248021
<i>5033417F24Rik</i>	chr1:92908379-92910764	4.2728	3.7587	-0.1849	0.095855
<i>Txn1</i>	chr18:63662800-63692359	17.7234	16.0141	-0.1463	0.318197
<i>Ppig</i>	chr2:69722544-69754012	9.7767	10.7212	0.1330	0.162534
<i>Galk2</i>	chr2:125859108-125984299	7.9102	7.3828	-0.0995	0.239225
<i>Nup210l</i>	chr3:90104131-90212017	2.1509	1.9262	-0.1591	0.189706
<i>Prpf38b</i>	chr3:108902666-108911727	61.5139	65.2221	0.0844	0.017384
<i>Nedd4</i>	chr9:72662556-72749842	0.9785	1.2276	0.3272	0.241931
<i>Gm22486</i>	chr6:71882556-71882693	46.6631	60.0264	0.3633	0.391323
<i>Pus1</i>	chr5:110773666-110780659	15.2759	14.3232	-0.0929	0.138761
<i>Pfas</i>	chr11:68985696-69008460	7.1607	6.6511	-0.1065	0.329464
<i>Ykt6</i>	chr11:5955692-5967780	32.0307	30.5361	-0.0689	0.158233
<i>Fam193b</i>	chr13:55539318-55571120	28.0432	26.2431	-0.0957	0.364104
<i>B9d2</i>	chr7:25681157-25686558	5.6229	6.7185	0.2568	0.160059
<i>Btg1</i>	chr10:96617000-96622813	160.8178	178.7099	0.1522	0.268548
<i>Rars</i>	chr11:35808380-35834506	25.8148	24.0718	-0.1009	0.284901
<i>Eif2b2</i>	chr12:85219480-85226628	25.8974	24.1403	-0.1014	0.269506
<i>NA</i>	chr13:23535421-23535951	11.0741	13.8787	0.3257	0.347342
<i>Nqo2</i>	chr13:33964658-33988465	3.8564	4.3574	0.1762	0.142122
<i>Cdk20</i>	chr13:64432552-64439720	2.8025	2.3413	-0.2594	0.283562
<i>Cdk6</i>	chr5:3343892-3523218	4.9243	5.8556	0.2499	0.306483
<i>Fam109a</i>	chr5:121849027-121854599	2.8331	2.4692	-0.1984	0.141176

<i>Usp1</i>	chr5:149184349-149215434	15.4917	14.6702	-0.0786	0.266547
<i>Scaf1</i>	chr7:45002947-45016363	6.8969	7.6636	0.1521	0.234255
<i>E030037K01Rik</i>	chr8:47713265-47715021	5.1138	4.5489	-0.1689	0.112293
<i>Zfp866</i>	chr8:69761325-69791178	24.1002	23.0906	-0.0617	0.218146
<i>A130014A01Rik</i>	chr8:120101581-120103904	3.3447	3.9174	0.2280	0.121334
<i>Gm16568</i>	chr9:15330572-15335345	13.7692	15.3952	0.1610	0.168491
<i>Gm16754</i>	chr9:21225370-21232639	15.8770	14.8932	-0.0923	0.124429
<i>Vps11</i>	chr9:44348105-44361670	30.6760	29.2590	-0.0682	0.231291
<i>Ppib</i>	chr9:66060168-66066629	211.1662	193.9835	-0.1224	0.357489
<i>Stag1</i>	chr9:100597797-100958545	19.1372	20.5426	0.1022	0.049992
<i>Pgrmc1</i>	chrX:36598205-36606079	24.5331	23.0935	-0.0872	0.167459
<i>Spag1</i>	chr15:36179367-36235610	3.3210	3.7731	0.1841	0.078173
<i>Btd</i>	chr14:31641027-31668579	7.8760	7.1540	-0.1387	0.194576
<i>Lrp10</i>	chr14:54464163-54471497	41.7783	46.3753	0.1506	0.283982
<i>Ints9</i>	chr14:64950044-65039835	7.8291	8.7830	0.1659	0.135838
<i>Naa60</i>	chr16:3872374-3904770	24.9270	26.6608	0.0970	0.007335
<i>A1846148</i>	chr19:7356463-7383026	8.6387	8.0299	-0.1054	0.201373
<i>Dpcd</i>	chr19:45560614-45578279	13.6777	12.3397	-0.1485	0.236341
<i>Fam117b</i>	chr1:59913005-59985346	17.1837	18.6663	0.1194	0.133739
<i>Nifk</i>	chr1:118321838-118333822	34.1004	31.3652	-0.1206	0.331366
<i>Ppp1r15b</i>	chr1:133131142-133139783	48.4305	46.5824	-0.0561	0.260825
<i>Tsen15</i>	chr1:152370734-152386688	2.5695	3.0607	0.2523	0.082646
<i>Kifap3</i>	chr1:163779582-163917109	1.9687	2.3063	0.2283	0.126149
<i>Casc5</i>	chr2:119047118-119105501	1.0786	1.3649	0.3396	0.372646
<i>Ppip5k1</i>	chr2:121310560-121355396	1.1268	1.2682	0.1705	0.065373
<i>Stk4</i>	chr2:164070321-164155524	147.8499	142.9009	-0.0491	0.145833
<i>Sys1</i>	chr2:164456963-164479638	12.1941	11.5560	-0.0775	0.228687
<i>Dcst1</i>	chr3:89350218-89365253	1.1635	1.3995	0.2664	0.109545
<i>Nfx1</i>	chr4:40970905-41025993	27.3770	26.4582	-0.0492	0.207872
<i>Acot11</i>	chr4:106744554-106804998	1.6760	2.0533	0.2929	0.330559
<i>Tnfrsf1b</i>	chr4:145213462-145246870	15.7421	19.7190	0.3250	0.261069
<i>Nlrx1</i>	chr9:44252712-44268599	1.6366	2.0094	0.2961	0.295277
<i>Gata3</i>	chr2:9857077-9890034	8.3329	9.4362	0.1794	0.264008
<i>Vcl</i>	chr14:20929432-21033673	4.4637	4.9485	0.1488	0.107071
<i>Phlpp1</i>	chr1:106171751-106394250	2.8593	3.3050	0.2090	0.259875
<i>Ptbp1</i>	chr10:79854426-79864771	48.5209	46.5909	-0.0586	0.211215
<i>Csnk1d</i>	chr11:120961748-120991330	30.0921	28.8194	-0.0623	0.304482
<i>Polr1e</i>	chr4:45018582-45036565	8.4335	7.8727	-0.0993	0.165236
<i>Cdca7l</i>	chr12:117804288-117878706	11.8934	10.9424	-0.1202	0.268796
<i>Parp8</i>	chr13:116854823-117025516	25.1617	27.3228	0.1189	0.110315
<i>Fam193a</i>	chr5:34369932-34486456	13.0886	14.5216	0.1499	0.278475
<i>Setd5</i>	chr6:113077364-113153435	16.5018	18.2759	0.1473	0.298260
<i>Clns1a</i>	chr7:97696633-97718879	37.3327	34.4948	-0.1141	0.284543
<i>Slc7a6os</i>	chr8:106200437-106210933	37.3846	35.2040	-0.0867	0.288411
<i>Man2c1</i>	chr9:57130689-57142722	20.5408	19.5979	-0.0678	0.314427
<i>Tmem29</i>	chrX:150397772-150459154	0.9054	1.0680	0.2383	0.175964
<i>Gm26884</i>	chr15:79689139-79692385	2.6966	2.3205	-0.2167	0.293230
<i>Tfb1m</i>	chr17:3519262-3557713	7.5303	8.6955	0.2076	0.135214
<i>Tceb2</i>	chr17:23824739-23829109	85.1589	77.2001	-0.1416	0.336133
<i>Timm21</i>	chr18:84947293-84951524	24.5165	22.6033	-0.1172	0.226163
<i>Traf2</i>	chr2:25517981-25546940	14.3747	13.7089	-0.0684	0.198389
<i>Pard6b</i>	chr2:168081003-168101203	1.6881	1.4610	-0.2085	0.107836
<i>Trim2</i>	chr3:84160438-84305446	0.4035	0.4859	0.2681	0.245698
<i>Cct3</i>	chr3:88297115-88321767	41.7067	39.1079	-0.0928	0.307362
<i>Gm26530</i>	chr3:116488965-116493358	3.4173	3.8306	0.1647	0.023556
<i>Capzb</i>	chr4:139192898-139291818	50.8034	47.1663	-0.1072	0.345090
<i>Gm26672</i>	chr18:37746558-37768242	0.5997	0.7440	0.3112	0.197376
<i>Arpc1a</i>	chr5:145083829-145108761	13.8205	15.0921	0.1270	0.047928
<i>Ssu72</i>	chr4:155704799-155733879	39.7635	36.9558	-0.1056	0.317025
<i>Ctstn1</i>	chr4:149586467-149648899	4.4731	5.1628	0.2069	0.288847
<i>Serpib9</i>	chr13:33003249-33017957	10.9603	10.1838	-0.1060	0.247319
<i>Gm10125</i>	chr18:5491502-5593505	0.6893	0.8479	0.2987	0.247177
<i>Trav14-2</i>	chr14:53640700-53641224	21.4860	18.8741	-0.1870	0.180999
<i>Higd2a</i>	chr13:54590206-54591158	60.7971	54.6899	-0.1527	0.338472
<i>Kif15</i>	chr9:122951080-123018725	2.6859	3.2675	0.2828	0.365757
<i>Acat2</i>	chr17:12942889-12960747	6.8339	6.2443	-0.1302	0.136157
<i>Nop58</i>	chr1:59685005-59711510	65.8000	61.4208	-0.0994	0.303699
<i>Gm21985</i>	chr2:112266313-112406319	34.5410	37.3950	0.1145	0.183987
<i>Gm17388</i>	chr4:136355773-136359440	3.2581	3.7907	0.2184	0.228120
<i>Wdr70</i>	chr15:7873054-8099209	8.6382	9.9190	0.1995	0.229719
<i>Trim39</i>	chr17:36258872-36272247	20.6632	19.6723	-0.0709	0.283233

<i>Itm2c</i>	chr1:85894280-85908675	60.7599	57.6789	-0.0751	0.286383
<i>Fbxl8</i>	chr8:105264647-105269326	8.4463	7.7234	-0.1291	0.212226
<i>Gm26083</i>	chr11:117077242-117077435	103.0653	86.2227	-0.2574	0.355378
<i>Tango2</i>	chr16:18300824-18348103	3.2847	3.7239	0.1811	0.255835
<i>Rab40c</i>	chr17:25882113-25919727	6.5141	5.8898	-0.1453	0.308014
<i>Oasl1</i>	chr5:114923239-114937915	5.2019	7.2272	0.4744	0.249286
<i>Slc25a32</i>	chr15:39094190-39112716	13.9283	12.9751	-0.1023	0.215194
<i>Dnase1l2</i>	chr17:24440080-24443105	4.4434	3.8890	-0.1922	0.314967
<i>Cd52</i>	chr4:134082447-134095082	768.4990	696.9345	-0.1410	0.390195
<i>Kansl1</i>	chr11:104333228-104468861	21.4464	23.7024	0.1443	0.253141
<i>Smarcd3</i>	chr5:24590817-24602012	10.3785	9.6538	-0.1044	0.340138
<i>Apol7e</i>	chr15:77698888-77719288	22.3728	20.9391	-0.0955	0.266763
<i>Camk2d</i>	chr3:126596301-126844913	6.8344	7.6021	0.1536	0.283488
<i>Cyb561a3</i>	chr19:10577453-10588548	12.1015	11.0951	-0.1253	0.223445
<i>Tfb2m</i>	chr1:179528054-179546267	3.0328	3.5326	0.2201	0.154000
<i>Zbtb49</i>	chr5:38189734-38220457	2.9861	2.7557	-0.1158	0.228267
<i>Ggnbp2</i>	chr11:84832360-84870817	39.0715	41.8878	0.1004	0.082388
<i>Mmab</i>	chr5:114431033-114444059	4.7972	4.3639	-0.1366	0.213446
<i>Ptger1</i>	chr8:83666832-83672753	32.1213	30.6220	-0.0690	0.320627
<i>Dus2</i>	chr8:105991336-106053840	3.8050	4.4557	0.2278	0.279756
<i>Vprbp</i>	chr9:106821873-106883318	26.7408	25.7680	-0.0535	0.205120
<i>Ppp1r37</i>	chr7:19530966-19562398	19.0394	17.8518	-0.0929	0.334305
<i>Myl6</i>	chr10:128490859-128493875	134.3323	122.5447	-0.1325	0.362471
<i>Rps5</i>	chr7:12922289-12926686	710.0068	636.2079	-0.1583	0.400791
<i>Pank2</i>	chr2:131262494-131299188	23.4780	22.5811	-0.0562	0.055730
<i>Smox</i>	chr2:131491495-131525922	4.0898	3.6978	-0.1453	0.242326
<i>Mrm1</i>	chr11:84813060-84819515	13.0956	12.2448	-0.0969	0.265581
<i>Mtmr1</i>	chrX:71364759-71419196	15.3195	14.5032	-0.0790	0.218443
<i>Ssna1</i>	chr2:25271038-25272438	27.9062	25.0683	-0.1547	0.345879
<i>Ccdc124</i>	chr8:70868226-70873490	35.8713	31.9465	-0.1672	0.362925
<i>Agbl5</i>	chr5:30888693-30906965	8.8277	8.2842	-0.0917	0.283591
<i>Ccdc92</i>	chr5:124834417-124862424	1.9582	2.3883	0.2865	0.189862
<i>Zkscan5</i>	chr5:145204561-145221750	5.2910	5.9181	0.1616	0.150357
<i>Isq20</i>	chr7:78913423-78920362	5.4948	6.6076	0.2661	0.317604
<i>Mbnl2</i>	chr14:120275668-120431697	21.2957	23.1086	0.1179	0.153265
<i>Sdc3</i>	chr4:130792536-130826319	0.9606	1.1684	0.2824	0.240746
<i>Brcc3</i>	chrX:75416627-75454001	6.1320	6.7712	0.1431	0.195329
<i>Gnas</i>	chr2:174284319-174346744	20.5011	22.2368	0.1172	0.169183
<i>Gas2</i>	chr7:51862014-51994975	0.9794	1.1939	0.2857	0.187783
<i>Acaa1a</i>	chr9:119339675-119350299	15.3230	14.6942	-0.0604	0.010385
<i>Rlim</i>	chrX:103957162-103981284	33.8325	35.9526	0.0877	0.046426
<i>Gpd1l</i>	chr9:114899340-114933987	19.0299	17.8659	-0.0911	0.358316
<i>Gm14233</i>	chr2:131298544-131299835	9.1093	11.1889	0.2967	0.159799
<i>Rrp8</i>	chr7:105732206-105737376	16.3133	15.2999	-0.0925	0.207093
<i>Lars2</i>	chr9:123366939-123462664	4.6254	5.3827	0.2187	0.326278
<i>1110058L19Rik</i>	chr1:23995938-24005656	5.5147	6.7065	0.2823	0.189332
<i>Ppox</i>	chr1:171275989-171281186	14.4312	13.6519	-0.0801	0.267550
<i>A830080D01Rik</i>	chrX:159526687-159593081	8.4260	9.4434	0.1645	0.213205
<i>Rraga</i>	chr4:86575672-86577281	11.0473	12.6198	0.1920	0.242193
<i>Cyca</i>	chr6:50562562-50566538	3.5657	4.0798	0.1943	0.152601
<i>Zfp326</i>	chr5:105876564-105915818	4.6354	5.1228	0.1442	0.159390
<i>Wasl</i>	chr6:24613804-24665009	6.3192	6.9642	0.1402	0.149709
<i>Cebpa</i>	chr7:35119292-35121926	1.7072	3.2110	0.9114	0.331689
<i>Tspan32os</i>	chr7:142988968-143008033	16.6388	15.0966	-0.1403	0.267927
<i>Mcoln1</i>	chr8:3500456-3515232	12.1620	11.4878	-0.0823	0.173988
<i>Has3</i>	chr8:106870241-106884566	7.5669	7.1570	-0.0803	0.211253
<i>Gm10804</i>	chr2:93452818-93469871	1.7525	2.0733	0.2425	0.117958
<i>9430008C03Rik</i>	chr2:158355306-158361580	15.2852	14.3642	-0.0897	0.316868
<i>Alad</i>	chr4:62509168-62519918	6.1210	5.3495	-0.1944	0.307801
<i>Pofut2</i>	chr10:77259299-77269586	18.6986	17.4045	-0.1035	0.320159
<i>Trpv2</i>	chr11:62574485-62600515	20.9716	19.9568	-0.0716	0.240578
<i>Slc39a11</i>	chr11:113244852-113650079	8.4861	7.8082	-0.1201	0.312108
<i>Cul4a</i>	chr8:13105620-13147940	12.0146	11.4688	-0.0671	0.210114
<i>Gm17491</i>	chr8:22480290-22483330	14.7627	13.8588	-0.0911	0.205052
<i>AA386476</i>	chr8:47675390-47677055	2.3356	2.8220	0.2730	0.075436
<i>Gm27006</i>	chr8:79705596-79706539	4.9962	4.1510	-0.2674	0.252851
<i>Ptlad1</i>	chr9:64986984-65021717	56.2821	52.5117	-0.1000	0.367553
<i>Eef1a1</i>	chr9:78478448-78489151	1955.3562	1789.8447	-0.1276	0.378995
<i>Syn1</i>	chrX:20860510-20921004	1.3763	1.7247	0.3256	0.294064
<i>Zfp280c</i>	chrX:48541624-48594504	7.2805	7.9634	0.1293	0.111153
<i>1110038F14Rik</i>	chr15:76948538-76950729	24.7297	23.0276	-0.1029	0.120158

<i>D030056L22Rik</i>	chr19:18713192-18718428	11.1459	10.2244	-0.1245	0.171256
<i>E030042O20Rik</i>	chr2:75704769-75710024	4.7238	4.1041	-0.2029	0.187991
<i>Tyro3</i>	chr2:119797732-119818104	2.1081	1.8705	-0.1725	0.326671
<i>Gm26899</i>	chr2:120532903-120539846	14.5597	16.0754	0.1429	0.172285
<i>Zscan29</i>	chr2:121158272-121171125	13.9326	14.9216	0.0989	0.037211
<i>Psemb4</i>	chr3:94884092-94886961	78.7311	72.8855	-0.1113	0.339213
<i>Tnpo2</i>	chr8:85036914-85057583	24.5939	23.2710	-0.0798	0.315738
<i>Gm14471</i>	chr2:30306066-30323986	3.6151	4.1738	0.2073	0.112831
<i>Cep41</i>	chr6:30653456-30693749	2.8685	3.2124	0.1633	0.041289
<i>Dot1l</i>	chr10:80755205-80795461	5.6817	6.4218	0.1766	0.310512
<i>Coq10a</i>	chr10:128363096-128370032	8.2371	7.6362	-0.1093	0.104561
<i>Tmem18</i>	chr12:30584442-30591213	16.7872	15.7952	-0.0879	0.249952
<i>Thumpd3</i>	chr6:113046224-113068273	19.8524	21.5674	0.1195	0.116287
<i>Tm2d2</i>	chr8:25017210-25023259	15.2349	13.7980	-0.1429	0.270639
<i>B3gnt9</i>	chr8:105252637-105255153	2.9765	2.6345	-0.1761	0.107032
<i>Nup133</i>	chr8:123897122-123949265	6.9190	6.5171	-0.0863	0.144086
<i>Prickle3</i>	chrX:7657259-7668186	4.6556	5.2094	0.1621	0.175966
<i>Eef1d</i>	chr15:75894795-75909556	32.0585	29.8517	-0.1029	0.353521
<i>Bbip1</i>	chr19:53929678-53944627	32.8933	36.1305	0.1354	0.199429
<i>Dst</i>	chr1:33908224-34308652	0.8528	1.1499	0.4312	0.273093
<i>Vps4b</i>	chr1:106764070-106796728	20.8953	22.5235	0.1083	0.137102
<i>Nr1i3</i>	chr1:171213969-171220701	7.0380	6.4923	-0.1164	0.317015
<i>Nfs1</i>	chr2:156078928-156144186	15.2343	14.5098	-0.0703	0.196611
<i>Ndufb5</i>	chr3:32736989-32751566	28.3456	25.6756	-0.1427	0.352609
<i>Prdm2</i>	chr4:143107390-143212995	11.9406	13.3324	0.1591	0.300041
<i>Slc25a14</i>	chrX:48623412-48662294	2.6499	3.1332	0.2417	0.166291
<i>Uqcr11</i>	chr10:80402996-80406830	30.6057	27.4866	-0.1551	0.300652
<i>Gcc1</i>	chr6:28416090-28428390	13.7639	13.0651	-0.0752	0.208506
<i>Recql</i>	chr6:142350341-142387087	16.7157	15.9996	-0.0632	0.230511
<i>Pnkp</i>	chr7:44857138-44862925	23.6100	22.3869	-0.0767	0.210730
<i>Pard6a</i>	chr8:105701153-105703493	2.8853	3.5162	0.2853	0.179645
<i>Tbcel</i>	chr9:42412315-42507809	17.5852	16.8616	-0.0606	0.191083
<i>Nol12</i>	chr15:78934932-78943634	5.1476	5.7442	0.1582	0.136559
<i>Racgap1</i>	chr15:99620495-99651656	2.2605	2.7150	0.2643	0.372167
<i>Pfdn6</i>	chr17:33938820-33940343	29.2155	26.2748	-0.1531	0.339891
<i>Rrp36</i>	chr17:46667457-46674255	26.5554	24.7134	-0.1037	0.263042
<i>Vps8</i>	chr16:21423117-21644680	5.1784	5.6283	0.1202	0.099344
<i>Hcls1</i>	chr16:36934982-36963212	93.7228	89.0631	-0.0736	0.290428
<i>Rhbdd1</i>	chr1:82316451-82445366	9.3706	8.6287	-0.1190	0.359009
<i>Atg16l1</i>	chr1:87755869-87792428	14.4195	13.7311	-0.0706	0.334652
<i>Fbxo38</i>	chr18:62504068-62548743	42.8205	41.4194	-0.0480	0.060176
<i>Golga1</i>	chr2:39016260-39065541	16.7847	16.1314	-0.0573	0.097971
<i>Tagap1</i>	chr17:6954964-6961156	7.9142	7.3207	-0.1124	0.111577
<i>Gm11695</i>	chr11:115462044-115463454	15.3305	13.3255	-0.2022	0.152210
<i>Gm20536</i>	chr6:72609835-72616190	67.7880	63.4907	-0.0945	0.103791
<i>Fnta</i>	chr8:25998728-26015601	35.1119	32.7786	-0.0992	0.301165
<i>Gm17169</i>	chr8:81790557-81790908	12.5207	15.1776	0.2776	0.156844
<i>Dusp12</i>	chr1:170873497-170885540	8.9312	8.2200	-0.1197	0.271276
<i>Mbd1</i>	chr18:74268271-74282685	25.9729	24.6337	-0.0764	0.283120
<i>Fitm2</i>	chr2:163466378-163472629	4.5872	4.2167	-0.1215	0.214495
<i>Dcp1a</i>	chr14:30479564-30527056	14.5444	15.8025	0.1197	0.165435
<i>Psemb7</i>	chr2:38588035-38644087	50.6265	46.1839	-0.1325	0.332553
<i>Zcrb1</i>	chr15:93386096-93398334	11.7406	12.7585	0.1200	0.026430
<i>Lyst</i>	chr13:13590408-13777440	31.8097	30.2642	-0.0719	0.360239
<i>Mrps12</i>	chr7:28739640-28741820	19.3526	17.2042	-0.1698	0.340840
<i>Ubb</i>	chr11:62551170-62553213	72.1657	81.9070	0.1827	0.324994
<i>Sirt5</i>	chr13:43370709-43395202	11.0704	10.0396	-0.1410	0.247077
<i>Pla2g6</i>	chr15:79286227-79328390	1.6779	1.9533	0.2193	0.190089
<i>Atp6v0a2</i>	chr5:124629066-12472144	36.2244	34.5288	-0.0692	0.257220
<i>Arap1</i>	chr7:101348066-101412586	14.7751	14.0712	-0.0704	0.327397
<i>Psmg2</i>	chr18:67641598-67654162	23.8566	21.8110	-0.1293	0.288948
<i>Polr2c</i>	chr8:94857449-94864242	10.1701	9.3078	-0.1278	0.139680
<i>Gm17344</i>	chr8:109859983-109868455	15.5481	17.2598	0.1507	0.120956
<i>Timm13</i>	chr10:80899449-80900969	25.5964	23.5688	-0.1191	0.292995
<i>Hiatl1</i>	chr13:65064662-65112982	18.2619	17.3378	-0.0749	0.271817
<i>Rdh10</i>	chr1:16105773-16133734	3.8698	3.5086	-0.1413	0.286278
<i>Lair1</i>	chr7:4007072-4063204	4.8128	4.3664	-0.1404	0.250994
<i>Serpini1</i>	chr3:75557546-75643495	2.9671	2.6847	-0.1443	0.293417
<i>Gpn1</i>	chr5:31494740-31512903	6.0247	5.7009	-0.0797	0.191375
<i>Calcoo1</i>	chr15:102706778-102722178	9.9354	9.2614	-0.1014	0.332377
<i>Top3b</i>	chr16:16870735-16892990	10.7579	10.2297	-0.0726	0.326651

Zfyve27	chr19:42163950-42194590	10.3003	9.6768	-0.0901	0.368337
Lypla1	chr1:4807787-4886770	13.5235	14.9302	0.1428	0.245561
Ncf2	chr1:152807889-152836990	1.9325	2.3141	0.2600	0.188808
Camk1d	chr2:5293456-5714515	6.6823	7.2821	0.1240	0.133651
Ptges2	chr2:32395895-32402739	6.6068	5.9815	-0.1434	0.184997
Manbal	chr2:157367593-157396763	7.9804	9.2737	0.2167	0.167134
Cebpb	chr2:167688914-167690418	4.5297	3.9407	-0.2010	0.184782
Gm26873	chr17:17389942-17395303	5.7307	6.4749	0.1762	0.102250
Larp4b	chr13:9093904-9173086	40.8008	39.4098	-0.0500	0.159639
Sppl2a	chr2:126890390-126933235	16.3780	17.5865	0.1027	0.104405
Atp10d	chr5:72203328-72298775	16.7216	18.1614	0.1192	0.201816
Eij4e2	chr1:87213913-87240488	13.7063	13.1982	-0.0545	0.123728
Nfic	chr10:81396185-81431005	1.0879	1.2960	0.2526	0.255598
Uqcr10	chr11:4701972-4704342	59.3185	53.4972	-0.1490	0.349296
Rpl37rt	chr5:115102921-115110268	6.6992	5.7069	-0.2313	0.089478
Pom121	chr5:135376140-135394546	3.0801	3.5404	0.2009	0.299400
Bola2	chr7:126695400-126697058	33.7244	30.3965	-0.1499	0.381139
Stk24	chr14:121286342-121379334	62.1748	66.8373	0.1043	0.128179
Tfeb	chr17:47737029-47792419	3.6632	3.3693	-0.1206	0.271196
Gm26447	chr16:23111300-23111429	141.1028	170.2457	0.2709	0.436755
Rad9a	chr19:4195197-4201603	61.3992	58.4459	-0.0711	0.247315
B3gat3	chr19:8920373-8927234	26.1508	24.4789	-0.0953	0.270927
Cdc37l1	chr19:28990493-29017569	38.7946	36.9842	-0.0689	0.252663
Zranb3	chr1:127954183-128103047	1.0507	1.2580	0.2598	0.223960
Gm26533	chr18:31781225-31789045	8.6891	9.7440	0.1653	0.126330
Comm2	chr3:57642903-57651715	4.8653	4.4546	-0.1272	0.238128
Dnajb14	chr3:137867674-137916557	1.8254	2.0149	0.1425	0.089667
Kdm4a	chr4:118136956-118180043	27.6025	26.5413	-0.0566	0.249684
H6pd	chr4:149979474-150009023	10.3988	9.8269	-0.0816	0.278431
Plk3	chr4:117128654-117133963	7.5228	8.7557	0.2190	0.322776
Midn	chr10:80148271-80158368	16.1381	14.9162	-0.1136	0.410347
Vrk3	chr7:44748412-44777515	20.4032	19.3131	-0.0792	0.301679
Cflar	chr1:58711507-58758884	31.1778	30.0156	-0.0548	0.252460
Capn10	chr1:92934375-92947941	4.1635	3.8412	-0.1162	0.189961
Rpl17	chr18:75000476-750003381	18.1071	20.4563	0.1760	0.154852
Zfp58	chr13:67490166-67500555	15.7716	14.7302	-0.0986	0.263738
Qdpr	chr5:45434031-45450235	16.0494	14.9390	-0.1034	0.213611
3110062M04Rik	chr6:34871770-34878060	5.5859	6.1851	0.1470	0.136214
Gm26770	chr6:128356003-128358839	6.0084	6.7862	0.1756	0.104065
Timm10b	chr7:105640055-105655748	13.4095	12.4068	-0.1121	0.310308
Arf3	chr15:98737620-98763214	40.5693	38.7654	-0.0656	0.273645
Lpxn	chr19:12798605-12833807	30.7304	34.5921	0.1708	0.328532
Gm15417	chr3:89391849-89398779	3.0496	2.6429	-0.2065	0.053568
Fasn	chr11:120805939-120824178	31.3895	29.5114	-0.0890	0.418727
Sik3	chr9:46012819-46224194	5.6470	6.4048	0.1817	0.339505
1600002K03Rik	chr10:80172943-80175146	11.4796	10.0618	-0.1902	0.219984
Osbp13	chr6:50293329-50456201	1.0719	1.8622	0.7968	0.299300
Rhno1	chr6:128356999-128362911	14.9732	16.2797	0.1207	0.037924
Ap1m1	chr8:72240017-72257385	24.3602	27.3018	0.1645	0.273693
2300009A05Rik	chr9:63394446-63399244	22.0502	19.6893	-0.1634	0.299240
Crtap	chr9:114375133-114390675	4.2559	3.6967	-0.2032	0.305454
Rbbp7	chrX:162760401-162779092	36.3753	39.6913	0.1259	0.167891
Gm17066	chr14:105109389-105114676	19.4828	21.5860	0.1479	0.105638
Chml	chr1:175686487-175688353	2.9518	3.4868	0.2403	0.113366
Myl12a	chr17:70993655-71002878	48.7999	45.3797	-0.1048	0.351899
Zfp398	chr6:47835660-47868257	7.1848	7.8235	0.1229	0.103764
Fis1	chr5:136953274-136966234	52.1493	48.1296	-0.1157	0.366143
Knop1	chr7:118842221-118856254	13.4343	12.7401	-0.0765	0.257296
Ndufa7	chr17:33824590-33838316	33.9909	31.1525	-0.1258	0.358171
Rab31	chr17:65651725-65772752	1.5639	1.8533	0.2449	0.139959
B230217O12Rik	chr19:57323384-57360775	3.8251	4.5318	0.2446	0.221019
Nup37	chr10:88146991-88178388	10.1384	9.1535	-0.1474	0.247669
Pyurf	chr6:57686575-57692078	5.9960	5.4024	-0.1504	0.304796
Rasgrp4	chr7:29134853-29153961	4.3423	4.0366	-0.1053	0.274177
Sphk2	chr7:45709466-45718002	15.9608	15.1556	-0.0747	0.254746
Metap1	chr3:138458959-138489382	27.8383	26.1778	-0.0887	0.300384
Fdft1	chr14:63145152-63177793	9.0726	8.1943	-0.1469	0.389063
Trim32	chr4:65604985-65616238	5.8834	5.4062	-0.1220	0.243845
Pknox1	chr17:31564748-31607680	17.8872	17.0934	-0.0655	0.219918
Glmn	chr5:107548966-107597888	5.3020	5.9186	0.1587	0.049783
Gabrapl2	chr8:111940702-111953612	4.9053	5.6258	0.1977	0.224749

Zkscan7	chr9:122888470-122896124	6.7422	7.6854	0.1889	0.220260
Ercc4	chr16:13109683-13150617	7.3138	7.9548	0.1212	0.125599
Znhit1	chr5:136982163-136988021	7.6867	6.8417	-0.1680	0.308456
Ankrd11	chr8:122883336-122974793	48.9537	53.3509	0.1241	0.266942
Acbd6	chr1:155558119-155687233	12.7826	11.8626	-0.1078	0.298622
Golph3	chr15:12321495-12351265	75.2972	70.8107	-0.0886	0.348122
Med22	chr2:26905261-26910677	18.8203	17.6434	-0.0932	0.320417
Maml1	chr11:50255633-50292311	7.4027	8.2929	0.1638	0.283371
Ctps	chr4:120539867-120570276	11.1675	10.5655	-0.0799	0.102709
Rbm4	chr19:4784292-4793901	30.4591	29.0065	-0.0705	0.330555
Ulp1	chr10:7444872-7473477	3.7492	4.3769	0.2233	0.150804
Gvin1	chr7:106156534-106215340	0.8325	1.0336	0.3121	0.358228
Thada	chr17:84190055-84466196	20.7264	22.5628	0.1225	0.256118
Bptf	chr11:107033080-107132127	31.1456	33.7504	0.1159	0.234809
Sos2	chr12:69583761-69681852	4.5676	5.0545	0.1461	0.234863
Zfp119a	chr17:55865203-55878862	9.2988	10.3410	0.1532	0.051059
Kif5b	chr18:6201001-6242174	53.7988	51.3769	-0.0665	0.304934
Fpgs	chr2:32682608-32704137	5.5800	5.1985	-0.1022	0.147631
Efcab14	chr4:115737743-11577327	5.8480	6.3804	0.1257	0.167746
B3galnt2	chr13:13954673-13999068	25.1481	23.7523	-0.0824	0.300260
Gm25394	chr13:49684300-49684433	26.2656	36.0586	0.4572	0.401786
Rab7	chr6:87999105-88045270	16.5040	18.6945	0.1798	0.288104
Chst10	chr1:38863876-38898160	9.4624	10.4143	0.1383	0.113478
Kdm1b	chr13:47043498-47084613	17.4338	16.6008	-0.0706	0.222604
Ubap2	chr4:41194312-41275144	7.7147	8.6847	0.1709	0.285997
Ksr1	chr11:79013439-79146407	4.1275	4.7594	0.2055	0.350905
NA	chr5:105323790-105343929	11.7852	13.5339	0.1996	0.286587
Adnp	chr2:168180985-168207112	21.5723	24.3734	0.1761	0.388883
1700064H15Rik	chr3:19610367-19628677	30.7132	25.9638	-0.2424	0.405203
Trbv29	chr6:41271402-41271881	39.2967	46.9826	0.2577	0.369092
Marvel2	chr13:100595956-100616971	1.5269	1.8830	0.3024	0.317503
Tesk2	chr4:116720947-116805956	8.2157	7.7550	-0.0832	0.074155
Sept6	chrX:36911325-36991794	40.2668	37.6550	-0.0967	0.384433
NA	chrX:136741857-136743143	3.5741	2.9190	-0.2921	0.368922
Gm15911	chr13:55602181-55604783	6.9392	6.0629	-0.1948	0.041769
Snord21	chr5:107904554-107904648	98.8068	87.1751	-0.1807	0.271925
Mcm5	chr8:75109527-75128439	15.0956	14.0435	-0.1042	0.353916
Hmmr	chr11:40701394-40733422	0.8773	1.1568	0.3991	0.402590
Znrf2	chr6:54816915-54893500	72.7780	69.3219	-0.0702	0.324615
Atp6ap1	chrX:74297096-74304721	46.0310	43.8179	-0.0711	0.338508
Gm26723	chr12:100208987-100209814	29.3458	26.5596	-0.1439	0.327703
Kpna2-ps	chr17:47620770-47622339	13.8183	12.5202	-0.1423	0.359109
Ppp6r3	chr19:3454932-3575749	59.4821	63.1877	0.0872	0.047023
Traj39	chr14:54179961-54180024	74.1347	61.3458	-0.2732	0.288195
Ythdf2	chr4:132184911-132212303	20.1710	21.8298	0.1140	0.116665
Atmin	chr8:116943392-116960445	9.9966	9.3604	-0.0949	0.376315
Mapkbp1	chr2:119972698-120027408	3.1551	3.5444	0.1679	0.269431
Arfrp1	chr2:181357689-181365404	18.1624	19.6033	0.1101	0.104041
Il12rb1	chr8:70808448-70821424	3.1467	3.9249	0.3188	0.378958
Prdx3	chr19:60864050-60874556	48.9556	45.9670	-0.0909	0.290216
Bach2it1	chr4:32251760-32265835	13.1216	16.1246	0.2973	0.352899
Clk2	chr3:89164794-89176921	21.9287	21.0778	-0.0571	0.210102
Bckdk	chr7:127904081-127909664	15.8636	14.8348	-0.0967	0.332671
Ing1	chr8:11556065-11563250	21.8877	20.7106	-0.0797	0.263684
Gse1	chr8:120230535-120581390	6.9993	8.0272	0.1977	0.387319
Lpgat1	chr1:191717833-191784255	5.1208	5.6541	0.1429	0.232966
Nfya	chr17:48386884-48409906	7.5907	8.4574	0.1560	0.275332
Gm16286	chr18:80206764-80212741	41.4587	39.7850	-0.0595	0.221911
Plcg1	chr2:160731299-160775760	76.4137	73.5682	-0.0547	0.364742
Pnlsr	chr4:21847582-21876475	43.4442	46.2939	0.0917	0.073458
Myo6	chr9:80165030-80311729	27.5248	22.2573	-0.3065	0.349173
Gm17200	chr9:123678095-123701046	3.9049	4.4944	0.2029	0.124074
Gm16675	chr8:46730971-46739515	5.9784	6.9739	0.2222	0.232354
Zdhhc8	chr16:18220753-18235136	9.1359	8.4492	-0.1127	0.406193
Fbxo11	chr17:87990858-88065291	21.3383	23.1302	0.1163	0.197611
Dnajc5	chr2:181520484-181555133	41.2015	39.7089	-0.0532	0.279128
BC017158	chr7:128271378-128298170	6.3878	5.9643	-0.0990	0.330288
Hps6	chr19:46003477-46006173	8.1493	7.6081	-0.0992	0.087632
Wdr38	chr2:38997475-39006168	2.8248	2.3932	-0.2392	0.371720
Pfn1	chr11:70651849-70654644	396.6742	371.1641	-0.0959	0.392684
Mmd	chr11:90187683-90278589	6.0446	6.8443	0.1793	0.343835

<i>Cep131</i>	chr11:120064429-120086827	1.8135	2.0915	0.2058	0.064303
<i>NA</i>	chr10:22113049-22149270	2.0356	1.7400	-0.2264	0.130320
<i>Taok1</i>	chr11:77529161-77607815	29.6281	31.8788	0.1056	0.170359
<i>Fyn</i>	chr10:39368854-39565381	87.1500	94.2166	0.1125	0.197987
<i>Mief2</i>	chr11:60728397-60732951	9.3243	8.6480	-0.1086	0.312375
<i>Dtnb</i>	chr12:3572380-3781796	5.5822	6.0346	0.1124	0.067395
<i>Coq6</i>	chr12:84361656-84373796	7.4118	6.8662	-0.1103	0.255033
<i>Eij5</i>	chr12:111538100-111546753	78.9471	83.8629	0.0871	0.055319
<i>Hadhb</i>	chr5:30155247-30184593	6.1026	6.6603	0.1262	0.121118
<i>Cox6a1</i>	chr5:115345641-115348981	96.9251	88.8925	-0.1248	0.386762
<i>Cep44</i>	chr8:56531521-56551047	6.6721	6.2196	-0.1013	0.001328
<i>Rfxank</i>	chr8:70130811-70139197	13.5792	12.6940	-0.0973	0.370700
<i>Wdr13</i>	chrX:8123300-8132892	12.1244	11.4236	-0.0859	0.349993
<i>Tatdn1</i>	chr15:58890152-58933730	8.2129	9.2491	0.1714	0.070738
<i>Zfp623</i>	chr15:75940951-75949377	9.4676	8.7684	-0.1107	0.221799
<i>Rsl1d1</i>	chr16:11192969-11203331	58.4393	54.4092	-0.1031	0.370571
<i>Opa1</i>	chr16:29579333-29654884	18.5581	17.8266	-0.0580	0.227870
<i>Kbtbd4</i>	chr2:90904739-90911626	13.2594	12.5611	-0.0781	0.169740
<i>Tmem230</i>	chr2:132239491-132247807	5.1560	5.7606	0.1600	0.139389
<i>Smim12</i>	chr4:127243783-127247809	26.5596	24.5096	-0.1159	0.277857
<i>Cyld</i>	chr8:88697027-88751945	45.1352	47.8254	0.0835	0.070443
<i>Parl</i>	chr16:20279819-20302387	9.1770	9.9892	0.1223	0.080550
<i>Yipf5</i>	chr18:40204864-40219399	11.0918	12.3562	0.1557	0.213382
<i>Psmc5</i>	chr11:106256153-106263120	38.8301	42.8815	0.1432	0.206363
<i>Sqstm1</i>	chr11:50199365-50210827	74.5249	71.2033	-0.0658	0.299666
<i>Hnrnpdl</i>	chr5:100033576-100039664	77.3190	82.4798	0.0932	0.111908
<i>Lztf1</i>	chr9:123694415-123717625	3.1309	3.4253	0.1297	0.098879
<i>Setdb1</i>	chr3:95323524-95357202	17.7117	16.9113	-0.0667	0.315530
<i>Elmod3</i>	chr6:72565921-72598413	2.6806	3.0891	0.2046	0.182006
<i>Zbtb18</i>	chr1:177444660-177450760	12.4629	11.7075	-0.0902	0.324218
<i>Ints6</i>	chr14:62676329-62761112	23.4826	22.0008	-0.0940	0.373385
<i>Acadm</i>	chr3:153922356-153944632	16.7785	15.7788	-0.0886	0.248844
<i>Cep85l</i>	chr10:53278080-53379851	3.2509	3.8163	0.2313	0.279524
<i>Cnep1r1</i>	chr8:88118768-88135110	7.2667	8.0015	0.1390	0.141669
<i>Ano10</i>	chr9:122175878-122294374	14.0075	12.9423	-0.1141	0.389998
<i>Abca1</i>	chr4:53030786-53159895	5.2416	6.5154	0.3139	0.268736
<i>Dhrs7b</i>	chr11:60830630-60860195	5.6016	5.1326	-0.1262	0.241519
<i>Anapc11</i>	chr11:120598420-120608198	7.2348	6.6963	-0.1116	0.345212
<i>Gm20531</i>	chr6:124732167-124738040	32.1014	30.1244	-0.0917	0.302807
<i>Nxt2</i>	chrX:142226769-142239692	1.8650	2.2132	0.2470	0.228991
<i>Nr4a1</i>	chr15:101266845-101274792	15.6855	17.5245	0.1599	0.271706
<i>Ncoa4</i>	chr14:32159864-32179855	2.7033	3.0235	0.1615	0.031170
<i>Uchl5</i>	chr1:14377277-143807466	11.6750	13.2215	0.1795	0.238119
<i>Fbxo32</i>	chr15:58175878-58214892	6.9481	7.6302	0.1351	0.217580
<i>Cdip1</i>	chr16:4750347-4790292	15.8067	16.9769	0.1030	0.113404
<i>Tmem150a</i>	chr6:72355446-72359762	4.0824	4.7526	0.2193	0.137179
<i>Pkd1l3</i>	chr8:109614516-109672592	3.2063	2.9854	-0.1030	0.121240
<i>Slc31a2</i>	chr4:62262561-62298411	9.8980	9.2172	-0.1028	0.095922
<i>Fam122b</i>	chrX:53243414-53269805	1.5267	1.7747	0.2172	0.116694
<i>Abcb6</i>	chr1:75171716-75180392	1.3939	1.6682	0.2591	0.303796
<i>Rdh13</i>	chr7:4424769-4445649	2.6378	2.4427	-0.1108	0.150401
<i>Rps13</i>	chr7:116331506-116334190	8.4628	7.2625	-0.2207	0.140986
<i>Rpl31-ps8</i>	chr15:90764245-90764679	29.1368	24.9269	-0.2251	0.358416
<i>Gm16229</i>	chr10:12766388-127665484	20.3007	18.9085	-0.1025	0.256929
<i>Itpk1</i>	chr12:102568581-102704929	13.7591	14.9993	0.1245	0.164307
<i>Poc5</i>	chr13:96388293-96415587	13.7034	12.8439	-0.0935	0.284018
<i>Ppm1d</i>	chr11:85311243-85347066	15.3264	14.5209	-0.0779	0.243984
<i>Tmem168</i>	chr6:13580686-13608100	18.0244	17.0983	-0.0761	0.315302
<i>Gm6180</i>	chr8:42246910-42247411	17.2383	20.7636	0.2684	0.312654
<i>Sertad2</i>	chr11:20543252-20653021	9.4386	10.3608	0.1345	0.242592
<i>Snd1</i>	chr6:28475138-28935162	19.8942	19.1475	-0.0552	0.360272
<i>1110002L01Rik</i>	chr12:3403877-3427011	6.3999	6.0129	-0.0900	0.071290
<i>Atg2a</i>	chr19:6241667-6262335	9.2961	10.6240	0.1926	0.393229
<i>Slc25a16</i>	chr10:62920632-62946498	5.8555	5.4501	-0.1035	0.277628
<i>Gm21970</i>	chr16:91391720-91419451	40.5096	37.8922	-0.0964	0.321211
<i>Gm7008</i>	chr12:40222757-40229184	6.6575	5.9650	-0.1585	0.252272
<i>Polr2f</i>	chr15:79141350-79151774	35.0936	31.8640	-0.1393	0.314801
<i>Tctn1</i>	chr5:122241286-122264460	8.8078	8.2228	-0.0991	0.330422
<i>Med14</i>	chrX:12675368-12762073	13.0134	14.0584	0.1114	0.186639
<i>D3Erd254e</i>	chr3:36159521-36170335	3.1443	3.4786	0.1458	0.117067
<i>Rpl27a</i>	chr7:109519146-109522367	22.5171	21.2379	-0.0844	0.292266

<i>Ptbp2</i>	chr3:119718741-119783388	14.7814	15.9791	0.1124	0.094756
<i>Tnfrsf8</i>	chr4:63831307-63861347	33.7880	38.2208	0.1778	0.381838
<i>Slc4a8</i>	chr15:100761746-100823968	0.8491	0.9657	0.1857	0.173291
<i>Prorsd1</i>	chr11:29511756-29515033	6.8976	7.7463	0.1674	0.141049
<i>U2surp</i>	chr9:95456893-95511996	28.3234	30.3752	0.1009	0.131677
<i>2810002D19Rik</i>	chr2:94406150-94411682	7.0199	6.3668	-0.1409	0.266016
<i>Gas8</i>	chr8:123518834-123536649	4.0405	3.5175	-0.2000	0.261840
<i>Hk1</i>	chr10:62268854-62379908	18.7310	20.1877	0.1080	0.165996
<i>Pcna</i>	chr2:132249161-132253314	35.3975	33.2137	-0.0919	0.325717
<i>Chmp1a</i>	chr8:123204263-123212763	29.2678	27.6316	-0.0830	0.339937
<i>Cyth4</i>	chr15:78597046-78622019	70.8540	68.4029	-0.0508	0.173809
<i>Celf2</i>	chr2:6539693-7509563	8.7623	9.3436	0.0927	0.111551
<i>Mief1</i>	chr15:80234079-80253366	14.3538	13.7066	-0.0666	0.304220
<i>4930565N06Rik</i>	chr16:36880518-36897189	1.7818	2.3034	0.3705	0.404532
<i>Wsb1</i>	chr11:79239371-79254671	21.0875	22.5553	0.0971	0.050483
<i>Aspscr1</i>	chr11:120672972-120709447	12.4368	11.8402	-0.0709	0.279703
<i>Zfp874a</i>	chr13:67424548-67451624	6.3616	7.0687	0.1521	0.247266
<i>Slc25a13</i>	chr6:6041217-6217118	1.6059	1.9465	0.2775	0.286743
<i>E330009J07Rik</i>	chr6:40401374-40436135	19.0743	18.0011	-0.0835	0.365996
<i>Gm26628</i>	chr6:71961144-71963775	5.8114	5.2003	-0.1603	0.280581
<i>Lyrn5</i>	chr6:145211133-145216939	10.2456	11.2851	0.1394	0.158586
<i>Prpf40b</i>	chr15:99259086-99317018	3.1114	3.5322	0.1830	0.250037
<i>Noc3l</i>	chr19:38788127-38819237	11.6390	11.0981	-0.0687	0.039203
<i>Hnrnpu</i>	chr1:178323073-178337797	150.7286	160.9655	0.0948	0.108514
<i>Srpk2</i>	chr5:23503355-23616571	26.2893	25.2144	-0.0602	0.244071
<i>Rnf4</i>	chr5:34336288-34355629	26.1654	25.2793	-0.0497	0.176818
<i>Trbv4</i>	chr6:41059442-41059881	67.6958	75.5428	0.1582	0.216471
<i>Rad23a</i>	chr8:84834018-84840665	40.5419	38.1073	-0.0893	0.364610
<i>Fem1b</i>	chr9:62791831-62811648	21.1846	20.4580	-0.0504	0.213928
<i>Ccpg1</i>	chr9:72985428-73016340	24.7687	23.7949	-0.0579	0.317633
<i>Lmf1</i>	chr17:25579173-25662826	1.4135	1.5974	0.1764	0.250800
<i>Lonp1</i>	chr17:56614300-56626903	30.7708	29.3471	-0.0683	0.350426
<i>Vps13a</i>	chr19:16616762-16780822	38.1375	40.6264	0.0912	0.121325
<i>Arl8b</i>	chr6:108783058-108823723	32.6426	31.0698	-0.0712	0.263693
<i>Gm7964</i>	chr7:83755903-83757356	6.3731	7.2410	0.1842	0.091370
<i>2810417H13Rik</i>	chr9:65890236-65903266	1.6534	2.0717	0.3253	0.401407
<i>Mterf4</i>	chr1:93299210-93305915	6.1591	5.7659	-0.0952	0.227298
<i>Hist2h2bb</i>	chr3:96269720-96279001	35.8877	44.5396	0.3116	0.280577
<i>Gm26790</i>	chr7:35772377-35779168	8.5323	9.4454	0.1467	0.109116
<i>C2cd2l</i>	chr9:44309236-44320282	5.8771	5.3199	-0.1437	0.430349
<i>Slc12a6</i>	chr2:112265824-112363163	28.4576	30.5990	0.1047	0.216794
<i>Trmt10a</i>	chr3:138143447-138159821	1.5715	1.7672	0.1693	0.094698
<i>Sfswap</i>	chr5:129501230-129571383	31.7969	30.2539	-0.0718	0.369706
<i>2700029M09Rik</i>	chr8:60890417-60907580	13.7448	15.4259	0.1665	0.253004
<i>Zpr1</i>	chr9:46273063-46282643	25.2794	24.2196	-0.0618	0.221709
<i>Arfgef2</i>	chr2:166805587-166898052	11.0735	11.9314	0.1076	0.153996
<i>Pydc3</i>	chr1:173673674-173698392	36.5835	39.2096	0.1000	0.155239
<i>Prss12</i>	chr3:123446912-123506602	2.1122	2.5204	0.2549	0.195837
<i>Drg2</i>	chr11:60454590-60468754	16.0221	15.1099	-0.0846	0.271089
<i>Lrrc45</i>	chr11:120713924-120721128	13.6156	12.7487	-0.0949	0.344690
<i>Sec23a</i>	chr12:58958382-59012017	12.7717	12.0374	-0.0854	0.316985
<i>Camkk2</i>	chr5:122731172-122779410	9.2724	8.6634	-0.0980	0.336976
<i>Abhd11</i>	chr5:135009151-135012175	17.6151	16.4502	-0.0987	0.310653
<i>Pcolce</i>	chr5:137605102-137613784	3.4203	3.1124	-0.1361	0.261341
<i>Mrps25</i>	chr6:92169524-92184033	20.0913	19.2362	-0.0627	0.354386
<i>Mboat7</i>	chr7:3677789-3693523	6.7959	7.3992	0.1227	0.203363
<i>Apoe</i>	chr7:19696108-19699166	4.3750	5.5943	0.3547	0.453063
<i>Rab11fip1</i>	chr8:27138772-27174646	7.8154	7.4219	-0.0745	0.322745
<i>Fto</i>	chr8:91313531-91668439	3.7366	4.2274	0.1780	0.367191
<i>Sin3a</i>	chr9:57072039-57128366	28.0041	30.2990	0.1136	0.204445
<i>Cep162</i>	chr9:87189572-87255536	4.0134	4.3695	0.1226	0.103283
<i>Sat1</i>	chrX:155213131-155216449	32.8748	36.0116	0.1315	0.237984
<i>Drosha</i>	chr15:12824814-12935290	8.0761	7.6821	-0.0722	0.230956
<i>Matn2</i>	chr15:34306679-34436242	1.5470	1.8548	0.2618	0.302301
<i>Traj2</i>	chr14:54217835-54217901	108.9495	127.6933	0.2290	0.239303
<i>Ifnar1</i>	chr16:91485237-91507441	51.4024	49.7247	-0.0479	0.326043
<i>Actr3</i>	chr1:125392904-125435727	143.7812	135.4918	-0.0857	0.377182
<i>Slamf6</i>	chr1:171917536-171943868	76.2826	84.1582	0.1417	0.314064
<i>Mfap1b</i>	chr2:121460234-121474067	5.6459	6.3003	0.1582	0.198018
<i>Edem2</i>	chr2:155701676-155729475	17.2040	16.2445	-0.0828	0.365101
<i>Uckl1</i>	chr2:181569148-181584892	21.9267	20.8698	-0.0713	0.335680

<i>Gm128</i>	chr3:95236919-95241598	3.6256	4.2643	0.2341	0.239062
<i>lfi44</i>	chr3:151730921-151749947	0.7203	1.3247	0.8791	0.358152
<i>Ubxn2b</i>	chr4:6191097-621688	6.4810	6.1525	-0.0750	0.134173
<i>Tln1</i>	chr4:43531518-43562691	115.8090	111.2943	-0.0574	0.374351
<i>Ago1</i>	chr4:126435011-126468583	9.5968	10.5425	0.1356	0.256533
<i>Cry1</i>	chr10:85131701-85185054	17.4414	16.2496	-0.1021	0.376485
<i>Rab10os</i>	chr12:3235503-3250377	12.3937	13.4670	0.1198	0.169804
<i>Aaed1</i>	chr13:64291835-64312710	27.3937	24.8406	-0.1411	0.369687
<i>Polr1a</i>	chr6:71909052-71979356	28.3797	27.1358	-0.0647	0.352281
<i>Spast</i>	chr17:74338986-74391113	19.4042	18.2087	-0.0917	0.399424
<i>Gm16541</i>	chr19:42536849-42563108	10.4820	11.9332	0.1871	0.015578
<i>Ivns1abp</i>	chr1:151344497-151364445	69.9632	66.5423	-0.0723	0.361457
<i>Runx3</i>	chr4:135120651-135177990	3.2109	3.7102	0.2085	0.325149
<i>Snora70</i>	chrX:74272483-74272620	30.3362	35.9198	0.2437	0.031899
<i>Cant1</i>	chr11:118406288-118419086	17.3845	16.4932	-0.0759	0.379367
<i>Ngfrap1</i>	chrX:136270252-136271978	18.5372	21.1039	0.1871	0.276393
<i>Cog1</i>	chr11:113649168-113667054	18.3001	17.4946	-0.0649	0.323069
<i>Narf</i>	chr11:121237252-121255856	17.8661	16.6552	-0.1012	0.404303
<i>Zfp810</i>	chr9:22276747-22307638	12.7106	14.0593	0.1455	0.246240
<i>1110059E24Rik</i>	chr19:21581201-21652976	6.2150	7.0929	0.1906	0.309061
<i>Gm16586</i>	chr1:178321107-178324171	93.5333	88.9798	-0.0720	0.372278
<i>Pma5</i>	chr3:108256925-108279974	9.9750	8.8616	-0.1707	0.313116
<i>2310033P09Rik</i>	chr11:59208320-59210738	22.7750	21.4235	-0.0883	0.175684
<i>Ntan1</i>	chr16:13819250-13835451	31.4335	29.5576	-0.0888	0.339415
<i>Prkd3</i>	chr17:78949404-79020816	20.4372	19.3366	-0.0799	0.381845
<i>Aida</i>	chr1:183297059-183324501	8.3835	9.2938	0.1487	0.227779
<i>Pdp1</i>	chr4:11958183-11966452	7.0449	7.8074	0.1483	0.229962
<i>Faf1</i>	chr4:109676587-109963960	15.9885	15.2698	-0.0663	0.211393
<i>Sec23ip</i>	chr7:128744869-128784836	19.5069	18.7809	-0.0547	0.180438
<i>Aaas</i>	chr15:102338246-102350759	18.6641	17.5125	-0.0919	0.259652
<i>Gm4876</i>	chr6:17065009-17171833	5.1557	5.8843	0.1907	0.296054
<i>Tdg</i>	chr10:82629827-82650799	1.8457	2.0964	0.1838	0.103360
<i>A230072E10Rik</i>	chrX:151291973-151344846	2.9026	2.6751	-0.1177	0.273172
<i>Gbp9</i>	chr5:105078393-105139539	73.4499	80.7863	0.1373	0.306012
<i>Gps2</i>	chr11:69913887-69916591	50.9737	48.7406	-0.0646	0.209475
<i>Arhgap27os3</i>	chr11:103344752-103350124	14.6502	16.3223	0.1559	0.309641
<i>Isca1</i>	chr13:59755408-59769810	3.7983	4.3007	0.1792	0.225890
<i>Scarna10</i>	chr6:125186358-125186683	3821.5951	3460.9124	-0.1430	0.434294
<i>Zfp59</i>	chr7:27842854-27855086	4.7816	4.2012	-0.1867	0.347436
<i>6030458C11Rik</i>	chr15:12808176-12824657	13.8363	13.2370	-0.0639	0.119917
<i>Pdia3</i>	chr2:121413774-121438687	76.2237	81.1938	0.0911	0.109442
<i>Stard3nl</i>	chr13:19357676-19395752	10.2059	9.2546	-0.1412	0.248226
<i>Nxt1</i>	chr2:148672600-148676027	13.5270	12.3360	-0.1330	0.227150
<i>Kat2a</i>	chr11:100704745-100712465	14.8243	14.0735	-0.0750	0.263085
<i>Mndal</i>	chr1:173857220-173942491	173.6654	187.7346	0.1124	0.240377
<i>Gm4759</i>	chr7:106421549-106441073	96.5198	104.0677	0.1086	0.244253
<i>Dclre1b</i>	chr3:103800604-103809444	4.2007	4.5711	0.1219	0.085621
<i>Ube4bos1</i>	chr4:149347884-149365277	2.8178	3.2512	0.2064	0.152479
<i>Eml2</i>	chr7:19176420-19206482	4.3369	4.8606	0.1645	0.207108
<i>Josd1</i>	chr15:79674249-79687872	10.1784	9.6188	-0.0816	0.135689
<i>Ccdc64</i>	chr5:115648174-115731621	25.1597	24.1880	-0.0568	0.332111
<i>Sbp</i>	chr5:33634951-33652574	12.3254	11.4659	-0.1043	0.361516
<i>Vamp5</i>	chr6:72368048-72380468	3.9738	4.6368	0.2226	0.203573
<i>Rbbp6</i>	chr7:122965685-123002557	22.8091	24.7356	0.1170	0.233773
<i>Rfc4</i>	chr16:23113942-23127737	9.3495	10.6512	0.1881	0.266930
<i>Hif1a</i>	chr12:73901374-73947530	44.1856	53.4276	0.2740	0.304651
<i>Cdc42ep4</i>	chr11:113726849-113751881	2.1461	1.8993	-0.1762	0.271146
<i>Tgtp1</i>	chr11:48985326-48994172	29.5418	27.7653	-0.0895	0.400209
<i>Kif13b</i>	chr14:64652530-64806296	11.6032	12.8162	0.1434	0.310088
<i>Zfp39</i>	chr11:58888152-58904225	12.1058	13.3508	0.1412	0.233344
<i>Myo5a</i>	chr9:75071014-75223688	2.7555	3.0494	0.1462	0.265871
<i>Gsr</i>	chr8:33652522-33698163	14.5237	13.6570	-0.0888	0.267929
<i>Erp29</i>	chr5:121428589-121452506	12.1034	11.6111	-0.0599	0.223405
<i>Spata13</i>	chr14:60634000-60764556	49.0146	46.9506	-0.0621	0.406261
<i>Slc4a1ap</i>	chr5:31526994-31554042	15.9619	15.3297	-0.0583	0.115070
<i>E430025E21Rik</i>	chr15:59331997-59374167	14.5817	15.6310	0.1003	0.058860
<i>Fam102a</i>	chr2:32535331-32569756	53.9595	51.1032	-0.0785	0.437255
<i>Hrh2</i>	chr13:54192128-5422432	3.7000	4.2838	0.2113	0.280585
<i>Hdhd2</i>	chr18:76930125-76972902	9.4026	8.7535	-0.1032	0.338837
<i>Ccdc97</i>	chr7:25711105-25719088	6.7131	7.5199	0.1637	0.283282
<i>Egr2</i>	chr10:67535474-67542188	10.5919	11.7953	0.1553	0.287154

<i>Ogdh</i>	chr11:6291632-6356642	34.3348	37.0947	0.1115	0.228769
<i>Man2b2</i>	chr5:36806920-36830653	11.3260	12.6226	0.1564	0.317730
<i>Gosr1</i>	chr11:76726601-76763579	23.4032	22.4601	-0.0593	0.213977
<i>Napa</i>	chr7:16098457-16117975	25.2909	24.1916	-0.0641	0.251647
<i>Klf7</i>	chr1:64029446-64122282	7.6056	8.4076	0.1446	0.293961
<i>Trmt11</i>	chr10:30534224-30600749	10.7922	11.9849	0.1512	0.240035
<i>Z310022B05Rik</i>	chr8:124635765-124663369	1.3256	1.5893	0.2617	0.197874
<i>Pttg1</i>	chr11:43420249-43426251	15.9531	17.7539	0.1543	0.252797
<i>Sgcb</i>	chr5:73632748-73647713	3.5657	4.0095	0.1692	0.165855
<i>Il17ra</i>	chr6:120463196-120483727	100.8760	95.7385	-0.0754	0.463675
<i>Ncstn</i>	chr1:172066012-172082795	14.1480	15.3670	0.1192	0.203471
<i>Nek3</i>	chr8:22128282-22166435	4.2775	3.8533	-0.1506	0.144007
<i>Mars2</i>	chr1:55237176-55240058	15.7773	14.8855	-0.0839	0.332201
<i>Mrps11</i>	chr7:78783118-78792989	6.7565	6.1861	-0.1273	0.220046
<i>Rbmx1</i>	chr8:78505270-78508928	3.4168	3.9670	0.2154	0.110965
<i>B3gnt5</i>	chr16:19760207-19772753	4.8041	5.4003	0.1688	0.302811
<i>Alas1</i>	chr9:106233454-106248126	7.3654	6.9251	-0.0889	0.222389
<i>Wdr36</i>	chr18:32837224-32866420	28.5861	27.2068	-0.0713	0.299676
<i>Arsk</i>	chr13:76060421-76098660	3.5316	3.2703	-0.1109	0.231995
<i>Emilin1</i>	chr5:30913401-30921278	1.1897	1.4003	0.2351	0.200416
<i>Impdh1</i>	chr6:29200433-29216364	29.7528	27.9874	-0.0883	0.391633
<i>Cic</i>	chr7:25267703-25294159	9.5739	10.9401	0.1924	0.418359
<i>Lrrc51</i>	chr7:101912983-101933895	4.1487	4.9266	0.2479	0.205410
<i>Mrpl23</i>	chr7:142532798-142540747	2.7220	2.3714	-0.1989	0.073620
<i>1190002N15Rik</i>	chr9:94517863-94538081	8.7052	8.1664	-0.0922	0.307677
<i>Gm17638</i>	chr15:77961673-77967126	25.7104	24.6605	-0.0601	0.276586
<i>Cyp4f13</i>	chr17:32924687-32947402	7.6343	8.5853	0.1694	0.273667
<i>Pgap1</i>	chr1:54472999-54557684	9.1339	8.5807	-0.0901	0.396120
<i>Tsc1</i>	chr2:28641227-28691167	7.9783	7.5817	-0.0736	0.395154
<i>Dcaf10</i>	chr4:45342100-45379759	6.9941	7.5698	0.1141	0.133904
<i>Toe1</i>	chr4:116794309-116807640	16.0471	15.2702	-0.0716	0.177747
<i>Tmed4</i>	chr11:6270368-6274870	17.8163	16.8376	-0.0815	0.228728
<i>Mrps17</i>	chr5:129715496-129718875	25.7715	23.7780	-0.1162	0.375275
<i>Fam32a</i>	chr8:72219729-72223764	59.3973	55.1512	-0.1070	0.409514
<i>Nme3</i>	chr17:24896499-24897522	21.3957	19.4139	-0.1402	0.362639
<i>Rnf168</i>	chr16:32277458-32301434	15.2139	14.4536	-0.0740	0.290291
<i>Rps6kc1</i>	chr1:190700201-190911770	1.5565	1.7745	0.1891	0.287654
<i>Ybx1</i>	chr4:119277980-119294604	67.9817	63.5655	-0.0969	0.390998
<i>Coasy</i>	chr11:101082564-101086619	9.2157	8.6628	-0.0893	0.181144
<i>Oxr1</i>	chr15:41447481-41861048	23.3220	21.9196	-0.0895	0.373528
<i>Sag</i>	chr1:87803679-87845158	0.9509	1.1087	0.2215	0.259442
<i>Actg1</i>	chr11:120345689-120348542	14.2478	13.3657	-0.0922	0.311175
<i>Dbr1</i>	chr9:99575798-99584463	15.5250	14.5707	-0.0915	0.264235
<i>Mark2</i>	chr19:7275395-7341860	17.0526	18.8257	0.1427	0.327038
<i>Cd226</i>	chr18:89197430-89270201	40.1963	37.7902	-0.0891	0.376865
<i>Rpl18a</i>	chr8:70894721-70897443	60.0983	67.3754	0.1649	0.321553
<i>Cramp1l</i>	chr17:24961227-25015230	5.4457	6.1263	0.1699	0.359202
<i>Kansl2</i>	chr15:98518820-98534244	6.2664	5.7442	-0.1255	0.214702
<i>Traf3ip1</i>	chr1:91494667-91529303	3.8539	4.2990	0.1577	0.094363
<i>Gorasp1</i>	chr9:119925672-119937558	7.3224	8.0205	0.1314	0.099297
<i>Jmjd4</i>	chr11:59450044-59458567	7.4482	7.0903	-0.0710	0.299238
<i>Abcd1</i>	chrX:73716596-73738534	9.6524	10.7628	0.1571	0.315459
<i>NA</i>	chr15:76721465-76723845	12.2224	11.2938	-0.1140	0.298750
<i>Dgcr14</i>	chr16:17900710-17911348	17.7066	16.8949	-0.0677	0.223615
<i>Skap1</i>	chr11:96464592-96759130	57.7979	55.0695	-0.0698	0.366923
<i>Zmynd8</i>	chr2:165784151-165899016	12.1333	13.1834	0.1197	0.278361
<i>mt-Te</i>	chrM:14070-14139	52.9137	63.0083	0.2519	0.032390
<i>Uchl3</i>	chr14:101653966-101696124	17.2293	19.4788	0.1770	0.284043
<i>Elmo1</i>	chr13:20090506-20608353	17.9729	19.6300	0.1272	0.323248
<i>Rsrc2</i>	chr5:123728425-123749414	38.1245	36.5761	-0.0598	0.339599
<i>Kntc1</i>	chr5:123749725-123821593	0.7502	0.9010	0.2642	0.305679
<i>Tirap</i>	chr9:35184550-35200291	0.7538	0.9212	0.2894	0.256007
<i>Mtdh</i>	chr15:34082693-34142386	14.8051	15.7237	0.0868	0.074336
<i>Tnks2</i>	chr19:36834231-36893477	53.9414	51.8121	-0.0581	0.351264
<i>AU022252</i>	chr4:119203569-119232712	4.1898	3.9459	-0.0865	0.345034
<i>Fbxl12</i>	chr9:20618117-20644767	9.6326	10.5656	0.1334	0.239395
<i>Tubg1</i>	chr11:101119937-101126419	6.1877	5.5925	-0.1459	0.328203
<i>Alg8</i>	chr7:97371605-97392153	3.8419	3.4439	-0.1577	0.313434
<i>Gpr108</i>	chr17:57234913-57247641	26.0375	24.8598	-0.0668	0.278582
<i>Yars2</i>	chr16:16302964-16309640	8.1902	7.6956	-0.0899	0.123082
<i>Ltbp3</i>	chr19:5740903-5758532	1.2589	1.0803	-0.2208	0.341172

<i>Dctn3</i>	chr4:41714797-41723170	29.0355	26.8391	-0.1135	0.327924
<i>Vapb</i>	chr2:173737510-173784336	8.7992	8.3948	-0.0679	0.204591
<i>Snord32a</i>	chr7:45127381-45127464	103.4985	92.0021	-0.1699	0.296021
<i>Atr</i>	chr9:95857596-95951644	19.0085	18.1602	-0.0659	0.367632
<i>Ogg1</i>	chr6:113326971-113335068	6.5555	6.0252	-0.1217	0.076411
<i>Zdhhc6</i>	chr19:55298300-55316032	18.6454	17.6920	-0.0757	0.269660
<i>Gm2000</i>	chr1:156366039-156366484	9.9768	7.9293	-0.3314	0.417517
<i>Emc4</i>	chr2:112363010-112368027	14.3818	16.0022	0.1540	0.131005
<i>Daam1</i>	chr12:71831077-71992367	5.5545	6.0237	0.1170	0.095515
<i>Btbd10</i>	chr7:113315625-113369392	5.0076	4.6554	-0.1052	0.324480
<i>Agpat5</i>	chr8:18846276-18891361	3.0301	2.8627	-0.0820	0.220111
<i>Rchy1</i>	chr5:91948903-91963068	17.6494	18.9631	0.1036	0.039364
<i>Psmc8</i>	chr7:29174187-29180701	90.1746	82.7703	-0.1236	0.420531
<i>Zfp84</i>	chr7:29768551-29779821	18.9202	17.9112	-0.0791	0.311439
<i>Podnl1</i>	chr8:84125988-84132527	5.9163	8.4449	0.5134	0.331613
<i>U2af1</i>	chr17:31647081-31658754	21.4609	23.6479	0.1400	0.166963
<i>Pacs1</i>	chr19:5133687-5273119	15.4944	17.2323	0.1534	0.345995
<i>Prex1</i>	chr2:166566341-166713832	31.1593	34.0579	0.1283	0.309143
<i>Snx16</i>	chr3:10417818-10440124	2.2911	2.6613	0.2161	0.131008
<i>Eci2</i>	chr13:34977747-35027094	13.6856	12.8336	-0.0927	0.323782
<i>Snx13</i>	chr12:35047188-35147469	8.3559	9.0669	0.1178	0.212240
<i>Pgam5</i>	chr5:110259129-110269913	25.5090	24.0003	-0.0880	0.364943
<i>Ecsit</i>	chr9:22072245-22085438	22.3608	21.0662	-0.0860	0.297737
<i>Zfp599</i>	chr9:22247429-22259895	3.5008	3.9264	0.1655	0.131578
<i>Snx3</i>	chr10:42502029-42535381	48.2643	44.3722	-0.1213	0.408939
<i>Lsm1</i>	chr8:25785590-25803975	12.9333	12.0809	-0.0984	0.268572
<i>Ppm1m</i>	chr9:106194171-106199746	22.1900	21.2669	-0.0613	0.255068
<i>Gm11579</i>	chr1:60776664-60781834	7.7958	9.1065	0.2242	0.198111
<i>Cat</i>	chr2:103453848-103485160	39.8346	37.9436	-0.0702	0.314849
<i>Slc35e2</i>	chr4:155601415-155623340	17.8177	17.1852	-0.0521	0.216633
<i>P4hb</i>	chr11:120560297-120573253	79.2985	76.9537	-0.0433	0.228013
<i>Gm10135</i>	chr5:72965807-72974702	62.6921	58.1536	-0.1084	0.077564
<i>Ccdc61</i>	chr7:18890882-18910415	8.9611	8.3196	-0.1072	0.245828
<i>C130036L24Rik</i>	chr1:86359573-86373791	2.8327	2.5478	-0.1529	0.276397
<i>Rab33b</i>	chr3:51483965-51495905	17.9977	17.1256	-0.0717	0.245061
<i>Hist2h2ac</i>	chr3:96220360-96220880	71.8699	65.3277	-0.1377	0.402497
<i>Rragd</i>	chr4:32983036-33022180	1.6749	1.4923	-0.1666	0.262544
<i>5430405H02Rik</i>	chr2:156852429-156862945	5.8568	6.6981	0.1936	0.164353
<i>Gabrr2</i>	chr4:33062998-33095865	5.4184	4.8933	-0.1471	0.287206
<i>Esr1</i>	chr10:4611592-5005614	0.4886	0.5807	0.2492	0.321283
<i>Psmc2</i>	chr5:21785282-21803787	11.7200	12.7383	0.1202	0.181880
<i>Sfmbt1</i>	chr14:30714848-30822713	2.0470	2.2874	0.1602	0.180741
<i>Aspm</i>	chr1:139454772-139494090	0.9421	1.2834	0.4459	0.302526
<i>G3bp2</i>	chr5:92052145-92083735	62.9192	60.3130	-0.0610	0.338593
<i>Ercc1</i>	chr7:19344777-19356524	10.3519	9.7808	-0.0819	0.152398
<i>Zfp61</i>	chr7:24291038-24301232	5.1237	4.6526	-0.1391	0.343946
<i>Nrm</i>	chr17:35861317-35865402	15.7997	14.6117	-0.1128	0.345480
<i>Ufd1l</i>	chr16:18811778-18835261	17.3845	18.6719	0.1031	0.116353
<i>Etf1</i>	chr18:34902784-34932007	59.3111	56.3084	-0.0750	0.375240
<i>Gm4841</i>	chr18:60268300-60273267	1.7072	2.5837	0.5978	0.276289
<i>NA</i>	chr2:3504528-3512759	8.5604	8.0964	-0.0804	0.268981
<i>Pum1</i>	chr4:130663320-130781564	29.0397	28.1380	-0.0455	0.313726
<i>Klhl17</i>	chr4:156229043-156234857	16.9622	16.0246	-0.0820	0.358920
<i>Kri1</i>	chr9:21273457-21287971	58.6013	62.6972	0.0975	0.146411
<i>Ddx31</i>	chr2:28840405-28905571	12.5668	11.9630	-0.0710	0.234360
<i>Cracr2a</i>	chr6:127577974-127629938	13.6604	15.3340	0.1667	0.238619
<i>Sox4</i>	chr13:28948918-28953713	10.6596	9.8635	-0.1120	0.401173
<i>Glrx5</i>	chr12:105032688-105040910	26.8703	24.6995	-0.1215	0.365315
<i>Ccny</i>	chr18:9314043-9450150	41.3241	39.1509	-0.0779	0.357714
<i>Rap1gds1</i>	chr3:138925905-139075199	36.4103	38.8391	0.0932	0.065346
<i>Ptprf</i>	chr4:118208212-118291405	0.8837	0.7838	-0.1730	0.334867
<i>O610009L18Rik</i>	chr11:120348677-120351190	9.4548	8.2830	-0.1909	0.159459
<i>5031425E22Rik</i>	chr5:23431809-23433919	34.0849	32.6479	-0.0621	0.287138
<i>Gm15751</i>	chr5:123508394-123514011	11.3803	10.5327	-0.1117	0.283446
<i>Hmgb1</i>	chr5:149046701-149053513	8.1484	8.8073	0.1122	0.086751
<i>Lyrr1</i>	chr7:119895860-119916756	3.4416	3.9976	0.2160	0.084470
<i>Cdyl2</i>	chr8:116568723-116732991	6.7555	6.4125	-0.0752	0.359217
<i>Lrrc1</i>	chr9:77430822-77544059	15.2289	13.9748	-0.1240	0.413131
<i>Glipr2</i>	chr4:43957400-43979118	37.0009	34.6502	-0.0947	0.430703
<i>Nol8</i>	chr13:49653349-49679015	29.5568	28.1852	-0.0686	0.328667
<i>Acpt</i>	chr7:44252147-44257378	3.8100	3.3521	-0.1848	0.321201

<i>Gm16536</i>	chr9:45856768-45858357	5.2166	6.0162	0.2057	0.203006
<i>Ghitm</i>	chr14:37120443-37135322	43.9991	41.8014	-0.0739	0.346263
<i>Hs6st1</i>	chr1:36068399-36106446	8.9323	8.3300	-0.1007	0.409406
<i>Ankhd1</i>	chr18:36559986-36665917	37.2977	36.1941	-0.0433	0.346007
<i>Ccnd3</i>	chr17:47505050-47599691	26.8506	25.9717	-0.0480	0.337639
<i>Fam212a</i>	chr9:107984226-107985879	3.1194	3.9773	0.3505	0.384803
<i>Msmg</i>	chr4:43583215-43584494	12.6296	14.3500	0.1842	0.143581
<i>Suox</i>	chr10:128669886-128673918	20.8473	19.9128	-0.0662	0.137056
<i>G730046D07Rik</i>	chr7:126565918-126566380	13.8881	16.0105	0.2052	0.104980
<i>Rnf41</i>	chr10:128411615-128441438	14.3071	13.7060	-0.0619	0.272118
<i>Ubt1</i>	chr19:41981762-42034641	5.0748	4.5153	-0.1685	0.254665
<i>Usp8</i>	chr2:126707327-126759297	26.1284	27.9160	0.0955	0.117236
<i>Szt2</i>	chr4:118362742-118409273	8.3434	9.3585	0.1656	0.395342
<i>MIh1</i>	chr9:111228227-111271608	12.6438	11.9624	-0.0799	0.371859
<i>4930500M09Rik</i>	chr1:170214859-170215556	8.2255	7.1054	-0.2112	0.357788
<i>Rptor</i>	chr11:119602904-119899576	3.9787	4.5240	0.1853	0.416299
<i>Gsdmd</i>	chr15:75862338-75867404	60.6019	57.5814	-0.0738	0.407439
<i>Ntmt1</i>	chr2:30807825-30823033	5.7478	5.3059	-0.1154	0.251924
<i>Mocs3</i>	chr2:168230621-168232302	9.4337	8.6747	-0.1210	0.306567
<i>Serinc1</i>	chr10:57515773-57532530	31.9300	34.1659	0.0976	0.184167
<i>Sf3a2</i>	chr10:80798197-80804924	7.0562	8.0261	0.1858	0.332883
<i>Pola1</i>	chrX:93304766-93632155	3.4574	3.7705	0.1251	0.142723
<i>Gm14027</i>	chr2:129016951-129021756	8.0553	9.6896	0.2665	0.311508
<i>Atrn</i>	chr2:130906494-131030333	8.3912	8.0464	-0.0605	0.359451
<i>Gm15344</i>	chr10:86692118-86693095	40.3427	37.4213	-0.1084	0.211893
<i>Wnk1</i>	chr6:119923968-120038672	20.1131	22.1366	0.1383	0.370113
<i>Birc3</i>	chr9:7848698-7873186	27.7284	29.8383	0.1058	0.234841
<i>Ubxn1</i>	chr19:8871558-8875663	106.3473	98.6609	-0.1082	0.438483
<i>Ankrd6</i>	chr4:32804034-32950841	0.7943	0.9646	0.2803	0.323472
<i>Triap1</i>	chr5:115341224-115343569	11.9968	13.4002	0.1596	0.118541
<i>Tprkb</i>	chr6:85915737-85930284	10.8084	9.9559	-0.1185	0.396647
<i>C030039L03Rik</i>	chr7:27689339-27706484	0.9308	0.8048	-0.2098	0.184771
<i>Zfp619</i>	chr7:39517765-39540420	2.0346	2.2952	0.1738	0.227118
<i>Pdcl3</i>	chr1:38987813-38997236	19.6451	18.1453	-0.1146	0.371833
<i>A1597479</i>	chr1:43098709-43115947	12.4593	11.7543	-0.0840	0.302331
<i>Dnajb4</i>	chr3:152178510-152210279	5.3178	4.9638	-0.0994	0.251904
<i>3010026O09Rik</i>	chr11:50174443-50200115	3.4086	4.0330	0.2427	0.278110
<i>Fam179b</i>	chr12:64965741-65022573	18.6627	17.8037	-0.0680	0.437906
<i>Gm21967</i>	chr13:119606649-119610458	3.0175	2.6341	-0.1960	0.135684
<i>Orc5</i>	chr5:22486484-22550429	17.9436	19.2969	0.1049	0.100939
<i>Xrcc2</i>	chr5:25689811-25705825	1.4570	1.3150	-0.1480	0.024632
<i>Brf2</i>	chr8:27123831-27128632	7.5275	6.8583	-0.1343	0.180428
<i>Gm5617</i>	chr9:48495344-48495964	11.2447	9.7097	-0.2118	0.373448
<i>Nck1</i>	chr9:100492292-100546053	12.1979	13.1149	0.1046	0.112761
<i>Dcaf6</i>	chr1:165329510-165460465	20.9879	20.1590	-0.0581	0.161900
<i>Mpc2</i>	chr1:165461036-165481214	6.8754	6.3336	-0.1184	0.351008
<i>A330023F24Rik</i>	chr1:194976374-195037908	1.4428	1.6757	0.2159	0.369863
<i>Trub2</i>	chr2:29761223-29788502	6.9696	6.5494	-0.0897	0.385051
<i>Nup188</i>	chr2:30286396-30344266	12.1039	13.1257	0.1169	0.239139
<i>Sec62</i>	chr3:30792875-30821263	33.8277	36.4404	0.1073	0.212083
<i>Lrba</i>	chr3:86224689-86782693	29.0448	31.3896	0.1120	0.276957
<i>Masp2</i>	chr4:148602553-148615499	19.3743	20.9020	0.1095	0.191369
<i>Dr1</i>	chr5:108268896-108280526	26.3259	28.4804	0.1135	0.200131
<i>Slc38a10</i>	chr11:120103959-120151346	20.8266	19.9023	-0.0655	0.439703
<i>Arhgap19</i>	chr19:41766587-41802084	1.4912	1.7458	0.2274	0.319868
<i>Far1</i>	chr7:113513833-113571511	10.8481	11.7886	0.1199	0.256638
<i>Ppp2r1b</i>	chr9:50845300-50894229	14.6824	15.7679	0.1029	0.138264
<i>Gm14337</i>	chr2:173984481-173984691	20.7209	25.5578	0.3027	0.352599
<i>Dnajc13</i>	chr9:104151596-104262930	22.5091	24.2063	0.1049	0.229533
<i>Antxr2</i>	chr5:97882782-98030733	11.0665	11.9124	0.1063	0.166186
<i>Mkl1</i>	chr15:81012280-81190757	15.1757	16.8075	0.1473	0.365003
<i>Gng12</i>	chr6:66896396-67021350	1.8508	2.1540	0.2189	0.311826
<i>Atp1b1</i>	chr1:164437266-164458355	33.8912	32.3353	-0.0678	0.364202
<i>Aldh18a1</i>	chr19:40550256-40588463	22.0124	21.1317	-0.0589	0.329789
<i>Senp3</i>	chr11:69673114-69682084	23.6352	22.6268	-0.0629	0.334775
<i>Cmpk2</i>	chr12:26469203-26479835	7.6635	9.7302	0.3445	0.307195
<i>NA</i>	chr12:84417193-84418577	12.0748	13.4382	0.1543	0.190365
<i>Rnf113a2</i>	chr12:84417195-84418578	12.0748	13.4382	0.1543	0.190365
<i>Rcor1</i>	chr12:111039350-111115901	16.3489	17.5370	0.1012	0.161079
<i>Zfp775</i>	chr6:48613179-48623227	2.8175	3.1995	0.1834	0.227109
<i>Iqgap1</i>	chr7:80711582-80803331	85.6141	91.3951	0.0943	0.186559

<i>Nod2</i>	chr8:88647314-88688474	0.9780	1.1662	0.2538	0.261324
<i>Birc2</i>	chr9:7818235-7835255	46.3746	49.9841	0.1081	0.175917
<i>Rragb</i>	chrX:153139980-153171943	4.7228	5.3186	0.1714	0.142697
<i>Zbed4</i>	chr15:88751659-88784516	1.7770	1.5953	-0.1556	0.311247
<i>Lpar6</i>	chr14:73237890-73240358	36.9230	40.2451	0.1243	0.251569
<i>Tiam2</i>	chr17:3326572-3519397	0.6869	0.8154	0.2475	0.189004
<i>Zfp40</i>	chr17:23173868-23193252	4.7064	4.4016	-0.0966	0.218195
<i>Eci1</i>	chr17:24426682-24439316	15.5266	14.2447	-0.1243	0.318181
<i>Srsf3</i>	chr17:29032672-29043366	64.5185	62.6042	-0.0435	0.298915
<i>AY036118</i>	chr17:39848102-39848827	523.7256	478.0913	-0.1315	0.520963
<i>Nudt8</i>	chr19:4000579-4005816	3.9809	3.7016	-0.1049	0.172780
<i>Stambpl1</i>	chr19:34192228-34240333	16.4993	15.7054	-0.0711	0.363845
<i>Rbm45</i>	chr2:76369983-76383768	46.4203	44.5763	-0.0585	0.243165
<i>Dclk2</i>	chr3:86786149-86920884	1.6362	1.8712	0.1935	0.030097
<i>Gon4l</i>	chr3:88835230-88910103	14.6280	14.0355	-0.0596	0.386180
<i>Tmem104</i>	chr11:115187486-115247023	1.8191	2.0778	0.1918	0.138757
<i>Tbce</i>	chr13:13997948-14039638	21.7692	20.8108	-0.0650	0.337886
<i>4930480K23Rik</i>	chr14:69732783-69767113	2.1362	2.4287	0.1852	0.108040
<i>Dtx4</i>	chr19:12466340-12501996	1.9547	2.2947	0.2313	0.321817
<i>Ankrd39</i>	chr1:36538172-36547201	9.5958	8.7834	-0.1276	0.343926
<i>Uck1</i>	chr2:32255001-32260159	10.3672	9.7196	-0.0930	0.346011
<i>Ndufb6</i>	chr4:40270590-40279421	22.4721	25.8906	0.2043	0.351800
<i>Slc1a5</i>	chr7:16781345-16798274	51.3240	49.0196	-0.0663	0.440322
<i>Gm16861</i>	chr16:4935047-4939585	3.5347	4.1019	0.2147	0.112026
<i>Aurka</i>	chr2:172356189-172370535	2.1612	2.5586	0.2435	0.308714
<i>Milr1</i>	chr11:106751225-106768794	5.7206	6.3591	0.1527	0.139384
<i>Foxn3</i>	chr12:99194979-99450111	20.7537	22.3404	0.1063	0.184052
<i>Cand2</i>	chr6:115774537-115804893	3.5225	3.9277	0.1571	0.229037
<i>Tacc2</i>	chr7:130577483-130764784	0.5289	0.6205	0.2306	0.151423
<i>Ept1</i>	chr5:30232580-30272012	5.0320	4.7603	-0.0801	0.384097
<i>Wbscr22</i>	chr5:135052956-135064959	12.7713	12.1003	-0.0779	0.305741
<i>Mtmt14</i>	chr6:113237842-113281387	15.6496	14.9118	-0.0697	0.274582
<i>Tatdn3</i>	chr1:191045825-191062932	5.1087	4.6324	-0.1412	0.336679
<i>Mast2</i>	chr4:116306761-116464183	3.4906	3.9628	0.1831	0.355624
<i>Malsu1</i>	chr6:49073794-49086751	7.7454	8.4531	0.1261	0.100555
<i>4933434E20Rik</i>	chr3:90051635-90063341	20.1195	19.2847	-0.0611	0.269560
<i>Gm10143</i>	chr19:10198367-10202384	9.0274	8.4443	-0.0963	0.311370
<i>Vdac3</i>	chr8:22577074-22593813	10.4807	9.6629	-0.1172	0.204777
<i>Pgap3</i>	chr11:98388676-98400490	2.3516	2.0856	-0.1732	0.347795
<i>Polr3e</i>	chr7:120917743-120947432	20.0012	19.2348	-0.0564	0.308193
<i>Cox11</i>	chr11:90638172-90644931	6.4813	7.3816	0.1877	0.195316
<i>Gpr183</i>	chr14:121952330-121965193	64.2366	68.4146	0.0909	0.132694
<i>Tex261</i>	chr6:83768880-83775812	21.7977	20.9844	-0.0549	0.292324
<i>Xylt1</i>	chr7:117380978-117667751	3.2472	3.8257	0.2365	0.406556
<i>Reep5</i>	chr18:34344888-34373415	11.3759	12.4369	0.1286	0.192823
<i>Lrp8</i>	chr4:107802260-107876840	1.3067	1.1919	-0.1327	0.342809
<i>P2rx7</i>	chr5:122643910-122691432	5.7293	7.2558	0.3408	0.338208
<i>Prosc</i>	chr8:27042554-27056131	12.3947	11.8538	-0.0644	0.220103
<i>Shprh</i>	chr10:11149426-11217595	12.2589	13.0753	0.0930	0.143497
<i>Tspan31</i>	chr10:127067316-127070261	12.0291	13.4232	0.1582	0.276865
<i>Iars</i>	chr13:49682099-49734267	14.0862	15.1829	0.1082	0.204082
<i>Bst2</i>	chr8:71534263-71537437	40.0356	45.2122	0.1754	0.360669
<i>A530083I20Rik</i>	chr9:122885079-122903184	1.6962	2.0088	0.2440	0.265499
<i>Tmem164</i>	chrX:142681405-142843494	20.2900	19.4259	-0.0628	0.361635
<i>Ccdc78</i>	chr17:25786579-25790513	3.8564	4.4216	0.1973	0.076580
<i>Abcc5</i>	chr16:20331302-20426394	8.0001	8.7045	0.1217	0.276756
<i>Sp110</i>	chr1:85576898-85598817	21.1863	22.6101	0.0938	0.135668
<i>Tanc1</i>	chr2:59612041-59846149	6.5034	6.0678	-0.1000	0.462112
<i>Cep250</i>	chr2:155956457-155998900	10.9838	11.9193	0.1179	0.291390
<i>Gm11457</i>	chr2:164754241-164769666	10.1345	11.5355	0.1868	0.084349
<i>Gm16573</i>	chr14:56607260-56620513	11.7089	13.1772	0.1704	0.278943
<i>Kcnmb4os2</i>	chr10:116473162-116475319	2.2680	1.8887	-0.2640	0.400958
<i>Tbx21</i>	chr11:97098070-97115331	2.1422	3.2628	0.6070	0.311488
<i>Traj7</i>	chr14:54211469-54211528	90.0896	107.1307	0.2499	0.295289
<i>Rab37</i>	chr11:115091430-115162236	15.1296	16.2777	0.1055	0.168131
<i>6720427I07Rik</i>	chr13:48535522-48537822	37.5361	34.9702	-0.1022	0.437914
<i>Rps10-ps1</i>	chr3:95622277-95622775	26.9868	23.4596	-0.2021	0.404241
<i>Nop16</i>	chr13:54584184-54590090	8.8365	8.2486	-0.0993	0.057449
<i>Rasa2</i>	chr9:96539299-96631617	16.4895	17.9143	0.1196	0.246015
<i>Cox14</i>	chr15:99725617-99728136	31.8997	29.1987	-0.1276	0.384701
<i>Rab3ip</i>	chr10:116905783-116950380	32.7401	31.1149	-0.0735	0.375712

<i>Z310010J17Rik</i>	chr7:90124857-90129474	8.9550	10.6255	0.2468	0.222449
<i>Usp11</i>	chrX:20703905-20720539	3.2363	3.5972	0.1525	0.176272
<i>Clk4</i>	chr11:51261729-51281766	44.9903	43.0574	-0.0634	0.406709
<i>Gtf2a1</i>	chr12:91555915-91590487	8.2305	8.9836	0.1263	0.216893
<i>Gins3</i>	chr8:95633558-95645059	4.9030	4.4165	-0.1508	0.297679
<i>Hgh1</i>	chr15:76368897-76371403	7.9408	7.2462	-0.1321	0.400157
<i>Slc52a3</i>	chr2:151996510-152009258	1.6894	1.3560	-0.3171	0.436582
<i>Zyg11b</i>	chr4:108229723-108301096	31.0041	29.6694	-0.0635	0.376553
<i>Fbxw9</i>	chr8:85060054-85067124	1.3847	1.1991	-0.2077	0.300779
<i>Eif3g</i>	chr9:20894351-20898600	93.3206	88.6149	-0.0746	0.358369
<i>Itgb3bp</i>	chr4:99765401-99929813	4.6657	4.3520	-0.1004	0.259818
<i>Ints4</i>	chr7:97480955-97541397	19.4418	18.6913	-0.0568	0.116455
<i>Ndfip1</i>	chr18:38418974-38464399	111.5951	120.5544	0.1114	0.252005
<i>Lrrcc1</i>	chr3:14533787-14572658	8.3480	8.9869	0.1064	0.187558
<i>Smc2</i>	chr4:52439242-52488260	10.0326	11.1019	0.1461	0.330425
<i>Arl14ep</i>	chr2:106962526-106974424	9.8795	9.3498	-0.0795	0.337127
<i>Letmd1</i>	chr15:100469033-100479252	23.3126	22.3870	-0.0585	0.175913
<i>Ino80dos</i>	chr1:63114470-63158290	6.8303	7.6940	0.1718	0.169715
<i>H2-T10</i>	chr17:36115875-36121465	15.1202	16.2858	0.1071	0.130014
<i>Ccdc14</i>	chr16:34690615-34725194	2.1942	2.4833	0.1786	0.130526
<i>Nip7</i>	chr8:107056876-107060926	15.8477	14.8680	-0.0921	0.362683
<i>Lyz2</i>	chr10:117277333-117282274	3.8041	4.7209	0.3115	0.368468
<i>Ubfd1</i>	chr7:122067174-122082194	7.2530	6.8949	-0.0731	0.378037
<i>Phf7</i>	chr14:31237695-31251218	9.2472	8.5892	-0.1065	0.255642
<i>Gemin5</i>	chr11:58120001-58168539	11.0600	10.6552	-0.0538	0.241243
<i>Gm20033</i>	chr5:64708206-64804117	5.3550	4.8591	-0.1402	0.322800
<i>Inpp5f</i>	chr7:128611327-128696425	12.3056	13.1561	0.0964	0.187711
<i>Dazap2</i>	chr15:100615627-100620731	71.9522	79.1282	0.1372	0.308184
<i>Xdh</i>	chr17:73883907-73950182	8.7537	9.9813	0.1893	0.416774
<i>Gm20680</i>	chr15:100586095-100592037	5.3737	6.4896	0.2722	0.268659
<i>Elovl7</i>	chr13:108214403-108287105	1.2375	1.0873	-0.1866	0.308286
<i>Ubl3</i>	chr5:148504630-148552789	36.8290	34.4161	-0.0978	0.427711
<i>Cpeb4</i>	chr11:31872210-31935634	10.2043	10.9588	0.1029	0.135949
<i>Hint3</i>	chr10:30608140-30618479	13.5332	15.0588	0.1541	0.178885
<i>Tmem263</i>	chr10:85102626-85117747	6.3961	7.0836	0.1473	0.266375
<i>Rhbdd3</i>	chr11:5098925-5106093	2.0458	1.7766	-0.2035	0.316833
<i>Ahr</i>	chr12:35497973-35535038	1.0084	1.2243	0.2799	0.398858
<i>Habp4</i>	chr13:64161865-64186536	8.6653	8.0592	-0.1046	0.315102
<i>Commd8</i>	chr5:72156999-72168183	34.2306	31.9874	-0.0978	0.440965
<i>Gbp4</i>	chr5:105115766-105139586	81.2150	88.0493	0.1166	0.290953
<i>Snrpa</i>	chr7:27187004-27196271	13.0919	12.1366	-0.1093	0.392215
<i>Idh3a</i>	chr9:54586510-54604661	16.5420	18.2557	0.1422	0.301371
<i>Gm20661</i>	chr9:107983057-107995007	5.3676	4.8131	-0.1573	0.420845
<i>Rnf19a</i>	chr15:36239933-36283147	45.0627	48.8713	0.1171	0.314401
<i>Glis2</i>	chr16:4594712-4624924	0.8541	1.0277	0.2670	0.247701
<i>Fam86</i>	chr16:5244151-5255983	15.1392	14.2295	-0.0894	0.409891
<i>Gm15725</i>	chr16:37882541-37883631	29.3163	32.0176	0.1272	0.164147
<i>Runx1</i>	chr16:92601466-92826066	9.3298	10.3462	0.1492	0.351049
<i>Swi5</i>	chr2:32278815-32288075	25.5687	23.3914	-0.1284	0.444325
<i>Fam105a</i>	chr15:27655070-27681542	71.5480	68.8131	-0.0562	0.403013
<i>Dnajc18</i>	chr18:35671102-35703144	6.8143	6.3499	-0.1018	0.402113
<i>Trbj2-5</i>	chr6:41543452-41543501	207.3265	185.3825	-0.1614	0.403805
<i>Srebfp2</i>	chr15:82147265-82205376	27.6526	25.9779	-0.0901	0.485775
<i>Tubb4a</i>	chr17:57080065-57087782	2.8598	2.5427	-0.1695	0.240118
<i>Cox5b</i>	chr1:36691486-36693385	57.7524	52.8962	-0.1267	0.435033
<i>Osgpl1</i>	chr1:53313623-53326343	3.0627	3.3652	0.1359	0.096156
<i>Ptma</i>	chr1:86526735-86530698	114.4522	102.9529	-0.1528	0.467163
<i>Ubac1</i>	chr2:25998542-26021747	15.7026	14.9809	-0.0679	0.178119
<i>Gmps</i>	chr3:63976105-64022579	8.7349	9.4025	0.1063	0.214157
<i>Pacrgl</i>	chr5:48372391-48388756	3.5911	4.1544	0.2102	0.065200
<i>Tmem110</i>	chr14:30825589-30876986	6.0927	5.7473	-0.0842	0.226286
<i>Ngdn</i>	chr14:55015453-55024135	54.2716	51.0640	-0.0879	0.401997
<i>lft140</i>	chr17:25016090-25099495	5.7841	6.2374	0.1089	0.128762
<i>Ly75</i>	chr2:60292102-60383303	29.7077	28.3716	-0.0664	0.466560
<i>Zswim3</i>	chr2:164805097-164822130	3.2562	2.9241	-0.1552	0.309761
<i>Smug1</i>	chr15:103153306-103158002	7.6863	7.2452	-0.0853	0.221428
<i>Cyp20a1</i>	chr1:60343322-60388060	6.7291	6.0959	-0.1426	0.386063
<i>Gm17029</i>	chr4:148960296-148984671	2.4491	2.2743	-0.1068	0.205820
<i>Pex7</i>	chr10:19859928-19907689	7.3763	6.8237	-0.1123	0.277381
<i>Cdk10</i>	chr8:123224840-123232250	15.0760	14.0864	-0.0979	0.360452
<i>Exosc4</i>	chr15:76327396-76330677	14.8255	13.8755	-0.0955	0.299780

<i>Dock9</i>	chr14:121542038-121797734	8.5639	8.2419	-0.0553	0.237978
<i>Tlhc1</i>	chr8:119760586-119778416	5.4823	5.0385	-0.1218	0.298744
<i>Snmp25</i>	chr11:32205414-32208984	6.5732	5.8705	-0.1631	0.127195
<i>Pak4</i>	chr7:28558818-28598185	2.5716	2.3038	-0.1586	0.384875
<i>Cwc25</i>	chr11:97745480-97766556	7.1325	7.7054	0.1115	0.108975
<i>Ccp110</i>	chr7:118712551-118737024	2.3935	2.6291	0.1354	0.181282
<i>Ndst2</i>	chr14:20723738-20730327	10.1859	11.1438	0.1297	0.251244
<i>8430429K09Rik</i>	chr11:3452364-3479831	3.1507	2.8244	-0.1577	0.300396
<i>Fmn1</i>	chr11:103171106-103198901	34.7106	38.2209	0.1390	0.379383
<i>Gm17529</i>	chr12:58953094-58968011	2.2551	2.0062	-0.1687	0.287217
<i>Rdh11</i>	chr12:79174336-79192293	12.1341	11.4259	-0.0868	0.343650
<i>Cep128</i>	chr12:90998491-91384409	1.1240	1.2645	0.1700	0.254035
<i>Gm17039</i>	chr13:67360670-67365679	5.3851	5.0329	-0.0976	0.339728
<i>Slc26a1</i>	chr5:108669877-108675569	2.4973	2.8253	0.1780	0.212208
<i>Tesc</i>	chr5:118027742-118061878	24.0614	21.9196	-0.1345	0.454099
<i>Zfp316</i>	chr5:143249696-143270022	0.9683	1.1276	0.2197	0.259833
<i>Tcaim</i>	chr9:122805538-122836334	9.9022	9.3819	-0.0779	0.191258
<i>Rab11fip3</i>	chr17:25989035-26069409	3.2244	2.9965	-0.1058	0.397412
<i>Scarna6</i>	chr1:87784555-87784820	121.6975	107.9167	-0.1734	0.460734
<i>Hjurp</i>	chr1:88262470-88277633	36.6037	35.4731	-0.0453	0.403465
<i>Oser1</i>	chr2:163405821-163424697	3.0475	2.7502	-0.1481	0.222501
<i>Sap30bp</i>	chr11:115933281-115966725	18.7616	17.8187	-0.0744	0.379063
<i>Glt8d1</i>	chr14:31001392-31012441	4.3355	4.8254	0.1545	0.090119
<i>Sh2d1a</i>	chrX:42502452-42523697	14.9061	16.3367	0.1322	0.287502
<i>Dleu2</i>	chr14:61602838-61682373	6.3888	7.2462	0.1817	0.421545
<i>Fas</i>	chr19:34290658-34327770	16.8271	18.1970	0.1129	0.094963
<i>Erap1</i>	chr13:74639871-74691875	67.2447	65.0839	-0.0471	0.385479
<i>Wscd2</i>	chr5:113490332-113589725	1.1844	1.0743	-0.1408	0.414789
<i>Senp1</i>	chr15:98038743-98093744	8.5293	9.1107	0.0951	0.153128
<i>Mx1</i>	chr16:97447034-97462907	3.5201	6.1501	0.8050	0.283742
<i>Gpc1</i>	chr1:92831644-92860198	3.1617	2.8461	-0.1517	0.406805
<i>Slc26a11</i>	chr11:119355556-119381079	4.5044	5.0259	0.1580	0.280838
<i>Laptm4a</i>	chr12:8921663-8938742	42.9608	45.9035	0.0956	0.078970
<i>Trim30d</i>	chr7:104470013-104507849	7.9686	10.0066	0.3286	0.324862
<i>Amfr</i>	chr8:93971587-94012663	45.4614	43.7402	-0.0557	0.425760
<i>Prmt6</i>	chr3:110246111-110250998	11.4670	10.8692	-0.0772	0.311575
<i>Naa25</i>	chr5:121397935-121444378	12.1918	11.7466	-0.0537	0.311496
<i>Setd1b</i>	chr5:123142192-123167435	2.0725	2.3315	0.1699	0.337224
<i>Tnpo1</i>	chr13:98839018-98926384	33.8831	32.8087	-0.0465	0.305119
<i>Bcl3</i>	chr7:19808461-19822770	12.2480	15.7897	0.3664	0.314251
<i>Dph5</i>	chr3:115888172-115929332	30.7431	29.1786	-0.0754	0.442470
<i>Elk3</i>	chr10:93247413-93311135	13.0270	13.9766	0.1015	0.153471
<i>Tom11l</i>	chr11:90643464-90688366	2.2875	2.5173	0.1381	0.153019
<i>Coro1c</i>	chr5:113842435-113908758	10.7975	10.3108	-0.0665	0.392056
<i>E130317F20Rik</i>	chr10:79851380-79854956	3.6414	3.3349	-0.1268	0.269060
<i>BC043934</i>	chr9:96435783-96437434	32.4538	30.9358	-0.0691	0.299461
<i>Rev1</i>	chr1:38052786-38129662	11.7592	12.6212	0.1021	0.116851
<i>Ilf3</i>	chr9:21368018-21405361	26.5151	25.7787	-0.0406	0.092600
<i>Fez2</i>	chr17:78377884-78418131	14.7288	13.7299	-0.1013	0.384996
<i>Gm26635</i>	chr16:17254959-17260326	1.6382	1.4376	-0.1884	0.225633
<i>Amy1</i>	chr3:113555709-113606699	5.4563	4.9542	-0.1393	0.386300
<i>9030624J02Rik</i>	chr7:118740225-118842966	11.7349	11.3567	-0.0473	0.232337
<i>Ppp2r5b</i>	chr19:6227764-6235872	7.7252	7.2703	-0.0876	0.194411
<i>D630008O14Rik</i>	chr1:106541942-106575045	25.2099	23.5944	-0.0955	0.469322
<i>Zfp106</i>	chr2:120506819-120563843	16.5132	17.7207	0.1018	0.233307
<i>Fbxo7</i>	chr10:86021971-86051873	5.4507	5.9199	0.1191	0.181372
<i>Zfyve16</i>	chr13:92487107-92530868	8.0723	8.8085	0.1259	0.303857
<i>Sepsecs</i>	chr5:52640086-52669729	6.5656	6.1145	-0.1027	0.450369
<i>Atp8a1</i>	chr5:67618139-67847432	11.2000	12.1464	0.1170	0.304794
<i>Sec11a</i>	chr7:80904888-80947780	22.9820	22.1372	-0.0540	0.275184
<i>Trmt1</i>	chr8:84686306-84699808	14.9293	14.3848	-0.0536	0.322270
<i>Qtrtd1</i>	chr16:43861406-43926809	8.1771	7.7721	-0.0733	0.267924
<i>Mrpl37</i>	chr4:107055873-107066868	8.8536	8.3937	-0.0770	0.346765
<i>Cdc20</i>	chr4:118432900-118437352	3.4766	4.0179	0.2088	0.275293
<i>Snip1</i>	chr4:125066671-125074042	25.5136	24.3378	-0.0681	0.317931
<i>1700020I14Rik</i>	chr2:119594296-119607502	35.9604	38.5101	0.0988	0.214149
<i>Pced1b</i>	chr15:97247106-97385689	32.5699	36.3307	0.1576	0.369713
<i>Setx</i>	chr2:29124180-29182471	123.8993	119.6523	-0.0503	0.410388
<i>Gm17084</i>	chr13:34033062-34037147	9.1128	8.4921	-0.1018	0.445607
<i>Smek2</i>	chr11:29172889-29220797	66.8744	63.9643	-0.0642	0.425015
<i>Mir686</i>	chr14:54616676-54616785	63.9222	57.2634	-0.1587	0.137911

<i>Epas1</i>	chr17:86753906-86833410	1.4911	1.3215	-0.1741	0.346058
<i>1700018M17Rik</i>	chr4:59549153-59549625	26.6122	24.3947	-0.1255	0.241982
<i>Fastkd1</i>	chr2:69686814-69713516	3.9209	4.2952	0.1315	0.157511
<i>1200014J11Rik</i>	chr11:73047782-73080217	12.3863	13.2172	0.0937	0.163899
<i>Gm26549</i>	chr17:32284786-32298689	5.8141	5.1591	-0.1724	0.286433
<i>Mtjf2</i>	chr11:29526407-29545279	10.2892	11.1414	0.1148	0.180075
<i>Trbv26</i>	chr6:41227524-41227993	33.4327	38.3424	0.1977	0.330932
<i>Tulp3</i>	chr6:128321139-128355851	0.6936	0.8217	0.2444	0.231250
<i>A330035P11Rik</i>	chr14:122103429-122106974	2.0000	2.3079	0.2066	0.234579
<i>Abca3</i>	chr17:24351949-24410201	11.7626	12.7466	0.1159	0.308085
<i>Nif3l1</i>	chr1:58445150-58481816	9.8212	9.2415	-0.0878	0.334956
<i>Eef1b2</i>	chr1:63176824-63180486	188.3040	210.0007	0.1573	0.372998
<i>Zfand1</i>	chr3:10339952-10351317	2.9060	3.1760	0.1282	0.033579
<i>Oma1</i>	chr4:103313811-103371868	15.1211	14.2391	-0.0867	0.291560
<i>Gm12758</i>	chr7:34234376-34240207	6.1002	5.7311	-0.0901	0.313852
<i>Ndufc2</i>	chr7:97400002-97407802	39.3492	36.3378	-0.1149	0.400275
<i>Mks1</i>	chr11:87853214-87863803	3.7855	4.2661	0.1725	0.285310
<i>Vcp-rs</i>	chrX:104345828-104348234	1.7937	1.5380	-0.2219	0.345071
<i>Aco1</i>	chr4:40143080-40198338	9.8874	9.2917	-0.0896	0.416039
<i>AU041133</i>	chr10:82138252-82152011	9.3596	10.3307	0.1424	0.118802
<i>Mat2b</i>	chr11:40679313-40695203	29.9278	28.8498	-0.0529	0.332499
<i>Zzef1</i>	chr11:72796225-72927120	18.1105	19.6408	0.1170	0.330556
<i>Gm17111</i>	chr12:110664891-110665408	15.7161	18.4230	0.2293	0.322005
<i>Tab1</i>	chr15:80133153-80161701	16.0704	15.3001	-0.0709	0.361703
<i>2610020C07Rik</i>	chr16:11203382-11225796	5.4388	6.0549	0.1548	0.234083
<i>Pcgf6</i>	chr19:47033618-47050845	15.1938	14.2258	-0.0950	0.388286
<i>Sh3pxd2a</i>	chr19:47260173-47464411	8.1238	7.5909	-0.0979	0.473982
<i>Zfp397</i>	chr18:23954687-23964671	38.4021	36.3310	-0.0800	0.455019
<i>Afg3l2</i>	chr18:67404766-67449166	15.8414	17.2794	0.1253	0.262138
<i>Fmnl2</i>	chr2:52857859-53134202	0.7292	0.8565	0.2321	0.158772
<i>Ddx19b</i>	chr8:111003187-111031751	12.5232	12.0318	-0.0577	0.343790
<i>Vta1</i>	chr10:14654754-14705560	17.5552	16.4662	-0.0924	0.375644
<i>Brf1</i>	chr12:112959861-113000621	41.9007	40.0729	-0.0643	0.409439
<i>Clptm1l</i>	chr13:73604001-73620639	65.6856	63.8119	-0.0418	0.224260
<i>Ndufa6</i>	chr15:82350138-82354291	141.5136	129.6908	-0.1259	0.447189
<i>5830416P10Rik</i>	chr19:53441211-53464796	4.1414	4.6466	0.1661	0.391116
<i>Plod1</i>	chr4:147909752-147936767	1.5841	1.4284	-0.1492	0.373304
<i>Paics</i>	chr5:76951306-76967509	37.7193	35.6696	-0.0806	0.412879
<i>Camta2</i>	chr11:70669462-70688105	4.0569	4.6025	0.1821	0.385129
<i>Dph3</i>	chr14:32080565-32085692	8.0158	7.4577	-0.1041	0.387738
<i>NA</i>	chr1:133619870-133661380	35.3329	37.8594	0.0996	0.229360
<i>Ncdn</i>	chr4:126743749-126753438	17.6618	16.7688	-0.0749	0.445179
<i>Alyref2</i>	chr1:171503477-171504750	8.4741	7.5641	-0.1639	0.411092
<i>6330416G13Rik</i>	chr4:63558780-63586357	12.1231	11.4680	-0.0801	0.429249
<i>Naa40</i>	chr19:7225667-7241222	15.7422	15.1186	-0.0583	0.223470
<i>Mfsd1</i>	chr3:67582767-67604231	24.0597	22.9779	-0.0664	0.401814
<i>Rundc3b</i>	chr5:8490333-8622952	8.4486	7.8170	-0.1121	0.394582
<i>Rsf1os2</i>	chr7:97650009-97696828	2.2083	2.4895	0.1729	0.100562
<i>Cpt1a</i>	chr19:3323300-3385732	22.1481	26.4071	0.2537	0.328161
<i>Cited2</i>	chr10:17723227-17725673	7.7214	8.8953	0.2042	0.415952
<i>Cct2</i>	chr10:117050997-117063814	193.9011	183.8726	-0.0766	0.428353
<i>Tbc1d10a</i>	chr11:4186788-4215505	18.9193	18.1207	-0.0622	0.261827
<i>lft20</i>	chr11:78536360-78541737	25.8830	24.2558	-0.0937	0.369178
<i>Cdk13</i>	chr13:17715961-17805097	51.2515	49.7246	-0.0436	0.422255
<i>Eef1e1</i>	chr13:38645697-38659028	21.7848	20.0417	-0.1203	0.382313
<i>Rnf44</i>	chr13:54679398-54693907	9.7500	10.8911	0.1597	0.394950
<i>Cox7c</i>	chr13:86044815-86046904	16.0758	14.9644	-0.1034	0.295742
<i>Zc3hc1</i>	chr6:30366379-30391028	6.5557	6.1950	-0.0816	0.287124
<i>Tgoln1</i>	chr6:72608431-72617000	48.3295	51.2816	0.0855	0.136901
<i>Zfp444</i>	chr7:6172225-6191349	5.3445	4.9675	-0.1055	0.354324
<i>Myopos</i>	chr7:18993552-19001222	14.9991	13.5636	-0.1451	0.233375
<i>Qpctl</i>	chr7:19140216-19149196	5.2825	5.9358	0.1682	0.179904
<i>Pold3</i>	chr7:100082110-100121565	10.7029	11.4994	0.1036	0.132834
<i>Ino80e</i>	chr7:126851579-126862377	11.8578	11.4353	-0.0523	0.147880
<i>Mau2</i>	chr8:70016122-70042734	49.9313	48.3138	-0.0475	0.422950
<i>Tmem65</i>	chr15:58782268-58823530	8.4744	9.3072	0.1352	0.299293
<i>Dpysl2</i>	chr14:66802863-66868688	21.4256	23.5062	0.1337	0.316896
<i>Zc3h13</i>	chr14:75284372-75344426	14.1734	15.3936	0.1191	0.259591
<i>E4f1</i>	chr17:24443791-24455311	24.7843	23.6900	-0.0652	0.386334
<i>Macrocl1</i>	chr19:7056767-7198061	5.2282	5.9655	0.1903	0.124690
<i>Pydc4</i>	chr1:173566283-173599274	48.9477	55.0491	0.1695	0.433516

<i>Wdr7</i>	chr18:63708694-63989760	11.5555	11.1246	-0.0548	0.368833
<i>Plagl2</i>	chr2:153227758-153241426	4.3203	4.8050	0.1534	0.321346
<i>Tnik</i>	chr3:28263213-28675858	22.1717	21.2755	-0.0595	0.488882
<i>Mtx1</i>	chr3:89209080-89227088	12.1757	11.4961	-0.0829	0.376367
<i>Hspb11</i>	chr4:107253592-107279938	5.5913	6.4099	0.1971	0.303687
<i>Spata6</i>	chr4:111719983-111829184	11.6453	11.1049	-0.0686	0.356599
<i>Fahd2a</i>	chr2:127436214-127444565	6.6509	7.4485	0.1634	0.097103
<i>Elf2</i>	chr3:51255664-51340644	53.8112	52.2521	-0.0424	0.239367
<i>Gm26522</i>	chr7:88278786-88283529	2.5958	3.0923	0.2525	0.276494
<i>Safb</i>	chr17:56584824-56606294	20.6247	22.2216	0.1076	0.272072
<i>Nek9</i>	chr12:85299513-85339362	25.2941	27.0489	0.0968	0.216880
<i>Gm16984</i>	chr13:34963981-34990452	5.1826	4.5673	-0.1823	0.249855
<i>Wrrn</i>	chr8:33234383-33385527	20.7726	20.1666	-0.0427	0.200139
<i>Chkb</i>	chr15:89416404-89429908	10.8715	10.3858	-0.0659	0.354305
<i>Abhd13</i>	chr8:9977706-9992155	18.5960	17.9173	-0.0536	0.352710
<i>Trp53inp2</i>	chr2:155381058-155389850	0.6917	0.8516	0.3000	0.364241
<i>Dgcr6</i>	chr16:18052859-18071632	1.7512	1.5426	-0.1830	0.194903
<i>Gmppa</i>	chr1:75435929-75443179	17.0752	16.0633	-0.0881	0.439043
<i>Fam20b</i>	chr1:156678544-156719001	9.0373	8.6733	-0.0593	0.360940
<i>Tada2a</i>	chr11:84078919-84129600	2.7831	3.1504	0.1788	0.179267
<i>Rpgrip1</i>	chr14:52110703-52163546	5.1283	4.9411	-0.0537	0.197703
<i>Hmha1</i>	chr10:80016652-80031472	457.3867	437.1684	-0.0652	0.485537
<i>Thoc3</i>	chr13:54458836-54468849	18.3269	17.5471	-0.0627	0.220675
<i>Rest</i>	chr5:77265490-77286432	23.2461	22.5657	-0.0429	0.332396
<i>Rpap2</i>	chr5:107597372-107661838	10.3595	11.1509	0.1062	0.143758
<i>Snrpa1</i>	chr7:66060298-66074582	17.1018	16.0786	-0.0890	0.397444
<i>Cbr4</i>	chr8:61487733-61503482	3.2477	3.6445	0.1663	0.160468
<i>Ccnb2</i>	chr9:70407688-70421554	3.5107	4.4123	0.3298	0.469344
<i>Pde12</i>	chr14:26659957-26669883	9.7478	9.3517	-0.0599	0.343311
<i>Kif11</i>	chr19:37376402-37421859	3.6136	4.7636	0.3986	0.359428
<i>Taf4b</i>	chr18:14783244-14900359	8.8323	9.5147	0.1074	0.159381
<i>Atpaf1</i>	chr4:115784811-115818828	1.9266	2.2151	0.2013	0.071179
<i>Bccip</i>	chr7:133709332-133721145	16.7676	18.3778	0.1323	0.262888
<i>Zdhhc21</i>	chr4:82798737-82859958	4.6141	5.0168	0.1207	0.318615
<i>March9</i>	chr10:127055010-127060184	2.2248	1.9756	-0.1714	0.299980
<i>Nup153</i>	chr13:46679904-46727940	92.7718	98.5542	0.0872	0.211102
<i>Smco4</i>	chr9:15505486-15545260	7.0516	8.3746	0.2481	0.446831
<i>Vps13c</i>	chr9:67840395-67995634	14.7131	16.1111	0.1309	0.399268
<i>Gm13436</i>	chr2:36807807-36808425	114.6185	104.0933	-0.1390	0.495489
<i>Cd302</i>	chr2:60251992-60284488	3.1112	3.6941	0.2478	0.203042
<i>Fam174b</i>	chr7:73740306-73776919	1.3134	1.6774	0.3529	0.423828
<i>Degs2</i>	chr12:108686791-108702306	40.2231	38.2263	-0.0735	0.447800
<i>Aldoa</i>	chr7:126795233-126800751	114.1162	107.7675	-0.0826	0.475634
<i>Heca</i>	chr10:17900465-17948067	75.8904	74.1440	-0.0336	0.216177
<i>Ubc</i>	chr5:125385964-125390202	42.0060	45.0893	0.1022	0.257904
<i>Rpl19-ps11</i>	chr8:19492905-19493623	15.5361	18.0016	0.2125	0.422035
<i>Z310011J03Rik</i>	chr10:80318253-80320537	28.8227	26.9866	-0.0950	0.445432
<i>Hist1h2bj</i>	chr13:22043213-22043676	9.3443	11.4882	0.2980	0.445955
<i>Mdh2</i>	chr5:135778479-135790398	41.6255	45.2568	0.1207	0.252466
<i>Polr2j</i>	chr5:136116630-136122947	41.7642	38.4785	-0.1182	0.454948
<i>Hpgds</i>	chr6:65117292-65144908	1.5051	1.7536	0.2204	0.246844
<i>Ruvbl1</i>	chr6:88465408-88497572	7.5479	6.8992	-0.1296	0.330772
<i>Rad18</i>	chr6:112619849-112696686	6.1378	6.6900	0.1243	0.247793
<i>Dcun1d3</i>	chr7:119853162-119896291	6.8963	6.5658	-0.0709	0.293132
<i>Deaf1</i>	chr7:141297175-141327725	7.8960	7.3536	-0.1027	0.355693
<i>Abcc10</i>	chr17:46303220-46328352	1.8712	2.1000	0.1664	0.259553
<i>Ppm1b</i>	chr17:84956740-85023991	14.6379	15.5103	0.0835	0.002070
<i>Cdk9</i>	chr2:32705783-32713076	8.6499	8.2815	-0.0628	0.227033
<i>Etohi1</i>	chr2:178023283-178034022	10.9083	10.1510	-0.1038	0.369798
<i>Syt11</i>	chr3:88744699-88775164	10.3010	12.4724	0.2760	0.355488
<i>Dnttip1</i>	chr2:164745982-164768607	11.3661	12.3202	0.1163	0.079534
<i>Zfp758</i>	chr17:22361452-22377281	18.2784	17.2874	-0.0804	0.401764
<i>Ndufb3</i>	chr1:58586383-58595964	29.0947	26.5196	-0.1337	0.417440
<i>Smarb1</i>	chr10:75896768-75921617	7.3283	7.8631	0.1016	0.178000
<i>Bod1</i>	chr11:31665180-31671885	9.5335	8.9209	-0.0958	0.156010
<i>Ppp2ca</i>	chr11:52098680-52127778	44.1236	42.4305	-0.0564	0.399048
<i>Trappc12</i>	chr12:28690628-28750453	25.2667	24.4327	-0.0484	0.362477
<i>F2r</i>	chr13:95601803-95618459	8.1332	10.3370	0.3459	0.367477
<i>Tbc1d19</i>	chr5:53809626-53904380	1.9385	1.7299	-0.1642	0.043900
<i>E130309D02Rik</i>	chr5:143301194-143315360	7.4402	6.9830	-0.0915	0.436876
<i>Dfna5</i>	chr6:50189368-50263862	1.1075	1.2726	0.2004	0.263616

<i>Tax1bp1</i>	chr6:52713728-52766780	51.8908	55.3880	0.0941	0.229551
<i>Tubgcp5</i>	chr7:55794147-55831447	14.8533	15.8734	0.0958	0.118230
<i>9030407P2ORik</i>	chr7:120673438-120677560	2.7536	2.4089	-0.1929	0.400663
<i>Fbxo8</i>	chr8:56551089-56592393	9.2484	8.7289	-0.0834	0.340388
<i>Terf2ip</i>	chr8:112011358-112020528	11.8566	11.1497	-0.0887	0.393040
<i>Akap17b</i>	chrX:36608313-36645395	2.4671	2.2869	-0.1094	0.280940
<i>Acot9</i>	chrX:155262442-155297654	15.3877	16.9235	0.1373	0.298423
<i>Naga</i>	chr15:82329531-82338826	16.0822	15.1082	-0.0901	0.378211
<i>Cacnb3</i>	chr15:98632219-98644530	2.4707	2.1577	-0.1954	0.433187
<i>Zdhhc20</i>	chr14:57832701-57890262	45.2855	48.1436	0.0883	0.210582
<i>Vwa8</i>	chr14:78849177-79202310	6.6939	7.3910	0.1429	0.347927
<i>H2-M3</i>	chr17:37270219-37274484	44.1970	47.7147	0.1105	0.247053
<i>Crim1</i>	chr17:78200247-78376592	8.9729	8.4120	-0.0931	0.470127
<i>Pigf</i>	chr17:86997255-87025406	10.3402	9.3702	-0.1421	0.300471
<i>Pola2</i>	chr19:5940542-5964206	13.9987	13.4088	-0.0621	0.229694
<i>Pbxip1</i>	chr3:89436705-89450952	45.6789	43.2345	-0.0793	0.536461
<i>Them4</i>	chr3:94310088-94332540	1.8060	2.0711	0.1975	0.217565
<i>Rnf115</i>	chr3:96727610-96791155	34.0199	32.4290	-0.0691	0.397531
<i>Junb</i>	chr8:84976908-84978748	107.5633	119.3604	0.1501	0.411332
<i>Xbp1</i>	chr11:5520658-5525893	21.6348	23.1638	0.0985	0.182212
<i>Gm10644</i>	chr8:83932328-83955205	6.1730	7.0244	0.1864	0.377349
<i>Klrd1</i>	chr6:129591781-129598775	9.2483	8.0042	-0.2084	0.476367
<i>Gemin7</i>	chr7:19564945-19573823	13.7383	12.8651	-0.0947	0.272292
<i>Icosl</i>	chr10:78069359-78079525	2.6831	3.1017	0.2092	0.300751
<i>Tmc4</i>	chr7:3665789-3677524	2.5468	2.8625	0.1686	0.173126
<i>Pigm</i>	chr1:172376530-172384099	15.3461	16.4376	0.0991	0.232746
<i>B230398E01Rik</i>	chr3:94959033-94962048	7.9782	8.8628	0.1517	0.241422
<i>Myd88</i>	chr9:119335933-119341411	26.3509	28.4424	0.1102	0.252405
<i>Zfp933</i>	chr4:147822985-147848366	7.4473	8.0978	0.1208	0.218862
<i>Dicer1</i>	chr12:104687741-104751952	22.3031	23.8199	0.0949	0.266426
<i>Hibadh</i>	chr6:52546227-52640389	17.1355	18.7323	0.1285	0.277586
<i>Magt1</i>	chrX:105968083-106011906	24.1080	23.0508	-0.0647	0.399346
<i>Tgds</i>	chr14:118111910-118132765	9.3514	8.7648	-0.0935	0.266115
<i>Eme2</i>	chr17:24888485-24895087	24.9024	23.8048	-0.0650	0.495917
<i>Yipf4</i>	chr17:74489492-74500277	29.9685	28.3971	-0.0777	0.405610
<i>Smyd4</i>	chr11:75348432-75405705	5.3095	4.9877	-0.0902	0.281562
<i>Exosc7</i>	chr9:123113214-123136129	17.8243	16.7929	-0.0860	0.398352
<i>Ralbp1</i>	chr17:65848432-65885755	30.0973	28.6601	-0.0706	0.445499
<i>Fip1l1</i>	chr5:74535448-74598790	17.4780	16.9637	-0.0431	0.359222
<i>Snw1</i>	chr12:87449935-87472299	80.3497	75.6762	-0.0865	0.456202
<i>Nup210</i>	chr6:91013067-91116829	103.1107	98.2135	-0.0702	0.538992
<i>Inafm1</i>	chr7:16272013-16273692	9.4311	8.6114	-0.1312	0.454006
<i>Ptgr</i>	chr7:16906489-16910905	6.3298	5.9207	-0.0964	0.317570
<i>Bivm</i>	chr1:44118956-44144770	2.1308	2.4116	0.1786	0.225959
<i>Gpatch3</i>	chr4:133574744-133584243	8.8066	8.1798	-0.1065	0.378162
<i>Gm16023</i>	chr4:155608299-155624755	7.0077	6.5852	-0.0897	0.198025
<i>Pigl</i>	chr11:62458459-62514417	4.0660	4.6093	0.1809	0.227830
<i>Mppe1</i>	chr18:67225529-67245830	42.2952	40.3153	-0.0692	0.450675
<i>Eno3</i>	chr11:70657201-70662513	9.7534	9.0744	-0.1041	0.334869
<i>Gfod2</i>	chr8:105713853-105758664	2.6407	2.4296	-0.1202	0.258043
<i>NA</i>	chr9:73008480-73015657	11.2032	12.1523	0.1173	0.192969
<i>Emc1</i>	chr4:139352586-139378730	17.9045	17.1987	-0.0580	0.471169
<i>Gabpb2</i>	chr3:95181765-95217916	25.4836	26.9053	0.0783	0.125277
<i>Sp1</i>	chr15:102406142-102436404	36.8847	38.9798	0.0797	0.127401
<i>Nadk</i>	chr4:155562377-155591001	29.6884	28.7361	-0.0470	0.251613
<i>Gm24119</i>	chr10:91118290-91118536	245.7280	204.7287	-0.2633	0.360992
<i>Trbj2-4</i>	chr6:41543361-41543410	212.9968	237.5727	0.1575	0.093882
<i>Saccag8</i>	chr1:176814659-177020437	8.5608	9.2031	0.1044	0.091772
<i>Bcl2l11</i>	chr2:128126037-128162547	7.4410	8.0433	0.1123	0.247036
<i>Vkorc1l1</i>	chr5:129942108-129984745	4.0683	4.5332	0.1561	0.212025
<i>Impa2</i>	chr18:67289252-67319146	5.6317	6.4745	0.2012	0.339444
<i>Spo11</i>	chr2:172977699-172993576	5.2861	4.9257	-0.1019	0.362792
<i>Ctsa</i>	chr2:164832872-164841032	38.7661	37.2284	-0.0584	0.467585
<i>Elmod2</i>	chr8:83312631-83332486	3.2562	3.5086	0.1077	0.100914
<i>Trim21</i>	chr7:102557921-102565469	53.0498	50.5709	-0.0690	0.475855
<i>Hspbap1</i>	chr16:35770385-35828446	4.2702	4.6975	0.1376	0.217530
<i>Neurl4</i>	chr11:69901071-69913820	18.4771	17.7184	-0.0605	0.460586
<i>Nop14</i>	chr5:34638531-34660148	22.2284	23.7221	0.0938	0.070584
<i>Hexb</i>	chr13:97176331-97198357	43.5569	41.1518	-0.0819	0.452058
<i>Tug1</i>	chr11:3639784-3649673	44.8369	43.8510	-0.0321	0.270692
<i>Nkiras2</i>	chr11:100619243-100627607	8.9358	8.5011	-0.0719	0.348957

<i>Fam53a</i>	chr5:33600350-33629635	10.8626	10.4182	-0.0603	0.449718
<i>Ndufb2</i>	chr6:39592573-39603382	4.5826	5.0083	0.1282	0.185177
<i>Ccnd2</i>	chr6:127125778-127151048	63.8916	69.7398	0.1264	0.336819
<i>Cd3e</i>	chr9:44998742-45009590	57.2822	62.3815	0.1230	0.343367
<i>Cnpy3</i>	chr17:46735704-46752214	16.2887	15.5225	-0.0695	0.382957
<i>Rftn2</i>	chr1:55170158-55226782	1.9639	1.7731	-0.1475	0.422155
<i>Yam1</i>	chr17:39846957-39848788	302.8367	281.7538	-0.1041	0.555224
<i>Slc6a6</i>	chr6:91684066-91759063	19.5564	18.8272	-0.0548	0.444233
<i>Xpo5</i>	chr17:46202854-46242299	26.0797	25.1139	-0.0544	0.374896
<i>Sgk3</i>	chr1:9798129-9902556	13.2940	12.5280	-0.0856	0.442939
<i>Zfp131</i>	chr13:119765186-119790805	32.7865	31.0099	-0.0804	0.447215
<i>Phb2</i>	chr6:124712335-124716950	44.5339	42.8135	-0.0568	0.374794
<i>9130011E15Rik</i>	chr19:45818143-45998488	4.7104	5.2265	0.1500	0.238838
<i>Eral1</i>	chr11:78073375-78080383	13.9172	13.1154	-0.0856	0.387473
<i>Tmppe</i>	chr9:114401094-11441200	8.0345	7.5513	-0.0895	0.506836
<i>Hmga1</i>	chr17:27556619-27563674	4.8068	4.3793	-0.1344	0.348783
<i>Rab8a</i>	chr8:72161199-72183904	51.4202	49.0065	-0.0694	0.438425
<i>Rpl41</i>	chr10:128548113-128549305	147.5661	121.1149	-0.2850	0.324914
<i>Bet1</i>	chr6:4076898-4086972	4.6026	5.0643	0.1379	0.211613
<i>Ap3s2</i>	chr7:79875331-79920640	5.4396	5.0989	-0.0933	0.422155
<i>Gm22442</i>	chr11:69350517-69350661	1713.8740	1922.6440	0.1658	0.433767
<i>Pex5</i>	chr6:124396815-124415067	14.1113	13.5872	-0.0546	0.312092
<i>Tarbp2</i>	chr15:102518191-102523676	5.2537	5.6941	0.1161	0.070728
<i>Gstt2</i>	chr10:75831844-75834881	12.5462	11.5900	-0.1144	0.385285
<i>BlvrB</i>	chr7:27447977-27466144	2.6025	3.0549	0.2312	0.117349
<i>E430018J23Rik</i>	chr7:127389672-127393629	5.2652	5.8410	0.1497	0.268453
<i>Sh2d2a</i>	chr3:87846754-87855722	21.1231	22.6146	0.0984	0.237478
<i>Ercc6</i>	chr14:32513520-32580989	16.8920	16.3373	-0.0482	0.414996
<i>Lgmn</i>	chr12:102394083-102439813	13.3119	12.4630	-0.0951	0.433686
<i>Ap5s1</i>	chr2:131207077-131213514	7.4947	6.8426	-0.1313	0.353954
<i>Sbf2</i>	chr7:110308012-110614922	0.7118	0.8184	0.2014	0.315204
<i>Zfp169</i>	chr13:48487646-48513451	6.3922	7.0364	0.1385	0.373743
<i>Pde6b</i>	chr5:108388390-108432397	1.5993	1.4106	-0.1811	0.425451
<i>Gm6225</i>	chr18:3336415-3366863	2.2124	2.6178	0.2427	0.263531
<i>Pa2g4</i>	chr10:12857765-128565934	23.4677	25.4429	0.1166	0.240336
<i>2410006H16Rik</i>	chr11:62602876-62604807	121.0242	133.0308	0.1365	0.347095
<i>Gm5d</i>	chr13:31819578-32338712	2.3127	2.1000	-0.1392	0.160466
<i>Zfp280d</i>	chr9:72274898-72363770	23.1666	24.7197	0.0936	0.169433
<i>Mnt</i>	chr11:74830919-74845725	4.3355	4.9175	0.1817	0.415889
<i>Pomt2</i>	chr12:87106865-87147902	2.9273	2.7019	-0.1156	0.383744
<i>Tarsl2</i>	chr7:65644897-65692091	3.9634	3.6638	-0.1134	0.411862
<i>Polr3gl</i>	chr3:96577871-96594181	14.0824	13.1012	-0.1042	0.416817
<i>Gm27003</i>	chr2:126675915-126683805	8.7573	7.7421	-0.1778	0.101165
<i>Tmsb10</i>	chr6:72957346-72958748	54.5258	60.5521	0.1512	0.377745
<i>5430416N02Rik</i>	chr5:100420841-100429516	9.4420	8.8687	-0.0904	0.434510
<i>Gm13856</i>	chr6:34151928-34174235	2.5118	2.9013	0.2079	0.055060
<i>Trmt1l</i>	chr1:151428647-151458182	26.7048	25.7812	-0.0508	0.294324
<i>Hint2</i>	chr4:43654226-43656466	6.1582	6.9291	0.1702	0.260190
<i>Gna15</i>	chr10:81502305-81524225	2.5590	3.1634	0.3059	0.474108
<i>Atp5sl</i>	chr7:25619413-25625551	18.6127	17.7119	-0.0716	0.424996
<i>Tpt1</i>	chr14:75845092-75848525	17.6033	19.7036	0.1626	0.428232
<i>Srbd1</i>	chr17:85984664-86145175	11.0481	11.8987	0.1070	0.149900
<i>2410004N09Rik</i>	chr18:33794891-33795986	35.6282	39.2357	0.1391	0.171906
<i>Erp44</i>	chr4:48193322-48279558	16.0843	17.2027	0.0970	0.142138
<i>Mrpl10</i>	chr11:97041559-97049213	31.7503	30.1162	-0.0762	0.404899
<i>Ap1m2</i>	chr9:21295456-21312333	2.6897	2.1584	-0.3175	0.485639
<i>Fam35a</i>	chr14:34237040-34310503	9.0956	8.5834	-0.0836	0.357626
<i>Setdb2</i>	chr14:59402008-59440884	16.8966	16.3306	-0.0492	0.223888
<i>Scd2</i>	chr19:44293675-44306864	15.7654	17.2885	0.1331	0.344202
<i>Fam13b</i>	chr18:34442351-34506823	32.6662	35.1891	0.1073	0.271529
<i>Tmem198b</i>	chr10:128800035-128804370	1.8513	2.1064	0.1862	0.077088
<i>Utp20</i>	chr10:88746606-88826814	17.2602	16.5591	-0.0598	0.462086
<i>Kptn</i>	chr7:16119894-16127516	5.6827	5.3502	-0.0870	0.233694
<i>Rps26-ps1</i>	chr8:107439175-107439585	14.1737	11.8626	-0.2568	0.448757
<i>Cfdp1</i>	chr8:111768472-111854310	53.8859	49.8712	-0.1117	0.458055
<i>Rnf26</i>	chr9:44066326-44113517	1.0923	1.2729	0.2208	0.246270
<i>Tceanc</i>	chrX:166499811-166518567	4.1034	4.4949	0.1315	0.146810
<i>Klf10</i>	chr15:38294412-38300707	9.3414	10.5136	0.1705	0.434574
<i>Zfp472</i>	chr17:32965813-32979233	15.3914	14.5655	-0.0796	0.345896
<i>Dzip3</i>	chr16:48924231-48994165	3.6427	3.4265	-0.0883	0.445334
<i>Cspp1</i>	chr1:10038217-10136768	6.3796	6.8671	0.1062	0.233345

<i>Ggt7</i>	chr2:155490378-155518237	2.9729	2.5828	-0.2029	0.521518
<i>Apoa1bp</i>	chr3:88056522-88058495	36.4341	34.4395	-0.0812	0.396606
<i>Kbtbd2</i>	chr6:56777523-56797813	40.7226	39.4387	-0.0462	0.410737
<i>Med31</i>	chr11:72211723-72215592	5.7437	5.2422	-0.1318	0.289293
<i>Trbj2-6</i>	chr6:41543597-41543645	147.0548	125.5925	-0.2276	0.493597
<i>Lamtor4</i>	chr5:138255607-138259398	24.4883	23.0206	-0.0892	0.371619
<i>St8sia1</i>	chr6:142821544-142964452	12.6043	13.6338	0.1133	0.327947
<i>Trpc2</i>	chr7:102065510-102096864	6.5553	6.3037	-0.0564	0.307261
<i>NA</i>	chr8:95323013-95325263	4.8515	5.5840	0.2029	0.369958
<i>Cmc1</i>	chr9:118064528-118150196	14.3169	16.1332	0.1723	0.371702
<i>Uprt</i>	chrX:104482817-104507490	4.7289	5.2588	0.1532	0.167455
<i>Twsg1</i>	chr17:65923065-65951187	11.7054	12.9530	0.1461	0.402503
<i>Calm2</i>	chr17:87433411-87446935	76.2112	71.3210	-0.0957	0.475453
<i>Zbtb46</i>	chr2:181387761-181459426	2.4529	2.7452	0.1624	0.369419
<i>Ube2q1</i>	chr3:89773608-89783997	43.4876	41.8360	-0.0559	0.377698
<i>Polr2e</i>	chr10:80035948-80039795	17.6457	19.0197	0.1082	0.188516
<i>Tmem256</i>	chr11:69838513-69839618	6.7830	5.7691	-0.2336	0.435811
<i>Clock</i>	chr5:76212176-76304548	9.2246	9.8780	0.0987	0.220883
<i>Tgfbf2</i>	chr9:116087697-116175363	117.5499	114.6543	-0.0360	0.453121
<i>Nelfb</i>	chr2:25199711-25211489	30.2082	29.4469	-0.0368	0.178906
<i>Tprn</i>	chr2:25262617-25269885	5.5990	5.2558	-0.0912	0.111879
<i>Eif3j1</i>	chr2:122028545-122056598	2.8173	3.1085	0.1419	0.196643
<i>Akr1a1</i>	chr4:116636509-116651680	66.5454	62.8861	-0.0816	0.490705
<i>M6pr</i>	chr6:122308719-122317680	53.8695	51.7361	-0.0583	0.445471
<i>Glb1l</i>	chr1:75198242-75210778	4.6578	5.0313	0.1113	0.085392
<i>Gm13199</i>	chr2:5862079-5862934	7.1544	6.3956	-0.1618	0.207002
<i>Tti1</i>	chr2:157981802-158028433	15.2181	14.6811	-0.0518	0.260982
<i>Zfp146</i>	chr7:30161273-30169727	36.6486	35.4066	-0.0497	0.275937
<i>Fam186b</i>	chr15:99271017-99287180	1.6194	1.4383	-0.1711	0.258025
<i>Gm9392</i>	chr7:46820266-46822048	2.5659	2.9956	0.2234	0.224790
<i>Gmip</i>	chr8:69808678-69821870	28.6692	27.7491	-0.0471	0.464437
<i>Zcchc9</i>	chr13:91796532-91807705	16.0816	15.2939	-0.0725	0.399976
<i>Alg6</i>	chr4:99715663-99763460	1.0363	1.1716	0.1770	0.263525
<i>4833422C13Rik</i>	chr13:91701664-91741872	1.3904	1.5898	0.1934	0.286167
<i>Zfp809</i>	chr9:22225713-22243197	20.5858	19.5105	-0.0774	0.292371
<i>Med11</i>	chr11:70451918-70453727	38.2368	35.7211	-0.0982	0.450950
<i>Ccr7</i>	chr11:99144195-99155077	279.2535	270.0831	-0.0482	0.487371
<i>Lnx1</i>	chr5:74592445-74702911	3.0016	3.3353	0.1521	0.207726
<i>Gm26582</i>	chr5:92043063-92055960	51.8996	49.8514	-0.0581	0.430847
<i>Pim2</i>	chrX:7878261-7883432	11.3088	12.6249	0.1588	0.378184
<i>Eif2s1</i>	chr12:78861818-78887010	28.1166	26.3562	-0.0933	0.461292
<i>Edem3</i>	chr1:151755373-151822328	19.7851	18.9431	-0.0627	0.456336
<i>Gid4</i>	chr11:60417144-60450927	11.0115	10.4922	-0.0697	0.395425
<i>Ssbp2</i>	chr13:91460282-91703429	5.6837	6.1130	0.1051	0.142237
<i>Loh12cr1</i>	chr6:134639626-134711184	7.4650	6.9011	-0.1133	0.338055
<i>Gm16794</i>	chr9:95942048-95959393	4.1587	4.6340	0.1561	0.272236
<i>Mgat5</i>	chr1:127204985-127483704	8.6273	9.3355	0.1138	0.221582
<i>Uap11</i>	chr2:25359888-25365682	3.7733	4.1593	0.1405	0.231467
<i>Gm26516</i>	chr4:130774816-130779246	3.7513	3.2505	-0.2067	0.405879
<i>Tomt</i>	chr7:101898372-101906359	5.3624	4.9758	-0.1079	0.307907
<i>lws1</i>	chr18:32067733-32104331	26.2005	25.5049	-0.0388	0.330231
<i>Sec63</i>	chr10:42761495-42832514	13.6134	14.5408	0.0951	0.236165
<i>Gimap3</i>	chr6:48765088-48766519	396.1123	381.3187	-0.0549	0.506666
<i>Slc30a9</i>	chr5:67306954-67358565	10.9403	10.5241	-0.0560	0.435794
<i>Mpg</i>	chr11:32226504-32232700	10.3071	11.2110	0.1213	0.291631
<i>Srebfl</i>	chr11:60199088-60222581	25.4629	24.4750	-0.0571	0.495144
<i>Stim2</i>	chr5:53998416-54121057	21.6210	20.9473	-0.0457	0.360574
<i>Rhbdd2</i>	chr5:135632617-135646448	3.0620	3.4077	0.1543	0.342574
<i>Mesdc1</i>	chr7:83880494-83884341	4.4307	4.0647	-0.1244	0.499008
<i>Dlat</i>	chr9:50634632-50659780	9.6256	9.2268	-0.0610	0.276265
<i>Mapk14</i>	chr17:28691341-28748404	31.8918	34.0539	0.0946	0.182348
<i>Creg1</i>	chr1:165763745-165775308	8.9674	8.2594	-0.1186	0.429337
<i>Phpt1</i>	chr2:25573429-25575224	14.3751	13.0782	-0.1364	0.442612
<i>Scamp3</i>	chr3:89177472-89182765	29.9949	32.4586	0.1139	0.272818
<i>Ilk</i>	chr7:105736591-105742925	45.9185	44.2892	-0.0521	0.404413
<i>Man2c1os</i>	chr9:57099949-57131290	9.5983	10.4685	0.1252	0.204336
<i>Tspan5</i>	chr3:138742194-138904433	4.6900	5.1763	0.1423	0.306411
<i>D430042O09Rik</i>	chr7:125707914-125874793	4.4032	4.1761	-0.0764	0.363928
<i>Trdmt1</i>	chr2:13509013-13544664	4.3902	4.0834	-0.1045	0.330285
<i>Otud3</i>	chr4:138895378-138913945	6.9528	6.3532	-0.1301	0.380831
<i>Csnk2a2</i>	chr8:95446095-95488820	7.6855	8.4212	0.1319	0.255455

<i>Pltp</i>	chr2:164839517-164857711	3.3529	3.7822	0.1738	0.223450
<i>Slc2a9</i>	chr5:38349272-38503143	4.8574	4.5619	-0.0906	0.455120
<i>Pla2g15</i>	chr8:106150398-106164713	3.4602	3.1200	-0.1493	0.423930
<i>Ms4a6b</i>	chr19:11516511-11531256	423.7667	454.7689	0.1019	0.321492
<i>Tspyl2</i>	chrX:152336851-152342425	15.8833	17.0433	0.1017	0.158621
<i>Foxo1</i>	chr3:52268336-52350109	24.4981	27.4165	0.1624	0.455120
<i>Mettl9</i>	chr7:121034444-121076834	44.5677	41.4663	-0.1041	0.496694
<i>Idua</i>	chr5:108660330-108684557	7.0750	7.6915	0.1205	0.245405
<i>NA</i>	chr9:57148179-57151937	1.0112	1.1903	0.2354	0.220565
<i>Smg7</i>	chr1:152836995-152902646	30.5585	29.7370	-0.0393	0.420981
<i>Nup214</i>	chr2:31974435-32053975	9.2316	10.0274	0.1193	0.343595
<i>Vps33a</i>	chr5:123528763-123573015	15.0712	14.5168	-0.0541	0.350852
<i>C530005A16Rik</i>	chr4:116589732-116597630	10.0392	10.8716	0.1149	0.111407
<i>Hyi</i>	chr4:118359989-118362744	8.3921	9.1213	0.1202	0.081414
<i>Cabp7</i>	chr11:4736891-4746778	4.2200	3.8949	-0.1156	0.244017
<i>Il12rb2</i>	chr6:67291317-67376188	3.6801	4.1244	0.1645	0.318102
<i>Aebp2</i>	chr6:140622448-140678472	18.4544	19.7594	0.0986	0.263783
<i>Tmem41b</i>	chr7:109972186-109986929	3.5382	3.3100	-0.0962	0.311889
<i>Pdpr</i>	chr8:111094629-111137074	17.5743	18.6586	0.0864	0.166086
<i>Agpat4</i>	chr17:12118703-12219645	2.1208	2.4450	0.2053	0.292218
<i>Acap2</i>	chr16:31092412-31201238	25.3725	27.1458	0.0975	0.255677
<i>Dnajc24</i>	chr2:105966708-106003549	7.2323	8.0629	0.1568	0.229065
<i>Trappc3</i>	chr4:126262324-126275883	22.1020	20.6913	-0.0952	0.437787
<i>Pank4</i>	chr4:154964122-154980938	32.7184	31.7638	-0.0427	0.391737
<i>Gm17305</i>	chr11:69364018-69369408	117.9174	112.0852	-0.0732	0.466434
<i>Glrx2</i>	chr1:143739028-143749676	5.1284	5.5432	0.1122	0.112017
<i>Dkc1</i>	chrX:75095853-75109777	27.1671	26.0463	-0.0608	0.400697
<i>Zfp563</i>	chr17:33089309-33106203	4.8587	4.4694	-0.1205	0.307683
<i>Stam2</i>	chr2:52691663-52742281	6.8323	7.3591	0.1072	0.235057
<i>Lta</i>	chr17:35203164-35205351	8.1402	8.9985	0.1446	0.098329
<i>Manba</i>	chr3:135485610-135571404	5.8586	6.3165	0.1086	0.244513
<i>Eij4ebp2</i>	chr10:61432496-61452669	13.7457	15.4375	0.1675	0.408068
<i>Tsfm</i>	chr10:127011571-127030840	5.4019	4.9941	-0.1132	0.345577
<i>Atxn2l</i>	chr7:126491707-126503437	18.6514	20.7899	0.1566	0.448295
<i>Cep164</i>	chr9:45766945-45828691	9.1190	8.7925	-0.0526	0.349779
<i>Gm26631</i>	chr9:57531286-57537629	6.4811	7.0892	0.1294	0.153797
<i>Safb2</i>	chr17:56560964-56584585	13.3497	14.5010	0.1193	0.361090
<i>Gm15834</i>	chr1:58505147-58523230	1.3082	1.4849	0.1829	0.134958
<i>C1d</i>	chr11:17257578-17269176	7.9495	8.8501	0.1548	0.401106
<i>Psmc3ip</i>	chr11:101091822-101095436	10.6561	9.9225	-0.1029	0.366657
<i>Cep95</i>	chr11:106789251-106819930	21.4918	20.6407	-0.0583	0.401298
<i>Recql4</i>	chr15:76703552-76710559	1.2703	1.4791	0.2195	0.254342
<i>Thumpd2</i>	chr17:81026326-81065085	11.5661	10.7625	-0.1039	0.411316
<i>Nmt2</i>	chr2:3284211-3328877	11.4134	10.8471	-0.0734	0.478075
<i>Atp9a</i>	chr2:168634437-168742409	1.4311	1.7084	0.2555	0.475111
<i>Dync1li2</i>	chr8:104417673-104443047	20.5141	21.7551	0.0847	0.120753
<i>Mapk7</i>	chr11:61488811-61494406	7.0711	6.5994	-0.0996	0.492461
<i>Sergef</i>	chr7:46443167-46639807	3.9785	3.6581	-0.1211	0.274706
<i>Inip</i>	chr4:59769636-59801589	11.1970	10.5976	-0.0794	0.437342
<i>Acrbp</i>	chr6:125049688-125063267	5.4574	5.0085	-0.1238	0.489951
<i>Spryd7</i>	chr14:61531992-61556886	3.4397	3.1475	-0.1281	0.415991
<i>Creb3</i>	chr4:43562331-43567060	28.2904	27.0276	-0.0659	0.400963
<i>Adnp2</i>	chr18:80126337-80151482	8.9968	9.6166	0.0961	0.119027
<i>Rce1</i>	chr19:4622550-4625617	19.9367	18.8643	-0.0798	0.350431
<i>B430306N03Rik</i>	chr17:48316140-48327024	3.0640	2.7998	-0.1301	0.514713
<i>Mroh1</i>	chr15:76380260-76453038	4.0529	4.3610	0.1057	0.270149
<i>Psmc6</i>	chr14:14112183-14120984	34.3181	32.6074	-0.0738	0.443107
<i>Dad1</i>	chr14:54235478-54254104	19.2022	18.2099	-0.0766	0.458077
<i>Cebpzos</i>	chr17:78916498-78921037	11.1298	12.4778	0.1649	0.361697
<i>Mthfd2</i>	chr6:83305690-83317606	25.1624	24.0614	-0.0645	0.425369
<i>Tnfaip3</i>	chr10:19000909-19015657	14.7677	16.0370	0.1190	0.370736
<i>Gna11</i>	chr10:81528723-81545190	7.1221	6.7139	-0.0852	0.457507
<i>Med9</i>	chr11:59948205-59962205	4.9665	5.4956	0.1461	0.014369
<i>Timm9</i>	chr12:71123172-71136675	15.1694	13.8642	-0.1298	0.442993
<i>Rabggtb</i>	chr3:153907288-153912966	41.8184	40.0196	-0.0634	0.362847
<i>Cby1</i>	chr15:79659226-79667660	6.9351	6.3346	-0.1307	0.230712
<i>Lrrc20</i>	chr10:61475832-61582226	2.9940	2.6947	-0.1519	0.381849
<i>Mdh1</i>	chr11:21556786-21572367	52.0447	49.5016	-0.0723	0.465280
<i>Lsm11</i>	chr11:45928268-45944935	6.8221	6.4705	-0.0763	0.453768
<i>Relb</i>	chr7:19606216-19629438	13.0565	14.3573	0.1370	0.373500
<i>Fchs2</i>	chr7:101108774-101284405	8.9039	9.5633	0.1031	0.265982

<i>Smpd1</i>	chr7:105554359-105558388	14.6725	14.0403	-0.0635	0.301094
<i>Oat</i>	chr7:132557474-132576398	33.0302	31.5422	-0.0665	0.420731
<i>Tmed1</i>	chr9:21507379-21510186	11.8057	11.0421	-0.0965	0.406507
<i>Rbm5</i>	chr9:107740370-107770996	41.3521	40.3164	-0.0366	0.451538
<i>Xkrx</i>	chrX:134149042-134162076	1.9761	2.2863	0.2104	0.281477
<i>Naa16</i>	chr14:79334203-79390778	6.4903	6.9700	0.1029	0.183826
<i>Ndufa11</i>	chr17:56717761-56724248	8.2496	7.7420	-0.0916	0.369518
<i>Tnfsf14</i>	chr17:57189491-57194189	2.6678	3.1972	0.2612	0.432806
<i>Stam</i>	chr2:14074099-14148338	7.3577	7.8957	0.1018	0.150816
<i>Ubr3</i>	chr2:69897245-70024013	13.9377	14.9522	0.1014	0.289635
<i>Dap3</i>	chr3:88920802-88951181	14.2994	13.8658	-0.0444	0.197464
<i>Smu1</i>	chr4:40736541-40757923	45.4203	43.3603	-0.0670	0.445682
<i>Cherp</i>	chr8:72460488-72475233	7.2539	8.1873	0.1746	0.434815
<i>Rbl1</i>	chr2:157145892-157204534	18.5811	19.7763	0.0899	0.218237
<i>Socs7</i>	chr11:97362550-97398542	7.0826	6.7153	-0.0768	0.467500
<i>Haus3</i>	chr5:34153920-34169445	21.0375	22.5867	0.1025	0.181760
<i>Smim14</i>	chr5:65446843-65537184	11.4380	10.9015	-0.0693	0.465190
<i>Car12</i>	chr9:66713685-66766845	0.8660	1.0155	0.2298	0.208879
<i>Ubxn4</i>	chr1:128244180-128279377	40.8443	39.0237	-0.0658	0.486650
<i>Snora44</i>	chr4:132309940-132310069	39.7638	34.3761	-0.2100	0.397039
<i>Gm20390</i>	chr11:93949818-93968293	79.0920	73.6164	-0.1035	0.500758
<i>Pdcd6ip</i>	chr9:113651743-113708259	17.2890	18.6480	0.1092	0.346413
<i>Hip1r</i>	chr5:123973627-124003211	7.1814	8.7966	0.2927	0.375592
<i>Trac</i>	chr14:54220520-54223097	823.7403	876.0493	0.0888	0.213575
<i>Prmt3</i>	chr7:49778345-49858265	26.6290	25.8066	-0.0453	0.285494
<i>Trbv15</i>	chr6:41141210-41141658	157.4767	146.7046	-0.1022	0.485393
<i>Arhgef18</i>	chr8:3393005-3456601	72.5879	70.0470	-0.0514	0.524043
<i>Adam9</i>	chr8:24949610-25016922	1.6150	1.8531	0.1984	0.295963
<i>Mak16</i>	chr8:31159467-31168724	72.2430	69.0678	-0.0648	0.449853
<i>Sh3rf1</i>	chr8:61224170-61396072	2.8194	3.1653	0.1669	0.359080
<i>Cog2</i>	chr8:124520766-124552008	14.7758	14.2737	-0.0499	0.363871
<i>Timm8b</i>	chr9:50603900-50605320	38.3757	34.4875	-0.1541	0.470741
<i>Zfp445</i>	chr9:122851913-122862128	44.2574	46.9285	0.0845	0.204590
<i>Calhm2</i>	chr19:47105352-47138294	4.6479	5.1073	0.1360	0.295108
<i>Mis18a</i>	chr16:90719311-90727404	10.8443	10.3125	-0.0725	0.333059
<i>Hpcal1</i>	chr12:17690813-17791926	26.0814	28.1721	0.1112	0.279926
<i>Pdcd5</i>	chr7:35641981-35647521	4.7239	5.3272	0.1734	0.367094
<i>Btaf1</i>	chr19:36926078-37012752	32.4708	31.3009	-0.0529	0.454932
<i>Timm44</i>	chr8:4259730-4275913	18.1560	17.6144	-0.0437	0.185842
<i>Trav14-3</i>	chr14:53763082-53765043	6.2850	5.5673	-0.1749	0.344693
<i>Kpna3</i>	chr14:61365185-61439947	13.0186	14.0780	0.1129	0.306753
<i>Erbp3</i>	chr10:128567522-128589652	2.1572	3.2040	0.5707	0.286471
<i>Imp3</i>	chr9:56937499-56938397	57.5321	54.8085	-0.0700	0.402509
<i>Got2</i>	chr8:95864133-95888547	11.6522	12.5950	0.1122	0.219446
<i>Cs</i>	chr10:128337831-128362479	66.1468	64.3047	-0.0407	0.379070
<i>Arl6ip1</i>	chr7:118118890-118129625	98.5342	94.1716	-0.0653	0.479623
<i>Rfx1</i>	chr8:84066835-84096992	15.0696	16.3119	0.1143	0.320324
<i>Cdk1</i>	chr10:69336634-69352938	1.1068	1.3683	0.3059	0.487371
<i>Pwp1</i>	chr10:85871830-85889096	21.0919	20.2627	-0.0579	0.329176
<i>Gm12592</i>	chr11:3305425-3331178	12.1475	11.6406	-0.0615	0.303540
<i>Cfap36</i>	chr11:29221531-29247409	6.8197	7.4724	0.1319	0.268470
<i>Aff4</i>	chr11:53350832-53421830	21.7384	23.0465	0.0843	0.242519
<i>Rpl26</i>	chr11:68901582-68906989	135.9374	125.8160	-0.1116	0.529562
<i>Batf</i>	chr12:85686668-85709087	42.2396	47.2825	0.1627	0.479368
<i>Calm1</i>	chr12:100199434-100209806	170.4562	160.9085	-0.0832	0.508986
<i>Ccdc88c</i>	chr12:100912699-101028983	82.4269	79.1879	-0.0578	0.547445
<i>Phf2</i>	chr13:48801749-48870885	13.0709	14.3481	0.1345	0.422847
<i>Faf2</i>	chr13:54621783-54664068	16.8649	16.3376	-0.0458	0.341075
<i>Med10</i>	chr13:69809881-69816094	31.9119	34.5097	0.1129	0.163770
<i>Cpeb2</i>	chr5:43233462-43289724	1.8147	1.6454	-0.1413	0.505311
<i>Exoc1</i>	chr5:76529310-76570294	12.0797	11.6870	-0.0477	0.446283
<i>Sap25</i>	chr5:137641333-137642902	31.1325	29.2417	-0.0904	0.533680
<i>Gm24082</i>	chr5:138606698-138606781	51.4490	45.5667	-0.1752	0.176188
<i>Casp2</i>	chr6:42264984-42282508	17.3620	16.9315	-0.0362	0.327499
<i>Hist4h4</i>	chr6:136801552-136804431	14.9547	12.2019	-0.2935	0.354245
<i>Golt1b</i>	chr6:142387220-142403858	13.6038	13.0325	-0.0619	0.247940
<i>Tgfb1</i>	chr7:25687001-25705077	15.5317	17.5432	0.1757	0.464645
<i>Herc2</i>	chr7:56050154-56231794	40.4300	38.7826	-0.0600	0.551171
<i>Trim34a</i>	chr7:104244456-104340693	20.1877	21.9583	0.1213	0.365192
<i>Mphosph6</i>	chr8:117791644-117801929	10.9185	12.2997	0.1719	0.368092
<i>Rexo2</i>	chr9:48468513-48480611	55.7016	52.0229	-0.0986	0.476883

<i>Nudt16</i>	chr9:105129337-105131805	24.6741	23.2972	-0.0828	0.431242
<i>Il7r</i>	chr15:9506160-9529876	202.9877	195.8521	-0.0516	0.525043
<i>Zfp41</i>	chr15:75616678-75625300	3.0169	3.3639	0.1571	0.325491
<i>Gm17606</i>	chr14:54640951-54648293	46.5795	52.5031	0.1727	0.306163
<i>Ppp2r2a</i>	chr14:67014056-67072471	7.9292	8.6487	0.1253	0.345394
<i>Tagap</i>	chr17:7925999-7934897	40.4204	44.0690	0.1247	0.397086
<i>Bak1</i>	chr17:27019809-27029009	17.8468	17.0026	-0.0699	0.410228
<i>Taf11</i>	chr17:27901121-27909242	5.8203	6.4520	0.1487	0.279120
<i>Cd320</i>	chr17:33843090-33849774	2.3771	2.1049	-0.1755	0.348980
<i>Nde1</i>	chr16:14163274-14192928	21.4817	23.0254	0.1001	0.235102
<i>Pcnp</i>	chr16:56007244-56029739	17.0813	16.3891	-0.0597	0.317577
<i>Rfk</i>	chr19:17394042-17401349	16.5851	15.4870	-0.0988	0.483236
<i>Smarca2</i>	chr19:26605114-26778321	25.0177	26.7335	0.0957	0.265738
<i>Avpi1</i>	chr19:42123272-42129059	3.5245	4.1288	0.2283	0.327194
<i>Farp2</i>	chr1:93512078-93621976	1.3389	1.5572	0.2179	0.393036
<i>Myef2</i>	chr2:125084627-125123661	6.3964	6.8563	0.1002	0.136297
<i>Cdc25b</i>	chr2:131186948-131198497	16.8796	19.0555	0.1749	0.473394
<i>Epb4.1l1</i>	chr2:156420908-156543214	0.7473	0.6665	-0.1650	0.438179
<i>Gm20402</i>	chr3:52268434-52269435	45.0508	40.2271	-0.1634	0.551726
<i>Zcchc7</i>	chr4:44755876-44932215	17.7630	18.7548	0.0784	0.167718
<i>Ccdc163</i>	chr4:116708508-116751206	2.9784	3.3470	0.1683	0.152650
<i>Sfn</i>	chr4:133600555-133602168	14.4888	13.7037	-0.0804	0.380723
<i>Pex10</i>	chr4:155067015-155072433	7.9712	7.5956	-0.0696	0.246283
<i>Fam213a</i>	chr14:40993739-41013788	3.6763	3.3027	-0.1546	0.442886
<i>D3ErtD751e</i>	chr3:41742610-41759389	4.6709	4.3971	-0.0872	0.342273
<i>9530068E07Rik</i>	chr11:52396427-52408728	19.5377	18.7898	-0.0563	0.455613
<i>Gm15446</i>	chr5:109923399-109943936	5.2188	5.6545	0.1157	0.103642
<i>Mtg2</i>	chr2:180070587-180085902	8.0015	7.7334	-0.0492	0.178796
<i>Ociad1</i>	chr5:73292793-73314077	40.9224	39.3878	-0.0551	0.446972
<i>Ikbbk</i>	chr8:22659211-22706589	16.8320	17.7899	0.0799	0.179507
<i>PsmA2</i>	chr13:14613241-14625671	123.0261	115.0879	-0.0962	0.512225
<i>Rusc1</i>	chr3:89083980-89093363	11.4272	10.8253	-0.0781	0.497928
<i>Prim2</i>	chr1:33453810-33669786	8.7176	8.0634	-0.1126	0.413645
<i>Mrrf</i>	chr2:36136388-36190647	5.0393	4.7054	-0.0989	0.217259
<i>Ntrk3</i>	chr7:78192361-78578408	2.0015	1.8406	-0.1209	0.349755
<i>Gm16206</i>	chr3:53452618-53457797	3.1162	2.7876	-0.1608	0.359256
<i>Adck4</i>	chr7:27233022-27262252	6.8971	6.4538	-0.0959	0.450158
<i>Sorl1</i>	chr9:41964719-42124297	13.3397	14.5634	0.1266	0.435429
<i>Cep70</i>	chr9:99243441-99300401	5.3594	5.8630	0.1296	0.137718
<i>Med30</i>	chr15:52712444-52730431	30.7135	29.0985	-0.0779	0.316151
<i>H2-Q4</i>	chr17:35379616-35385290	140.9208	133.3560	-0.0796	0.574413
<i>Gm15674</i>	chr1:130422823-130437914	8.0347	9.1657	0.1900	0.465279
<i>Etfhd</i>	chr3:79603787-79628863	6.5391	6.2505	-0.0651	0.370334
<i>Gm13091</i>	chr4:150566868-150568544	19.0539	21.3594	0.1648	0.221668
<i>Rplp1</i>	chr9:61913283-61914538	2883.1594	2549.0283	-0.1777	0.433664
<i>Coq3</i>	chr4:21879672-21912162	3.4263	3.8277	0.1598	0.281180
<i>Ctdsp1</i>	chr1:74391508-74397285	14.7650	14.0240	-0.0743	0.521043
<i>Slc35c1</i>	chr2:92452763-92460538	12.0221	11.3671	-0.0808	0.526567
<i>Stk17b</i>	chr1:53755505-53785224	268.2561	255.7319	-0.0690	0.507493
<i>6330418K02Rik</i>	chr5:138264042-138266661	5.5107	4.9617	-0.1514	0.396701
<i>Vav3</i>	chr3:109340652-109685698	6.4025	6.1149	-0.0663	0.411928
<i>Papolg</i>	chr11:23862645-23895253	20.6373	19.8889	-0.0533	0.441020
<i>Gm16234</i>	chr10:14664219-14668318	14.9824	13.6759	-0.1316	0.414874
<i>Stx7</i>	chr10:24149316-24188959	10.6223	11.5210	0.1172	0.252619
<i>Chd3os</i>	chr11:69340460-69342641	2.1513	2.4909	0.2114	0.185950
<i>Arhgdia</i>	chr11:120578103-120581624	79.6008	86.8978	0.1265	0.388573
<i>Hist1h4i</i>	chr13:22040815-22041352	8.2200	7.1359	-0.2041	0.317454
<i>Adam22</i>	chr5:8072351-8368160	0.4584	0.5275	0.2025	0.300989
<i>Trim56</i>	chr5:137105643-137116209	38.7188	41.3313	0.0942	0.310287
<i>Rnf169</i>	chr7:99920256-99980458	13.4180	12.9560	-0.0505	0.446463
<i>AB124611</i>	chr9:21526175-21545333	42.4879	40.6661	-0.0632	0.408979
<i>Tpr</i>	chr1:150392837-150449935	81.0122	85.2828	0.0741	0.163226
<i>Sdhd</i>	chr4:140961202-140979193	40.9500	38.5096	-0.0886	0.508092
<i>Bcr</i>	chr10:75060895-75184923	5.3299	5.0641	-0.0738	0.467836
<i>Gm26890</i>	chr7:19597292-19602294	2.0804	2.3695	0.1877	0.234665
<i>D2Wsu81e</i>	chr2:30173446-30178459	10.1871	9.6948	-0.0715	0.337552
<i>Rps19</i>	chr7:24884370-24889806	74.8607	69.9020	-0.0989	0.544990
<i>Ebpl</i>	chr14:61339762-61360445	5.7153	5.2824	-0.1136	0.315030
<i>Angel2</i>	chr1:190925111-190946962	23.3046	24.5581	0.0756	0.102694
<i>Greb1l</i>	chr18:10325176-10562934	1.0738	1.2020	0.1627	0.336141
<i>Klf20a</i>	chr18:34624623-34633265	6.6778	7.3211	0.1327	0.361188

<i>Akt1s1</i>	chr7:44848990-44855421	9.9808	9.4383	-0.0806	0.484005
<i>Tbccd1</i>	chr16:22813214-22857569	7.4672	7.0237	-0.0883	0.379944
<i>Elof1</i>	chr9:22112988-22117148	23.4461	21.8634	-0.1008	0.442005
<i>Xpnpep3</i>	chr15:81400137-81456807	3.5447	3.8509	0.1196	0.148286
<i>Fam204a</i>	chr19:60198585-60226697	12.6666	13.6305	0.1058	0.082135
<i>Ccn1</i>	chr3:65946150-65958249	69.5372	67.8371	-0.0357	0.422009
<i>Uba52</i>	chr8:70508262-70510801	6.0751	5.6036	-0.1166	0.230902
<i>Cnih4</i>	chr1:181150930-181168994	5.8720	6.3788	0.1194	0.211647
<i>Akr1c13</i>	chr13:4191183-4205596	11.9743	10.7971	-0.1493	0.514391
<i>Naa20</i>	chr2:145902098-145916425	8.9798	9.6517	0.1041	0.199716
<i>Zfp592</i>	chr7:80993680-81045164	23.2517	24.9829	0.1036	0.342609
<i>Gm25082</i>	chr11:51270434-51270689	36.3421	33.3661	-0.1233	0.338697
<i>Ints2</i>	chr11:86210680-86257575	5.7176	5.4501	-0.0691	0.483919
<i>2700097009Rik</i>	chr12:55045660-55080110	2.3749	2.6479	0.1570	0.276922
<i>Trpt1</i>	chr19:6996130-6999044	6.0277	6.7690	0.1673	0.143536
<i>Tbcd12</i>	chr19:38836578-38919923	1.7111	1.9323	0.1754	0.284614
<i>Map3k8</i>	chr18:4331326-4353015	3.0518	3.4838	0.1910	0.446489
<i>Stk35</i>	chr2:129800516-129832287	2.1982	2.4970	0.1839	0.399692
<i>Pole3</i>	chr4:62522648-62525068	8.8988	8.2279	-0.1131	0.426531
<i>Add3</i>	chr19:53140444-53247399	158.4370	154.4912	-0.0364	0.413073
<i>Phykpl</i>	chrX:151584756-151604489	21.4331	22.6422	0.0792	0.159024
<i>Yy2</i>	chrX:157565946-157598650	4.0233	4.4014	0.1296	0.155684
<i>Mut</i>	chr17:40934684-40961989	14.0738	13.4749	-0.0627	0.409676
<i>Slc30a6</i>	chr17:74395607-74424229	7.8400	7.3863	-0.0860	0.213610
<i>Ccdc69</i>	chr11:55049730-55078131	17.2178	16.3010	-0.0789	0.410422
<i>Pten</i>	chr19:32757496-32826160	21.2985	20.5650	-0.0506	0.469515
<i>Skil</i>	chr3:31095057-31122577	28.9569	30.5582	0.0777	0.208125
<i>Pdap1</i>	chr5:145128768-145140238	20.7771	20.0255	-0.0532	0.345560
<i>Gatad2a</i>	chr8:69907068-69996379	18.8111	20.3083	0.1105	0.349203
<i>Zdhhc15</i>	chrX:104536968-104671064	12.8245	12.1861	-0.0737	0.504727
<i>Atp5o</i>	chr16:91684397-91931687	41.0145	38.6223	-0.0867	0.505321
<i>Srgap2</i>	chr1:131285250-131527361	6.2789	6.8044	0.1160	0.305686
<i>Fuca1</i>	chr4:135920734-135940311	11.2410	12.0472	0.0999	0.159459
<i>Tmem50a</i>	chr4:134897848-134915024	128.3307	123.7023	-0.0530	0.455385
<i>Armc6</i>	chr8:70220171-70234466	3.5754	3.3097	-0.1114	0.400588
<i>Ramp3</i>	chr11:6658520-6677475	3.1363	2.7610	-0.1839	0.304644
<i>Top2a</i>	chr11:98992942-99024189	7.6872	9.8915	0.3637	0.395576
<i>Mrpl1</i>	chr5:96209492-96266727	5.8704	6.4114	0.1272	0.307199
<i>Foxp1</i>	chr6:98925337-99522721	32.8233	35.0608	0.0951	0.323816
<i>Zfp940</i>	chr7:29833619-29853669	3.1877	2.9678	-0.1031	0.446763
<i>Traj17</i>	chr14:54201774-54201837	60.5212	72.0602	0.2518	0.347796
<i>Dapp1</i>	chr3:137931006-137981545	14.9256	16.0900	0.1084	0.307333
<i>Vapa</i>	chr17:65580055-65613555	73.9399	70.1533	-0.0758	0.484232
<i>Atox1</i>	chr11:55446640-55461239	42.7773	39.7897	-0.1044	0.462534
<i>Tango6</i>	chr8:106683067-106851439	4.2284	4.7426	0.1656	0.407619
<i>Arl3</i>	chr19:46531108-46573085	5.7140	5.0787	-0.1700	0.271262
<i>Slc25a11</i>	chr11:70644195-70647479	47.1418	45.6952	-0.0450	0.342788
<i>Lap3</i>	chr5:45493373-45512674	6.1085	5.6752	-0.1062	0.420535
<i>Kif22</i>	chr7:127027731-127042420	5.8876	6.6410	0.1737	0.406041
<i>Elp3</i>	chr14:65530445-65593112	25.8181	25.0620	-0.0429	0.319549
<i>Tmem39a</i>	chr16:38558697-38592162	6.2984	6.0287	-0.0631	0.105772
<i>Acads</i>	chr5:115110298-115119346	12.0067	11.3821	-0.0771	0.443409
<i>Rnf114</i>	chr2:167492644-167516173	72.4144	70.4697	-0.0393	0.463031
<i>Paip1</i>	chr13:119428600-119458218	22.4732	21.3829	-0.0718	0.479007
<i>Tmem206</i>	chr1:191325911-191350914	7.1228	7.9234	0.1537	0.311438
<i>Sgpl1</i>	chr10:61098641-61147703	18.3954	19.5735	0.0896	0.260806
<i>Klhl11</i>	chr11:100462613-100472741	16.2608	15.5627	-0.0633	0.326033
<i>Mcur1</i>	chr13:43538411-43560191	8.5958	9.2313	0.1029	0.162036
<i>Zfp668</i>	chr7:127865169-127876828	8.4653	8.0974	-0.0641	0.413730
<i>Smdt1</i>	chr15:82338958-82349091	37.9432	35.4451	-0.0983	0.501078
<i>Ndfip2</i>	chr14:105258572-105309298	4.9218	4.7673	-0.0460	0.246266
<i>Fam160b1</i>	chr19:57361008-57389594	24.3846	23.6268	-0.0455	0.485189
<i>Ythdc2</i>	chr18:44828664-44889720	10.0728	10.7447	0.0932	0.230731
<i>BC031181</i>	chr18:75005899-75009933	35.0016	32.9826	-0.0857	0.454575
<i>Serinc3</i>	chr2:163623271-163645131	80.4713	86.4345	0.1031	0.369857
<i>Gstk1</i>	chr6:42245934-42250441	5.9786	6.8987	0.2065	0.332343
<i>Mfn2</i>	chr4:147873598-147904704	9.2761	10.0258	0.1121	0.271518
<i>Pdha1</i>	chrX:160122208-160138413	57.1685	55.1397	-0.0521	0.451046
<i>Ccdc28a</i>	chr10:18213675-18234998	8.0450	7.6200	-0.0783	0.353583
<i>Appbp2</i>	chr11:85187261-85235130	14.4386	15.5835	0.1101	0.327307
<i>Tmco3</i>	chr8:13288012-13322924	3.7627	3.5243	-0.0945	0.386080

<i>Sumf2</i>	chr5:129846989-129864050	7.5701	7.1701	-0.0783	0.279994
<i>Chchd3</i>	chr6:32790975-33060260	33.3291	31.3072	-0.0903	0.519981
<i>Cbx5</i>	chr15:103191543-103239816	14.9991	15.8843	0.0827	0.193951
<i>Csnk2a1</i>	chr2:152226838-152281852	22.7928	22.0641	-0.0469	0.421706
<i>Fam214a</i>	chr9:74953052-75032468	14.0733	14.9155	0.0838	0.131845
<i>Smyd2</i>	chr1:189880491-189922363	3.7543	3.4569	-0.1190	0.330399
<i>Miip</i>	chr4:147860777-147868816	25.4419	24.6003	-0.0485	0.483855
<i>A930024E05Rik</i>	chr5:122989353-122998345	12.4539	11.7922	-0.0788	0.422822
<i>Akap10</i>	chr11:61871306-61930252	14.6188	15.4184	0.0768	0.063859
<i>Gabbr1</i>	chr17:37045965-37075067	4.0278	4.3484	0.1105	0.248112
<i>Gm22422</i>	chr16:56035752-56035887	61.8154	85.9287	0.4752	0.422937
<i>Hif1an</i>	chr19:44562849-44576274	11.0367	11.8793	0.1061	0.335731
<i>AV039307</i>	chr2:120850704-120866689	5.8322	6.5826	0.1746	0.285863
<i>Tmem38b</i>	chr4:53826044-53862019	1.0850	1.2960	0.2565	0.407749
<i>Ttc27</i>	chr17:74717749-74863570	19.5015	18.5419	-0.0728	0.456504
<i>Mospd1</i>	chrX:53344597-53370502	6.2590	5.7856	-0.1135	0.373246
<i>Pkn2</i>	chr3:142790901-142882004	29.6230	28.5541	-0.0530	0.492652
<i>Spn</i>	chr7:127132231-127137823	252.4145	242.3830	-0.0585	0.570544
<i>Ly6a</i>	chr15:74994877-74997634	151.1321	184.2840	0.2861	0.368435
<i>Gm10524</i>	chr18:82692948-82706174	2.8309	3.1978	0.1758	0.097496
<i>NA</i>	chr7:29155679-29156918	3.6207	3.1653	-0.1939	0.381442
<i>Gatc</i>	chr5:115333241-115341178	11.7486	12.7031	0.1127	0.108667
<i>Dhx57</i>	chr17:80238303-80290476	18.2782	19.3639	0.0832	0.186231
<i>Bcl2l1</i>	chr2:152780667-152831728	3.2114	3.5755	0.1549	0.313367
<i>Zmym3</i>	chrX:101404383-101420849	6.0026	6.4722	0.1087	0.325933
<i>Dhrs11</i>	chr11:84820855-84828994	4.9371	4.4206	-0.1594	0.454102
<i>Gm11537</i>	chr11:96766801-96768269	10.4522	9.6007	-0.1226	0.360363
<i>Trp53bp2</i>	chr1:182409171-182462432	8.4118	8.0258	-0.0678	0.481657
<i>Phyh1</i>	chr2:30266202-30301080	5.0125	5.4919	0.1318	0.198134
<i>Ppie</i>	chr4:123127114-123139951	21.5114	20.4193	-0.0752	0.428441
<i>Rfx3</i>	chr19:27761720-28011166	5.1148	5.5508	0.1180	0.333579
<i>Unc119b</i>	chr5:115122549-115134975	12.7494	12.3146	-0.0501	0.394283
<i>Nudt7</i>	chr8:114133556-114152312	3.8780	4.2513	0.1326	0.163381
<i>Camta1</i>	chr4:150917321-151861876	0.8323	0.7728	-0.1070	0.243018
<i>Grb2</i>	chr11:115644044-115708597	14.7454	16.0774	0.1248	0.353422
<i>Ints1</i>	chr5:139751281-139775678	19.1545	18.3147	-0.0647	0.566020
<i>Gm26836</i>	chr11:75745071-75761195	5.3645	6.0733	0.1790	0.382454
<i>Aim1</i>	chr10:43950306-44004846	27.8819	29.3559	0.0743	0.174766
<i>Pak2</i>	chr16:32016289-32079342	45.3881	48.0085	0.0810	0.210499
<i>Exosc2</i>	chr2:31670714-31681350	19.3827	18.6240	-0.0576	0.277363
<i>Urod</i>	chr4:116989964-116994413	13.7526	13.1047	-0.0696	0.411897
<i>Sf3a1</i>	chr11:4160349-4182541	15.1385	16.1107	0.0898	0.211449
<i>Dhx40</i>	chr11:86768845-86807696	23.6220	25.7208	0.1228	0.417535
<i>Zfp141</i>	chr7:42473385-42505726	12.0002	11.4579	-0.0667	0.444156
<i>Arrb1</i>	chr7:99535465-99606771	14.6320	14.2279	-0.0404	0.476203
<i>Arv1</i>	chr8:124722138-124734123	13.8536	15.0239	0.1170	0.074489
<i>St3gal4</i>	chr9:35046578-35116810	13.2674	14.2296	0.1010	0.066595
<i>Tjcp2</i>	chr15:100502798-100552008	5.2672	4.8358	-0.1233	0.501390
<i>Rbm4b</i>	chr19:4756542-4767065	13.5182	14.3810	0.0893	0.266570
<i>Dut</i>	chr2:125247189-125258608	10.9048	10.2724	-0.0862	0.401436
<i>Cisn</i>	chr4:126556934-126593903	0.6219	0.7516	0.2732	0.496667
<i>Ninj1</i>	chr13:49187484-49196244	4.6368	4.2612	-0.1219	0.083536
<i>Fam149b</i>	chr14:20348161-20383489	16.5494	17.6355	0.0917	0.177194
<i>Selt</i>	chr3:58576635-58593133	29.7120	32.1334	0.1130	0.388174
<i>Dstn</i>	chr2:143915319-143943324	6.5809	7.3213	0.1538	0.368843
<i>Ptar1</i>	chr19:23687399-23721129	15.5850	14.8529	-0.0694	0.386825
<i>Zscan26</i>	chr13:21442174-21453730	51.8074	49.9498	-0.0527	0.497514
<i>Topors</i>	chr4:40259600-40269850	28.3680	27.5941	-0.0399	0.387477
<i>Bend5</i>	chr4:111415005-111460298	2.3322	2.0605	-0.1786	0.437476
<i>Zc3h4</i>	chr7:16401195-16437694	18.4150	19.8293	0.1068	0.358832
<i>Kdelr1</i>	chr7:45872771-45883731	20.3406	19.4051	-0.0679	0.447600
<i>Kdm3a</i>	chr6:71588973-71632905	40.7202	39.5012	-0.0438	0.501466
<i>Ankrd13a</i>	chr5:114774676-114806200	67.3442	65.3245	-0.0439	0.456303
<i>Isy1</i>	chr6:87818446-87838759	44.7234	42.3522	-0.0786	0.490522
<i>Egr3</i>	chr14:70077444-70080157	2.6174	3.1000	0.2442	0.297984
<i>Gm16059</i>	chr15:79427219-79431629	1.3644	1.6019	0.2315	0.358756
<i>Gm11775</i>	chr11:121029401-121052357	7.4596	8.7147	0.2244	0.393862
<i>Fgfr10p</i>	chr17:8165500-8196804	9.4165	10.0190	0.0895	0.048712
<i>Cnppd1</i>	chr1:75134553-75142368	40.0210	38.9708	-0.0384	0.495516
<i>Klhdc2</i>	chr12:69296680-69310687	21.8004	20.9631	-0.0565	0.531096
<i>Rbm18</i>	chr2:36116078-36136773	7.9403	8.4919	0.0969	0.202775

Gm6630	chr16:23179555-23180011	9.4833	8.4358	-0.1689	0.319282
Chpf2	chr5:24586740-24594395	17.9143	17.0749	-0.0692	0.566459
Doc2g	chr19:4003320-4007005	2.2159	2.0007	-0.1474	0.398108
Lgals4	chr7:28833974-28841703	4.5805	4.2059	-0.1231	0.410438
Dck	chr5:88764995-88783281	18.5829	20.1945	0.1200	0.394212
Fbxl22	chr9:66508458-66514593	5.1408	5.6525	0.1369	0.308190
Glyctk	chr9:106152856-106158138	4.9479	4.6668	-0.0844	0.416246
Pdss1	chr2:22895521-22940266	4.2278	4.6376	0.1335	0.319574
Tmem41a	chr16:21934326-21947552	4.3233	3.8819	-0.1554	0.301820
Ppp6c	chr2:39194353-39226451	19.5813	20.6937	0.0797	0.090263
Ddx42	chr11:106216925-106249139	51.7418	54.4416	0.0734	0.137613
Gm16039	chr6:8259287-8597480	5.6911	6.0715	0.0933	0.240483
Dnhd1	chr7:105640561-105721799	2.2214	2.1019	-0.0798	0.477110
Klf2	chr8:72319032-72321656	130.5883	142.9883	0.1309	0.461891
Mrpl3	chr9:105053238-105077466	14.8263	14.1542	-0.0669	0.445067
Nsmce2	chr15:59374197-59601683	5.2850	4.9853	-0.0842	0.279552
Mss51	chr14:20482863-20496901	4.3652	4.9348	0.1770	0.332872
Plcl2	chr17:50509546-50688493	60.5899	59.5640	-0.0246	0.350766
Vti1a	chr19:55316350-55626561	11.5293	12.4948	0.1160	0.349505
Hars2	chr18:36783007-36792562	12.8289	12.2697	-0.0643	0.451371
Tsyp13	chr2:153222379-153225441	6.8669	7.4356	0.1148	0.193267
Fam129c	chr8:71597647-71607936	1.5703	1.4149	-0.1504	0.379554
Plin3	chr17:56278961-56290511	19.6539	18.7135	-0.0707	0.476475
Trbv12-2	chr6:41118863-41119364	43.6307	47.7298	0.1295	0.266620
Pcf11	chr7:92643711-92669933	48.4497	47.5073	-0.0283	0.394374
Galnt7	chr8:57523827-57653032	13.8359	14.7064	0.0880	0.191445
Gm20496	chr17:34199315-34205449	178.6893	171.6202	-0.0582	0.508322
Tmbim6	chr15:99392881-99410049	104.3008	102.3187	-0.0277	0.444214
Slc25a23	chr17:57043710-57059863	1.7310	2.0114	0.2166	0.437909
Pycard	chr7:127992102-127993867	71.8749	68.4960	-0.0695	0.503825
Mif4gd	chr11:115607917-115612969	27.9151	27.0046	-0.0478	0.390717
Chmp6	chr11:119913440-119919548	14.3071	13.7668	-0.0555	0.117635
Myo1h	chr5:114314940-114364576	8.8670	9.5191	0.1024	0.296609
Atg4b	chr1:93751499-93789434	10.5704	10.1926	-0.0525	0.496594
Gclm	chr3:122245556-122269984	3.4519	3.7762	0.1295	0.297611
A430005L14Rik	chr4:153957236-153961925	11.5329	10.8784	-0.0843	0.294680
Gltscr1l	chr17:46798115-46831413	7.3168	7.9347	0.1170	0.373645
B230322F03Rik	chr7:35555366-35556935	3.4425	3.1191	-0.1423	0.148398
Rbm7	chr9:48488708-48495330	55.8016	53.3754	-0.0641	0.485237
Traf3ip3	chr1:193175505-193201703	119.8810	117.4362	-0.0297	0.442596
Tbc1d20	chr2:152293827-152313996	25.2896	24.6426	-0.0374	0.396678
Hdgfrp3	chr7:81881250-81934473	7.3494	6.9367	-0.0834	0.554939
Pak1	chr7:97842934-97912381	4.0127	3.6396	-0.1408	0.476281
Dedd	chr1:171329144-171342331	7.2642	7.7532	0.0940	0.144196
Tmem50b	chr16:91574502-91597800	12.9359	12.4185	-0.0589	0.331400
Ttc19	chr11:62281472-62328451	7.5461	7.2532	-0.0571	0.340229
Heatr6	chr11:83753695-83783754	9.8505	9.5322	-0.0474	0.398276
Traj18	chr14:54200776-54200842	67.4604	78.2212	0.2135	0.319814
Ppp2r1a	chr17:20945310-20965916	47.8520	46.7586	-0.0333	0.409058
Zfp691	chr4:119169512-119174195	2.0281	2.3278	0.1988	0.295663
Tecpr2	chr12:110889263-110972394	3.5418	3.3692	-0.0721	0.467039
Dbnl	chr11:5788487-5800962	84.8526	81.6355	-0.0558	0.542819
Smn1	chr13:100124851-100137690	4.2482	4.7051	0.1474	0.219008
Ccsap	chr8:123840830-123860209	5.4922	6.0665	0.1435	0.300341
Gm11632	chr11:98084456-98085424	12.4528	13.8358	0.1519	0.170537
Magee1	chrX:105120395-105123909	1.9925	2.2688	0.1873	0.352051
Dusp6	chr10:99263230-99267488	15.6276	14.5702	-0.1011	0.530170
Sod2	chr17:13007838-13018119	13.2735	12.6685	-0.0673	0.441697
4930402H24Rik	chr2:130706199-130906406	3.9322	3.7894	-0.0534	0.340976
Helb	chr10:120083607-120112987	18.3953	19.4051	0.0771	0.120762
Ech1	chr7:28825216-28832247	29.0880	27.7287	-0.0690	0.511207
4632433K11Rik	chr7:5034117-5035246	5.1491	5.7897	0.1692	0.140530
Tec	chr5:72755717-72868483	11.4362	10.9471	-0.0631	0.403256
Pcid2	chr8:13077188-13105459	14.1997	13.6904	-0.0527	0.402442
Dpp8	chr9:65032457-65082650	44.8030	43.8049	-0.0325	0.433288
Ncoa2	chr1:13139104-13374083	18.1076	19.1960	0.0842	0.274714
1810062O18Rik	chr14:20546078-20570687	3.3081	2.9555	-0.1626	0.359441
Chd3	chr11:69343272-69369406	125.8093	119.5795	-0.0733	0.586936
Eapp	chr12:54670339-54695897	10.3847	11.2803	0.1194	0.378552
Nlrc3	chr16:3945006-3976632	17.9829	19.3798	0.1079	0.383807
Gm12250	chr11:58183842-58190198	42.5250	47.1765	0.1498	0.491940

<i>Dennd1b</i>	chr1:138963435-139176043	15.9690	15.6447	-0.0296	0.330014
<i>Marf1</i>	chr16:14109165-14159274	27.1316	28.4840	0.0702	0.110008
<i>Fam219b</i>	chr9:57537527-57543187	16.8957	16.2351	-0.0575	0.449917
<i>Ubr5</i>	chr15:37967327-38078853	36.1725	38.2615	0.0810	0.275847
<i>Tpd52l2</i>	chr2:181497164-181517966	11.7999	11.4369	-0.0451	0.245913
<i>Slc6a20b</i>	chr9:123593819-123632565	0.7281	0.8434	0.2121	0.213303
<i>Aff3</i>	chr1:38177325-38664955	19.4770	21.0982	0.1153	0.431670
<i>Ftl1</i>	chr7:45457943-45459884	80.9178	75.8809	-0.0927	0.538535
<i>Plekhb2</i>	chr1:34849975-34879580	6.8284	7.3572	0.1076	0.341833
<i>Gigyf2</i>	chr1:87326997-87450796	14.4034	14.0385	-0.0370	0.470810
<i>NA</i>	chr11:58327720-58330339	13.5178	12.7346	-0.0861	0.502116
<i>Cpsf7</i>	chr19:10525243-10547735	30.6638	32.4131	0.0800	0.194817
<i>Hist1h4b</i>	chr13:23756936-23757427	19.2512	16.7374	-0.2019	0.536396
<i>Gm15672</i>	chr5:139147575-139150693	4.1287	3.7146	-0.1525	0.436909
<i>Arhgap39</i>	chr15:76723984-76818170	3.9432	4.3168	0.1306	0.375717
<i>Map3k4</i>	chr17:12227620-12318660	17.1262	16.7111	-0.0354	0.285613
<i>Cnot11</i>	chr1:39534991-39546881	16.8976	16.2453	-0.0568	0.481072
<i>Rbm17</i>	chr2:11585438-11604153	39.6330	38.0923	-0.0572	0.467796
<i>Pold2</i>	chr11:5872179-5878292	19.1479	18.0079	-0.0886	0.515460
<i>Ppp4r1</i>	chr17:65782572-65841926	12.4885	13.2908	0.0898	0.201312
<i>Klhdc10</i>	chr6:30401867-30455179	5.7307	5.5159	-0.0551	0.455164
<i>Slc17a5</i>	chr9:78536487-78588041	4.3005	4.7389	0.1400	0.331707
<i>Supt4a</i>	chr11:87737551-87743623	49.2975	45.9696	-0.1008	0.514927
<i>Rpl23</i>	chr11:97777526-97782437	165.3555	147.0733	-0.1690	0.406970
<i>Clip1</i>	chr5:123577794-123684618	30.9690	30.2791	-0.0325	0.422168
<i>Ptpn9</i>	chr9:56994967-57062805	5.4458	5.1920	-0.0689	0.319048
<i>Yipf3</i>	chr17:46248079-46252537	26.7423	25.8017	-0.0517	0.508360
<i>Lrrprc</i>	chr17:84705246-84790789	17.2760	16.7991	-0.0404	0.464732
<i>Ube2v2</i>	chr16:15552676-15594524	3.1134	3.4303	0.1398	0.294885
<i>Dsel</i>	chr1:111858701-111864909	1.6281	1.8134	0.1555	0.335156
<i>Orc4</i>	chr2:48902823-48950277	11.2191	11.8977	0.0847	0.215185
<i>Mfsd8</i>	chr3:40818069-40846885	5.2394	5.6740	0.1150	0.122468
<i>Fam132b</i>	chr1:91366429-91374216	2.6853	2.4217	-0.1490	0.467540
<i>Adat2</i>	chr10:13552893-13563376	3.6117	4.1403	0.1971	0.333414
<i>Dock2</i>	chr11:34226814-34783892	121.3418	128.8565	0.0867	0.358272
<i>Gm12258</i>	chr11:58847157-58861956	14.2224	13.4872	-0.0766	0.530370
<i>Amz2</i>	chr11:109425945-109452813	10.3589	9.9746	-0.0545	0.408760
<i>Hectd1</i>	chr12:51743721-51829536	90.4903	88.4788	-0.0324	0.498940
<i>Nfxl1</i>	chr5:72513300-72559684	2.0258	2.2750	0.1674	0.327337
<i>Shkbp1</i>	chr7:27342132-27356019	10.1425	9.8042	-0.0489	0.181038
<i>Sertad1</i>	chr7:27486909-27490316	28.3524	26.6424	-0.0897	0.539204
<i>Rpl18</i>	chr7:45715456-45720835	56.3242	52.6762	-0.0966	0.570177
<i>Nap114</i>	chr7:143513578-143549090	107.0890	103.8889	-0.0438	0.460713
<i>1700017B05Rik</i>	chr9:57252321-57262599	9.9887	9.4345	-0.0824	0.580816
<i>Hsd17b10</i>	chrX:152001844-152004442	32.9177	30.8161	-0.0952	0.523132
<i>1810014B01Rik</i>	chr10:86685600-86694806	30.9135	32.9968	0.0941	0.179119
<i>Tmem11</i>	chr11:60864451-60879272	13.5619	12.8147	-0.0818	0.429131
<i>Fam160a2</i>	chr7:105371210-105400054	3.4266	3.7300	0.1224	0.375470
<i>5730405O15Rik</i>	chrX:13042014-13045297	4.2698	3.8815	-0.1375	0.417309
<i>Pgk1</i>	chrX:106187099-106203699	2.6413	2.9683	0.1684	0.227320
<i>Myc</i>	chr15:61985390-61990374	16.9541	18.8196	0.1506	0.461532
<i>Trappc8</i>	chr18:20817223-20896078	37.8517	36.5886	-0.0490	0.506939
<i>Suv39h2</i>	chr2:3455814-3475031	2.1902	2.0338	-0.1069	0.279878
<i>Sec61a2</i>	chr2:5870986-5895432	3.8922	4.2742	0.1350	0.291389
<i>Txnip</i>	chr3:96557956-96561883	311.7185	333.8119	0.0988	0.384704
<i>Itga7</i>	chr10:128933812-128958277	1.5536	1.8534	0.2545	0.530789
<i>Sfxn1</i>	chr13:54071844-54108346	18.4375	17.8688	-0.0452	0.184815
<i>Gusb</i>	chr5:129989010-130003049	9.7963	9.4263	-0.0555	0.422921
<i>Camk1</i>	chr6:113334123-113343984	0.9224	1.0403	0.1735	0.274798
<i>Hgsnat</i>	chr8:25944458-25976744	14.7301	14.0711	-0.0660	0.439926
<i>Gm15561</i>	chr12:69267770-69273432	8.8980	7.8892	-0.1736	0.394419
<i>Tmcc3</i>	chr10:94311948-94590956	0.9924	0.9059	-0.1317	0.329458
<i>Smg8</i>	chr11:87077731-87086774	8.9585	8.5483	-0.0676	0.393081
<i>Lonp2</i>	chr8:86624042-86723873	36.0492	35.3021	-0.0302	0.348178
<i>Med18</i>	chr4:132458730-132463921	7.0057	6.5620	-0.0944	0.359344
<i>Kdm3b</i>	chr18:34777007-34839370	23.0969	24.6248	0.0924	0.349923
<i>Mrps23</i>	chr11:88204387-88211507	33.0310	31.2822	-0.0785	0.500322
<i>Ptp4a3</i>	chr15:73723144-73758766	17.5393	16.6514	-0.0749	0.574401
<i>Rtf1</i>	chr2:119675067-119735407	21.1119	20.3702	-0.0516	0.507075
<i>1110008F13Rik</i>	chr2:156863127-156873563	23.9302	22.9605	-0.0597	0.469249
<i>Dpm2</i>	chr2:32570857-32573579	12.6890	13.7524	0.1161	0.247823

<i>Adora2a</i>	chr10:75316942-75334788	5.9040	5.4105	-0.1259	0.512230
<i>9930104L06Rik</i>	chr4:124937047-124944656	6.9584	6.6746	-0.0601	0.420689
<i>Hmg20b</i>	chr10:81346047-81350480	5.5462	6.0896	0.1348	0.321743
<i>Zfp748</i>	chr13:67538640-67553138	18.4311	17.6766	-0.0603	0.510572
<i>Jmy</i>	chr13:93430096-93499808	5.8811	6.3708	0.1154	0.404235
<i>Klh124</i>	chr16:20097553-20127744	36.6801	38.8855	0.0842	0.299369
<i>4933421O10Rik</i>	chr4:33027141-33031323	2.1396	2.3801	0.1537	0.237010
<i>Hist1h2bk</i>	chr13:22035820-22036299	8.1359	9.5624	0.2331	0.408893
<i>Gm9828</i>	chr13:98316421-98324415	7.2165	8.2452	0.1923	0.520860
<i>Cd101</i>	chr3:100993529-101029556	7.9618	7.4219	-0.1013	0.544709
<i>Eif4b</i>	chr15:102073772-102097172	161.4791	156.7025	-0.0433	0.522580
<i>Galnt11</i>	chr5:25222881-25265918	15.3365	14.6627	-0.0648	0.489613
<i>Myo7a</i>	chr7:98051059-98119524	0.6125	0.5450	-0.1685	0.463703
<i>Gm17035</i>	chr15:66929606-66931107	14.4167	12.9217	-0.1579	0.479707
<i>Bzw1</i>	chr1:58393135-58406548	93.9925	90.3771	-0.0566	0.529700
<i>Rpl4</i>	chr9:64173386-64178562	1363.3559	1282.6899	-0.0880	0.561256
<i>Tsta3</i>	chr15:75924683-75929730	22.1240	21.0297	-0.0732	0.453612
<i>Hdac10</i>	chr15:89123306-89128700	11.5268	11.0481	-0.0612	0.487530
<i>Ttc17</i>	chr2:94300766-94406689	10.2566	10.8449	0.0805	0.203092
<i>Chd4</i>	chr6:125095980-125130591	88.8873	93.6888	0.0759	0.218700
<i>Scoc</i>	chr8:83434492-83458391	2.3043	2.6444	0.1986	0.348003
<i>Qrich1</i>	chr9:108517086-108560167	84.1834	81.7723	-0.0419	0.471990
<i>Gm19684</i>	chr17:36121677-36129692	2.4380	2.8160	0.2080	0.209649
<i>Tmem87b</i>	chr2:128818117-128854261	12.7451	12.3519	-0.0452	0.471580
<i>Spata2</i>	chr2:167481132-167492887	5.6460	5.2979	-0.0918	0.551363
<i>Mbip</i>	chr12:56328305-56345894	13.9594	15.0811	0.1115	0.201358
<i>Ski</i>	chr4:155154074-15522592	34.7455	37.0519	0.0927	0.343979
<i>Fads6</i>	chr11:115279621-115297663	1.2318	1.1202	-0.1370	0.458250
<i>Rpsud3</i>	chr6:113415318-113419348	6.1229	5.7652	-0.0868	0.190873
<i>Rad23b</i>	chr4:55350042-55392237	24.1670	25.8473	0.0970	0.320806
<i>Ipo13</i>	chr4:117894485-117914999	3.8296	4.2741	0.1584	0.410384
<i>NA</i>	chr10:5020202-5069063	17.6544	16.7048	-0.0798	0.574780
<i>Acaca</i>	chr11:84129671-84401651	2.8414	2.6959	-0.0758	0.475570
<i>Pqlc3</i>	chr12:16988647-17000408	5.6226	6.0833	0.1136	0.339414
<i>Gtf2h5</i>	chr17:6079785-6086517	7.0145	7.6567	0.1264	0.363014
<i>1110037F02Rik</i>	chr4:11485957-11550684	33.5235	35.0879	0.0658	0.069334
<i>Gfer</i>	chr17:24693190-24696156	13.8686	12.9324	-0.1008	0.502546
<i>2010300F17Rik</i>	chr11:96712981-96747436	22.5184	24.0098	0.0925	0.268048
<i>Gm17139</i>	chr12:84918147-84919238	27.0688	29.5550	0.1268	0.297362
<i>Ptpn4</i>	chr1:119658043-119837613	7.0399	7.5563	0.1021	0.307515
<i>Rcn1</i>	chr2:105386290-105399319	17.3346	16.6945	-0.0543	0.485783
<i>Ttpal</i>	chr2:163602313-163619013	20.5243	19.9625	-0.0400	0.482433
<i>Gm9958</i>	chr5:90367203-90368487	4.0924	4.7644	0.2193	0.414675
<i>Plekha2</i>	chr8:25039143-25102194	39.0381	37.9031	-0.0426	0.501341
<i>Nat2</i>	chr8:67494866-67502580	14.9162	16.4037	0.1371	0.375700
<i>Usp10</i>	chr8:119910359-119957560	13.6057	13.2007	-0.0436	0.466261
<i>Mtcp1</i>	chrX:75404845-75416584	8.9715	9.7960	0.1269	0.114101
<i>Fndc3a</i>	chr14:72537945-72710003	10.4083	11.0645	0.0882	0.263814
<i>E430024P14Rik</i>	chr17:7881105-7946426	8.9195	9.6929	0.1200	0.397339
<i>Vars2</i>	chr17:35655633-35667592	9.6346	9.2081	-0.0653	0.538628
<i>Xrcc5</i>	chr1:72307420-72394952	23.6607	22.6397	-0.0636	0.524838
<i>Cttna1</i>	chr18:35118887-35254773	7.7460	8.5033	0.1346	0.438892
<i>Mllt10</i>	chr2:18055236-18212388	23.8799	25.1169	0.0729	0.115525
<i>Arpc5l</i>	chr2:39008075-39015877	29.3503	28.5421	-0.0403	0.431794
<i>Pmpcb</i>	chr5:21737140-21757152	15.1689	14.6433	-0.0509	0.471623
<i>H2-Q6</i>	chr17:35424849-35430055	80.4307	88.0599	0.1307	0.490444
<i>Flot2</i>	chr11:78037930-78060434	16.1626	15.3469	-0.0747	0.540639
<i>Cox4i1</i>	chr8:120668221-120674207	114.5347	108.0241	-0.0844	0.556188
<i>Sh3bp1</i>	chr15:78899666-78919032	42.8646	41.1648	-0.0584	0.582751
<i>Qk</i>	chr17:10206470-10319361	8.9777	9.5286	0.0859	0.219261
<i>Elk4</i>	chr1:132007606-132032612	43.1022	46.1765	0.0994	0.364240
<i>Gipc1</i>	chr8:83652677-83664788	18.1550	17.2350	-0.0750	0.520849
<i>Tap2</i>	chr17:34203526-34216321	63.9727	61.6544	-0.0533	0.594844
<i>Nemf</i>	chr12:69311543-69357176	42.0893	44.4421	0.0785	0.214568
<i>Smc5</i>	chr19:23206440-23273897	16.8872	17.9134	0.0851	0.250493
<i>Zfp189</i>	chr4:49521175-49531517	3.5290	3.8858	0.1390	0.252831
<i>Lnx2</i>	chr5:147016654-147076586	13.1541	14.2267	0.1131	0.413169
<i>Ap2a2</i>	chr7:141562179-141633011	32.0517	31.2075	-0.0385	0.415395
<i>Pced1a</i>	chr2:130417246-130424701	8.5114	8.2556	-0.0440	0.212985
<i>Zdhhc4</i>	chr5:143316488-143329256	12.2965	11.8357	-0.0551	0.372701
<i>2210016F16Rik</i>	chr13:58380045-58385225	18.0491	17.2924	-0.0618	0.463371

<i>Nbeal2</i>	chr9:110624788-110654161	14.2084	15.4012	0.1163	0.436482
<i>Hibch</i>	chr1:52845012-52920986	11.1838	10.5659	-0.0820	0.450623
<i>Dazap1</i>	chr10:80261485-80288408	30.5271	29.1959	-0.0643	0.565817
<i>Stk10</i>	chr11:32533304-32624587	107.1033	104.4114	-0.0367	0.550449
<i>Pqlc2</i>	chr4:139294028-139310708	1.6086	1.4599	-0.1399	0.364044
<i>Mdm2</i>	chr10:117688887-117710758	26.6354	25.8242	-0.0446	0.526218
<i>Mlst8</i>	chr17:24473549-24479078	12.9288	12.4788	-0.0511	0.433135
<i>Dnajc16</i>	chr4:141760188-141790931	5.3932	5.7807	0.1001	0.231206
<i>Aasdh</i>	chr5:76873658-76905514	5.2189	5.0179	-0.0567	0.425478
<i>Foxo4</i>	chrX:101254527-101260873	13.7496	14.7353	0.0999	0.326375
<i>Pcgf1</i>	chr6:83077868-83080855	5.5016	6.1456	0.1597	0.302818
<i>Tdrd3</i>	chr14:87416638-87545373	6.9400	6.6850	-0.0540	0.343425
<i>Zfp692</i>	chr11:58307068-58314627	21.3397	20.5791	-0.0524	0.388961
<i>Iji27</i>	chr12:103434210-103440239	62.4315	67.1295	0.1047	0.400518
<i>Agbl3</i>	chr6:34780431-34859459	0.8216	0.7456	-0.1401	0.489092
<i>Senp2</i>	chr16:22009483-22049269	23.1263	22.4125	-0.0452	0.513696
<i>Klhl12</i>	chr1:134455530-134491018	5.2080	5.0267	-0.0511	0.256395
<i>Man1a</i>	chr10:53904787-54075796	25.6508	25.0382	-0.0349	0.500099
<i>B130046B21Rik</i>	chr15:98807031-98816077	36.0302	35.0230	-0.0409	0.392691
<i>Eml3</i>	chr19:8929693-8941563	26.6431	25.4803	-0.0644	0.594005
<i>Sbno2</i>	chr10:80057415-80102698	23.6084	26.0024	0.1393	0.480684
<i>Acat3</i>	chr17:12923832-12940402	21.0350	19.9618	-0.0756	0.507116
<i>Lsm6</i>	chr8:78804864-78821140	7.9820	8.5078	0.0920	0.048052
<i>Stx5a</i>	chr19:8741412-8756069	24.0843	23.4282	-0.0398	0.502624
<i>Kcmf1</i>	chr6:72841113-72899979	20.6254	19.8714	-0.0537	0.466933
<i>Gpr4</i>	chr7:19212537-19224176	1.3407	1.5603	0.2189	0.305385
<i>Ccdc15</i>	chr9:37275834-37348392	4.1847	4.5757	0.1289	0.271175
<i>Prpf40a</i>	chr2:53134703-53191284	21.4614	22.6894	0.0803	0.233676
<i>Mmachc</i>	chr4:116702278-116708406	3.8905	3.6059	-0.1096	0.297188
<i>Elp2</i>	chr18:24603960-24638830	37.3524	36.5000	-0.0333	0.318439
<i>Cd3g</i>	chr9:44969571-44980431	587.9208	556.7359	-0.0786	0.558733
<i>Urgcp</i>	chr11:5713416-5762376	10.3346	10.0165	-0.0451	0.377596
<i>Wfikkn2</i>	chr11:94235955-94246005	2.7292	3.1424	0.2034	0.492804
<i>Mccc2</i>	chr13:99948532-100015639	6.9824	6.5490	-0.0924	0.434212
<i>BC147527</i>	chr13:120308145-120308649	35.0565	32.0191	-0.1307	0.531999
<i>1700028K03Rik</i>	chr5:107508943-107551549	1.1035	1.2419	0.1704	0.402666
<i>4930512H18Rik</i>	chr8:61849005-61922834	3.0110	3.6773	0.2884	0.485439
<i>Vill</i>	chr9:119052777-119071525	1.2838	1.1300	-0.1841	0.515884
<i>Cab39l</i>	chr14:59440980-59548903	24.0918	23.1784	-0.0558	0.520456
<i>Cd5</i>	chr19:10718142-10738974	216.0924	231.0524	0.0966	0.391892
<i>Gm13477</i>	chr2:44788264-44790951	1.7009	1.9306	0.1827	0.165399
<i>Sdcbp2</i>	chr2:151572621-151590005	9.4165	10.7306	0.1885	0.525724
<i>Hiat1</i>	chr3:116631163-116681260	25.9583	25.1075	-0.0481	0.498417
<i>Dlst</i>	chr12:85110832-85134091	48.8419	47.6278	-0.0363	0.489987
<i>Arvcf</i>	chr16:18348181-18407076	0.9328	0.8429	-0.1463	0.453879
<i>C230037L18Rik</i>	chr15:89476235-89484847	1.8556	2.1494	0.2120	0.249500
<i>Btg2</i>	chr1:134075169-134079120	139.8556	135.9423	-0.0409	0.509239
<i>Trbj1-2</i>	chr6:41534000-41534048	253.7726	279.6771	0.1402	0.327757
<i>Enox2</i>	chrX:49009706-49288259	5.8468	5.5241	-0.0819	0.481757
<i>Mgme1</i>	chr2:144270662-144281227	2.6332	2.4171	-0.1235	0.433495
<i>Hip1</i>	chr5:135406522-135545122	0.5735	0.9223	0.6855	0.412755
<i>Rngtt</i>	chr4:33310310-33502614	11.6626	11.3635	-0.0375	0.359807
<i>Hnrnpc</i>	chr14:52073379-52104028	50.3671	54.1538	0.1046	0.354494
<i>Slc8b1</i>	chr5:120511167-120534024	2.4742	2.2878	-0.1130	0.244402
<i>Ccdc47</i>	chr11:106197407-106216344	15.0480	14.5576	-0.0478	0.499717
<i>Cnp</i>	chr11:100574903-100591729	73.0236	71.0341	-0.0399	0.495991
<i>Tnfrsf1a</i>	chr6:125349361-125362484	11.4991	10.8912	-0.0784	0.514904
<i>Ppt1</i>	chr4:122836241-122859175	25.9060	27.3376	0.0776	0.160944
<i>Park7</i>	chr4:150897132-150914437	39.0190	37.2328	-0.0676	0.532204
<i>Sepw1</i>	chr7:15917207-15922402	93.1867	87.9956	-0.0827	0.569059
<i>E130208F15Rik</i>	chr7:30321739-30323472	8.9727	9.7841	0.1249	0.285059
<i>Hist1h4h</i>	chr13:23531043-23531519	150.1331	129.5711	-0.2125	0.405813
<i>Capn15</i>	chr17:25959555-25985680	4.2178	4.7471	0.1705	0.479345
<i>Epb4.1</i>	chr4:131923412-132075321	22.8424	24.1201	0.0785	0.205923
<i>Igf2bp3</i>	chr6:49085220-49214954	2.7158	2.9755	0.1318	0.212743
<i>Baz2b</i>	chr2:59899362-60209839	7.5383	8.0533	0.0953	0.375076
<i>Snora7a</i>	chr6:115807974-115808114	80.9912	93.8174	0.2121	0.536242
<i>Cndp2</i>	chr18:84667469-84685633	20.3893	22.0584	0.1135	0.334653
<i>Rcbtb2</i>	chr14:73123036-73207843	10.3870	10.0279	-0.0508	0.502796
<i>Gm21972</i>	chr1:86133636-86162788	17.1416	18.8280	0.1354	0.332662
<i>Pmf1</i>	chr3:88394142-88410316	13.9568	13.0033	-0.1021	0.493046

<i>Cntd1</i>	chr11:101279011-101296317	18.2033	17.5004	-0.0568	0.490218
<i>PsmA6</i>	chr12:55384221-55418454	45.3668	49.2821	0.1194	0.390780
<i>Pmm1</i>	chr15:81951107-81960930	3.0769	3.3810	0.1360	0.019411
<i>Map3k7</i>	chr4:31964096-32023467	18.4521	17.9581	-0.0391	0.524746
<i>Elovl1</i>	chr4:118428092-118432953	16.3898	15.8607	-0.0473	0.382358
<i>Lrrc71</i>	chr3:87736922-87748625	3.2625	3.0426	-0.1007	0.529410
<i>Serinc5</i>	chr13:92611137-92711944	9.9546	10.9512	0.1377	0.496166
<i>Rsu1</i>	chr2:13076966-13271431	5.5809	5.3145	-0.0705	0.507236
<i>Ccdc134</i>	chr15:82127921-82142200	15.9356	15.1262	-0.0752	0.506635
<i>Hist1h1a</i>	chr13:23763667-23764414	26.7784	32.8658	0.2955	0.409169
<i>Cmya5</i>	chr13:93040712-93144724	0.9213	1.0229	0.1509	0.363285
<i>Plcd4</i>	chr1:74542887-74567794	0.9891	0.9012	-0.1342	0.310759
<i>Xrcc1</i>	chr7:24547149-24573438	18.8688	18.1556	-0.0556	0.458092
<i>Pidd1</i>	chr7:141438112-141444025	1.0266	1.1857	0.2079	0.337477
<i>Mrpl4</i>	chr9:21002736-21008835	20.8906	19.8125	-0.0764	0.473249
<i>Pop5</i>	chr5:115235835-115245351	21.0933	20.3022	-0.0552	0.414751
<i>Csf1r</i>	chr18:61105571-61132149	3.2920	3.0632	-0.1039	0.543297
<i>Zfp574</i>	chr7:25077204-25083492	8.0787	7.6998	-0.0693	0.557086
<i>Egln3</i>	chr12:54178980-54203860	1.7901	2.2254	0.3140	0.575782
<i>Spata2l</i>	chr8:123232254-123236209	5.1793	4.8094	-0.1069	0.542433
<i>Plekho2</i>	chr9:65554385-65580040	13.3213	14.2603	0.0983	0.307230
<i>Sec24c</i>	chr14:20674320-20694850	55.7765	58.7889	0.0759	0.270185
<i>Ccnf</i>	chr17:24223231-24251409	1.3807	1.6259	0.2358	0.476789
<i>Frrs1</i>	chr3:116878226-116903750	3.5487	3.9364	0.1496	0.258045
<i>Slc27a1</i>	chr8:71568926-71586708	2.3024	2.1100	-0.1259	0.275583
<i>Hcfc1r1</i>	chr17:23673595-23675227	11.0418	12.2277	0.1472	0.346788
<i>Zfp26</i>	chr9:20432971-20460162	19.9511	20.8955	0.0667	0.064010
<i>Atp6v1f</i>	chr6:29467717-29470512	38.2246	35.9704	-0.0877	0.531507
<i>Dguok</i>	chr6:83480216-83506969	21.4340	20.7864	-0.0443	0.240530
<i>Slc9a6</i>	chrX:56609756-56664230	7.3710	7.8747	0.0954	0.238643
<i>Ppp1r12b</i>	chr1:134754657-134955942	3.0404	2.9134	-0.0616	0.543693
<i>Rer1</i>	chr4:155074109-155086382	80.5858	77.2106	-0.0617	0.533456
<i>Asah2</i>	chr19:31984653-32061469	2.6202	2.4237	-0.1124	0.516727
<i>Nme7</i>	chr1:164312878-164348181	10.6526	9.8061	-0.1195	0.430295
<i>Strn3</i>	chr12:51608540-51691914	27.8277	29.1679	0.0679	0.018336
<i>Nup155</i>	chr15:8109312-8159857	11.6250	11.2462	-0.0478	0.541139
<i>Lcmt2</i>	chr2:121128306-121140698	5.8267	6.3127	0.1156	0.290954
<i>App2</i>	chr10:83600032-83648738	12.8364	12.0991	-0.0853	0.569530
<i>Gm11706</i>	chr11:106814669-106816008	13.8042	12.2906	-0.1675	0.404862
<i>Aldh6a1</i>	chr12:84430722-84450950	10.1068	9.7207	-0.0562	0.396532
<i>Cep72</i>	chr13:74036494-74062285	3.4302	3.2080	-0.0966	0.420395
<i>Dhx29</i>	chr13:112927729-112969431	13.2336	12.6540	-0.0646	0.526786
<i>Gdpgp1</i>	chr7:80232866-80241006	7.7722	7.4217	-0.0666	0.463681
<i>AcsM3</i>	chr7:119760922-119787513	1.3454	1.4973	0.1543	0.222538
<i>Gm16163</i>	chr8:124831697-124863703	10.4242	9.7449	-0.0972	0.404814
<i>Wac</i>	chr18:7868831-7973547	19.6426	20.8730	0.0877	0.258339
<i>Taf13</i>	chr3:108571697-108583222	3.5751	3.9273	0.1355	0.294342
<i>Sep15</i>	chr3:144570303-144597680	63.0323	59.0611	-0.0939	0.565675
<i>Ldlrap1</i>	chr4:134744734-134768024	34.9555	34.0940	-0.0360	0.539172
<i>Eno1</i>	chr4:150236720-150248879	16.3821	15.6936	-0.0619	0.565704
<i>Tespa1</i>	chr10:130322851-130362642	62.9756	60.3973	-0.0603	0.568140
<i>Aak1</i>	chr6:86849516-86991864	7.3520	8.0436	0.1297	0.475664
<i>Ikzf5</i>	chr7:131388651-131410521	6.5244	6.9823	0.0978	0.270898
<i>PsmD13</i>	chr7:140881967-140898643	17.8921	17.2961	-0.0489	0.431141
<i>5031439G07Rik</i>	chr15:84943935-84988551	3.7919	3.6293	-0.0632	0.492813
<i>Tsc2</i>	chr17:24595936-24632629	10.4540	11.3292	0.1160	0.428321
<i>Srsf11</i>	chr3:158010472-158036639	29.1964	30.6712	0.0711	0.156570
<i>Gm13204</i>	chr4:148569055-148569876	10.2798	9.4899	-0.1153	0.440997
<i>Ganc</i>	chr2:120403895-120461700	5.5106	5.2700	-0.0644	0.548623
<i>Nrbf2</i>	chr10:67266688-67285305	3.7581	4.1622	0.1473	0.067873
<i>Tmem120b</i>	chr5:123068414-123117749	6.2493	5.9280	-0.0762	0.444654
<i>Nadsyn1</i>	chr7:143795583-143822849	6.1134	5.7657	-0.0845	0.492465
<i>Ddx19a</i>	chr8:110974995-110997800	5.1118	5.5240	0.1119	0.053171
<i>Nhej1</i>	chr1:74967138-75046639	5.2232	4.7444	-0.1387	0.364372
<i>Gapvd1</i>	chr2:34676183-34755232	27.8884	29.3483	0.0736	0.208963
<i>Acer2</i>	chr4:86874395-86934822	1.4202	1.3217	-0.1037	0.396938
<i>Fam160a2</i>	chr7:105371210-105373718	1.7223	2.0036	0.2183	0.360707
<i>Gemin6</i>	chr17:80224440-80228497	4.4482	3.8678	-0.2017	0.490085
<i>Uxs1</i>	chr1:43746965-43827800	2.7168	2.9964	0.1414	0.372371
<i>Mafg</i>	chr11:120625116-120633600	4.7169	5.1642	0.1307	0.426656
<i>Prkrip1</i>	chr5:136178126-136198963	5.9773	5.7040	-0.0675	0.339062

<i>Atad2</i>	chr15:58094046-58135082	17.8045	19.0079	0.0944	0.370749
<i>Pik3r5</i>	chr11:68432120-68497849	39.3263	38.1114	-0.0453	0.578133
<i>Rpa1</i>	chr11:75298165-75348324	55.0182	53.2383	-0.0474	0.562698
<i>Sp4</i>	chr12:118234932-118301440	40.0808	39.3285	-0.0273	0.400234
<i>Gm20603</i>	chr9:21028306-21032357	3.4485	3.7890	0.1358	0.346247
<i>Taf7</i>	chr18:37640901-37644204	20.7473	19.6113	-0.0812	0.552160
<i>Chd6</i>	chr2:160946977-161109075	14.9360	15.7513	0.0767	0.288782
<i>Trim30a</i>	chr7:104409024-104465193	54.6018	58.8102	0.1071	0.455646
<i>Sugp2</i>	chr8:70234225-70279915	9.2637	8.9500	-0.0497	0.582766
<i>Rpl14</i>	chr9:120571516-120574653	359.4861	322.5918	-0.1562	0.440647
<i>5730455P16Rik</i>	chr11:80360491-80378034	5.2155	5.6874	0.1250	0.393628
<i>Gm17083</i>	chr13:34006965-34008331	3.9666	4.5155	0.1870	0.360591
<i>Zfp74</i>	chr7:29930814-29954089	3.4460	3.7245	0.1121	0.215763
<i>Cdc14a</i>	chr3:116272552-116424032	2.3980	2.5657	0.0975	0.156328
<i>Tlcd1</i>	chr11:78176710-78181909	3.5951	3.4230	-0.0708	0.274714
<i>6430562O15Rik</i>	chr13:99396923-99412864	0.7302	0.8507	0.2204	0.406910
<i>Smarcd1</i>	chr15:99702286-99713995	12.0802	13.1135	0.1184	0.411912
<i>Ranbp1</i>	chr16:18239783-18248732	48.6376	46.0262	-0.0796	0.553276
<i>Phf5a</i>	chr15:81865318-81871911	33.6690	31.9349	-0.0763	0.492044
<i>Fxr1</i>	chr3:34020078-34069342	48.3249	51.4218	0.0896	0.291477
<i>Tbk1</i>	chr10:121546454-121586794	37.7444	39.6042	0.0694	0.084217
<i>Rsl1</i>	chr13:67173206-67183126	9.7662	10.5892	0.1167	0.183554
<i>Zfp410</i>	chr12:84316858-84343830	16.7764	16.2587	-0.0452	0.339902
<i>Fem1c</i>	chr18:46501745-46525971	11.0661	11.6839	0.0784	0.137988
<i>Ppa2</i>	chr3:133310109-133378235	10.6706	10.0869	-0.0812	0.501282
<i>Dennd5a</i>	chr7:109893779-109960470	4.4957	4.8013	0.0949	0.283287
<i>Ube2t</i>	chr1:134962564-134974162	2.3841	2.7149	0.1875	0.287353
<i>Fbxl20</i>	chr11:98082555-98150403	12.0746	12.8369	0.0883	0.376385
<i>Ankib1</i>	chr5:3689999-3803109	38.2345	37.1977	-0.0397	0.493001
<i>1700037H04Rik</i>	chr2:131146324-131160081	3.8699	3.5286	-0.1332	0.508816
<i>Dlg4</i>	chr11:70017084-70045532	3.3719	3.1907	-0.0797	0.483876
<i>Dek</i>	chr13:47084774-47106201	49.8363	52.9385	0.0871	0.320845
<i>Prkag2os2</i>	chr5:24873543-24875934	3.7509	4.2793	0.1901	0.372300
<i>Dnajb11</i>	chr16:22857844-22879634	30.1334	29.3521	-0.0379	0.417922
<i>Grpel2</i>	chr18:61712439-61726331	10.4948	10.1011	-0.0552	0.438930
<i>Prdm11</i>	chr2:92965150-93046167	1.1051	1.2129	0.1343	0.413048
<i>Ncoa3</i>	chr2:165992635-166073242	35.9891	38.1928	0.0857	0.352309
<i>Ppp3ca</i>	chr3:136670123-136937727	13.4690	12.8809	-0.0644	0.563137
<i>Sdf4</i>	chr4:155992871-156013610	51.2416	49.6433	-0.0457	0.565719
<i>Traj27</i>	chr14:54192302-54192361	81.7781	95.5641	0.2248	0.438584
<i>Cep19</i>	chr16:32099799-32108069	14.8647	14.0028	-0.0862	0.496531
<i>Pabpn1</i>	chr14:54892499-54898169	35.0016	33.9755	-0.0429	0.511498
<i>Mycbp2</i>	chr14:103113410-103346814	49.7261	47.8332	-0.0560	0.634312
<i>Fam126b</i>	chr1:58522805-58586323	8.1860	7.8839	-0.0542	0.542210
<i>Nsf</i>	chr11:103821781-103954056	11.6106	11.3045	-0.0385	0.457138
<i>Auh</i>	chr13:52835118-52929681	4.9922	4.7888	-0.0600	0.555874
<i>Gm17137</i>	chr7:126164032-126168403	2.5957	2.8972	0.1585	0.435938
<i>1110032A03Rik</i>	chr9:50762827-50775520	2.6958	2.9988	0.1537	0.417244
<i>NA</i>	chr13:67317941-67360605	6.6461	7.0893	0.0931	0.227570
<i>2310047M10Rik</i>	chr11:69059774-69061576	10.6884	10.1844	-0.0697	0.353029
<i>Phka2</i>	chrX:160502165-160598878	4.0449	4.3914	0.1186	0.383873
<i>Mir1894</i>	chr17:35917888-35917969	126.0417	138.8144	0.1393	0.244439
<i>Gbp11</i>	chr5:105323041-105346472	12.1450	13.3375	0.1351	0.456531
<i>Gpr137</i>	chr19:6938068-6942450	4.4400	4.1025	-0.1141	0.493299
<i>Zmynd11</i>	chr13:9684835-9765321	25.1770	24.7253	-0.0261	0.273510
<i>Napepld</i>	chr5:21662900-21701396	2.7132	2.5324	-0.0995	0.372408
<i>Zfp644</i>	chr5:106500893-106697287	23.0359	22.5944	-0.0279	0.404601
<i>NA</i>	chr8:122443655-122445647	8.3899	7.9662	-0.0748	0.322851
<i>Pfdn5</i>	chr15:102326115-102331873	120.0935	111.2858	-0.1099	0.590429
<i>Mob2</i>	chr7:142008552-142061034	27.6083	26.7202	-0.0472	0.340315
<i>Gm20604</i>	chr12:102741731-102758672	6.0728	6.5410	0.1072	0.081648
<i>Amd1</i>	chr10:40287457-40302188	4.1520	4.5253	0.1242	0.249982
<i>Hexdc</i>	chr11:121204432-121222655	2.3278	2.5691	0.1423	0.336365
<i>Tdp1</i>	chr12:99884516-99955219	2.3743	2.6114	0.1373	0.315659
<i>Ighm</i>	chr12:113418949-113422730	210.7009	198.1364	-0.0887	0.618396
<i>Agtpbbp1</i>	chr13:59449536-59585227	7.0785	6.8922	-0.0385	0.456795
<i>Gigyf1</i>	chr5:137518879-137527934	8.4092	9.1750	0.1257	0.449299
<i>Erc1</i>	chr6:119570803-119848150	2.9799	3.2058	0.1054	0.297465
<i>Tfpt</i>	chr7:3620323-3629929	15.2957	14.4406	-0.0830	0.464629
<i>Cnot3</i>	chr7:3645289-3661108	11.6699	12.5012	0.0993	0.323646
<i>Zfp551</i>	chr7:12415152-12422751	2.9141	3.2237	0.1457	0.230482

BC030336	chr7:120677619-120734854	8.0088	7.7365	-0.0499	0.353388
Ccl25	chr8:4325209-4360020	1.8505	2.0943	0.1786	0.215901
Nob1	chr8:107412485-107425051	7.5329	8.2285	0.1274	0.364514
Faim	chr9:98986372-99002018	21.7186	20.3658	-0.0928	0.535860
Dlg3	chrX:100767721-100818410	3.1414	2.9449	-0.0932	0.511697
Nudt13	chr14:20294689-20317575	4.1204	3.8322	-0.1046	0.444297
Mrps16	chr14:20391230-20393555	36.5986	40.5446	0.1477	0.459674
Fam208a	chr14:27428846-27483552	48.2092	50.7368	0.0737	0.215529
Sytl3	chr17:6673457-6738042	1.4091	1.5937	0.1776	0.348638
Poltd4	chr19:4231898-4233631	38.3638	36.2352	-0.0824	0.532632
Nenf	chr1:191306788-191318194	6.2285	5.6292	-0.1460	0.227004
Ino80c	chr18:24104756-24121953	15.4302	14.7048	-0.0695	0.511976
Mettl5	chr2:69871197-69885615	13.5567	14.6045	0.1074	0.377584
Slc9a8	chr2:167421711-167477000	9.1122	9.7359	0.0955	0.361840
Cd1d1	chr3:86995833-86999441	18.4941	17.7263	-0.0612	0.547362
A730011C13Rik	chr3:94994409-94997350	9.4786	10.2411	0.1116	0.250380
Prkab2	chr3:97658192-97673812	2.9039	3.2037	0.1417	0.404806
Txndc12	chr4:108834600-108862127	15.0044	14.2401	-0.0754	0.512086
Zbtb40	chr4:136979731-137048801	5.7175	5.4245	-0.0759	0.604976
Qrs1	chr10:43874187-43901745	6.0123	5.7385	-0.0673	0.387905
D19Bwg1357e	chr19:27388701-27429820	23.4943	22.7601	-0.0458	0.465127
Ddx56	chr11:6258918-6267772	25.5676	24.5750	-0.0571	0.538299
Exoc3	chr13:74169804-74208700	25.9075	25.3373	-0.0321	0.388065
B630019A10Rik	chr16:23175287-23224446	16.7194	17.9483	0.1023	0.331181
Zfp560	chr9:20345135-20385177	2.9646	3.2118	0.1155	0.209505
Fbxw17	chr13:50417863-50433780	3.3572	3.6598	0.1245	0.276697
Hdgfrp2	chr17:56079656-56100596	38.1532	40.5828	0.0891	0.318389
Asl	chr5:130011257-130025132	5.8632	5.5546	-0.0780	0.507862
Daxx	chr17:33909413-33915589	44.2749	47.3372	0.0965	0.409168
Cnot4	chr6:35022065-35133737	9.6372	10.3320	0.1004	0.387905
Ntng2	chr2:29194793-29253005	2.3748	2.6259	0.1450	0.284219
Cas21	chr4:148804428-148954889	0.4650	0.5306	0.1905	0.397752
Trim37	chr11:87127076-87220683	4.1704	3.9823	-0.0666	0.483658
Mrs2	chr13:24992482-25020379	15.2449	16.2682	0.0937	0.154087
Ext2	chr2:93695630-93822568	8.3158	8.0235	-0.0516	0.580330
Atad5	chr11:80089399-80135794	3.0280	3.2398	0.0975	0.157585
Stx18	chr5:38038741-38137765	6.5313	6.2865	-0.0551	0.291104
Ggct	chr6:54982579-54992950	4.6861	5.0480	0.1073	0.227309
Zfp60	chr7:27731388-27753702	5.6932	5.4855	-0.0536	0.454600
Hcst	chr7:30417716-30419854	124.3673	117.5402	-0.0815	0.550459
Aen	chr7:78895853-78911209	8.0359	7.6912	-0.0632	0.570275
Lage3	chrX:74351275-74353618	7.2334	6.7343	-0.1032	0.466660
4930453N24Rik	chr16:64751750-64771161	23.8726	22.8442	-0.0635	0.580032
Scaf4	chr16:90228956-90284425	9.9696	11.0472	0.1481	0.515489
Uhrf2	chr19:30030512-30093722	18.4599	17.9985	-0.0365	0.536661
Gm26792	chr19:46335286-46338538	1.7271	1.5484	-0.1576	0.401857
Bcl10	chr3:145924377-145934283	29.3585	28.1686	-0.0597	0.504099
Cnr2	chr4:135895393-135920207	6.7405	6.4547	-0.0625	0.425322
Slc5a2	chr7:128265656-128272430	2.8703	2.6473	-0.1167	0.497813
Vps26a	chr10:62454842-62486805	21.4866	20.6672	-0.0561	0.518930
Fam216a	chr5:122364579-122372364	9.1919	8.5984	-0.0963	0.404163
Atp6v1e1	chr6:120795244-120822685	55.8621	53.8151	-0.0539	0.514062
Irgq	chr7:24530647-24538599	5.0095	4.8177	-0.0563	0.503354
Tmem219	chr7:126886170-126922917	9.5523	9.0937	-0.0710	0.390220
St3gal1	chr15:67102874-67113992	9.7070	10.4056	0.1003	0.331386
Gm26642	chr1:135248560-135266443	3.5790	3.9042	0.1255	0.045058
Sfrp2	chr3:83766320-83774316	2.6634	2.3776	-0.1638	0.544283
Ptgrn	chr3:101040231-101110278	5.1062	4.7441	-0.1061	0.578268
Ap4m1	chr5:138172001-138178708	5.8709	5.5901	-0.0707	0.418604
Slc37a3	chr6:39334769-39377707	8.8679	9.4529	0.0922	0.263403
Hspa14	chr2:3488849-3512814	14.1740	13.8280	-0.0357	0.445976
Gm14321	chr2:167777466-167782569	4.7518	5.6325	0.2453	0.518245
Cnpy2	chr10:128322458-128327187	24.8742	23.5212	-0.0807	0.537718
Mir1896	chr13:21445159-21445240	133.4067	123.2681	-0.1140	0.462093
9130401M01Rik	chr15:58022275-58076425	16.3295	15.5442	-0.0711	0.492119
9230116N13Rik	chr1:136411915-136415519	1.7947	2.0425	0.1866	0.178475
Rpe	chr1:66700830-66719805	20.5049	21.7414	0.0845	0.202749
Plaa	chr4:94567513-94603244	21.4908	20.9377	-0.0376	0.477022
Mob1a	chr6:83326015-83343776	101.7990	98.2583	-0.0511	0.575723
Stxbp2	chr8:3630954-3643644	28.4843	27.5563	-0.0478	0.580528
Abca2	chr2:25428702-25448540	13.3279	14.4809	0.1197	0.497524

<i>Rapgef1</i>	chr2:29619719-29740978	33.5476	32.8873	-0.0287	0.570965
<i>Slirp</i>	chr12:87443895-87452206	35.0812	33.5577	-0.0641	0.554721
<i>Fry</i>	chr5:150259929-150497752	6.9291	7.5049	0.1152	0.472452
<i>Ugp2</i>	chr11:21321137-21371201	12.7720	13.5857	0.0891	0.215001
<i>Ccdc43</i>	chr11:102684685-102697782	9.5599	9.2190	-0.0524	0.286836
<i>Slc25a20</i>	chr9:108662097-108684641	16.2465	17.7239	0.1256	0.458788
<i>Gch1</i>	chr14:47153894-47189413	3.2083	3.5755	0.1563	0.355527
<i>Cd200r1</i>	chr16:44765735-44794978	11.6338	12.5252	0.1065	0.314554
<i>Sele</i>	chr1:164048233-164057677	2.4290	2.7286	0.1678	0.347391
<i>Med27</i>	chr2:29346818-29524793	6.7124	6.3657	-0.0765	0.527342
<i>Dhx8</i>	chr11:101732918-101767358	23.6116	23.1087	-0.0311	0.519260
<i>Pskh1</i>	chr8:105900440-105931778	17.4271	16.7569	-0.0566	0.571019
<i>Otub2</i>	chr12:103388681-103406350	2.3055	2.5771	0.1607	0.386800
<i>Hnrnpa0</i>	chr13:58125878-58128556	55.0910	53.5001	-0.0423	0.594761
<i>6330408A02Rik</i>	chr7:13258966-13278721	1.7799	1.9103	0.1020	0.221584
<i>Impg2</i>	chr16:56204312-56273756	0.4243	0.4930	0.2163	0.385435
<i>Mtfr1</i>	chr3:19187326-19220817	11.1414	10.7985	-0.0451	0.382370
<i>Lrp12</i>	chr15:39870602-39943994	2.9197	2.7375	-0.0929	0.451175
<i>Pprc1</i>	chr19:46044885-46072915	6.6226	7.2771	0.1360	0.522146
<i>lpp</i>	chr4:116507548-116538243	5.4700	6.0117	0.1362	0.354044
<i>BC029722</i>	chr2:155817729-155819426	17.9403	17.1019	-0.0690	0.465768
<i>Trim41</i>	chr11:48806403-48817353	14.3671	13.7931	-0.0588	0.540283
<i>Trafd1</i>	chr5:121371724-121385632	14.5036	13.8915	-0.0622	0.612862
<i>Churc1</i>	chr12:76765537-76783180	8.6003	9.3294	0.1174	0.428210
<i>Med25</i>	chr7:44879390-44892397	13.9185	13.4137	-0.0533	0.501061
<i>Map2k5</i>	chr9:63163768-63377902	12.0863	12.9989	0.1050	0.313425
<i>Diexf</i>	chr1:193104402-193130251	8.4281	9.0058	0.0956	0.285551
<i>Orc3</i>	chr4:34570795-34614944	21.9899	23.0988	0.0710	0.182879
<i>Necap1</i>	chr6:122874556-122888934	13.0970	12.5411	-0.0626	0.466578
<i>Cd55</i>	chr1:130439026-130462744	19.6623	21.4303	0.1242	0.496662
<i>Mrip</i>	chr11:59661304-59780860	9.0160	8.7686	-0.0401	0.567492
<i>Wdhd1</i>	chr14:47240943-47276832	3.3976	3.6597	0.1072	0.341469
<i>Mir3082</i>	chr17:25831364-25831428	115.1484	106.0634	-0.1186	0.380990
<i>Gm22744</i>	chr19:8725091-8725156	70.9777	79.8444	0.1698	0.197474
<i>Ddb1</i>	chr19:10605624-10629813	84.9829	83.2849	-0.0291	0.513906
<i>Alkbh1</i>	chr12:87425839-87443839	17.6609	17.2295	-0.0357	0.494946
<i>Zfp384</i>	chr6:125009144-125037870	6.7928	7.2500	0.0940	0.303243
<i>Ccdc107</i>	chr4:43492899-43495921	1873.7106	1654.7285	-0.1793	0.511705
<i>Cklf</i>	chr8:104250902-104264936	8.9620	9.6686	0.1095	0.243685
<i>Casc1</i>	chr6:145174833-145210970	1.1164	1.2516	0.1649	0.381278
<i>Usp35</i>	chr7:97309379-97332020	2.1702	1.9865	-0.1276	0.585890
<i>1700025G04Rik</i>	chr1:151884523-152090320	3.6682	3.4890	-0.0722	0.560391
<i>Tmed7</i>	chr18:46560234-46597535	16.5939	16.1564	-0.0385	0.515657
<i>Tmco4</i>	chr4:138972887-139059171	17.7238	17.0573	-0.0553	0.580505
<i>Irs2</i>	chr8:10986979-11008458	4.9606	6.0137	0.2777	0.482545
<i>Slc25a27</i>	chr17:43641899-43667015	5.9263	5.6433	-0.0706	0.238311
<i>Galk1</i>	chr11:116008456-116012719	13.5658	12.8479	-0.0784	0.481363
<i>Alkbh8</i>	chr9:3335477-3387050	7.6895	8.2590	0.1031	0.292660
<i>Clpx</i>	chr9:65294259-65330658	12.7619	13.4894	0.0800	0.116221
<i>Serac1</i>	chr17:6042195-6079741	2.6943	2.5347	-0.0881	0.474975
<i>Ensa</i>	chr3:95624979-95632102	44.2672	42.9638	-0.0431	0.527629
<i>B230369F24Rik</i>	chr1:178313327-178318549	1.9394	1.7686	-0.1331	0.266973
<i>Ankrd17</i>	chr5:90227189-90366185	20.4412	21.6350	0.0819	0.338086
<i>Tmcc1</i>	chr6:116018617-116193486	4.9779	5.3292	0.0984	0.309807
<i>3010003L21Rik</i>	chr6:148944866-148947129	2.9268	2.6371	-0.1504	0.504592
<i>1810030O07Rik</i>	chrX:12654878-12673668	26.6931	25.6271	-0.0588	0.543153
<i>Piga</i>	chrX:164419792-164433916	4.1663	4.4784	0.1042	0.274311
<i>Ccs</i>	chr19:4825365-4839322	35.1151	33.6441	-0.0617	0.530018
<i>Sdhc</i>	chr1:171127164-171150603	15.3397	14.8534	-0.0465	0.395144
<i>Gm26852</i>	chr7:19382219-19392718	4.0535	3.8772	-0.0642	0.496530
<i>Cttn3</i>	chr8:60910388-60983300	8.2665	8.7485	0.0817	0.339268
<i>Atxn7</i>	chr14:14012490-14107296	16.8164	17.8522	0.0862	0.335671
<i>Thoc6</i>	chr17:23668613-23673882	9.5326	9.1147	-0.0647	0.316933
<i>Tnfrsf13b</i>	chr11:61126754-61149372	14.1804	13.4876	-0.0723	0.539623
<i>Ndufa9</i>	chr6:126821862-126849144	40.6560	38.8350	-0.0661	0.573054
<i>Hnrnpm</i>	chr17:33646232-33686860	57.9241	56.2651	-0.0419	0.578209
<i>Gm15601</i>	chr14:45587739-45598512	2.7033	2.9331	0.1177	0.060458
<i>A430046D13Rik</i>	chr10:128499363-128504242	6.8239	7.4059	0.1181	0.253267
<i>Trbv1</i>	chr6:40891295-40891885	86.5560	82.2420	-0.0738	0.525886
<i>Carkd</i>	chr8:11497505-11514960	13.0424	12.6653	-0.0423	0.420040
<i>Rpl39</i>	chrX:37082519-37085402	136.1754	157.8367	0.2130	0.408357

<i>Vps18</i>	chr2:119288739-119298453	6.5855	6.2497	-0.0755	0.595816
<i>Ice1</i>	chr13:70588688-70637634	28.0910	29.7575	0.0831	0.362608
<i>Ppp4r2</i>	chr6:100833637-100868717	14.5630	14.0700	-0.0497	0.518622
<i>Acadsb</i>	chr7:131410600-131446211	7.3505	7.9008	0.1042	0.357392
<i>Tbc1d22a</i>	chr15:86214458-86498503	15.1421	14.7278	-0.0400	0.402533
<i>Mipep</i>	chr14:60784565-60903610	6.7688	6.4283	-0.0745	0.430297
<i>Mgat4a</i>	chr1:37439339-37541016	11.7439	11.4494	-0.0366	0.521885
<i>Ccbl1</i>	chr2:30185123-30205847	6.0342	5.7605	-0.0670	0.394501
<i>Fbxo10</i>	chr4:45034246-45084604	1.3955	1.2864	-0.1174	0.351961
<i>Fktn</i>	chr4:53713997-53765785	3.0204	3.2682	0.1137	0.309416
<i>Son</i>	chr16:91647505-91679221	87.0936	91.5389	0.0718	0.306395
<i>Micu3</i>	chr8:40307457-40386308	2.9533	3.2391	0.1333	0.436222
<i>Rin1</i>	chr7:28788968-28798963	80.8454	78.9467	-0.0343	0.600999
<i>Gdi1</i>	chrX:74304997-74311862	35.1472	34.1784	-0.0403	0.599607
<i>Gm26749</i>	chr17:74575380-74617119	28.6186	27.5655	-0.0541	0.591469
<i>Mtpap</i>	chr18:4375591-4397330	21.5245	22.8973	0.0892	0.312387
<i>Tor1a</i>	chr2:30960626-30967933	20.5801	19.8750	-0.0503	0.461149
<i>Lrig2</i>	chr3:104453983-104511856	10.4246	10.1336	-0.0409	0.522370
<i>Uqcrb</i>	chr13:66900616-66905378	15.1142	16.6303	0.1379	0.404113
<i>Matk</i>	chr10:81252934-81263365	9.8799	10.7554	0.1225	0.508473
<i>Zfp759</i>	chr13:67128227-67141787	6.2599	6.7508	0.1089	0.342818
<i>Krtcap3</i>	chr5:31251690-31253202	11.9342	13.3609	0.1629	0.493862
<i>Mrps18c</i>	chr5:100798626-100804471	17.0152	18.6335	0.1311	0.426510
<i>Lsm3</i>	chr6:91515927-91522625	24.9112	23.2912	-0.0970	0.561522
<i>Mapk3</i>	chr7:126759600-126765819	10.4853	10.0270	-0.0645	0.467936
<i>Orc6</i>	chr8:85299631-85308278	9.2909	8.7092	-0.0933	0.479143
<i>Zfx</i>	chrX:94074630-94123702	13.6859	14.4873	0.0821	0.278723
<i>Plec</i>	chr15:76170973-76232574	58.7804	55.8835	-0.0729	0.661819
<i>Naa30</i>	chr14:49172225-49191031	18.9172	18.3951	-0.0404	0.571779
<i>Tcp1</i>	chr17:12915700-12925067	56.1147	54.1402	-0.0517	0.579391
<i>Rpl22l1</i>	chr3:28805435-28807352	74.2956	87.1043	0.2295	0.450566
<i>Il6st</i>	chr13:112475007-112506860	88.9376	94.5502	0.0883	0.418791
<i>Bbx</i>	chr16:50191843-50432390	9.2738	9.7546	0.0729	0.233095
<i>Ercc3</i>	chr18:32240299-32270151	18.1508	19.3088	0.0892	0.262254
<i>Dennd2c</i>	chr3:103102603-103169769	1.3179	1.2097	-0.1236	0.514444
<i>Ube2j1</i>	chr4:33031415-33052363	47.8104	46.0047	-0.0555	0.574712
<i>Usp48</i>	chr4:137593754-137658537	19.2646	20.2729	0.0736	0.285469
<i>Fbxo22</i>	chr9:55208924-55224433	20.1998	19.4806	-0.0523	0.514390
<i>Lsm2</i>	chr17:34981861-34985891	5.5112	5.2468	-0.0709	0.422680
<i>Apex1</i>	chr14:50924967-50927139	36.1348	34.5393	-0.0652	0.543109
<i>Xpa</i>	chr4:46155346-46196311	18.7743	19.9531	0.0879	0.173094
<i>Gm26602</i>	chr10:79910855-79911140	49.0054	46.6473	-0.0711	0.211425
<i>Nsd1</i>	chr13:55209781-55318325	47.5048	50.0074	0.0741	0.302115
<i>Atg16l2</i>	chr7:101289391-101302251	14.9513	14.5337	-0.0409	0.500650
<i>Cep68</i>	chr11:20227036-20249429	17.1135	16.7619	-0.0300	0.503094
<i>Gm23973</i>	chr7:103271549-103271870	15.1601	13.4748	-0.1700	0.456752
<i>1110038B12Rik</i>	chr17:34950237-34952471	6.1886	6.7544	0.1262	0.244226
<i>Lzic</i>	chr4:149485228-149496668	9.9997	9.5375	-0.0683	0.325857
<i>Mrpl17</i>	chr7:105806657-105811099	6.3150	6.7324	0.0923	0.156472
<i>Ripk2</i>	chr4:16122732-16163647	10.4737	11.1990	0.0966	0.304185
<i>Jag2</i>	chr12:112908589-112929495	1.8561	1.7281	-0.1031	0.382181
<i>Pde7a</i>	chr3:19223107-19311322	17.8648	19.0177	0.0902	0.408909
<i>Fxyd5</i>	chr7:31032721-31042481	130.0087	125.0255	-0.0564	0.613105
<i>Med26</i>	chr8:72494557-72548310	6.7948	7.3534	0.1140	0.344203
<i>Mrps6</i>	chr16:92058269-92112227	8.4969	9.2109	0.1164	0.251948
<i>Zfp81</i>	chr17:33329341-33358878	5.1179	5.5055	0.1053	0.396050
<i>Rtel1</i>	chr2:181319738-181356616	19.4535	18.9356	-0.0389	0.611280
<i>Rab5b</i>	chr10:128677192-128696268	15.3637	14.7759	-0.0563	0.522719
<i>Psmo1</i>	chr7:114264605-114276118	46.1736	44.1288	-0.0653	0.576808
<i>Raver1</i>	chr9:21074167-21091988	16.2836	17.7259	0.1224	0.486069
<i>Fastkd2</i>	chr1:63730613-63754655	6.0142	5.7354	-0.0685	0.539149
<i>B4galt3</i>	chr1:171270327-171276896	8.5391	8.2350	-0.0523	0.554047
<i>Rmnd1</i>	chr10:4401914-4432388	8.3979	8.1299	-0.0468	0.483533
<i>Ccdc125</i>	chr13:100669480-100697240	16.4670	15.9516	-0.0459	0.396027
<i>Igfbp1</i>	chrX:100494290-100516125	20.6480	19.8675	-0.0556	0.563754
<i>mmu-mir-3061</i>	chr11:52124529-52127779	7.8164	8.4389	0.1105	0.356701
<i>Ndufa12</i>	chr10:94198954-94221443	13.1105	12.0781	-0.1183	0.553236
<i>Usp15</i>	chr10:123113243-123196935	43.0071	45.3296	0.0759	0.288071
<i>9930021J03Rik</i>	chr19:29714401-29806009	9.1963	8.9812	-0.0341	0.474525
<i>Zfp518a</i>	chr19:40894704-40917947	22.5680	21.9780	-0.0382	0.544851
<i>Snord47</i>	chr1:161038081-161038158	66.5446	74.6415	0.1657	0.270843

<i>Dnajc9</i>	chr14:20384637-20388910	52.6097	50.1837	-0.0681	0.577459
<i>Abcc1</i>	chr16:14361557-14475737	6.3753	6.8234	0.0980	0.417349
<i>E030030I06Rik</i>	chr10:22113049-22148823	2.5250	2.2997	-0.1348	0.503772
<i>Gm23130</i>	chr10:23786469-23786543	66.5269	74.0731	0.1550	0.051302
<i>Tmem5</i>	chr10:122078113-122097371	3.6581	3.9420	0.1078	0.303353
<i>Gm12000</i>	chr11:11695132-11696439	33.4773	36.3508	0.1188	0.400700
<i>Gm11423</i>	chr11:82779600-82781042	6.9354	6.3993	-0.1161	0.276524
<i>Al662270</i>	chr11:83223575-83226604	66.0201	63.1257	-0.0647	0.573024
<i>Becn1</i>	chr11:101285951-101302286	24.9922	24.4689	-0.0305	0.488486
<i>Armc7</i>	chr11:115475666-115490467	32.6786	31.6884	-0.0444	0.563717
<i>Gpr68</i>	chr12:100876681-100908198	9.3931	11.3444	0.2723	0.472760
<i>Polk</i>	chr13:96480688-96542485	6.6431	7.1225	0.1005	0.334074
<i>Mrps27</i>	chr13:99344785-99415561	6.9268	7.5288	0.1202	0.272375
<i>Taok3</i>	chr5:117120128-117275219	7.6474	8.0656	0.0768	0.260807
<i>Rita1</i>	chr5:120594304-120612589	1.6312	1.4823	-0.1381	0.356186
<i>Snrnp35</i>	chr5:124483133-124491124	3.1937	3.6362	0.1872	0.290940
<i>Bpgm</i>	chr6:34476206-34505613	9.3837	10.0305	0.0962	0.346638
<i>Gm4070</i>	chr7:105895138-105953967	0.5532	0.6566	0.2471	0.554183
<i>Hras</i>	chr7:141189104-141194005	8.1729	7.8680	-0.0549	0.433089
<i>Glg1</i>	chr8:111154420-111259216	28.0963	29.9300	0.0912	0.442429
<i>Ccdc84</i>	chr9:44410159-44418003	19.9152	21.3894	0.1030	0.315090
<i>Wdr6</i>	chr9:108572312-108578670	22.9052	22.3666	-0.0343	0.494794
<i>Dcaf13</i>	chr15:39112873-39146856	44.4190	42.8932	-0.0504	0.522189
<i>L3mbtl2</i>	chr15:81663888-81688315	8.7008	8.4750	-0.0379	0.383212
<i>Gm6904</i>	chr14:59244440-59260216	4.5722	5.1988	0.1853	0.315666
<i>Mapk8ip3</i>	chr17:24892152-24936977	18.7287	19.8558	0.0843	0.389089
<i>Ager</i>	chr17:34597861-34600934	3.6255	4.0358	0.1547	0.300160
<i>Abhd10</i>	chr16:45729724-45742955	4.6957	5.0660	0.1095	0.300713
<i>Gm15342</i>	chr16:96036089-96038743	7.3193	6.9381	-0.0772	0.416667
<i>Trim8</i>	chr19:46501647-46516444	21.5542	23.2696	0.1105	0.454003
<i>Bcs1l</i>	chr1:74588288-74592443	6.2118	6.7063	0.1105	0.160404
<i>1700026D11Rik</i>	chr2:132490633-132524057	1.5802	1.3820	-0.1934	0.512556
<i>Fam46c</i>	chr3:100451627-100489324	27.7883	29.8544	0.1035	0.466902
<i>Wdtdc1</i>	chr4:133292458-133353481	6.4521	6.2358	-0.0492	0.449434
<i>Stard9</i>	chr2:120629125-120731897	1.2137	1.3221	0.1235	0.428097
<i>Ap2a1</i>	chr7:44900372-44929496	15.9069	15.3887	-0.0478	0.597497
<i>Epb4.1l2</i>	chr10:25359797-25523519	18.3525	19.6662	0.0997	0.379029
<i>Zfp354c</i>	chr11:50811085-50827724	2.8991	2.7289	-0.0873	0.519311
<i>Coa3</i>	chr11:101277967-101279114	31.9283	29.9511	-0.0922	0.567867
<i>Pde4d</i>	chr13:108449947-109953461	4.9743	5.3061	0.0932	0.338540
<i>Gm26779</i>	chr5:109886230-109891137	8.8436	8.0691	-0.1322	0.275609
<i>Get4</i>	chr5:139252323-139270051	8.5458	8.1559	-0.0674	0.502096
<i>Slc12a4</i>	chr8:105943589-105966115	3.7525	4.1615	0.1493	0.490228
<i>Cox6c</i>	chr15:35925885-35938246	20.2455	21.7661	0.1045	0.422101
<i>Hist1h2bg</i>	chr13:23571395-23572013	17.8250	20.0223	0.1677	0.517013
<i>Tmem120a</i>	chr5:135735484-135744271	9.4918	10.2253	0.1074	0.182564
<i>Dnajc15</i>	chr14:77826216-77874917	61.0209	56.4686	-0.1119	0.596636
<i>Epb4.1l4a</i>	chr18:33796326-34007206	1.2054	1.0999	-0.1322	0.200251
<i>Gm22009</i>	chr3:69085104-69085447	4178.8772	3940.9301	-0.0846	0.634243
<i>1500002C15Rik</i>	chr4:155732547-155734627	13.6277	13.0791	-0.0593	0.465837
<i>St3gal3</i>	chr4:117932153-118134914	2.4224	2.2303	-0.1192	0.427160
<i>Cd37</i>	chr7:45233631-45239115	42.4467	41.3848	-0.0366	0.617208
<i>Trmt13</i>	chr3:116581092-116614587	10.0646	10.6029	0.0752	0.103536
<i>Tmf1</i>	chr6:97155265-97179124	44.5959	43.4475	-0.0376	0.549609
<i>Arid4a</i>	chr12:71015989-71098592	44.4311	47.0130	0.0815	0.336579
<i>Man1c1</i>	chr4:134561689-134704290	1.5072	1.6797	0.1563	0.418187
<i>Eif2ak4</i>	chr2:118388617-118475234	4.3544	4.6468	0.0938	0.305587
<i>Foxj2</i>	chr6:122819913-122845366	7.7661	8.4083	0.1146	0.459037
<i>Nacc1</i>	chr8:84670482-84687862	11.3444	10.9538	-0.0505	0.588931
<i>Zxdb</i>	chrX:94724568-94730191	2.3080	2.5232	0.1286	0.404449
<i>Isca2</i>	chr12:84773269-84775089	29.4499	28.1365	-0.0658	0.496073
<i>Bod1l</i>	chr5:41787541-41844168	35.1924	36.9239	0.0693	0.275267
<i>Mios</i>	chr6:8209221-8236274	8.7732	9.2448	0.0755	0.164233
<i>Ppp5c</i>	chr7:17004639-17027924	19.3802	18.8089	-0.0432	0.525683
<i>Oaz2</i>	chr9:65668000-65690300	4.0089	3.7260	-0.1056	0.516097
<i>3110052M02Rik</i>	chr17:21657581-21662540	6.9440	6.3816	-0.1218	0.527386
<i>Tbc1d22b</i>	chr17:29549787-29606895	14.0077	14.9922	0.0980	0.381634
<i>Hist2h2ab</i>	chr3:96219864-96220308	12.7021	11.4491	-0.1498	0.486115
<i>Akna</i>	chr4:63367124-63403354	75.6777	81.9668	0.1152	0.530519
<i>B230319C09Rik</i>	chr6:83441754-83448322	3.8279	4.3005	0.1679	0.484586
<i>Rhot2</i>	chr17:25838456-25844851	18.0802	17.6122	-0.0378	0.550695

<i>Foxp4</i>	chr17:47867132-47924645	3.5268	3.9552	0.1654	0.515463
<i>Nr2c2ap</i>	chr8:70131332-70133739	19.0507	18.2153	-0.0647	0.528028
<i>Abr</i>	chr11:76416733-76622314	14.6755	14.2841	-0.0390	0.609600
<i>Ahi1</i>	chr10:20952546-21080428	4.2733	4.6829	0.1321	0.494592
<i>Lppr3</i>	chr10:79860474-79874634	7.4500	7.2168	-0.0459	0.404997
<i>Tbc1d9b</i>	chr11:50131395-50172785	17.3476	16.8092	-0.0455	0.630873
<i>Pthr2</i>	chr11:86683984-86692457	8.5727	9.1780	0.0984	0.297120
<i>Msi2</i>	chr11:88339381-88718513	13.8318	14.6904	0.0869	0.399369
<i>Ubtf</i>	chr11:102304559-102319742	42.7425	41.8939	-0.0289	0.553236
<i>L2hgdh</i>	chr12:69690435-69724874	2.7543	2.5590	-0.1061	0.510991
<i>Tmem156</i>	chr5:65063207-65091555	24.7803	23.6708	-0.0661	0.405466
<i>N4bp2</i>	chr5:65763520-65830108	9.9637	10.6345	0.0940	0.401001
<i>Smyd5</i>	chr6:85431988-85446435	9.6973	10.3279	0.0909	0.232523
<i>Anapc15</i>	chr7:101881324-101901845	4.8702	4.6592	-0.0639	0.410108
<i>Afg3l1</i>	chr8:123477902-123503916	7.4033	7.8714	0.0885	0.173699
<i>Cers5</i>	chr15:99733505-99772885	19.4601	19.0580	-0.0301	0.440908
<i>Tfg</i>	chr16:56690331-56717450	14.5945	14.0802	-0.0518	0.539355
<i>Samsn1</i>	chr16:75858792-76022270	10.8904	11.9027	0.1282	0.548046
<i>Prdx6</i>	chr1:161240111-161251219	35.0777	33.7895	-0.0540	0.576622
<i>Fbxo18</i>	chr2:11742572-11777582	15.7164	15.2030	-0.0479	0.613938
<i>Man1b1</i>	chr2:25332337-25352212	17.5981	17.0258	-0.0477	0.586836
<i>Metap1d</i>	chr2:71453275-71525194	11.4037	11.0623	-0.0438	0.442079
<i>Nipsnap3b</i>	chr4:53011879-53022060	18.4273	17.6368	-0.0633	0.514364
<i>Tnfrsf18</i>	chr4:156026163-156028895	42.7011	40.8611	-0.0635	0.615494
<i>Sumo1</i>	chr1:59639433-59670834	15.0992	16.3454	0.1144	0.426889
<i>Esf1</i>	chr2:140119882-140170564	10.9263	11.6570	0.0934	0.359349
<i>Tmem19</i>	chr10:115340738-115362262	13.1063	12.7519	-0.0395	0.342547
<i>Lemd3</i>	chr10:120923412-120979332	14.8563	15.6092	0.0713	0.158344
<i>Asb3</i>	chr11:30954394-31102704	7.4965	7.2201	-0.0542	0.490215
<i>Cox10</i>	chr11:63962626-64079468	9.2006	8.8920	-0.0492	0.358553
<i>Tmem14c</i>	chr13:41016249-41022575	39.8193	38.4032	-0.0522	0.460151
<i>Arl10</i>	chr13:54575014-54581128	3.1608	2.7967	-0.1766	0.596304
<i>Ctsl</i>	chr13:64363213-64370306	5.1645	4.7934	-0.1076	0.513914
<i>Dmtf1</i>	chr5:9118800-9161749	48.0050	50.3869	0.0699	0.260033
<i>Sdad1</i>	chr5:92284009-92310024	20.9445	20.5078	-0.0304	0.520571
<i>Atp2a2</i>	chr5:122442701-122502225	27.3042	28.6878	0.0713	0.265351
<i>Tsc22d4</i>	chr5:137745729-137768450	16.9547	16.5235	-0.0372	0.607838
<i>Cnpy4</i>	chr5:138187484-138193918	10.4621	10.0258	-0.0615	0.497016
<i>Klhl35</i>	chr7:99466003-99474022	2.2334	2.0479	-0.1251	0.467971
<i>Dhx32</i>	chr7:133720941-133782726	7.5674	7.2469	-0.0624	0.524503
<i>Bag4</i>	chr8:25764537-25785209	8.5252	9.0361	0.0840	0.255174
<i>Gm16845</i>	chr9:22071031-22086122	7.3100	6.9059	-0.0821	0.288897
<i>Prrg1</i>	chrX:78449612-78583896	1.5776	1.4690	-0.1029	0.613045
<i>Ttc21b</i>	chr2:66184326-66256617	3.2164	3.0714	-0.0665	0.523919
<i>Ola1</i>	chr2:73092800-73218924	16.1808	15.4396	-0.0676	0.571789
<i>Sqrdl</i>	chr2:122765236-122809569	2.6563	2.9808	0.1663	0.491607
<i>Ostc</i>	chr3:130695920-130709444	60.5571	57.7399	-0.0687	0.590382
<i>Ascc2</i>	chr11:4637746-4685699	10.3569	11.0122	0.0885	0.283202
<i>Cd3d</i>	chr9:44981792-44987052	191.9726	202.9767	0.0804	0.318221
<i>Abcf1</i>	chr17:35956818-35969761	35.9467	35.2182	-0.0295	0.505714
<i>Luc7l3</i>	chr11:94287889-94321988	56.6372	55.2390	-0.0361	0.602840
<i>Lrig1</i>	chr6:94604528-94700158	16.6751	16.0743	-0.0529	0.611647
<i>Jagn1</i>	chr6:113442568-113448229	15.0857	14.4155	-0.0656	0.361577
<i>Numbl</i>	chr7:27258432-27282144	0.4493	0.5158	0.1989	0.400692
<i>Bricd5</i>	chr17:24473883-24475469	10.9303	10.3100	-0.0843	0.441127
<i>Zfp101</i>	chr17:33360506-33394641	5.4183	5.1662	-0.0687	0.592565
<i>Uqcrfs1</i>	chr13:30540307-30545362	46.2689	44.3536	-0.0610	0.566369
<i>AA474408</i>	chr7:110057986-110061325	2.6969	2.9601	0.1344	0.348378
<i>Eif3m</i>	chr2:104999655-105017080	43.5404	41.5155	-0.0687	0.595923
<i>4921531C22Rik</i>	chr2:179975992-179979013	4.5159	4.9439	0.1306	0.200698
<i>Setd7</i>	chr3:51515318-51560878	22.8998	22.3550	-0.0347	0.611687
<i>Phf11a</i>	chr14:59276912-59297522	2.7217	3.1933	0.2305	0.509451
<i>Psat1</i>	chr19:15904677-15947337	9.0952	8.7701	-0.0525	0.493130
<i>Supv3l1</i>	chr10:62429208-62449738	13.4695	12.9177	-0.0603	0.584144
<i>Oaz1</i>	chr10:80826655-80829290	10.8040	11.6105	0.1039	0.332941
<i>Ap1b1</i>	chr11:4986823-5042791	33.4964	32.6865	-0.0353	0.614731
<i>Tefm</i>	chr11:80136677-80142175	4.4527	4.0283	-0.1445	0.529387
<i>Tmc6</i>	chr11:117765987-117782198	43.6969	42.5482	-0.0384	0.642907
<i>Brd9</i>	chr13:73937837-73960894	36.9630	36.0797	-0.0349	0.496067
<i>Atg10</i>	chr13:90935348-91223987	3.8997	4.4011	0.1745	0.444700
<i>Serbp1</i>	chr6:67266978-67289302	87.1944	84.1828	-0.0507	0.603694

<i>Gm15884</i>	chr6:124715572-124718831	30.8671	29.2355	-0.0784	0.487924
<i>Cdc16</i>	chr8:13757675-13781938	22.2973	21.7298	-0.0372	0.446259
<i>Ofd1</i>	chrX:166390032-166440704	11.3996	12.0230	0.0768	0.210074
<i>Eif1</i>	chr14:79481193-79582476	99.5611	97.3947	-0.0317	0.572612
<i>Zfand3</i>	chr17:30005086-30210019	22.3417	21.7367	-0.0396	0.467966
<i>Arpc2</i>	chr1:74236496-74268209	207.1229	198.8416	-0.0589	0.616282
<i>Kdsr</i>	chr1:106720409-106759742	8.3290	8.8262	0.0837	0.293683
<i>Dph6</i>	chr2:114516415-114654964	2.9471	3.1642	0.1025	0.274349
<i>Pigu</i>	chr2:155278242-155357430	2.7176	2.9246	0.1059	0.369862
<i>Tex10</i>	chr4:48430857-48473459	18.1934	17.7437	-0.0361	0.489414
<i>3110040N11Rik</i>	chr7:81782181-81789478	13.6873	13.0200	-0.0721	0.447216
<i>Gpr89</i>	chr3:96868280-96905346	4.6059	4.9656	0.1085	0.388942
<i>Ric8b</i>	chr10:84917615-85016446	10.4842	11.1725	0.0917	0.277379
<i>Rbak</i>	chr5:143172185-143180775	8.6565	9.2544	0.0964	0.309335
<i>Bace1</i>	chr9:45838579-45864399	4.7694	5.1440	0.1091	0.411151
<i>Zfand5</i>	chr19:21272277-21282289	11.1551	11.7862	0.0794	0.289686
<i>Trbv14</i>	chr6:41135166-41135609	22.5788	24.7233	0.1309	0.136948
<i>Zfp579</i>	chr7:4983482-4996158	1.5090	1.3987	-0.1095	0.358924
<i>Akap8</i>	chr17:32303675-32321153	103.0398	101.4404	-0.0226	0.584576
<i>Nhp211</i>	chr15:82041318-82047598	5.4011	5.0610	-0.0938	0.519538
<i>Tpd52</i>	chr3:8928625-9004723	4.1647	4.5862	0.1391	0.442798
<i>Irf9</i>	chr14:55603570-55610030	54.1294	57.5013	0.0872	0.425617
<i>Vmn2r97</i>	chr17:18914321-18948071	1.6205	1.8511	0.1919	0.399851
<i>Zfp369</i>	chr13:65278813-65304221	10.7937	11.5243	0.0945	0.431320
<i>Ppp1r16a</i>	chr15:76671614-76694919	3.7030	3.4643	-0.0962	0.591972
<i>Gmfb</i>	chr14:46808148-46822242	53.8973	52.1651	-0.0471	0.618112
<i>Ypel1</i>	chr16:17069695-17087045	5.5959	5.3965	-0.0523	0.490926
<i>Cdc42bpg</i>	chr19:6306455-6325652	1.3149	1.2202	-0.1078	0.541492
<i>Vmn2r84</i>	chr10:130385315-130394241	1.9113	2.1566	0.1742	0.404174
<i>Prpsap2</i>	chr11:61729649-61762088	9.4431	10.1689	0.1068	0.321977
<i>Aatf</i>	chr11:84422854-84513522	22.2229	21.7109	-0.0336	0.415309
<i>Smarce1</i>	chr11:99209046-99231017	9.3021	9.0751	-0.0356	0.440465
<i>Myl4</i>	chr11:104550662-104595753	0.9965	0.8917	-0.1604	0.456594
<i>Dhrs7</i>	chr12:72650355-72664828	17.6978	16.7330	-0.0809	0.559669
<i>Zscan12</i>	chr13:21362826-21369824	7.7192	8.2914	0.1032	0.303170
<i>Pelo</i>	chr13:115088356-115090188	5.9643	5.6202	-0.0857	0.356389
<i>Picalm</i>	chr7:90130231-90209447	77.6346	81.5806	0.0715	0.294544
<i>Trim34b</i>	chr7:104300229-104336909	8.8940	9.6140	0.1123	0.349128
<i>Ccdc82</i>	chr9:13246981-13289409	47.3053	46.0824	-0.0378	0.501670
<i>Sik2</i>	chr9:50892800-51009073	4.9472	5.2596	0.0883	0.337602
<i>Nme6</i>	chr9:109832748-109843116	2.1195	1.9112	-0.1492	0.474820
<i>Psme2</i>	chr14:55587440-55591113	32.9953	35.3107	0.0978	0.401216
<i>C920025E04Rik</i>	chr17:36109233-36111658	8.2539	9.1010	0.1409	0.322046
<i>Mta2</i>	chr19:8941874-8952303	81.1638	79.5891	-0.0283	0.560615
<i>Idh1</i>	chr1:65158615-65186479	6.0520	5.7366	-0.0772	0.424545
<i>Lman1</i>	chr18:65980753-66022580	6.3474	6.1308	-0.0501	0.526319
<i>Fam69b</i>	chr2:26628456-26636497	2.4568	2.7790	0.1778	0.437351
<i>Atp5g3</i>	chr2:73908446-73911326	33.7259	32.5585	-0.0508	0.563705
<i>Psmf1</i>	chr2:151715811-151744186	6.4341	6.8282	0.0858	0.247076
<i>Lsm14b</i>	chr2:180024986-180035465	19.6399	18.9281	-0.0533	0.603772
<i>1810022K09Rik</i>	chr3:14606319-14611221	48.4081	44.9492	-0.1070	0.590912
<i>Kcna2</i>	chr3:107101566-107106879	1.3214	1.1986	-0.1407	0.445464
<i>Macf1</i>	chr4:123349632-123684360	197.5535	191.5320	-0.0447	0.657889
<i>Xlr3b</i>	chrX:73192206-73202930	1.5494	0.7907	-0.9706	0.459249
<i>Rint1</i>	chr5:23787710-23820369	7.5503	7.3057	-0.0475	0.585597
<i>Mfap3</i>	chr11:57518663-57533815	13.2776	12.9966	-0.0309	0.487018
<i>Kbtbd3</i>	chr9:4309742-4331721	3.6539	3.9942	0.1285	0.176566
<i>Gm21844</i>	chr19:4801511-4805784	12.1988	13.4893	0.1451	0.344535
<i>Ythdf1</i>	chr2:180904376-180920949	23.4827	22.8414	-0.0399	0.622479
<i>Aarsd1</i>	chr11:101406838-101417615	10.2535	9.8607	-0.0563	0.403202
<i>Cd7</i>	chr11:121036746-121039418	32.3109	30.5739	-0.0797	0.619121
<i>Ube2a</i>	chrX:36874357-36884215	14.7969	15.7414	0.0893	0.098373
<i>Med19</i>	chr2:84678401-84688215	15.5446	16.5166	0.0875	0.235777
<i>Slc25a39</i>	chr11:102402984-102407946	10.7708	10.2318	-0.0741	0.596971
<i>Rmi1</i>	chr13:58402596-58411149	3.3299	3.1369	-0.0861	0.458291
<i>Prkag2</i>	chr5:24862743-25100642	5.8959	6.2930	0.0940	0.359970
<i>Cnbp</i>	chr6:87842614-87851106	139.4684	148.4617	0.0902	0.402943
<i>Alg11</i>	chr8:22060720-22071627	11.2817	10.9744	-0.0398	0.475181
<i>Tk2</i>	chr8:104226690-104248558	39.1736	41.1812	0.0721	0.242780
<i>Eif3l</i>	chr15:79075222-79094400	88.3517	85.8969	-0.0407	0.572077
<i>Galnt1</i>	chr18:24205343-24286818	32.2633	31.4952	-0.0348	0.605852

<i>Spg11</i>	chr2:122053519-122118386	12.1246	11.8524	-0.0328	0.549697
<i>Apmap</i>	chr2:150583079-150608567	16.1398	15.6459	-0.0448	0.456744
<i>Pik3r3</i>	chr4:116221617-116303056	1.4624	1.6159	0.1441	0.317429
<i>Mrps18a</i>	chr17:46110985-46128910	7.8733	8.3706	0.0884	0.202004
<i>Gm10451</i>	chr12:76444559-76451336	3.4109	2.0932	-0.7044	0.400892
<i>Hist1h2ac</i>	chr13:23681466-23683948	2.1908	2.4777	0.1776	0.440889
<i>lqsec1</i>	chr6:90659597-90810123	3.7698	4.1111	0.1250	0.489204
<i>Zfp358</i>	chr8:3493137-3497208	4.0858	3.8354	-0.0913	0.416058
<i>Yaf2</i>	chr15:93284277-93336935	12.7488	12.1281	-0.0720	0.539127
<i>Zfp395</i>	chr14:65358675-65398930	1.8994	1.7720	-0.1001	0.495829
<i>Mrps34</i>	chr17:24895115-24897502	23.7556	22.8757	-0.0545	0.573958
<i>Bysl</i>	chr17:47599330-47611492	17.8598	17.4328	-0.0349	0.520289
<i>Lmbrd1</i>	chr1:24678543-24766299	10.5101	11.0667	0.0744	0.200586
<i>lqcc</i>	chr4:129615125-129619099	18.2070	17.4644	-0.0601	0.596219
<i>Rfc1</i>	chr5:65261851-65335670	17.8336	18.6419	0.0639	0.053515
<i>Rpap1</i>	chr2:119763303-119787537	7.9602	7.5959	-0.0676	0.651774
<i>Card14</i>	chr11:119307767-119345375	2.9750	3.2484	0.1269	0.411424
<i>Srsf5</i>	chr12:80945503-80950507	177.5938	174.5616	-0.0248	0.543822
<i>Pmvk</i>	chr3:89459117-89469013	11.1017	10.4519	-0.0870	0.501435
<i>Rps27a</i>	chr11:29545845-29548109	12.9958	12.4735	-0.0592	0.476288
<i>Cenpc1</i>	chr5:86012042-86065583	11.7001	12.5058	0.0961	0.406211
<i>Chd2</i>	chr7:73426690-73541746	64.0005	67.1256	0.0688	0.286319
<i>Kctd13</i>	chr7:126928878-126945631	6.7206	7.2565	0.1107	0.299112
<i>Bbs9</i>	chr9:22475714-22888280	9.9338	9.6008	-0.0492	0.566492
<i>Skiv2l</i>	chr17:34839227-34850210	32.7807	31.8409	-0.0420	0.645502
<i>B130006D01Rik</i>	chr11:95723586-95726710	3.8511	4.2307	0.1356	0.401831
<i>Hist1h2be</i>	chr13:23583741-23621124	2.9806	3.3049	0.1490	0.477803
<i>Ubp1</i>	chr9:113930933-113977199	48.8525	47.8841	-0.0289	0.626789
<i>Wdyh1</i>	chr15:58141435-58158652	19.7619	21.0594	0.0917	0.263061
<i>Mettl7a1</i>	chr15:100304816-100314348	2.7803	3.0913	0.1530	0.284912
<i>Rft1</i>	chr14:30654359-30691317	5.3353	5.8213	0.1258	0.478230
<i>Zfp160</i>	chr17:21008940-21028852	14.2880	13.8587	-0.0440	0.566964
<i>Gm17080</i>	chr17:45586119-45588377	9.7052	10.7638	0.1494	0.422921
<i>Nhs1</i>	chr10:18390321-18533892	1.0446	1.1371	0.1224	0.384569
<i>Npcd</i>	chr15:79789674-79834237	5.2932	4.9350	-0.1011	0.490193
<i>Pno1</i>	chr11:17203197-17211568	13.2948	12.6860	-0.0676	0.525354
<i>Gars</i>	chr6:55038000-55079504	53.7329	52.5000	-0.0335	0.594744
<i>Mef2d</i>	chr3:88142371-88172086	14.1208	15.3521	0.1206	0.526459
<i>Mrpl46</i>	chr7:78775235-78783531	17.8042	16.9360	-0.0721	0.526490
<i>Ube2cbp</i>	chr9:86307233-86464950	3.3125	2.9665	-0.1592	0.569282
<i>Tmpo</i>	chr10:91147570-91171582	41.1570	40.0973	-0.0376	0.610708
<i>Eif2b1</i>	chr5:124570212-124579131	13.8766	13.2881	-0.0625	0.561981
<i>Ppil3</i>	chr1:58430993-58445486	19.1192	18.1166	-0.0777	0.588849
<i>Prr3</i>	chr17:35972540-35980236	5.0281	5.4935	0.1277	0.453586
<i>Dxo</i>	chr17:34837018-34839233	14.5884	15.6338	0.0998	0.371185
<i>Irf6</i>	chr1:193153111-193172042	7.2213	7.8060	0.1123	0.486885
<i>Ssrp1</i>	chr2:85037233-85047109	58.5496	57.2124	-0.0333	0.578626
<i>Atrip</i>	chr9:109057932-109074124	17.1908	18.2335	0.0850	0.377243
<i>Mttr12</i>	chr15:12205027-12272240	23.3663	22.9335	-0.0270	0.544017
<i>Psmb5</i>	chr14:54614119-54617995	19.8190	18.7485	-0.0801	0.522126
<i>Zap70</i>	chr1:36761860-36782816	99.2364	96.5163	-0.0401	0.636000
<i>Gm12352</i>	chr11:98438036-98439046	14.2249	13.3392	-0.0927	0.466692
<i>Trbv3</i>	chr6:41048393-41048824	151.2371	162.0337	0.0995	0.458733
<i>Tuba3a</i>	chr6:125278273-125286042	2.4701	2.8740	0.2185	0.424487
<i>Sh2b1</i>	chr7:126466993-126475130	14.3922	15.4425	0.1016	0.438580
<i>Mid1ip1</i>	chrX:10715012-10719690	5.6523	6.1150	0.1135	0.238972
<i>Alg12</i>	chr15:88805243-88819318	13.9268	13.4108	-0.0545	0.565265
<i>Gm15829</i>	chr16:33966238-33967312	5.0574	4.6164	-0.1316	0.441775
<i>Sod1</i>	chr16:90220741-90226322	102.7377	110.6081	0.1065	0.464697
<i>Casc4</i>	chr2:121866969-121936220	2.6937	2.9154	0.1141	0.380866
<i>Ggh</i>	chr4:20042051-20066750	5.6936	5.2252	-0.1239	0.552221
<i>Pomk</i>	chr8:25980603-25994121	5.1835	4.9402	-0.0694	0.540805
<i>4930412M03Rik</i>	chr11:60112218-60115230	6.2249	5.7811	-0.1067	0.463482
<i>Dym</i>	chr18:75018771-75286966	9.9118	10.6507	0.1037	0.320128
<i>Per2</i>	chr1:91415983-91459330	0.8921	1.0201	0.1934	0.475925
<i>Nckap1</i>	chr2:80500511-80581380	2.4579	2.6727	0.1209	0.386228
<i>Rps13-ps2</i>	chr7:88530404-88530925	59.8544	54.5944	-0.1327	0.658467
<i>Bcap31</i>	chrX:73686177-73716175	83.7816	81.2906	-0.0435	0.580902
<i>Phactr4</i>	chr4:132355922-132422489	1.1219	1.2739	0.1832	0.453228
<i>4930581F22Rik</i>	chr9:35116727-35130922	15.8665	15.3219	-0.0504	0.597050
<i>Hnnpnr</i>	chr4:136310941-136342968	23.4483	24.5910	0.0686	0.224599

<i>Erf</i>	chr7:25242560-25250761	7.5562	7.2050	-0.0687	0.617977
<i>Caap1</i>	chr4:94500080-94556796	5.4188	5.1670	-0.0686	0.527898
<i>Slc35d1</i>	chr4:103170648-103215164	2.3711	2.2343	-0.0857	0.548274
<i>Slc35b1</i>	chr11:95384691-95391776	13.5864	14.5039	0.0943	0.329684
<i>Chst15</i>	chr7:132235779-132317228	2.4185	2.6382	0.1255	0.381070
<i>Dusp2</i>	chr2:127336158-127338376	47.5034	50.4828	0.0878	0.426864
<i>Ntn1</i>	chr11:68209363-68400823	1.3370	1.4979	0.1639	0.465848
<i>Rpp40</i>	chr13:35893471-35906359	2.1038	2.2788	0.1153	0.325486
<i>Gm16907</i>	chr13:63289600-63297147	14.3590	15.3818	0.0993	0.396632
<i>Eif4g2</i>	chr7:111067984-111083030	80.5480	84.3737	0.0669	0.237271
<i>Raver2</i>	chr4:101068982-101152370	4.6256	4.9291	0.0917	0.274441
<i>Gm12744</i>	chr4:106587096-106589108	9.6022	8.5867	-0.1613	0.615877
<i>Perm1</i>	chr4:156215926-156221307	2.4300	2.2600	-0.1046	0.584571
<i>Mgea5</i>	chr19:45750260-45783520	91.3680	95.0061	0.0563	0.073840
<i>Pef1</i>	chr4:130102557-130128135	12.6890	12.0145	-0.0788	0.595838
<i>Gm11399</i>	chr11:3142047-3143363	14.4320	16.3904	0.1836	0.425278
<i>Fance</i>	chr17:28313529-28326568	7.1908	6.8397	-0.0722	0.608751
<i>Naca</i>	chr10:128035345-128048637	11.6311	10.9385	-0.0886	0.623082
<i>Ube3b</i>	chr5:114380627-114421168	21.9992	23.2590	0.0803	0.354177
<i>Zfp655</i>	chr5:145231722-145247302	16.8089	17.8317	0.0852	0.372717
<i>Arhgef1</i>	chr7:24902911-24926592	111.7913	119.8740	0.1007	0.509421
<i>Gm15598</i>	chr17:27988027-28008432	5.8229	5.2084	-0.1609	0.556906
<i>Rpf1</i>	chr3:146506347-146521423	68.0412	66.0159	-0.0436	0.567157
<i>Gsg2</i>	chr11:73135484-73138294	3.0926	3.3974	0.1356	0.407919
<i>Fam65b</i>	chr13:24582188-24733816	85.8952	84.9158	-0.0165	0.634111
<i>Slc25a40</i>	chr5:8422849-8454790	7.6852	8.2614	0.1043	0.365656
<i>Gm26648</i>	chr5:24696901-24704690	15.0456	15.7746	0.0683	0.165831
<i>Gm13842</i>	chr5:116026410-116029230	6.5431	5.9943	-0.1264	0.554384
<i>Fam134b</i>	chr15:25843263-25973687	54.7397	57.7683	0.0777	0.385456
<i>Fbxl17</i>	chr17:63057451-63500017	6.6336	7.1264	0.1034	0.447236
<i>Rabl3</i>	chr16:37539884-37572385	1.4920	1.6232	0.1216	0.223292
<i>Creb1</i>	chr1:64532803-64604547	35.2630	34.3941	-0.0360	0.607760
<i>Ralgps2</i>	chr1:156804165-156939626	15.5677	15.1750	-0.0369	0.583362
<i>Atp5c1</i>	chr2:10056015-10080510	101.8531	97.3073	-0.0659	0.624917
<i>Qser1</i>	chr2:104754794-104816696	2.2690	2.4841	0.1306	0.438874
<i>Mrps21</i>	chr3:95862633-95871519	16.9522	15.8177	-0.0999	0.585486
<i>Smim8</i>	chr4:34768663-34778423	10.3894	11.4785	0.1438	0.510675
<i>Trbv13-1</i>	chr6:41116035-41116468	123.4566	131.7141	0.0934	0.400132
<i>1810026J23Rik</i>	chr9:21592721-21595970	10.6065	10.3044	-0.0417	0.385278
<i>Wdr45</i>	chrX:7721972-7728201	13.1156	14.0519	0.0995	0.408341
<i>Asic1</i>	chr15:99670717-99701127	1.8361	1.7125	-0.1005	0.278771
<i>Gm26732</i>	chr16:44329996-44333050	8.4992	9.3767	0.1418	0.542867
<i>Elmo2</i>	chr2:165288030-165326479	9.9965	9.7379	-0.0378	0.612103
<i>Zkscan8</i>	chr13:21513221-21531120	10.1088	10.6898	0.0806	0.358809
<i>Zfp157</i>	chr5:138441467-138460694	5.1797	5.5280	0.0939	0.418234
<i>Prmt5</i>	chr14:54507186-54517525	16.9686	16.4282	-0.0467	0.584935
<i>Sdr39u1</i>	chr14:55897285-55900232	50.4064	49.1820	-0.0355	0.560702
<i>Slc29a3</i>	chr10:60712071-60752794	2.2644	2.4875	0.1356	0.454755
<i>Ampd2</i>	chr3:108074061-108086651	7.1635	6.9258	-0.0487	0.591459
<i>Gm26718</i>	chr5:110259162-110269847	26.5853	25.3425	-0.0691	0.602829
<i>Invs</i>	chr4:48279759-48431954	3.6753	3.5885	-0.0345	0.152916
<i>Hcfc2</i>	chr10:82696159-82742428	11.9185	11.5404	-0.0465	0.593659
<i>Mis12</i>	chr11:71019610-71027371	13.7305	14.6249	0.0910	0.334281
<i>Adam17</i>	chr12:21323508-21373632	18.7606	18.1757	-0.0457	0.641379
<i>Fam3a</i>	chrX:74384718-74393272	6.2122	6.6967	0.1083	0.293655
<i>Ccdc25</i>	chr14:65837301-65866604	16.8201	16.2746	-0.0476	0.468344
<i>Pkmyt1</i>	chr17:23726335-23736729	11.4052	10.8423	-0.0730	0.636966
<i>NA</i>	chr19:45578276-45579763	16.9226	18.4508	0.1247	0.362471
<i>Uri1</i>	chr7:37960001-38019542	21.3868	20.7178	-0.0459	0.569072
<i>Copg1</i>	chr6:87887813-87913595	24.0712	23.6903	-0.0230	0.640574
<i>Dennd6a</i>	chr14:26579577-26633394	16.6919	16.2189	-0.0415	0.566619
<i>Cln7</i>	chr17:25133390-25162104	12.5661	12.2086	-0.0416	0.619611
<i>Tmem186</i>	chr16:8633883-8637712	19.4185	18.9028	-0.0388	0.549335
<i>Zdhhc5</i>	chr2:84687969-84715180	21.3809	22.3784	0.0658	0.178619
<i>Pip4k2b</i>	chr11:97715156-97744704	27.5407	28.8763	0.0683	0.195035
<i>Donson</i>	chr16:91677267-91688765	38.6588	37.3446	-0.0499	0.639682
<i>Usp37</i>	chr1:74435509-74544286	14.8041	14.4863	-0.0313	0.568149
<i>Aimp2</i>	chr5:143902703-143909847	14.6866	14.1101	-0.0578	0.483694
<i>Commd6</i>	chr14:101633765-101640686	17.1819	16.3303	-0.0733	0.551584
<i>Taf12</i>	chr4:132274374-132295766	11.8543	11.2330	-0.0777	0.618039
<i>Cep57l1</i>	chr10:41718839-41809607	9.6804	10.3267	0.0933	0.261977

<i>Fam117a</i>	chr11:95337017-95381872	34.2871	33.4209	-0.0369	0.639884
<i>Tmub2</i>	chr11:102284930-102289237	19.3280	18.8110	-0.0391	0.566064
<i>Wsb2</i>	chr5:117357303-117378601	9.1733	8.8897	-0.0453	0.598278
<i>Gt(ROSA)26Sor</i>	chr6:113067427-113077333	20.7813	22.3254	0.1034	0.454097
<i>Dcaf15</i>	chr8:84097074-84104773	43.2762	42.1282	-0.0388	0.633948
<i>Tmem108</i>	chr9:103482935-103761837	1.3688	1.2522	-0.1284	0.412313
<i>Vps52</i>	chr17:33955811-33966984	17.1831	18.1260	0.0771	0.265930
<i>Ppp1r14b</i>	chr19:6975047-6977324	11.7019	10.8784	-0.1053	0.567148
<i>Gm20707</i>	chr4:147782318-147809840	3.9831	4.3650	0.1321	0.410573
<i>NA</i>	chr10:118860825-118863542	15.6531	16.7256	0.0956	0.408166
<i>Shisa3</i>	chr5:67607882-67623552	1.0731	1.2022	0.1639	0.346135
<i>Slc39a8</i>	chr3:135825278-135888572	1.0179	0.9530	-0.0951	0.496068
<i>Gm17041</i>	chr9:107300379-107301838	9.3591	10.9422	0.2255	0.492908
<i>Ddx5</i>	chr11:106780354-106789185	348.7857	363.5467	0.0598	0.207775
<i>Ppp1r18</i>	chr17:35865592-35875596	38.7520	37.8006	-0.0359	0.618692
<i>Ndufs1</i>	chr1:63143595-63176822	30.4463	29.6382	-0.0388	0.578770
<i>Dag1</i>	chr9:108205954-108263924	5.7221	6.3078	0.1406	0.553638
<i>Map4</i>	chr9:109931457-110083947	7.8663	8.2992	0.0773	0.352095
<i>Exoc6</i>	chr19:37550417-37683245	32.6376	34.4988	0.0800	0.398706
<i>Sec24b</i>	chr3:129982758-130061553	8.8648	9.5745	0.1111	0.516673
<i>Pfkip</i>	chr13:6579767-6648777	23.2122	22.7136	-0.0313	0.652126
<i>Prkd2</i>	chr7:16842901-16870461	58.5278	56.6552	-0.0469	0.684327
<i>Atxn1l</i>	chr8:109726450-109737739	9.9875	10.5318	0.0765	0.302050
<i>Phip</i>	chr9:82866158-82975489	41.6333	43.9036	0.0766	0.374050
<i>Ccdc71</i>	chr9:108460517-108465945	18.6573	18.1967	-0.0361	0.486696
<i>Rpsa</i>	chr9:120127765-120132369	18.2204	19.2981	0.0829	0.193727
<i>Tmem63b</i>	chr17:45660170-45686905	4.6451	4.4490	-0.0622	0.612935
<i>Heatr5b</i>	chr17:78752905-78835381	9.3727	9.9323	0.0837	0.381451
<i>Cct8</i>	chr16:87483325-87495873	76.7391	74.5202	-0.0423	0.617103
<i>4833407H14Rik</i>	chr19:53460630-53462723	5.0504	5.6218	0.1547	0.445043
<i>Vps39</i>	chr2:120316460-120353137	12.6593	12.4637	-0.0225	0.427989
<i>Aim1l</i>	chr4:134065911-134092504	2.6576	2.5333	-0.0691	0.559424
<i>Gtf3c6</i>	chr10:40249202-40257665	17.0013	18.6058	0.1301	0.467548
<i>Srgn</i>	chr10:62493832-62527451	98.5916	111.9767	0.1837	0.495590
<i>Specc1l</i>	chr10:75212072-75312399	27.6586	27.2134	-0.0234	0.627100
<i>Llph</i>	chr10:120227069-120232071	6.4509	7.0051	0.1189	0.275747
<i>Pip4k2c</i>	chr10:127197066-127211622	16.4273	16.0498	-0.0335	0.465684
<i>Gm12216</i>	chr11:53783417-53859256	4.3896	4.1084	-0.0955	0.597022
<i>Ifj35</i>	chr11:101448406-101458698	55.3991	53.3473	-0.0544	0.653988
<i>1810043H04Rik</i>	chr11:120098927-120100704	12.4651	11.5703	-0.1075	0.555024
<i>Pak1ip1</i>	chr13:41001022-41013019	23.7701	23.1377	-0.0389	0.570632
<i>Dhfr</i>	chr13:92354782-92389053	1.6636	1.5433	-0.1083	0.492140
<i>1700028E10Rik</i>	chr5:151368708-151414083	1.7904	2.0395	0.1879	0.480036
<i>Tia1</i>	chr6:86404218-86433403	13.5194	14.1043	0.0611	0.122749
<i>Trnt1</i>	chr6:106769119-106782474	34.8735	33.8766	-0.0418	0.597669
<i>Zfp606</i>	chr7:12478292-12496235	5.1777	5.0268	-0.0427	0.467743
<i>Mettl10</i>	chr7:132827456-132852673	13.5221	12.9390	-0.0636	0.531524
<i>Arglu1</i>	chr8:8666576-8690537	105.2144	103.1664	-0.0284	0.618041
<i>Zfp266</i>	chr9:20495067-20521417	19.0007	18.5817	-0.0322	0.572956
<i>Srpr</i>	chr9:35200174-35247973	20.9202	22.0071	0.0731	0.277856
<i>Amacr</i>	chr15:10981755-10996624	2.4010	2.2102	-0.1194	0.435844
<i>Nckap5los</i>	chr15:99427700-99435313	2.9560	3.3796	0.1932	0.467352
<i>Chchd1</i>	chr14:20703026-20704417	47.7574	52.4807	0.1361	0.536156
<i>Kctd20</i>	chr17:28951949-28969549	22.0710	21.6482	-0.0279	0.562795
<i>Lbh</i>	chr17:72918304-72941942	88.4715	86.3488	-0.0350	0.635847
<i>Map3k11</i>	chr19:5689130-5702862	21.3814	20.7858	-0.0408	0.645251
<i>Gm14965</i>	chr19:6409399-6418606	7.1229	6.6998	-0.0884	0.497879
<i>Fkbp2</i>	chr19:6977740-6980461	10.8334	11.9708	0.1440	0.398622
<i>Cwf19l1</i>	chr19:44108643-44135876	7.6550	8.1646	0.0930	0.313345
<i>Mrpl15</i>	chr1:4773205-4785739	10.2394	9.8944	-0.0495	0.582249
<i>Arpc5</i>	chr1:152766541-152775597	146.5438	140.7980	-0.0577	0.636999
<i>Gorab</i>	chr1:163384908-163403641	4.9185	5.3224	0.1139	0.366044
<i>Sft2d2</i>	chr1:165174340-165194433	41.3342	40.5267	-0.0285	0.620188
<i>Polr2d</i>	chr18:31789158-31796642	17.5799	16.5770	-0.0847	0.556585
<i>Dtwd2</i>	chr18:49696144-49755601	2.6239	2.4572	-0.0947	0.500487
<i>Ndor1</i>	chr2:25244820-25256022	16.4598	15.9260	-0.0476	0.676755
<i>Adal</i>	chr2:121140427-121156680	7.3960	7.2068	-0.0374	0.328950
<i>Ccdc109b</i>	chr3:129914959-129970206	4.8020	5.3653	0.1600	0.498061
<i>Ikbkap</i>	chr4:56749679-56802331	13.4806	13.1728	-0.0333	0.614830
<i>Prpf4</i>	chr4:62408796-62426990	11.4906	11.1769	-0.0399	0.543412
<i>AU040320</i>	chr4:126753543-126870070	12.3491	13.1110	0.0864	0.430020

<i>Fam76a</i>	chr4:132899212-132922558	10.9222	10.5275	-0.0531	0.523054
<i>Pnrc2</i>	chr4:135870917-135873850	98.5721	95.0241	-0.0529	0.641468
<i>Fndc9</i>	chr11:46235530-46239872	5.6222	6.2273	0.1475	0.538206
<i>Cecr5</i>	chr6:120509493-120531319	40.3734	39.5405	-0.0301	0.631516
<i>Pik3c2a</i>	chr7:116337275-116443458	27.4616	28.9406	0.0757	0.380187
<i>Senp8</i>	chr9:59734258-59750649	1.4151	1.5830	0.1617	0.360216
<i>Cox15</i>	chr19:43733253-43753000	7.1261	7.6012	0.0931	0.391239
<i>Gtf2b</i>	chr3:142765225-142783603	37.7930	36.1372	-0.0646	0.610352
<i>Tomm7</i>	chr5:23838943-23844161	34.1614	37.8270	0.1471	0.553876
<i>Tada2b</i>	chr5:36473669-36484285	10.6935	11.3052	0.0803	0.205621
<i>NA</i>	chr17:17374331-17394898	16.6799	16.2408	-0.0385	0.502814
<i>Brpf3</i>	chr17:28801089-28838546	2.9306	3.2232	0.1373	0.558392
<i>Ccdc30</i>	chr4:119322892-119415521	1.3786	1.2869	-0.0993	0.492198
<i>Srpk1</i>	chr17:28587647-28622521	59.1286	58.1551	-0.0240	0.615714
<i>Zfp148</i>	chr16:33380774-33503903	19.6995	19.3474	-0.0260	0.573162
<i>Lsm10</i>	chr4:126096622-126098584	15.4190	14.5673	-0.0820	0.513022
<i>Stk40</i>	chr4:126103956-126141029	7.9258	8.4564	0.0935	0.386440
<i>Rere</i>	chr4:150281645-150621966	9.7673	10.3981	0.0903	0.408041
<i>Trappc9</i>	chr15:72589620-73061204	7.7078	8.2149	0.0919	0.425971
<i>Fbxl3</i>	chr14:103080238-103099566	41.6935	41.0014	-0.0242	0.558971
<i>Rab20</i>	chr8:11453391-11478638	7.4981	7.0234	-0.0944	0.543777
<i>Pramef8</i>	chr4:143412425-143421091	14.5683	14.2488	-0.0320	0.520365
<i>Atp11a</i>	chr8:12757013-12868728	3.9820	4.3003	0.1110	0.520438
<i>Cbfa2t2</i>	chr2:154436480-154539356	3.3738	3.6332	0.1069	0.425010
<i>Trim45</i>	chr3:100922201-100936925	0.7465	0.8425	0.1746	0.370385
<i>Fbf1</i>	chr11:116142284-116168166	4.1267	4.0131	-0.0403	0.468588
<i>Eri2</i>	chr7:119768678-119794058	3.0387	3.2505	0.0972	0.368538
<i>Gm22701</i>	chr8:110498851-110499127	52.5057	43.7528	-0.2631	0.445641
<i>Gm6712</i>	chr17:17316077-17319511	14.1300	13.1913	-0.0992	0.171913
<i>Papss1</i>	chr3:131564767-131643670	14.3333	13.7576	-0.0591	0.594707
<i>Elp5</i>	chr11:69968221-69982517	12.5594	12.1115	-0.0524	0.497061
<i>Exosc3</i>	chr4:45316612-45342732	30.5046	29.5130	-0.0477	0.522967
<i>Slc5a3</i>	chr16:92058321-92087473	4.6060	4.9530	0.1048	0.488447
<i>Rnaseh1</i>	chr12:28649601-28659591	19.1106	18.3973	-0.0549	0.574653
<i>Fancd2</i>	chr6:113531681-113597017	0.4817	0.5504	0.1924	0.518881
<i>Ogfd1</i>	chr8:94037197-94067921	6.6176	6.3724	-0.0545	0.589495
<i>Cryl1</i>	chr14:57275033-57398483	8.0825	8.7540	0.1151	0.317778
<i>Ccdc186</i>	chr19:56787480-56822190	7.9237	8.3608	0.0775	0.261499
<i>Prpf18</i>	chr2:4622057-4652113	20.3667	19.9450	-0.0302	0.583135
<i>Med8</i>	chr4:118409336-118415782	22.0193	21.4166	-0.0400	0.566997
<i>Rab43</i>	chr6:87788852-87812164	11.3477	10.9934	-0.0458	0.637262
<i>Abtb1</i>	chr6:88835914-88841935	28.2063	27.3553	-0.0442	0.625848
<i>BC035044</i>	chr6:128848043-128891126	2.1258	1.9658	-0.1129	0.358477
<i>Ddx47</i>	chr6:135011611-135023776	18.0694	19.0726	0.0780	0.332751
<i>Sntb1</i>	chr15:55638842-55906949	15.7681	17.0064	0.1091	0.516650
<i>Rit1</i>	chr3:88716837-88731049	10.2566	9.8611	-0.0567	0.538610
<i>Prdm10</i>	chr9:31280537-31378543	5.1957	5.5458	0.0941	0.379685
<i>Lyrm2</i>	chr4:32800252-32801559	15.2840	16.6617	0.1245	0.488158
<i>Tgtp2</i>	chr11:49057193-49064206	31.4884	30.4682	-0.0475	0.650921
<i>Cinp</i>	chr12:110872609-110889145	9.7442	9.2325	-0.0778	0.565731
<i>Dbf4</i>	chr5:8396972-8422716	7.6950	7.3904	-0.0583	0.615658
<i>Gbp8</i>	chr5:105014152-105139540	45.5165	48.1512	0.0812	0.385674
<i>Ing4</i>	chr6:125039759-125051499	13.9622	13.5605	-0.0421	0.643856
<i>Trappc6a</i>	chr7:19508669-19516145	14.4684	13.6662	-0.0823	0.636795
<i>Sema4b</i>	chr7:80186840-80226394	11.2332	10.7567	-0.0625	0.683182
<i>Fbxl19</i>	chr7:127746774-127768927	2.6951	2.9727	0.1414	0.447378
<i>Psd3</i>	chr8:67689081-68062286	0.3725	0.4123	0.1463	0.267303
<i>Ddx26b</i>	chrX:56454856-56507843	14.2661	13.9806	-0.0292	0.570218
<i>Camsap2</i>	chr1:136268122-136346104	13.8128	13.4427	-0.0392	0.628922
<i>Ier5</i>	chr1:155096366-155099636	48.5727	47.0603	-0.0456	0.673609
<i>Tor1aip2</i>	chr1:156035402-156068861	17.3866	18.0964	0.0577	0.040188
<i>Adss</i>	chr1:177762961-177796511	32.2756	33.7479	0.0644	0.246547
<i>Gm12167</i>	chr11:46342286-46345020	106.1388	103.4096	-0.0376	0.560404
<i>Nrde2</i>	chr12:100125451-100159653	20.1637	19.6013	-0.0408	0.629426
<i>Trbj1-4</i>	chr6:41534810-41534861	224.5189	241.6232	0.1059	0.145063
<i>Fundc2</i>	chrX:75382398-75396459	9.0974	9.8946	0.1212	0.515977
<i>Gm17106</i>	chr16:32985853-33108601	13.4604	14.9575	0.1521	0.350035
<i>Fbxo3</i>	chr2:104027720-104063240	13.4110	14.1121	0.0735	0.352948
<i>Lyar</i>	chr5:38220469-38234306	12.6678	12.0560	-0.0714	0.605736
<i>Zdhhc17</i>	chr10:110941781-1111010066	15.2319	16.0179	0.0726	0.296623
<i>Flot1</i>	chr17:35823229-35832791	10.6902	10.1959	-0.0683	0.637560

<i>Snx15</i>	chr19:6119398-6128304	8.0939	8.6479	0.0955	0.191498
<i>Gm9967</i>	chr7:126774964-126776818	2.5817	2.3527	-0.1340	0.458927
<i>Tmem123</i>	chr9:7764040-7794333	68.3290	66.0784	-0.0483	0.636150
<i>Pus3</i>	chr9:35558594-35567183	27.7852	26.7019	-0.0574	0.656146
<i>Bag6</i>	chr17:35135177-35147322	19.0389	20.2393	0.0882	0.458572
<i>Sfxn4</i>	chr19:60837276-60861479	1.6163	1.7961	0.1521	0.270274
<i>Ccne2</i>	chr4:11191350-11204779	3.3445	3.6273	0.1171	0.428884
<i>Zcchc17</i>	chr4:130315382-130359943	9.7998	9.3894	-0.0617	0.601980
<i>Grin3b</i>	chr10:79970714-79977190	1.7440	1.6152	-0.1107	0.546778
<i>Dnajb6</i>	chr5:29735687-29786478	6.7123	6.5440	-0.0366	0.463783
<i>Pradc1</i>	chr6:85446809-85451970	7.7242	7.3760	-0.0665	0.295003
<i>Proser3</i>	chr7:30539133-30552296	1.5239	1.4117	-0.1103	0.442069
<i>Siae</i>	chr9:37613846-37648318	6.5845	6.3356	-0.0556	0.539678
<i>Hsf2</i>	chr10:57486384-57513133	6.3416	6.0222	-0.0745	0.543617
<i>Trappc11</i>	chr8:47490114-47533470	18.0775	17.7191	-0.0289	0.576529
<i>Wdr89</i>	chr12:75630593-75669537	5.6909	5.4056	-0.0742	0.594890
<i>Zfp459</i>	chr13:67405721-67421418	1.4027	1.5804	0.1721	0.408275
<i>Snx19</i>	chr9:30427328-30466726	13.0598	13.9171	0.0917	0.478017
<i>Gm16278</i>	chr17:25919088-25935745	2.6550	2.9799	0.1665	0.424352
<i>Pmm2</i>	chr16:8637673-8657531	21.7034	21.3362	-0.0246	0.611092
<i>Adprh</i>	chr16:38445398-38452689	22.9405	22.1752	-0.0490	0.568542
<i>Pygm</i>	chr19:6384398-6398459	3.2038	3.5370	0.1427	0.455088
<i>Nsun4</i>	chr4:116032841-116053876	11.5935	11.2488	-0.0435	0.552118
<i>Celsr2</i>	chr3:108390850-108415552	0.5534	0.5192	-0.0921	0.373985
<i>Nmt1</i>	chr11:103028189-103068912	22.5785	22.1585	-0.0271	0.578444
<i>Iars2</i>	chr1:185284725-185329396	18.9132	18.5358	-0.0291	0.667634
<i>Rwdd3</i>	chr3:121155399-121171695	1.7584	1.9501	0.1493	0.473182
<i>Gm26920</i>	chr7:30056033-30090410	8.8803	8.5656	-0.0520	0.414614
<i>Gm9812</i>	chr12:55820610-55821580	6.4110	5.9536	-0.1068	0.551439
<i>Triobp</i>	chr15:78947723-79005867	5.5000	5.3706	-0.0343	0.605662
<i>Rdh12</i>	chr12:79208913-79222665	2.6855	2.9798	0.1501	0.488774
<i>Afap1</i>	chr5:35893318-36003923	2.5969	2.8182	0.1180	0.486138
<i>Adcy6</i>	chr15:98589993-98607633	16.4510	15.9152	-0.0478	0.687531
<i>Lgals1</i>	chr15:78926724-78930465	133.3692	145.2675	0.1233	0.589848
<i>Clybl</i>	chr14:122181693-122402232	5.7031	6.2638	0.1353	0.409143
<i>Chic2</i>	chr5:75001025-75044774	8.3583	8.8075	0.0755	0.249662
<i>Ube3a</i>	chr7:59228751-59306727	37.2636	36.7123	-0.0215	0.549505
<i>Tmem181a</i>	chr17:6270474-6305783	2.7163	3.0221	0.1539	0.396696
<i>Lgals3bp</i>	chr11:118392750-118402092	24.5834	26.8822	0.1290	0.594646
<i>Mboat1</i>	chr13:30136497-30246717	15.0915	15.8679	0.0724	0.177567
<i>Por</i>	chr5:135670032-135735326	14.7286	14.2726	-0.0454	0.662208
<i>Lancl2</i>	chr6:57702600-57739438	3.1652	2.9840	-0.0850	0.493396
<i>Smarcad1</i>	chr6:65042666-65116050	14.6290	14.2533	-0.0375	0.583308
<i>Ijfo1</i>	chr6:125145240-125161782	7.7171	7.4892	-0.0433	0.635273
<i>Eps15l1</i>	chr8:72341000-72421474	21.5886	22.7655	0.0766	0.315947
<i>Rbx1</i>	chr15:81466315-81476369	25.4060	24.6199	-0.0453	0.546242
<i>Ano6</i>	chr15:95790842-95975464	19.0690	20.0965	0.0757	0.327830
<i>Gtf2h4</i>	chr17:35667729-35673739	4.4092	4.2120	-0.0660	0.438121
<i>Ccdc58</i>	chr16:36071659-36092118	9.9677	9.4314	-0.0798	0.448309
<i>1700056E22Rik</i>	chr1:184033031-184033998	3.8401	4.4598	0.2159	0.551572
<i>Naif1</i>	chr2:32450456-32456953	3.8395	3.6780	-0.0620	0.596594
<i>Cops2</i>	chr2:125830303-125859139	27.6792	29.2893	0.0816	0.422551
<i>Rpl11</i>	chr4:136028264-136053428	8.3860	8.9612	0.0957	0.296751
<i>Rsc1a1</i>	chr4:141683562-141723419	28.5472	27.9926	-0.0283	0.599945
<i>Shoc2</i>	chr19:53944305-54033268	28.9002	28.0357	-0.0438	0.632851
<i>Trim5</i>	chr7:104263385-104288094	15.2439	16.2098	0.0886	0.418617
<i>Ehhadh</i>	chr16:21761286-21787844	6.4907	6.1459	-0.0788	0.573791
<i>Snora81</i>	chr16:23110755-23110933	203.1231	180.5261	-0.1701	0.546268
<i>Exd2</i>	chr12:80463094-80498135	12.3262	12.9831	0.0749	0.235454
<i>Praf2</i>	chrX:7728438-7731064	6.1430	5.7408	-0.0977	0.483879
<i>Ring1</i>	chr17:34020791-34024680	10.0200	9.7197	-0.0439	0.554989
<i>Aldh16a1</i>	chr7:45140683-45154584	6.0496	5.8321	-0.0528	0.592172
<i>Zfp948</i>	chr17:21567045-21588697	1.8876	2.1207	0.1680	0.449465
<i>Cetn3</i>	chr13:81783291-81797143	39.2807	42.7670	0.1227	0.544193
<i>Sh3glb1</i>	chr3:144688843-144720323	31.1399	32.9523	0.0816	0.430395
<i>Gpx4</i>	chr10:80047165-80056439	9.6321	9.0063	-0.0969	0.615832
<i>Gbas</i>	chr5:129725062-129758327	18.8323	18.2514	-0.0452	0.578340
<i>Cdc42ep3</i>	chr17:79334024-79355091	13.7153	13.1507	-0.0607	0.592025
<i>Brd1</i>	chr15:88687299-88734233	22.6595	22.1382	-0.0336	0.679589
<i>Gm9752</i>	chr13:119473803-119476761	14.9809	15.8672	0.0829	0.376313
<i>Ubl4</i>	chrX:74365717-74373218	10.9378	10.5403	-0.0534	0.603159

<i>Mta3</i>	chr17:83706162-83821516	16.4877	16.1804	-0.0271	0.593461
<i>Mbd4</i>	chr6:115840696-115853371	4.4645	4.7761	0.0973	0.412337
<i>Stradb</i>	chr1:58973521-58995715	2.6558	2.5367	-0.0662	0.601092
<i>Dpp7</i>	chr2:25352275-25356359	4.3761	4.1390	-0.0804	0.571273
<i>Nim1k</i>	chr13:119710093-119755882	0.7574	0.7002	-0.1132	0.580593
<i>Ythdc1</i>	chr5:86804220-86836659	37.4127	36.6611	-0.0293	0.663634
<i>Crif2</i>	chr5:109554710-109558993	22.5975	21.8813	-0.0465	0.593004
<i>Brip1</i>	chr11:86058137-86201193	1.1106	1.0323	-0.1054	0.506933
<i>Gk5</i>	chr9:96119361-96184627	1.5288	1.4415	-0.0849	0.479908
<i>Zfp386</i>	chr12:116047723-116063360	17.8996	18.8639	0.0757	0.390767
<i>Slc7a5</i>	chr8:121881149-121907694	8.9539	9.6864	0.1134	0.509089
<i>Dclre1c</i>	chr2:3424130-3464130	4.3646	4.2440	-0.0404	0.572166
<i>Ankrd37</i>	chr8:45996901-45999867	5.1776	5.6605	0.1286	0.376643
<i>AA474331</i>	chr10:39890017-39899238	4.1120	3.9437	-0.0603	0.444430
<i>Ufc1</i>	chr1:171288562-171295024	18.8717	20.2557	0.1021	0.503518
<i>2310015A10Rik</i>	chr12:80120547-80132844	6.4209	6.8819	0.1000	0.455275
<i>Grpel1</i>	chr5:36464997-36474080	19.3827	18.7919	-0.0447	0.609193
<i>Pwwp2a</i>	chr11:43681997-43721491	8.7536	8.5324	-0.0369	0.605181
<i>Fiz1</i>	chr7:5007056-5014697	12.1064	11.7563	-0.0423	0.613090
<i>9430038I01Rik</i>	chr7:137375573-137410762	1.4341	1.3386	-0.0994	0.523349
<i>AU019823</i>	chr9:50605239-50617464	8.6523	8.4225	-0.0388	0.558718
<i>Rai1</i>	chr11:60105012-60199197	7.4922	8.1276	0.1174	0.556457
<i>Gdpd5</i>	chr7:99381548-99460983	2.1189	2.3413	0.1440	0.467250
<i>Rufy2</i>	chr10:62980222-63017210	16.0443	15.7257	-0.0289	0.649051
<i>Zfr2</i>	chr10:81233154-81252123	1.2142	1.3371	0.1391	0.475861
<i>Rsad1</i>	chr11:94539797-94549255	1.8787	2.0774	0.1450	0.483733
<i>Ormdl3</i>	chr11:98581255-98587368	18.5676	18.0312	-0.0423	0.574011
<i>Gm11626</i>	chr11:101456575-101457390	51.0936	48.7038	-0.0691	0.566311
<i>Nol7</i>	chr13:43398375-43402858	56.5517	60.1785	0.0897	0.470749
<i>Cdk5</i>	chr5:24418249-24423530	17.4668	17.0110	-0.0381	0.512185
<i>Ube3c</i>	chr5:29569241-29676077	20.7963	21.7787	0.0666	0.206689
<i>D930016D06Rik</i>	chr5:104525734-104554211	4.1924	4.4970	0.1012	0.320522
<i>Nomo1</i>	chr7:46033697-46084212	11.5714	11.2957	-0.0348	0.654804
<i>Insr</i>	chr8:3150921-3279617	8.9106	9.4184	0.0799	0.418066
<i>Phf6</i>	chrX:52912265-52956943	11.5646	12.1829	0.0752	0.386594
<i>Mcm6</i>	chr1:128331590-128359656	42.6796	45.5294	0.0933	0.535148
<i>4930579G24Rik</i>	chr3:79629078-79632817	2.2018	2.4754	0.1690	0.442720
<i>Exoc2</i>	chr13:30813918-30974047	32.4931	31.9592	-0.0239	0.606846
<i>Gm16001</i>	chr5:124111108-124112241	5.5674	5.1427	-0.1145	0.574954
<i>Ndufaf5</i>	chr2:140170648-140203689	8.2223	7.8230	-0.0718	0.536483
<i>Zdhhc12</i>	chr2:30090943-30093648	4.8991	5.3821	0.1357	0.432797
<i>NA</i>	chr17:27565111-27566220	4.4720	4.1077	-0.1226	0.504846
<i>Prdm15</i>	chr16:97791466-97851850	5.7867	5.5888	-0.0502	0.685615
<i>Pdxx</i>	chr10:78436743-78464975	3.4709	3.3353	-0.0575	0.567317
<i>Mars</i>	chr10:127296220-127311786	25.3973	26.8231	0.0788	0.390948
<i>Sgsh</i>	chr11:119343424-119355536	15.5727	15.1080	-0.0437	0.679389
<i>Rras2</i>	chr7:114046784-114117781	45.2472	43.5323	-0.0557	0.664704
<i>Copb2</i>	chr9:98563730-98588375	59.3995	58.4214	-0.0240	0.588913
<i>Ndufb8</i>	chr19:44548571-44555440	15.9114	15.4398	-0.0434	0.601932
<i>Ik</i>	chr18:36744655-36757639	80.3378	84.6015	0.0746	0.365237
<i>Tor2a</i>	chr2:32757233-32762244	13.3423	12.9463	-0.0435	0.592731
<i>Inpp5k</i>	chr11:75630987-75648871	19.7501	19.2401	-0.0377	0.684379
<i>Tapbpl</i>	chr6:125223932-125231860	36.5192	35.6125	-0.0363	0.655896
<i>Prim1</i>	chr10:128015167-128030037	6.4299	6.1060	-0.0746	0.627552
<i>G6pc3</i>	chr11:102189619-102194081	4.9422	4.6808	-0.0784	0.518938
<i>Chn2</i>	chr6:54039553-54301810	2.8415	3.0649	0.1092	0.464650
<i>Cd69</i>	chr6:129267323-129275369	78.4147	75.7529	-0.0498	0.662593
<i>Zfp82</i>	chr7:30054488-30072900	3.9217	3.7885	-0.0499	0.516068
<i>Cyb561d1</i>	chr3:108195686-108201212	10.7499	11.3457	0.0778	0.355361
<i>Spty2d1</i>	chr7:46990395-47008411	17.2912	16.8978	-0.0332	0.620134
<i>Hsd17b12</i>	chr2:94032688-94157964	15.5192	16.3476	0.0750	0.196262
<i>Trappc13</i>	chr13:104142148-104178469	10.8229	11.4485	0.0811	0.372235
<i>Nol11</i>	chr11:107166662-107189381	15.2165	14.8619	-0.0340	0.614416
<i>Pus7l</i>	chr15:94522687-94543547	7.2632	6.9819	-0.0570	0.524634
<i>4833418N02Rik</i>	chr17:87274885-87282814	1.6405	1.4813	-0.1473	0.572048
<i>Gm26722</i>	chr4:129309080-129318443	21.6093	23.0533	0.0933	0.411156
<i>Leng8</i>	chr7:4137038-4148173	37.1403	39.2204	0.0786	0.463967
<i>Zhx1</i>	chr15:58047002-58076541	18.2026	17.8138	-0.0312	0.615529
<i>Epsti1</i>	chr14:77904238-78002656	67.0929	64.3924	-0.0593	0.670477
<i>Cln6</i>	chr9:62838784-62852006	4.7084	5.1679	0.1343	0.493783
<i>Errfi1</i>	chr4:150853918-150868892	2.6911	2.5258	-0.0915	0.578468

<i>Rnf126</i>	chr10:79758514-79766952	14.9459	16.1482	0.1116	0.469656
<i>Abca7</i>	chr10:79996493-80015572	37.5621	36.3535	-0.0472	0.704099
<i>Nnt</i>	chr13:119335447-119408997	4.7021	4.5557	-0.0456	0.591036
<i>Vac14</i>	chr8:110618637-110720396	16.1999	15.7184	-0.0435	0.668919
<i>Ssx2ip</i>	chr3:146404641-146440139	1.9389	1.7952	-0.1110	0.599869
<i>Ctc1</i>	chr11:69015910-69036473	2.9172	3.1512	0.1113	0.472395
<i>Tead2</i>	chr7:45215752-45233635	1.0417	1.1707	0.1684	0.465250
<i>Gm10643</i>	chr8:84063560-84065137	6.2136	5.8101	-0.0969	0.582494
<i>Fam49a</i>	chr12:12262138-12376359	29.8378	31.4583	0.0763	0.420824
<i>Dram2</i>	chr3:106547692-106574845	12.9594	13.6839	0.0785	0.255150
<i>Mgat1</i>	chr11:49244190-49263030	16.4635	16.1328	-0.0293	0.636247
<i>Gm20705</i>	chr6:99384606-99388499	3.5230	3.2276	-0.1263	0.631108
<i>Fibp</i>	chr19:5460606-5465052	31.7995	33.8158	0.0887	0.398240
<i>Agfg1</i>	chr1:82839482-82896275	79.5190	78.5933	-0.0169	0.626656
<i>Tas1r3</i>	chr4:155859267-155863362	3.0720	2.8848	-0.0907	0.641009
<i>Itgam</i>	chr7:128062639-128128160	1.2710	1.3910	0.1301	0.413294
<i>Gm21974</i>	chr7:127886226-127895454	3.0083	3.3688	0.1633	0.482325
<i>Traj15</i>	chr14:54204421-54204481	105.3819	98.2920	-0.1005	0.450279
<i>Lcor</i>	chr19:41482644-41562246	8.2763	8.7635	0.0825	0.419167
<i>Usp40</i>	chr1:87945120-88008551	12.3957	13.1158	0.0815	0.402127
<i>Ttbk2</i>	chr2:120732815-120850604	2.2333	2.3927	0.0995	0.440545
<i>Rundc3a</i>	chr11:102393402-102402555	2.6679	2.9583	0.1491	0.514963
<i>Kctd2</i>	chr11:115420127-115431274	24.7949	24.2978	-0.0292	0.579302
<i>Gpc2</i>	chr5:138264951-138280005	1.1194	1.0613	-0.0770	0.504997
<i>Itpkc</i>	chr7:27207171-27228628	4.8527	5.1938	0.0980	0.296312
<i>2410002F23Rik</i>	chr7:44246721-44262720	17.5949	17.2256	-0.0306	0.699875
<i>Ern1</i>	chr11:106394649-106487852	2.0698	2.2378	0.1126	0.462035
<i>Sptlc1</i>	chr13:53332715-53377365	24.2184	23.6327	-0.0353	0.601152
<i>Fbxl18</i>	chr5:142866945-142895421	1.0220	1.1088	0.1176	0.455239
<i>Trim3</i>	chr7:105604462-105633571	1.3417	1.4986	0.1596	0.439250
<i>1110059G10Rik</i>	chr9:122945088-122951000	4.6029	5.0463	0.1327	0.542495
<i>Sms</i>	chrX:157443854-157492287	4.3160	4.5855	0.0874	0.332741
<i>Zfp944</i>	chr17:22337988-22361400	13.1836	12.7812	-0.0447	0.569709
<i>Gm4707</i>	chr17:71458326-71460395	6.6713	7.3066	0.1312	0.522441
<i>Gm15491</i>	chr19:45749507-45752310	68.8959	72.4018	0.0716	0.223777
<i>Txndc9</i>	chr1:37983866-37997346	15.8372	15.4775	-0.0331	0.587616
<i>Cops8</i>	chr1:90603424-90613341	29.2283	28.5092	-0.0359	0.546153
<i>Kpnb1</i>	chr11:97159713-97187881	61.8964	60.9296	-0.0227	0.644846
<i>Tmem177</i>	chr1:119907889-119913208	3.7291	4.0227	0.1093	0.362361
<i>Uqcc1</i>	chr2:155846893-155930310	5.6229	5.4462	-0.0461	0.566160
<i>Jtb</i>	chr3:90231596-90235838	37.4522	36.2739	-0.0461	0.619388
<i>Tm2d1</i>	chr4:98355369-98383306	9.1184	8.5235	-0.0973	0.588712
<i>Kcnp2</i>	chr19:45791838-45816061	2.7789	3.0550	0.1367	0.500923
<i>H2afv</i>	chr11:6427228-6444443	24.0483	22.8985	-0.0707	0.653861
<i>Pigg</i>	chr5:108312608-108349355	3.5761	3.3835	-0.0799	0.657328
<i>Cln3</i>	chr7:126571206-126585817	10.0613	9.8450	-0.0314	0.608904
<i>Samd8</i>	chr14:21750530-21798725	4.6506	4.4793	-0.0541	0.651771
<i>Rtn3</i>	chr19:7425900-7483289	10.3856	10.8962	0.0692	0.210357
<i>Traf3ip2</i>	chr10:39612933-39655307	16.9542	18.0233	0.0882	0.458434
<i>Lace1</i>	chr10:42312584-42478565	3.6364	3.9127	0.1057	0.094521
<i>Zfp280b</i>	chr10:76032653-76043234	8.6992	9.2387	0.0868	0.366066
<i>Mier2</i>	chr10:79540244-79555199	9.7186	9.4637	-0.0383	0.627305
<i>Hs1bp3</i>	chr12:8313432-8343824	1.7535	1.9320	0.1399	0.304027
<i>Ttc32</i>	chr12:9029996-9036394	5.5063	5.0827	-0.1155	0.469232
<i>Lrpap1</i>	chr5:35091489-35105766	11.7721	11.5036	-0.0333	0.567344
<i>Gm10401</i>	chr5:115097688-115098295	14.8480	16.1668	0.1228	0.360086
<i>Ube2h</i>	chr6:30211288-30304539	23.7540	25.0412	0.0761	0.362102
<i>Shq1</i>	chr6:100573080-100671157	4.3701	4.1517	-0.0740	0.446356
<i>Stard10</i>	chr7:101317085-101346626	2.7042	2.5271	-0.0977	0.505809
<i>Ndrp2</i>	chr14:51905270-51913488	13.4060	12.8379	-0.0625	0.642040
<i>Trav8-2</i>	chr14:53738301-53741038	1.7996	1.6623	-0.1145	0.484368
<i>Traj14</i>	chr14:54205110-54205143	319.4743	348.9518	0.1273	0.479689
<i>Sec31b</i>	chr19:44516956-44545864	2.7054	2.5599	-0.0798	0.577000
<i>Psmb2</i>	chr4:126677629-126709714	60.0853	57.6918	-0.0586	0.665825
<i>Gan</i>	chr8:117158134-117205834	2.8923	3.1739	0.1341	0.506718
<i>Pja2</i>	chr17:64281004-64331916	13.7201	14.4347	0.0733	0.344929
<i>Sfpq</i>	chr4:127021323-127037013	92.7456	91.1337	-0.0253	0.706200
<i>Vrk1</i>	chr12:106010262-106077410	18.9441	19.9326	0.0734	0.327366
<i>NA</i>	chr13:106833859-106847267	4.5008	4.2135	-0.0952	0.510716
<i>Uevld</i>	chr7:46923538-46958527	0.9453	1.0411	0.1393	0.458340
<i>Vav2</i>	chr2:27262103-27427033	2.7241	2.9237	0.1020	0.409166

9330020H09Rik	chr15:98567323-98569583	7.1626	6.8370	-0.0671	0.541610
Mllt1	chr17:56892611-56935388	12.5682	12.1840	-0.0448	0.680165
Rps15	chr10:80292452-80294114	1013.8865	967.1453	-0.0681	0.692646
Mrpl42	chr10:95480805-95501927	30.5782	28.8713	-0.0829	0.627143
Trappc6b	chr12:59043092-59061461	23.6587	22.8193	-0.0521	0.596159
AK010878	chr12:102719974-102757810	4.3883	4.6423	0.0812	0.046055
Gimap9	chr6:48676128-48679114	143.6672	139.2264	-0.0453	0.662599
Poir2i	chr7:30231947-30233390	13.8287	13.1406	-0.0736	0.614590
Kdm2a	chr19:4316143-4398285	25.2501	24.8452	-0.0233	0.715175
Gm20628	chr3:96267074-96270289	26.5377	29.8766	0.1710	0.484168
Zkscan17	chr11:59485519-59526751	7.0985	7.6000	0.0985	0.487745
Hspa5	chr2:34771969-34776531	96.3371	101.3845	0.0737	0.439678
Prkar2a	chr9:108692142-108749512	3.9976	4.3457	0.1205	0.490862
Nup35	chr2:80617235-80658906	3.7554	3.5496	-0.0813	0.589067
Mrto4	chr4:139347434-139352576	7.7853	8.2756	0.0881	0.269171
1810013L24Rik	chr16:8830099-8858916	27.8685	27.3436	-0.0274	0.665123
Tubgcp3	chr8:12614276-12672248	17.3636	18.1105	0.0608	0.221847
Rbm14	chr19:4800568-4811634	18.8505	18.2505	-0.0467	0.711627
2700049A03Rik	chr12:71136847-71243303	7.5352	7.9784	0.0825	0.428221
Hist1h3a	chr13:23761852-23762386	7.7381	8.7799	0.1822	0.535130
Ptpn12	chr5:20986644-21055911	10.5624	10.1426	-0.0585	0.653339
Dera	chr6:137754541-137837891	16.5283	15.7873	-0.0662	0.643702
Snord15b	chr7:99479562-99479707	240.8443	282.0451	0.2278	0.536668
Lpar2	chr8:69822428-69831102	0.7103	0.7920	0.1570	0.272398
Zfp706	chr15:36997030-37007402	10.6050	11.2398	0.0839	0.424121
Top2b	chr14:16365178-16430787	139.0399	135.8657	-0.0333	0.678538
Timm17b	chrX:7899356-7908351	9.0956	8.6483	-0.0728	0.648588
Ddrgk1	chr2:130653959-130664659	34.9357	34.2774	-0.0274	0.569368
Erlin2	chr8:27023798-27039433	9.9966	9.7565	-0.0351	0.430491
Atp2a3	chr11:72961168-72993044	81.6252	86.0679	0.0765	0.454482
Blm	chr7:80454992-80535119	4.2597	4.1358	-0.0426	0.216376
Dnaaf1	chr8:119575234-119598454	4.6603	4.4504	-0.0665	0.528103
Lcp1	chr14:75131100-75230842	100.2650	98.2306	-0.0296	0.668678
Zfp263	chr16:3744092-3750790	29.3301	28.8813	-0.0222	0.631562
Fam111a	chr19:12545739-12589768	26.3303	25.6115	-0.0399	0.677207
Ralgapb	chr2:158409847-158499253	18.1560	18.8883	0.0570	0.161846
Smarcc2	chr10:128459235-128490173	30.3485	32.0197	0.0773	0.458436
NA	chr13:23544051-23545055	34.4889	37.6785	0.1276	0.572962
4931414P19Rik	chr14:54583662-54605908	1.6242	1.8138	0.1593	0.342930
Trat1	chr16:48734689-48771956	94.2191	100.4504	0.0924	0.486935
Slc26a2	chr18:61192918-61211612	6.4200	6.7481	0.0719	0.374893
Sdf2	chr11:78245745-78255496	24.3200	23.7052	-0.0369	0.553327
Pou2af1	chr9:51213689-51240079	7.1362	7.9310	0.1523	0.617461
Zfp952	chr17:32993128-33005457	10.1335	10.6274	0.0687	0.129658
Hspb6	chr7:30552177-30555443	3.5305	3.2793	-0.1065	0.625804
Dpp9	chr17:56186681-56218889	13.2256	14.0789	0.0902	0.459514
Rtn4	chr11:29692946-29744331	14.0457	14.7546	0.0710	0.374374
Slc39a13	chr2:91061790-91070417	4.9649	4.8053	-0.0471	0.601134
Ralgs1	chr2:33133420-33371486	2.3103	2.1914	-0.0762	0.678328
Spryd4	chr10:128209907-128211794	10.9808	10.5606	-0.0563	0.485406
Srp14	chr2:118475849-118479711	64.7612	61.2985	-0.0793	0.675157
1700047K16Rik	chr11:58322987-58324439	10.2394	9.7014	-0.0779	0.542459
Zfp119b	chr17:5938552-5945174	5.2971	5.7455	0.1172	0.405679
B3gnt4	chr5:123510459-123511882	2.9759	2.6986	-0.1411	0.538722
Zc3hav1	chr6:38305285-38354603	115.8041	121.1451	0.0650	0.392782
9430015G10Rik	chr4:156109981-156127265	11.1322	10.8539	-0.0365	0.575978
Mttr2	chr9:13748409-13806481	17.8474	17.4924	-0.0290	0.595159
Arih1	chr9:59388257-59486618	31.8320	31.3485	-0.0221	0.653801
Gm26910	chr18:67773711-67774857	6.0463	6.7414	0.1570	0.409132
Gm14303	chr2:172509431-172509697	15.4232	17.6029	0.1907	0.528839
AW011738	chr4:156203303-156205151	18.5147	19.8392	0.0997	0.494557
Usp46	chr5:73998462-74068430	1.8323	1.7371	-0.0770	0.493280
Utp3	chr5:88554482-88556083	43.4297	42.1372	-0.0436	0.639066
Vimp	chr7:66079648-66089412	27.3005	29.1521	0.0947	0.473873
Fam53b	chr7:132712081-132813886	20.1249	19.6541	-0.0342	0.716491
Xlr4c	chrX:73233687-73243130	3.4237	3.8176	0.1571	0.526002
Traf6	chr2:101678428-101701669	9.7566	10.2858	0.0762	0.388679
Wdr77	chr3:105959368-105984600	14.5255	14.2188	-0.0308	0.659594
Snx6	chr12:54746348-54795703	39.3970	37.7713	-0.0608	0.671484
Chm	chrX:113040594-113185517	13.5174	13.1170	-0.0434	0.653538
Limk2	chr11:3344255-3409189	25.9707	25.6367	-0.0187	0.681416

<i>Tssc4</i>	chr7:143069248-143071093	11.7260	11.3679	-0.0448	0.385803
<i>Slc48a1</i>	chr15:97784354-97792692	12.5709	13.3142	0.0829	0.331260
<i>Gm10548</i>	chr18:34207774-34221772	2.2221	2.4247	0.1259	0.279167
<i>B430305J03Rik</i>	chr3:61362249-61365951	7.6261	8.1765	0.1005	0.454985
<i>Mtmt3</i>	chr11:4480867-4594863	38.8101	38.3335	-0.0178	0.713571
<i>Herpud2</i>	chr9:25108129-25151781	14.7563	15.6837	0.0879	0.421579
<i>Dcald</i>	chr11:102994046-103028333	3.3826	3.1943	-0.0826	0.604256
<i>Gprn3</i>	chr6:59352460-59426290	7.3281	7.9432	0.1163	0.547837
<i>Trib2</i>	chr12:15791726-15816877	122.4782	120.4713	-0.0238	0.690985
<i>Rdh14</i>	chr12:10390779-10395562	17.9961	17.2848	-0.0582	0.618637
<i>Ctu2</i>	chr8:122476142-122484138	12.1455	11.9340	-0.0254	0.522734
<i>Dis3l</i>	chr9:64306755-64341288	5.2513	5.5520	0.0803	0.335920
<i>Mid1</i>	chrX:169685198-170005736	0.7178	0.8012	0.1585	0.444522
<i>Gnl3</i>	chr14:31012433-31019089	43.6976	42.5992	-0.0367	0.637714
<i>Micu1</i>	chr10:59702476-59864132	5.6958	5.5742	-0.0311	0.537971
<i>Rfng</i>	chr11:120780745-120784207	3.9605	3.7447	-0.0808	0.617193
<i>Trappc2l</i>	chr8:122611625-122615588	37.1434	35.7086	-0.0568	0.568767
<i>Lpcat4</i>	chr2:112239467-112247111	7.5118	8.1178	0.1119	0.498150
<i>Rasgrp1</i>	chr2:117279992-117343001	120.0707	118.0921	-0.0240	0.718046
<i>Psm3</i>	chr12:70974620-70996347	9.7801	9.4016	-0.0569	0.641686
<i>1110057K04Rik</i>	chr12:8208106-8285758	22.8912	22.4220	-0.0299	0.574901
<i>Gjm2</i>	chr13:97137936-97181195	10.6452	10.4590	-0.0255	0.636667
<i>Nabp1</i>	chr1:51469497-51478399	55.2906	53.9495	-0.0354	0.671175
<i>Ythdf3</i>	chr3:16183182-16217035	40.6696	42.2071	0.0535	0.137805
<i>Rab35</i>	chr5:115631928-115647736	41.4002	40.6278	-0.0272	0.638782
<i>Mcts1</i>	chrX:38600577-38613426	24.7696	24.0142	-0.0447	0.600481
<i>Carhsp1</i>	chr16:8658586-8672153	5.9086	6.3047	0.0936	0.334387
<i>Pex19</i>	chr1:172126754-172136493	12.0646	11.8337	-0.0279	0.357428
<i>Snrpb2</i>	chr2:143063038-143072853	16.4753	17.5746	0.0932	0.504422
<i>Jade2</i>	chr11:51813454-51857653	12.7943	13.4741	0.0747	0.454172
<i>Ndufab1</i>	chr7:122085402-122101886	3.6064	3.4918	-0.0466	0.592570
<i>Fhod1</i>	chr8:105329162-105347953	6.4894	6.2340	-0.0579	0.694677
<i>Zik1</i>	chr7:10487228-10495394	1.1241	1.2414	0.1431	0.445569
<i>2510003E04Rik</i>	chr10:62538625-62578457	5.2879	5.1186	-0.0469	0.642862
<i>Acs1</i>	chr8:46471040-46536051	2.2833	2.2080	-0.0484	0.504454
<i>Map2k1</i>	chr9:64185769-64253631	25.6867	25.0450	-0.0365	0.654028
<i>Higd1a</i>	chr9:121848559-121858000	6.3754	6.8398	0.1014	0.386242
<i>Ptp4a1</i>	chr1:30940302-30949770	1.4554	1.5773	0.1160	0.237106
<i>Rala</i>	chr13:17880574-17944239	20.1644	21.4385	0.0884	0.487093
<i>Cox18</i>	chr5:90214723-90224001	10.1697	9.8107	-0.0518	0.506381
<i>Ipo7</i>	chr7:110018424-110055114	43.7446	42.7930	-0.0317	0.670550
<i>Rps6</i>	chr4:86854659-86857412	8.4594	8.1232	-0.0585	0.398764
<i>E2f3</i>	chr13:29906574-29985668	1.8052	1.6995	-0.0871	0.598341
<i>Zfp212</i>	chr6:47920475-47932639	11.8194	11.5196	-0.0371	0.646341
<i>Taok2</i>	chr7:126865677-126884703	15.0351	14.7491	-0.0277	0.704998
<i>Ndufc1</i>	chr3:51404676-51408988	7.3732	7.9657	0.1115	0.434668
<i>2610507I01Rik</i>	chr11:59199835-59202385	6.3961	6.0317	-0.0846	0.550465
<i>Arl6ip5</i>	chr6:97210688-97233315	89.0845	86.8147	-0.0372	0.674462
<i>Gm20490</i>	chr2:173022502-173022956	68.1224	64.9207	-0.0695	0.602671
<i>Mfn1</i>	chr3:32529464-32579239	4.5679	4.8412	0.0838	0.331987
<i>Btf3</i>	chr13:98309895-98317006	50.0288	53.6416	0.1006	0.555203
<i>Ift74</i>	chr4:94614490-94693229	2.0146	1.8720	-0.1059	0.549909
<i>Zbtb44</i>	chr9:31030643-31075879	10.7455	11.2692	0.0687	0.344637
<i>Med24</i>	chr11:98704590-98729435	11.3783	11.1360	-0.0311	0.691260
<i>Acot6</i>	chr12:84100653-84111349	1.5546	1.4418	-0.1086	0.542654
<i>Dhcr7</i>	chr7:143823144-143848410	4.0494	4.3675	0.1091	0.439536
<i>Ttc13</i>	chr8:124671334-124721983	36.6863	36.1392	-0.0217	0.719915
<i>Mtss1</i>	chr15:58941243-59082026	14.7476	15.6300	0.0838	0.457036
<i>Tada1</i>	chr1:166379096-166393621	10.4504	10.2072	-0.0340	0.508722
<i>E2f2</i>	chr4:136172393-136196057	9.2250	9.9463	0.1086	0.569733
<i>Mterf2</i>	chr10:85119434-85128027	12.5887	12.0755	-0.0600	0.601297
<i>Pdia6</i>	chr12:17266544-17284770	25.3308	24.8421	-0.0281	0.668158
<i>Dnajb12</i>	chr10:59879555-59899302	9.6002	10.2293	0.0916	0.440392
<i>Rps8</i>	chr4:117153826-117156243	47.7799	51.4911	0.1079	0.543324
<i>Mir142b</i>	chr11:87756863-87756927	88.5895	98.6877	0.1557	0.467246
<i>Lrrc28</i>	chr7:67513410-67645236	4.4844	4.2994	-0.0608	0.592526
<i>Tom70a</i>	chr16:57121713-57154530	49.7223	48.6798	-0.0306	0.670702
<i>Vps29</i>	chr5:122354368-122364984	11.4117	12.1458	0.0899	0.498615
<i>Gm12256</i>	chr11:58889709-58891548	25.4018	27.5733	0.1183	0.474157
<i>C920006Q11Rik</i>	chr9:78175913-78178879	5.5546	6.1203	0.1399	0.492708
<i>Samd9l</i>	chr6:3372259-3399571	149.2770	158.1455	0.0833	0.537736

<i>Ubal2</i>	chr11:116434093-116439077	4.8374	4.5820	-0.0783	0.233858
<i>Gm16083</i>	chr1:130462575-130557075	3.9988	3.7554	-0.0906	0.621071
<i>Plxb1</i>	chr9:109095435-109119911	0.4636	0.5218	0.1706	0.489023
<i>Mrpl13</i>	chr15:55534093-55557748	3.5639	3.8013	0.0930	0.462299
<i>Fcho1</i>	chr8:71708386-71725716	28.7755	30.4400	0.0811	0.516880
<i>Tet1</i>	chr10:62804569-62899118	3.4903	3.3707	-0.0503	0.702283
<i>Phospho1</i>	chr11:95824498-95832140	2.9646	2.7680	-0.0990	0.609627
<i>Fam3c</i>	chr6:22306519-22356243	36.7301	38.5468	0.0696	0.357931
<i>Aagab</i>	chr9:63602654-63641889	23.0061	22.4963	-0.0323	0.638156
<i>Il18rap</i>	chr1:40515361-40551705	2.1231	2.7660	0.3817	0.572454
<i>Vars</i>	chr17:35000986-35016322	22.5979	23.9197	0.0820	0.518774
<i>Wdr83os</i>	chr8:85080739-85082339	16.8926	16.1036	-0.0690	0.654347
<i>Smad4</i>	chr18:73639008-73703780	52.7691	51.7146	-0.0291	0.701493
<i>3110057012Rik</i>	chr3:40846969-40938138	3.5755	3.4381	-0.0565	0.579732
<i>Carns1</i>	chr19:4164323-4175479	12.8180	13.7060	0.0966	0.541404
<i>Pthrhd1</i>	chr12:4234026-4240123	1.6120	1.7672	0.1327	0.439881
<i>Map3k9</i>	chr12:81714949-81781170	0.8578	0.7965	-0.1071	0.683633
<i>Dctpp1</i>	chr7:127256958-127260709	10.8162	9.8225	-0.1390	0.654211
<i>Wbp4</i>	chr14:79459936-79481268	17.7900	17.1334	-0.0543	0.675356
<i>Rif1</i>	chr2:52072836-52122383	31.5715	31.0137	-0.0257	0.707014
<i>Arhgef11</i>	chr3:87617558-87738034	11.5289	11.2970	-0.0293	0.678657
<i>Hist1h1c</i>	chr13:23738806-23740366	165.3075	183.4761	0.1504	0.499285
<i>Khk</i>	chr5:30921555-30931246	5.1816	5.6675	0.1293	0.456254
<i>Atm</i>	chr9:53439148-53536740	35.1027	34.5547	-0.0227	0.724453
<i>Gm12696</i>	chr4:97521427-97522332	10.6130	9.9152	-0.0981	0.653592
<i>Ndufb10</i>	chr17:24722059-24724478	46.4667	44.7560	-0.0541	0.664720
<i>Bri3</i>	chr5:14424436-144446757	2.4057	2.6789	0.1552	0.426355
<i>A730061H03Rik</i>	chr14:55559941-55560406	9.0375	9.9298	0.1358	0.060248
<i>Esd</i>	chr14:74732296-74750765	16.3783	15.7541	-0.0561	0.665210
<i>Dnajc10</i>	chr2:80315465-80354043	25.3647	26.5656	0.0667	0.413730
<i>A930005H10Rik</i>	chr3:115887821-115888130	43.1887	41.1891	-0.0684	0.627736
<i>4930404I05Rik</i>	chr16:91011248-91016743	8.4788	8.9996	0.0860	0.379307
<i>Gm20605</i>	chr5:137629174-137642899	47.4670	46.1924	-0.0393	0.735376
<i>Grk5</i>	chr19:60889748-61092553	1.4952	1.6539	0.1456	0.427875
<i>Mdp1</i>	chr14:55657878-55660508	47.1422	45.7331	-0.0438	0.670720
<i>Rom1</i>	chr19:8927381-8929356	4.3628	4.8234	0.1448	0.559835
<i>Txn1</i>	chr4:57943372-57956411	36.4305	39.3127	0.1098	0.575311
<i>Pdhb</i>	chr14:8165990-8172992	34.3933	36.2599	0.0762	0.369359
<i>Tsr1</i>	chr11:74898070-74909342	29.4631	30.7043	0.0595	0.153202
<i>Med1</i>	chr11:98152153-98193293	21.3561	22.2769	0.0609	0.270136
<i>Sdhaf1</i>	chr7:30321410-30322375	28.5811	30.5105	0.0942	0.495629
<i>Gm23262</i>	chr7:111076059-111076227	565.4484	642.4392	0.1842	0.543083
<i>Elp6</i>	chr9:110305191-110322092	3.9199	3.7008	-0.0830	0.554131
<i>Myl12b</i>	chr17:70973919-70990787	159.1747	154.3193	-0.0447	0.709982
<i>Gm1976</i>	chr17:94759943-94834799	2.6058	2.8828	0.1457	0.505001
<i>Col9a3</i>	chr2:180597789-180622189	1.6288	1.5072	-0.1120	0.622955
<i>Tmem101</i>	chr11:102152545-102156404	3.9761	3.7327	-0.0911	0.609141
<i>1700109H08Rik</i>	chr5:3571565-3584356	11.9832	12.9465	0.1116	0.381548
<i>Fam185a</i>	chr5:21424957-21482124	1.5941	1.4887	-0.0986	0.552497
<i>Mkxn2</i>	chr6:115601937-115618670	25.7761	25.2867	-0.0277	0.551671
<i>Evi5l</i>	chr8:4166566-4211257	2.4703	2.3975	-0.0432	0.582671
<i>Gm17477</i>	chr9:80118894-80121937	7.5062	8.0516	0.1012	0.464876
<i>Fgf13</i>	chrX:59062144-59568071	1.0561	1.1926	0.1753	0.495549
<i>Dhrs1</i>	chr14:55739019-55745690	6.6783	6.3581	-0.0709	0.650485
<i>Rpl7l1</i>	chr17:46773906-46782656	35.2212	34.3652	-0.0355	0.663157
<i>Foxn2</i>	chr17:88440710-88490533	22.7848	22.2320	-0.0354	0.704842
<i>Camsap1</i>	chr2:25926837-25983282	4.9106	4.7709	-0.0416	0.678758
<i>Dlgap4</i>	chr2:156613704-156764363	7.3435	7.1676	-0.0350	0.711067
<i>Mysm1</i>	chr4:94942039-94979100	24.9668	24.5420	-0.0248	0.703398
<i>Exosc9</i>	chr3:36552605-36565729	9.0345	9.5836	0.0851	0.484917
<i>Dtx3</i>	chr10:127190377-127195728	15.1336	14.7502	-0.0370	0.641501
<i>Pcif1</i>	chr2:164879303-164894454	31.3527	30.7528	-0.0279	0.747704
<i>Tgfb3l</i>	chr8:4248213-4251423	4.3545	4.6984	0.1097	0.135374
<i>Zmat2</i>	chr18:36793922-36799660	26.8370	28.5542	0.0895	0.512605
<i>Zcchc6</i>	chr13:59771878-59823147	52.4753	54.5159	0.0550	0.246957
<i>Dtx1</i>	chr5:120680201-120711927	80.3488	77.1994	-0.0577	0.747002
<i>Brd3</i>	chr2:27445578-27507662	6.2851	6.6444	0.0802	0.445811
<i>Gm26819</i>	chr13:69809913-69816094	10.5350	11.0635	0.0706	0.319389
<i>Usp24</i>	chr4:106316212-106441322	28.5485	30.1149	0.0771	0.477403
<i>Asf1b</i>	chr8:83955506-83970197	3.3607	3.6603	0.1232	0.521877
<i>Cd53</i>	chr3:106758860-106790149	393.4545	384.2483	-0.0342	0.702747

<i>Tnfrsf22</i>	chr7:143634807-143649661	2.7703	2.9946	0.1123	0.464281
<i>Rnf214</i>	chr9:45863424-45906894	6.7573	7.1106	0.0735	0.296159
<i>Gm14681</i>	chrX:66778441-66778852	14.8509	16.4603	0.1484	0.545545
<i>Gm27029</i>	chr11:101406691-101424796	11.3522	11.0160	-0.0434	0.470051
<i>Rad17</i>	chr13:100617164-100651059	20.0811	19.5417	-0.0393	0.644188
<i>Araf</i>	chrX:20797813-20860519	21.0942	22.1190	0.0684	0.408572
<i>Fam76b</i>	chr9:13827715-13846541	27.1882	26.6130	-0.0309	0.683001
<i>Ap2m1</i>	chr16:20535477-20544909	8.9466	8.7329	-0.0349	0.539097
<i>NA</i>	chr4:116033906-116053380	5.4715	5.2950	-0.0473	0.618137
<i>Samd11</i>	chr4:156246972-156255338	13.4474	13.0998	-0.0378	0.662312
<i>Trpm4</i>	chr7:45303154-45333780	1.9135	2.1279	0.1532	0.565418
<i>Dbp</i>	chr7:45705087-45710155	10.2204	9.8864	-0.0479	0.633027
<i>Alg9</i>	chr9:50775018-50843542	5.8959	6.2243	0.0782	0.216953
<i>Ddx17</i>	chr15:79527706-79546741	119.0258	117.0313	-0.0244	0.742760
<i>Map3k12</i>	chr15:102497648-102517064	5.9296	6.2631	0.0789	0.420557
<i>Itch</i>	chr2:155133508-155226855	20.9378	20.5341	-0.0281	0.692338
<i>Add1</i>	chr5:34573663-34632308	93.2464	92.2688	-0.0152	0.738991
<i>Aasdhppt</i>	chr9:4294792-4309494	9.3092	8.9515	-0.0565	0.626216
<i>Rap2c</i>	chrX:51003911-51018018	21.4779	22.6014	0.0736	0.408065
<i>March6</i>	chr15:31455898-31531037	23.0784	24.2005	0.0685	0.426787
<i>Trav14n-3</i>	chr14:53370295-53370575	19.1274	21.1769	0.1468	0.431675
<i>Luc7l</i>	chr17:26252909-26285504	23.2855	22.9168	-0.0230	0.672251
<i>Snord96a</i>	chr11:48802031-48802112	59.5915	65.2994	0.1320	0.349432
<i>Itsn1</i>	chr16:91729280-91920597	0.3002	0.2824	-0.0886	0.541975
<i>Itga10</i>	chr3:96645583-96664519	0.9933	0.8924	-0.1545	0.654625
<i>Tnfaip1</i>	chr11:78522849-78536332	6.7872	7.1987	0.0849	0.363278
<i>Zbtb14</i>	chr17:69383049-69390750	7.4512	7.2300	-0.0435	0.626027
<i>Tjp3</i>	chr10:81273206-81291267	3.0301	3.2772	0.1131	0.394972
<i>Fancl</i>	chr11:26386134-26471876	7.8469	8.3010	0.0812	0.340497
<i>Tsg101</i>	chr7:46888948-46919969	8.1922	8.6811	0.0836	0.314797
<i>Il18r1</i>	chr1:40465551-40500854	25.2790	24.0193	-0.0737	0.746911
<i>Pex16</i>	chr2:92374675-92381217	13.6773	13.2278	-0.0482	0.570989
<i>Ctdspl2</i>	chr2:121956000-122013642	10.7255	10.4430	-0.0385	0.689674
<i>Srp72</i>	chr5:76974682-76999937	25.3628	26.4655	0.0614	0.286178
<i>Dhps</i>	chr8:85071756-85075162	16.7414	16.3826	-0.0313	0.555493
<i>Gnal</i>	chr18:67088335-67226792	9.9558	10.5006	0.0769	0.427853
<i>Csde1</i>	chr3:103020545-103058189	133.0323	130.1416	-0.0317	0.701087
<i>Lrjf1</i>	chr3:106684986-106736577	12.0092	12.5381	0.0622	0.208522
<i>Slfm1</i>	chr11:83116848-83122670	260.4105	273.5274	0.0709	0.477211
<i>2700089E24Rik</i>	chr6:133105238-133107747	21.0307	20.2568	-0.0541	0.679661
<i>Fam103a1</i>	chr7:81762924-81769491	2.6835	2.9555	0.1393	0.340945
<i>Pvt1</i>	chr15:62037985-62378096	3.7736	3.6181	-0.0607	0.684799
<i>Ldoc1l</i>	chr15:84553397-84557823	3.2571	3.0833	-0.0791	0.682272
<i>Unkl</i>	chr17:25188396-25234443	5.5215	5.8107	0.0737	0.218263
<i>Fam98a</i>	chr17:75537085-75551946	7.3491	7.0785	-0.0541	0.685061
<i>Arhgef2</i>	chr3:88607453-88648052	18.3988	19.4122	0.0774	0.494149
<i>Pigs</i>	chr11:78328414-78342782	13.5650	13.2411	-0.0349	0.637854
<i>Dnajc30</i>	chr5:135064205-135065365	7.7375	8.4770	0.1317	0.508461
<i>BC106179</i>	chr16:23220655-23225368	13.7090	14.4024	0.0712	0.357810
<i>Ywhaq</i>	chr12:21390070-21417637	11.2296	10.8992	-0.0431	0.604047
<i>Far1os</i>	chr7:113530488-113564987	4.1362	3.8473	-0.1045	0.405123
<i>Ostf1</i>	chr19:18579327-18631789	24.9065	24.1940	-0.0419	0.690234
<i>Kif3a</i>	chr11:53567378-53601967	1.7634	1.6402	-0.1044	0.629165
<i>Sec14l1</i>	chr11:117115167-117159268	5.9855	6.3484	0.0849	0.504096
<i>Gtf2h1</i>	chr7:46796102-46823800	34.7063	33.9746	-0.0307	0.670447
<i>Gm5805</i>	chr15:81972389-81972845	10.8867	10.0781	-0.1113	0.543607
<i>Zmiz1os1</i>	chr14:25455736-25461128	1.1006	1.2323	0.1631	0.411213
<i>Tiprl</i>	chr1:165214921-165236943	20.8199	20.2085	-0.0430	0.627239
<i>Alg13</i>	chrX:144317811-144374450	1.4797	1.5936	0.1070	0.216778
<i>Pigv</i>	chr4:133660386-133672647	7.7668	7.5765	-0.0358	0.659659
<i>Zfp322a</i>	chr13:23353102-23369208	14.8919	14.5248	-0.0360	0.667831
<i>Gm10505</i>	chr17:27342459-27344825	3.2612	3.5736	0.1320	0.370793
<i>Ctbs</i>	chr3:146450469-146465849	5.0308	5.3832	0.0977	0.461127
<i>Fam206a</i>	chr4:56802344-56809601	3.1009	3.3070	0.0929	0.374126
<i>Chid1</i>	chr7:141493135-141539857	4.2318	4.1129	-0.0411	0.714204
<i>Snx25</i>	chr8:46033260-46152159	11.0597	11.6303	0.0726	0.375394
<i>Dennd6b</i>	chr15:89182216-89196474	7.3189	7.1134	-0.0411	0.700319
<i>Sgms1</i>	chr19:32122726-32389714	10.2848	10.7206	0.0599	0.217313
<i>Nceh1</i>	chr3:27182964-27284608	6.7306	7.1265	0.0825	0.450225
<i>Nmnat3</i>	chr9:98287434-98420527	2.5233	2.4331	-0.0526	0.535452
<i>Kxd1</i>	chr8:70508271-70527956	16.7612	16.3066	-0.0397	0.681010

<i>Arhgef3</i>	chr14:27238038-27403904	104.8645	102.9561	-0.0265	0.730794
<i>3110009E18Rik</i>	chr1:120121186-120188189	1.9480	2.1776	0.1607	0.519577
<i>P4ha1</i>	chr10:59323295-59373304	22.2642	23.6541	0.0874	0.559883
<i>Mmgt2</i>	chr11:62648663-62666354	4.3536	4.2093	-0.0486	0.592836
<i>Nfe2l1</i>	chr11:96817413-96829968	16.7082	17.5136	0.0679	0.389380
<i>Dnah17</i>	chr11:118021722-118129219	2.4582	2.3834	-0.0446	0.712262
<i>Med28</i>	chr5:45520220-45529276	10.9404	10.5840	-0.0478	0.682681
<i>Mtf2</i>	chr5:108065673-108109004	24.1138	23.5942	-0.0314	0.686349
<i>Atp5k</i>	chr5:108433243-108434448	46.0618	50.4432	0.1311	0.619124
<i>Rfc3</i>	chr5:151642755-151651242	3.1508	3.3741	0.0988	0.397985
<i>Fam21</i>	chr6:116208032-116262668	44.1538	43.5552	-0.0197	0.667029
<i>Fam192a</i>	chr8:94574942-94601726	31.9281	31.0540	-0.0400	0.673824
<i>NA</i>	chr8:109863107-109864203	15.1863	14.6202	-0.0548	0.611279
<i>Bcor</i>	chrX:12036739-12160355	18.4391	19.4993	0.0807	0.536025
<i>Mbnl3</i>	chrX:51117268-51206532	3.5478	3.8039	0.1006	0.525819
<i>Atrx</i>	chrX:105797614-105929397	44.2364	46.0468	0.0579	0.277328
<i>Gpt</i>	chr15:76696763-76699674	3.8909	4.2230	0.1181	0.366552
<i>Nek4</i>	chr14:30951485-30987439	3.4979	3.3196	-0.0755	0.574848
<i>Zfp943</i>	chr17:21962551-22071168	12.1786	12.8326	0.0755	0.472592
<i>Hspa13</i>	chr16:75755189-75766821	3.7950	4.0242	0.0846	0.417502
<i>Scyl3</i>	chr1:163929099-163955126	13.7465	14.3280	0.0598	0.228523
<i>Rock1</i>	chr18:10064400-10181792	53.5353	55.8363	0.0607	0.344658
<i>Matr3</i>	chr18:35562157-35592045	99.6678	104.7582	0.0719	0.470532
<i>Phyh</i>	chr2:4919018-4938730	23.4486	24.8431	0.0833	0.512508
<i>Blvra</i>	chr2:127070664-127097084	8.9541	8.6005	-0.0581	0.640960
<i>Gpr171</i>	chr3:59096447-59101821	42.6916	41.4381	-0.0430	0.701905
<i>Igsf3</i>	chr3:101377124-101463060	0.8060	0.8734	0.1157	0.032126
<i>Eya3</i>	chr4:132638986-132724765	13.6154	14.1917	0.0598	0.184294
<i>Abracl</i>	chr10:18011262-18023252	108.8983	104.3318	-0.0618	0.704863
<i>Hace1</i>	chr10:45577828-45712345	5.0234	4.9313	-0.0267	0.634392
<i>Ankrd24</i>	chr10:81628539-81647610	1.1880	1.1335	-0.0677	0.593080
<i>Rab21</i>	chr10:115289862-115315591	34.4134	33.8311	-0.0246	0.594715
<i>Slc22a5</i>	chr11:53864541-53891660	5.8540	5.6499	-0.0512	0.645480
<i>Nme2</i>	chr11:93949813-93956259	41.1804	39.4642	-0.0614	0.697723
<i>Lasp1</i>	chr11:97798999-97838764	28.7841	28.3204	-0.0234	0.725695
<i>Tmem161b</i>	chr13:84222295-84295966	10.5228	11.0922	0.0760	0.307894
<i>Dimt1</i>	chr13:106947128-106960224	5.8911	6.2689	0.0897	0.353477
<i>Ap1s1</i>	chr5:137034992-137046135	7.5308	8.0124	0.0894	0.375679
<i>Smo</i>	chr6:29735693-29761365	1.0853	1.2021	0.1475	0.392797
<i>Akr1b10</i>	chr6:34384217-34396950	6.1304	6.5537	0.0963	0.524364
<i>Emc3</i>	chr6:113514873-113531638	25.8008	25.0401	-0.0432	0.690015
<i>Ankrd27</i>	chr7:35586246-35639237	16.2767	16.0281	-0.0222	0.667400
<i>Tspan32</i>	chr7:143005045-143019644	101.6513	100.2299	-0.0203	0.723678
<i>Dync2h1</i>	chr9:6928502-7184446	2.1658	2.1128	-0.0357	0.665507
<i>Atp2c1</i>	chr9:105403538-105521257	17.7969	17.3346	-0.0380	0.714734
<i>Plp2</i>	chrX:7667940-7671390	4.3462	4.0562	-0.0996	0.536358
<i>Gpr34</i>	chrX:13632088-13640858	7.1965	7.9053	0.1355	0.629004
<i>Arhgef6</i>	chrX:57231484-57338729	32.0853	31.7416	-0.0155	0.655398
<i>NA</i>	chrX:150408583-150440905	3.4562	3.8654	0.1615	0.586125
<i>Gm10101</i>	chr14:46829108-46832027	2.9083	2.7147	-0.0994	0.630840
<i>Traj31</i>	chr14:54187894-54187951	151.8495	144.4722	-0.0719	0.550778
<i>Ube2i</i>	chr17:25261915-25274622	29.8991	29.5113	-0.0188	0.725663
<i>Birc6</i>	chr17:74528294-74703773	39.0595	41.0121	0.0704	0.475307
<i>Arhgap12</i>	chr18:6024426-6136098	10.0301	10.5332	0.0706	0.400995
<i>Plekha3</i>	chr2:76675280-76696828	18.2684	17.9397	-0.0262	0.575609
<i>Pofut1</i>	chr2:153241532-153270247	9.2503	9.0756	-0.0275	0.743599
<i>Cers2</i>	chr3:95314791-95323588	39.0729	40.6786	0.0581	0.298518
<i>Polr2m</i>	chr9:71478436-71485935	64.0549	62.6177	-0.0327	0.694145
<i>Rmnd5a</i>	chr6:71388633-71440637	37.2698	36.7348	-0.0209	0.718354
<i>Ptpn6</i>	chr6:124720706-124738714	104.4460	102.4936	-0.0272	0.712099
<i>Gm16157</i>	chr7:68266338-68276594	3.8800	3.6235	-0.0987	0.524912
<i>Bicd2</i>	chr13:49341548-49387025	14.4133	15.1381	0.0708	0.393928
<i>St7</i>	chr6:17692932-17943025	1.1718	1.1204	-0.0646	0.577142
<i>Gm16892</i>	chr16:57167400-57174413	4.6134	4.3716	-0.0777	0.524352
<i>Mia3</i>	chr1:183326724-183369529	48.1767	47.5808	-0.0180	0.751403
<i>2700016F22Rik</i>	chr4:139376548-139380379	7.4293	7.8672	0.0826	0.451578
<i>Akt2</i>	chr7:27591551-27640826	11.1806	10.9963	-0.0240	0.691218
<i>Zfp382</i>	chr7:30121941-30134665	7.4255	7.8671	0.0834	0.164554
<i>Gm17354</i>	chr4:108633842-108637441	5.9468	6.2863	0.0801	0.132356
<i>Ube4b</i>	chr4:149328415-149426749	9.4617	9.9359	0.0706	0.398188
<i>Bmp2k</i>	chr5:96997688-97091867	8.2939	8.1511	-0.0251	0.663867

<i>Pex3</i>	chr10:13523841-13553142	7.6831	8.0413	0.0657	0.162525
<i>Ccdc6</i>	chr10:70097120-70193200	11.8509	11.6602	-0.0234	0.707010
<i>Arhgap25</i>	chr6:87458544-87533259	47.2137	49.1077	0.0567	0.335785
<i>Nr2c2</i>	chr6:92091389-92173057	31.5414	31.1619	-0.0175	0.772887
<i>NA</i>	chr7:27988274-28014115	11.4522	11.0639	-0.0498	0.656241
<i>Ddx23</i>	chr15:98645133-98662889	29.8665	29.5530	-0.0152	0.726284
<i>Polr2g</i>	chr19:8793128-8798557	50.8360	49.1410	-0.0489	0.676368
<i>Swt1</i>	chr1:151367698-151428455	7.6049	7.4362	-0.0324	0.670009
<i>Rnf14</i>	chr18:38296634-38317847	29.0843	28.6487	-0.0218	0.649975
<i>Eif1a</i>	chr18:46597703-46610225	20.3287	21.3196	0.0687	0.390767
<i>Pxmp4</i>	chr2:154585757-154603708	10.4195	10.0563	-0.0512	0.699621
<i>Stxbp3a</i>	chr3:108793175-108840526	12.5418	13.0947	0.0622	0.296672
<i>Tert</i>	chr13:73627000-73649041	1.8948	1.7875	-0.0841	0.559747
<i>Casp8ap2</i>	chr4:32615450-32653265	21.9202	21.4306	-0.0326	0.701977
<i>Ccng2</i>	chr5:93267256-93276231	24.0014	25.2259	0.0718	0.485401
<i>Slc38a9</i>	chr13:112660765-112738743	5.9709	5.8385	-0.0323	0.711824
<i>Anapc13</i>	chr9:102626295-102634241	23.6148	25.3948	0.1048	0.358985
<i>Dnajc17</i>	chr2:119172499-119208795	11.9919	11.4514	-0.0665	0.673231
<i>Rnmt1</i>	chr11:76243714-76250619	6.7805	6.4844	-0.0644	0.594829
<i>Tob1</i>	chr11:94211453-94215495	8.3169	9.0108	0.1156	0.581709
<i>Socs3</i>	chr11:117966078-117970047	116.7287	112.0397	-0.0591	0.748988
<i>Hist1h2ak</i>	chr13:21753394-21753907	37.6636	40.8947	0.1187	0.618149
<i>Tubb2a</i>	chr13:34074300-34078008	15.3282	14.4928	-0.0808	0.710790
<i>Unc5a</i>	chr13:54949410-55006018	0.9240	1.0346	0.1631	0.491881
<i>Eif2b4</i>	chr5:31187557-31193430	15.3401	14.8904	-0.0429	0.686154
<i>Ptcd3</i>	chr6:71880647-71908762	36.8621	36.1672	-0.0275	0.677041
<i>Primpol</i>	chr8:46575578-46617212	8.4072	8.8377	0.0720	0.443572
<i>Ubash3b</i>	chr9:41011097-41161697	8.7711	9.2562	0.0777	0.506895
<i>Rap2a</i>	chr14:120478460-120507194	2.0916	1.9538	-0.0984	0.619525
<i>Mad2l1bp</i>	chr17:46147389-46153553	16.0871	15.6030	-0.0441	0.548169
<i>Snx29</i>	chr16:11322907-11755472	2.9988	3.2336	0.1088	0.571823
<i>Tmem258</i>	chr19:10204013-10207824	31.9034	30.8481	-0.0485	0.683618
<i>Ufm1</i>	chr3:53855211-53863830	7.0339	7.4631	0.0854	0.508080
<i>Arhgef39</i>	chr4:43496141-43499695	2.0328	2.2510	0.1471	0.511578
<i>Zfp788</i>	chr7:41633202-41651534	7.3293	7.7004	0.0712	0.285756
<i>Mob3b</i>	chr4:34949073-35157484	1.3307	1.2305	-0.1130	0.699056
<i>Lymr7</i>	chr11:54826865-54860916	2.0078	2.1729	0.1140	0.425578
<i>Tlk2</i>	chr11:105178806-105283959	18.6286	18.3315	-0.0232	0.687956
<i>Zscan2</i>	chr7:80860919-80876516	11.6350	11.3204	-0.0395	0.630091
<i>Mrpl18</i>	chr17:12911348-12916345	24.9577	23.9624	-0.0587	0.682823
<i>Ganab</i>	chr19:8898089-8916663	50.3463	52.2726	0.0542	0.282654
<i>Asrgl1</i>	chr19:9109867-9135636	8.3374	8.1300	-0.0363	0.645713
<i>Rpl31</i>	chr1:39367850-39371908	27.6933	26.9270	-0.0405	0.625424
<i>Stard7</i>	chr2:127270217-127298932	20.8737	20.5500	-0.0225	0.676812
<i>Gm14029</i>	chr2:129182481-129183947	5.6092	6.0699	0.1139	0.436268
<i>Ogt</i>	chrX:101640059-101684351	68.5314	71.7757	0.0667	0.492315
<i>Rnaseh2b</i>	chr14:62292588-62372992	3.3910	3.6087	0.0897	0.481915
<i>Brd2</i>	chr17:34112022-34122634	55.4689	55.1185	-0.0091	0.769856
<i>Gm11769</i>	chr11:120150561-120152341	2.9706	3.2508	0.1300	0.238081
<i>Setd4</i>	chr16:93583456-93604063	5.9435	5.7904	-0.0376	0.629403
<i>Gm14295</i>	chr2:176798611-176811223	1.5878	1.7448	0.1360	0.506627
<i>Purb</i>	chr11:6467598-6476076	41.1550	43.1143	0.0671	0.466121
<i>Zfp62</i>	chr11:49203291-49218816	36.7138	38.1691	0.0561	0.291109
<i>Casc3</i>	chr11:98804904-98833814	19.3245	18.9506	-0.0282	0.738350
<i>Sec31a</i>	chr5:100361648-100416234	17.1561	16.9650	-0.0162	0.722247
<i>Trbj1-5</i>	chr6:41535083-41535133	194.2882	211.1830	0.1203	0.501026
<i>Sars2</i>	chr7:28741967-28753879	6.8777	6.6189	-0.0553	0.652228
<i>Fam175b</i>	chr7:132859224-132885114	11.1957	11.7370	0.0681	0.384143
<i>Rnaseh2a</i>	chr8:84956609-84969767	9.5799	9.3659	-0.0326	0.567067
<i>Cbfb</i>	chr8:105170673-105217986	85.6504	83.3803	-0.0388	0.722803
<i>Itpr3os</i>	chr17:27099657-27101440	10.7367	11.7085	0.1250	0.461458
<i>Cript</i>	chr17:87025549-87035810	18.2218	17.4226	-0.0647	0.695178
<i>Ly9</i>	chr1:171588623-171607410	65.1525	64.2630	-0.0198	0.743861
<i>Vaultrc5</i>	chr18:36801865-36802008	32.7562	29.2646	-0.1626	0.664621
<i>ligp1</i>	chr18:60376028-60392627	55.3135	62.2715	0.1709	0.548490
<i>Eif5a2</i>	chr3:28781310-28798846	3.7445	3.9993	0.0950	0.540647
<i>Ubiad1</i>	chr4:148434494-148444771	5.3843	5.2008	-0.0500	0.571591
<i>Csrnp2</i>	chr15:100479569-100495239	6.4548	6.2935	-0.0365	0.619855
<i>Dennd4b</i>	chr3:90265184-90280669	22.1737	21.6260	-0.0361	0.766010
<i>Lrrfp2</i>	chr9:111118110-111225668	7.8675	8.3484	0.0856	0.504868
<i>Chd1l</i>	chr3:97560741-97610203	23.9541	24.9672	0.0598	0.234975

<i>Dhrs13os</i>	chr11:78030011-78032665	2.5735	2.4324	-0.0814	0.596795
<i>Slc31a1</i>	chr4:62360726-62391769	3.1886	3.3955	0.0907	0.204928
<i>Lrrc42</i>	chr4:107233513-107253532	8.6966	9.3101	0.0984	0.464375
<i>Tmem243</i>	chr5:9100736-9118983	36.2615	35.1486	-0.0450	0.654920
<i>Gm16793</i>	chr8:35582571-35588972	3.8595	3.6595	-0.0768	0.542866
<i>Grhpr</i>	chr4:44981394-44990734	7.1110	7.6058	0.0970	0.235933
<i>Fra10ac1</i>	chr19:38188480-38224138	10.1489	10.8748	0.0997	0.501646
<i>Chmp5</i>	chr4:40948406-40965303	35.7831	34.5384	-0.0511	0.705203
<i>Nedd4l</i>	chr18:64887755-65217826	4.3399	4.2185	-0.0409	0.723358
<i>Smpd13a</i>	chr10:57794334-57811830	53.2890	56.5390	0.0854	0.589792
<i>Zfp873</i>	chr10:82058416-82061329	9.0051	8.6982	-0.0500	0.546366
<i>Bcl11b</i>	chr12:107910402-108003602	81.4155	80.0127	-0.0251	0.762867
<i>Eef1g</i>	chr19:8967040-8978479	47.7148	46.2418	-0.0452	0.712439
<i>Arfgap2</i>	chr2:91264973-91276931	16.9612	16.6555	-0.0262	0.720788
<i>Cdan1</i>	chr2:120716153-120850128	5.6883	5.9906	0.0747	0.464037
<i>Rab2a</i>	chr4:8535643-8607778	50.3453	49.5711	-0.0224	0.659238
<i>Trbv13-2</i>	chr6:41121416-41121832	198.9647	208.8680	0.0701	0.414792
<i>Sema4g</i>	chr19:44989100-45003397	1.0065	0.9471	-0.0879	0.568572
<i>Ubqln4</i>	chr3:88553715-88569725	17.6343	17.3165	-0.0262	0.688862
<i>Cd99l2</i>	chrX:71420059-71492849	4.2353	4.5046	0.0889	0.521751
<i>Osbp9</i>	chr4:109061144-109202272	29.0625	28.5793	-0.0242	0.707356
<i>Acyp1</i>	chr12:85272397-85288438	14.2640	13.7724	-0.0506	0.631078
<i>Gm5141</i>	chr13:62773607-62777089	5.7361	5.3952	-0.0884	0.645996
<i>NA</i>	chr13:109954108-109955963	10.0563	9.7550	-0.0439	0.626009
<i>Ahcy12</i>	chr6:29768010-29912310	8.5163	8.8398	0.0538	0.093110
<i>Nudt21</i>	chr8:94017769-94037021	5.2239	5.5619	0.0904	0.394967
<i>Hmbs</i>	chr9:44336349-44344228	9.2200	8.8433	-0.0602	0.624502
<i>Senp6</i>	chr9:80066902-80144953	44.4669	46.2695	0.0573	0.355384
<i>Mtcp1</i>	chrX:75410443-75416588	10.7263	11.2129	0.0640	0.247665
<i>Tuba1c</i>	chr15:99029890-99038105	5.6519	5.3910	-0.0682	0.571319
<i>Iqcb1</i>	chr16:36828384-36872721	2.0236	2.1744	0.1037	0.502231
<i>Dcp2</i>	chr18:44380499-44424969	17.2554	16.9598	-0.0249	0.731388
<i>Clic3</i>	chr2:25456837-25458776	9.5769	9.1349	-0.0682	0.594490
<i>4930481B07Rik</i>	chr3:95015624-95020138	3.6300	3.4276	-0.0828	0.480238
<i>NA</i>	chr4:108622928-108625216	11.3697	11.0763	-0.0377	0.610864
<i>Cast</i>	chr13:74694285-74807921	97.9983	102.7054	0.0677	0.492602
<i>Rabgef1</i>	chr5:130171797-130214342	6.8522	6.6832	-0.0360	0.575202
<i>Supt5</i>	chr7:28314897-28338719	58.5722	57.8751	-0.0173	0.771439
<i>4732440D04Rik</i>	chr1:6213292-6214590	14.4742	13.5122	-0.0992	0.694355
<i>Pcbp2</i>	chr15:102470631-102500059	30.7527	32.3013	0.0709	0.441328
<i>Ms4a6d</i>	chr19:11586603-11604849	2.6751	2.9428	0.1376	0.456052
<i>Kdm5b</i>	chr1:134560170-134632877	21.6970	21.3710	-0.0218	0.760144
<i>Mgat2</i>	chr12:69184157-69186772	44.4895	43.5190	-0.0318	0.724234
<i>Simc1</i>	chr13:54503778-54551290	5.1925	5.4947	0.0816	0.449744
<i>Mcm7</i>	chr5:138164582-138172422	16.3049	16.0339	-0.0242	0.650718
<i>Zfp526</i>	chr7:25221450-25227507	15.5215	15.2521	-0.0253	0.695599
<i>Fam173b</i>	chr15:31601851-31621227	5.7930	5.6174	-0.0444	0.707088
<i>4930473A02Rik</i>	chr2:130543790-130563749	19.3548	20.4982	0.0828	0.452321
<i>Dnajc14</i>	chr10:128805675-128819446	36.3674	35.8598	-0.0203	0.688944
<i>Gm12185</i>	chr11:48904655-48992226	5.4783	5.8430	0.0930	0.527316
<i>Spag7</i>	chr11:70663770-70669416	20.3071	19.7691	-0.0387	0.621473
<i>Arhgap27</i>	chr11:103331496-103363692	16.6699	17.5705	0.0759	0.513454
<i>Zfp566</i>	chr7:30077336-30090527	3.1249	2.9475	-0.0843	0.477603
<i>Zswim4</i>	chr8:84210941-84237042	9.0474	8.8165	-0.0373	0.736679
<i>Ngly1</i>	chr14:16249279-16311926	24.4663	23.9558	-0.0304	0.733155
<i>Ass1</i>	chr2:31470206-31520672	19.7446	19.2489	-0.0367	0.701577
<i>Cst3</i>	chr2:148871721-148875692	23.2319	22.3059	-0.0587	0.682407
<i>Gm20521</i>	chr14:54883440-54898137	60.5840	59.4440	-0.0274	0.710446
<i>Gm26759</i>	chr8:126566969-126590988	39.2335	41.2553	0.0725	0.425324
<i>Ppcs</i>	chr4:119418529-119422420	8.8059	8.4743	-0.0554	0.506538
<i>Dnah11</i>	chr12:117877981-118199043	0.7905	0.7580	-0.0606	0.550196
<i>Zdhhc16</i>	chr19:41933471-41944095	18.2419	17.8833	-0.0286	0.453907
<i>Ing5</i>	chr1:93803964-93822101	21.4917	21.2338	-0.0174	0.653893
<i>Zfpm1</i>	chr8:122282140-122337251	14.1567	15.1043	0.0935	0.565376
<i>H2-Q7</i>	chr17:35439154-35443773	63.7949	67.6927	0.0856	0.593443
<i>Itm2a</i>	chrX:107397098-107403376	42.4222	45.0776	0.0876	0.539212
<i>0610010F05Rik</i>	chr11:23564960-23633639	2.7964	2.6943	-0.0537	0.586536
<i>Mcrs1</i>	chr15:99242817-99251961	9.0047	8.6872	-0.0518	0.616284
<i>Sept2</i>	chr1:93478963-93510260	26.9562	28.1520	0.0626	0.419327
<i>Cpsf3</i>	chr12:21286296-21315056	61.3589	60.6354	-0.0171	0.690534
<i>Ndufa4</i>	chr6:11900372-11907446	123.7461	119.0176	-0.0562	0.718263

<i>Snrnp27</i>	chr6:86675220-86684522	17.2172	16.5256	-0.0592	0.687495
<i>Cln4-2</i>	chr7:7282315-7299511	33.1923	32.7707	-0.0184	0.719085
<i>Cnot2</i>	chr10:116485160-116581511	48.9349	51.1031	0.0625	0.382134
<i>Naa38</i>	chr11:69395486-69396680	19.2948	18.5159	-0.0594	0.651993
<i>4930430F08Rik</i>	chr10:100572273-100589259	3.3856	3.6459	0.1069	0.496113
<i>Rapgef6</i>	chr11:54522846-54699285	99.0005	97.9014	-0.0161	0.794209
<i>Dqx1</i>	chr6:83057843-83067210	2.9560	3.1927	0.1111	0.486201
<i>Slc30a5</i>	chr13:100802648-100833427	32.8863	32.2296	-0.0291	0.731979
<i>Ttf2</i>	chr3:100938859-100969663	5.0682	5.3577	0.0801	0.484176
<i>Sptbn1</i>	chr11:30099394-30268175	45.7694	48.0345	0.0697	0.532487
<i>Fbxw10</i>	chr11:62847068-62877465	1.3420	1.4612	0.1228	0.340387
<i>Atg4d</i>	chr9:21265298-21274368	39.8096	39.2823	-0.0192	0.728997
<i>Mzt1</i>	chr14:99034543-99046136	19.2854	20.3046	0.0743	0.483791
<i>Mina</i>	chr16:59471774-59492461	14.6738	15.4153	0.0711	0.415327
<i>Gm11670</i>	chr11:108939309-108942015	8.6320	8.0212	-0.1059	0.629860
<i>Trmt2a</i>	chr16:18248678-18254772	18.6731	19.4265	0.0571	0.224717
<i>Hddc2</i>	chr10:31313381-31328204	6.8962	7.3449	0.0909	0.543678
<i>BC025920</i>	chr10:81606269-81620703	4.0035	3.8251	-0.0658	0.694158
<i>Txndc17</i>	chr11:72207546-72210015	29.0728	31.0840	0.0965	0.594868
<i>Mrpl9</i>	chr3:94443317-94451130	22.8417	22.4091	-0.0276	0.666318
<i>Nipal1</i>	chr5:72647795-72671078	9.0710	8.8288	-0.0390	0.685399
<i>Gpatch4</i>	chr3:88043107-88055993	17.7190	17.2405	-0.0395	0.681575
<i>S1pr1</i>	chr3:115710432-115715055	379.9387	373.2099	-0.0258	0.754638
<i>Rbm48</i>	chr5:3583977-3596585	14.2435	13.9603	-0.0290	0.615811
<i>Trbc1</i>	chr6:41538217-41539347	339.9151	334.3046	-0.0240	0.746459
<i>Zfp637</i>	chr6:117841179-117845956	5.4304	5.1913	-0.0650	0.621579
<i>C130026I21Rik</i>	chr1:84992689-85270566	1.4970	1.3421	-0.1575	0.688264
<i>Smim13</i>	chr13:41249859-41276574	4.2300	4.0599	-0.0592	0.659693
<i>Xlr4a</i>	chrX:73074344-73082478	12.5426	13.3127	0.0860	0.499903
<i>Smpd5</i>	chr15:76294433-76296896	14.9717	14.5411	-0.0421	0.708184
<i>Zfp236</i>	chr18:82593592-82692883	19.3249	18.9996	-0.0245	0.771479
<i>Mrpl51</i>	chr6:125191800-125195583	7.2735	6.9892	-0.0575	0.675307
<i>Xkr8</i>	chr4:132724896-132732546	2.2286	2.3923	0.1022	0.398984
<i>Atp6v1b2</i>	chr8:69088645-69113711	12.2758	12.7865	0.0588	0.151901
<i>Actr6</i>	chr10:89711972-89732295	20.0749	19.4696	-0.0442	0.675804
<i>Poli</i>	chr18:70508679-70530620	14.0991	13.9003	-0.0205	0.609816
<i>Caprin1</i>	chr2:103762940-103797649	41.3633	40.8652	-0.0175	0.739627
<i>Mcfcd2</i>	chr17:87254657-87265935	10.8604	10.5663	-0.0396	0.619462
<i>Cyb5d1</i>	chr11:69391924-69395631	5.7205	5.4573	-0.0680	0.511297
<i>Bet1l</i>	chr7:140853383-140856383	20.7230	20.1272	-0.0421	0.680473
<i>Papd5</i>	chr8:88199212-88259722	22.3936	22.0304	-0.0236	0.726612
<i>Frat2</i>	chr19:41845977-41848132	11.6074	11.1455	-0.0586	0.740109
<i>Carf</i>	chr1:60098246-60151032	4.6028	4.8806	0.0845	0.417462
<i>Eprs</i>	chr1:185363094-185428355	53.1571	52.4037	-0.0206	0.722262
<i>Dynlrb1</i>	chr2:155236532-155250277	56.3850	54.0822	-0.0602	0.724214
<i>Gm6297</i>	chr4:40720153-40722398	1.9546	1.7878	-0.1287	0.706147
<i>Meis3</i>	chr7:16175089-16186510	7.4699	7.2466	-0.0438	0.684492
<i>Uba3</i>	chr6:97183669-97205642	23.9259	23.3724	-0.0338	0.693070
<i>Ncapd2</i>	chr6:125168008-125191595	9.0931	9.6398	0.0842	0.557532
<i>Trit1</i>	chr4:123016596-123054949	14.2252	13.8700	-0.0365	0.642778
<i>Cox20</i>	chr1:178319129-178322693	107.7342	105.7156	-0.0273	0.724367
<i>Hnf1a</i>	chr5:114948360-114971067	2.0099	1.9076	-0.0753	0.614525
<i>Lpin2</i>	chr17:71182559-71249817	4.5968	4.8471	0.0765	0.532862
<i>Eme1</i>	chr11:94644995-94653964	2.8982	3.1135	0.1034	0.372164
<i>Aldh7a1</i>	chr18:56509686-56572951	0.9539	1.0379	0.1218	0.398560
<i>Nipsnap1</i>	chr11:4873950-4894200	10.3084	10.0207	-0.0408	0.661895
<i>Mrpl45</i>	chr11:97315715-97329920	9.7064	9.3507	-0.0539	0.685389
<i>Rccd1</i>	chr7:80316595-80324454	8.9350	8.6893	-0.0402	0.705601
<i>Gm6483</i>	chr8:19682267-19698275	1.3211	1.4233	0.1075	0.473965
<i>Wdr5b</i>	chr16:36041189-36042973	14.0639	14.8733	0.0807	0.501240
<i>Pgrmc2</i>	chr3:41066325-41083046	8.4757	8.2658	-0.0362	0.665374
<i>Snrpf</i>	chr10:93583028-93589706	11.6279	12.6931	0.1265	0.600871
<i>Nefh</i>	chr11:4938753-4948064	2.2888	2.4992	0.1268	0.546669
<i>Rnasek</i>	chr11:70238123-70239842	14.2266	13.5215	-0.0733	0.697703
<i>Haus5</i>	chr7:30653710-30664994	6.3829	6.2112	-0.0393	0.588888
<i>Plekhh1</i>	chr7:100642891-100662414	1.3355	1.2582	-0.0860	0.530376
<i>Pkp3</i>	chr7:141078217-141090510	20.6054	22.0571	0.0982	0.649360
<i>Cenpu</i>	chr8:46552054-46580007	5.7681	5.5872	-0.0460	0.630591
<i>Abcg1</i>	chr17:31057697-31115777	44.6934	44.0257	-0.0217	0.786067
<i>Tnfrsf8l1</i>	chr17:56162476-56173955	16.7242	16.4360	-0.0251	0.568996
<i>Prkdc</i>	chr16:15637865-15842235	15.2627	14.9913	-0.0259	0.783691

<i>Atg3</i>	chr16:45158784-45188538	23.7902	23.3549	-0.0266	0.695545
<i>Chuk</i>	chr19:44073334-44107480	25.6625	25.2321	-0.0244	0.726316
<i>Ankrd23</i>	chr1:36530533-36535729	9.5847	9.2275	-0.0548	0.720310
<i>Plk4</i>	chr3:40800018-40816883	3.4765	3.6759	0.0805	0.435291
<i>1700113A16Rik</i>	chr3:88171559-88177785	7.6620	8.3625	0.1262	0.548821
<i>Gm15265</i>	chr3:94998799-95004869	24.7821	24.1012	-0.0402	0.670583
<i>Sdcbp</i>	chr4:6365649-6408423	32.5689	31.9216	-0.0290	0.736537
<i>Mul1</i>	chr4:138434670-138442265	5.9466	5.8097	-0.0336	0.660172
<i>Nfkbiz</i>	chr16:55811374-55838899	27.0558	28.2653	0.0631	0.443094
<i>Zdhhc24</i>	chr19:4878667-4885397	4.2040	4.0592	-0.0506	0.597943
<i>Gabarap</i>	chr11:69991142-69994951	76.0474	73.5822	-0.0475	0.739146
<i>Wdfy2</i>	chr14:62837689-62956886	7.7975	7.5522	-0.0461	0.488713
<i>Ezh1</i>	chr11:101191114-101226463	19.3966	19.2444	-0.0114	0.699707
<i>Nr1h2</i>	chr7:44549615-44553951	26.3143	25.7904	-0.0290	0.761987
<i>Gm4890</i>	chr8:79295122-79307685	2.0133	1.8872	-0.0933	0.496964
<i>Neto2</i>	chr8:85636587-85690973	0.8837	0.8264	-0.0967	0.597384
<i>Sf3b1</i>	chr1:54985168-55027478	294.0655	289.3961	-0.0231	0.776155
<i>Gpd2</i>	chr2:57237634-57370719	7.0046	6.7808	-0.0468	0.733702
<i>4930427A07Rik</i>	chr12:113156420-113165456	1.5446	1.6920	0.1315	0.456019
<i>Sh2b3</i>	chr5:121815487-121836859	14.7219	15.5464	0.0786	0.552595
<i>5830462I19Rik</i>	chr9:110372047-110375430	8.2118	7.9878	-0.0399	0.730683
<i>Gm26675</i>	chr16:3862383-3884505	17.3096	16.8835	-0.0360	0.644665
<i>Denr</i>	chr5:123907174-123928832	12.3905	13.1987	0.0912	0.550923
<i>Kif2a</i>	chr13:106958995-107022126	7.2998	7.6791	0.0731	0.487406
<i>Git2</i>	chr5:114727406-114775517	23.2164	24.2630	0.0636	0.467879
<i>Bri3bp</i>	chr5:125441567-125460872	4.7627	4.6570	-0.0324	0.684556
<i>Slc25a26</i>	chr6:94500313-94604648	3.8557	4.1293	0.0989	0.103650
<i>Uvrag</i>	chr7:98886742-99141144	24.7396	24.3749	-0.0214	0.707650
<i>Banp</i>	chr8:121949749-122029258	9.1007	8.7819	-0.0514	0.768164
<i>Tpm1</i>	chr9:67022589-67049406	8.1318	7.9570	-0.0313	0.707420
<i>Pdzd11</i>	chrX:100622882-100626568	9.0029	9.5461	0.0845	0.495780
<i>Pycri</i>	chr15:75916462-75921560	9.5555	9.2082	-0.0534	0.546337
<i>Rarg</i>	chr15:102234937-102257517	9.5887	10.1133	0.0769	0.511123
<i>Inpp1</i>	chr1:52789412-52817688	37.1859	36.6477	-0.0210	0.703841
<i>Zbtb41</i>	chr1:139422382-139453005	8.2286	8.1056	-0.0217	0.669189
<i>Mr1</i>	chr1:155127877-155146780	9.3995	9.9505	0.0822	0.508445
<i>Rc3h2</i>	chr2:37370068-37422903	17.0707	17.7815	0.0589	0.420558
<i>Tomm5</i>	chr4:45105207-45108114	9.9436	9.4594	-0.0720	0.621454
<i>Gm13157</i>	chr4:147753973-147809788	8.6071	9.0964	0.0798	0.468657
<i>Myl6b</i>	chr10:128494156-128498685	4.3779	4.0982	-0.0952	0.569897
<i>2810474O19Rik</i>	chr6:149309413-149335658	51.7928	53.7920	0.0546	0.363001
<i>Coa4</i>	chr7:100537099-100540369	6.8336	6.5720	-0.0563	0.441085
<i>Gm14085</i>	chr2:122484940-122528040	46.2799	44.5833	-0.0539	0.764571
<i>Znrf3</i>	chr11:5276323-5444847	7.8228	7.6243	-0.0371	0.765365
<i>H2afx</i>	chr9:44334714-44336071	15.3524	14.7948	-0.0534	0.715880
<i>Sf3b6</i>	chr12:4817607-4827658	63.9089	61.5002	-0.0554	0.728949
<i>Mterf3</i>	chr13:66906967-66933088	11.8026	12.3720	0.0680	0.425656
<i>Setmar</i>	chr6:108065044-108077122	3.7290	3.5344	-0.0773	0.519235
<i>1700058P15Rik</i>	chr7:19258491-19259739	14.7317	13.9244	-0.0813	0.659049
<i>Bloc1s3</i>	chr7:19505813-19508331	7.1911	6.9173	-0.0560	0.586619
<i>Usp54</i>	chr14:20548911-20618354	1.4574	1.5578	0.0961	0.430102
<i>Psemb1</i>	chr17:15475720-15498276	139.9969	135.4251	-0.0479	0.741116
<i>Lmnb1</i>	chr18:56707812-56753424	11.5089	11.1966	-0.0397	0.735044
<i>Smad2</i>	chr18:76241579-76305731	25.0022	24.6658	-0.0195	0.686876
<i>Slc14a1</i>	chr18:78100090-78142119	8.8339	9.2533	0.0669	0.331329
<i>Capn3</i>	chr2:120456018-120504913	2.0440	1.9649	-0.0569	0.414477
<i>Gdi2</i>	chr13:3538074-3566261	120.9590	127.3035	0.0738	0.549249
<i>Zfp329</i>	chr7:12804976-12818858	20.7461	20.4485	-0.0208	0.731197
<i>Ctdsp2</i>	chr10:126978716-126999975	20.9507	22.1145	0.0780	0.550894
<i>Card11</i>	chr5:140872998-141000596	47.8768	50.2807	0.0707	0.529793
<i>Slc41a3</i>	chr6:90604724-90646412	3.8171	3.6584	-0.0613	0.679416
<i>Gng3</i>	chr19:8836928-8839246	2.4753	2.7120	0.1318	0.397225
<i>Spag17</i>	chr3:99885405-100143322	1.0099	1.0847	0.1030	0.433053
<i>Tbck</i>	chr3:132684143-132838506	13.2139	13.0348	-0.0197	0.687247
<i>Wtap</i>	chr17:12966795-12992546	23.0550	22.7540	-0.0190	0.713664
<i>4933406P04Rik</i>	chr10:20310505-20312294	2.6197	2.4563	-0.0929	0.621792
<i>Fam120a</i>	chr13:48879218-48968017	73.6492	73.1461	-0.0099	0.811763
<i>Gm17122</i>	chr5:113842600-113843116	35.2058	33.8873	-0.0551	0.623158
<i>Gadd45a</i>	chr6:67035095-67037457	4.0792	4.4645	0.1302	0.593584
<i>Eed</i>	chr7:89954655-89980983	35.5415	35.0852	-0.0186	0.644186
<i>Palb2</i>	chr7:122107261-122132946	1.7587	1.8812	0.0971	0.355967

<i>Otud4</i>	chr8:79639617-79677724	44.8833	44.5454	-0.0109	0.800388
<i>Mpzl3</i>	chr9:45055185-45077436	5.8799	5.7611	-0.0294	0.701211
<i>Traj24</i>	chr14:54195637-54195700	86.4931	95.4108	0.1416	0.571030
<i>Gm26693</i>	chr17:32810143-32821697	4.5846	5.0308	0.1340	0.530365
<i>Zc3h7a</i>	chr16:11136591-11176393	38.5084	38.0250	-0.0182	0.768425
<i>Slk</i>	chr19:47579677-47645246	28.5874	29.6904	0.0546	0.360113
<i>Spg20</i>	chr3:55112107-55137322	7.6760	7.5261	-0.0284	0.667319
<i>Gm15471</i>	chr3:103803128-103808439	3.4801	3.8204	0.1346	0.387152
<i>Mob3c</i>	chr4:115828091-115836185	18.5152	18.1917	-0.0254	0.697379
<i>NA</i>	chr4:155409189-155447944	1.8548	1.2396	-0.5814	0.713039
<i>Wdr45b</i>	chr11:121327223-121354445	9.9046	9.7324	-0.0253	0.703679
<i>Tdp2</i>	chr13:24831678-24842153	25.4215	24.9916	-0.0246	0.630962
<i>Mfsd10</i>	chr5:34633641-34637212	8.5047	8.2860	-0.0376	0.681392
<i>Tmem175</i>	chr5:108629769-108647770	12.0009	12.6088	0.0713	0.511861
<i>Golga3</i>	chr5:110176700-110226470	10.8821	10.7711	-0.0148	0.747637
<i>Ankle2</i>	chr5:110231003-110256651	27.8306	27.5717	-0.0135	0.713939
<i>Tra2a</i>	chr6:49243920-49264052	28.6786	28.0489	-0.0320	0.737470
<i>C87436</i>	chr6:86438373-86473500	11.9560	11.7047	-0.0306	0.732606
<i>Gm26982</i>	chr6:113714970-113716121	10.0304	10.7995	0.1066	0.535078
<i>Gm17216</i>	chr6:148213366-148214573	5.8517	6.4109	0.1317	0.411500
<i>Ddx28</i>	chr8:106009615-106011486	9.4871	10.2774	0.1154	0.656103
<i>Ttc33</i>	chr15:5185524-5218336	15.8544	15.5021	-0.0324	0.636301
<i>Mir719</i>	chr14:60228805-60228915	88.4701	84.9583	-0.0584	0.610306
<i>Sft2d1</i>	chr17:8311101-8396852	8.0433	7.8352	-0.0378	0.734815
<i>Gm9974</i>	chr16:17081998-17082691	6.2169	5.8117	-0.0972	0.584688
<i>Gnb1l</i>	chr16:18498767-18566679	2.5332	2.4193	-0.0664	0.665381
<i>Rab3gap2</i>	chr1:185204167-185286743	13.5008	13.3080	-0.0208	0.745091
<i>Secisbp2l</i>	chr2:125736985-125782870	18.0013	18.6535	0.0513	0.236774
<i>Nsfl1c</i>	chr2:151494181-151511414	11.2259	11.8003	0.0720	0.420501
<i>Ergic3</i>	chr2:156008044-156018279	17.7290	17.3015	-0.0352	0.714540
<i>Pdcd10</i>	chr3:75516489-75556856	13.4013	14.1564	0.0791	0.527617
<i>Sh3d19</i>	chr3:85971108-86130526	0.9037	0.9709	0.1035	0.306791
<i>Ctss</i>	chr3:95526785-95556403	182.9738	191.3636	0.0647	0.497672
<i>Ppih</i>	chr4:119300009-119320546	4.6511	4.4566	-0.0616	0.435886
<i>Itga9</i>	chr9:118606689-118901003	0.6327	0.5956	-0.0873	0.395939
<i>Rps26</i>	chr10:128624529-128626506	762.8626	705.0688	-0.1137	0.636610
<i>Rpl35a</i>	chr16:33056452-33060189	79.0422	73.9795	-0.0955	0.636627
<i>Fam214b</i>	chr4:43032413-43046220	1.1866	1.2997	0.1314	0.482199
<i>Snora74a</i>	chr18:35557031-35557227	883.0622	1015.9170	0.2022	0.560441
<i>Ssh2</i>	chr11:77216286-77460220	29.4865	30.6931	0.0579	0.441983
<i>Ctr9</i>	chr7:111028950-111056377	20.5359	20.1893	-0.0246	0.738057
<i>Atp6v1c1</i>	chr15:38661903-38692443	33.3295	32.7599	-0.0249	0.691331
<i>Adrb2</i>	chr18:62177816-62179959	23.7897	25.1755	0.0817	0.510147
<i>Utrn</i>	chr10:12382187-12861735	104.9844	109.9638	0.0669	0.555280
<i>Tmbim4</i>	chr10:120201589-120224917	5.2955	5.6172	0.0851	0.451010
<i>Rap1gap2</i>	chr11:74383355-74590186	1.9451	2.3276	0.2590	0.624371
<i>Eid2b</i>	chr7:28277705-28280129	1.8966	2.0718	0.1275	0.345084
<i>Wwp2</i>	chr8:107436397-107558594	23.0753	23.9335	0.0527	0.231418
<i>Sepp1</i>	chr15:3268546-3280508	151.4350	146.6292	-0.0465	0.764809
<i>Msrb1</i>	chr17:24736641-24742778	20.0883	19.2951	-0.0581	0.721975
<i>Snrpd1</i>	chr18:10617795-10628230	27.5007	29.3434	0.0936	0.573180
<i>Trib3</i>	chr2:152337421-152344032	2.4343	2.6889	0.1435	0.563240
<i>Wars2</i>	chr3:99141067-99239186	3.2956	3.1901	-0.0469	0.668384
<i>Ube2d3</i>	chr3:135438296-135467178	100.0482	97.2924	-0.0403	0.753835
<i>Adprhl2</i>	chr4:126316046-126321703	17.7104	17.3137	-0.0327	0.738452
<i>Ccdc126</i>	chr6:49319273-49341582	5.6008	5.4239	-0.0463	0.519693
<i>Gabpa</i>	chr16:84834924-84863779	22.7314	23.6921	0.0597	0.399573
<i>Zfp708</i>	chr13:67069399-67097976	6.8339	6.5414	-0.0631	0.698918
<i>A430033K04Rik</i>	chr5:138622858-138648903	5.9224	5.7587	-0.0404	0.625635
<i>Gm20204</i>	chr8:117210777-117215997	2.2038	2.1095	-0.0631	0.740505
<i>Cwf19l2</i>	chr9:3404084-3479236	17.0390	17.9515	0.0753	0.536517
<i>Nckap5l</i>	chr15:99422034-99457748	7.2337	6.9601	-0.0556	0.776811
<i>Cbwd1</i>	chr19:24919915-24961616	6.2474	5.9880	-0.0612	0.633226
<i>Rad54l2</i>	chr9:106688081-106789213	8.3466	8.1772	-0.0296	0.787725
<i>Ttc7b</i>	chr12:100300770-100520822	8.9909	8.8035	-0.0304	0.723423
<i>Copb1</i>	chr7:114215558-114254680	50.4119	52.3718	0.0550	0.354857
<i>Cicn6</i>	chr4:148004258-148038821	4.4816	4.7573	0.0861	0.525053
<i>Arcn1</i>	chr9:44741563-44767845	26.1034	25.7138	-0.0217	0.745702
<i>Pik3cg</i>	chr12:32173472-32208659	12.4724	12.3092	-0.0190	0.778537
<i>Fv1</i>	chr4:147868978-147870358	12.9905	12.6870	-0.0341	0.503356
<i>Psemb3</i>	chr11:97703398-97713500	15.3879	15.0473	-0.0323	0.694605

<i>Psme4</i>	chr11:30771725-30880361	19.6282	20.3491	0.0520	0.265228
<i>Zfp626</i>	chr7:27810812-27818669	16.3678	15.8122	-0.0498	0.671495
<i>Lin37</i>	chr7:30555440-30559838	13.2973	12.9195	-0.0416	0.664708
<i>Mms22l</i>	chr4:24496450-24602950	3.1303	3.3252	0.0871	0.542311
<i>2010111101Rik</i>	chr13:63014933-63326096	10.6692	10.4400	-0.0313	0.767094
<i>Vkorc1</i>	chr7:127893066-127895617	7.1548	7.8984	0.1427	0.527939
<i>Dock11</i>	chrX:35888831-36076562	71.0674	70.1730	-0.0183	0.779167
<i>Atxn10</i>	chr15:85336380-85463836	31.2214	32.5259	0.0591	0.365354
<i>Rpp14</i>	chr14:8080366-8091834	12.0106	11.6183	-0.0479	0.712453
<i>Il17rb</i>	chr14:29996140-30008896	3.8809	3.7412	-0.0529	0.683393
<i>Mettl6</i>	chr14:31478319-31495030	15.8878	15.5569	-0.0304	0.660527
<i>Pcx</i>	chr19:4510471-4621752	1.2243	1.3230	0.1119	0.194183
<i>Cops5</i>	chr1:10024601-10038127	16.6941	16.4617	-0.0202	0.616185
<i>Srp9</i>	chr1:182124736-182132407	24.9681	26.2698	0.0733	0.487819
<i>H13</i>	chr2:152669460-152708670	20.9928	20.8573	-0.0093	0.767901
<i>Car2</i>	chr3:14886425-14900769	2.9791	3.2764	0.1372	0.588658
<i>Mns1</i>	chr9:72438528-72458574	5.8592	5.5776	-0.0710	0.648035
<i>Teddm2</i>	chr1:153849541-153900208	2.0178	2.2265	0.1420	0.533325
<i>Acn9</i>	chr6:6956003-7042979	0.9703	1.0500	0.1139	0.407647
<i>Atpif1</i>	chr4:132530554-132533659	12.2616	13.2388	0.1106	0.651143
<i>Vdac1</i>	chr11:52360859-52389397	17.8725	18.7034	0.0656	0.414064
<i>Timm22</i>	chr11:76406951-76416292	6.8296	6.6445	-0.0396	0.616934
<i>Brip1os</i>	chr11:86201369-86304443	14.9625	15.5642	0.0569	0.323178
<i>Tmem248</i>	chr5:130219743-130243765	21.8943	21.6612	-0.0154	0.733782
<i>Gm20422</i>	chr8:69742861-69774886	13.2390	12.8866	-0.0389	0.645886
<i>Naa10</i>	chrX:73916872-73921944	18.0374	17.7262	-0.0251	0.722111
<i>Ankrd46</i>	chr15:36477667-36496791	18.8635	19.6923	0.0620	0.319933
<i>Gm26782</i>	chr14:50870363-50879003	4.7370	4.5110	-0.0705	0.712377
<i>Tm9sf3</i>	chr19:41210841-41264004	74.8737	73.5990	-0.0248	0.777216
<i>Stklid1</i>	chr2:26934046-26953496	2.6162	2.8461	0.1215	0.438753
<i>Zhx3</i>	chr2:160743926-160872998	11.7021	12.2766	0.0691	0.545128
<i>Tsc22d2</i>	chr3:58415688-58466787	7.1647	7.5567	0.0768	0.564486
<i>Tgfbr3</i>	chr5:107106569-107289629	24.6626	25.7318	0.0612	0.433055
<i>Ttll3</i>	chr6:113389259-113414583	12.7725	12.5302	-0.0276	0.755575
<i>Tmem70</i>	chr1:16665206-16678275	13.9434	13.4967	-0.0470	0.725715
<i>Ubr1</i>	chr2:120860268-120970715	18.5848	19.3928	0.0614	0.472863
<i>1110065P20Rik</i>	chr4:124849484-124850730	5.8033	5.4638	-0.0870	0.615427
<i>1700021F05Rik</i>	chr10:43525120-43540994	7.1609	6.8533	-0.0633	0.571431
<i>Gatsl3</i>	chr11:4218224-4222409	13.9946	13.4243	-0.0600	0.743315
<i>Psmg3</i>	chr5:139823591-139826885	3.9292	4.1805	0.0894	0.381701
<i>Krba1</i>	chr6:48395585-48419855	8.2062	8.6486	0.0758	0.551108
<i>Arl2bp</i>	chr8:94666754-94674417	61.1258	60.2184	-0.0216	0.762998
<i>NA</i>	chr17:12232480-12271184	17.2223	16.9827	-0.0202	0.713095
<i>Osbpl11</i>	chr16:33185070-33243311	18.3759	18.1401	-0.0186	0.756574
<i>Hmgn1</i>	chr16:96120617-96127729	15.1755	14.7536	-0.0407	0.737069
<i>Nfkb1</i>	chr3:135584654-135691547	70.3955	73.0951	0.0543	0.400304
<i>Pafah2</i>	chr4:134396319-134427413	1.1970	1.1245	-0.0902	0.597554
<i>Zfand2a</i>	chr5:139471210-139484549	8.0877	8.4839	0.0690	0.305420
<i>Pnn</i>	chr12:59066918-59074017	44.0700	45.7066	0.0526	0.243625
<i>Bnip3l</i>	chr14:66985238-67008877	19.9504	21.0448	0.0770	0.573522
<i>Inpp5d</i>	chr1:87620311-87720507	26.4573	27.4746	0.0544	0.343535
<i>Prrg4</i>	chr2:104830740-104849876	1.6588	1.8072	0.1237	0.531650
<i>Pcm1</i>	chr8:41239758-41334086	22.6412	23.5094	0.0543	0.398378
<i>Sla</i>	chr15:66780818-66831829	27.3410	28.6337	0.0667	0.552983
<i>Coa5</i>	chr1:37417083-37430103	26.5294	26.0299	-0.0274	0.743894
<i>Dcdc2b</i>	chr4:129608330-129614257	11.6420	11.3027	-0.0427	0.671105
<i>Gins2</i>	chr8:120578632-120589304	6.3540	6.8282	0.1038	0.639933
<i>Ifrd1</i>	chr12:40201566-40248504	11.9274	11.7514	-0.0215	0.729893
<i>Pi4ka</i>	chr16:17280350-17406314	18.2348	18.9673	0.0568	0.408842
<i>Dand5</i>	chr8:84815404-84822823	4.1324	3.8647	-0.0966	0.690108
<i>Lims1</i>	chr10:58323465-58424691	53.0424	52.1185	-0.0254	0.775504
<i>Guf1</i>	chr5:69556923-69575972	10.9347	11.3941	0.0594	0.439497
<i>Gal3st4</i>	chr5:138264920-138272840	2.0767	1.9842	-0.0658	0.584846
<i>Clec2d</i>	chr6:129180614-129186534	439.0389	460.2492	0.0681	0.554311
<i>Slc10a3</i>	chrX:74369216-74373349	17.1420	18.0150	0.0717	0.486076
<i>Dnajc2</i>	chr5:21757266-21785251	20.4607	20.0939	-0.0261	0.742315
<i>Cib1</i>	chr7:80227155-80232813	16.1009	15.7382	-0.0329	0.672975
<i>Zfp764</i>	chr7:127403667-127406822	8.2673	8.0479	-0.0388	0.664718
<i>Zfp930</i>	chr8:69226342-69228980	15.6135	16.4309	0.0736	0.425899
<i>Calr</i>	chr8:84841849-84846934	153.9672	150.9653	-0.0284	0.793351
<i>Ufl1</i>	chr4:25248599-25281821	7.7938	7.6586	-0.0253	0.661223

<i>Adat1</i>	chr8:111966907-111992302	2.8886	2.7980	-0.0459	0.662777
<i>Snupn</i>	chr9:56950877-56983206	7.7268	7.3136	-0.0793	0.694492
<i>Slamf1</i>	chr1:171767126-171801184	12.7331	13.4049	0.0742	0.539538
<i>Poldip2</i>	chr11:78512192-78522736	9.3709	9.7967	0.0641	0.267500
<i>Gm25994</i>	chr11:106783170-106783271	1196.7947	1181.8165	-0.0182	0.784568
<i>Cep170b</i>	chr12:112722173-112746591	1.8949	1.8146	-0.0624	0.717672
<i>Srek1</i>	chr13:103741614-103764504	18.2861	19.0600	0.0598	0.429037
<i>NA</i>	chr5:114812792-114813945	6.6887	7.3872	0.1433	0.582639
<i>Lrch4</i>	chr5:137629120-137641099	41.5103	40.7167	-0.0279	0.800349
<i>Gm16042</i>	chr6:8595737-8596988	13.6078	13.2057	-0.0433	0.729714
<i>Gm16042</i>	chr6:8595742-8596989	13.6514	13.2481	-0.0433	0.729714
<i>Ing2</i>	chr8:47667177-47675556	5.4824	5.8000	0.0812	0.359019
<i>Sept7</i>	chr9:25252438-25308571	148.3777	156.2890	0.0749	0.578867
<i>Phf8</i>	chrX:151520671-151633859	8.9008	9.2467	0.0550	0.284524
<i>Cgrrf1</i>	chr14:46832133-46854193	1.9555	2.1115	0.1107	0.404100
<i>Tapbp</i>	chr17:33915898-33929288	108.7778	114.3949	0.0726	0.592064
<i>Tap1</i>	chr17:34187552-34197225	90.5907	88.8710	-0.0277	0.811072
<i>Gm15868</i>	chr16:14311840-14314014	11.0814	12.2871	0.1490	0.675509
<i>Nudt22</i>	chr19:6993017-6996117	7.2681	6.8916	-0.0767	0.682070
<i>Tgfbra1</i>	chr1:43047268-43098622	8.4058	8.8066	0.0672	0.448519
<i>Smyd3</i>	chr1:178951959-179518041	4.2012	4.1166	-0.0293	0.698287
<i>A430110L20Rik</i>	chr1:181225985-181228498	2.3487	2.5512	0.1193	0.486813
<i>Zfp438</i>	chr18:5210030-5334439	2.3024	2.2006	-0.0652	0.658758
<i>2700094K13Rik</i>	chr2:84669217-84670770	19.0199	18.4018	-0.0477	0.675851
<i>Gm14325</i>	chr2:177831790-177840336	4.0978	3.8309	-0.0972	0.672581
<i>Hadh</i>	chr3:131233418-131272101	8.1513	7.9530	-0.0355	0.736934
<i>Gng5</i>	chr3:146499833-146505572	16.6530	16.3571	-0.0259	0.691440
<i>Gm5687</i>	chr18:12898426-12899066	6.8807	6.4442	-0.0946	0.672067
<i>Tomm34</i>	chr2:164053539-164071169	36.6536	36.3669	-0.0113	0.741616
<i>Cyb561d2</i>	chr9:107539010-107541865	11.3174	11.0461	-0.0350	0.705129
<i>Pggt1b</i>	chr18:46239948-46280850	9.1691	9.6141	0.0684	0.400553
<i>Itih5</i>	chr2:10153570-10256529	4.1675	4.0079	-0.0563	0.765426
<i>Nufip2</i>	chr11:77686154-77741921	51.9060	51.4266	-0.0134	0.810234
<i>Map4k1</i>	chr7:28982853-29003279	38.8868	38.4578	-0.0160	0.773789
<i>Nucb1</i>	chr7:45492873-45510406	15.1549	15.8341	0.0633	0.491658
<i>Mttr9</i>	chr14:63523615-63543953	14.6074	15.2956	0.0664	0.384801
<i>Ddi2</i>	chr4:141677548-141723419	19.3787	19.1348	-0.0183	0.806747
<i>Emi5</i>	chr12:98786603-98901484	8.8706	9.2112	0.0544	0.293466
<i>Ccdc157</i>	chr11:4141122-4160293	2.1832	2.3152	0.0847	0.325910
<i>Echs1</i>	chr7:140105709-140116476	6.2666	6.5839	0.0713	0.505966
<i>Gm15648</i>	chr16:17152629-17153704	18.2240	19.2542	0.0793	0.269098
<i>Cluh</i>	chr11:74649494-74670847	14.2253	13.9534	-0.0278	0.803769
<i>Rqcd1</i>	chr1:74506057-74530844	13.8533	14.4400	0.0598	0.286639
<i>Mpv17</i>	chr5:31140659-31158153	5.8293	5.6804	-0.0373	0.636639
<i>Mphosph9</i>	chr5:124250958-124327972	8.3319	8.6612	0.0559	0.222912
<i>Gps1</i>	chr11:120784271-120789102	6.8580	6.6711	-0.0399	0.669978
<i>Ascc3</i>	chr10:50592668-50851202	36.1501	37.4765	0.0520	0.390588
<i>Asf1a</i>	chr10:53596960-53609213	22.7457	23.6516	0.0563	0.245097
<i>Cyb5d2</i>	chr11:72777231-72796142	2.2243	2.3628	0.0871	0.320170
<i>Pi4k2b</i>	chr5:52741586-52769344	2.3773	2.5461	0.0989	0.501042
<i>Paqr3</i>	chr5:97082328-97111596	2.3242	2.2601	-0.0404	0.700516
<i>Faxacb1</i>	chr9:50768235-50773348	3.2175	3.4407	0.0968	0.534077
<i>Pacs1n2</i>	chr15:83375606-83464606	8.9278	9.3159	0.0614	0.204636
<i>Ergic1</i>	chr17:26561488-26656931	4.7316	4.9685	0.0705	0.412372
<i>3300002I08Rik</i>	chr2:150310934-150362765	2.6068	2.4333	-0.0994	0.691000
<i>Afmid</i>	chr11:117825923-117839908	6.6711	7.0394	0.0775	0.495177
<i>Ccar1</i>	chr10:62743927-62792368	31.7128	33.1590	0.0643	0.481520
<i>Tollip</i>	chr7:141874812-141918507	14.8268	14.6072	-0.0215	0.775002
<i>0610038B21Rik</i>	chr8:77518114-77523898	2.4500	2.6729	0.1256	0.431266
<i>Slc25a30</i>	chr14:75761998-75787037	20.1942	19.7749	-0.0303	0.694112
<i>Nt5c3b</i>	chr11:100422320-100441808	19.6413	19.3491	-0.0216	0.727694
<i>Lig4</i>	chr8:9970019-9977686	3.2600	3.4938	0.0999	0.530248
<i>Nkiras1</i>	chr14:18271135-18283942	5.2766	5.5197	0.0650	0.331796
<i>Atf1</i>	chr15:100227818-100261244	7.8447	8.3063	0.0825	0.495174
<i>Col4a3bp</i>	chr13:96542617-96640167	20.3825	21.2950	0.0632	0.509645
<i>Nusap1</i>	chr2:119618297-119651244	2.5668	2.9813	0.2160	0.645698
<i>Rps6ka3</i>	chrX:159210306-159368244	16.9883	16.5966	-0.0337	0.794921
<i>Srrd</i>	chr5:112337391-112343040	9.3941	9.1082	-0.0446	0.673876
<i>Zfat</i>	chr15:68083765-68258856	2.7561	2.6826	-0.0390	0.744337
<i>Dpp4</i>	chr2:62330072-62412231	26.4779	27.7426	0.0673	0.575507
<i>Tasp1</i>	chr2:139833479-140066805	17.4268	17.0860	-0.0285	0.747128

<i>Pomgnt1</i>	chr4:116123839-116159849	6.3580	6.2258	-0.0303	0.755225
<i>Gppb1/1</i>	chr4:116557657-116593882	51.2508	50.6013	-0.0184	0.791137
<i>Plekha1</i>	chr7:130865755-130913312	13.0541	12.8496	-0.0228	0.770571
<i>March5</i>	chr19:37207542-37222139	19.5097	19.2664	-0.0181	0.655825
<i>Casp8</i>	chr1:58795373-58847503	86.1146	89.5121	0.0558	0.431757
<i>Tsn</i>	chr1:118298516-118311132	38.7930	38.0805	-0.0267	0.763510
<i>Ckap5</i>	chr2:91526761-91620664	17.6259	18.3793	0.0604	0.503463
<i>Atp5j</i>	chr16:84827865-84835625	13.5505	14.2382	0.0714	0.478542
<i>Hp1bp3</i>	chr4:138216295-138244683	62.2908	61.8462	-0.0103	0.788346
<i>Gm23212</i>	chr1:161036681-161036741	271.1842	261.3041	-0.0535	0.717802
<i>Med12l</i>	chr3:59006977-59318410	0.5791	0.6332	0.1288	0.582417
<i>St6galnac2</i>	chr11:116675302-116694868	1.2698	1.2201	-0.0576	0.648398
<i>Trbv19</i>	chr6:41178588-41179048	77.9182	82.8351	0.0883	0.620958
<i>Tmem30a</i>	chr9:79768942-79793507	31.7925	33.1634	0.0609	0.495055
<i>Trim33</i>	chr3:103279292-103358768	21.8780	21.7104	-0.0111	0.782416
<i>Dnd1</i>	chr18:36763670-36766214	3.1365	2.9980	-0.0652	0.649344
<i>Pdzd2</i>	chr15:12357053-12592556	0.3813	0.4182	0.1331	0.562253
<i>Rbm34</i>	chr8:126947174-126971079	10.9284	11.4263	0.0643	0.421594
<i>Ubl5</i>	chr9:20642877-20647140	25.8759	25.1127	-0.0432	0.768787
<i>Bclaf1</i>	chr10:20312468-20342501	105.2399	104.0272	-0.0167	0.792550
<i>Myo19</i>	chr11:84880147-84911226	1.7962	1.7444	-0.0422	0.673269
<i>Trbv17</i>	chr6:41163091-41163551	37.9025	36.1746	-0.0673	0.698223
<i>4930432K21Rik</i>	chr8:84148024-84172590	2.8895	2.7263	-0.0839	0.688067
<i>Slc35f2</i>	chr9:53771534-53818161	3.3783	3.2304	-0.0646	0.629615
<i>Pars2</i>	chr4:106651068-106655282	6.8416	6.6425	-0.0426	0.745847
<i>Gnpda2</i>	chr5:69573107-69592337	8.2037	8.5850	0.0655	0.487133
<i>Trim14</i>	chr4:46494818-46536141	11.7327	12.4028	0.0801	0.560161
<i>Slc39a10</i>	chr1:46807543-46854046	5.7657	5.6347	-0.0332	0.729981
<i>Stat6</i>	chr10:127642985-127660957	72.5405	72.2058	-0.0067	0.840028
<i>Gemin4</i>	chr11:76210570-76217664	9.6733	9.4966	-0.0266	0.731510
<i>D11Wsu47e</i>	chr11:113684411-113694647	9.4542	9.9404	0.0723	0.432588
<i>Fntb</i>	chr12:76765588-76921412	10.2888	10.0678	-0.0313	0.726546
<i>Lgals8</i>	chr13:12439414-12464944	26.4585	27.5274	0.0571	0.436156
<i>Zfp458</i>	chr13:67254917-67269068	1.7002	1.8562	0.1267	0.620908
<i>Usp18</i>	chr6:121245905-121270916	26.4578	29.7349	0.1685	0.633498
<i>Rnf113a1</i>	chrX:37191244-37192462	5.4133	5.8420	0.1099	0.527375
<i>Mea1</i>	chr17:46681136-46683105	40.9405	39.6609	-0.0458	0.750056
<i>Slc17a9</i>	chr2:180725262-180742280	16.7236	16.4002	-0.0282	0.784420
<i>Gm24044</i>	chr9:120128779-120128935	48.8458	52.2139	0.0962	0.323662
<i>Gm26668</i>	chr11:102863336-103075903	1.9340	2.0773	0.1032	0.470553
<i>Rnu3a</i>	chr10:40258466-40258678	241.8803	276.5522	0.1933	0.615417
<i>Metap2</i>	chr10:93858488-93897093	8.5734	8.9404	0.0605	0.418051
<i>Mdm1</i>	chr10:118141786-118168997	3.8324	3.6932	-0.0534	0.666682
<i>Hn1</i>	chr11:115497352-115514387	47.6707	46.6311	-0.0318	0.771723
<i>Endov</i>	chr11:119491346-119511437	6.1218	5.9875	-0.0320	0.790407
<i>Slc12a7</i>	chr13:73763696-73816743	48.2627	47.3762	-0.0267	0.820645
<i>Mterf1a</i>	chr5:3890580-3893933	4.4819	4.7892	0.0957	0.557224
<i>Zfp800</i>	chr6:28239930-28398005	18.9899	18.6949	-0.0226	0.756814
<i>Trbv20</i>	chr6:41188272-41188977	75.4051	71.7086	-0.0725	0.740089
<i>Zfp28</i>	chr7:6383317-6396633	2.4365	2.3414	-0.0574	0.614798
<i>Gm21983</i>	chr7:27168429-27181086	22.3812	21.9193	-0.0301	0.769675
<i>Ctcf</i>	chr8:105636567-105682922	57.3752	59.3413	0.0486	0.199393
<i>Gm26397</i>	chr8:126944846-126944980	91.1188	99.4139	0.1257	0.692655
<i>Bud13</i>	chr9:46283007-46298783	5.5551	5.4474	-0.0282	0.388999
<i>Rps27l</i>	chr9:66946085-66949516	18.5268	17.5994	-0.0741	0.722996
<i>Rac2</i>	chr15:78559168-78572783	213.8856	210.4205	-0.0236	0.805958
<i>Ap3m1</i>	chr14:21031441-21052508	13.9349	14.4932	0.0567	0.425410
<i>Gm15821</i>	chr17:34211311-34214459	51.3589	50.3416	-0.0289	0.802402
<i>Asnsd1</i>	chr1:53325506-53352752	15.1392	15.9125	0.0719	0.570920
<i>Ankzf1</i>	chr1:75192150-75199387	15.3747	15.1322	-0.0229	0.773635
<i>Camk4</i>	chr18:32939040-33195767	21.0505	20.8547	-0.0135	0.800879
<i>Abl1</i>	chr2:31688375-31804227	9.7930	10.2433	0.0649	0.529836
<i>Alkbh3</i>	chr2:93980549-94010807	10.0297	10.5260	0.0697	0.452791
<i>Gyg</i>	chr3:20122083-20155317	11.0883	10.8324	-0.0337	0.718845
<i>Chrn2</i>	chr3:89753447-89764632	2.1119	2.0363	-0.0526	0.709963
<i>Kdm4c</i>	chr4:74242496-74405860	19.3755	19.1805	-0.0146	0.755417
<i>Rab14</i>	chr2:35180204-35201120	25.3641	26.2747	0.0509	0.293513
<i>Eif2b3</i>	chr4:117019401-117087306	3.4650	3.3853	-0.0336	0.700493
<i>Armc1</i>	chr3:19132145-19163065	13.2791	12.9804	-0.0328	0.744326
<i>Zfp512</i>	chr5:31452435-31481749	15.7092	15.4881	-0.0204	0.753349
<i>Stk26</i>	chrX:50841046-50893097	38.2631	37.4131	-0.0324	0.780197

<i>Efsec</i>	chr6:88257333-88446539	21.6782	21.2061	-0.0318	0.789579
<i>Scamp4</i>	chr10:80602881-80615783	22.1284	21.7323	-0.0261	0.781335
<i>Typ23b</i>	chr11:62879454-62916780	9.6341	10.1156	0.0704	0.443081
<i>N4bp2l2</i>	chr5:150608006-150665612	23.6708	23.4661	-0.0125	0.810426
<i>Z310044K18Rik</i>	chr7:83659574-83660963	8.8669	8.3874	-0.0802	0.586690
<i>Tmem183a</i>	chr1:134346096-134361999	21.0699	21.8604	0.0531	0.263993
<i>Hhat</i>	chr1:192512827-192771213	0.6922	0.6621	-0.0640	0.632606
<i>Gm12942</i>	chr4:127123690-127129644	7.8751	7.6479	-0.0422	0.580807
<i>Ccnh</i>	chr13:85189407-85223469	18.5891	19.3252	0.0560	0.373262
<i>Rps4x</i>	chrX:102184940-102189394	173.4815	167.7135	-0.0488	0.777579
<i>1700052N19Rik</i>	chr10:4432466-4455141	4.6017	4.8203	0.0669	0.437936
<i>Slc38a6</i>	chr12:73286778-73354049	1.2949	1.3919	0.1042	0.586020
<i>Ccdc176</i>	chr12:84409070-84433780	2.0974	1.9768	-0.0855	0.648667
<i>Gm26965</i>	chr13:67491151-67526151	16.8095	16.3846	-0.0369	0.709884
<i>Usp38</i>	chr8:80980733-81014906	45.6606	45.2236	-0.0139	0.808645
<i>Ccar2</i>	chr14:70138176-70153811	38.1860	37.9211	-0.0100	0.787802
<i>Tbp</i>	chr17:15499887-15528379	11.1372	11.0654	-0.0093	0.798301
<i>Pim1</i>	chr17:29490811-29495445	90.6345	95.5627	0.0764	0.632141
<i>Scrn3</i>	chr2:73312600-73337818	2.6890	2.8329	0.0752	0.137775
<i>Trip6</i>	chr5:137309898-137314241	2.6646	2.8854	0.1148	0.310639
<i>Fbxl4</i>	chr4:22357542-22434091	9.3049	9.0635	-0.0379	0.753141
<i>McpH1</i>	chr8:18595130-18803189	3.3899	3.5839	0.0803	0.553852
<i>6230400D17Rik</i>	chr14:20687235-20703012	17.3279	18.2119	0.0718	0.456123
<i>Rfx5</i>	chr3:94954074-94961561	9.3066	9.1893	-0.0183	0.746967
<i>Gm16740</i>	chr3:95217456-95226658	11.2937	10.8791	-0.0540	0.664202
<i>Atf4</i>	chr15:80255183-80257540	107.6934	111.8594	0.0548	0.408186
<i>Rps6kb1</i>	chr11:86498870-86544805	16.8930	16.7386	-0.0132	0.814288
<i>Nup43</i>	chr10:7667502-7678881	9.0546	8.7863	-0.0434	0.726674
<i>Ogfod3</i>	chr11:121177590-121204711	3.4465	3.2215	-0.0974	0.679194
<i>Utp15</i>	chr13:98246844-98262992	18.6287	18.3613	-0.0209	0.779893
<i>Gm24146</i>	chr5:139844929-139845250	25.4844	27.3025	0.0994	0.556993
<i>Baiap2l1</i>	chr5:144264525-144358112	1.2714	1.3816	0.1199	0.359250
<i>Gm26856</i>	chr7:49856161-49857600	5.3869	5.7480	0.0936	0.222015
<i>Chd9</i>	chr8:90828834-91054508	12.6369	13.1814	0.0609	0.511947
<i>Ddx10</i>	chr9:53098453-53248112	31.4114	32.7227	0.0590	0.439098
<i>Rbm15b</i>	chr9:106880928-106882289	18.8583	18.4390	-0.0324	0.700578
<i>Ttc5</i>	chr14:50765414-50785518	29.8834	29.3381	-0.0266	0.741683
<i>Traj34</i>	chr14:54184698-54184756	73.6632	69.0618	-0.0931	0.655106
<i>Rcan1</i>	chr16:92391952-92466146	2.8996	3.1388	0.1144	0.643938
<i>Mavs</i>	chr2:131234062-131248025	8.5750	8.3734	-0.0343	0.763961
<i>Tmem64</i>	chr4:15265830-15286753	25.8526	25.3389	-0.0290	0.792201
<i>Fkbp3</i>	chr12:65062435-65073944	120.2812	116.1337	-0.0506	0.777695
<i>Ccnk</i>	chr12:108179737-108203359	7.7911	8.2545	0.0833	0.572739
<i>Gm10382</i>	chr5:125389321-125390554	4.8086	4.5258	-0.0874	0.747307
<i>Nfatc2ip</i>	chr7:126382853-126396737	4.2254	4.5077	0.0933	0.552229
<i>Pin1</i>	chr9:20652129-20666584	8.1450	8.0103	-0.0241	0.644550
<i>Slc26a6</i>	chr9:108854036-108912558	4.3303	4.6132	0.0913	0.424534
<i>Tle4</i>	chr19:14448071-14598051	23.7844	23.4267	-0.0219	0.795324
<i>Sorbs1</i>	chr19:40295048-40402267	1.9886	2.1643	0.1222	0.591303
<i>Dmxl1</i>	chr18:49832669-49965473	13.0782	12.9261	-0.0169	0.826212
<i>Neb</i>	chr2:52136646-52338798	1.7294	1.8491	0.0965	0.658034
<i>PsmD14</i>	chr2:61711693-61800376	29.6766	29.0496	-0.0308	0.762686
<i>Apc2</i>	chr10:80295976-80318263	1.1196	1.0872	-0.0423	0.728964
<i>Ccdc38</i>	chr10:93540631-93584327	2.7184	2.9320	0.1091	0.633089
<i>Rad50</i>	chr11:53649518-53707319	19.7476	19.4679	-0.0206	0.782665
<i>Synj2bp</i>	chr12:81497940-81532911	18.1904	17.8491	-0.0273	0.772818
<i>Adam1a</i>	chr5:121518575-121521695	2.4736	2.3637	-0.0655	0.725337
<i>Parp12</i>	chr6:39086409-39118349	7.2152	7.7071	0.0951	0.660440
<i>Sympk</i>	chr7:19024376-19054618	19.9707	19.7071	-0.0192	0.825234
<i>Frg1</i>	chr8:41397456-41417118	61.9298	65.3572	0.0777	0.613361
<i>4921524J17Rik</i>	chr8:85408758-85432841	6.5112	6.9291	0.0897	0.511840
<i>Gramd4</i>	chr15:86057694-86137634	54.0998	53.6014	-0.0134	0.850979
<i>Gxylt1</i>	chr15:93239741-93275161	5.4467	5.7355	0.0745	0.532607
<i>Rab2b</i>	chr14:52261758-52279545	5.4516	5.3432	-0.0290	0.599949
<i>NA</i>	chr17:21966174-21968272	3.2390	3.4787	0.1030	0.427161
<i>Nelfe</i>	chr17:34850390-34856372	7.1599	7.5523	0.0770	0.403589
<i>Smchd1</i>	chr17:71344488-71475343	38.7929	40.2951	0.0548	0.496083
<i>Pdcl</i>	chr2:37350073-37359332	14.5728	14.2217	-0.0352	0.756075
<i>Trp53i11</i>	chr2:93187547-93201759	11.3695	11.1776	-0.0246	0.786895
<i>Slc35a3</i>	chr3:116669468-116712831	6.2249	6.5031	0.0631	0.520317
<i>Alg14</i>	chr3:121291816-121362011	8.1583	7.7061	-0.0823	0.717162

<i>Pnrc1</i>	chr4:33245422-33290163	115.6769	121.0658	0.0657	0.556603
<i>Odf2</i>	chr2:29889220-29931746	10.8219	10.7367	-0.0114	0.816104
<i>Crk</i>	chr11:75679258-75706908	23.7230	23.4992	-0.0137	0.810098
<i>Zfp455</i>	chr13:67194505-67209298	2.6032	2.7847	0.0972	0.341791
<i>Fbxo24</i>	chr5:137612502-137629002	2.4324	2.3040	-0.0782	0.700178
<i>Ej4e3</i>	chr6:99625134-99666771	9.3862	9.1420	-0.0380	0.713927
<i>Gprc5b</i>	chr7:118972039-118995211	1.9053	1.7883	-0.0915	0.749845
<i>Sc5d</i>	chr9:42254176-42264300	27.8193	27.3177	-0.0263	0.768885
<i>H2-DMa</i>	chr17:34135181-34139101	17.6128	17.0827	-0.0441	0.756180
<i>Cenpq</i>	chr17:40923050-40935047	13.3551	14.0297	0.0711	0.555719
<i>1110054M08Rik</i>	chr16:24391611-24393588	3.6695	3.4667	-0.0820	0.683900
<i>Mrpl39</i>	chr16:84717575-84735742	16.7492	16.3484	-0.0349	0.748303
<i>Rcl1</i>	chr19:29101374-29143843	18.3229	17.9995	-0.0257	0.756173
<i>Tcea1</i>	chr1:4857813-4897909	8.7006	9.1682	0.0755	0.507380
<i>Gpr21</i>	chr2:37516331-37520603	1.2555	1.3756	0.1318	0.552117
<i>Cse1l</i>	chr2:166906039-166946389	21.4957	22.3476	0.0561	0.423064
<i>Tbc1d1</i>	chr5:64159450-64351486	30.7215	30.5541	-0.0079	0.839602
<i>Ubald1</i>	chr16:4874777-4880315	11.4110	11.1336	-0.0355	0.803635
<i>Rps28</i>	chr17:33819026-33824562	76.7420	72.0980	-0.0901	0.680461
<i>lqce</i>	chr5:140661826-140702378	4.1257	4.3051	0.0614	0.375919
<i>Gm11478</i>	chr11:86630427-86631026	17.0039	16.0156	-0.0864	0.732205
<i>6530402F18Rik</i>	chr2:29245106-29253006	4.4944	4.3959	-0.0319	0.749149
<i>Srrt</i>	chr5:137295703-137307674	70.5468	69.6104	-0.0193	0.814912
<i>Alkbh6</i>	chr7:30308716-30314304	7.8885	8.2686	0.0679	0.384600
<i>Pdk3</i>	chrX:93764606-93832201	8.7226	9.1415	0.0677	0.383763
<i>BC065397</i>	chrX:136741823-136803364	3.6851	3.9066	0.0842	0.381183
<i>Gtpbp8</i>	chr16:44736767-44746363	16.7076	17.4003	0.0586	0.400186
<i>Znf512b</i>	chr2:181582102-181592803	17.2995	18.0931	0.0647	0.557222
<i>Vps45</i>	chr3:95999831-96058466	5.0409	5.2873	0.0688	0.322197
<i>Cc2d1a</i>	chr8:84132827-84147936	13.3326	14.0617	0.0768	0.588213
<i>Akap12</i>	chr10:4266328-4359468	4.2314	4.1348	-0.0333	0.724772
<i>ltfg1</i>	chr8:85717556-85840949	24.5629	24.1021	-0.0273	0.793657
<i>Cops3</i>	chr11:59817794-59839838	25.7296	25.3152	-0.0234	0.774649
<i>Rhot1</i>	chr11:80209018-80267907	12.3716	12.2242	-0.0173	0.755212
<i>Zfp687</i>	chr3:95006589-95015448	13.6366	14.3116	0.0697	0.580009
<i>1110034G24Rik</i>	chr2:132686930-132751055	10.0120	9.7882	-0.0326	0.664115
<i>Ndufs6</i>	chr13:73319837-73328542	19.5929	18.7380	-0.0644	0.743676
<i>4930503L19Rik</i>	chr18:70453139-70472480	10.1788	10.7376	0.0771	0.573879
<i>Anapc4</i>	chr5:52834014-52867797	14.6406	15.1551	0.0498	0.240061
<i>Galc</i>	chr12:98202303-98259459	1.1036	1.2022	0.1234	0.378477
<i>2310061I04Rik</i>	chr17:35892676-35897431	3.5651	3.8197	0.0995	0.494614
<i>Wrap53</i>	chr11:69561757-69580255	10.6199	10.3575	-0.0361	0.746279
<i>Btbd7</i>	chr12:102784655-102878406	19.7198	19.4355	-0.0210	0.796748
<i>Zbtb4</i>	chr11:69765911-69784023	19.6148	19.4611	-0.0113	0.852312
<i>Ankrd49</i>	chr9:14780208-14782964	21.7380	21.1320	-0.0408	0.753010
<i>Qars</i>	chr9:108508004-108515941	22.5334	23.3933	0.0540	0.394974
<i>Telo2</i>	chr17:25099569-25115967	4.6386	4.5472	-0.0287	0.771488
<i>Mutyh</i>	chr4:116807722-116819440	5.3497	5.2113	-0.0378	0.536498
<i>A730071L15Rik</i>	chr11:6200028-6201643	3.8626	3.6949	-0.0640	0.501863
<i>Nup88</i>	chr11:70943057-70969973	14.3457	14.2684	-0.0078	0.711999
<i>Psmc12</i>	chr11:107479483-107504362	18.4134	19.2212	0.0619	0.469052
<i>Tmx1</i>	chr12:70453094-70468040	22.6112	22.1432	-0.0302	0.777322
<i>Ppm1a</i>	chr12:72761210-72794940	34.7554	34.3325	-0.0177	0.768194
<i>Numb</i>	chr12:83794033-83921934	17.1804	16.9056	-0.0233	0.783870
<i>Secisbp2</i>	chr13:51651696-51684044	17.9158	18.5989	0.0540	0.398636
<i>Ttc37</i>	chr13:76098733-76187983	16.5042	16.2908	-0.0188	0.799916
<i>F2rl1</i>	chr13:95511731-95525240	11.6368	12.3193	0.0822	0.643239
<i>Bdp1</i>	chr13:100017993-100104070	22.4905	23.3195	0.0522	0.407563
<i>Paxip1</i>	chr5:27740666-27791339	9.3200	9.2118	-0.0169	0.772328
<i>Grsf1</i>	chr5:88659447-88676171	17.0271	17.7825	0.0626	0.462249
<i>Trbv16</i>	chr6:41151790-41152225	97.7564	94.9755	-0.0416	0.754516
<i>Avl9</i>	chr6:56714926-56761911	25.1566	25.0072	-0.0086	0.822586
<i>Rpl28</i>	chr7:4792873-4794562	3.9219	4.2955	0.1312	0.511151
<i>Swap70</i>	chr7:110221702-110283503	4.0645	3.9441	-0.0434	0.713698
<i>6820431F20Rik</i>	chr8:20262612-20297546	0.7000	0.6651	-0.0738	0.685238
<i>Rnf170</i>	chr8:26119367-26143871	4.2115	4.4358	0.0749	0.533985
<i>Cdc37</i>	chr9:21138540-21149906	60.3835	59.2439	-0.0275	0.811474
<i>Gm16124</i>	chr9:53667245-53681265	15.4038	14.7843	-0.0592	0.637967
<i>Abcb7</i>	chrX:104280656-104413856	17.7836	17.4845	-0.0245	0.786770
<i>Wdr90</i>	chr17:25844770-25861501	2.3946	2.3396	-0.0335	0.737659
<i>Trmt112</i>	chr19:6909697-6911049	10.5256	10.2448	-0.0390	0.640491

<i>Kansl3</i>	chr1:36335729-36369181	21.1569	20.9060	-0.0172	0.825819
<i>Mjff</i>	chr1:82724889-82752394	22.1977	21.8428	-0.0233	0.778191
<i>St6galnac4</i>	chr2:32587094-32599698	6.0279	6.3742	0.0806	0.584634
<i>Ivd</i>	chr2:118861953-118882909	11.0216	10.8671	-0.0204	0.793476
<i>Ppp1r16b</i>	chr2:158665397-158766334	14.6440	15.1887	0.0527	0.371800
<i>Gm17641</i>	chr3:68867916-68870266	2.0159	1.8929	-0.0909	0.671563
<i>Magi3</i>	chr3:104013258-104220374	8.5279	8.8677	0.0564	0.322923
<i>Lamtor5</i>	chr3:107278857-107284079	16.1643	17.2116	0.0906	0.619749
<i>Pigk</i>	chr3:152714099-152980408	7.3956	7.2975	-0.0193	0.790476
<i>Gmeb1</i>	chr4:132221024-132261602	5.0198	4.9510	-0.0199	0.709140
<i>Gm17195</i>	chr12:79163407-79163835	11.5728	10.9724	-0.0769	0.585018
<i>Atg2b</i>	chr12:105613538-105685241	14.9754	15.5535	0.0546	0.449754
<i>Plbd2</i>	chr5:120483281-120503625	2.8731	2.7703	-0.0526	0.791155
<i>2310045N01Rik</i>	chr8:70139498-70167488	13.5245	14.1192	0.0621	0.442465
<i>Gm16185</i>	chr9:97085325-97088610	9.6913	10.1873	0.0720	0.582161
<i>Flnb</i>	chr14:7817956-7951588	19.3952	19.0327	-0.0272	0.829634
<i>Mrpl43</i>	chr19:45005013-45006442	29.3217	28.5830	-0.0368	0.756411
<i>Mcmdc2</i>	chr1:9908637-9942085	1.5999	1.5336	-0.0610	0.658696
<i>Paip2</i>	chr18:35598616-35617186	57.9467	61.1978	0.0788	0.639053
<i>Ccdc94</i>	chr17:55959186-55967949	15.5626	16.2926	0.0661	0.125726
<i>Lta4h</i>	chr10:93453395-93484896	66.2927	65.4076	-0.0194	0.792166
<i>Supt6</i>	chr11:78206745-78245987	32.8682	34.0407	0.0506	0.413187
<i>Mnat1</i>	chr12:73123716-73273988	8.8374	9.2575	0.0670	0.440322
<i>C1galt1</i>	chr6:7844841-7872047	29.5546	29.1660	-0.0191	0.767647
<i>4921507P07Rik</i>	chr6:50573301-50596632	1.7819	1.9257	0.1120	0.468946
<i>Tbx6</i>	chr7:126781482-126785560	7.6697	7.4384	-0.0442	0.772005
<i>Armc5</i>	chr7:128237356-128245100	7.0665	7.4306	0.0725	0.503315
<i>9530027J09Rik</i>	chrX:48276791-48285426	13.9444	14.7225	0.0783	0.572800
<i>Ttc3</i>	chr16:94370617-94469222	18.1677	18.7755	0.0475	0.264174
<i>Syvn1</i>	chr19:6046575-6053712	7.1053	7.5115	0.0802	0.586661
<i>Tommm22</i>	chr15:79670860-79672862	71.6185	70.0699	-0.0315	0.774120
<i>Ndc1</i>	chr4:107367783-107416346	4.3677	4.2408	-0.0425	0.755430
<i>Glimp</i>	chr3:88325022-88331313	9.9179	9.8043	-0.0166	0.778611
<i>Mbd3</i>	chr10:80392538-80399550	17.2885	16.9350	-0.0298	0.796934
<i>Agpat1</i>	chr17:34604261-34613449	17.3914	17.1646	-0.0189	0.777015
<i>Trp53inp1</i>	chr4:11156430-11174379	98.6662	102.5907	0.0563	0.524143
<i>Slc30a4</i>	chr2:122681232-122702663	11.3709	11.0226	-0.0449	0.805025
<i>Mtmt11</i>	chr3:96162003-96171718	3.8726	3.7272	-0.0552	0.756927
<i>Actr10</i>	chr12:70937856-70964718	19.9760	20.7569	0.0553	0.414638
<i>Mrps31</i>	chr8:22411339-22429665	14.9272	14.3749	-0.0544	0.743944
<i>Stag2</i>	chrX:42149316-42277185	66.1021	68.5820	0.0531	0.455037
<i>Abhd17b</i>	chr19:21653308-21685637	13.8910	13.5619	-0.0346	0.750311
<i>Cox5a</i>	chr9:57521231-57532424	51.2485	49.7746	-0.0421	0.763110
<i>Oxnad1</i>	chr14:32085373-32103202	3.7913	3.6937	-0.0376	0.763666
<i>Arpc3</i>	chr5:122391877-122406179	67.3927	65.6160	-0.0385	0.790851
<i>Tnks</i>	chr8:34829178-34965690	10.3476	10.1784	-0.0238	0.829760
<i>Cmtm3</i>	chr8:104340593-104347672	4.2702	4.0868	-0.0633	0.671048
<i>Gm9917</i>	chr9:107558809-107568415	10.0270	9.8690	-0.0229	0.761436
<i>Gm9843</i>	chr16:76403208-76403712	16.4767	15.6594	-0.0734	0.697294
<i>Ranbp6</i>	chr19:29808107-29812974	23.8733	23.5578	-0.0192	0.789570
<i>Nucks1</i>	chr1:131910457-131936321	45.0495	46.6705	0.0510	0.417716
<i>Pigc</i>	chr1:161969185-162027106	7.9825	7.8423	-0.0256	0.713206
<i>Mrps2</i>	chr2:28468065-28471178	11.0214	10.8009	-0.0292	0.761950
<i>Sass6</i>	chr3:116595007-116630984	2.6110	2.7726	0.0867	0.458448
<i>Psmid9</i>	chr5:123228189-123250131	4.3577	4.5838	0.0730	0.437525
<i>Ddx39</i>	chr8:83715176-83726892	56.2059	58.1160	0.0482	0.400169
<i>Gm4956</i>	chr1:21285245-21298312	4.6341	5.0082	0.1120	0.594992
<i>Gpatch2</i>	chr1:187215507-187351704	7.7566	7.6680	-0.0166	0.826248
<i>Kdm6bos</i>	chr11:69401512-69402700	4.5920	4.9949	0.1213	0.392667
<i>Lipe</i>	chr7:25379526-25398710	5.1997	5.4705	0.0733	0.519204
<i>A930029G22Rik</i>	chr17:69416659-69439304	3.3595	3.2070	-0.0670	0.614105
<i>R3hdm4</i>	chr10:79910052-79917006	24.2495	25.3758	0.0655	0.486926
<i>Acy1</i>	chr9:106432995-106438236	7.6078	7.3330	-0.0531	0.724571
<i>Slc39a1</i>	chr3:90248171-90253612	9.2806	9.7401	0.0697	0.440990
<i>Tmem57</i>	chr4:134802758-134853345	10.8025	11.2658	0.0606	0.533999
<i>Osbpl8</i>	chr10:111164801-111297247	57.1947	56.4175	-0.0197	0.820017
<i>Nfix</i>	chr8:84699875-84800344	2.3521	2.2924	-0.0372	0.738255
<i>Phkg2</i>	chr7:127573339-127583305	17.6206	17.4252	-0.0161	0.776826
<i>Far2</i>	chr6:148047258-148182758	5.9820	6.2454	0.0622	0.415066
<i>Tmem251</i>	chr12:102743759-102747561	9.3663	9.7970	0.0649	0.438569
<i>Zfand2b</i>	chr1:75168645-75171629	15.7106	16.5130	0.0719	0.545366

<i>Atg13</i>	chr2:91674617-91710576	7.8272	7.6901	-0.0255	0.795955
<i>Bicap</i>	chr2:157556361-157571274	5.2244	5.1107	-0.0317	0.693144
<i>Ints8</i>	chr4:11199157-11254258	8.6584	9.0177	0.0587	0.431434
<i>Tesk1</i>	chr4:43441938-43448064	10.0183	9.8255	-0.0280	0.817308
<i>Rps6ka4</i>	chr19:6829084-6840601	13.2635	13.1028	-0.0176	0.790458
<i>Ddx1</i>	chr12:13219307-13249213	36.1349	35.7411	-0.0158	0.794232
<i>Gm26529</i>	chr7:89980748-89981848	4.8408	4.6321	-0.0636	0.558619
<i>Plcl1</i>	chr1:55406387-55751802	1.4205	1.5542	0.1298	0.634136
<i>Rps19bp1</i>	chr15:80260613-80264306	11.7112	11.2863	-0.0533	0.692164
<i>Lmf2</i>	chr15:89351003-89355659	11.2470	11.7624	0.0646	0.425624
<i>Gm20695</i>	chr16:3884647-3919517	26.0922	27.2307	0.0616	0.392555
<i>Cep57</i>	chr9:13807791-13827107	15.5029	16.1371	0.0578	0.480658
<i>Cd28</i>	chr1:60716799-60773359	67.5107	70.0873	0.0540	0.519302
<i>Pstk</i>	chr7:131371140-131387839	11.8756	11.6620	-0.0262	0.623680
<i>Thy1</i>	chr9:44043383-44048579	207.8209	203.4307	-0.0308	0.817086
<i>Hdac1</i>	chr4:129516103-129542713	7.0648	6.9025	-0.0335	0.794651
<i>Cep97</i>	chr16:55899887-55934855	23.6758	23.5556	-0.0073	0.851020
<i>Xpo6</i>	chr7:126101714-126200501	27.4010	27.1568	-0.0129	0.865187
<i>Zfp68</i>	chr5:138604615-138619761	28.6635	28.3452	-0.0161	0.789764
<i>Zc3h18</i>	chr8:122376608-122417360	13.5486	13.4504	-0.0105	0.856038
<i>Mpst</i>	chr15:78406711-78414002	12.6165	12.3446	-0.0314	0.710636
<i>Phf20l1</i>	chr15:66577571-66645255	87.9706	90.9979	0.0488	0.427145
<i>Fam134a</i>	chr1:75142785-75147909	36.2968	35.9583	-0.0135	0.836928
<i>Smek1</i>	chr12:101039408-101083702	59.3087	58.8702	-0.0107	0.837392
<i>Rragc</i>	chr4:123917445-123936997	16.9663	16.6966	-0.0231	0.783081
<i>Gm15559</i>	chr5:110770948-110779260	2.6689	2.5441	-0.0691	0.683943
<i>D830025C05Rik</i>	chr8:25597011-25597989	4.8325	5.2044	0.1069	0.373841
<i>Zfp961</i>	chr8:71951037-71993408	8.2758	8.6416	0.0624	0.395254
<i>Ndufb7</i>	chr8:83566670-83571626	10.3768	10.1450	-0.0326	0.779837
<i>Pts</i>	chr9:50521617-50528641	56.9916	59.2473	0.0560	0.433990
<i>Clec16a</i>	chr16:10545338-10744878	4.2246	4.4099	0.0620	0.387224
<i>Klhl6</i>	chr16:19946498-19983037	137.2453	136.0866	-0.0122	0.854046
<i>Pla2g16</i>	chr19:7557458-7588545	10.4787	10.2769	-0.0281	0.797510
<i>Pqlc1</i>	chr18:80253291-80292725	1.4333	1.3884	-0.0459	0.699698
<i>Peo1</i>	chr19:45006557-45012762	6.5950	6.4352	-0.0354	0.778679
<i>Smpd2</i>	chr10:41485641-41490369	15.8060	15.6724	-0.0122	0.832333
<i>Rpl13</i>	chr8:123102349-123105244	29.3614	31.0146	0.0790	0.648932
<i>Pign</i>	chr1:105518421-105659008	10.6731	11.0737	0.0532	0.401921
<i>Cpsf6</i>	chr10:117344672-117380015	31.0024	30.8321	-0.0079	0.861861
<i>Mettl1</i>	chr10:127041413-127046365	5.8226	5.6392	-0.0462	0.768388
<i>Klf3</i>	chr5:64803522-64830129	81.0081	85.0131	0.0696	0.644174
<i>Clp2</i>	chr5:134489385-134552434	2.7151	2.6252	-0.0486	0.723738
<i>Coq7</i>	chr7:118509658-118533356	1.0556	1.0031	-0.0736	0.639900
<i>Tjdp2</i>	chr9:96196274-96323646	4.7891	5.0100	0.0651	0.540122
<i>P4htm</i>	chr9:108578825-108597600	3.8988	3.7512	-0.0557	0.672115
<i>Comtd1</i>	chr14:21845860-21848977	4.2314	4.4984	0.0883	0.485674
<i>Gm23946</i>	chr14:32191853-32192050	23.2703	21.9185	-0.0863	0.656954
<i>Kbtbd7</i>	chr14:79426510-79431039	4.5288	4.7604	0.0719	0.522666
<i>Rps10</i>	chr17:27630421-27636629	53.5118	52.2525	-0.0344	0.805916
<i>BC027231</i>	chr16:44724300-44737284	10.2977	10.6625	0.0502	0.090789
<i>Cfl1</i>	chr19:5490484-5494029	486.5943	473.6621	-0.0389	0.810208
<i>Tmem216</i>	chr19:10533864-10556238	6.8741	6.6895	-0.0393	0.745382
<i>Lipo1</i>	chr19:33517739-33761951	1.9596	1.8621	-0.0736	0.738053
<i>Wdr12</i>	chr1:60076867-60098645	11.7164	11.5266	-0.0236	0.803590
<i>Seh1l</i>	chr18:67774875-67795461	22.7958	23.7321	0.0581	0.504534
<i>Pithd1</i>	chr4:135975459-135987264	14.6668	14.4308	-0.0234	0.722918
<i>Cd247</i>	chr1:165788680-165877276	125.3345	124.2165	-0.0129	0.844780
<i>Kcna3</i>	chr3:107036161-107038129	26.0571	25.6043	-0.0253	0.828130
<i>Rabl6</i>	chr2:25583017-25608521	13.0861	13.5395	0.0491	0.249820
<i>Fam219a</i>	chr4:41517690-41569538	1.2572	1.3722	0.1263	0.595217
<i>Fgd3</i>	chr13:49261553-49320311	30.7279	30.5401	-0.0088	0.876657
<i>Rps9</i>	chr7:3703992-3706901	272.9361	265.5552	-0.0396	0.809243
<i>Zscan22</i>	chr7:12897814-12909083	2.8929	3.0869	0.0937	0.513554
<i>Emc8</i>	chr8:120653913-120668573	4.5346	4.7756	0.0747	0.551779
<i>Mrpl50</i>	chr4:49512595-49521093	11.5853	12.2274	0.0778	0.587878
<i>Loxl3</i>	chr6:83034172-83052562	2.5237	2.4531	-0.0410	0.636262
<i>Hira</i>	chr16:18877036-18970309	8.6594	8.5060	-0.0258	0.818137
<i>Ankrd32</i>	chr13:77043087-77135473	6.1221	6.3780	0.0591	0.477984
<i>Sil1</i>	chr18:35266399-35498925	14.7830	14.4184	-0.0360	0.785913
<i>Harbi1</i>	chr2:91710851-91721545	3.1792	3.0890	-0.0415	0.744162
<i>Ndufv3</i>	chr17:31520114-31531321	38.8675	37.7198	-0.0432	0.796783

<i>Rnf122</i>	chr8:31111819-31131482	2.8276	2.9590	0.0655	0.338252
<i>Bscl2</i>	chr19:8837466-8848683	8.4865	8.7982	0.0520	0.301001
<i>Ptch1</i>	chr13:63511532-63565520	5.8536	6.1755	0.0772	0.580584
<i>Sdhd</i>	chr9:50596337-50603849	38.1993	37.4657	-0.0280	0.776641
<i>Polr3a</i>	chr14:24448693-24487046	18.5954	18.4074	-0.0147	0.853855
<i>Fam122a</i>	chr19:24476501-24477356	5.7059	6.1889	0.1172	0.504684
<i>Lrrc47</i>	chr4:154011730-154021513	12.6824	12.3582	-0.0374	0.825136
<i>Gm11346</i>	chr13:24597612-24604925	62.4795	64.7064	0.0505	0.444804
<i>9430091E24Rik</i>	chr8:111128885-111145480	10.1405	9.8434	-0.0429	0.689040
<i>Acsf5</i>	chr19:55253368-55296627	59.6242	59.0252	-0.0146	0.828885
<i>Zfp617</i>	chr8:71908634-71934629	6.3011	6.6492	0.0776	0.606590
<i>Foxp3</i>	chrX:7579675-7595243	6.3260	6.2070	-0.0274	0.774640
<i>Gm23119</i>	chr18:74778560-74778700	57.1381	61.0276	0.0950	0.541937
<i>Tnfrsf14</i>	chr4:154922209-154928563	35.3161	37.1359	0.0725	0.592449
<i>Mpc1</i>	chr17:8282903-8297661	4.2238	4.0865	-0.0477	0.468680
<i>Cntrl</i>	chr2:35109491-35178822	54.9202	54.4719	-0.0118	0.868146
<i>Smc3</i>	chr19:53600397-53645833	38.0752	39.5152	0.0536	0.498079
<i>Tmem209</i>	chr6:30479052-30509783	11.2940	11.6941	0.0502	0.401392
<i>Lrrc61</i>	chr6:48554795-48570722	4.3080	4.1959	-0.0380	0.717279
<i>Pelp1</i>	chr11:70392882-70410031	5.8883	6.2325	0.0819	0.588479
<i>Rffl</i>	chr11:82802448-82871210	10.3576	10.2724	-0.0119	0.788466
<i>Tmem167b</i>	chr3:108556424-108562466	25.3843	24.8565	-0.0303	0.791565
<i>Git1</i>	chr11:77493561-77507786	6.9625	7.3577	0.0796	0.642000
<i>Exo5</i>	chr4:120921195-120925017	10.1339	10.6764	0.0752	0.570445
<i>Proz</i>	chr8:13060907-13075006	1.9295	2.0948	0.1186	0.538590
<i>Gm26767</i>	chr9:97068182-97073429	3.1780	3.3506	0.0763	0.361353
<i>Cisd2</i>	chr3:135406411-135423925	17.5885	17.3447	-0.0201	0.806597
<i>Rab27a</i>	chr9:73044864-73097592	38.5549	38.0905	-0.0175	0.816768
<i>Gimap5</i>	chr6:48746196-48754210	32.4725	33.7366	0.0551	0.468049
<i>Bid</i>	chr6:120891929-120916853	6.0401	5.9180	-0.0295	0.734700
<i>Zfp790</i>	chr7:29816071-29832042	10.8906	10.7471	-0.0191	0.780623
<i>1700084C06Rik</i>	chr9:21091754-21128393	12.4456	13.2706	0.0926	0.538928
<i>Traj23</i>	chr14:54196080-54196140	160.0790	171.8319	0.1022	0.623173
<i>Nelfcd</i>	chr2:174415803-174427502	17.1631	16.9967	-0.0141	0.689588
<i>Ttc14</i>	chr3:33799954-33814860	39.7300	41.1296	0.0499	0.469295
<i>Igkc</i>	chr6:70726434-70726757	11.4165	14.1890	0.3137	0.686782
<i>Rnpepl1</i>	chr1:92910782-92924384	12.7568	12.5011	-0.0292	0.847035
<i>Ssr3</i>	chr3:65379654-65392623	33.9508	35.1578	0.0504	0.420926
<i>Pi4kb</i>	chr3:94974730-95006843	30.1163	29.9160	-0.0096	0.854680
<i>Utp14b</i>	chr1:78658037-78667588	4.3079	4.5551	0.0805	0.559178
<i>Ube2v1</i>	chr2:167607637-167632095	1.8211	1.9560	0.1031	0.464679
<i>Zfp605</i>	chr5:110110091-110129794	4.3965	4.6256	0.0733	0.520007
<i>Atg7</i>	chr6:114643096-114860614	7.2047	7.4909	0.0562	0.375982
<i>Rbm6</i>	chr9:107773558-107873237	17.6176	18.1551	0.0434	0.185178
<i>1110008P14Rik</i>	chr2:32377096-32381938	10.3446	10.1796	-0.0232	0.779548
<i>Grin3a</i>	chr4:49661610-49845744	0.4100	0.4452	0.1190	0.624791
<i>Hsp90b1</i>	chr10:86690208-86705509	80.5018	83.4221	0.0514	0.439422
<i>Col23a1</i>	chr11:51289919-51583918	1.8396	1.9527	0.0861	0.530603
<i>Coil</i>	chr11:88970251-88991613	5.8746	5.7505	-0.0308	0.688477
<i>Taco1</i>	chr11:106066060-106073612	7.7719	7.5184	-0.0478	0.739790
<i>Sri</i>	chr5:8046077-8069379	52.6051	51.5182	-0.0301	0.818061
<i>Lsm8</i>	chr6:18848578-18855751	12.9880	12.6807	-0.0346	0.787907
<i>S1pr2</i>	chr9:20965951-20976793	3.4341	3.6900	0.1037	0.671179
<i>Pnkd</i>	chr1:74284929-74353694	1.2560	1.3435	0.0972	0.437524
<i>Gm9823</i>	chr2:29738334-29738665	38.7687	37.8046	-0.0363	0.723276
<i>Snx30</i>	chr4:59805839-59904737	5.0468	5.2699	0.0624	0.471574
<i>Ube2n</i>	chr10:95515161-95545658	3.9672	3.8670	-0.0369	0.652704
<i>Med13</i>	chr11:86267032-86357602	26.2639	27.1964	0.0503	0.473359
<i>Cfap97</i>	chr8:46151770-46195590	11.6584	12.0818	0.0515	0.390781
<i>Fbxw11</i>	chr11:32642723-32746816	16.3318	16.9282	0.0517	0.381327
<i>Vamp2</i>	chr11:69088489-69092384	6.0706	6.4763	0.0933	0.654369
<i>Hgs</i>	chr11:120467634-120483984	17.4494	17.2019	-0.0206	0.832673
<i>Zfp712</i>	chr13:67038593-67061170	6.5472	6.4263	-0.0269	0.719004
<i>Ptcd2</i>	chr13:99319648-99344678	22.8701	22.4337	-0.0278	0.781549
<i>Atp5j2</i>	chr5:145183697-145192062	23.2792	22.6591	-0.0390	0.775234
<i>Nt5c3</i>	chr6:56882399-56923932	12.5149	13.0292	0.0581	0.533111
<i>Chchd4</i>	chr6:91464275-91473423	6.9772	7.3780	0.0806	0.445096
<i>Hnrnp1</i>	chr7:28808540-28822266	69.5583	69.2840	-0.0057	0.905366
<i>Pde3b</i>	chr7:114415280-114539251	39.7937	41.7475	0.0691	0.652621
<i>Pdzd4</i>	chrX:73793358-73824969	1.3716	1.3129	-0.0631	0.726016
<i>Supt16</i>	chr14:52160418-52197239	47.8823	49.4015	0.0451	0.290086

<i>Il1rap</i>	chr16:26581703-26730117	2.2503	2.3474	0.0609	0.381515
<i>Dtymk</i>	chr1:93792575-93801934	18.8706	18.6290	-0.0186	0.787163
<i>Ube2d2a</i>	chr18:35771558-35807172	19.9808	19.7140	-0.0194	0.806464
<i>Hs2st1</i>	chr3:144431102-144570181	5.8147	6.0769	0.0636	0.499320
<i>Z610301B20Rik</i>	chr4:10874497-10899425	3.3945	3.2454	-0.0648	0.721038
<i>Gm17435</i>	chr8:72492933-72505499	2.8749	3.0843	0.1014	0.588884
<i>Slc25a10</i>	chr11:120491839-120499187	2.5038	2.4298	-0.0433	0.733049
<i>Tubb2b</i>	chr13:34127007-34130354	2.5166	2.7560	0.1311	0.689720
<i>Rab10</i>	chr12:3247429-3309969	59.8339	58.8374	-0.0242	0.820967
<i>Rufy3</i>	chr5:88583573-88642671	1.4412	1.3825	-0.0600	0.694784
<i>Zfp319</i>	chr8:95326136-95331950	8.2980	8.1656	-0.0232	0.830578
<i>Lamtor2</i>	chr3:88549818-88553074	15.1516	14.5945	-0.0540	0.792101
<i>Gm12490</i>	chr3:101260916-101261476	8.9601	8.5964	-0.0598	0.726221
<i>Adck1</i>	chr12:88360553-88461719	9.6822	9.5187	-0.0246	0.650625
<i>Cdk16</i>	chrX:20687953-20699880	11.6759	12.1552	0.0580	0.455048
<i>Prdx2</i>	chr8:84969586-84974834	18.1872	17.8486	-0.0271	0.790596
<i>D330023K18Rik</i>	chr2:31146456-31152291	3.4330	3.2498	-0.0791	0.643312
<i>Fam96a</i>	chr9:66126610-66138955	30.5944	29.5533	-0.0499	0.795246
<i>Manf</i>	chr9:106838311-106891979	20.2096	19.9546	-0.0183	0.800643
<i>Gla</i>	chrX:134588148-134601125	3.3810	3.2761	-0.0455	0.737135
<i>Dync1i2</i>	chr2:71211705-71263303	14.5208	15.0801	0.0545	0.482164
<i>Prox2</i>	chr12:85085813-85106431	1.4217	1.5418	0.1169	0.598508
<i>Zfyve20</i>	chr6:92186711-92214925	9.4682	9.3684	-0.0153	0.791983
<i>Zfp963</i>	chr8:69741638-69749970	6.5931	6.4133	-0.0399	0.726950
<i>Tlr2</i>	chr3:83836272-83841767	1.9290	1.8494	-0.0609	0.656091
<i>Zfp182</i>	chrX:21028938-21062316	10.4702	10.2912	-0.0249	0.832977
<i>Prps2</i>	chrX:167346321-167382749	35.4404	34.8236	-0.0253	0.818913
<i>Pigb</i>	chr9:73015695-73039699	5.1639	5.4765	0.0848	0.508405
<i>Rtca</i>	chr3:116488962-116508208	11.8091	12.3131	0.0603	0.282995
<i>Zmym1</i>	chr4:127047093-127061152	12.4906	12.3174	-0.0201	0.793504
<i>Ctdnep1</i>	chr11:69981155-69990601	10.9837	11.5639	0.0743	0.566263
<i>Arsf</i>	chr11:109473373-109573330	1.2620	1.3798	0.1287	0.652679
<i>Zbtb42</i>	chr12:112678827-112682747	2.5192	2.6860	0.0925	0.579379
<i>Ccz1</i>	chr5:143987915-144014853	28.6773	29.8371	0.0572	0.514594
<i>Zkscan14</i>	chr5:145194945-145201868	13.2257	13.8186	0.0633	0.441927
<i>Art2b</i>	chr7:101578859-101581161	41.0057	40.0062	-0.0356	0.793485
<i>Pfkfb4</i>	chr9:108991901-109032223	3.8074	3.7263	-0.0311	0.722331
<i>Rictor</i>	chr15:6708380-6800398	44.3188	45.7392	0.0455	0.368950
<i>Eaf1</i>	chr14:31495078-31509858	14.7125	14.5244	-0.0186	0.833373
<i>Zfp955a</i>	chr17:33241518-33255040	9.5563	9.2881	-0.0411	0.738300
<i>Mfsd6</i>	chr1:52656285-52727462	11.8136	12.3212	0.0607	0.587199
<i>Slc19a2</i>	chr1:164249045-164265385	2.2957	2.2204	-0.0481	0.746017
<i>Efcab2</i>	chr1:178405880-178483247	2.1100	2.2682	0.1043	0.579153
<i>Slc24a5</i>	chr2:125068123-125088677	6.4866	6.8054	0.0692	0.389112
<i>Comm7</i>	chr2:153616932-153632781	9.6659	9.5587	-0.0161	0.774789
<i>Srsf6</i>	chr2:162931527-162937121	104.3320	103.6181	-0.0099	0.865341
<i>Hltf</i>	chr3:20057810-20118490	25.0907	24.7588	-0.0192	0.831499
<i>Ccdc17</i>	chr4:116596653-116600266	3.1004	3.3027	0.0912	0.607030
<i>Fbxo6</i>	chr4:148145715-148152140	8.9900	8.7267	-0.0429	0.778734
<i>Lsp1</i>	chr7:142460808-142494867	99.5156	97.8177	-0.0248	0.830162
<i>Slc3a2</i>	chr19:8706881-8723369	25.9346	25.7243	-0.0117	0.850268
<i>Sephs1</i>	chr2:4881563-4910557	9.5292	9.4131	-0.0177	0.775286
<i>Dpy30</i>	chr17:74299473-74323944	20.5150	19.8545	-0.0472	0.769030
<i>Mipol1</i>	chr12:57230426-57497199	1.4637	1.4190	-0.0447	0.733448
<i>Inpp5a</i>	chr7:139389108-139579652	4.1126	3.9810	-0.0469	0.795686
<i>Tmem192</i>	chr8:64947184-64969034	15.9722	16.9128	0.0826	0.612369
<i>Mrpl21</i>	chr19:3282900-3292837	13.1273	12.7474	-0.0424	0.799154
<i>Xrcc4</i>	chr13:89774026-90089608	7.3024	7.6130	0.0601	0.497614
<i>4632415L05Rik</i>	chr3:19894885-19895962	8.9502	9.4761	0.0824	0.511190
<i>Plekhm3</i>	chr1:64785982-64956824	2.4123	2.5325	0.0702	0.573128
<i>B3glct</i>	chr5:149678229-149762599	2.0830	2.0198	-0.0444	0.712151
<i>Slc25a3</i>	chr10:91116573-91124059	48.2688	49.8162	0.0455	0.373620
<i>Gm26563</i>	chr11:80017353-80029868	6.3573	6.6427	0.0634	0.387048
<i>Stat3</i>	chr11:100885097-100939540	38.7253	38.4488	-0.0103	0.885833
<i>Skp2</i>	chr15:9111984-9140451	1.3419	1.3047	-0.0406	0.707061
<i>Ppp1r2</i>	chr16:31251536-31275277	3.7486	3.9561	0.0777	0.561454
<i>Cep192</i>	chr18:67800106-67885168	23.0117	23.8086	0.0491	0.455821
<i>Cd72</i>	chr4:43446461-43454628	11.0295	10.8906	-0.0183	0.825405
<i>Stx17</i>	chr4:48124914-48186507	8.1640	8.4731	0.0536	0.352917
<i>2810006K23Rik</i>	chr5:124328088-124341844	2.1802	2.0968	-0.0563	0.660437
<i>Il4i1</i>	chr7:44816369-44840809	1.8829	2.0133	0.0966	0.563499

<i>Rab4b</i>	chr7:27168423-27178896	20.7925	20.5009	-0.0204	0.826995
<i>Pcdcd6</i>	chr13:74303120-74317326	42.2385	41.5456	-0.0239	0.806946
<i>Immt</i>	chr6:71831330-71875257	34.3111	34.1059	-0.0087	0.867345
<i>Nup107</i>	chr10:117750623-117792705	22.0304	21.8515	-0.0118	0.771446
<i>Rps20</i>	chr4:3831333-3835665	68.0330	71.5745	0.0732	0.661179
<i>Man2b1</i>	chr8:85083268-85098739	39.8482	39.5226	-0.0118	0.875133
<i>1700027A07Rik</i>	chr15:78911965-78913660	10.4101	9.9244	-0.0689	0.700290
<i>Tom1l2</i>	chr11:60226713-60352905	4.0568	4.2619	0.0711	0.622504
<i>Ints3</i>	chr3:90391379-90433636	14.6679	14.5739	-0.0093	0.773900
<i>Dnajc8</i>	chr4:132535549-132553742	54.2467	53.0655	-0.0318	0.819279
<i>Mmp24</i>	chr2:155775341-155818366	3.3183	3.2428	-0.0332	0.661199
<i>4930539J05Rik</i>	chr3:135436208-135438665	3.4160	3.6843	0.1091	0.644551
<i>Gm16093</i>	chr3:19227779-19240987	16.1807	15.4103	-0.0704	0.715860
<i>Polb</i>	chr8:22628118-22653437	21.9191	21.4171	-0.0334	0.771894
<i>Atp6v1d</i>	chr12:78842988-78861638	93.2228	97.7361	0.0682	0.654775
<i>Gm22270</i>	chr5:107905176-107905308	36.5140	34.5876	-0.0782	0.713857
<i>Daglb</i>	chr5:143464492-143504442	2.1936	2.3201	0.0809	0.606522
<i>Tmem135</i>	chr7:89139722-89404222	7.1757	7.4371	0.0516	0.234375
<i>Hyls1</i>	chr9:35560819-35570103	19.6223	19.3183	-0.0225	0.836673
<i>Prps1</i>	chrX:140456612-140476140	17.3068	18.1235	0.0665	0.574418
<i>Ndufaf7</i>	chr17:78937134-78948052	6.2923	6.6242	0.0742	0.596732
<i>Cntf</i>	chr19:12763659-12765632	3.9207	3.6994	-0.0838	0.763816
<i>Zc3h15</i>	chr2:83644434-83664622	31.0025	32.2934	0.0589	0.573087
<i>Fbrs1l</i>	chr5:110361753-110448503	6.2463	6.0846	-0.0378	0.842240
<i>Parp6</i>	chr9:59617283-59650290	18.8167	18.6620	-0.0119	0.827446
<i>Msl2</i>	chr9:101074726-101104784	46.5597	46.3752	-0.0057	0.910210
<i>Chchd7</i>	chr4:3938887-3951046	4.4912	4.6955	0.0642	0.408659
<i>Rnf20</i>	chr4:49632005-49656887	29.9575	29.7874	-0.0082	0.862935
<i>Gm20671</i>	chr5:32737229-32827109	26.8837	26.6074	-0.0149	0.828979
<i>Chtf18</i>	chr17:25718925-25727419	1.1477	1.0960	-0.0666	0.714295
<i>Zfp120</i>	chr2:150114405-150136708	13.8775	14.4595	0.0593	0.584594
<i>Rab3d</i>	chr9:21907490-21918192	4.1967	4.1021	-0.0329	0.778871
<i>Thoc2</i>	chrX:41794990-41920674	24.7450	25.4914	0.0429	0.218463
<i>Mapkapk2</i>	chr1:131053703-131097543	37.8482	39.4118	0.0584	0.600999
<i>Nr6a1</i>	chr2:38723369-38927688	0.6753	0.7305	0.1134	0.668289
<i>Ap4s1</i>	chr12:51690965-51738939	19.6312	20.5814	0.0682	0.536849
<i>Pex11b</i>	chr3:96635375-96653101	4.7780	4.7084	-0.0212	0.775098
<i>Adat3</i>	chr10:80602879-80615783	11.0223	10.8816	-0.0185	0.855948
<i>Mettl25</i>	chr10:105763188-105841380	5.2845	5.5511	0.0710	0.502412
<i>Mien1</i>	chr11:98437707-98438991	35.6847	37.6520	0.0774	0.648629
<i>Angel1</i>	chr12:86700501-86726460	2.2706	2.4413	0.1046	0.675319
<i>Gpld1</i>	chr13:24943151-24990753	4.7063	4.5878	-0.0368	0.796658
<i>Sv2c</i>	chr13:95959442-96132577	1.0333	1.1175	0.1131	0.645751
<i>Dhx37</i>	chr5:125414405-125434048	9.3242	9.1952	-0.0201	0.849378
<i>Gmfg</i>	chr7:28437446-28448233	32.5872	34.1553	0.0678	0.636343
<i>Elmo3</i>	chr8:105305600-105310623	6.9163	7.2399	0.0660	0.495572
<i>Atp6v0d1</i>	chr8:105524464-105566047	28.6831	28.3390	-0.0174	0.800620
<i>Foxred1</i>	chr9:35204205-35211055	13.0372	12.9073	-0.0144	0.813164
<i>Mettl17</i>	chr14:51884841-51893039	18.1363	17.9478	-0.0151	0.839822
<i>Filip1l</i>	chr16:57353092-57573126	14.5630	15.2876	0.0701	0.643840
<i>Lrp5</i>	chr19:3584827-3686564	0.8510	0.9102	0.0969	0.563965
<i>Nab1</i>	chr1:52457293-52500679	31.6458	32.8948	0.0558	0.571476
<i>Hdac4</i>	chr1:91932756-92148393	14.9723	14.7284	-0.0237	0.859212
<i>Glul</i>	chr1:153899943-153909723	27.1257	26.7039	-0.0226	0.829083
<i>Adam15</i>	chr3:89339639-89349996	2.0024	1.9538	-0.0355	0.759777
<i>Wis</i>	chr3:159839736-159935833	7.0418	7.4497	0.0812	0.695780
<i>Gm12940</i>	chr4:127033730-127049398	34.4530	35.6446	0.0491	0.399545
<i>Tmem222</i>	chr4:133266044-133277792	18.8774	19.5858	0.0531	0.288143
<i>Rab22a</i>	chr2:173659759-173707343	10.6118	10.5298	-0.0112	0.839817
<i>Nit2</i>	chr16:57156670-57167332	18.8138	18.3830	-0.0334	0.767787
<i>Scp2</i>	chr4:108043838-108144998	18.3456	17.8231	-0.0417	0.821040
<i>Vps36</i>	chr8:22192808-22220843	15.2409	15.1062	-0.0128	0.780323
<i>G6pdx</i>	chrX:74409482-74429194	13.0008	13.4996	0.0543	0.436232
<i>Tmem62</i>	chr2:120977016-121007852	9.4488	9.2577	-0.0295	0.805734
<i>E130215H24Rik</i>	chr2:150667493-150668935	10.1800	9.8750	-0.0439	0.730327
<i>Sfxn2</i>	chr19:46573364-46596898	7.1336	7.4713	0.0667	0.574897
<i>Mast3</i>	chr8:70778116-70792433	17.8301	18.7342	0.0714	0.651416
<i>Blmh</i>	chr11:76924808-76987379	9.6438	9.4792	-0.0248	0.826825
<i>Ddx52</i>	chr11:83942061-83963088	32.3353	33.4575	0.0492	0.464855
<i>Gm20529</i>	chr9:108051674-108058592	51.4205	50.2513	-0.0332	0.156408
<i>Ehbp1l1</i>	chr19:5707375-5726317	13.0264	12.8283	-0.0221	0.857548

<i>Marveld1</i>	chr19:42147399-42151695	9.6135	9.4671	-0.0221	0.821231
<i>Mrp30</i>	chr1:37890476-37898535	31.8537	33.4029	0.0685	0.650965
<i>2700062C07Rik</i>	chr18:24470860-24477765	9.7262	10.3988	0.0965	0.692425
<i>Cds2</i>	chr2:132263147-132312050	38.7037	38.4669	-0.0089	0.903276
<i>Galnt4</i>	chr10:99108134-99113245	11.3233	11.1508	-0.0222	0.816741
<i>Spred2</i>	chr11:19924374-20024026	2.9028	3.1003	0.0949	0.636876
<i>Prr33</i>	chr7:142491073-142506771	8.0585	7.8491	-0.0380	0.830522
<i>Fut11</i>	chr14:20694967-20700197	10.0991	9.9712	-0.0184	0.766147
<i>Rela</i>	chr19:5637482-5648130	32.1822	33.5066	0.0582	0.566212
<i>Klh5</i>	chr5:65107567-65168188	8.4939	8.8242	0.0550	0.407243
<i>Zfyve21</i>	chr12:111814169-111828388	4.4324	4.2732	-0.0528	0.674712
<i>Tmem191c</i>	chr16:17276299-17283229	10.2455	10.1023	-0.0203	0.824311
<i>L1cam</i>	chrX:73853777-73896105	8.5336	8.9391	0.0670	0.622479
<i>Slc19a1</i>	chr10:77032240-77061002	3.4676	3.4028	-0.0272	0.788460
<i>Adam19</i>	chr11:46055991-46147343	8.9081	9.7797	0.1347	0.666619
<i>Mrp19</i>	chr6:81957850-81965958	7.6596	7.5837	-0.0144	0.777577
<i>Gm4944</i>	chr17:22197264-22225614	8.4041	8.7373	0.0561	0.525968
<i>Gm10814</i>	chr19:6012619-6018426	9.5698	9.4121	-0.0240	0.755947
<i>Nin</i>	chr12:70011434-70111925	35.0389	34.8154	-0.0092	0.892470
<i>Gga2</i>	chr7:121986721-122021222	0.9270	0.8988	-0.0446	0.732865
<i>Rcn2</i>	chr9:56041844-56061882	10.0210	9.9088	-0.0162	0.791551
<i>Sipa1l1</i>	chr12:82170015-82451782	21.7188	21.4943	-0.0150	0.883884
<i>Setd8</i>	chr5:124439929-124462308	9.0005	8.8303	-0.0275	0.828141
<i>Rnf24</i>	chr2:131298063-131352892	4.1146	4.2897	0.0601	0.377108
<i>Tma7</i>	chr9:109077987-109082381	20.1969	21.5793	0.0955	0.702600
<i>Entpd7</i>	chr19:43689671-43733697	0.8463	0.8193	-0.0469	0.782942
<i>Inpp5e</i>	chr2:26396248-26409203	19.1177	19.0115	-0.0080	0.862803
<i>Pex2</i>	chr3:5560187-5576239	15.0029	15.6004	0.0563	0.502862
<i>Ulk4</i>	chr9:120960267-121277197	4.0473	3.9751	-0.0260	0.804936
<i>2810004N23Rik</i>	chr8:124839354-124863029	24.2958	23.8999	-0.0237	0.778314
<i>Rabgap1</i>	chr2:37443278-37566454	16.3705	16.3004	-0.0062	0.877843
<i>Npm1</i>	chr11:33152286-33163206	91.9521	96.3616	0.0676	0.669374
<i>N4bp3</i>	chr11:51643062-51650842	2.6012	2.5171	-0.0474	0.762284
<i>Npepps</i>	chr11:97205841-97280638	6.6081	6.8834	0.0589	0.497454
<i>C530008M17Rik</i>	chr5:76657682-76873554	0.5950	0.5620	-0.0821	0.801900
<i>Hmces</i>	chr6:87913934-87936629	8.8794	9.2704	0.0622	0.509800
<i>Zfp109</i>	chr7:24228047-24236632	3.1343	3.0261	-0.0507	0.746515
<i>Tm2d3</i>	chr7:65691168-65701913	19.0344	18.7169	-0.0243	0.796962
<i>Rps17</i>	chr7:81342731-81345254	7.3371	7.0936	-0.0487	0.781623
<i>Gm22579</i>	chr9:15316675-15316808	35.7513	38.2568	0.0977	0.619629
<i>Nfrkb</i>	chr9:31386191-31421333	17.0036	16.9191	-0.0072	0.908266
<i>Azi2</i>	chr9:118040498-118069794	25.0414	24.9070	-0.0078	0.866185
<i>Tbc1d25</i>	chrX:8154471-8176181	5.1681	5.4560	0.0782	0.540719
<i>Eny2</i>	chr15:44428110-44437685	10.8603	11.3286	0.0609	0.566004
<i>Pxk</i>	chr14:8098212-8165111	19.8208	20.5911	0.0550	0.485361
<i>Gng2</i>	chr14:19872558-19977627	11.4951	12.1340	0.0780	0.718222
<i>Dhhd1</i>	chr14:45593173-45658143	8.5237	8.4486	-0.0128	0.858769
<i>Traj28</i>	chr14:54191660-54191725	104.2555	111.3553	0.0950	0.548176
<i>Dgkh</i>	chr14:78569608-78725089	1.7671	1.9025	0.1065	0.663666
<i>Paqr4</i>	chr17:23736185-23740330	4.9846	5.3014	0.0889	0.683715
<i>Jam2</i>	chr16:84774122-84825928	0.7770	0.8407	0.1136	0.601603
<i>Il1rl2</i>	chr1:40324626-40365471	8.2631	8.1169	-0.0258	0.706099
<i>Gm26879</i>	chr1:192092371-192099630	6.8642	6.6191	-0.0525	0.711516
<i>Rell2</i>	chr18:37955078-37959179	4.1145	4.3256	0.0722	0.451475
<i>Ttf1</i>	chr2:29060261-29087656	14.9585	14.8389	-0.0116	0.842415
<i>Mvb12b</i>	chr2:33729952-33887946	3.8007	3.9804	0.0667	0.486673
<i>Gorasp2</i>	chr2:70661575-70712636	19.4024	19.2090	-0.0144	0.852379
<i>Ube2e3</i>	chr2:78868123-78921293	4.1006	4.0200	-0.0286	0.749185
<i>Mapre1</i>	chr2:153741273-153773310	20.4227	21.1809	0.0526	0.535128
<i>Snx27</i>	chr3:94497543-94582716	11.9043	12.3320	0.0509	0.468226
<i>Snord45c</i>	chr3:153912124-153912204	52.1338	56.0923	0.1056	0.512937
<i>Prpf38a</i>	chr4:108563171-108579336	12.6306	13.1002	0.0527	0.506371
<i>Ptgr2</i>	chr12:84285231-84315832	6.3977	6.3053	-0.0210	0.802679
<i>Tchp</i>	chr5:114707759-114722327	6.6991	6.5396	-0.0348	0.826151
<i>Zfp688</i>	chr7:127418966-127422068	9.0090	9.4266	0.0654	0.579290
<i>Dse</i>	chr10:34151393-34207551	4.8069	4.6865	-0.0366	0.803766
<i>4930469K13Rik</i>	chr11:33973960-34098554	14.2114	15.1470	0.0920	0.629302
<i>Rabep1</i>	chr11:70844777-70943105	17.4974	18.1440	0.0524	0.547820
<i>Aoc2</i>	chr11:101325062-101329702	5.3733	5.1957	-0.0485	0.839786
<i>Mrp32</i>	chr13:14610300-14613037	36.6103	35.6707	-0.0375	0.796968
<i>Srek1ip1</i>	chr13:104792483-104839274	5.6860	5.9973	0.0769	0.662094

<i>Cdc7</i>	chr5:106964321-106984432	11.4701	11.3013	-0.0214	0.819254
<i>Slc25a42</i>	chr8:70184339-70212305	1.1858	1.2780	0.1080	0.686859
<i>Mbtps1</i>	chr8:119508155-119558761	46.4271	46.2541	-0.0054	0.925756
<i>Diap2</i>	chrX:129749741-130465834	4.1010	4.0299	-0.0252	0.840670
<i>Zbtb22</i>	chr17:33915903-33919324	21.6461	21.5112	-0.0090	0.856179
<i>Fam65c</i>	chr2:167980163-168010618	0.9701	0.9311	-0.0592	0.545738
<i>Dnal4</i>	chr15:79761452-79777849	3.0722	2.9403	-0.0633	0.802895
<i>Depdc5</i>	chr5:32863700-32994231	5.5620	5.7696	0.0529	0.465901
<i>Zfand6</i>	chr7:84615053-84679361	63.1608	65.6581	0.0559	0.564641
<i>Wdr59</i>	chr8:111448783-111522107	4.3078	4.5182	0.0688	0.561244
<i>Xpo4</i>	chr14:57581001-57665430	10.9519	11.3492	0.0514	0.504868
<i>Vti1b</i>	chr12:79156016-79172667	37.1757	36.6001	-0.0225	0.820259
<i>Lrrc23</i>	chr6:124769862-124779727	3.0898	2.9714	-0.0564	0.716300
<i>Trav14d-3-dv8</i>	chr14:53078579-53079045	16.5898	15.7352	-0.0763	0.747589
<i>Gm24407</i>	chr5:115490253-115490394	306.7049	279.1054	-0.1360	0.728770
<i>Ttll4</i>	chr1:74661744-74701832	11.9391	12.3794	0.0522	0.489157
<i>Hax1</i>	chr3:89995456-89998686	6.8374	6.6000	-0.0510	0.736892
<i>Gm17134</i>	chr10:79863936-79864434	31.9271	31.3376	-0.0269	0.762622
<i>Haus4</i>	chr14:54541784-54554361	16.6303	16.3329	-0.0260	0.775148
<i>Ints10</i>	chr8:68793928-68829410	5.9743	5.9222	-0.0126	0.780501
<i>Hnrnp11</i>	chr17:80029486-80062334	18.4175	19.1737	0.0580	0.557326
<i>Ptpn1</i>	chr2:167932056-167979385	33.0330	32.7818	-0.0110	0.890936
<i>Bola1</i>	chr3:96196587-96219709	8.1247	7.8101	-0.0570	0.790171
<i>6430590A07Rik</i>	chr3:40885896-40894123	6.6963	6.4159	-0.0617	0.807874
<i>Pole</i>	chr5:110286305-110337474	1.8103	1.7592	-0.0413	0.821665
<i>Gm20425</i>	chr9:103190207-103230307	7.5045	7.3309	-0.0338	0.792431
<i>Rrm2b</i>	chr15:37923951-37961318	8.8372	8.7382	-0.0163	0.829689
<i>Cdk17</i>	chr10:93160875-93241342	63.5868	65.7236	0.0477	0.516219
<i>Ift46</i>	chr9:44767907-44792714	5.0534	4.9986	-0.0157	0.816905
<i>Phax</i>	chr18:56562442-56587712	21.9555	22.8504	0.0576	0.603946
<i>Tpgs2</i>	chr18:25127222-25169007	3.5353	3.4525	-0.0342	0.794132
<i>Med16</i>	chr10:79894707-79908923	5.1510	5.4097	0.0707	0.596886
<i>Itsn2</i>	chr12:4593007-4713950	75.4551	75.2373	-0.0042	0.920260
<i>Scrib</i>	chr15:76047157-76069784	15.8108	15.6246	-0.0171	0.883280
<i>Cog5</i>	chr12:31654868-31937630	33.5146	33.4042	-0.0048	0.899633
<i>Mif</i>	chr10:75859352-75860250	24.1947	23.5206	-0.0408	0.772856
<i>Klf16</i>	chr10:80567123-80577321	9.4143	9.1712	-0.0377	0.841205
<i>1110008L16Rik</i>	chr12:55302636-55382491	5.1125	4.9418	-0.0490	0.803230
<i>Cpsf2</i>	chr12:101975973-102005993	19.1275	19.7767	0.0482	0.459239
<i>Pcsk1</i>	chr13:75089825-75132498	1.9597	2.1733	0.1492	0.721321
<i>Fam60a</i>	chr6:148921034-148946467	1.3984	1.4898	0.0913	0.496649
<i>Slc37a4</i>	chr9:44398175-44402963	12.4824	12.2359	-0.0288	0.845106
<i>Zfp451</i>	chr1:33760471-33814595	5.7559	5.9684	0.0523	0.544802
<i>Xrn2</i>	chr2:147012995-147078000	104.8543	108.4042	0.0480	0.544793
<i>Ubr7</i>	chr12:102757974-102777701	24.2229	23.8927	-0.0198	0.841434
<i>Rttm</i>	chr18:88971789-89131013	6.1166	6.3374	0.0512	0.393287
<i>Nudt1</i>	chr5:140331859-140338137	6.5444	6.3065	-0.0534	0.753712
<i>Zfml</i>	chr6:83914352-83986869	57.7752	57.2398	-0.0134	0.875938
<i>Trbj2-2</i>	chr6:41542956-41543007	181.0788	191.5488	0.0811	0.603879
<i>Rp2h</i>	chrX:20364480-20405653	7.1647	7.0454	-0.0242	0.804942
<i>Foxk1</i>	chr5:142401496-142462014	18.8665	19.7467	0.0658	0.674274
<i>Nfyb</i>	chr10:82748700-82764144	13.1321	13.6215	0.0528	0.517867
<i>Gm26572</i>	chr8:121091627-121094858	2.4716	2.3899	-0.0485	0.777167
<i>1700037C18Rik</i>	chr16:3895178-3908689	12.1589	12.6189	0.0536	0.422292
<i>Ppip5k2</i>	chr1:97706047-97770411	12.8101	12.6961	-0.0129	0.879061
<i>Slmo2</i>	chr2:174465066-174473081	19.5643	20.3993	0.0603	0.608258
<i>Def8</i>	chr8:123442985-123463270	3.8647	3.8027	-0.0233	0.794011
<i>Tomm6</i>	chr17:47686645-47688386	12.9614	13.6528	0.0750	0.560287
<i>BC024978</i>	chr7:27195780-27205386	2.0119	2.1503	0.0960	0.494962
<i>Rps15a</i>	chr7:118104377-118116186	58.1352	62.4337	0.1029	0.641683
<i>Gm21811</i>	chr8:20136454-20150494	1.1926	1.2868	0.1097	0.599367
<i>Plekhh2</i>	chr4:10988661-11007927	15.2997	15.8576	0.0517	0.492853
<i>Ppil4</i>	chr10:7792890-7823135	24.1484	25.0211	0.0512	0.556378
<i>Gtf2i</i>	chr5:134237833-134314760	43.9787	43.8469	-0.0043	0.917155
<i>Ppp2cb</i>	chr8:33599620-33619794	30.8305	30.5528	-0.0131	0.852197
<i>Yipf2</i>	chr9:21588708-21592831	16.8546	16.6298	-0.0194	0.854372
<i>Klhl18</i>	chr9:110425927-110476694	5.2701	5.4892	0.0588	0.431728
<i>Mgrn1</i>	chr16:4886099-4938296	15.1228	15.0155	-0.0103	0.809516
<i>C2cd2</i>	chr16:97855209-97922633	2.7850	2.9348	0.0756	0.663501
<i>Pcgf5</i>	chr19:36379066-36456192	19.8217	20.5632	0.0530	0.414393
<i>Ptprc</i>	chr1:138062860-138175706	549.9917	548.1149	-0.0049	0.928709

<i>Pfdn1</i>	chr18:36403678-36454495	26.1518	25.3926	-0.0425	0.813310
<i>Zbtb6</i>	chr2:37425499-37443171	15.5486	16.1356	0.0535	0.572666
<i>Ankrd13c</i>	chr3:157947413-158006833	21.4498	21.2688	-0.0122	0.853488
<i>2010002M12Rik</i>	chr19:34617048-34640743	1.9192	1.8512	-0.0521	0.764287
<i>Sesn1</i>	chr10:41810573-41908424	56.7513	55.9898	-0.0195	0.865370
<i>Cdc42se2</i>	chr11:54717455-54787675	83.2364	82.7654	-0.0082	0.892450
<i>Tmem39b</i>	chr4:129676354-129696838	2.7581	2.9521	0.0981	0.616296
<i>Usp25</i>	chr16:77014068-77116779	70.3858	72.2963	0.0386	0.177152
<i>Ctps2</i>	chrX:162901237-163032508	28.4442	29.4037	0.0479	0.498658
<i>Smad3</i>	chr9:63646766-63757994	17.5736	17.4407	-0.0110	0.882428
<i>Bad</i>	chr19:6941860-6951898	7.1168	6.9343	-0.0375	0.801999
<i>Vps16</i>	chr2:130424338-130444269	43.5857	43.4847	-0.0033	0.939573
<i>Gm14420</i>	chr2:177464732-177478129	1.9953	1.8726	-0.0916	0.772686
<i>Hdac3</i>	chr18:37935843-37954988	19.4798	19.3285	-0.0112	0.854896
<i>D8Ertd82e</i>	chr8:36094827-36147787	3.9086	3.8249	-0.0312	0.858386
<i>Ntpr</i>	chr8:125729962-125748235	5.6158	5.4816	-0.0349	0.795690
<i>Psmc3</i>	chr11:98682553-98695979	18.0400	18.6216	0.0458	0.310005
<i>Sar1b</i>	chr11:51763686-51791925	25.6565	26.6967	0.0573	0.559772
<i>Ctse</i>	chr1:131638305-131675503	10.5445	11.1463	0.0801	0.708732
<i>1700021J08Rik</i>	chr4:117002165-117003012	24.1259	23.6069	-0.0314	0.783710
<i>Sidt1</i>	chr16:44240179-44333196	29.2488	30.4731	0.0592	0.662974
<i>Msl3l2</i>	chr10:56106916-56116880	3.3340	3.5521	0.0914	0.634414
<i>Uba7</i>	chr9:107975504-107984060	40.8824	42.7515	0.0645	0.681850
<i>2310058D17Rik</i>	chr11:58965747-58978050	3.8968	3.8040	-0.0347	0.788762
<i>Kctd7</i>	chr5:130144860-130155806	1.4572	1.3925	-0.0655	0.779327
<i>Clec2i</i>	chr6:128887587-128898167	37.5930	37.2214	-0.0143	0.863497
<i>Orai3</i>	chr7:127769814-127775150	10.0295	9.8716	-0.0229	0.785278
<i>F8a</i>	chrX:73228305-73230795	7.9249	7.8094	-0.0212	0.763422
<i>Dos</i>	chr10:80130450-80140835	3.1451	3.3123	0.0748	0.616799
<i>Fkbp15</i>	chr4:62300341-62360548	20.9299	20.8605	-0.0048	0.926815
<i>Hdac8</i>	chrX:102284638-102505359	3.9850	4.1769	0.0679	0.575181
<i>Sts1a4</i>	chr1:95587683-95667594	36.2277	35.7238	-0.0202	0.860937
<i>Tmed8</i>	chr12:87166241-87200229	10.0288	10.3713	0.0484	0.440830
<i>Pex1</i>	chr5:3596065-3637232	3.8136	3.7751	-0.0146	0.808580
<i>Rpl36a</i>	chrX:134585653-134588062	5.7160	6.0183	0.0743	0.481593
<i>Ddx11</i>	chr17:66123519-66152167	12.6904	12.5465	-0.0165	0.852262
<i>Lmbrd2</i>	chr15:9140620-9198318	4.5418	4.7637	0.0688	0.598383
<i>5031434O11Rik</i>	chr3:51559756-51567117	3.2209	3.3820	0.0704	0.499653
<i>Saal1</i>	chr7:46686107-46710680	3.1455	3.0865	-0.0273	0.817717
<i>Gm26885</i>	chr17:29461895-29491925	26.3848	27.6575	0.0680	0.679664
<i>Spice1</i>	chr16:44347120-44388497	12.0097	11.8870	-0.0148	0.861717
<i>Rfwd2</i>	chr1:159232325-159347580	5.2096	5.4167	0.0562	0.498316
<i>Pomt1</i>	chr2:32236589-32255005	2.0791	2.1802	0.0685	0.460619
<i>Gm25835</i>	chr11:69668851-69668995	82.7367	89.1646	0.1079	0.775138
<i>Pafah1b1</i>	chr11:74673948-74724670	46.1119	47.5403	0.0440	0.475786
<i>Abhd17c</i>	chr7:84109355-84151893	7.7949	8.1642	0.0668	0.569663
<i>Zfp719</i>	chr7:43579609-43593235	10.5595	10.4724	-0.0119	0.832851
<i>Mb21d1</i>	chr9:78430525-78443237	2.1142	2.0598	-0.0376	0.644045
<i>Rwdd2b</i>	chr16:87433406-87440573	6.3789	6.2277	-0.0346	0.761592
<i>Gm24105</i>	chr5:149247953-149248244	14.9948	14.0280	-0.0961	0.775983
<i>Rpl19</i>	chr11:98026709-98030492	16.2007	15.7285	-0.0427	0.804493
<i>Kdm5a</i>	chr6:120364098-120444574	32.4970	32.4348	-0.0028	0.951534
<i>Klc3</i>	chr7:19394436-19404104	7.3623	7.2279	-0.0266	0.819676
<i>Sucla2</i>	chr14:73525318-73596142	15.3229	15.1412	-0.0172	0.836792
<i>4930519F09Rik</i>	chr10:28880920-28923507	8.9625	9.4384	0.0746	0.646744
<i>Mir546</i>	chr10:126998439-126998560	63.9298	61.5746	-0.0542	0.811584
<i>Mapk9</i>	chr11:49846750-49886421	15.8109	15.7610	-0.0046	0.909282
<i>Katnal1</i>	chr5:148874331-148995223	0.7579	0.7330	-0.0482	0.777864
<i>Zfp746</i>	chr6:48062394-48086593	19.4931	20.1281	0.0462	0.347858
<i>Gm16933</i>	chr8:25037051-25041757	20.2885	19.9413	-0.0249	0.845320
<i>Spes3</i>	chr8:54520432-54529998	40.2564	39.8554	-0.0144	0.866944
<i>Uxt</i>	chrX:20941721-20962017	4.6200	4.8731	0.0770	0.385515
<i>Oplah</i>	chr15:76296596-76328015	4.0567	3.9927	-0.0229	0.838716
<i>Crebrf</i>	chr17:26715649-26776635	35.6413	35.4283	-0.0086	0.898360
<i>NA</i>	chr17:32403005-32404698	60.7680	60.2096	-0.0133	0.885283
<i>Wdr11</i>	chr7:129591862-129635738	6.6601	6.9084	0.0528	0.565630
<i>Gtppb2</i>	chr17:46161031-46169370	31.2932	31.0687	-0.0104	0.904239
<i>Fgfr1op2</i>	chr6:146577202-146599198	30.5648	31.4713	0.0422	0.220938
<i>Kif1c</i>	chr11:70700547-70731964	8.1581	8.4645	0.0532	0.524727
<i>Akr1e1</i>	chr13:4590756-4609174	1.5066	1.4120	-0.0936	0.799155
<i>Dhx34</i>	chr7:16197146-16222037	8.4575	8.3675	-0.0154	0.876516

<i>Hnrnpul1</i>	chr7:25721497-25754730	79.8663	79.5207	-0.0063	0.928603
<i>Snora3</i>	chr7:109520119-109520251	36.9052	35.4990	-0.0560	0.703063
<i>Csad</i>	chr15:102176997-102189043	4.7737	4.6587	-0.0352	0.796589
<i>Camk2g</i>	chr14:20734874-20794088	15.6126	15.5452	-0.0062	0.872146
<i>Ccndbp1</i>	chr2:121008402-121016904	21.0252	20.8150	-0.0145	0.860708
<i>Cnbd2</i>	chr2:156312298-156375638	5.1184	4.9961	-0.0349	0.806629
<i>Ube2r2</i>	chr4:41135742-41193380	21.7443	21.4885	-0.0171	0.862214
<i>Bag5</i>	chr12:111709487-111713257	13.5150	14.0287	0.0538	0.495153
<i>Kif21b</i>	chr1:136131388-136177998	67.4528	70.0960	0.0555	0.646976
<i>Nudt6</i>	chr3:37404909-37420211	9.2361	9.6628	0.0652	0.456715
<i>Wdr61</i>	chr9:54714734-54734519	9.9516	10.3170	0.0520	0.521257
<i>Atxn7l3b</i>	chr10:112925437-112929026	37.7728	37.5415	-0.0089	0.884234
<i>Smc6</i>	chr12:11265885-11319785	51.6156	53.5873	0.0541	0.631945
<i>Rnf144a</i>	chr12:26306796-26415256	9.8462	9.7220	-0.0183	0.867020
<i>Twistnb</i>	chr12:33429623-33439380	18.3787	18.1528	-0.0178	0.822017
<i>C78339</i>	chr13:46669521-46678056	22.6352	23.4527	0.0512	0.556878
<i>Rpl15</i>	chr14:18267822-18271391	13.6874	14.2442	0.0575	0.589857
<i>BC002059</i>	chr17:16972909-16973770	22.7671	22.4318	-0.0214	0.776531
<i>Stk11ip</i>	chr1:75521528-75537335	8.6834	9.0750	0.0636	0.667032
<i>Shhg4</i>	chr18:35553409-35558316	7.0288	6.8234	-0.0428	0.703821
<i>Tmx2</i>	chr2:84671315-84679140	8.0008	8.3194	0.0563	0.219514
<i>2510009E07Rik</i>	chr16:21649044-21694665	2.9924	2.9330	-0.0290	0.813332
<i>Mmp11</i>	chr10:75923221-75932502	2.2253	2.5836	0.2154	0.653838
<i>Fau</i>	chr19:6057887-6059524	17.3562	16.9318	-0.0357	0.802867
<i>Casp6</i>	chr3:129901424-129914103	8.6052	8.4589	-0.0247	0.725748
<i>Hdac2</i>	chr10:36974543-37001889	23.9446	23.6419	-0.0184	0.859474
<i>Stx16</i>	chr2:174076307-174099771	26.1587	27.1792	0.0552	0.615006
<i>Lats1</i>	chr10:7681208-7716458	13.1442	13.6429	0.0537	0.600852
<i>Cdk12</i>	chr11:98203058-98278504	24.0247	23.9471	-0.0047	0.941545
<i>Acly</i>	chr11:100476352-100528000	73.6550	72.4153	-0.0245	0.877302
<i>Zfp865</i>	chr7:5020375-5033138	8.4877	8.3812	-0.0182	0.877773
<i>Uba5</i>	chr9:104046598-104063134	17.9034	17.7513	-0.0123	0.850857
<i>Oxsm</i>	chr14:16238655-16249808	5.8524	5.7816	-0.0175	0.820305
<i>Rnf31</i>	chr14:55591707-55603693	23.2957	24.1787	0.0537	0.603148
<i>Brwd1</i>	chr16:95992091-96082526	16.6488	16.5653	-0.0073	0.922873
<i>Armc9</i>	chr1:86154779-86278284	0.8804	0.8607	-0.0328	0.728527
<i>Smg1</i>	chr7:118131307-118243637	45.0006	46.7219	0.0542	0.631925
<i>Rpp30</i>	chr19:36083715-36104772	11.4685	11.1346	-0.0426	0.793148
<i>Stk19</i>	chr17:34823992-34836945	2.7233	2.6549	-0.0367	0.734464
<i>Gpatch1</i>	chr7:35276535-35318440	6.5491	6.8088	0.0561	0.266369
<i>Btbd2</i>	chr10:80642616-80657071	9.2610	9.0990	-0.0255	0.870579
<i>Kcnmb4</i>	chr10:116417860-116473878	4.7263	4.6059	-0.0372	0.825585
<i>Toporsos</i>	chr4:40269568-40270940	15.5235	16.3678	0.0764	0.702906
<i>Bnip1</i>	chr17:26781078-26792565	4.3538	4.5314	0.0577	0.423647
<i>Dynlt3</i>	chrX:9654266-9663003	8.1658	8.6650	0.0856	0.752661
<i>Ict1</i>	chr11:115403751-115412674	16.9797	16.7208	-0.0222	0.846442
<i>Usp22</i>	chr11:61151784-61175055	20.9277	20.8563	-0.0049	0.929487
<i>Pdcd11</i>	chr19:47090765-47131143	19.5549	19.4505	-0.0077	0.916026
<i>Spca2</i>	chr7:99837568-99858883	38.4944	39.6550	0.0429	0.360657
<i>Tubgcp4</i>	chr2:121170653-121198770	15.1593	15.1155	-0.0042	0.930937
<i>Swsap1</i>	chr9:21955752-21958270	4.4641	4.6883	0.0707	0.428369
<i>Fbxl5</i>	chr5:43744615-43821639	16.5201	16.4014	-0.0104	0.890721
<i>Zfp654</i>	chr16:64780350-64786321	14.6151	15.1795	0.0547	0.631042
<i>Uba6</i>	chr5:86110719-86172803	11.2634	11.6830	0.0528	0.593682
<i>Zfp11</i>	chr5:129654592-129670099	1.3685	1.4739	0.1071	0.655223
<i>Arpp19</i>	chr9:75037613-75060313	11.8199	11.5992	-0.0272	0.841347
<i>Uckl1os</i>	chr2:181578479-181585170	10.6627	10.5401	-0.0167	0.855615
<i>Notch1</i>	chr2:26457902-26516663	17.9801	19.2517	0.0986	0.695999
<i>Pds5b</i>	chr5:150673738-150810690	10.9989	11.3586	0.0464	0.519308
<i>Gm11613</i>	chr11:97644183-97660367	3.8251	3.7095	-0.0443	0.786271
<i>Strada</i>	chr11:106163329-106202168	8.1388	8.0912	-0.0085	0.865144
<i>Rhbf2</i>	chr11:116598164-116627019	3.8952	4.0884	0.0698	0.632224
<i>B3gntl1</i>	chr11:121616196-121673153	10.9013	10.7474	-0.0205	0.874623
<i>Dtd2</i>	chr12:51988311-52006501	2.9852	3.1535	0.0791	0.626884
<i>Hsd17b11</i>	chr5:103989761-104021919	4.2440	4.1444	-0.0343	0.822385
<i>Rfc5</i>	chr5:117378102-117389047	8.1099	8.0180	-0.0164	0.851856
<i>Ccdc174</i>	chr6:91878052-91899843	6.8356	7.0444	0.0434	0.175462
<i>Slc10a7</i>	chr8:78509334-78734005	9.5586	9.4769	-0.0124	0.846796
<i>Kctd9</i>	chr14:67715936-67742310	3.9567	4.1665	0.0745	0.692227
<i>Zfp54</i>	chr17:21423226-21435640	5.9894	5.8704	-0.0290	0.785291
<i>Atrnl1</i>	chr19:57611033-58133338	1.3706	1.4418	0.0730	0.552718

<i>Pcmdt1</i>	chr1:7088919-7173628	20.2412	20.0606	-0.0129	0.878601
<i>Rpl7</i>	chr1:16101294-16104662	221.9362	217.5509	-0.0288	0.859750
<i>Tmem194b</i>	chr1:52630704-52651919	23.6363	24.4531	0.0490	0.557034
<i>Pik3c2b</i>	chr1:133045666-133108687	0.7273	0.7077	-0.0394	0.739833
<i>Scg5</i>	chr2:113776361-113829121	3.7454	3.9662	0.0826	0.491402
<i>Cp</i>	chr3:19957053-20009145	0.7476	0.7969	0.0922	0.670430
<i>5730508B09Rik</i>	chr3:127869687-127896323	7.0117	6.7924	-0.0458	0.791657
<i>Reck</i>	chr4:43875529-43944806	0.9823	0.9445	-0.0566	0.719918
<i>Zfp850</i>	chr7:27988711-28008416	12.0693	11.8385	-0.0278	0.827656
<i>BC004004</i>	chr17:29268787-29302881	7.6186	7.9309	0.0580	0.642547
<i>Znhit6</i>	chr3:145576207-145605245	2.9202	2.8502	-0.0350	0.694758
<i>Ehd1</i>	chr19:6276724-6300096	4.4852	4.3844	-0.0328	0.826012
<i>Mtrf1</i>	chr14:79397771-79423650	2.3016	2.4590	0.0954	0.630323
<i>Gm20441</i>	chr10:75771450-75780954	7.0532	7.5648	0.1010	0.678669
<i>Bbs10</i>	chr10:111298678-111301736	3.5146	3.4194	-0.0396	0.755164
<i>Nabp2</i>	chr10:128401394-128411492	8.5733	8.9275	0.0584	0.416039
<i>Mpp5</i>	chr12:78748946-78840711	10.4750	10.3589	-0.0161	0.858499
<i>Prr14l</i>	chr5:32789217-32854256	15.0921	15.6146	0.0491	0.542566
<i>Rltpr</i>	chr8:105690905-105698178	25.4962	26.7246	0.0679	0.680742
<i>Mir17hg</i>	chr14:115042878-115046727	16.9421	16.6732	-0.0231	0.857030
<i>Usf1</i>	chr1:171411312-171419142	22.9136	22.7097	-0.0129	0.878500
<i>Ankrd16</i>	chr2:11777875-11790325	15.8961	15.7928	-0.0094	0.908356
<i>Fam188a</i>	chr2:12347262-12419469	14.5426	15.0211	0.0467	0.443948
<i>Larp7</i>	chr3:127536953-127553348	22.7186	23.5931	0.0545	0.585843
<i>Pde4b</i>	chr4:102087542-102607259	16.3855	16.8635	0.0415	0.406408
<i>Pias4</i>	chr10:81153265-81167923	7.6062	7.5573	-0.0093	0.856453
<i>Igtp</i>	chr11:58199555-58207591	171.3168	170.0161	-0.0110	0.909648
<i>Nfu1</i>	chr6:87009235-87028461	12.0189	12.4899	0.0555	0.524342
<i>Chp1</i>	chr2:119547696-119587027	18.6561	18.4215	-0.0183	0.868142
<i>Phf12</i>	chr11:77982753-78030539	18.4288	19.1794	0.0576	0.659268
<i>Papola</i>	chr12:105784693-105838944	37.1613	37.0843	-0.0030	0.953348
<i>Morf4l2</i>	chrX:136732941-136743690	12.6456	13.1151	0.0526	0.573294
<i>Cdh24</i>	chr14:54631991-54641364	5.0127	4.8831	-0.0378	0.854478
<i>Aven</i>	chr2:112492963-112634573	10.5454	11.0156	0.0629	0.698722
<i>Sync</i>	chr4:129287616-129308559	1.8580	1.9706	0.0850	0.371127
<i>Nt5dc3</i>	chr10:86779004-86838389	2.4996	2.4487	-0.0297	0.859320
<i>Btbd19</i>	chr4:117119218-117125725	6.6231	6.8606	0.0508	0.297341
<i>Psmg4</i>	chr13:34162963-34178172	26.4272	25.7060	-0.0399	0.805149
<i>Gm26640</i>	chr6:72953235-72957249	3.9534	4.2611	0.1081	0.771924
<i>NA</i>	chr9:45954100-45955998	10.6087	11.2017	0.0785	0.676372
<i>Ndufa1</i>	chrX:37187587-37191163	52.1740	54.7888	0.0705	0.686759
<i>Bin3</i>	chr14:70100144-70138191	24.7977	25.7340	0.0535	0.566190
<i>Polr3k</i>	chr2:181864336-181870830	9.3801	9.2471	-0.0206	0.817673
<i>Magoh</i>	chr4:107879754-107887424	55.0638	53.9310	-0.0300	0.845334
<i>Bcdin3d</i>	chr15:99470083-99474730	11.5289	11.3222	-0.0261	0.841213
<i>Cyb5r1</i>	chr1:134405780-134411740	5.2819	5.4925	0.0564	0.475375
<i>Mtrf1l</i>	chr10:5811886-5823910	8.9505	8.8666	-0.0136	0.809823
<i>Gna13</i>	chr11:109362830-109401369	44.9578	46.5398	0.0499	0.628768
<i>Esyt2</i>	chr12:116281221-116373096	106.4057	105.9937	-0.0056	0.936589
<i>Slc5a6</i>	chr5:31036035-31048924	2.8155	2.7671	-0.0250	0.690805
<i>Dgkq</i>	chr5:108646692-108669672	10.3165	10.7066	0.0535	0.623005
<i>2610020H08Rik</i>	chr7:119794005-119848943	7.2047	7.4837	0.0548	0.500713
<i>Prrt2</i>	chr7:127016770-127021211	4.3599	4.5466	0.0605	0.332579
<i>4930594M22Rik</i>	chr14:122913029-122937469	1.3216	1.4049	0.0881	0.530670
<i>Slc25a1</i>	chr16:17925210-17928219	12.0663	12.5215	0.0534	0.450158
<i>Sft2d3</i>	chr18:31909093-31911903	8.7534	9.0991	0.0559	0.492585
<i>Zbtb34</i>	chr2:33406107-33431324	1.5973	1.6819	0.0744	0.522845
<i>Sp3os</i>	chr2:72979423-72988677	8.3793	8.1327	-0.0431	0.784179
<i>Gm10704</i>	chr3:88576244-88577208	6.2953	6.0843	-0.0492	0.747961
<i>Prpf4b</i>	chr13:34875493-34902877	88.8344	88.4785	-0.0058	0.923289
<i>Ppp2r5c</i>	chr12:110485738-110583061	77.9974	77.5257	-0.0088	0.905524
<i>Fam133b</i>	chr5:3543843-3569810	23.1755	24.0581	0.0539	0.584625
<i>Tmem184a</i>	chr5:139802484-139819917	1.4942	1.4583	-0.0351	0.735841
<i>Tbc1d17</i>	chr7:44840900-44849079	16.9964	16.8465	-0.0128	0.898578
<i>Lphn1</i>	chr8:83900104-83941954	10.4697	10.9493	0.0646	0.683728
<i>Rad1</i>	chr15:10486017-10499063	4.1096	4.0543	-0.0195	0.822768
<i>Chadl</i>	chr15:81678295-81697287	2.0683	2.1717	0.0704	0.448063
<i>Crkl</i>	chr16:17451986-17486255	23.1557	23.9332	0.0476	0.486188
<i>Slc25a51</i>	chr4:45395922-45408766	14.7301	15.2248	0.0477	0.476428
<i>Kin</i>	chr2:10080592-10092806	20.9839	21.7923	0.0545	0.615573
<i>Pan3</i>	chr5:147430160-147548502	40.3622	40.2614	-0.0036	0.951185

<i>Atp8b4</i>	chr2:126320972-126500674	14.1881	14.0093	-0.0183	0.887230
<i>Trim68</i>	chr7:102677579-102687326	6.2470	6.5497	0.0683	0.655102
<i>Thrap3</i>	chr4:126164081-126202760	29.1719	29.9981	0.0403	0.367997
<i>Ccdc62</i>	chr5:123927417-123969895	2.0339	1.9436	-0.0655	0.821455
<i>Susd1</i>	chr4:59314682-59438633	1.9705	2.0663	0.0685	0.533298
<i>Lrrc75aos2</i>	chr11:62605765-62607748	4.2046	4.4861	0.0935	0.604433
<i>Vps53</i>	chr11:76046225-76179647	10.8623	10.8077	-0.0073	0.851840
<i>Zc3h14</i>	chr12:98746967-98787774	32.6175	33.6341	0.0443	0.515039
<i>Ppp1r13b</i>	chr12:111828457-111908055	17.0718	16.9407	-0.0111	0.912653
<i>Mta1</i>	chr12:113098277-113137206	20.4182	20.2725	-0.0103	0.912425
<i>Trmt2b</i>	chrX:134222338-134276984	9.7449	9.6701	-0.0111	0.840246
<i>Yeats2</i>	chr16:20141062-20232573	13.4482	13.9372	0.0515	0.557942
<i>B230307C23Rik</i>	chr16:97997322-98010000	8.2103	8.5996	0.0668	0.541236
<i>Wbp1l</i>	chr19:46599083-46657389	28.2722	28.1682	-0.0053	0.943354
<i>Tmem234</i>	chr4:129600667-129624059	41.9829	41.7431	-0.0083	0.903610
<i>Parp10</i>	chr15:76231173-76243441	27.4294	27.1333	-0.0157	0.901050
<i>Bcl2l13</i>	chr6:120836229-120892842	7.5528	7.8100	0.0483	0.462069
<i>Mcmbp</i>	chr7:128696440-128740495	42.6184	42.5950	-0.0008	0.982766
<i>Gtf2e1</i>	chr16:37509789-37539789	5.4000	5.3499	-0.0135	0.835714
<i>Dstyk</i>	chr1:132417452-132466959	5.8609	5.8108	-0.0124	0.881674
<i>Hspa9</i>	chr18:34937413-34954357	61.1112	60.8082	-0.0072	0.912304
<i>Otud1</i>	chr2:19658061-19660590	15.8269	15.7206	-0.0097	0.883073
<i>Snapc4</i>	chr2:26362764-26380653	12.6888	13.1343	0.0498	0.570155
<i>Fbxw7</i>	chr3:84815267-84979198	13.0252	13.0097	-0.0017	0.956487
<i>Alg2</i>	chr4:47465066-47474333	8.2484	8.1303	-0.0208	0.884953
<i>4933439C10Rik</i>	chr11:59505661-59513647	2.6500	2.6142	-0.0197	0.794984
<i>Fkbp5</i>	chr17:28399094-28517524	9.4465	9.3015	-0.0223	0.877139
<i>Gbe1</i>	chr16:70313948-70569716	5.4602	5.3965	-0.0169	0.836055
<i>Dpf2</i>	chr19:5896515-5913010	10.1609	10.1124	-0.0069	0.920317
<i>Usp20</i>	chr2:30982278-31023586	2.6100	2.5670	-0.0240	0.876777
<i>Gins4</i>	chr8:23226609-23237668	25.8198	25.4596	-0.0203	0.850510
<i>Haghl</i>	chr17:25779842-25785673	10.2121	10.0305	-0.0259	0.869439
<i>D2hgdh</i>	chr1:93825239-93852348	5.6354	5.8429	0.0522	0.315172
<i>Bbs2</i>	chr8:94067953-94098811	6.7628	7.0599	0.0620	0.683478
<i>Txk</i>	chr5:72695977-72752773	70.9650	70.7827	-0.0037	0.946714
<i>Rnf10</i>	chr5:115241411-115272898	16.9441	16.8051	-0.0119	0.916832
<i>Hemk1</i>	chr9:107327691-107338350	3.5000	3.4309	-0.0288	0.832656
<i>Ubr2</i>	chr17:46928291-47010532	26.3320	27.2203	0.0479	0.609876
<i>Zfp661</i>	chr2:127574661-127587094	1.9772	1.9198	-0.0425	0.812703
<i>Cyp4f17</i>	chr17:32506461-32528894	4.2421	4.1382	-0.0358	0.728406
<i>Plgrkt</i>	chr19:29348598-29367390	40.0603	41.3828	0.0469	0.578226
<i>Art4</i>	chr6:136848450-136857733	3.3309	3.2447	-0.0378	0.761288
<i>Lrrc57</i>	chr2:120604237-120609520	7.9623	7.8778	-0.0154	0.789417
<i>Yeats4</i>	chr10:117215141-117224507	42.0742	43.6651	0.0535	0.628156
<i>Cwc15</i>	chr9:14500616-14510577	77.1390	75.7223	-0.0267	0.862003
<i>Gbbp1</i>	chr13:111425679-111490111	67.8230	70.1698	0.0491	0.617395
<i>Zranb2</i>	chr3:157534159-157548390	35.3028	34.9474	-0.0146	0.886241
<i>Map4k5</i>	chr12:69803749-69893200	3.0129	2.9741	-0.0187	0.854154
<i>Agps</i>	chr2:75832176-75931350	14.3810	14.3171	-0.0064	0.915109
<i>Prdx4</i>	chrX:155323917-155340754	7.1968	7.0071	-0.0385	0.829280
<i>Hdgf</i>	chr3:87906320-87916132	37.5492	37.1354	-0.0160	0.886368
<i>Morc2a</i>	chr11:3649493-3690477	14.7668	15.2804	0.0493	0.590199
<i>Mettl2</i>	chr11:105126424-105140394	10.5357	10.4542	-0.0112	0.882150
<i>Rpia</i>	chr6:70765719-70792232	7.2574	7.5441	0.0559	0.630057
<i>Gm5914</i>	chr8:105624335-105637485	14.5540	15.3579	0.0776	0.497914
<i>Bcl9l</i>	chr9:44499135-44510388	4.3979	4.6646	0.0849	0.738945
<i>Tbc1d2b</i>	chr9:90202046-90270804	12.3797	12.7760	0.0455	0.550452
<i>Rab12</i>	chr17:66494511-66519717	8.7102	9.0852	0.0608	0.649475
<i>1700007L15Rik</i>	chr16:33379854-33380727	6.2006	5.9601	-0.0571	0.728847
<i>2410004B18Rik</i>	chr3:145938013-145944829	14.6792	14.5066	-0.0171	0.831622
<i>Ric8</i>	chr7:140856956-140863730	27.9257	27.9102	-0.0008	0.985739
<i>Gm16638</i>	chr7:83597047-83631842	2.9408	3.1221	0.0863	0.663693
<i>Fadd</i>	chr7:144577317-144582463	4.6838	4.6289	-0.0170	0.857787
<i>Med4</i>	chr14:73510048-73518545	26.7985	26.5006	-0.0161	0.857921
<i>Gm12227</i>	chr11:54728676-54734323	8.5829	9.2076	0.1014	0.666092
<i>Iba57</i>	chr11:59155368-59163739	3.1229	3.2615	0.0627	0.518763
<i>Vat1</i>	chr11:101458744-101466230	5.3557	5.6004	0.0644	0.511642
<i>Dus4l</i>	chr12:31640054-31654826	4.9431	4.7764	-0.0495	0.810807
<i>Wbscr16</i>	chr5:134148053-134176774	5.4967	5.7236	0.0583	0.284911
<i>Phrf1</i>	chr7:141228783-141262750	22.6134	22.5025	-0.0071	0.937567
<i>Aktip</i>	chr8:91112040-91134465	16.4068	16.9597	0.0478	0.532333

<i>Wnk3</i>	chrX:151198139-151320152	0.4616	0.4965	0.1053	0.675969
<i>Paglut1</i>	chr16:38525136-38550258	12.3878	12.3267	-0.0071	0.913714
<i>Trip12</i>	chr1:84721188-84839304	64.1582	65.9236	0.0392	0.432030
<i>Maml3</i>	chr3:51687610-52104891	2.0026	1.9641	-0.0280	0.835105
<i>Gm21092</i>	chr8:20550330-20581999	1.6221	1.5730	-0.0444	0.808464
<i>Snord104</i>	chr11:106500992-106501062	63.7592	67.8493	0.0897	0.710507
<i>Dip2c</i>	chr13:9276527-9668928	1.9989	1.9215	-0.0570	0.867951
<i>Zfp738</i>	chr13:67667436-67687071	6.5599	6.7998	0.0518	0.428581
<i>Trbj1-1</i>	chr6:41533863-41533911	97.3840	103.1872	0.0835	0.661106
<i>O610030E20Rik</i>	chr6:72347316-72353158	13.5709	13.5465	-0.0026	0.943140
<i>Memo1</i>	chr17:74200705-74294883	15.3105	15.8966	0.0542	0.518710
<i>Kctd3</i>	chr1:188971097-189007840	6.5463	6.4914	-0.0122	0.883899
<i>Mical3</i>	chr6:121007240-121081609	2.7560	2.9437	0.0951	0.700134
<i>Abhd14b</i>	chr9:106448639-106452915	4.3243	4.5893	0.0858	0.622698
<i>Tef</i>	chr15:81802420-81826861	5.6133	5.8178	0.0516	0.600758
<i>Serinc4</i>	chr2:121439058-121456781	13.2677	13.1971	-0.0077	0.899629
<i>E2f5</i>	chr3:14578670-14606308	10.6000	10.4508	-0.0205	0.829945
<i>Fancf</i>	chr7:51860576-51862267	6.9241	6.8243	-0.0209	0.828011
<i>Zmat1</i>	chrX:134971371-135009209	1.2566	1.3252	0.0767	0.431338
<i>Zfp597</i>	chr16:3858320-3884561	13.1819	13.1248	-0.0063	0.913253
<i>Plcx2</i>	chr16:45959262-46010218	17.8391	18.3412	0.0401	0.377148
<i>Yip1</i>	chr4:107314362-107359823	5.2452	5.4232	0.0482	0.483886
<i>D5Ertd579e</i>	chr5:36584787-36696024	7.7638	8.0314	0.0489	0.581785
<i>Trbj2-3</i>	chr6:41543222-41543271	201.1591	211.3851	0.0715	0.540356
<i>Ppapdc1b</i>	chr8:25720060-25724887	6.4475	6.7696	0.0703	0.631675
<i>Tsnax</i>	chr8:125012996-125034192	35.6122	35.4810	-0.0053	0.925733
<i>Atg4a</i>	chrX:140956906-141164270	6.0473	6.2814	0.0548	0.551657
<i>Dgk1</i>	chr1:87853286-87944489	80.4286	80.3268	-0.0018	0.974484
<i>Ascc1</i>	chr10:60002804-60099990	16.0291	16.6639	0.0560	0.580964
<i>Acad9</i>	chr3:36065978-36094944	5.1859	5.1432	-0.0119	0.886599
<i>Thg1l</i>	chr11:45946842-45955494	5.1693	5.3954	0.0618	0.635741
<i>Zc3h12b</i>	chrX:95711677-95932637	1.3792	1.3514	-0.0294	0.836572
<i>Bambi-ps1</i>	chr2:122466934-122467526	41.6233	40.7383	-0.0310	0.863643
<i>Tsyp1l</i>	chr10:34282189-34284885	40.9294	40.8032	-0.0045	0.922656
<i>Mapk1ip1l</i>	chr14:47298313-47323204	13.5011	13.4418	-0.0064	0.932217
<i>Irak2</i>	chr6:113638466-113695009	4.5129	4.7137	0.0628	0.622293
<i>Mcm3ap</i>	chr10:76468970-76515856	19.6708	20.3408	0.0483	0.576986
<i>Glcc1</i>	chr6:8509599-8597548	8.3828	8.6749	0.0494	0.585144
<i>Mlh3</i>	chr12:85234528-85270591	10.5498	10.4933	-0.0077	0.906739
<i>Ppm1g</i>	chr5:31202667-31220545	55.9739	55.8052	-0.0044	0.942690
<i>Rpl37</i>	chr15:5116612-5119140	137.2193	143.3780	0.0633	0.705283
<i>Slc25a17</i>	chr15:81318920-81360765	23.4771	23.3154	-0.0100	0.858687
<i>Rab11fip2</i>	chr19:59902883-59943654	7.9419	7.9061	-0.0065	0.889171
<i>Ccdc181</i>	chr1:164275584-164287847	3.8101	4.0060	0.0723	0.629475
<i>Cep120</i>	chr18:53681723-53744547	22.2769	22.9555	0.0433	0.449657
<i>Rgs10</i>	chr7:128373620-128418758	90.2735	93.9666	0.0578	0.701885
<i>Homez</i>	chr14:54852735-54870961	2.5610	2.6698	0.0600	0.608378
<i>Mapk1ip1</i>	chr7:138835822-138846273	11.7473	12.2269	0.0577	0.547470
<i>Ewsr1</i>	chr11:5069688-5099266	57.1115	57.1757	0.0016	0.968110
<i>Zcchc8</i>	chr5:123698301-123721044	16.9789	17.4801	0.0420	0.205338
<i>Trbv5</i>	chr6:41062358-41062803	79.0238	77.9978	-0.0189	0.845689
<i>Emp3</i>	chr7:45918022-45921426	131.5003	130.2300	-0.0140	0.899899
<i>Klhl36</i>	chr8:119862304-119876988	7.9434	7.8538	-0.0164	0.856966
<i>Strbp</i>	chr2:37569867-37703859	4.7864	4.9401	0.0456	0.515185
<i>Ssb</i>	chr2:69861561-69871846	110.6267	114.5670	0.0505	0.659326
<i>Sco1</i>	chr11:67052669-67067070	5.4034	5.6299	0.0592	0.666141
<i>P2rx4</i>	chr5:122707583-122729738	7.7286	7.6473	-0.0153	0.864078
<i>NA</i>	chr7:143634805-143636585	2.4399	2.6154	0.1002	0.692512
<i>Tcea2</i>	chr2:181680309-181688071	13.2426	13.1548	-0.0096	0.904139
<i>Tmem68</i>	chr4:3549040-3574853	10.6012	10.4962	-0.0144	0.854134
<i>Sytl2</i>	chr7:90348698-90410438	5.3434	5.5918	0.0656	0.700548
<i>Usp19</i>	chr9:108490675-108502333	37.3230	37.2383	-0.0033	0.963048
<i>Utp14a</i>	chrX:48256861-48282453	23.4563	23.1943	-0.0162	0.884569
<i>Mpp1</i>	chrX:75109732-75131016	11.9786	12.4055	0.0505	0.612399
<i>Nt5c2</i>	chr19:46886830-47015153	8.5896	8.8864	0.0490	0.563518
<i>Acbd4</i>	chr11:103101681-103112200	8.4028	8.3104	-0.0159	0.843008
<i>Slc45a4</i>	chr15:73577423-73645762	2.3795	2.5069	0.0753	0.735497
<i>Tnfrsf10</i>	chr3:27317027-27342427	7.2884	7.5798	0.0565	0.672476
<i>Sned1</i>	chr1:93235840-93301065	0.8914	0.8757	-0.0257	0.738308
<i>Ints12</i>	chr3:133091839-133110988	4.3445	4.5016	0.0512	0.566710
<i>Gm7389</i>	chr8:3994627-3997505	1.4520	1.4001	-0.0525	0.799337

<i>Bcor1</i>	chrX:48341357-48408049	1.1025	1.0826	-0.0263	0.858452
<i>Map4k2</i>	chr19:6341134-6355615	77.8232	77.5965	-0.0042	0.956657
<i>Zfp931</i>	chr2:178067694-178078476	6.3424	6.2020	-0.0323	0.834786
<i>Pogz</i>	chr3:94837566-94882326	6.5756	6.8459	0.0581	0.677847
<i>Atp5d</i>	chr10:80138631-80145818	37.2331	36.7374	-0.0193	0.894956
<i>Arl5a</i>	chr2:52397950-52424901	14.4347	14.9614	0.0517	0.684757
<i>Ptp4a2</i>	chr4:129811218-129850003	98.1051	97.3677	-0.0109	0.907539
<i>Map10</i>	chr8:125669817-125673365	1.8799	1.9864	0.0795	0.703577
<i>Shhg6</i>	chr1:9941958-9944118	24.8613	25.8224	0.0547	0.628771
<i>Cox6b1</i>	chr7:30616973-30626151	187.7168	183.6636	-0.0315	0.870105
<i>A630014C17Rik</i>	chr11:52276054-52286179	8.0591	7.9512	-0.0194	0.885692
<i>Pole2</i>	chr12:69201778-69228190	18.1410	17.9042	-0.0190	0.867098
<i>Edc3</i>	chr9:57708539-57752499	14.4430	14.4307	-0.0012	0.980566
<i>Arl8a</i>	chr1:135146823-135156269	7.0237	7.3158	0.0588	0.482025
<i>Foxd2os</i>	chr4:114909256-114921967	1.2817	1.2358	-0.0526	0.746677
<i>Lepre1</i>	chr4:119232914-119248975	1.5186	1.6187	0.0920	0.709475
<i>Tmem106b</i>	chr6:13069758-13089269	21.9218	21.8610	-0.0040	0.942365
<i>Z310022A10Rik</i>	chr7:27553294-27582094	2.9089	2.8412	-0.0340	0.862518
<i>Slca3a1</i>	chr7:74275418-74554780	8.1976	8.1256	-0.0127	0.916901
<i>Thrb</i>	chr14:17660959-18038088	1.3436	1.3204	-0.0251	0.827965
<i>Rps6ka2</i>	chr17:7170114-7303313	1.2465	1.3087	0.0703	0.607935
<i>Atp6v1g2</i>	chr17:35233659-35238767	2.6285	2.7826	0.0822	0.665735
<i>Thap4</i>	chr1:93705390-93754838	5.5450	5.7946	0.0635	0.567069
<i>Glod4</i>	chr11:76120986-76243725	11.1046	11.0526	-0.0068	0.906837
<i>Ppp1cc</i>	chr5:122158277-122175273	6.7016	6.6108	-0.0197	0.891737
<i>Nfkbie</i>	chr17:45555715-45563169	18.8747	19.5826	0.0531	0.636064
<i>Trub1</i>	chr19:57452905-57491005	6.5885	6.5635	-0.0055	0.901697
<i>Rrp15</i>	chr1:186720977-186749358	10.0348	9.8923	-0.0206	0.862856
<i>Gm11944</i>	chr11:3308995-3320722	7.1976	7.7547	0.1075	0.745712
<i>Fbxw8</i>	chr5:118064980-118155458	4.3790	4.5915	0.0684	0.722498
<i>Slc25a18</i>	chr6:120773767-120793982	3.1227	3.3670	0.1087	0.678796
<i>Morc3</i>	chr16:93832120-93876072	59.6987	59.2527	-0.0108	0.909435
<i>Rassf3</i>	chr10:121410349-121476250	19.6701	19.5049	-0.0122	0.901355
<i>Trbv13-3</i>	chr6:41130146-41130585	90.7898	89.3394	-0.0232	0.860551
<i>Mto1</i>	chr9:78448207-78475348	10.8960	10.8029	-0.0124	0.888647
<i>Itm2b</i>	chr14:73362230-73385271	318.3891	317.0394	-0.0061	0.934805
<i>Gramd1c</i>	chr16:43980349-44027945	2.3461	2.2944	-0.0321	0.680865
<i>Tgjf2</i>	chr2:156840076-156855570	6.2414	6.1895	-0.0120	0.879928
<i>Ubxn2a</i>	chr12:4879031-4907705	15.8634	15.6700	-0.0177	0.881246
<i>Smim19</i>	chr8:22462614-22476879	10.0130	9.8509	-0.0235	0.857020
<i>Pdss2</i>	chr10:43221485-43464882	2.3810	2.4899	0.0645	0.605024
<i>Timeless</i>	chr10:128232064-128252941	10.9535	11.3360	0.0495	0.654906
<i>Stat5b</i>	chr11:100780730-100850724	48.4769	49.7973	0.0388	0.428047
<i>Dcaf4</i>	chr12:83520465-83541988	9.0458	9.4027	0.0558	0.544882
<i>D930015E06Rik</i>	chr3:83898286-84040161	25.7874	26.6400	0.0469	0.633253
<i>H3f3aos</i>	chr1:180813775-180816859	6.1395	6.3964	0.0592	0.649241
<i>Sf3a3</i>	chr4:124714775-124732460	28.5402	29.4715	0.0463	0.580177
<i>Ranbp10</i>	chr8:105768307-105827350	18.1669	18.7911	0.0487	0.627493
<i>Adck2</i>	chr6:39573872-39596595	9.0795	9.4088	0.0514	0.552715
<i>Gm11725</i>	chr11:117871249-117887416	2.9277	3.0901	0.0779	0.620991
<i>Ncbp2</i>	chr16:31948512-31961781	12.9468	13.4401	0.0539	0.617879
<i>Zfp110</i>	chr7:12834760-12850577	37.9368	38.9695	0.0387	0.372125
<i>Lysmd4</i>	chr7:67222543-67228468	3.7131	3.8657	0.0581	0.518877
<i>Tvp23a</i>	chr16:10420556-10447362	8.9445	9.2735	0.0521	0.606660
<i>Rb1cc1</i>	chr1:6206196-6276648	16.5747	16.5677	-0.0006	0.990067
<i>Zgrf1</i>	chr3:127553488-127618021	2.5767	2.6746	0.0538	0.502286
<i>Sacm1l</i>	chr9:123529881-123592598	29.1696	30.0314	0.0420	0.523964
<i>Bag1</i>	chr4:40936397-40948281	56.0068	55.2658	-0.0192	0.882785
<i>Zbp1</i>	chr2:173206611-173218923	40.0703	41.9662	0.0667	0.764035
<i>Zfp493</i>	chr13:67779753-67792512	1.7553	1.7186	-0.0305	0.802560
<i>Sbds</i>	chr5:130245730-130255530	38.5174	38.4641	-0.0020	0.953609
<i>Tpk1</i>	chr6:43345000-43666278	1.6626	1.7511	0.0747	0.676096
<i>Ppp2r2d</i>	chr7:138846078-138883057	8.3906	8.6596	0.0455	0.568467
<i>Snora68</i>	chr8:70895758-70895889	32.6788	34.6704	0.0853	0.617230
<i>Gm26377</i>	chr9:78478527-78478635	6618.5510	6886.2072	0.0572	0.718583
<i>Tinf2</i>	chr14:55679082-55681817	33.0975	34.0657	0.0416	0.333258
<i>Gm26724</i>	chr17:27201031-27203071	7.5295	7.4388	-0.0175	0.740832
<i>Zmpste24</i>	chr4:121059236-121098241	7.1811	7.1615	-0.0039	0.922509
<i>Eogt</i>	chr6:97110023-97149182	6.1781	6.0963	-0.0192	0.879758
<i>Sall2</i>	chr14:52311171-52328762	5.1898	5.3759	0.0508	0.489177
<i>Ercc6l2</i>	chr13:63815239-63900302	7.2994	7.5166	0.0423	0.398236

<i>Dars2</i>	chr1:161040600-161070658	4.1940	4.1397	-0.0188	0.857698
<i>Itpr3</i>	chr17:27057303-27122223	31.8879	32.9492	0.0472	0.630910
<i>Atf6b</i>	chr17:34647145-34655074	16.1354	16.0715	-0.0057	0.938569
<i>4933406118Rik</i>	chr7:114315478-114415161	2.4305	2.5750	0.0833	0.573378
<i>Zfp652</i>	chr11:95712672-95835115	14.9705	14.9375	-0.0032	0.966377
<i>Golm1</i>	chr13:59634995-59675784	18.2281	17.8567	-0.0297	0.889840
<i>Rnf181</i>	chr6:72359713-72362721	28.2692	28.0726	-0.0101	0.900289
<i>Amn1</i>	chr6:149157146-149188712	4.6693	4.8327	0.0496	0.349463
<i>Glrx3</i>	chr7:137437647-137468594	9.7878	10.1493	0.0523	0.285651
<i>Tubgcp2</i>	chr7:139995954-140036350	17.1373	16.9883	-0.0126	0.906920
<i>Use1</i>	chr8:71366847-71369732	52.3041	51.6625	-0.0178	0.895110
<i>Zdhhc3</i>	chr9:123066159-123113205	10.3357	10.6103	0.0378	0.302054
<i>Gmpr2</i>	chr14:55672234-55678750	22.1589	22.9702	0.0519	0.557777
<i>Em14</i>	chr17:83350930-83480361	29.9487	30.8313	0.0419	0.566281
<i>Gm6611</i>	chr16:32923217-32924489	6.5429	6.9393	0.0849	0.716541
<i>Trp53rk</i>	chr2:166792530-166799505	1.8585	1.8237	-0.0273	0.832907
<i>Mettl14</i>	chr3:123364644-123385990	6.2173	6.4304	0.0486	0.436121
<i>Utp6</i>	chr11:79932320-79962390	16.3634	16.8716	0.0441	0.584111
<i>Gm15927</i>	chr7:3632113-3644887	7.8147	7.6954	-0.0222	0.865848
<i>Galt</i>	chr4:41755227-41758695	13.8111	13.7454	-0.0069	0.866343
<i>Vcpkmt</i>	chr12:69577627-69583028	9.8226	9.6269	-0.0290	0.818260
<i>Nup93</i>	chr8:94214596-94315066	13.8538	13.7566	-0.0102	0.906947
<i>2610015P09Rik</i>	chr16:43889799-43964314	2.6551	2.6144	-0.0223	0.764504
<i>Coro1b</i>	chr19:4148618-4154035	65.2797	65.3011	0.0005	0.992006
<i>Phf21a</i>	chr2:92093116-92364666	13.2043	13.5998	0.0426	0.493340
<i>Gm26773</i>	chr14:118107830-118117100	2.8597	2.9991	0.0687	0.589434
<i>Ifngr1</i>	chr10:19591948-19610229	54.6508	53.8740	-0.0207	0.897700
<i>Riok1</i>	chr13:38036988-38061433	31.7493	31.6463	-0.0047	0.932119
<i>Frmdbos</i>	chr19:5848507-5851372	49.2740	51.2598	0.0570	0.665372
<i>Cacfd1</i>	chr2:27009925-27021089	3.4880	3.6412	0.0620	0.662255
<i>Nmi</i>	chr2:51948486-51973494	36.7165	36.2077	-0.0201	0.887099
<i>Cpne3</i>	chr4:19519253-19570108	11.2885	11.6141	0.0410	0.503335
<i>Ddx46</i>	chr13:55635026-55681256	39.1917	39.2298	0.0014	0.970536
<i>1700019G17Rik</i>	chr6:85899050-85904884	2.9388	2.8508	-0.0438	0.848270
<i>Bora</i>	chr14:99046426-99074537	6.0924	6.3238	0.0538	0.496256
<i>Dtx2</i>	chr5:135994799-136032872	3.9050	3.8830	-0.0082	0.913240
<i>Atad3aos</i>	chr4:155761177-155769264	2.7689	2.6774	-0.0485	0.712062
<i>Ccnb2-ps</i>	chr8:71916555-71918851	4.0331	3.9169	-0.0422	0.846024
<i>Gm16214</i>	chr9:42022614-42034113	5.5936	5.9079	0.0789	0.709328
<i>Gm13571</i>	chr2:60338187-60371234	5.9365	5.8747	-0.0151	0.892705
<i>Bloc1s6</i>	chr2:122738502-122749475	8.4894	8.3813	-0.0185	0.877585
<i>Amigo1</i>	chr3:108186334-108192286	1.5345	1.5062	-0.0268	0.766123
<i>Aqp3</i>	chr4:41092721-41098183	3.1526	3.0310	-0.0568	0.839130
<i>Aftph</i>	chr11:20685083-20741589	30.6156	31.4359	0.0381	0.485626
<i>Cep63</i>	chr9:102586577-102626534	6.4293	6.6340	0.0452	0.504079
<i>Api5</i>	chr2:94411681-94438136	32.5668	32.4692	-0.0043	0.943504
<i>Tbca</i>	chr13:94788942-94842899	46.6940	45.2638	-0.0449	0.858245
<i>Pafah1b3</i>	chr7:25295048-25297986	2.1675	2.3022	0.0870	0.598728
<i>Fmn13</i>	chr15:99317224-99370482	13.7207	13.7099	-0.0011	0.981257
<i>Smim11</i>	chr16:92301285-92313041	17.4444	16.9700	-0.0398	0.861973
<i>Sh3bgrl3</i>	chr4:134127405-134128789	261.2197	258.3428	-0.0160	0.910516
<i>Slc2a12</i>	chr10:22645010-22704285	1.8887	1.9767	0.0657	0.522082
<i>Sirt1</i>	chr10:63319004-63381704	16.1853	16.1301	-0.0049	0.946472
<i>Asb13</i>	chr13:3634031-3651774	16.0626	16.6334	0.0504	0.609879
<i>Mxd3</i>	chr13:55325167-55329758	8.4021	8.2877	-0.0198	0.845479
<i>Rbks</i>	chr5:31624438-31697627	5.3705	5.6513	0.0735	0.674107
<i>Grk4</i>	chr5:34660378-34755305	1.2465	1.3090	0.0706	0.384461
<i>Baz1b</i>	chr5:135187263-135246129	35.1426	35.1355	-0.0003	0.995874
<i>Cog7</i>	chr7:121922838-121981711	5.1815	5.1271	-0.0152	0.883661
<i>Maz</i>	chr7:127022142-127026479	70.2495	70.2497	0.0000	0.999926
<i>Champ1</i>	chr8:13869640-13881639	11.2759	11.2314	-0.0057	0.947377
<i>Cln8</i>	chr8:14881334-14901720	2.1006	2.0754	-0.0174	0.904004
<i>Cdkn2d</i>	chr9:21288462-21291209	44.8069	46.6099	0.0569	0.711487
<i>Acp5</i>	chr9:22126730-22135746	85.8528	88.4361	0.0428	0.517781
<i>Neil1</i>	chr9:57143255-57147034	11.1370	11.6076	0.0597	0.605736
<i>Taf9b</i>	chrX:106206882-106221158	8.4653	8.7708	0.0511	0.638327
<i>Man2a1</i>	chr17:64600735-64755110	24.2654	24.9411	0.0396	0.515721
<i>Cluap1</i>	chr16:3908800-3941147	16.9212	16.8176	-0.0089	0.886417
<i>Klhl22</i>	chr16:17759617-17793382	3.3354	3.3049	-0.0133	0.855360
<i>Tyw5</i>	chr1:57388236-57407101	7.6253	7.5346	-0.0173	0.855555
<i>Snrpe</i>	chr1:133603870-133610291	24.8555	24.3304	-0.0308	0.870159

<i>Spata1</i>	chr3:146457202-146499753	4.1925	4.3525	0.0540	0.611087
<i>Prcc</i>	chr3:87858899-87885608	23.1708	23.0376	-0.0083	0.924089
<i>lkzf1</i>	chr11:11685002-11772926	108.6849	111.6474	0.0388	0.476889
<i>Hexim2</i>	chr11:103132428-103139876	2.3250	2.2650	-0.0378	0.721386
<i>Pat1</i>	chr19:11912398-11945096	10.7418	11.1213	0.0501	0.588688
<i>Rab32</i>	chr10:10545010-10558233	1.8427	1.9578	0.0874	0.736799
<i>Znrd1as</i>	chr17:36958591-36965622	3.1722	3.3590	0.0826	0.713088
<i>2210411M09Rik</i>	chr1:180952063-180958149	9.3166	9.8219	0.0762	0.666989
<i>Zscan21</i>	chr5:138116902-138134265	8.1375	8.0922	-0.0080	0.805720
<i>Acad8</i>	chr9:26974134-26999566	5.6868	5.6156	-0.0182	0.874162
<i>Snapc5</i>	chr9:64179296-64182684	34.3442	33.9090	-0.0184	0.872345
<i>Tmem42</i>	chr9:123021325-123023490	14.8372	14.6194	-0.0213	0.844537
<i>Nadk2</i>	chr15:9071259-9110487	5.6655	5.8745	0.0523	0.636013
<i>Acin1</i>	chr14:54642160-54686931	47.6882	49.0850	0.0416	0.561389
<i>Wfikkn1</i>	chr17:25877629-25880305	2.5789	2.5049	-0.0420	0.846380
<i>Gm15427</i>	chr1:95498583-95499187	9.6419	9.3255	-0.0481	0.868534
<i>Riok3</i>	chr18:12128849-12157367	47.7396	48.9943	0.0374	0.410534
<i>Espn</i>	chr4:152120330-152152371	3.1002	3.2422	0.0646	0.687385
<i>Unk</i>	chr11:116030321-116061214	12.7314	13.1464	0.0463	0.600352
<i>Myh10</i>	chr11:68691558-68816632	0.4552	0.4849	0.0912	0.672847
<i>Prkra</i>	chr2:76629897-76648015	2.3781	2.3081	-0.0431	0.705663
<i>Chchd5</i>	chr2:129129699-129134134	7.3951	7.7137	0.0608	0.677732
<i>Snora33</i>	chr10:23785346-23785475	39.3248	41.4425	0.0757	0.702309
<i>Gimap6</i>	chr6:48701581-48708225	405.9347	419.6665	0.0480	0.675567
<i>Capn2</i>	chr1:182467255-182517495	42.2563	43.5719	0.0442	0.651624
<i>Dhx35</i>	chr2:158794806-158858214	7.7570	7.7201	-0.0069	0.933928
<i>Ypel3</i>	chr7:126776954-126780514	42.9878	42.6941	-0.0099	0.932345
<i>Nudt9</i>	chr5:104046305-104065379	14.6040	15.0674	0.0451	0.503609
<i>Zfp65</i>	chr13:67705305-67729119	10.1684	10.4912	0.0451	0.603120
<i>Taf9</i>	chr13:100651342-100656059	18.9384	18.6274	-0.0239	0.866385
<i>Wdr81</i>	chr11:75440943-75454717	8.7470	9.0676	0.0519	0.686263
<i>Tpi1</i>	chr6:124810585-124814296	16.8620	17.7374	0.0730	0.812581
<i>Cbx3</i>	chr6:51470359-51483704	7.9420	8.2238	0.0503	0.533857
<i>Zfp780b</i>	chr7:27962707-27975368	6.0599	5.9840	-0.0182	0.862778
<i>Smim7</i>	chr8:72565187-72571088	16.4627	16.9697	0.0438	0.577324
<i>Micall1</i>	chr15:79108971-79136897	16.1107	15.9634	-0.0133	0.932693
<i>Akap8l</i>	chr17:32321424-32350581	71.4304	71.3354	-0.0019	0.978693
<i>Rab11a</i>	chr9:64715298-64737758	17.6363	18.2487	0.0492	0.689221
<i>Ovgp1</i>	chr3:105973710-105987423	6.2154	6.4585	0.0553	0.660016
<i>Cnksr3</i>	chr10:7119062-7212237	2.5099	2.4625	-0.0275	0.874423
<i>Cdon</i>	chr9:35421127-35507651	11.5338	11.8783	0.0425	0.568526
<i>Nacad</i>	chr11:6597822-6606053	5.2364	5.1624	-0.0205	0.915199
<i>Kif3c</i>	chr12:3365131-3406494	6.2589	6.2065	-0.0121	0.922271
<i>Ulk1</i>	chr5:110784487-110810097	4.5388	4.7563	0.0675	0.731903
<i>Mest</i>	chr6:30723546-30748455	1.3054	1.3880	0.0885	0.650614
<i>Ccne1</i>	chr7:38097983-38107534	6.5374	6.7939	0.0555	0.633837
<i>Lcmt1</i>	chr7:123377981-123430358	9.8133	10.2018	0.0560	0.659749
<i>Tns1</i>	chr1:73910230-74124447	1.0604	1.1173	0.0755	0.720821
<i>Tmem241</i>	chr18:11981302-12121480	5.3684	5.3155	-0.0143	0.854367
<i>Phf3</i>	chr1:30802341-30863256	40.2344	41.2913	0.0374	0.447044
<i>Gm26613</i>	chr11:115615461-115626707	3.6533	3.8583	0.0788	0.599742
<i>Tbl1xr1</i>	chr3:22076651-22216594	31.3288	32.1562	0.0376	0.493870
<i>Gm15872</i>	chr1:193187374-193192011	16.2789	17.0782	0.0692	0.711097
<i>Zfp932</i>	chr5:109996520-110010411	5.7823	5.7124	-0.0176	0.880124
<i>Nmrk1</i>	chr19:18631949-18652194	1.2490	1.3205	0.0803	0.620984
<i>Gpsm3</i>	chr17:34589805-34591754	84.6708	87.4662	0.0469	0.636116
<i>Zfp628</i>	chr7:4915216-4922003	3.5020	3.6822	0.0724	0.686057
<i>Ercc8</i>	chr13:108158730-108195364	3.4067	3.3812	-0.0108	0.891182
<i>Tmem88</i>	chr11:69396518-69398234	7.8170	7.7015	-0.0215	0.830527
<i>Krit1</i>	chr5:3803164-3844515	23.4111	23.3860	-0.0015	0.979210
<i>Phc2</i>	chr4:128654701-128752881	8.9975	9.3352	0.0532	0.682790
<i>Gm11574</i>	chr11:97048690-97051432	12.4690	12.3277	-0.0164	0.852425
<i>Ict1os</i>	chr11:115406585-115408314	5.5882	5.4489	-0.0364	0.825915
<i>Cd97</i>	chr8:83723250-83741326	215.5156	222.4148	0.0455	0.694472
<i>Traj11</i>	chr14:54207138-54207197	131.9312	129.7236	-0.0243	0.854841
<i>Crocc</i>	chr4:141016636-141060550	1.9093	1.8937	-0.0118	0.889281
<i>Pds5a</i>	chr5:65615259-65697856	73.3644	75.2164	0.0360	0.408171
<i>Phtf1</i>	chr3:103968109-104024598	13.4688	13.8272	0.0379	0.475354
<i>Gm11974</i>	chr11:6525590-6528760	12.4566	12.9676	0.0580	0.681176
<i>Pon2</i>	chr6:5264146-5298455	12.3472	12.2581	-0.0105	0.923346
<i>Npat</i>	chr9:53537046-53574342	13.2497	13.2377	-0.0013	0.979700

<i>Sh3kbp1</i>	chrX:159627271-159978069	45.7698	45.7143	-0.0018	0.978541
<i>Trim13</i>	chr14:61598225-61605946	4.0791	4.2851	0.0711	0.700119
<i>Ppt2</i>	chr17:34616661-34628510	5.1325	5.0653	-0.0190	0.901515
<i>Boll</i>	chr1:55248657-55363469	3.5864	3.4754	-0.0454	0.866495
<i>Dok4</i>	chr8:94863827-94876312	2.7470	2.8738	0.0651	0.682201
<i>Sirt2</i>	chr7:28766734-28788665	13.8137	14.2645	0.0463	0.581045
<i>Insf6</i>	chr19:29321343-29325356	14.4140	14.1288	-0.0288	0.836176
<i>Ambra1</i>	chr2:91730133-91918849	23.1223	23.0747	-0.0030	0.974522
<i>Smim4</i>	chr14:31088868-31128930	18.2815	17.8646	-0.0333	0.864545
<i>Cebpz</i>	chr17:78919005-78937070	34.2855	35.2711	0.0409	0.566991
<i>Ifi30</i>	chr8:70762773-70766663	24.0466	24.8676	0.0484	0.558660
<i>Stxbp4</i>	chr11:90476491-90638084	0.3859	0.3739	-0.0457	0.821301
<i>Gm21981</i>	chr17:47686738-47694455	5.4264	5.6691	0.0631	0.670263
<i>Ptpra</i>	chr2:130450277-130554026	47.9849	47.9768	-0.0002	0.996518
<i>Bin1</i>	chr18:32377216-32435736	52.8302	52.8771	0.0013	0.974319
<i>Nars</i>	chr18:64499664-64516557	57.5895	59.1667	0.0390	0.474387
<i>Ahcy</i>	chr2:155059309-155074497	1.5169	1.5966	0.0739	0.639265
<i>Stx8</i>	chr11:67966192-68207148	3.8783	3.8517	-0.0099	0.883683
<i>Gaa</i>	chr11:119267886-119285454	5.8628	5.8083	-0.0135	0.927140
<i>Usp31</i>	chr7:121642020-121707253	7.0317	7.0144	-0.0036	0.966215
<i>Lrrc29</i>	chr8:105312340-105326276	3.1145	3.2906	0.0794	0.665437
<i>Alg10b</i>	chr15:90224310-90230554	13.4889	13.4698	-0.0020	0.963063
<i>Dnase1</i>	chr16:4036941-4040024	5.9335	5.8734	-0.0147	0.915433
<i>Fh1</i>	chr1:175600373-175625635	11.7154	11.6551	-0.0074	0.918946
<i>Gm16062</i>	chr11:59810079-59818491	19.9268	20.6475	0.0513	0.655110
<i>Eif4a1</i>	chr11:69666935-69672423	30.0727	30.8822	0.0383	0.486134
<i>Hist1h4c</i>	chr13:23698059-23698454	142.8860	137.0784	-0.0599	0.816090
<i>Aggf1</i>	chr13:95350682-95375352	22.2475	22.8281	0.0372	0.337641
<i>Gtf2h2</i>	chr13:100460217-100492579	5.8988	6.0808	0.0439	0.470305
<i>Letm1</i>	chr5:33739672-33782817	8.9754	8.9496	-0.0042	0.963816
<i>Ddx51</i>	chr5:110653450-110660496	5.1818	5.1415	-0.0112	0.930535
<i>Crbn</i>	chr6:106778248-106800074	51.5913	51.3201	-0.0076	0.938348
<i>Rrm1</i>	chr7:102441694-102469771	11.7628	12.1645	0.0484	0.709906
<i>Emd</i>	chrX:74254686-74261548	16.3072	16.8923	0.0509	0.682042
<i>Parg</i>	chr14:32201948-32297550	25.9026	25.9113	0.0005	0.991689
<i>Smpd4</i>	chr16:17619353-17644828	5.5510	5.5216	-0.0077	0.940079
<i>Sfr1</i>	chr19:47731755-47735588	53.9833	53.4074	-0.0155	0.912366
<i>Dars</i>	chr1:128363707-128417416	54.2473	54.0975	-0.0040	0.954768
<i>Gm22357</i>	chr1:161036056-161036139	351.7580	349.1657	-0.0107	0.883497
<i>Tmco1</i>	chr1:167308669-167333978	8.2574	8.5325	0.0473	0.642755
<i>Eid1</i>	chr2:125673099-125675638	25.6517	25.4482	-0.0115	0.915052
<i>Thoc5</i>	chr11:4895319-4928867	22.1496	22.8547	0.0452	0.606075
<i>Bub1b</i>	chr2:118598210-118641591	2.8537	2.7650	-0.0455	0.883378
<i>Traj12</i>	chr14:54206552-54206610	188.2437	198.2277	0.0746	0.731037
<i>Kctd4</i>	chr14:75955002-75965217	1.4719	1.5661	0.0895	0.735681
<i>Strn</i>	chr17:78649912-78737196	16.5837	16.6231	0.0034	0.927097
<i>Canx</i>	chr11:50293960-50325673	79.8868	79.8631	-0.0004	0.994170
<i>Unc119</i>	chr11:78343481-78349164	3.7868	3.9585	0.0640	0.705362
<i>Dyrk1b</i>	chr7:28179468-28187294	3.5947	3.5575	-0.0150	0.878256
<i>Scamp2</i>	chr9:57560943-57588797	27.6107	27.6001	-0.0006	0.992694
<i>9930014A18Rik</i>	chr15:60822964-60831793	2.2321	2.3306	0.0623	0.605394
<i>Paxbp1</i>	chr16:91014036-91044543	36.7935	36.8547	0.0024	0.956754
<i>A130010J15Rik</i>	chr1:193168048-193177832	23.1609	23.8144	0.0401	0.566325
<i>Gabpb1</i>	chr2:126627441-126676337	9.3991	9.4090	0.0015	0.967035
<i>Mdn1</i>	chr4:32657118-32775217	27.4031	28.3279	0.0479	0.694515
<i>Tspan13</i>	chr12:36014556-36042500	42.7620	42.3365	-0.0144	0.916511
<i>Cebpg</i>	chr7:35046421-35056503	15.7133	16.1596	0.0404	0.535653
<i>Serhl</i>	chr15:83089505-83116674	3.8384	3.9664	0.0473	0.645638
<i>Pias2</i>	chr18:77065207-77155708	15.5965	16.0231	0.0389	0.454817
<i>Epg5</i>	chr18:77938466-78035027	13.7881	13.7991	0.0012	0.986197
<i>Nasp</i>	chr4:116601051-116627941	10.9498	10.8823	-0.0089	0.931000
<i>Nup85</i>	chr11:115564433-115583985	20.3795	20.3675	-0.0008	0.981349
<i>Hook2</i>	chr8:84990594-85003364	2.3201	2.4406	0.0730	0.717798
<i>Syap1</i>	chrX:162857056-162888447	18.4833	19.0588	0.0442	0.609591
<i>Ripk3</i>	chr14:55784995-55788857	17.9827	17.9198	-0.0051	0.927843
<i>Gm15879</i>	chr16:4032838-4037847	4.7276	4.6012	-0.0391	0.832801
<i>4632404H12Rik</i>	chr3:89767510-89773240	7.8501	8.1131	0.0475	0.520877
<i>Hps5</i>	chr7:46760465-46796064	12.7110	13.0776	0.0410	0.519162
<i>Mfhas1</i>	chr8:35587797-35679449	14.6486	14.6313	-0.0017	0.984122
<i>Pnp</i>	chr14:50944301-50965237	6.4966	6.4272	-0.0155	0.882351
<i>Polq</i>	chr16:37011785-37095417	1.5933	1.6600	0.0591	0.699347

<i>Ccnt2</i>	chr1:127774163-127808061	18.2148	18.2249	0.0008	0.990601
<i>Asap2</i>	chr12:21111747-21270171	2.3740	2.4708	0.0577	0.648477
<i>Mblac2</i>	chr13:81711416-81753275	3.8929	3.8429	-0.0186	0.867765
<i>Slc35f6</i>	chr5:30647932-30659731	9.4214	9.3296	-0.0141	0.909887
<i>Nagk</i>	chr6:83794981-83803420	4.8790	5.0481	0.0492	0.308217
<i>Gpr19</i>	chr6:134869092-134897925	3.2338	3.3797	0.0637	0.718679
<i>Isoc2a</i>	chr7:4877052-4895717	10.3245	10.7783	0.0621	0.672367
<i>Zranb1</i>	chr7:132931141-132986391	22.2482	22.2303	-0.0012	0.984858
<i>Vps37a</i>	chr8:40511782-40551134	14.2287	14.2108	-0.0018	0.977679
<i>Coq9</i>	chr8:94838320-94854895	12.4559	12.4241	-0.0037	0.944476
<i>Hsf1</i>	chr15:76477444-76500972	24.4503	24.4106	-0.0023	0.977573
<i>Ube2e1</i>	chr14:18282721-18331859	5.8007	5.7518	-0.0122	0.899953
<i>Sacs</i>	chr14:61138456-61240695	17.6076	17.5904	-0.0014	0.985840
<i>Slc25a37</i>	chr14:69241850-69285103	8.0842	8.0680	-0.0029	0.960644
<i>Gm13546</i>	chr2:58164000-58177063	8.0982	8.4548	0.0622	0.728914
<i>S100a13</i>	chr3:90514434-90524581	42.9579	41.9417	-0.0345	0.882772
<i>Hist2h4</i>	chr3:96261703-96263311	34.7092	33.3799	-0.0563	0.832554
<i>Sigmar1</i>	chr4:41738492-41756157	8.5306	8.8176	0.0477	0.555365
<i>Rps7</i>	chr12:28630846-28635953	11.0081	10.8443	-0.0216	0.876493
<i>Gcsh</i>	chr8:116981809-116993537	4.9974	4.9150	-0.0240	0.802265
<i>Cox7a2</i>	chr9:79755240-79759853	63.0256	62.1119	-0.0211	0.903414
<i>Arl13b</i>	chr16:62793684-62847040	4.1763	4.3126	0.0463	0.546921
<i>Gm20538</i>	chr19:44543721-44552831	47.8222	47.2662	-0.0169	0.858332
<i>Tmed5</i>	chr5:108106365-108132620	13.1470	13.5689	0.0456	0.704550
<i>Phf14</i>	chr6:11907808-12081197	21.7991	22.3458	0.0357	0.370908
<i>C2cd5</i>	chr6:143010919-143100107	17.7879	18.2959	0.0406	0.563517
<i>Tmc3</i>	chr7:83584926-83625614	1.6119	1.6767	0.0569	0.629747
<i>Pcyt1a</i>	chr16:32430920-32475070	4.4209	4.3980	-0.0075	0.907332
<i>Cox17</i>	chr16:38346990-38352763	8.9511	9.2100	0.0411	0.571094
<i>Lin9</i>	chr1:180641149-180690518	7.8373	8.0834	0.0446	0.549220
<i>Snap23</i>	chr2:120567670-120601255	8.1275	8.0599	-0.0120	0.906429
<i>1110032F04Rik</i>	chr3:68869585-68872163	5.8035	6.0521	0.0605	0.749232
<i>Skp1a</i>	chr11:52231994-52246858	70.3850	69.5246	-0.0177	0.916149
<i>Ftsj2</i>	chr5:140327673-140331898	5.8498	5.7558	-0.0234	0.852439
<i>Opa3</i>	chr7:19228333-19256543	8.0919	8.0759	-0.0029	0.971560
<i>Polr2l</i>	chr7:141471859-141475132	4.0825	4.0065	-0.0271	0.861348
<i>Foxred2</i>	chr15:77940521-77956722	2.3871	2.3548	-0.0197	0.892047
<i>Capn7</i>	chr14:31336637-31371986	38.1764	38.1022	-0.0028	0.972338
<i>5830428H23Rik</i>	chr19:61053839-61140840	10.9218	11.2214	0.0390	0.373902
<i>Gm15675</i>	chr1:130429780-130437191	7.7764	8.1096	0.0605	0.765840
<i>Gm12966</i>	chr4:129899092-129899902	15.2588	15.8648	0.0562	0.637729
<i>Myeov2</i>	chr1:92637144-92641985	17.3834	18.0200	0.0519	0.689021
<i>Drg1</i>	chr11:3187359-3266415	24.0680	23.9409	-0.0076	0.935944
<i>Snora73b</i>	chr4:132352321-132352526	923.1238	879.9721	-0.0691	0.825778
<i>Med29</i>	chr7:28386145-28392708	3.9813	4.1841	0.0717	0.590672
<i>Eif1b</i>	chr9:120492605-120495327	45.5554	45.0284	-0.0168	0.907693
<i>Mre11a</i>	chr9:14784653-14837123	12.0393	12.3672	0.0388	0.464363
<i>Uhmk1</i>	chr1:170193419-170215397	33.6479	34.4762	0.0351	0.418526
<i>Acot13</i>	chr13:24817947-24831517	22.3888	23.2782	0.0562	0.691484
<i>Gm17690</i>	chr3:96167463-96172414	5.3625	5.3022	-0.0163	0.889425
<i>Klhl3</i>	chr13:58004220-58113592	4.5594	4.5327	-0.0085	0.905927
<i>C1qbp</i>	chr11:70977835-70983026	12.1953	12.6012	0.0472	0.579991
<i>Commd9</i>	chr2:101886246-101901646	6.4445	6.3717	-0.0164	0.761035
<i>Tmed3</i>	chr9:89699202-89705043	15.1759	15.7200	0.0508	0.690810
<i>Socs5</i>	chr17:87107678-87137583	4.1674	4.3179	0.0512	0.629733
<i>Ncor1</i>	chr11:62316425-62458541	49.8931	51.2482	0.0387	0.566284
<i>Elmsan1</i>	chr12:84149175-84218881	11.2829	11.2215	-0.0079	0.955672
<i>Zfp260</i>	chr7:30094776-30107622	27.4154	28.1772	0.0395	0.612408
<i>Ebp</i>	chrX:8185328-8193512	17.6199	17.5161	-0.0085	0.922358
<i>Ddx59</i>	chr1:136415270-136440158	7.2476	7.4854	0.0466	0.569631
<i>Ccnc</i>	chr4:21727700-21759922	9.1059	9.0162	-0.0143	0.916329
<i>Plin2</i>	chr4:86648385-86670060	2.9881	2.9430	-0.0220	0.899025
<i>NA</i>	chr18:36671159-36679366	23.0766	23.8059	0.0449	0.616211
<i>Jak3</i>	chr8:71676295-71690575	31.0572	32.4346	0.0626	0.784326
<i>Zcchc24</i>	chr14:25711639-25768856	1.2627	1.3270	0.0717	0.609024
<i>Gm25117</i>	chr10:111481492-111481636	41.7595	44.2777	0.0845	0.803908
<i>Irf1</i>	chr11:53770013-53778374	128.4174	132.4912	0.0451	0.674938
<i>Zfp429</i>	chr13:67389308-67399767	12.5469	12.9229	0.0426	0.438559
<i>Rpl21</i>	chr5:146832889-146837032	8.9538	8.9205	-0.0054	0.924952
<i>Trappc4</i>	chr9:44403760-44407548	29.7227	29.5287	-0.0094	0.915872
<i>Pibf1</i>	chr14:99099432-99254493	9.6037	9.9047	0.0445	0.569900

<i>Rprd1b</i>	chr2:158028496-158132297	6.5586	6.5554	-0.0007	0.989114
<i>2810455O05Rik</i>	chr8:123838552-123840785	3.5429	3.7315	0.0748	0.633714
<i>Slc30a7</i>	chr3:115938972-116007406	15.4256	15.8496	0.0391	0.569763
<i>Cisd1</i>	chr10:71330479-71344954	5.7355	6.0456	0.0760	0.719411
<i>Irgm2</i>	chr11:58199617-58222779	45.3890	46.7598	0.0429	0.656504
<i>Map2k4</i>	chr11:65688242-65788297	10.8240	11.1488	0.0427	0.611851
<i>Isoc2b</i>	chr7:4844958-4866193	5.5158	5.7716	0.0654	0.717490
<i>Upf3a</i>	chr8:13785614-13798538	20.8215	20.6576	-0.0114	0.916886
<i>Csgalnact1</i>	chr8:68356780-68735146	0.9173	0.8979	-0.0308	0.839636
<i>Atp5g1</i>	chr11:96068851-96075670	1.4354	1.4056	-0.0302	0.841887
<i>Gm17036</i>	chr18:6213912-6227324	34.8398	36.2250	0.0562	0.674752
<i>8030462N17Rik</i>	chr18:77633280-77714010	17.2170	17.1850	-0.0027	0.962636
<i>Bola3</i>	chr6:83349146-83360136	5.2640	5.4628	0.0535	0.698302
<i>Mcat</i>	chr15:83546796-83555711	10.8139	10.6968	-0.0157	0.909123
<i>Tuba1b</i>	chr15:98931424-98934565	4.3525	4.2739	-0.0263	0.897406
<i>Grasp</i>	chr15:101224206-101232755	2.8208	2.9639	0.0714	0.717630
<i>Slc35b3</i>	chr13:38932139-38960875	29.8941	29.8636	-0.0015	0.981155
<i>Stk3</i>	chr15:34875495-35155806	3.2210	3.1809	-0.0181	0.863476
<i>1110004E09Rik</i>	chr16:90925808-90934927	8.8040	9.1617	0.0575	0.667286
<i>Ramp2</i>	chr11:101246027-101259546	10.0205	10.3376	0.0449	0.563015
<i>Whamm</i>	chr7:81571291-81596836	13.4919	13.9217	0.0452	0.605335
<i>Slc37a2</i>	chr9:37229148-37255738	2.1856	2.2965	0.0713	0.800822
<i>B930036N10Rik</i>	chr1:171500567-171504111	2.6977	2.8371	0.0727	0.804631
<i>Ift81</i>	chr5:122550203-122614518	1.2297	1.2908	0.0699	0.666394
<i>Cd6</i>	chr19:10789340-10830058	135.7403	135.2676	-0.0050	0.965759
<i>Irgb1bp1</i>	chr12:21240824-21286237	12.0385	11.9232	-0.0139	0.916106
<i>Gtpbp4</i>	chr13:8972070-8996017	37.8501	37.7655	-0.0032	0.966353
<i>Gm20939</i>	chr17:94873985-94877497	3.9164	4.0883	0.0619	0.674303
<i>Ncf4</i>	chr15:78244800-78262580	18.3650	18.9812	0.0476	0.720979
<i>Tm9sf1</i>	chr14:55635964-55643806	15.7195	15.7243	0.0004	0.993395
<i>Emc7</i>	chr2:112454996-112472162	9.4902	9.4466	-0.0066	0.942258
<i>Top3a</i>	chr11:60740057-60777365	8.8817	9.1372	0.0409	0.426730
<i>Cdkl3</i>	chr11:52004220-52089784	1.9055	1.8823	-0.0177	0.819015
<i>Mir3064</i>	chr11:106782692-106782759	437.9982	453.4482	0.0500	0.705145
<i>Cln5</i>	chrX:7153809-7319358	0.8563	0.8477	-0.0145	0.856842
<i>Rnpep</i>	chr1:135262711-135284084	10.0581	10.0227	-0.0051	0.953102
<i>Itdg6</i>	chr2:71745615-71858416	38.3175	39.4263	0.0412	0.679216
<i>Il6ra</i>	chr3:89869323-89913162	75.6538	75.6949	0.0008	0.992278
<i>Tnfrsf25</i>	chr4:152115933-152120119	32.5089	33.6421	0.0494	0.752459
<i>Ttc38</i>	chr15:85832305-85858822	14.6385	14.6531	0.0014	0.954652
<i>Plekhh1</i>	chr12:79029162-79081648	2.3051	2.3904	0.0524	0.680449
<i>Gnpnat1</i>	chr14:45376333-45388802	6.5593	6.5017	-0.0127	0.878870
<i>Tmem167</i>	chr13:90089122-90143907	8.9682	9.1984	0.0366	0.522621
<i>Gimap7</i>	chr6:48718620-48724636	76.1432	79.2934	0.0585	0.785681
<i>Pgap2</i>	chr7:102210207-102238567	6.1364	6.3337	0.0457	0.542961
<i>Ap2b1</i>	chr11:83299023-83405035	23.4709	24.0762	0.0367	0.465804
<i>Stk38l</i>	chr6:146724994-146778812	2.9734	3.0955	0.0581	0.641559
<i>H2-T23</i>	chr17:36029772-36032855	108.3185	107.8543	-0.0062	0.960300
<i>Rasgrp2</i>	chr19:6399339-6415216	34.0165	33.9530	-0.0027	0.978822
<i>Srr</i>	chr11:74906358-74925948	12.4111	12.7654	0.0406	0.497752
<i>Tle3</i>	chr9:61372365-61418497	20.9300	20.9096	-0.0014	0.989171
<i>Vegfb</i>	chr19:6982472-6987651	3.2894	3.4339	0.0620	0.468362
<i>Immp1l</i>	chr2:105904637-105965558	11.1138	10.8846	-0.0301	0.887145
<i>Sirt3</i>	chr7:140863669-140882309	4.4406	4.6578	0.0689	0.639784
<i>Atg5</i>	chr10:44268357-44364291	18.2426	18.0951	-0.0117	0.928147
<i>A630072L19Rik</i>	chr12:100941741-100949875	11.2555	11.5958	0.0430	0.599394
<i>Dtnbp1</i>	chr13:44922078-45002096	12.1226	12.5532	0.0504	0.669587
<i>Thoc7</i>	chr14:13949013-13961225	45.7244	47.2484	0.0473	0.709179
<i>Exosc1</i>	chr19:41922979-41933314	18.6289	18.5070	-0.0095	0.928539
<i>Ppwd1</i>	chr13:104205120-104228844	11.6287	11.9996	0.0453	0.568948
<i>Cstb</i>	chr10:78425669-78427619	26.2018	25.8275	-0.0208	0.888675
<i>Rybp</i>	chr6:100228565-100287441	3.8252	3.9629	0.0510	0.612461
<i>Ptk2</i>	chr15:73205104-73423191	1.2095	1.1678	-0.0507	0.877537
<i>2700060E02Rik</i>	chr14:19811401-19823823	31.7699	31.3759	-0.0180	0.915199
<i>Nubp1</i>	chr16:10411947-10424428	18.5300	18.5325	0.0002	0.997021
<i>Nhlrc3</i>	chr3:53448587-53463323	6.9983	7.1959	0.0402	0.487560
<i>1810058I24Rik</i>	chr6:35252653-35263496	5.0235	5.2048	0.0511	0.582063
<i>Plk-ps1</i>	chr5:35554183-35555971	2.5055	2.4553	-0.0292	0.812559
<i>Mphosph8</i>	chr14:56668247-56697430	14.8166	15.2636	0.0429	0.667318
<i>Pgam2</i>	chr11:5801639-5803733	7.4400	7.3304	-0.0214	0.884280
<i>Kif16b</i>	chr2:142617473-142901531	10.6757	10.6768	0.0001	0.998453

<i>Fkbp1a</i>	chr2:151542482-151561692	14.3909	14.3416	-0.0049	0.967572
<i>Siva1</i>	chr12:112644827-112649152	6.0908	5.9193	-0.0412	0.831244
<i>Lrrc40</i>	chr3:158036661-158068478	6.6973	6.6571	-0.0087	0.931707
<i>Rbmx</i>	chrX:57383529-57393036	45.6699	45.6578	-0.0004	0.995915
<i>Ltv1</i>	chr10:13178639-13193137	28.1439	28.0247	-0.0061	0.947746
<i>Fam26f</i>	chr10:34126068-34127972	11.9029	12.3182	0.0495	0.678052
<i>Ipmk</i>	chr10:71347762-71433327	4.4338	4.5728	0.0445	0.645993
<i>Myo1g</i>	chr11:6506547-6520965	49.5455	49.6254	0.0023	0.973128
<i>Ahsa2</i>	chr11:23487881-23498030	21.9220	21.9101	-0.0008	0.992727
<i>Gm11723</i>	chr11:117783325-117785055	19.2674	18.9750	-0.0221	0.913239
<i>Med6</i>	chr12:81573556-81595008	15.2801	15.1847	-0.0090	0.895889
<i>Hist1h4j</i>	chr13:21735061-21735837	11.8699	11.4258	-0.0550	0.878866
<i>Ctla2a</i>	chr13:60934154-60936625	3.6745	3.8544	0.0690	0.796369
<i>Fam169a</i>	chr13:97067286-97129521	1.1380	1.1923	0.0671	0.635195
<i>Smim20</i>	chr5:53267105-53283510	4.3661	4.5043	0.0450	0.695410
<i>Gm15708</i>	chr5:144277060-144280513	23.8216	24.6751	0.0508	0.746117
<i>Lrmp</i>	chr6:145115652-145174934	26.0319	26.8146	0.0427	0.726769
<i>Nosip</i>	chr7:45062428-45078503	14.9164	14.8711	-0.0044	0.958041
<i>Pagr1b</i>	chr7:127001479-127016484	46.6245	46.4609	-0.0051	0.947868
<i>Ash2l</i>	chr8:25816190-25847694	16.9062	16.9076	0.0001	0.998176
<i>Inpp4b</i>	chr8:81342555-82125036	96.1068	98.3511	0.0333	0.511735
<i>Ap1g1</i>	chr8:109778553-109861358	19.4391	19.4799	0.0030	0.955095
<i>Commd4</i>	chr9:57155040-57158299	47.6580	47.5547	-0.0031	0.963862
<i>Zbtb38</i>	chr9:96682762-96752831	9.6131	9.8784	0.0393	0.655759
<i>Amigo3</i>	chr9:108053158-108055701	5.7986	6.0543	0.0623	0.720614
<i>Cul4b</i>	chrX:38533273-38576196	18.7954	19.3031	0.0385	0.591292
<i>Tsr2</i>	chrX:151087093-151096543	7.1580	7.3584	0.0398	0.369395
<i>Fancb</i>	chrX:164980591-164997272	2.4346	2.3892	-0.0272	0.829759
<i>Z610037D02Rik</i>	chr15:96134818-96283608	1.2184	1.1964	-0.0263	0.811639
<i>R3hcc1</i>	chr14:69697306-69707584	7.9095	7.8490	-0.0111	0.927737
<i>Ubxn6</i>	chr17:56067044-56075028	12.8422	12.8477	0.0006	0.989651
<i>Btrc</i>	chr19:45363733-45533341	3.3740	3.4881	0.0480	0.596492
<i>Map4k4</i>	chr1:39900912-40026310	65.9705	66.1654	0.0043	0.943366
<i>Ankrd44</i>	chr1:54645339-54926387	42.5679	42.7185	0.0051	0.920337
<i>Ube2f</i>	chr1:91250310-91288877	6.1710	6.3676	0.0452	0.619562
<i>Z310035C23Rik</i>	chr1:105663860-105755131	27.5587	27.6624	0.0054	0.875425
<i>Ier3ip1</i>	chr18:76930016-76941605	20.3010	21.0944	0.0553	0.768328
<i>Epc2</i>	chr2:49451485-49551948	29.6606	30.3680	0.0340	0.436656
<i>Snapin</i>	chr3:90488025-90491033	29.5452	30.4126	0.0417	0.684021
<i>Trmt10b</i>	chr4:45297126-45316131	6.9980	7.2343	0.0479	0.720282
<i>Hsd1l2</i>	chr4:59581562-59618689	13.9034	14.3276	0.0434	0.670493
<i>Tmem59</i>	chr4:107178398-107200996	48.4188	48.4853	0.0020	0.962441
<i>Sesn2</i>	chr4:132492031-132510501	1.8858	1.9800	0.0703	0.734096
<i>Cdc42</i>	chr4:137319695-137357720	194.4110	193.3866	-0.0076	0.949776
<i>Tmem201</i>	chr4:149715374-149738044	3.2258	3.3510	0.0549	0.736942
<i>Aurkaip1</i>	chr4:155831271-155833130	34.4771	35.4585	0.0405	0.647062
<i>Acap3</i>	chr4:155891821-155907251	7.4277	7.4171	-0.0021	0.982211
<i>Taf1d</i>	chr9:15306213-15312104	55.0628	56.6308	0.0405	0.682434
<i>S100pbbp</i>	chr4:129148004-129189727	9.8964	10.1608	0.0380	0.593411
<i>Z493052L14Rik</i>	chr5:109735989-109751886	6.3634	6.5680	0.0457	0.582288
<i>Ankrd26</i>	chr6:118502563-118562256	6.9981	6.9793	-0.0039	0.965453
<i>Arfp1</i>	chr3:84496092-85887516	19.2761	19.2179	-0.0044	0.959730
<i>Ube2g2</i>	chr10:77622274-77645993	16.2198	16.1927	-0.0024	0.963101
<i>Arl1</i>	chr10:88730857-88744094	11.5365	11.9242	0.0477	0.752070
<i>Ap5z1</i>	chr5:142463930-142478715	9.1722	9.1470	-0.0040	0.973522
<i>Nkap</i>	chrX:37126794-37150746	10.4125	10.3416	-0.0099	0.929862
<i>Z530082P21Rik</i>	chr17:23743233-23754065	2.8649	2.8377	-0.0137	0.926676
<i>Ube2z</i>	chr11:96047431-96065388	22.9229	22.9223	0.0000	0.999616
<i>Sntb2</i>	chr8:106935749-107014192	4.9341	4.8885	-0.0134	0.932900
<i>Zfp830</i>	chr11:82764344-82767622	14.9149	14.8905	-0.0024	0.972399
<i>Nptxr</i>	chr15:79786351-79834333	1.3496	1.3323	-0.0187	0.905486
<i>Rassf2</i>	chr2:131989414-132030258	33.2065	33.2955	0.0039	0.943972
<i>Ccdc12</i>	chr9:110656502-110711590	30.3392	30.2229	-0.0055	0.938520
<i>Zyx</i>	chr6:42349827-42360146	14.0890	14.6137	0.0528	0.752606
<i>E2f4</i>	chr8:105297662-105305369	22.5759	23.2923	0.0451	0.632664
<i>Vamp7-ps</i>	chr2:174046618-174047273	8.3111	8.6937	0.0649	0.758513
<i>Nanos1</i>	chr19:60755986-60759913	6.9230	6.8572	-0.0138	0.934054
<i>Acbd5</i>	chr2:23068167-23114510	16.0966	16.5356	0.0388	0.648842
<i>Snora23</i>	chr7:110046363-110046547	106.3212	101.1451	-0.0720	0.851967
<i>Prcp</i>	chr7:92875252-92934573	4.5736	4.7494	0.0544	0.752975
<i>Ap3s1</i>	chr18:46741916-46790826	6.1955	6.0619	-0.0315	0.885276

<i>Timm17a</i>	chr1:135301531-135313778	14.6756	15.1592	0.0468	0.689431
<i>Atxn2</i>	chr5:121711336-121816493	4.9835	5.1600	0.0502	0.700377
<i>H2-Ob</i>	chr17:34238902-34245907	19.6470	19.5198	-0.0094	0.943303
<i>Uqcc3</i>	chr19:8880015-8880933	44.0638	43.7641	-0.0098	0.934083
<i>Stx2</i>	chr5:128984556-129008574	2.9881	3.0972	0.0517	0.620061
<i>Tbc1d23</i>	chr16:57168865-57231466	16.7955	17.2205	0.0360	0.427124
<i>Rnf6</i>	chr5:146209191-146221555	26.1447	26.8380	0.0378	0.603202
<i>Gm26904</i>	chr17:46471500-46825221	6.1084	6.0445	-0.0152	0.935513
<i>Lyrn4</i>	chr13:35978796-36117357	8.1969	8.4822	0.0494	0.685884
<i>Vhl</i>	chr6:113623958-113631633	12.4922	12.8399	0.0396	0.613456
<i>Shhg5</i>	chr9:88521051-88522929	35.2665	36.2599	0.0401	0.622432
<i>Gm19705</i>	chr1:136670768-136690804	7.7226	7.9814	0.0476	0.446622
<i>C630016N16Rik</i>	chr7:30729578-30745929	6.3996	6.6869	0.0634	0.712675
<i>A1987944</i>	chr7:41373771-41393260	18.4113	18.3206	-0.0071	0.934485
<i>Pdcd1</i>	chr7:141408134-141414136	18.0494	18.5915	0.0427	0.694815
<i>Tpcn2</i>	chr7:145253922-145283927	7.0244	7.2624	0.0481	0.655470
<i>Thyn1</i>	chr9:26999676-27007330	32.8157	33.7793	0.0418	0.644950
<i>Hdac7</i>	chr15:97792663-97844502	17.1997	17.8140	0.0506	0.760788
<i>Taf1a</i>	chr1:183388980-183409353	14.2835	14.1921	-0.0093	0.899950
<i>Gnpda1</i>	chr18:38327557-38339003	7.3388	7.3168	-0.0043	0.939756
<i>Atp9b</i>	chr18:80734142-80934058	31.4876	31.5855	0.0045	0.933762
<i>Tmem87a</i>	chr2:120355311-120404113	21.4848	21.5241	0.0026	0.964351
<i>Rpl32</i>	chr6:115805504-115808747	570.6508	600.4701	0.0735	0.760372
<i>Prkaa1</i>	chr15:5143860-5181899	20.4840	20.4236	-0.0043	0.965083
<i>Phospho2</i>	chr2:69789622-69800005	11.7695	11.7083	-0.0075	0.943179
<i>Dtwd1</i>	chr2:126152140-126165279	5.1428	5.3599	0.0597	0.752653
<i>Dpm1</i>	chr2:168209047-168230591	8.1501	8.3880	0.0415	0.707870
<i>Il11ra1</i>	chr4:41699988-41769474	1.6163	1.6890	0.0634	0.615131
<i>Aamad2</i>	chr7:97550330-97579497	6.7892	6.6805	-0.0233	0.891256
<i>Ndufaf2</i>	chr13:108052589-108158625	6.3703	6.6934	0.0714	0.657333
<i>Gm15567</i>	chr7:27249262-27257932	2.7714	2.8950	0.0629	0.691964
<i>2810403D21Rik</i>	chrX:108834477-108974906	1.0093	1.0506	0.0579	0.755810
<i>Ifit2</i>	chr19:34550693-34576419	34.8930	35.8740	0.0400	0.692044
<i>Pkd2l2</i>	chr18:34409422-34442789	8.6690	8.9704	0.0493	0.697162
<i>Hist1h2bm</i>	chr13:21722097-21722478	14.1719	14.9716	0.0792	0.847190
<i>Fam136a</i>	chr6:86365682-86370057	12.6189	13.0232	0.0455	0.734278
<i>Arhgdib</i>	chr6:136923522-136941899	343.7938	341.8583	-0.0081	0.957481
<i>Gm26865</i>	chr18:4373668-4379980	2.7692	2.7308	-0.0201	0.908112
<i>Exosc10</i>	chr4:148558428-148582401	39.5893	39.7288	0.0051	0.908837
<i>O610010K14Rik</i>	chr11:70235205-70237914	15.3620	15.8650	0.0465	0.713126
<i>Rpf2</i>	chr10:40223245-40247036	15.4965	15.3599	-0.0128	0.921683
<i>Lrrc14b</i>	chr13:74359577-74364005	2.5283	2.6443	0.0647	0.637164
<i>Smc1a</i>	chrX:152016427-152062694	51.5397	51.6670	0.0036	0.948168
<i>Tmx4</i>	chr2:134594184-134644145	6.7837	6.9606	0.0371	0.594756
<i>Zfp341</i>	chr2:154613296-154646821	1.4758	1.4545	-0.0210	0.895456
<i>Agpat3</i>	chr10:78269177-78352489	18.6523	19.1533	0.0382	0.630572
<i>Spin1</i>	chr13:51100879-51152546	15.7994	16.2173	0.0377	0.602417
<i>Rpl10</i>	chrX:74270811-74273135	23.4210	23.3566	-0.0040	0.967422
<i>Fam118a</i>	chr15:85037061-85062828	16.3975	16.3871	-0.0009	0.987409
<i>Rexo1</i>	chr10:80540921-80561560	9.9479	9.9309	-0.0025	0.984210
<i>Noc4l</i>	chr5:110648417-110653417	10.8309	11.1943	0.0476	0.673485
<i>Phf10</i>	chr17:14945008-14961273	14.3349	14.3184	-0.0017	0.982815
<i>Rasal3</i>	chr17:32390658-32403583	118.8748	118.8679	-0.0001	0.999359
<i>Ppp1r10</i>	chr17:35916433-35932281	23.7254	23.7540	0.0017	0.983340
<i>Trappc1</i>	chr11:69323979-69325793	22.0445	22.7359	0.0445	0.720681
<i>Tsen34</i>	chr7:3693374-3701023	3.9559	4.0910	0.0484	0.512223
<i>Phlpp2</i>	chr8:109868541-109944671	0.8074	0.8503	0.0746	0.800870
<i>Mitd1</i>	chr1:37874800-37890411	33.4647	34.4084	0.0401	0.732754
<i>Mga</i>	chr2:119897227-119969581	24.6836	25.2655	0.0336	0.519611
<i>Homer1</i>	chr13:93303756-93404129	2.8624	2.9564	0.0466	0.706737
<i>Ndufa3</i>	chr7:3617372-3620163	59.9141	59.2513	-0.0160	0.931360
<i>Tmem60</i>	chr5:20882190-20886870	12.3243	12.7412	0.0480	0.734359
<i>Chmp3</i>	chr6:71543796-71582609	34.8131	34.7926	-0.0009	0.990842
<i>Ibtk</i>	chr9:85687360-85749334	28.6821	28.7890	0.0054	0.883340
<i>Hyal2</i>	chr9:107569116-107572776	3.1277	3.2602	0.0598	0.644993
<i>Rps3a1</i>	chr3:86137939-86142702	113.4469	117.3386	0.0487	0.783676
<i>Sarnp</i>	chr10:128821770-128877638	12.1599	11.9774	-0.0218	0.908201
<i>Pnpla8</i>	chr12:44221369-44312343	13.7463	13.7229	-0.0025	0.974640
<i>Pgm2l1</i>	chr7:100227393-100278868	6.0968	6.2730	0.0411	0.689981
<i>Gpatch2l</i>	chr12:86241889-86291414	17.9418	17.9896	0.0038	0.923193
<i>Zfp287</i>	chr11:62700355-62731905	7.0493	7.2482	0.0401	0.633121

<i>Map1c3b</i>	chr8:121590360-121598760	9.3144	9.5604	0.0376	0.580743
<i>Mrps9</i>	chr1:42851232-42905682	35.8373	36.7265	0.0354	0.438519
<i>Gm17711</i>	chr10:18011267-18011505	131.5055	129.6394	-0.0206	0.920763
<i>Map7</i>	chr10:20148470-20281589	7.8921	8.3661	0.0841	0.773018
<i>Ppa1</i>	chr10:61648551-61674168	10.8895	11.2344	0.0450	0.713802
<i>A230046K03Rik</i>	chr10:83543940-83596469	40.1339	41.1289	0.0353	0.641122
<i>Gm17249</i>	chr10:84619331-84622578	3.4364	3.5593	0.0507	0.732933
<i>Apaf1</i>	chr10:90989310-91082770	8.5054	8.7274	0.0372	0.651783
<i>F420014N23Rik</i>	chr10:127195248-127202643	4.0581	4.2225	0.0573	0.775221
<i>Wdr92</i>	chr11:17182106-17233796	22.6177	23.1848	0.0357	0.501295
<i>Pnpt1</i>	chr11:29130743-29161828	28.0912	28.0651	-0.0013	0.987819
<i>Ulk2</i>	chr11:61775648-61855073	14.8203	14.8447	0.0024	0.970564
<i>Slc25a35</i>	chr11:68968130-68974365	1.4871	1.4622	-0.0243	0.898666
<i>Gm21988</i>	chr11:70235205-70239830	22.3077	22.2278	-0.0052	0.968416
<i>Znhit3</i>	chr11:84910949-84916366	4.6023	4.7600	0.0486	0.715703
<i>Zbtb25</i>	chr12:76347781-76369602	8.2144	8.4601	0.0425	0.568298
<i>Gphn</i>	chr12:78226654-78684767	5.1558	5.3197	0.0451	0.619792
<i>Lin52</i>	chr12:84451507-84531533	4.5628	4.5114	-0.0163	0.867688
<i>Hist1h2ai</i>	chr13:21716411-21717452	7.1035	6.8787	-0.0464	0.884783
<i>Snrnp48</i>	chr13:38204938-38227663	35.7313	35.7460	0.0006	0.991527
<i>Msh3</i>	chr13:92211880-92355003	17.6870	17.6857	-0.0001	0.998933
<i>Cdk7</i>	chr13:100697026-100730942	8.4714	8.4854	0.0024	0.959887
<i>Itga2</i>	chr13:114835915-114932041	1.1306	1.1082	-0.0289	0.838965
<i>Rab28</i>	chr5:41624975-41708155	10.6753	10.5981	-0.0105	0.913444
<i>NA</i>	chr5:73193827-73256588	18.7659	19.2777	0.0388	0.600002
<i>Cep135</i>	chr5:76588697-76646466	11.1402	11.1653	0.0032	0.956201
<i>Gm15777</i>	chr5:100670858-100678105	6.6777	7.0014	0.0683	0.721146
<i>BC005561</i>	chr5:104508351-104522383	10.1227	10.1173	-0.0008	0.991978
<i>Tmem116</i>	chr5:121451892-121524183	2.7379	2.7094	-0.0151	0.912426
<i>Acad10</i>	chr5:121621025-121660514	2.7369	2.7179	-0.0100	0.938518
<i>Slc12a9</i>	chr5:137314557-137333597	3.8879	4.0094	0.0444	0.489623
<i>Mrp135</i>	chr6:71813002-71823810	6.4013	6.3611	-0.0091	0.934152
<i>Vamp8</i>	chr6:72385222-72390703	27.1688	27.9879	0.0429	0.738295
<i>Aldh11</i>	chr6:90486426-90600203	0.9683	1.0200	0.0750	0.764982
<i>Ldhd</i>	chr6:142490248-142507957	7.7333	8.0468	0.0573	0.743351
<i>Zfp446</i>	chr7:12977847-12984340	1.7565	1.8328	0.0613	0.725407
<i>Cd3eap</i>	chr7:19356848-19359483	11.0245	10.9821	-0.0056	0.957872
<i>Pde8a</i>	chr7:81213595-81334533	2.4302	2.4086	-0.0128	0.939732
<i>Gm26981</i>	chr7:92729839-92733748	8.7631	9.0115	0.0403	0.633781
<i>Mtg1</i>	chr7:140137563-140150786	3.5827	3.5481	-0.0140	0.926336
<i>Golga7</i>	chr8:23241352-23257074	11.3660	11.2948	-0.0091	0.937594
<i>Gm26768</i>	chr8:34094547-34096149	12.4779	12.9092	0.0490	0.649086
<i>Prmt10</i>	chr8:77549396-77581338	11.0011	11.0225	0.0028	0.946938
<i>Ldhd</i>	chr8:111623784-111630374	4.5368	4.6964	0.0499	0.748007
<i>Zfp1</i>	chr8:111643442-111671008	18.1090	18.6166	0.0399	0.692622
<i>Rpusd4</i>	chr9:35267864-35277731	13.0317	13.3820	0.0383	0.339462
<i>Rnf111</i>	chr9:70425428-70503725	22.0425	22.1078	0.0043	0.954649
<i>Nat6</i>	chr9:107578886-107584048	3.6858	3.8361	0.0576	0.710011
<i>Ndufaf3</i>	chr9:108565865-108567342	14.9169	14.8223	-0.0092	0.904612
<i>Wdr48</i>	chr9:119894894-119926579	28.8976	29.5689	0.0331	0.447334
<i>A230072C01Rik</i>	chrX:20961683-20986737	3.2099	3.3444	0.0592	0.659571
<i>C330007P06Rik</i>	chrX:36823736-36874111	5.3319	5.3159	-0.0043	0.961969
<i>Rps24-ps3</i>	chrX:79195046-79195448	126.7437	133.8966	0.0792	0.771752
<i>A630033H20Rik</i>	chrX:107148926-107173661	9.4016	9.6495	0.0375	0.622947
<i>Gprasp1</i>	chrX:135742732-135803474	11.6116	11.9283	0.0388	0.636927
<i>Map3k15</i>	chrX:159988432-160123351	12.3133	12.6260	0.0362	0.616355
<i>1700088E04Rik</i>	chr15:79134654-79141251	14.5427	15.1597	0.0600	0.762768
<i>Cbx7</i>	chr15:79915806-79971119	40.7894	40.8026	0.0005	0.996694
<i>Pphln1</i>	chr15:93398349-93491913	9.4576	9.7223	0.0398	0.575021
<i>Timm23</i>	chr14:32180161-32201898	6.2094	6.4305	0.0505	0.708119
<i>Trav4-4-dv10</i>	chr14:53683646-53684176	13.8381	13.6206	-0.0229	0.820807
<i>Tssk4</i>	chr14:55650181-55652539	2.4432	2.5768	0.0768	0.710984
<i>Sugt1</i>	chr14:79587690-79629755	46.9167	46.6457	-0.0084	0.952646
<i>Chd1</i>	chr17:15704966-15772610	34.4769	35.3469	0.0360	0.634769
<i>Ccdc167</i>	chr17:29689377-29717012	13.1508	13.5322	0.0412	0.667402
<i>Kank3</i>	chr17:33810519-33822918	2.7408	2.7113	-0.0156	0.918142
<i>A930015D03Rik</i>	chr17:35994452-36038435	14.9243	15.5078	0.0553	0.735264
<i>Slc29a1</i>	chr17:45585199-45599606	9.6517	9.6251	-0.0040	0.969282
<i>Anks3</i>	chr16:4941414-4964237	22.1347	22.7231	0.0378	0.512018
<i>Dexi</i>	chr16:10530206-10543054	10.7718	10.7261	-0.0061	0.870970
<i>Ydjc</i>	chr16:17144620-17160701	2.1625	2.1478	-0.0098	0.942733

<i>Wdr53</i>	chr16:32247226-32257083	8.3434	8.2461	-0.0169	0.907553
<i>Klc2</i>	chr19:5107745-5118560	4.7290	4.8875	0.0475	0.672988
<i>Incenp</i>	chr19:9872296-9899533	8.3869	8.6720	0.0482	0.775161
<i>Tctn3</i>	chr19:40596445-40612233	2.9713	2.9444	-0.0131	0.929485
<i>Stat1</i>	chr1:52119437-52161865	262.0614	269.8355	0.0422	0.735459
<i>Hdlbp</i>	chr1:93405939-93478808	27.4796	28.1522	0.0349	0.532537
<i>Slc41a1</i>	chr1:131827492-131848865	11.7812	12.1700	0.0468	0.763217
<i>Nuak2</i>	chr1:132316125-132333488	1.5955	1.5727	-0.0208	0.871375
<i>Csnk1g3</i>	chr18:53862112-53955684	11.2655	11.5603	0.0373	0.385852
<i>Ptpn2</i>	chr18:67665510-67724595	31.0141	30.9693	-0.0021	0.980929
<i>Mbd2</i>	chr18:70568188-70626131	66.2011	66.2327	0.0007	0.992919
<i>Plcb2</i>	chr2:118707516-118728438	30.8758	31.6967	0.0379	0.649904
<i>Itpa</i>	chr2:130667609-130681614	7.5077	7.4429	-0.0125	0.920694
<i>Mcts2</i>	chr2:152687147-152687940	10.9281	11.3985	0.0608	0.662818
<i>Pag1</i>	chr3:9687478-9833679	24.5358	25.2622	0.0421	0.714132
<i>Mynn</i>	chr3:30602086-30618492	15.1120	15.1319	0.0019	0.968441
<i>Prkci</i>	chr3:30995746-31052741	3.6846	3.6666	-0.0071	0.944899
<i>Pik3ca</i>	chr3:32397670-32468486	26.1266	26.7564	0.0344	0.621221
<i>Crtc2</i>	chr3:90254162-90264125	5.9559	6.1592	0.0484	0.707385
<i>Aph1a</i>	chr3:95893968-95898288	3.4033	3.5280	0.0519	0.634232
<i>Rmdn1</i>	chr4:19575161-19606932	5.6754	5.8588	0.0459	0.568183
<i>Akirin2</i>	chr4:34550936-34566908	27.7537	28.4609	0.0363	0.424801
<i>Zbtb5</i>	chr4:44991241-45012412	6.7223	6.7359	0.0029	0.955930
<i>Ptbp3</i>	chr4:59471867-59549364	102.1198	102.2210	0.0014	0.985624
<i>Megf9</i>	chr4:70427064-70534995	1.1924	1.1725	-0.0243	0.929846
<i>Prdx1</i>	chr4:116685543-116700822	22.1758	22.0436	-0.0086	0.947853
<i>Gm12841</i>	chr4:117883620-117885995	27.8534	27.6759	-0.0092	0.881019
<i>Snora61</i>	chr4:132310239-132310369	45.7047	47.6625	0.0605	0.762067
<i>Tmem240</i>	chr4:155734799-155740564	0.9922	1.0406	0.0686	0.741216
<i>Psmc10</i>	chrX:140948428-140956728	13.8834	14.3149	0.0442	0.697276
<i>Pla2g12a</i>	chr3:129878621-129895821	4.2345	4.3981	0.0547	0.711360
<i>Ctage5</i>	chr12:59129719-59191583	18.4832	18.9222	0.0339	0.556790
<i>Gm6421</i>	chr13:117358211-117358622	10.6115	10.1883	-0.0587	0.877158
<i>Cd79a</i>	chr7:24897380-24902197	3.8180	3.7610	-0.0217	0.902648
<i>Hyou1</i>	chr9:44379489-44392369	16.9828	17.0278	0.0038	0.960437
<i>Zfp51</i>	chr17:21450351-21465591	26.2915	27.0314	0.0400	0.744894
<i>Gm20517</i>	chr17:47611588-47683861	4.1850	4.1823	-0.0009	0.987102
<i>Ybey</i>	chr10:76459568-76469114	2.1593	2.1344	-0.0168	0.911427
<i>Sypl</i>	chr12:32953890-32979050	2.7782	2.8687	0.0462	0.683617
<i>Txndc5</i>	chr13:38500272-38528824	16.4898	16.9391	0.0388	0.694201
<i>Gm24336</i>	chr19:44113978-44114124	161.9702	155.6743	-0.0572	0.859104
<i>Ccdc34</i>	chr2:110017816-110173360	0.8958	0.9283	0.0514	0.721400
<i>Trpm7</i>	chr2:126791564-126876230	28.4413	29.1339	0.0347	0.651017
<i>Smad5</i>	chr13:56703009-56742377	18.5549	19.0543	0.0383	0.696235
<i>Il2rg</i>	chrX:101264377-101268255	157.9648	158.7101	0.0068	0.899206
<i>Zfp955b</i>	chr17:33289648-33303196	7.0752	7.3019	0.0455	0.571046
<i>Rbm15</i>	chr3:107326109-107333289	25.0462	25.0904	0.0025	0.978762
<i>Nek1</i>	chr8:60993194-61131346	3.3529	3.4529	0.0424	0.634056
<i>Usp47</i>	chr7:112023505-112111386	45.0342	45.2500	0.0069	0.845429
<i>Scarb1</i>	chr5:125277086-125341094	1.5754	1.5655	-0.0091	0.947427
<i>Gm23455</i>	chr9:15316488-15316588	194.6165	191.7583	-0.0213	0.917765
<i>Gdap2</i>	chr3:100162380-100206981	9.6538	9.9229	0.0397	0.689635
<i>Arsa</i>	chr15:89472475-89477425	6.4243	6.6280	0.0450	0.649957
<i>Arl6ip6</i>	chr2:53191725-53219220	8.1703	8.1376	-0.0058	0.949841
<i>Stk39</i>	chr2:68210444-68472268	8.9747	9.2216	0.0391	0.674848
<i>Gapdhs</i>	chr7:30729774-30743681	3.7664	3.7265	-0.0154	0.915970
<i>Abcg2</i>	chr6:58584522-58692869	3.2349	3.2106	-0.0109	0.925425
<i>Farsb</i>	chr1:78417957-78488859	30.4692	30.4731	0.0002	0.998038
<i>Slc2a8</i>	chr2:32972989-32982083	1.8456	1.9405	0.0724	0.773823
<i>Dnase1l1</i>	chrX:74273216-74282337	5.2191	5.3931	0.0473	0.759429
<i>4931406C07Rik</i>	chr9:15283336-15306448	1.3935	1.3705	-0.0241	0.839328
<i>Cntrob</i>	chr11:69299486-69323775	3.3292	3.4351	0.0452	0.714469
<i>Rph3al</i>	chr11:75830998-75938429	1.8545	1.9409	0.0657	0.762155
<i>Recql5</i>	chr11:115892594-115933477	5.1708	5.1695	-0.0004	0.997194
<i>Larp4</i>	chr15:99970073-100016351	13.0131	13.0358	0.0025	0.968066
<i>Ndufv2</i>	chr17:66078794-66101559	32.9171	32.7114	-0.0090	0.950420
<i>Ddx58</i>	chr4:40203772-40239828	41.3766	42.3895	0.0349	0.662561
<i>Gm24265</i>	chr5:115489458-115489599	427.9866	410.1770	-0.0613	0.872801
<i>C730034F03Rik</i>	chr15:89429588-89430868	6.6479	6.8758	0.0486	0.693553
<i>Cox16</i>	chr12:81359025-81485127	10.0661	10.3577	0.0412	0.749460
<i>Hist3h2ba</i>	chr11:58948910-58949532	7.9494	8.2454	0.0527	0.705461

<i>Orc2</i>	chr1:58462770-58505109	14.6608	15.0582	0.0386	0.700838
<i>Rdh5</i>	chr10:128913592-128922888	12.0746	12.0454	-0.0035	0.968823
<i>Shmt1</i>	chr11:60788103-60811718	5.0282	5.0225	-0.0016	0.957339
<i>Btbd6</i>	chr12:112976481-112978930	27.2289	27.9023	0.0352	0.472710
<i>Exoc4</i>	chr6:33249084-33973979	9.8651	10.1083	0.0351	0.630186
<i>Suclg2</i>	chr6:95474133-95718837	11.1833	11.5076	0.0412	0.742832
<i>Gm1966</i>	chr7:106601242-106604035	119.8448	122.6100	0.0329	0.537573
<i>Tusc3</i>	chr8:39005866-39165112	23.3407	23.3092	-0.0019	0.980009
<i>C330011M18Rik</i>	chr8:84065235-84067287	6.8340	7.0785	0.0507	0.796348
<i>Anp32a</i>	chr9:62341292-62378812	62.2779	64.1090	0.0418	0.740732
<i>Rbmx2</i>	chrX:48695003-48710723	3.4594	3.6003	0.0576	0.713229
<i>Fam83f</i>	chr15:80671846-80700420	1.3212	1.3908	0.0741	0.758370
<i>Rarb</i>	chr14:16430841-16575472	2.8757	2.8546	-0.0106	0.956120
<i>Hsp90ab1</i>	chr17:45567774-45573271	232.7636	240.2526	0.0457	0.761942
<i>Kat2b</i>	chr17:53566860-53672720	34.1973	34.2814	0.0035	0.959514
<i>D17Wsu104e</i>	chr17:56175743-56183920	14.7211	15.1350	0.0400	0.627781
<i>C1pp</i>	chr17:56990263-56996371	22.9141	22.8035	-0.0070	0.957634
<i>Pms1</i>	chr1:53189186-53297018	4.7341	4.7202	-0.0042	0.967723
<i>Atxn7l2</i>	chr3:108202221-108210934	2.8631	2.9659	0.0509	0.659953
<i>Usp1</i>	chr4:98923809-98935543	18.9371	18.9722	0.0027	0.961718
<i>Il27ra</i>	chr8:84030286-84042575	115.9419	116.2414	0.0037	0.966106
<i>Thoc1</i>	chr18:9958179-9995484	27.7067	27.6149	-0.0048	0.969594
<i>Ilf2</i>	chr3:90476200-90488379	49.5796	49.5210	-0.0017	0.986288
<i>Gnpat</i>	chr8:124863032-124890057	25.4172	25.5187	0.0057	0.914895
<i>Xk</i>	chrX:9272755-9313250	1.0327	1.0769	0.0605	0.705205
<i>Pacsin1</i>	chr17:27655508-27711106	11.1542	11.5101	0.0453	0.758246
<i>Ndst1</i>	chr18:60685977-60713389	11.0856	11.0999	0.0019	0.985416
<i>Gm13456</i>	chr2:40555751-40557116	59.0169	57.8036	-0.0300	0.892667
<i>Eif1ad</i>	chr19:5366812-5371511	20.9169	20.8716	-0.0031	0.975881
<i>Rpl22</i>	chr4:152325741-152334071	86.7297	89.7018	0.0486	0.807921
<i>Cpped1</i>	chr16:11803720-11909445	1.1810	1.2365	0.0662	0.748741
<i>Ap4e1</i>	chr2:127008716-127067909	6.6887	6.7043	0.0033	0.953381
<i>Pdzd8</i>	chr19:59296083-59345780	20.1052	20.5905	0.0344	0.601238
<i>Bloc1s1</i>	chr10:128917881-128924035	21.3011	21.9491	0.0432	0.758836
<i>Apopt1</i>	chr12:111713260-111754980	6.5391	6.7747	0.0511	0.781598
<i>Asb7</i>	chr7:66644564-66689596	4.1164	4.2241	0.0373	0.403765
<i>St13</i>	chr15:81363668-81400077	37.3401	37.1502	-0.0074	0.964351
<i>Cul3</i>	chr1:80264922-80340480	63.7942	63.9674	0.0039	0.953439
<i>Madd</i>	chr2:91137359-91183837	42.1118	42.3107	0.0068	0.919248
<i>Extl2</i>	chr3:116007461-116029016	2.0101	1.9882	-0.0159	0.882747
<i>Plekhm2</i>	chr4:141625733-141664899	5.5551	5.5353	-0.0052	0.973110
<i>Fech</i>	chr18:64456549-64489066	9.2901	9.5336	0.0373	0.531495
<i>Hmgb1-ps8</i>	chr10:22262741-22263367	104.8121	104.8108	0.0000	0.999852
<i>Dcp1b</i>	chr6:119175251-119221614	7.8705	8.0942	0.0404	0.672661
<i>Slc38a2</i>	chr15:96687393-96699698	50.0680	50.2040	0.0039	0.964421
<i>Zfp422</i>	chr6:116624015-116628999	5.6499	5.6397	-0.0026	0.967544
<i>Gm26617</i>	chrX:94793102-94798237	1.7752	1.8438	0.0547	0.763750
<i>Dync1h1</i>	chr12:110601451-110666945	66.6694	68.4922	0.0389	0.722147
<i>Klhl8</i>	chr5:103861972-103911259	2.9238	2.9002	-0.0117	0.927152
<i>Mxi1</i>	chr19:53310505-53375810	5.4256	5.5917	0.0435	0.735869
<i>Nfe2l2</i>	chr2:75675512-75704641	29.6442	30.3155	0.0323	0.441285
<i>Ankfy1</i>	chr11:72690005-7272146	18.8209	19.2250	0.0306	0.420898
<i>Tmed2</i>	chr5:124540694-124550506	10.2488	10.1987	-0.0071	0.952434
<i>Dctn6</i>	chr8:34090419-34108796	24.9684	25.5859	0.0352	0.612748
<i>Zfp882</i>	chr8:71908607-71916354	7.2557	7.4586	0.0398	0.749661
<i>Zrsr2</i>	chrX:163935442-163958661	9.0341	9.2599	0.0356	0.662986
<i>Eif3h</i>	chr15:51786557-51865481	140.7833	140.2874	-0.0051	0.971960
<i>Dvl3</i>	chr16:20516981-20532520	2.6647	2.7728	0.0574	0.763248
<i>Nolc1</i>	chr19:46075862-46085528	26.0287	26.1174	0.0049	0.941800
<i>Coq10b</i>	chr1:55052769-55072701	11.2496	11.5905	0.0431	0.786805
<i>Dpy19l4</i>	chr4:11261314-11322137	5.4927	5.4860	-0.0018	0.985726
<i>Hint1</i>	chr11:54866382-54870501	84.5242	84.0617	-0.0079	0.958999
<i>Spop</i>	chr11:95414079-95493406	18.2235	18.6590	0.0341	0.468743
<i>Nat9</i>	chr11:115182831-115187859	3.2911	3.4205	0.0557	0.643522
<i>Copg2</i>	chr6:30747553-30896794	14.3400	14.6872	0.0345	0.672504
<i>Apobr</i>	chr7:126584941-126589112	3.1095	3.0930	-0.0077	0.951837
<i>Ndrp1</i>	chr15:66929320-66969640	5.0536	5.0407	-0.0037	0.976460
<i>Banf1</i>	chr19:5364640-5366645	49.7890	49.5480	-0.0070	0.963669
<i>Tmem81</i>	chr1:132506229-132508637	8.2645	8.5137	0.0429	0.491074
<i>Crcp</i>	chr5:130029289-130060789	18.3386	18.2991	-0.0031	0.969003
<i>Arid2</i>	chr15:96287517-96404992	17.0796	17.1377	0.0049	0.953889

<i>Csnk2b</i>	chr17:35116195-35122053	37.0126	37.9490	0.0360	0.663036
<i>Zbtb21</i>	chr16:97947434-97962621	7.2273	7.4266	0.0392	0.646300
<i>Mettl23</i>	chr11:116843277-116854263	45.2976	45.4359	0.0044	0.935011
<i>Lca5</i>	chr9:83390292-83441127	1.4324	1.4838	0.0509	0.745622
<i>Pdpc1</i>	chr17:24073679-24150924	21.3249	21.4281	0.0070	0.888556
<i>Mtx3</i>	chr13:92844786-92858230	8.2627	8.2536	-0.0016	0.988966
<i>Zfp78</i>	chr7:6371363-6379491	2.9024	3.0123	0.0536	0.635345
<i>Lysmd2</i>	chr9:75625731-75637773	4.4276	4.6056	0.0569	0.660981
<i>Glb1</i>	chr9:114401075-114474376	18.2824	18.7406	0.0357	0.580582
<i>Pdrg1</i>	chr2:153008889-153015427	21.6424	21.7003	0.0039	0.939784
<i>Fpgt</i>	chr3:155084920-155093378	14.2740	14.2267	-0.0048	0.966922
<i>Angptl1</i>	chr1:156838561-156861078	1.4430	1.5186	0.0737	0.754340
<i>Gripap1</i>	chrX:7789764-7820567	12.8098	12.8389	0.0033	0.967369
<i>Tmem128</i>	chr5:38260184-38269622	23.5915	23.6033	0.0007	0.991387
<i>Car15</i>	chr16:17835275-17838364	5.8825	6.1514	0.0645	0.755855
<i>Kif20b</i>	chr19:34922357-34975731	5.5622	5.7200	0.0404	0.779440
<i>Jrk</i>	chr15:74702411-74709535	6.2960	6.2802	-0.0036	0.974600
<i>Sifn2</i>	chr11:83065111-83070678	343.7486	344.2471	0.0021	0.980290
<i>Synj2</i>	chr17:5941279-6044290	7.1579	7.1688	0.0022	0.983570
<i>Zfp36l2</i>	chr17:84183930-84187947	59.3012	59.3548	0.0013	0.990918
<i>Kctd1</i>	chr18:14968684-15151446	2.1289	2.1192	-0.0066	0.964169
<i>Pura</i>	chr18:36281096-36301521	11.7988	11.8555	0.0069	0.904999
<i>Wdr47</i>	chr3:108591278-108645719	6.4962	6.6771	0.0396	0.651746
<i>Zfr</i>	chr15:12117830-12185683	32.3103	32.9979	0.0304	0.501127
<i>Gtf2f2</i>	chr14:75896936-76010865	19.6893	20.2085	0.0376	0.683427
<i>Suv420h1</i>	chr19:3767420-3818303	20.1817	20.6092	0.0302	0.410166
<i>Dis3l2</i>	chr1:86703803-87050097	13.6689	13.7048	0.0038	0.959714
<i>Pdik1l</i>	chr4:134275001-134287895	9.8509	10.0944	0.0352	0.669976
<i>Ccdc130</i>	chr8:84257794-84270380	6.7623	6.9822	0.0462	0.658201
<i>Icam1</i>	chr9:21015959-21028797	17.8869	18.4584	0.0454	0.791235
<i>Arfgap3</i>	chr15:83299739-83350247	3.8327	3.9565	0.0459	0.742053
<i>Ube2l3</i>	chr16:17152012-17202649	7.5998	7.6241	0.0046	0.932795
<i>Htt</i>	chr5:34761739-34912534	11.6368	11.9635	0.0399	0.758467
<i>Lrrc24</i>	chr15:76715275-76722173	2.8219	2.9497	0.0639	0.757385
<i>Tacc3</i>	chr5:33658127-33678995	3.8927	4.0097	0.0427	0.795165
<i>Cyb5r4</i>	chr9:87022013-87077774	8.1368	8.1502	0.0024	0.968022
<i>Map2k6</i>	chr11:110399121-110525522	3.9443	3.9260	-0.0067	0.949423
<i>Abt1</i>	chr13:23421538-23423866	16.9309	16.7839	-0.0126	0.941621
<i>Cd2</i>	chr3:101275898-101287939	281.9123	282.5533	0.0033	0.967015
<i>Clcf1</i>	chr19:4214237-4223490	13.6936	14.0988	0.0421	0.751013
<i>Gm26896</i>	chr10:81606367-81609791	4.2578	4.2316	-0.0089	0.959495
<i>Nt5m</i>	chr11:59839446-59880968	3.9342	4.0642	0.0469	0.658978
<i>Pitpnc1</i>	chr11:107207891-107470699	32.9006	33.6825	0.0339	0.610303
<i>Gm20498</i>	chr12:81358859-81532905	13.2371	13.5902	0.0380	0.749132
<i>Limk1</i>	chr5:134656038-134688590	2.6639	2.6634	-0.0003	0.997652
<i>Rac1</i>	chr5:143505477-143528036	64.3295	65.9333	0.0355	0.692858
<i>Lins</i>	chr7:66689888-66717256	2.1781	2.1758	-0.0015	0.987680
<i>Rassf7</i>	chr7:141215859-141218658	5.3349	5.2828	-0.0142	0.926961
<i>Mpi</i>	chr9:57544255-57552763	6.7683	6.7775	0.0020	0.981124
<i>Arid3b</i>	chr9:57790352-57836793	5.9440	5.9623	0.0044	0.961638
<i>Rnf7</i>	chr9:96470940-96478675	16.2485	16.7267	0.0418	0.726804
<i>Gm6472</i>	chrX:152909503-152910155	35.1257	34.6728	-0.0187	0.935801
<i>Ap5m1</i>	chr14:49066494-49087723	20.5682	21.0428	0.0329	0.641110
<i>Psme1</i>	chr14:55578122-55581529	123.2225	123.2846	0.0007	0.994573
<i>Zfp942</i>	chr17:21926959-21962464	14.7849	15.1296	0.0333	0.625901
<i>Map4k3</i>	chr17:80580511-80728093	7.6556	7.8616	0.0383	0.640654
<i>Usp16</i>	chr16:87454702-87483517	12.3702	12.6348	0.0305	0.395695
<i>Ankrd13d</i>	chr19:4270179-4283137	3.7510	3.7400	-0.0043	0.963912
<i>Gm25894</i>	chr19:8724250-8724325	64.1405	66.6633	0.0557	0.747755
<i>Ak3</i>	chr19:29020832-29047961	23.8108	23.8655	0.0033	0.972745
<i>Usp21</i>	chr1:171281944-171287991	6.0472	6.0647	0.0042	0.951115
<i>Atg12</i>	chr18:46732416-46741579	24.1601	24.1929	0.0020	0.975744
<i>Dph7</i>	chr2:24962399-24972163	14.9641	14.9888	0.0024	0.973286
<i>Pmpca</i>	chr2:26389338-26397122	25.4055	25.9522	0.0307	0.398795
<i>Crat</i>	chr2:30400470-30415813	1.5020	1.5616	0.0562	0.700957
<i>Fubp3</i>	chr2:31572650-31617526	7.7396	7.7459	0.0012	0.988872
<i>Nat10</i>	chr2:103721255-103761270	10.2053	10.2441	0.0055	0.939889
<i>Wdr76</i>	chr2:121506722-121544860	5.8147	5.8241	0.0023	0.965961
<i>Dnajc19</i>	chr3:34056019-34081321	10.2046	10.4569	0.0352	0.652860
<i>Rapgef4os2</i>	chr2:72224687-72232302	4.8314	4.8059	-0.0076	0.963761
<i>Slc35b4</i>	chr6:34153379-34177111	4.5691	4.6884	0.0372	0.611180

311000122Rik	chr16:13671928-13678405	11.2162	11.1874	-0.0037	0.975022
Abi1	chr2:22940072-23040241	48.7507	48.8239	0.0022	0.979907
Acp2	chr2:91202884-91214098	14.7840	15.1113	0.0316	0.509190
Ccdc59	chr10:105841066-105847833	15.1894	15.2026	0.0013	0.987338
Cul5	chr9:53614581-53670014	14.1338	14.1842	0.0051	0.924855
Arhgap18	chr10:26753420-26918648	7.4419	7.3890	-0.0103	0.952466
Helq	chr5:100762144-100798598	5.7580	5.9048	0.0363	0.537470
Sec16a	chr2:26409430-26445216	30.9703	31.7913	0.0377	0.743909
Spred1	chr2:117121373-117182279	2.8187	2.8107	-0.0041	0.964427
Nprl3	chr11:32225627-32267707	8.2058	8.4156	0.0364	0.690711
Nt5c	chr11:115490419-115491862	84.4637	84.5391	0.0013	0.989221
Itpr2	chr6:146108298-146502223	43.3088	44.3989	0.0359	0.715749
Cog4	chr8:110846599-110882227	16.8885	16.9488	0.0051	0.915555
Sf1	chr19:6363689-6378030	40.3546	41.3744	0.0360	0.703317
Gm24452	chr19:8724530-8724602	84.0086	87.5520	0.0596	0.580335
Tshz1	chr18:84011626-84086404	14.1814	14.5193	0.0340	0.574353
Rnf146	chr10:29344177-29362442	24.1503	24.2474	0.0058	0.906844
Gcn1l1	chr5:115565253-115622656	12.8978	12.9295	0.0035	0.974715
Wdr91	chr6:34880425-34910876	13.4764	13.8131	0.0356	0.652558
Tm7sf3	chr6:146602351-146642824	7.2840	7.4803	0.0384	0.738907
Echdc1	chr10:29313165-29346661	14.2265	14.5769	0.0351	0.693804
9230112E08Rik	chr2:180984231-180985591	7.2374	7.4902	0.0495	0.690341
Nr2c1	chr10:94148022-94197211	3.4146	3.5208	0.0442	0.697469
Wdr86	chr5:24711737-24730727	0.7977	0.8352	0.0663	0.716166
Chchd2	chr5:129881155-129887470	19.0164	19.5861	0.0426	0.798273
D930028M14Rik	chr7:25152456-25156623	6.3678	6.6005	0.0518	0.808616
Eif3f	chr7:108934416-108942951	82.3959	82.6745	0.0049	0.952540
Letm2	chr8:25578491-25597487	10.2013	10.5048	0.0423	0.739939
Rpl29	chr9:106429453-106431568	18.4319	18.2788	-0.0120	0.951084
Slc25a46	chr18:31580167-31609902	19.1592	19.1257	-0.0025	0.983773
Gpank1	chr17:35121454-35124814	15.8936	15.8915	-0.0002	0.998542
Bahd1	chr2:118900376-118924528	9.9794	10.0004	0.0030	0.977495
Med23	chr10:24869985-24913681	14.2044	14.2800	0.0077	0.815369
Themis	chr10:28668359-28883818	37.7976	37.8712	0.0028	0.976476
Foxo3	chr10:42181840-42276755	18.1585	18.6214	0.0363	0.720254
Oxid1	chr11:120456605-120458068	5.8789	6.0830	0.0492	0.752646
Prkch	chr12:73584796-73778185	92.3640	94.4579	0.0323	0.709224
Pcbd2	chr13:55727367-55776830	16.8931	16.7501	-0.0123	0.940850
Hnrmpk	chr13:58391141-58403343	62.6877	64.0459	0.0309	0.615719
Zfp874b	chr13:67471513-67484225	16.5151	16.4834	-0.0028	0.982968
Ap3b1	chr13:94358959-94566316	32.2438	32.9771	0.0324	0.552781
Cad	chr5:31054779-31078479	8.9600	8.9698	0.0016	0.990642
Snx17	chr5:31193226-31198900	31.8291	31.9652	0.0062	0.894856
Fam220a	chr5:143548707-143564531	5.9435	5.9351	-0.0020	0.981641
Zfp282	chr6:47877203-47908485	4.9726	4.9808	0.0024	0.980688
9630033F20Rik	chr6:127085115-127109550	5.7373	5.8832	0.0362	0.537424
8430419L09Rik	chr6:135197976-135244955	6.4817	6.5020	0.0045	0.962806
Etnk1	chr6:143167229-143208542	55.5382	56.7539	0.0312	0.626220
Mrps35	chr6:147042763-147070903	6.9044	7.0813	0.0365	0.689609
Mark4	chr7:19426074-19458494	7.7531	7.7224	-0.0057	0.977684
Cfap20	chr8:95420251-95434869	18.0438	18.5040	0.0363	0.674158
Piezo1	chr8:122481697-122551329	8.9294	9.1812	0.0401	0.771599
Gm26733	chr9:20432759-20563282	16.3524	16.3798	0.0024	0.970762
Ei24	chr9:36779158-36797393	18.4873	18.5211	0.0026	0.973105
Acsf4	chrX:142317992-142390535	15.0273	15.0604	0.0032	0.973320
Laptm4b	chr15:34238025-34284295	2.2443	2.2051	-0.0254	0.885789
Ext1	chr15:53064037-53346159	8.4996	8.6965	0.0330	0.593050
Rnf139	chr15:58889228-58902390	32.7377	33.5337	0.0347	0.744714
Gm26518	chr15:102455525-102483722	4.5917	4.5943	0.0008	0.992523
Vmn2r96	chr17:18581726-18598157	4.5530	4.7153	0.0505	0.823112
Fahd1	chr17:24848895-24850302	2.8836	2.8616	-0.0111	0.926678
Gm17251	chr17:33759991-33761870	9.5968	9.5468	-0.0075	0.946255
Ddr1	chr17:35681566-35704621	3.5537	3.6773	0.0493	0.794814
Atf2	chr17:79848391-79896123	9.6187	9.6333	0.0022	0.980792
Zfp91	chr19:12763659-12796126	18.5235	18.6201	0.0075	0.862883
Atp6v1h	chr1:5083172-5162549	28.6865	29.3829	0.0346	0.741684
Als2	chr1:59162925-59237231	5.2691	5.2825	0.0037	0.955054
Lrrfp1	chr1:90998726-91128944	68.0880	69.4935	0.0295	0.398836
Gm24489	chr1:161037600-161037681	84.5581	83.6162	-0.0162	0.931621
Nsun6	chr2:14995130-15054884	3.9956	3.9919	-0.0013	0.986208
Sh2d3c	chr2:32721054-32755512	17.0020	17.0717	0.0059	0.952369

<i>Snx5</i>	chr2:144250122-144270906	56.4418	57.7357	0.0327	0.688079
<i>Pcmdt2</i>	chr2:181837853-181857461	38.0082	38.8461	0.0315	0.637529
<i>Ubap2l</i>	chr3:89999588-90052475	27.2059	27.8713	0.0349	0.694228
<i>Rpl34</i>	chr3:130726830-130730398	200.7484	197.3161	-0.0249	0.914761
<i>Mknk1</i>	chr4:115839197-115879250	9.6640	9.9165	0.0372	0.615852
<i>Uqcrh</i>	chr4:116066964-116075071	110.7624	110.1250	-0.0083	0.965713
<i>Map7d1</i>	chr4:126232166-126256343	8.6936	8.7078	0.0024	0.983303
<i>Cetn2</i>	chrX:72913531-72918411	19.5596	20.0820	0.0380	0.785898
<i>Slc16a1</i>	chr3:104638667-104658462	13.0607	13.0927	0.0035	0.964400
<i>Zfp595</i>	chr13:67312997-67332560	11.5646	11.6095	0.0056	0.914262
<i>Lrp6</i>	chr6:134446475-134566965	15.3912	15.7787	0.0359	0.703767
<i>Arfp2</i>	chr7:105634202-105640416	7.2078	7.3764	0.0334	0.643338
<i>Ddhd2</i>	chr8:25725323-25754280	15.7729	16.1386	0.0331	0.669188
<i>Gm26448</i>	chr9:120129350-120129553	316.9171	308.5045	-0.0388	0.895739
<i>Zfp97</i>	chr17:17121414-17146831	2.4663	2.4308	-0.0209	0.913429
<i>Ppid</i>	chr3:79591341-79603650	24.0350	24.1301	0.0057	0.924488
<i>Sirt4</i>	chr5:115478009-115484725	2.7632	2.7306	-0.0171	0.928591
<i>Mpp6</i>	chr6:50110240-50198598	11.8822	12.1812	0.0359	0.711794
<i>Accs2os</i>	chr2:155547039-155556930	12.2785	12.2386	-0.0047	0.965021
<i>Bphl</i>	chr13:34037640-34074074	12.0932	12.0420	-0.0061	0.963120
<i>1600014C10Rik</i>	chr7:38183216-38197568	24.1837	24.2307	0.0028	0.977090
<i>Ppp1r3fos</i>	chrX:7573599-7581015	2.5837	2.5770	-0.0037	0.984737
<i>Traj22</i>	chr14:54197247-54197307	233.0910	232.4872	-0.0037	0.976091
<i>Clasp1</i>	chr1:118389057-118609432	10.9378	11.2051	0.0348	0.672648
<i>Rpl7a</i>	chr2:26910763-26913318	30.4798	30.4720	-0.0004	0.997586
<i>1810037117Rik</i>	chr3:122924361-122926193	17.6032	18.1075	0.0408	0.783777
<i>Ndufaf6</i>	chr4:11051044-11076205	4.2872	4.2205	-0.0226	0.905032
<i>Ctns</i>	chr11:73183595-73199042	5.3204	5.4713	0.0404	0.725577
<i>Tada3</i>	chr6:113366024-113377883	7.9866	8.0158	0.0053	0.925580
<i>Ddx18</i>	chr1:121553834-121567989	9.6606	9.9069	0.0363	0.552796
<i>Psmc1</i>	chr1:86064386-86139151	20.4003	20.8513	0.0315	0.617801
<i>Fbxw5</i>	chr2:25500749-25505471	18.3976	18.4566	0.0046	0.959709
<i>Slc25a22</i>	chr7:141429738-141437892	6.8419	6.8526	0.0023	0.987460
<i>Exog</i>	chr9:119444922-119465517	3.4328	3.5397	0.0442	0.699616
<i>Gm11696</i>	chr11:109354777-109363654	6.3199	6.3300	0.0023	0.980509
<i>Gm5898</i>	chr7:63542478-63544549	1.9178	2.0055	0.0646	0.790549
<i>Arih2</i>	chr9:108602941-108649380	21.3932	21.4916	0.0066	0.911602
<i>Impad1</i>	chr4:4762483-4793355	11.7577	11.7917	0.0042	0.957145
<i>Mrpl54</i>	chr10:81264712-81266934	37.7068	37.5660	-0.0054	0.971687
<i>Gm26740</i>	chr10:22187012-22302835	49.2440	50.4354	0.0345	0.746110
<i>Map3k14</i>	chr11:103219761-103267472	16.0689	16.1475	0.0070	0.933250
<i>Fam195b</i>	chr11:120542887-120549727	24.5587	25.3049	0.0432	0.756928
<i>Hist1h3e</i>	chr13:23561533-23562369	33.4178	34.4501	0.0439	0.831346
<i>Zfp94</i>	chr7:24301703-24316666	2.9512	2.9487	-0.0012	0.982300
<i>Klhl26</i>	chr8:70450227-70476943	6.1745	6.3464	0.0396	0.684337
<i>Arrdc2</i>	chr8:70835154-70839720	13.0606	13.0769	0.0018	0.987145
<i>Katnb1</i>	chr8:95081200-95099874	5.3782	5.3784	0.0001	0.999678
<i>Msantd4</i>	chr9:4383534-4386861	12.9775	13.2719	0.0324	0.675482
<i>Ncapd3</i>	chr9:27030174-27095311	36.1544	36.2940	0.0056	0.943150
<i>Mtfmt</i>	chr9:65435781-65453054	6.7756	6.7925	0.0036	0.944927
<i>Ice2</i>	chr9:69397905-69433122	8.9884	9.0241	0.0057	0.933037
<i>Oxsr1</i>	chr9:119238431-119322427	20.9906	21.0808	0.0062	0.923031
<i>Trmt12</i>	chr15:58872648-58876781	6.2566	6.4164	0.0364	0.765600
<i>Ppp3cc</i>	chr14:70217897-70289449	36.7000	36.7804	0.0032	0.976021
<i>Vmac</i>	chr17:56713931-56717699	7.6614	7.6488	-0.0024	0.978959
<i>Eij4a2</i>	chr16:23107443-23114136	146.0267	149.2425	0.0314	0.684819
<i>Tcirg1</i>	chr19:3896049-3907133	12.2358	12.5178	0.0329	0.575274
<i>Fbxw4</i>	chr19:45578253-45660312	12.1876	12.5259	0.0395	0.765112
<i>Stk25</i>	chr1:93621901-93635722	31.0146	31.7366	0.0332	0.620461
<i>Rapgef4</i>	chr2:71981239-72257474	12.6028	12.6352	0.0037	0.971551
<i>Ccdc32</i>	chr2:119017778-119029393	5.9841	5.9429	-0.0100	0.946027
<i>Gm10762</i>	chr2:128966592-128967725	9.3957	9.3486	-0.0072	0.956300
<i>Ccdc39</i>	chr3:33812361-33844310	3.4353	3.5298	0.0391	0.682723
<i>Bbs12</i>	chr3:37312553-37321453	4.1799	4.3277	0.0501	0.855598
<i>Sema4a</i>	chr3:88435958-88461182	26.1049	26.7327	0.0343	0.675214
<i>E130218I03Rik</i>	chr4:134243661-134245873	8.3750	8.6185	0.0413	0.741719
<i>Dcaf17</i>	chr2:71055327-71099142	5.7710	5.8982	0.0315	0.514462
<i>Grina</i>	chr15:76246806-76249904	30.2593	30.4004	0.0067	0.932744
<i>Gm11715</i>	chr11:107157407-107167150	8.6730	8.6006	-0.0121	0.911462
<i>Hsbp1</i>	chr8:119344537-119348927	51.4918	52.8434	0.0374	0.793697
<i>Mapkap1</i>	chr2:34406770-34624950	17.6747	17.7786	0.0085	0.843847

<i>Psmid2</i>	chr16:20651651-20663414	33.1392	33.8694	0.0314	0.626917
<i>Actr5</i>	chr2:158624887-158639211	11.8490	11.9073	0.0071	0.925492
<i>Syncrip</i>	chr9:88449728-88482574	29.0299	29.1739	0.0071	0.908842
<i>Zfp946</i>	chr17:22424221-22456689	1.1217	1.1671	0.0572	0.774731
<i>Ogfod2</i>	chr5:124112296-124115483	8.8732	9.1010	0.0366	0.593964
<i>Dnajc1</i>	chr2:18195653-18392830	11.3692	11.6228	0.0318	0.623840
<i>Crif3</i>	chr11:80046492-80080991	110.6151	110.9076	0.0038	0.969412
<i>Pacs2</i>	chr12:113014507-113074401	18.2814	18.7411	0.0358	0.712051
<i>Mapk11</i>	chr15:89142485-89149606	24.7964	24.8693	0.0042	0.964676
<i>Zfp799</i>	chr17:32815454-32822200	6.3834	6.5469	0.0365	0.708976
<i>Zfp174</i>	chr16:3847267-3858880	1.3760	1.3722	-0.0041	0.975978
<i>Rpp38</i>	chr2:3328948-3332643	10.6885	11.0173	0.0437	0.786312
<i>Zfp217</i>	chr2:170108642-170148103	33.6306	33.8408	0.0090	0.890894
<i>Taf4a</i>	chr2:179912145-179976646	8.8385	9.0917	0.0407	0.753525
<i>Gnai3</i>	chr3:108107279-108146146	79.5695	79.8149	0.0044	0.960008
<i>Mrvi1</i>	chr7:110868265-110982461	0.6438	0.6714	0.0606	0.720667
<i>Ehmt1</i>	chr2:24790768-24919609	14.7990	14.8821	0.0081	0.899138
<i>Dyx1c1</i>	chr9:72958784-72973064	2.4582	2.5478	0.0517	0.693400
<i>Slc23a2</i>	chr2:132052495-132145108	8.6046	8.8210	0.0358	0.708398
<i>Xpot</i>	chr10:121587379-121626316	10.2663	10.3213	0.0077	0.902372
<i>Gpx3</i>	chr11:54902452-54910377	2.3747	2.3489	-0.0158	0.957393
<i>Nelfa</i>	chr5:33896935-33936413	9.2104	9.4180	0.0322	0.265462
<i>Zfp420</i>	chr7:29859978-29877292	4.1828	4.1801	-0.0009	0.990590
<i>Haus7</i>	chrX:73437314-73459044	11.5960	11.8958	0.0368	0.576967
<i>Mospd2</i>	chrX:164936168-164980375	2.7954	2.7945	-0.0005	0.994491
<i>Cyb5r3</i>	chr15:83153493-83172592	9.2584	9.5131	0.0392	0.813830
<i>Hmox2</i>	chr16:4726360-4766742	30.4725	31.2174	0.0348	0.758324
<i>Ints5</i>	chr19:8892986-8897890	10.4958	10.7551	0.0352	0.610989
<i>Esco1</i>	chr18:10566601-10610352	34.9754	35.0747	0.0041	0.965200
<i>Pnpla7</i>	chr2:24976032-25054057	20.7247	21.1800	0.0314	0.671520
<i>Gm27027</i>	chr2:93956816-93996354	9.0714	9.4012	0.0515	0.745861
<i>Hipk3</i>	chr2:104426480-104494446	25.9787	26.5488	0.0313	0.658676
<i>Cables2</i>	chr2:180258539-180273496	11.5246	11.8055	0.0348	0.700799
<i>Samd10</i>	chr2:181595217-181599212	6.4791	6.6663	0.0411	0.704604
<i>Rnf11</i>	chr4:109451097-109484728	6.9444	6.9217	-0.0047	0.974264
<i>Frbp4</i>	chr2:90745369-90781021	42.9042	43.8158	0.0303	0.673554
<i>Camkk1</i>	chr11:73019007-73042073	2.1525	2.2281	0.0499	0.798487
<i>Smurf1</i>	chr5:144876494-144965847	15.3746	15.4765	0.0095	0.873200
<i>Dok1</i>	chr6:83030933-83033471	11.8224	12.1037	0.0339	0.649556
<i>Cml1</i>	chr6:85910153-85915687	4.9178	4.8524	-0.0193	0.932452
<i>Tma16</i>	chr8:66474329-66486530	2.9038	2.9851	0.0398	0.651909
<i>Clic1</i>	chr17:35049965-35058749	108.8090	111.2245	0.0317	0.696010
<i>Shhg3</i>	chr4:132348013-132353686	428.0043	450.9231	0.0753	0.838713
<i>4833439L19Rik</i>	chr13:54551217-54565435	12.1652	12.2242	0.0070	0.869744
<i>Sult2b1</i>	chr7:45729982-45759612	2.6120	2.5951	-0.0094	0.932234
<i>Aifm1</i>	chrX:48474943-48513563	8.2567	8.4506	0.0335	0.546991
<i>Zfp239</i>	chr6:117862099-117873291	0.9515	0.9316	-0.0305	0.923940
<i>Med12</i>	chrX:101274029-101297465	27.8787	28.0137	0.0070	0.946751
<i>H3f3a</i>	chr1:180800831-180813943	13.0706	13.0270	-0.0048	0.977905
<i>Sra1</i>	chr18:36666680-36671196	21.0845	21.1129	0.0019	0.983466
<i>Lysmd1</i>	chr3:95134087-95139518	4.8903	5.0133	0.0358	0.578429
<i>Orm2</i>	chr4:63362448-63365878	9.3831	9.7676	0.0579	0.821185
<i>Taf1b</i>	chr12:24498580-24558571	25.6590	26.2313	0.0318	0.723744
<i>Rps25</i>	chr9:44407713-44410405	30.7603	31.6233	0.0399	0.845591
<i>Commd5</i>	chr15:76899909-76901305	11.2716	11.6010	0.0416	0.789039
<i>Mtf1</i>	chr4:124802103-124849800	4.4457	4.4628	0.0055	0.954771
<i>Z310067B10Rik</i>	chr11:115765432-115799366	8.9914	9.0262	0.0056	0.962828
<i>Emid1</i>	chr11:5106264-5152257	1.6845	1.7485	0.0538	0.778283
<i>Lmna</i>	chr3:88481147-88509956	2.3766	2.3637	-0.0079	0.972517
<i>Bloc1s5</i>	chr13:38602708-38635109	6.5188	6.4757	-0.0096	0.945867
<i>Nudcd2</i>	chr11:40733666-40740046	13.0767	13.0597	-0.0019	0.987493
<i>Nek8</i>	chr11:78166105-78176675	2.2244	2.2875	0.0403	0.595731
<i>NA</i>	chr5:143548705-143564525	5.8633	6.0193	0.0379	0.686950
<i>Rbm28</i>	chr6:29123572-29165006	15.2752	15.6119	0.0315	0.632929
<i>Vopp1</i>	chr6:57727806-57825154	5.3453	5.4690	0.0330	0.747643
<i>Itpr1</i>	chr6:108213117-108551109	26.9525	27.5940	0.0339	0.760245
<i>Gm7457</i>	chr6:142814230-142833494	1.3802	1.4308	0.0519	0.725002
<i>Akip1</i>	chr7:109703689-109712189	7.5745	7.8197	0.0460	0.822297
<i>Pgm3</i>	chr9:86552475-86571842	10.3590	10.6011	0.0333	0.631311
<i>Pkd1</i>	chr17:24549949-24596514	16.8508	17.3303	0.0405	0.819545
<i>Rab29</i>	chr1:131867223-131872887	18.5319	18.5490	0.0013	0.983375

<i>Cstf3</i>	chr2:104590522-104665429	6.2292	6.3837	0.0354	0.706153
<i>9830144P21Rik</i>	chr2:129205957-129230579	9.1485	9.1733	0.0039	0.968170
<i>Phf20</i>	chr2:156196465-156309952	6.7836	6.9255	0.0298	0.355448
<i>Dbnnd2</i>	chr2:164486105-164493319	1.1618	1.2092	0.0576	0.758809
<i>Rad54l</i>	chr4:116094263-116123690	2.3876	2.3904	0.0017	0.991091
<i>Clasrp</i>	chr7:19581043-19604468	22.7867	23.3577	0.0357	0.698683
<i>St3gal2</i>	chr8:110919921-110972480	3.6503	3.7430	0.0362	0.676277
<i>Nik</i>	chr11:78567167-78697373	29.3593	29.5762	0.0106	0.816764
<i>Pde2a</i>	chr7:101421690-101512829	14.3109	14.0603	-0.0255	0.929906
<i>Fbxo4</i>	chr15:3965444-3979573	5.5190	5.4964	-0.0059	0.951151
<i>Zfyve26</i>	chr12:79232346-79296282	9.0249	9.2558	0.0365	0.778402
<i>Fbxo30</i>	chr10:11281329-11298052	1.4210	1.4197	-0.0013	0.990577
<i>4930556J24Rik</i>	chr11:3937540-3976778	5.4932	5.6704	0.0458	0.667799
<i>Camk2b</i>	chr11:5969643-6066362	1.6907	1.7570	0.0555	0.868853
<i>Aldh3a2</i>	chr11:61223416-61267464	13.2372	13.3146	0.0084	0.814366
<i>Arrb2</i>	chr11:70432634-70440828	82.6547	83.2997	0.0112	0.742558
<i>Gngt2</i>	chr11:95837215-95845734	9.4375	9.4219	-0.0024	0.983748
<i>Stat5a</i>	chr11:100859350-100885169	12.8553	12.9261	0.0079	0.926115
<i>Nbas</i>	chr12:13269126-13583810	11.7528	11.8151	0.0076	0.934942
<i>Zfp87</i>	chr13:67515780-67526177	14.5414	14.8675	0.0320	0.703553
<i>Alkbh2</i>	chr5:114123925-114128218	5.2280	5.2194	-0.0024	0.986434
<i>Krcc1</i>	chr6:71272018-71285318	57.7494	57.8272	0.0019	0.986585
<i>Cd9</i>	chr6:125460265-125494791	14.5954	14.6075	0.0012	0.992168
<i>Lrrc56</i>	chr7:141194156-141210055	0.9569	0.9502	-0.0102	0.918309
<i>Vps35</i>	chr8:85260396-85299513	42.5781	43.5379	0.0322	0.750879
<i>9330175E14Rik</i>	chr8:94422898-94435105	11.9610	12.2609	0.0357	0.764079
<i>1810008B01Rik</i>	chr8:124305131-124306507	10.4918	10.7673	0.0374	0.632890
<i>Sprtn</i>	chr8:124897885-124903813	19.3969	19.4735	0.0057	0.957944
<i>Arhgef12</i>	chr9:42963841-43105718	3.4842	3.5715	0.0357	0.758162
<i>Cox7b</i>	chrX:106015699-106022450	53.3857	54.8797	0.0398	0.827887
<i>Celsr1</i>	chr15:85898757-86033777	14.2191	14.6616	0.0442	0.852056
<i>Snora78</i>	chr17:24719675-24719803	77.4374	76.4782	-0.0180	0.946640
<i>Gm11110</i>	chr17:57092034-57105942	4.5144	4.6655	0.0475	0.826031
<i>Gspt1</i>	chr16:11219291-11254270	23.0298	23.5137	0.0300	0.476688
<i>Pcnx13</i>	chr19:5664634-5688908	14.9233	14.9737	0.0049	0.973900
<i>Rbbp8</i>	chr18:11633275-11743207	7.1547	7.3157	0.0321	0.770328
<i>Nabl</i>	chr2:17343908-17731464	0.4390	0.4305	-0.0282	0.937353
<i>Cry2</i>	chr2:92403645-92434043	3.4687	3.4777	0.0037	0.977481
<i>Snora73a</i>	chr4:132352774-132352979	1990.5272	2093.5914	0.0728	0.847827
<i>9130020K20Rik</i>	chr4:136347285-136350334	4.3498	4.3501	0.0001	0.999473
<i>Sec61g</i>	chr11:16500529-16508484	2.1618	2.1431	-0.0125	0.957516
<i>Mfsd9</i>	chr1:40772037-40790687	0.7732	0.8029	0.0544	0.763669
<i>Ejf2a</i>	chr3:58525820-58557501	11.8686	12.1238	0.0307	0.703014
<i>Zfp938</i>	chr10:82224849-82241280	6.6449	6.6078	-0.0081	0.962131
<i>Rhoq</i>	chr17:86963081-87000069	2.8055	2.7995	-0.0031	0.981347
<i>Mov10</i>	chr3:104794835-104818563	13.6881	13.7154	0.0029	0.986156
<i>Cep89</i>	chr7:35397034-35438689	1.5321	1.5812	0.0455	0.721253
<i>Kif3b</i>	chr2:153291412-153333390	16.9086	17.0112	0.0087	0.880151
<i>Ikbkg</i>	chrX:74393289-74453854	14.5121	14.8129	0.0296	0.663724
<i>Osm</i>	chr11:4236419-4241026	15.2362	15.6262	0.0365	0.754930
<i>Tmc8</i>	chr11:117782075-117793110	36.1004	36.9412	0.0332	0.732570
<i>Mrp133</i>	chr5:31596934-31701972	10.2931	10.3493	0.0078	0.888803
<i>Lin7c</i>	chr2:109890852-109901003	28.2063	28.2779	0.0037	0.972370
<i>Gm10676</i>	chr7:18989553-18992774	3.3880	3.4961	0.0453	0.762419
<i>Gmppb</i>	chr9:108049268-108052801	16.2147	16.3034	0.0079	0.923138
<i>Gm11100</i>	chr14:13918443-13949558	7.1471	7.3402	0.0385	0.797205
<i>Gtf3c3</i>	chr1:54397580-54438971	19.1501	19.5535	0.0301	0.665307
<i>Reps1</i>	chr10:18055860-18125155	16.8451	17.2034	0.0304	0.707173
<i>Gm12264</i>	chr11:59775285-59780321	16.0484	16.0156	-0.0030	0.976826
<i>Tbpl1</i>	chr10:22703878-22731938	18.6093	19.0023	0.0301	0.686046
<i>Crot</i>	chr5:8966032-8997324	13.4800	13.7681	0.0305	0.750056
<i>Spp13</i>	chr5:115011136-115098790	9.7202	9.9722	0.0369	0.761063
<i>Gtf2a2</i>	chr9:70012549-70022866	18.5698	18.6095	0.0031	0.976406
<i>Cyc1</i>	chr15:76343522-76345934	41.0064	41.9073	0.0314	0.702263
<i>Micu2</i>	chr14:57916279-57999262	34.9037	35.0650	0.0067	0.932148
<i>Senp5</i>	chr16:31962505-32003287	9.2534	9.3113	0.0090	0.851727
<i>Stk38</i>	chr17:28970884-29007945	53.4913	54.5638	0.0286	0.654433
<i>Polr3h</i>	chr15:81915029-81926213	7.2014	7.2314	0.0060	0.938264
<i>Tm9sf2</i>	chr14:122107037-122159604	58.0537	59.2216	0.0287	0.673113
<i>Net1</i>	chr13:3882564-3918220	8.3829	8.5719	0.0322	0.687635
<i>Gimap1os</i>	chr6:48738345-48740621	48.8164	48.9575	0.0042	0.968959

<i>Psmc4</i>	chr7:28041706-28050101	47.0842	47.3238	0.0073	0.911414
<i>Maged2</i>	chrX:150806369-150814345	1.3131	1.3553	0.0456	0.836172
<i>9430016H08Rik</i>	chr1:57406327-57417953	3.9762	4.0819	0.0379	0.694271
<i>Gas5</i>	chr1:161034421-161038539	100.9342	101.4599	0.0075	0.920797
<i>Haus1</i>	chr18:77757566-77767780	18.6629	19.1590	0.0378	0.803908
<i>Fchsdl</i>	chr18:37957430-37969774	6.6669	6.8311	0.0351	0.702775
<i>Gm11766</i>	chr11:119938510-119942074	1.8540	1.9279	0.0564	0.836446
<i>Cipc</i>	chr12:86947342-86965362	8.0036	8.0492	0.0082	0.811510
<i>Arhgap10</i>	chr8:77250365-77517907	10.7940	11.0483	0.0336	0.662736
<i>Coa6</i>	chr8:126422500-126425434	14.5091	14.8827	0.0367	0.726717
<i>Ube2q2</i>	chr9:55148853-55207529	7.4394	7.4497	0.0020	0.985091
<i>Gm16618</i>	chr16:20511132-20517766	4.2052	4.1624	-0.0148	0.911310
<i>Mms19</i>	chr19:41941085-41981157	15.1475	15.2688	0.0115	0.805819
<i>Dip2a</i>	chr10:76259428-76345291	1.7971	1.8496	0.0416	0.832169
<i>Pgpep1</i>	chr8:70646435-70659738	0.8221	0.8579	0.0614	0.808965
<i>Gm14798</i>	chrX:94028853-94099304	10.6195	10.9097	0.0389	0.793212
<i>Rps24</i>	chr14:24490680-24496146	837.8575	829.0848	-0.0152	0.947350
<i>Spcs1</i>	chr14:30999825-31001672	26.2197	26.2158	-0.0002	0.998775
<i>Tbc1d5</i>	chr17:50733126-51179349	6.8131	6.9635	0.0315	0.648316
<i>Cln2</i>	chr16:20702963-20717746	0.8336	0.8657	0.0544	0.788921
<i>Tceb3</i>	chr4:136003367-136021763	23.7411	23.8737	0.0080	0.908679
<i>Gm21987</i>	chr16:38347039-38362297	25.0489	24.9349	-0.0066	0.966839
<i>Pus7</i>	chr5:23740647-23783711	4.9073	5.0267	0.0347	0.781227
<i>Pomp</i>	chr5:147860627-147875778	64.4500	66.0315	0.0350	0.796635
<i>Htatip2</i>	chr7:49759105-49773999	10.0845	10.3817	0.0419	0.761003
<i>Trappc2</i>	chrX:166440573-166453140	2.0536	2.0502	-0.0024	0.984143
<i>Dyrk1a</i>	chr16:94570009-94695517	28.0567	28.6105	0.0282	0.583804
<i>Ctsz</i>	chr2:174427492-174439039	24.1976	24.2048	0.0004	0.997646
<i>Mrpl53</i>	chr6:83109094-83109939	19.9478	19.9273	-0.0015	0.989271
<i>Ube2w</i>	chr1:16540789-16619489	5.3567	5.4901	0.0355	0.837658
<i>Emc2</i>	chr15:43477228-43527777	35.6484	35.6445	-0.0002	0.999107
<i>Tcp11l2</i>	chr10:84576625-84614359	32.0165	32.1881	0.0077	0.916447
<i>Chek2</i>	chr5:110840016-110874133	2.5576	2.6389	0.0451	0.821052
<i>Pnpla6</i>	chr8:3515383-3544266	9.8160	9.8607	0.0066	0.960949
<i>Cdkn2aip</i>	chr8:47709343-477113931	17.2266	17.5728	0.0287	0.626602
<i>Acd</i>	chr8:105698158-105701095	12.9478	13.0145	0.0074	0.930329
<i>Tcta</i>	chr9:108302958-108305951	11.9672	12.2609	0.0350	0.769460
<i>Gm9938</i>	chr19:23723278-23725034	13.5560	13.5785	0.0024	0.981392
<i>Xpnppe1</i>	chr19:52943416-53040214	6.0108	6.1394	0.0305	0.504554
<i>Nhlrc2</i>	chr19:56548260-56598846	14.0511	14.3474	0.0301	0.596498
<i>Stat4</i>	chr1:51987147-52107188	60.4419	60.7265	0.0068	0.938081
<i>Eij2d</i>	chr1:131153180-131187658	13.4915	13.7663	0.0291	0.646997
<i>Pdix</i>	chr2:103021074-103073513	5.6794	5.6851	0.0015	0.988094
<i>mt-Co1</i>	chrM:5327-6872	3017.4124	3033.9073	0.0079	0.922840
<i>Lias</i>	chr5:65391496-65410693	7.6780	7.8409	0.0303	0.707244
<i>Itfg2</i>	chr6:128409443-128424931	4.6418	4.6596	0.0055	0.971208
<i>Ufsp2</i>	chr8:45975527-45996958	11.5887	11.6204	0.0039	0.956316
<i>Scyl2</i>	chr10:89638720-89686285	9.8250	9.8839	0.0086	0.880599
<i>Tulp4</i>	chr17:6106436-6251128	4.5102	4.6108	0.0318	0.678580
<i>Vps41</i>	chr13:18717291-18866809	33.6730	34.3192	0.0274	0.604433
<i>Rdm1</i>	chr11:101627194-101636100	8.3557	8.3661	0.0018	0.983334
<i>Zfp85</i>	chr13:67747799-67755228	8.9667	9.1680	0.0320	0.708348
<i>Raf1</i>	chr6:115618066-115676635	41.7211	41.9834	0.0090	0.912577
<i>Ammecr1l</i>	chr18:31759823-31784071	11.3377	11.4040	0.0084	0.918102
<i>Nop56</i>	chr2:130274429-130279313	32.5212	33.1796	0.0289	0.514080
<i>Rapgef2</i>	chr3:79062515-79181340	9.9932	10.0722	0.0114	0.736843
<i>Ranbp2</i>	chr10:58446851-58494155	72.5356	73.9754	0.0284	0.683578
<i>Poc1b</i>	chr10:99107035-99198074	5.4974	5.6532	0.0403	0.812578
<i>9330160F10Rik</i>	chr11:69057717-69060483	4.4164	4.5331	0.0376	0.815095
<i>Osbpl7</i>	chr11:97050627-97068904	7.3349	7.5124	0.0345	0.704424
<i>2610035D17Rik</i>	chr11:113043894-113201838	10.1952	10.2444	0.0070	0.942143
<i>Zfp277</i>	chr12:40315045-40445790	13.7439	13.7702	0.0028	0.976437
<i>Rheb</i>	chr5:24802822-24842624	9.4750	9.6773	0.0305	0.697752
<i>Tufm</i>	chr7:126487354-126490730	3.9947	4.1132	0.0422	0.542730
<i>Doc2a</i>	chr7:126847415-126852705	4.6770	4.7932	0.0354	0.706834
<i>Unc13a</i>	chr8:71624416-71671757	1.5703	1.5734	0.0028	0.988789
<i>Plp1</i>	chrX:136822670-136839733	1.0790	1.0782	-0.0011	0.992703
<i>Fam199x</i>	chrX:137049593-137082503	5.3870	5.5088	0.0323	0.748882
<i>Extl3</i>	chr14:65052059-65098106	13.9515	14.2713	0.0327	0.724231
<i>1600002H07Rik</i>	chr17:24215053-24220851	3.1096	3.0902	-0.0090	0.949778
<i>Znrd1</i>	chr17:36954357-36958559	31.9274	32.7354	0.0361	0.828624

<i>Mrps10</i>	chr17:47368886-47381417	4.7204	4.7467	0.0080	0.923366
<i>Srsf7</i>	chr17:80200088-80207305	76.8313	77.3815	0.0103	0.853857
<i>Txndc11</i>	chr16:11074910-11134650	7.6547	7.7065	0.0097	0.910541
<i>Rnf2</i>	chr1:151469405-151500823	37.4366	37.5260	0.0034	0.977934
<i>Zfp335</i>	chr2:164891881-164911757	21.9230	22.4512	0.0343	0.760190
<i>Fmo5</i>	chr3:97628803-97655282	1.6349	1.6883	0.0463	0.788113
<i>Rnf19b</i>	chr4:129058270-129085886	19.2895	19.3376	0.0036	0.978959
<i>Stx12</i>	chr4:132853500-132884509	10.5568	10.7869	0.0311	0.739319
<i>Gskip</i>	chr12:105685351-105703047	8.9530	8.9790	0.0042	0.964154
<i>Gpi1</i>	chr7:34202121-34230289	46.4627	46.7270	0.0082	0.931438
<i>4632427E13Rik</i>	chr7:92734165-92741468	20.0444	20.4783	0.0309	0.788837
<i>Tiparp</i>	chr3:65528409-65555145	10.5222	10.5833	0.0084	0.842557
<i>Ublcp1</i>	chr11:44454570-44470498	4.5796	4.5591	-0.0065	0.964653
<i>Nsdhl</i>	chrX:72918556-72958514	4.4104	4.5446	0.0433	0.774893
<i>Slc10a1</i>	chr12:80953184-80968079	7.4595	7.6599	0.0382	0.785916
<i>Zscan25</i>	chr5:145283342-145291469	11.6212	11.8898	0.0330	0.549884
<i>Zfp593</i>	chr4:134243288-134245592	9.3081	9.5447	0.0362	0.780417
<i>Wdr37</i>	chr13:8802967-8871909	13.2847	13.3871	0.0111	0.841546
<i>Galnt3</i>	chr5:110544344-110621382	2.1200	2.1880	0.0456	0.839001
<i>S100a10</i>	chr3:93555079-93564643	141.9365	145.4283	0.0351	0.845744
<i>Chfr</i>	chr5:110135839-110171972	36.2206	36.4865	0.0106	0.845395
<i>Gm16982</i>	chr7:141610065-141613747	6.2154	6.2427	0.0063	0.942330
<i>Ipo9</i>	chr1:135382311-135430499	13.1083	13.3820	0.0298	0.643406
<i>Mpp7</i>	chr18:7347961-7626863	2.8799	2.8759	-0.0020	0.987454
<i>Serf2</i>	chr2:121449194-121458313	22.9957	23.4731	0.0296	0.692210
<i>Lmbr1l</i>	chr15:98903920-98918231	29.9754	30.6013	0.0298	0.732857
<i>Gm15492</i>	chr6:113308665-113326747	8.3920	8.6970	0.0515	0.828010
<i>Abcb10</i>	chr8:123952458-123983122	1.5407	1.5786	0.0351	0.834935
<i>Dnaja4</i>	chr9:54698872-54716315	2.0970	2.1671	0.0474	0.852058
<i>NA</i>	chr11:76179670-76214816	7.2173	7.3932	0.0347	0.697008
<i>Erich1</i>	chr8:14027564-14090327	12.3161	12.3586	0.0050	0.958242
<i>Slc16a4</i>	chr3:107291229-107312115	2.0220	2.0231	0.0008	0.995631
<i>Ptger4</i>	chr15:5206660-5244187	12.3787	12.4456	0.0078	0.940215
<i>Pitpna</i>	chr11:75588096-75628804	47.2661	48.2618	0.0301	0.726022
<i>Gm20499</i>	chr5:114809035-114823460	13.1332	13.1328	0.0000	0.999624
<i>Mtpn</i>	chr6:35508905-35539888	45.5273	46.4424	0.0287	0.736429
<i>Trbv2</i>	chr6:41047555-41047995	104.7281	107.0456	0.0316	0.797214
<i>Zfp467</i>	chr6:48427696-48445825	3.0790	3.0949	0.0074	0.948973
<i>Gm15135</i>	chr7:104261464-104262174	53.3252	53.4674	0.0038	0.973496
<i>Rplp2</i>	chr7:141447369-141451585	114.9152	114.1803	-0.0093	0.967654
<i>Zswim8</i>	chr14:20707551-20723618	20.3692	20.8280	0.0321	0.782371
<i>Lactb2</i>	chr1:13624844-13660546	11.0209	11.2672	0.0319	0.806877
<i>Rabif</i>	chr1:134494659-134507882	24.3577	24.4568	0.0059	0.954745
<i>Accs</i>	chr2:93833466-93849943	3.7619	3.8497	0.0333	0.784882
<i>Ndufaf1</i>	chr2:119655445-119662827	11.7899	12.0485	0.0313	0.815071
<i>Snx21</i>	chr2:164785822-164793816	3.4015	3.4877	0.0361	0.728748
<i>Atp5e</i>	chr2:174461071-174464105	31.3408	32.1782	0.0380	0.860282
<i>Ccrn4l</i>	chr3:51224446-51251644	2.0253	2.0338	0.0060	0.964932
<i>Aldh1b1</i>	chr4:45799021-45804604	3.7635	3.8601	0.0365	0.613069
<i>Rnu11</i>	chr4:132270079-132270213	68.9484	67.9203	-0.0217	0.950439
<i>Dffa</i>	chr4:149104145-149120647	9.6041	9.6707	0.0100	0.868660
<i>Pgd</i>	chr4:149149990-149166771	6.1734	6.2117	0.0089	0.913965
<i>Smim1</i>	chr4:154020469-154026230	2.6849	2.7639	0.0418	0.796897
<i>Rpl9</i>	chr5:65388363-65391443	13.3170	13.3976	0.0087	0.904842
<i>Numa1</i>	chr7:101969842-102014959	90.2432	91.0082	0.0122	0.845004
<i>Rbbp9</i>	chr2:144542264-144550869	3.9172	4.0131	0.0349	0.814436
<i>Trove2</i>	chr1:143750789-143777068	2.0885	2.0977	0.0064	0.910974
<i>Athl1</i>	chr7:140941390-140947664	12.5364	12.6174	0.0093	0.906686
<i>Smim15</i>	chr13:108046423-108049146	50.4159	51.5684	0.0326	0.831065
<i>Rpl5</i>	chr5:107900501-107909005	20.8987	21.3059	0.0278	0.663714
<i>Gmeb2</i>	chr2:181251448-181288035	12.6604	12.7611	0.0114	0.879697
<i>Rasal1</i>	chr5:120648811-120679597	10.5297	10.5756	0.0063	0.966020
<i>Ankrd61</i>	chr5:143890740-143897685	3.6015	3.5990	-0.0010	0.994772
<i>2510046G10Rik</i>	chr7:126649222-126649570	12.0720	12.0535	-0.0022	0.988323
<i>Myo9b</i>	chr8:71272713-71360712	43.6301	44.5058	0.0287	0.706782
<i>Nrg4</i>	chr9:55220221-55326844	2.5678	2.5681	0.0002	0.998646
<i>Ipk2</i>	chr9:108795993-108806333	19.1035	19.1998	0.0073	0.899959
<i>Slc25a5</i>	chrX:36795650-36798807	56.0046	56.2659	0.0067	0.950793
<i>Glud1</i>	chr14:34310726-34345144	55.2618	55.6842	0.0110	0.861176
<i>Igf2r</i>	chr17:12682405-12769664	32.9346	33.1790	0.0107	0.890868
<i>D330041H03Rik</i>	chr17:24404648-24414542	14.3082	14.4096	0.0102	0.899793

Gm16069	chr3:89180754-89182293	25.9310	26.6733	0.0407	0.785461
Stoml2	chr4:43027689-43031710	11.1553	11.1910	0.0046	0.962084
Id3	chr4:136143496-136145755	23.8442	24.4132	0.0340	0.808591
Prune	chr3:95253673-95282076	4.2906	4.3058	0.0051	0.970459
Pex13	chr11:23646478-23665959	5.5054	5.6185	0.0293	0.692243
Gm20460	chr17:34614483-34627349	5.6540	5.6663	0.0031	0.989219
Aplp2	chr9:31149556-31211815	20.0312	20.1816	0.0108	0.817469
Smarca5	chr8:80698506-80739497	15.3221	15.4202	0.0092	0.885309
Gm11427	chr11:83254195-83260534	5.0936	5.0948	0.0004	0.998378
Amica1	chr9:45079182-45108530	8.0272	8.0463	0.0034	0.978617
Btf3l4	chr4:108814294-108833614	2.8612	2.8637	0.0013	0.989246
Rap1b	chr10:117814470-117845935	216.9644	218.1451	0.0078	0.937118
A530054K11Rik	chr13:67617000-67637791	12.4412	12.5166	0.0087	0.899789
Zfp825	chr13:74480516-74482943	5.1495	5.2870	0.0380	0.779423
Fbxo25	chr8:13907805-13940521	14.2873	14.3465	0.0060	0.943608
Acsbg1	chr9:54604876-54661870	3.3124	3.4069	0.0406	0.864783
Klhl15	chrX:94234598-94277724	2.8664	2.9332	0.0332	0.679584
Eif3e	chr15:43250039-43282736	155.8994	156.3391	0.0041	0.977304
Dgcr8	chr16:18253947-18289249	14.0504	14.1753	0.0128	0.766712
Pigp	chr16:94358762-94371015	9.0240	9.2410	0.0343	0.839850
Csf2ra	chr19:61224401-61228418	2.1207	2.2020	0.0543	0.786713
Ahctf1	chr1:179744893-179803680	33.3580	33.6276	0.0116	0.848080
Cd160	chr3:96798762-96829351	3.1690	3.2539	0.0382	0.870757
Mthfr	chr4:148039076-148059551	5.6389	5.6675	0.0073	0.964890
Zwint	chr10:72654844-72674964	14.1425	14.2501	0.0109	0.782311
Prdm4	chr10:85891969-85916945	16.0587	16.3762	0.0282	0.599213
Dyrk2	chr10:118859348-118868903	37.6193	38.4753	0.0325	0.765136
Dctn2	chr10:127266261-127281959	43.8005	44.0795	0.0092	0.904680
Gm22123	chr11:6472224-6472277	125.4740	128.8669	0.0385	0.835790
Slc36a1	chr11:55204349-55236330	5.1764	5.3001	0.0341	0.785115
Adprm	chr11:67037904-67052594	14.3303	14.6225	0.0291	0.797811
Mttr4	chr11:87592161-87616302	12.0383	12.1292	0.0108	0.900712
Cdk5rap3	chr11:96907425-96916496	15.4211	15.5391	0.0110	0.870124
Vps25	chr11:101253706-101259549	21.5862	21.7348	0.0099	0.902049
Gpatch8	chr11:102475914-102556392	13.5436	13.7952	0.0266	0.500967
Cdc27	chr11:104502744-104550620	19.6496	20.0050	0.0259	0.589334
Acox1	chr11:116171887-116199045	8.6083	8.7845	0.0292	0.654207
Scfd1	chr12:51377579-51450096	36.4231	37.1162	0.0272	0.732458
Fcf1	chr12:84970896-84983303	16.9366	17.2906	0.0298	0.725309
Ndufs4	chr13:114287794-114388094	28.1709	28.2378	0.0034	0.979062
Caprin2	chr6:148842491-148896237	1.1881	1.2187	0.0366	0.825433
AW146154	chr7:41478879-41499890	4.0646	4.0701	0.0019	0.977710
Prr14	chr7:127459610-127476759	17.6799	18.0853	0.0327	0.737559
Tti2	chr8:31150315-31164702	16.0591	16.1675	0.0097	0.876812
Siah1a	chr8:86723939-86746006	19.0506	19.1739	0.0093	0.854184
Terf2	chr8:107069399-107096547	11.5672	11.7986	0.0286	0.441996
Zw10	chr9:49055580-49078772	20.8347	21.2222	0.0266	0.590688
Pik3cb	chr9:99038401-99140621	2.6740	2.6839	0.0053	0.964442
Rhoa	chr9:108306204-108337939	52.8733	54.0126	0.0308	0.792610
Nckip5d	chr9:108808379-108818366	3.1891	3.2751	0.0384	0.791797
Vma21	chrX:71815923-71839757	1.1002	1.1260	0.0335	0.797046
Hccs	chrX:169250192-169320372	6.8139	6.9488	0.0283	0.775787
Azin1	chr15:38487429-38519266	24.4209	24.9001	0.0280	0.781699
Dhrs4	chr14:55478757-55490338	10.2020	10.2233	0.0030	0.970256
Zfp760	chr17:21707740-21725636	3.8548	3.8545	-0.0001	0.999431
Khrrp	chr17:57021057-57031507	21.6818	22.1655	0.0318	0.754920
Ptplb	chr16:35022420-35109175	1.5992	1.6474	0.0428	0.592307
Kpna1	chr16:35978749-36037131	12.0506	12.1320	0.0097	0.872604
Ccdc88b	chr19:6844622-6858211	45.8811	46.9129	0.0321	0.789666
Slc35a4	chr18:36679578-36683858	12.5004	12.7546	0.0291	0.668195
Lars	chr18:42202349-42262122	33.5585	34.1648	0.0258	0.506489
Csnk1a1	chr18:61555273-61590061	51.1468	51.5519	0.0114	0.840500
Fbxw2	chr2:34804513-34826311	20.9799	21.3637	0.0262	0.405155
Dnmt3b	chr2:153649449-153687730	2.7486	2.7621	0.0071	0.961344
Cdk5rap1	chr2:154335379-154373010	7.8092	7.6943	-0.0214	0.955368
Bmp7	chr2:172868011-172940321	1.0682	1.0473	-0.0286	0.955589
Proser1	chr3:53463665-53481755	2.2118	2.2726	0.0391	0.750102
5830417110Rik	chr3:88775215-88826328	3.1824	3.2525	0.0314	0.592527
Tars2	chr3:95739975-95754977	17.0696	17.2046	0.0114	0.888878
Thap3	chr4:151982638-151988997	20.6274	20.7856	0.0110	0.917085
Ero1lb	chr13:12565882-12609526	5.7074	5.7259	0.0047	0.976023

<i>Pcnx14</i>	chr12:72536356-72580213	2.4180	2.4333	0.0092	0.920839
<i>Stoml1</i>	chr9:58253163-58262523	12.8999	12.9710	0.0079	0.947288
<i>Nfkbib</i>	chr7:28758250-28767512	9.0504	9.2712	0.0348	0.774367
<i>Snrpc</i>	chr17:27839973-27851968	3.2323	3.3039	0.0316	0.657901
<i>Tsen2</i>	chr6:115544663-115578350	1.7550	1.7655	0.0087	0.937432
<i>Vps9d1</i>	chr8:123242355-123254348	6.1398	6.1851	0.0106	0.914089
<i>2210404O09Rik</i>	chr17:21879569-21908092	6.7900	6.9359	0.0307	0.845195
<i>Chmp4b</i>	chr2:154651704-154694785	89.9668	90.6147	0.0104	0.884838
<i>Tnfrsf8</i>	chr18:49979426-50107173	8.9671	9.1674	0.0319	0.834392
<i>1810032O08Rik</i>	chr11:116671659-116675799	6.2286	6.2615	0.0076	0.905186
<i>Cutc</i>	chr19:43752995-43768638	4.1219	4.2416	0.0413	0.630433
<i>Ccny11</i>	chr1:64690454-64725644	1.4683	1.5104	0.0408	0.708664
<i>Dusp19</i>	chr2:80617044-80632361	3.6657	3.6719	0.0024	0.974564
<i>Isoc1</i>	chr18:58659481-58679570	24.0457	24.2390	0.0115	0.806002
<i>Lmtk2</i>	chr5:144100435-144188204	11.2112	11.4607	0.0318	0.820962
<i>Hist1h4k</i>	chr13:21750193-21750505	68.7593	67.8554	-0.0191	0.951770
<i>Strap</i>	chr6:137735077-137751932	29.7452	29.9511	0.0100	0.877301
<i>Klhdc4</i>	chr8:121796312-121829569	6.7522	6.7848	0.0070	0.931410
<i>Mturn</i>	chr6:54681771-54700406	20.9395	21.3836	0.0303	0.805732
<i>Dock5</i>	chr14:67751927-67933572	1.9975	2.0122	0.0106	0.920285
<i>Nrarp</i>	chr2:25180757-25183330	2.0282	2.0266	-0.0011	0.995830
<i>H2-T22</i>	chr17:36037127-36042747	45.2727	46.1618	0.0281	0.703774
<i>Cenpo</i>	chr12:4196003-4234294	6.6582	6.7028	0.0096	0.936238
<i>Wdr41</i>	chr13:94976343-95023314	6.0167	6.0474	0.0073	0.923317
<i>Gm14820</i>	chrX:8049171-8074619	4.2045	4.2119	0.0026	0.963400
<i>Gm15932</i>	chr14:55567218-55575991	16.9087	17.3869	0.0402	0.811030
<i>Mrpl40</i>	chr16:18872017-18876767	27.9623	28.0572	0.0049	0.967118
<i>Pan2</i>	chr10:128303334-128321358	13.7608	14.0522	0.0302	0.692562
<i>Eftud2</i>	chr11:102838472-102880985	11.5474	11.6529	0.0131	0.797162
<i>Arl16</i>	chr11:120464865-120467607	5.0172	5.1308	0.0323	0.731425
<i>Mier3</i>	chr13:111686177-111718596	11.7851	11.8595	0.0091	0.915662
<i>Wdr19</i>	chr5:65199695-65260415	2.6971	2.7614	0.0340	0.706269
<i>2900076A07Rik</i>	chr7:81523549-81531498	18.6438	18.9941	0.0269	0.733784
<i>Armc8</i>	chr9:99478390-99568899	18.1744	18.3234	0.0118	0.761454
<i>Gm12802</i>	chr4:107126612-107136252	2.5144	2.5878	0.0415	0.698077
<i>Fhl3</i>	chr4:124700700-124708611	4.7168	4.8556	0.0418	0.777022
<i>Traj21</i>	chr14:54198789-54198846	284.5100	291.2146	0.0336	0.719420
<i>Rnf38</i>	chr4:44126209-44233789	19.7307	19.9027	0.0125	0.877659
<i>Smarca4</i>	chr9:21616168-21704230	35.7852	36.5296	0.0297	0.766908
<i>1110051M20Rik</i>	chr2:91275067-91444704	8.6071	8.6805	0.0123	0.892717
<i>Gba2</i>	chr4:43566927-43578873	18.0589	18.4485	0.0308	0.741785
<i>Tnrc6c</i>	chr11:117654288-117763439	21.8006	22.2518	0.0296	0.758981
<i>Tmem106c</i>	chr15:97964228-97970286	6.0736	6.0810	0.0017	0.989305
<i>5830432E09Rik</i>	chr7:135635930-135652314	2.6563	2.6678	0.0062	0.928230
<i>Fbxo42</i>	chr4:141147912-141204062	6.3478	6.3961	0.0109	0.919700
<i>Pcmt1</i>	chr10:7629372-7681136	12.3462	12.4280	0.0095	0.888858
<i>Nae1</i>	chr8:104511027-104534637	12.4350	12.4869	0.0060	0.962100
<i>Folr4</i>	chr9:14885813-14903949	44.9712	45.0918	0.0039	0.984204
<i>Armcx2</i>	chrX:134804144-134809221	8.1876	8.2460	0.0103	0.827498
<i>Tfam</i>	chr10:71225463-71238280	19.5433	19.6763	0.0098	0.902239
<i>Rnf215</i>	chr11:4135201-4141172	15.2192	15.3453	0.0119	0.749549
<i>4930470G03Rik</i>	chr13:21440470-21445934	32.3907	32.6152	0.0100	0.889015
<i>Slain2</i>	chr5:72914303-72978829	16.7556	17.0514	0.0252	0.531540
<i>Shfm1</i>	chr6:6557293-6578658	43.2834	43.3679	0.0028	0.988027
<i>Rnf103</i>	chr6:71493893-71525020	11.3672	11.4437	0.0097	0.900503
<i>Ube2s</i>	chr7:4808154-4812351	7.3360	7.5259	0.0369	0.757177
<i>Acer3</i>	chr7:98213657-98321208	2.7387	2.8006	0.0322	0.734469
<i>Ier2</i>	chr8:84661330-84662852	51.5068	51.8245	0.0089	0.955508
<i>Tgm4</i>	chr9:123034738-123067561	1.6783	1.7179	0.0337	0.769533
<i>A430057M04Rik</i>	chr14:21847577-21856926	0.9723	0.9750	0.0040	0.976883
<i>Zfp142</i>	chr1:74565126-74588246	4.0309	4.0659	0.0125	0.889985
<i>Fam174a</i>	chr1:95313627-95335284	7.5230	7.6775	0.0293	0.820112
<i>D1Ert622e</i>	chr1:97643902-97662074	6.2254	6.2615	0.0083	0.927951
<i>Cdca7</i>	chr2:72476158-72486893	3.7536	3.7647	0.0043	0.954182
<i>Ttl</i>	chr2:129065941-129096283	2.1306	2.1838	0.0356	0.788501
<i>Slc33a1</i>	chr3:63933506-63964768	11.3974	11.6118	0.0269	0.666197
<i>Gm11737</i>	chr11:118204711-118205179	9.1314	9.1648	0.0053	0.983536
<i>Nbn</i>	chr4:15957924-15992589	19.7465	19.8551	0.0079	0.925876
<i>Vezt</i>	chr10:93939164-94035817	2.3070	2.3541	0.0292	0.653800
<i>Ifi47</i>	chr11:49076586-49096974	126.3773	127.3879	0.0115	0.863763
<i>Stt3a</i>	chr9:36731274-36767679	17.2045	17.5095	0.0254	0.579939

<i>Herc1</i>	chr9:66350449-66508775	29.0271	29.2858	0.0128	0.881182
<i>1110012L19Rik</i>	chrX:70385876-70389417	9.1709	9.3608	0.0296	0.802454
<i>Ddt</i>	chr10:75771229-75773414	14.4206	14.7566	0.0332	0.858192
<i>Arid3a</i>	chr10:79927042-79955018	3.4918	3.5078	0.0066	0.962316
<i>B4galnt1</i>	chr10:127165155-127172340	172.3476	173.7627	0.0118	0.911163
<i>Zppb</i>	chr11:11279625-11462408	1.7528	1.7567	0.0032	0.973931
<i>Cisd3</i>	chr11:97685825-97688621	9.1798	9.1953	0.0024	0.981509
<i>Thra</i>	chr11:98740637-98769006	4.0678	4.0939	0.0092	0.953409
<i>Usp36</i>	chr11:118259650-118290244	9.9996	10.2284	0.0326	0.832224
<i>Ccdc127</i>	chr13:74350308-74365783	6.1744	6.2238	0.0115	0.728932
<i>Sept11</i>	chr5:93093456-93174958	12.3638	12.6112	0.0286	0.715736
<i>Eij2ak1</i>	chr5:143817787-143904256	10.7551	10.9554	0.0266	0.640360
<i>Aplf</i>	chr6:87628428-87672168	2.7157	2.7255	0.0052	0.964020
<i>Gabrapl1</i>	chr6:129533199-129542331	2.4535	2.5238	0.0407	0.910167
<i>Cyth2</i>	chr7:45806636-45814581	21.9721	22.1653	0.0126	0.813568
<i>Mvp</i>	chr7:126986859-127014621	19.9635	20.1308	0.0120	0.876993
<i>Tspan4</i>	chr7:141475239-141493427	1.9248	1.9903	0.0483	0.861036
<i>Pet100</i>	chr8:3621550-3624231	23.3358	23.8490	0.0314	0.865352
<i>Mmaa</i>	chr8:79266423-79294956	3.6079	3.6909	0.0328	0.796526
<i>BC023829</i>	chrX:70459752-70477180	7.3315	7.4803	0.0290	0.555194
<i>Gyk</i>	chrX:85701936-85776819	1.1082	1.1085	0.0003	0.998376
<i>Fam120c</i>	chrX:151344174-151471842	3.2083	3.2340	0.0115	0.896393
<i>Fam84b</i>	chr15:60818995-60825080	6.5043	6.6361	0.0289	0.728541
<i>Copz1</i>	chr15:103272910-103299862	26.7191	27.2863	0.0303	0.817233
<i>Khynyn</i>	chr14:55884968-55896781	39.7848	40.5534	0.0276	0.747887
<i>Cog3</i>	chr14:75702350-75754493	25.0945	25.5323	0.0250	0.370263
<i>Sik1</i>	chr17:31844247-31855792	4.8442	4.9500	0.0312	0.625841
<i>Pbx2</i>	chr17:34591265-34597400	24.7380	25.1986	0.0266	0.633209
<i>Aip</i>	chr19:4114445-4125858	27.6821	28.2889	0.0313	0.803518
<i>Dnpep</i>	chr1:75307895-75317637	12.9349	13.1838	0.0275	0.692522
<i>Nit1</i>	chr1:171338007-171345646	15.2464	15.3752	0.0121	0.707431
<i>0610009O20Rik</i>	chr18:38250248-38262629	17.8400	17.9972	0.0127	0.870037
<i>Gm4951</i>	chr18:60212079-60247820	2.8860	2.7836	-0.0521	0.948990
<i>Hps3</i>	chr3:19995944-20035315	14.6124	14.8717	0.0254	0.666563
<i>Ctso</i>	chr3:81932600-81956725	16.5438	16.6472	0.0090	0.933116
<i>S100a9</i>	chr3:90692631-90695721	11.1400	10.7427	-0.0524	0.946143
<i>Scnm1</i>	chr3:95129535-95134012	25.2068	25.3563	0.0085	0.924068
<i>Phtf1os</i>	chr3:103964535-103968581	14.1094	14.3745	0.0269	0.808432
<i>Dbt</i>	chr3:116513069-116549976	8.2205	8.3904	0.0295	0.623183
<i>Gm11870</i>	chr4:16011004-16012326	4.0381	4.1651	0.0447	0.843865
<i>Klf24</i>	chr4:41390744-41464887	0.9453	0.9444	-0.0014	0.995173
<i>Pabpc4</i>	chr4:123262350-123298925	6.6520	6.7086	0.0122	0.874043
<i>Rnh1</i>	chr7:141160327-141172851	24.9898	25.1398	0.0086	0.927369
<i>Tjap1</i>	chr17:46257850-46283026	5.5627	5.6988	0.0349	0.751130
<i>Bmi1</i>	chr2:18677017-18686629	21.7554	22.1482	0.0258	0.755529
<i>Sub1</i>	chr15:11981338-11996983	40.1798	40.3058	0.0045	0.979624
<i>Osgin2</i>	chr4:15997120-16013888	3.8434	3.9227	0.0295	0.698342
<i>Klh128</i>	chr12:64942439-64965536	17.2438	17.3793	0.0113	0.873791
<i>Arhgap35</i>	chr7:16494472-16614993	6.5394	6.5942	0.0120	0.930983
<i>Nox1</i>	chrX:134086420-134221956	1.9462	1.9880	0.0306	0.838886
<i>2210013O21Rik</i>	chrX:153723589-153741264	6.2534	6.3962	0.0326	0.754066
<i>Arid1b</i>	chr17:4994331-5347656	12.3121	12.5797	0.0310	0.801058
<i>Gid8</i>	chr2:180710116-180718733	20.2542	20.4047	0.0107	0.869822
<i>2010107E04Rik</i>	chr12:111961375-111966977	97.8073	98.0121	0.0030	0.987473
<i>Mcm9</i>	chr10:53536328-53630439	9.9935	10.0870	0.0134	0.862655
<i>Tbrg4</i>	chr11:6615597-6626067	12.6696	12.7888	0.0135	0.868144
<i>Hacl1</i>	chr14:31552904-31641286	3.6542	3.6745	0.0080	0.872849
<i>Hells</i>	chr19:38930914-38971051	2.8299	2.8374	0.0038	0.976725
<i>C330018D20Rik</i>	chr18:56955832-56975368	4.6067	4.7027	0.0298	0.568608
<i>Vcp</i>	chr4:42979962-43000507	15.7858	15.9299	0.0131	0.648880
<i>Pea15a</i>	chr1:172196727-172206804	18.3063	18.6695	0.0283	0.759191
<i>Celf1</i>	chr2:90940381-91019497	29.5232	30.0992	0.0279	0.747571
<i>Ndufa5</i>	chr6:24518665-24528013	21.0248	21.0282	0.0002	0.999165
<i>Eef2k</i>	chr7:120842830-120907219	2.5343	2.5916	0.0323	0.756797
<i>Prkcsh</i>	chr9:22003034-22014219	43.4562	44.2695	0.0268	0.668541
<i>Atad1</i>	chr19:32672562-32712298	45.1855	45.5321	0.0110	0.872922
<i>Lck</i>	chr4:129548343-129573641	240.6464	245.5141	0.0289	0.788151
<i>Ghdc</i>	chr11:100766031-100770957	1.9773	1.9744	-0.0021	0.992582
<i>Cpsf1</i>	chr15:76595808-76607591	27.1446	27.3968	0.0133	0.887221
<i>Uimc1</i>	chr13:55027879-55100300	25.1719	25.5932	0.0239	0.573277
<i>Cyp4v3</i>	chr8:45269670-45333216	2.1483	2.1915	0.0287	0.867054

<i>Eif4e</i>	chr3:138526190-138557599	11.2403	11.4530	0.0270	0.837958
<i>Cmpk1</i>	chr4:114959335-114987241	16.9946	17.3296	0.0282	0.829448
<i>Casp9</i>	chr4:141793611-141815976	3.4374	3.5188	0.0337	0.738393
<i>1700120B22Rik</i>	chr10:63243073-63244148	19.4079	19.5496	0.0105	0.938101
<i>Ppp1r12a</i>	chr10:108162399-108277575	103.4076	105.1841	0.0246	0.734952
<i>Ormdl2</i>	chr10:128817456-128821631	24.4435	24.5999	0.0092	0.928540
<i>Ttc1</i>	chr11:43729511-43748008	20.3087	20.6659	0.0251	0.731934
<i>Gp1ba</i>	chr11:70639121-70642036	3.1240	3.2030	0.0360	0.757864
<i>Kat7</i>	chr11:95274258-95310246	26.2205	26.4758	0.0140	0.732102
<i>Tex2</i>	chr11:106502146-106613423	16.5633	16.8670	0.0262	0.750278
<i>Ube2o</i>	chr11:116537739-116581447	5.2026	5.2446	0.0116	0.931366
<i>Foxk2</i>	chr11:121259989-121309896	9.8326	9.9260	0.0136	0.858856
<i>Aldh2</i>	chr5:121566026-121593824	3.0953	3.1060	0.0050	0.956828
<i>Arl6ip4</i>	chr5:124116088-124118196	23.7095	24.2158	0.0305	0.814636
<i>Zcwpw1</i>	chr5:137787797-137822621	6.2229	6.3611	0.0317	0.839834
<i>Rpl14-ps1</i>	chr7:45324940-45325651	142.1820	146.4062	0.0422	0.881667
<i>A430078G23Rik</i>	chr8:3353414-3390295	61.8849	63.0422	0.0267	0.709282
<i>Hmgxb4</i>	chr8:74993355-75031978	11.2666	11.3612	0.0121	0.825213
<i>Wdr83</i>	chr8:85075034-85081306	12.8280	13.0645	0.0264	0.730277
<i>Hcfc1</i>	chrX:73942791-73966357	18.8419	19.2745	0.0327	0.853636
<i>Taz</i>	chrX:74281911-74290151	19.3413	19.4941	0.0114	0.896239
<i>Gm24201</i>	chr16:23110382-231110507	68.7556	69.1061	0.0073	0.961731
<i>A930006K02Rik</i>	chr16:91465103-91470121	7.7570	7.9655	0.0383	0.756874
<i>Fam178a</i>	chr19:44931118-44983787	22.9646	23.1798	0.0135	0.780318
<i>Rrs1</i>	chr1:9545407-9547454	9.6725	9.7493	0.0114	0.897688
<i>Ccdc115</i>	chr1:34436670-34439672	15.7118	15.7614	0.0045	0.978897
<i>Smarcal1</i>	chr1:72583250-72633134	7.6444	7.7908	0.0274	0.636911
<i>Lnp</i>	chr2:74520290-74579435	4.2747	4.3055	0.0103	0.907453
<i>Gm561</i>	chr2:144594053-144595366	9.8949	10.1046	0.0303	0.818858
<i>Fam63a</i>	chr3:95281344-95296166	5.3920	5.4406	0.0129	0.830349
<i>Gbp2</i>	chr3:142620601-142638008	79.0362	80.6436	0.0290	0.840417
<i>Usp45</i>	chr4:21767155-21837872	13.8019	14.0517	0.0259	0.721537
<i>Cpt2</i>	chr4:107903980-107923610	4.5159	4.6311	0.0364	0.826512
<i>Rlf</i>	chr4:121145372-121215084	27.7243	28.2036	0.0247	0.707819
<i>Gm16008</i>	chr4:156022007-156031643	20.3318	20.4362	0.0074	0.952275
<i>Stap1</i>	chr5:86071745-86103993	19.5358	19.8783	0.0251	0.747992
<i>Hrsp12</i>	chr15:34484020-34495255	2.7126	2.7665	0.0284	0.880315
<i>Gm9754</i>	chr5:118065359-118069710	2.7550	2.8336	0.0406	0.857978
<i>Ctsb</i>	chr14:63122461-63145919	33.4458	34.1149	0.0286	0.846459
<i>Hbp1</i>	chr12:31926253-31950535	39.0718	39.7469	0.0247	0.712541
<i>Ergic2</i>	chr6:148179078-148212374	14.0774	14.3163	0.0243	0.618330
<i>Leng9</i>	chr7:4148182-4149872	9.3166	9.5097	0.0296	0.745220
<i>Golga5</i>	chr12:102469133-102497902	36.6696	37.3000	0.0246	0.706231
<i>Fkbp1</i>	chr17:34644763-34646324	3.1708	3.1646	-0.0028	0.981040
<i>Rwdd1</i>	chr10:33996554-34019624	11.2200	11.2463	0.0034	0.979650
<i>Psmc1</i>	chr12:100110185-100123364	47.6837	47.9978	0.0095	0.924514
<i>Aars</i>	chr8:111033143-111057664	16.1636	16.3242	0.0143	0.848096
<i>Rhebl1</i>	chr15:98877777-98881404	5.1206	5.1380	0.0049	0.971285
<i>Acot2</i>	chr12:83987860-83993873	9.1862	9.3567	0.0265	0.732381
<i>Naa35</i>	chr13:59585258-59634798	6.3579	6.4078	0.0113	0.860097
<i>Ppp6r2</i>	chr15:89253034-89286261	22.8103	23.0470	0.0149	0.796631
<i>Gm5239</i>	chr18:35536582-35536951	18.6692	18.5472	-0.0095	0.975872
<i>NA</i>	chr3:90062795-90068347	9.3466	9.5293	0.0279	0.589886
<i>Zfp951</i>	chr5:104814342-104828957	4.6879	4.6746	-0.0041	0.991771
<i>Rps15a-ps5</i>	chr5:105797286-105797743	49.6352	51.1530	0.0435	0.893463
<i>Mplkip</i>	chr13:17695412-17699105	14.2433	14.4935	0.0251	0.417070
<i>Snx10</i>	chr6:51523900-51590679	2.4620	2.5117	0.0288	0.891020
<i>Psmc6</i>	chr14:45329823-45349071	64.2994	64.6566	0.0080	0.954705
<i>Snx32</i>	chr19:5495277-5510489	11.5966	11.8451	0.0306	0.819993
<i>B2m</i>	chr2:122147685-122153083	3097.0925	3116.7101	0.0091	0.946994
<i>Dennd2d</i>	chr3:106482404-106503030	95.6943	97.3445	0.0247	0.699271
<i>Ptpn3</i>	chr4:57190840-57301837	0.5851	0.6008	0.0383	0.867148
<i>Chrac1</i>	chr15:73090391-73097554	17.8511	17.9580	0.0086	0.938372
<i>Narf1</i>	chr17:25773775-25783332	10.6457	10.8422	0.0264	0.779358
<i>Pard6g</i>	chr18:80046894-80119640	3.6755	3.7527	0.0300	0.793466
<i>Kiz</i>	chr2:146855863-146970097	14.2651	14.3675	0.0103	0.881618
<i>Zfp113</i>	chr5:138139701-138155744	6.8794	7.0037	0.0258	0.689237
<i>Tmem91</i>	chr7:25669138-25675166	1.7035	1.7468	0.0363	0.760708
<i>Nars2</i>	chr7:96951504-97064761	5.2531	5.3042	0.0140	0.831048
<i>Apool</i>	chrX:112311333-112372755	4.9207	4.9309	0.0030	0.986162
<i>Hnrmp2</i>	chrX:134601178-134607060	15.0204	15.2803	0.0248	0.689844

<i>Ttc7</i>	chr17:87282885-87381769	22.1562	22.3882	0.0150	0.835052
<i>Ndrp3</i>	chr2:156927344-156992056	24.3316	24.5469	0.0127	0.903699
<i>Adh1</i>	chr3:138260990-138290698	3.4956	3.4991	0.0014	0.993836
<i>Mettl16</i>	chr11:74770829-74828525	5.0461	5.1337	0.0248	0.547880
<i>Brk1</i>	chr6:113604771-113616948	84.9192	86.4496	0.0258	0.801020
<i>Fgd1</i>	chrX:151046149-151089521	0.8296	0.8509	0.0365	0.798606
<i>Nudcd1</i>	chr15:44375226-44428307	7.3947	7.5358	0.0273	0.843052
<i>Tsc22d1</i>	chr14:76414960-76507765	2.4327	2.4910	0.0342	0.819099
<i>1810009A15Rik</i>	chr19:8888902-8890740	55.7205	56.7176	0.0256	0.828501
<i>Aqr</i>	chr2:114101169-114187024	23.6666	24.0598	0.0238	0.373425
<i>Pyroxd1</i>	chr6:142345653-142363257	14.4261	14.6704	0.0242	0.479067
<i>Gm15210</i>	chr8:100030486-100032147	5.3901	5.4118	0.0058	0.962549
<i>Taf1</i>	chrX:101532733-101601789	25.1203	25.3845	0.0151	0.625781
<i>Usp9x</i>	chrX:13071497-13173328	30.3625	30.6366	0.0130	0.875016
<i>Zswim6</i>	chr13:107724617-107890064	9.9843	10.0770	0.0133	0.857208
<i>Anapc7</i>	chr5:122421692-122444912	8.6677	8.8435	0.0290	0.740390
<i>Ercc5</i>	chr1:44147846-44181260	12.0790	12.2977	0.0259	0.618887
<i>Vps37c</i>	chr19:10688814-10714419	6.9429	7.1022	0.0327	0.798135
<i>Nedd1</i>	chr10:92684745-92722420	11.7293	11.8062	0.0094	0.921906
<i>5330438D12Rik</i>	chr10:116581280-116583515	5.5752	5.6939	0.0304	0.779563
<i>Atxn3</i>	chr12:101918900-101958246	15.2732	15.3987	0.0118	0.874340
<i>Fars2</i>	chr13:36117410-36537592	10.5932	10.6752	0.0111	0.922699
<i>Gnb2</i>	chr5:137528126-137533510	48.3781	49.2471	0.0257	0.752752
<i>Rwdd4a</i>	chr8:47533663-47552955	11.3334	11.5446	0.0266	0.832366
<i>Rbl2</i>	chr8:91070056-91123844	27.3680	27.6219	0.0133	0.869227
<i>Rpgr</i>	chrX:10073620-10216920	0.7179	0.7159	-0.0040	0.987980
<i>Rab26os</i>	chr17:24528247-24528744	11.4186	11.3748	-0.0055	0.983929
<i>Rnf8</i>	chr17:29614789-29703359	27.6110	28.0832	0.0245	0.719732
<i>Rps18</i>	chr17:33951998-33956001	43.2323	44.0173	0.0260	0.805067
<i>Ypel5</i>	chr17:72836703-72851195	25.2181	25.6470	0.0243	0.807135
<i>Il10rb</i>	chr16:91406163-91425834	13.6989	13.8100	0.0117	0.873400
<i>Mrpl16</i>	chr19:11770414-11774944	15.2864	15.3743	0.0083	0.960056
<i>Rbm22</i>	chr18:60560735-60572810	21.2169	21.4288	0.0143	0.735509
<i>Mettl8</i>	chr2:70964560-71055583	3.4553	3.5251	0.0289	0.821446
<i>Mtor</i>	chr4:148448610-148557683	11.6738	11.7907	0.0144	0.896327
<i>Ska2</i>	chr11:87109233-87124635	5.0475	5.0715	0.0068	0.953821
<i>Spag9</i>	chr11:93996090-94126085	16.7009	16.8598	0.0137	0.845942
<i>Cul1</i>	chr6:47453397-47526139	34.4542	34.7502	0.0123	0.862094
<i>Tmem184c</i>	chr8:77595981-77610698	13.2191	13.3108	0.0100	0.906878
<i>Fopnl</i>	chr16:14299243-14317375	28.3956	28.5515	0.0079	0.959740
<i>Rab5a</i>	chr17:53479233-53507671	24.5939	24.7798	0.0109	0.907727
<i>Nsmf</i>	chr2:25054354-25062881	2.6115	2.6641	0.0288	0.874273
<i>Dhx36</i>	chr3:62470038-62507004	38.9621	39.3049	0.0126	0.862050
<i>Gm21781</i>	chr10:4391586-4396424	11.9351	12.1828	0.0296	0.851264
<i>Cip1</i>	chr2:84722103-84727350	15.3370	15.5971	0.0243	0.747368
<i>Gm26643</i>	chr4:43030998-43032482	3.2061	3.2046	-0.0006	0.996655
<i>Gm17484</i>	chr8:25754508-25769704	7.5047	7.6372	0.0252	0.815244
<i>Spg21</i>	chr9:65460936-65488470	25.6864	26.1373	0.0251	0.821061
<i>Ube2d1</i>	chr10:71254979-71285262	5.6403	5.6981	0.0147	0.813407
<i>Mob4</i>	chr1:55131230-55154899	17.5466	17.6776	0.0107	0.910586
<i>Rps11</i>	chr7:45122387-45124389	995.4124	1014.3379	0.0272	0.872507
<i>Prkaca</i>	chr8:83972977-83996445	16.2997	16.4538	0.0136	0.865168
<i>Zfp959</i>	chr17:55892183-55898584	16.8443	16.9581	0.0097	0.918992
<i>Gm6548</i>	chr17:78850791-78851956	13.6431	13.7354	0.0097	0.946437
<i>Gm10785</i>	chr16:91688910-91715642	3.8035	3.8988	0.0357	0.832396
<i>Sdhaf2</i>	chr19:10500512-10525209	18.2267	18.3632	0.0108	0.900598
<i>Gm6085</i>	chr1:4687933-4689403	11.6385	11.6863	0.0059	0.967167
<i>Gm9889</i>	chr3:115715149-115716727	9.6120	9.6825	0.0105	0.951803
<i>Rpa2</i>	chr4:132768331-132778752	12.2236	12.3206	0.0114	0.858449
<i>Chchd10</i>	chr10:75935572-75937725	12.1077	12.1866	0.0094	0.941118
<i>Pigq</i>	chr17:25926426-25944510	6.7455	6.8155	0.0149	0.894573
<i>Polr1d</i>	chr5:147077049-147111361	28.6297	29.1238	0.0247	0.839912
<i>Atg9a</i>	chr1:75180865-75191923	10.9976	11.1130	0.0151	0.887739
<i>Brox</i>	chr1:183276341-183297256	14.4105	14.6426	0.0231	0.753108
<i>Gm13625</i>	chr2:69871411-69872202	23.6681	24.0727	0.0245	0.903090
<i>Pfdn4</i>	chr2:170496427-170519123	5.7082	5.8200	0.0280	0.866998
<i>Dennd4c</i>	chr4:86748554-86850603	9.4711	9.6312	0.0242	0.792939
<i>Heatr5a</i>	chr12:51875872-51971321	8.0380	8.1106	0.0130	0.897189
<i>Mphosph10</i>	chr7:64376575-64392268	20.9867	21.3437	0.0243	0.811739
<i>AA987161</i>	chr13:67589442-67609707	18.1236	18.4160	0.0231	0.806649
<i>Pdlim5</i>	chr3:142239585-142395696	13.0162	13.2335	0.0239	0.671276

4933407K13Rik	chrX:75706931-75764699	0.9077	0.9279	0.0317	0.827086
Prkx	chrX:77761410-77796278	11.3189	11.4312	0.0142	0.843116
Zswim1	chr2:164822685-164826871	4.1161	4.2053	0.0310	0.770913
Tlr6	chr5:64953105-64960048	2.9917	3.0474	0.0267	0.863528
Gm25791	chr9:15314844-15314981	71.3021	72.7726	0.0295	0.932245
Zmym2	chr14:56887794-56962579	39.3861	39.7913	0.0148	0.797283
AA415398	chr4:119530307-119539529	2.0742	2.1186	0.0305	0.797658
Tmem194	chr10:127666900-127701049	5.1836	5.2282	0.0124	0.892701
Cd68	chr11:69664212-69666153	5.1008	5.2232	0.0342	0.847178
Scfd2	chr5:74204815-74531747	4.2222	4.2646	0.0144	0.885462
1110004F10Rik	chr7:116093300-116105210	32.8481	33.3935	0.0238	0.807203
Osbpl5	chr7:143688761-143756985	8.1014	8.1591	0.0102	0.955567
Pias1	chr9:62880076-62980879	23.5121	23.9265	0.0252	0.676353
Nmral1	chr16:4710058-4719356	1.7406	1.7726	0.0263	0.905563
Nudcd3	chr11:6105690-6200415	13.3883	13.6091	0.0236	0.462297
Ube2k	chr5:65537232-65598988	10.5115	10.5847	0.0100	0.952998
Cacna2d4	chr6:119236525-119352407	6.9113	6.9813	0.0145	0.809362
Gys1	chr7:45434843-45456619	2.9351	2.9985	0.0308	0.758787
2210018M11Rik	chr7:98590614-98656569	18.8850	19.2470	0.0274	0.804790
Angptl6	chr9:20873808-20879727	5.1167	5.2329	0.0324	0.794810
Rrp1b	chr17:32036099-32062865	9.3137	9.4048	0.0140	0.891845
Olfir99	chr17:37279500-37280418	7.4137	7.4697	0.0109	0.950887
Rab3gap1	chr1:127868772-127943868	26.8071	27.0910	0.0152	0.714798
Zfyve19	chr2:119208616-119217049	7.7078	7.8396	0.0245	0.785942
Gcnt7	chr2:172450312-172458596	5.6986	5.7350	0.0092	0.954241
S100a8	chr3:90669070-90670034	10.3736	10.1202	-0.0357	0.968368
Otud6b	chr4:14809497-14826587	8.9516	9.0329	0.0130	0.847371
Rnf145	chr11:44518963-44565520	40.6285	41.2871	0.0232	0.696985
Capza2	chr6:17636233-17666972	34.7985	35.0868	0.0119	0.913810
Svil	chr18:4920539-5119299	12.2185	12.4318	0.0250	0.707095
Znfx1	chr2:167035792-167063015	23.7829	24.0384	0.0154	0.865429
Natd1	chr11:60902245-60914750	3.6357	3.7114	0.0297	0.872715
Plod3	chr5:136987018-136996648	3.3140	3.3847	0.0305	0.792112
Zfp27	chr7:29893332-29906572	5.2942	5.3951	0.0272	0.772473
Gm15545	chr7:44986899-44994597	9.1640	9.2448	0.0127	0.915657
Ndufb4	chr16:37647169-37654453	8.5184	8.6670	0.0249	0.876264
Ltn1	chr16:87376650-87432606	19.2129	19.4196	0.0154	0.808802
Rsb1	chr3:103914119-103966636	22.5362	22.7614	0.0143	0.824893
Zmat5	chr11:4704677-4737669	13.6520	13.9195	0.0280	0.702588
Gm12977	chr4:133871829-133876533	15.2956	15.4730	0.0166	0.863752
Dgke	chr11:89035178-89066850	9.7444	9.9065	0.0238	0.671454
Pot1a	chr6:25743736-25809246	6.9180	7.0248	0.0221	0.521475
Aimp1	chr3:132660497-132683879	38.8881	39.1679	0.0103	0.933003
Tmsb4x	chrX:167207092-167209315	1306.6257	1334.3615	0.0303	0.900401
Wdr73	chr7:80890722-80901269	9.5875	9.7412	0.0229	0.748903
Cbx6	chr15:79823895-79834688	8.5525	8.7178	0.0276	0.841838
Trmt5	chr12:73280409-73286711	11.6959	11.7856	0.0110	0.894564
Mecr	chr4:131843469-131867786	6.3953	6.5250	0.0290	0.810290
Mon2	chr10:122992060-123076505	20.2681	20.5065	0.0169	0.621911
Chac2	chr11:30976706-30986350	3.8909	3.9029	0.0044	0.965774
Smurf2	chr11:106820065-106920715	27.2517	27.6873	0.0229	0.753020
Gga3	chr11:115584254-115604051	9.4186	9.5237	0.0160	0.884273
Traf3	chr12:111166369-111267153	16.3723	16.5569	0.0162	0.899305
Mtr	chr13:12186541-12258113	14.9985	15.1695	0.0164	0.624196
Fosl2	chr5:32136471-32157831	1.8693	1.9120	0.0325	0.891981
Atp10a	chr7:58658201-58829426	25.8744	26.3226	0.0248	0.829134
Nsmce4a	chr7:130532522-130573118	38.5880	38.9253	0.0126	0.900186
B3gnt3	chr8:71691718-71701800	2.8403	2.8672	0.0136	0.957131
Tagln	chr9:45929627-45936058	4.4807	4.5255	0.0144	0.939714
Sltm	chr9:70542919-70592237	56.1644	56.7695	0.0155	0.749330
Sec22c	chr9:121680046-121705490	9.6479	9.8218	0.0258	0.774304
Csnk1e	chr15:79417855-79443919	7.9641	8.1043	0.0252	0.792018
Tmem242	chr17:5410863-5440260	16.0823	16.3438	0.0233	0.873922
Btbd9	chr17:30215523-30576287	7.2948	7.4334	0.0271	0.784668
Rab11b	chr17:33742483-33760530	8.8594	9.0186	0.0257	0.771905
C030034I22Rik	chr17:69417460-69418931	8.1783	8.2481	0.0123	0.846894
Sdf2l1	chr16:17130137-17132383	8.1931	8.2506	0.0101	0.952143
Trak2	chr1:58900448-58973430	19.1791	19.4901	0.0232	0.695506
Stk16	chr1:75210837-75215606	21.8002	22.1617	0.0237	0.640359
Crem	chr18:3266047-3337748	2.5162	2.5323	0.0092	0.935654
Tubb6	chr18:67390716-67402748	2.4259	2.4890	0.0371	0.865191

Zbtb26	chr2:37432167-37443121	8.5320	8.6722	0.0235	0.596830
Zc3h8	chr2:128926267-128944077	9.0315	9.0855	0.0086	0.937940
Ss18l1	chr2:180042508-180070201	4.3629	4.4444	0.0267	0.649528
Zmym6	chr4:127077382-127124372	7.7366	7.8545	0.0218	0.580967
Syf2	chr4:134930897-134937548	68.7895	69.9080	0.0233	0.843634
Snrpg	chr6:86371582-86378902	43.1765	43.3711	0.0065	0.971354
Snopc1	chr12:73964529-73984820	12.4696	12.5826	0.0130	0.875262
Psmc4	chr9:54950789-54958030	28.5936	28.8167	0.0112	0.934183
Hdac6	chrX:7930119-7947889	3.9137	3.9907	0.0281	0.842214
Slc35a5	chr16:45139572-45158706	7.6810	7.8030	0.0227	0.715696
Btla	chr16:45224314-45252895	83.5286	84.3926	0.0148	0.864707
Ppargc1b	chr18:61298135-61400431	2.7935	2.8247	0.0160	0.942439
Cops4	chr5:100518308-100547803	14.5981	14.8323	0.0230	0.809538
Nkrf	chrX:36887539-36902899	4.2045	4.2503	0.0156	0.888015
4931431C16Rik	chr5:35581226-35588763	3.0260	3.0889	0.0297	0.864184
Arntl	chr7:113207464-113314122	13.9459	14.0517	0.0109	0.925446
Insl3	chr8:71689213-71690575	22.1597	22.3845	0.0146	0.934541
Tmem260	chr14:48446127-48515135	5.6130	5.7068	0.0239	0.714498
Tbc1d22bos	chr17:29578815-29596305	3.6257	3.7004	0.0294	0.829062
Tmem138	chr19:10570477-10577362	5.1235	5.2103	0.0242	0.830875
Ralgds	chr2:28513124-28553081	5.0955	5.1416	0.0130	0.932469
3110043O21Rik	chr4:35191284-35226175	3.5847	3.6477	0.0252	0.869454
Cdkal1	chr13:29191745-29855674	3.5195	3.5795	0.0244	0.731662
Ift88	chr14:57424061-57517936	1.8063	1.8126	0.0050	0.968548
Ginm1	chr10:7767946-7792800	17.1442	17.2492	0.0088	0.958333
Kpna2	chr11:106988628-106999541	2.1073	2.1474	0.0272	0.864480
Gm6863	chr12:96922419-96923061	13.7235	13.7645	0.0043	0.985098
NA	chr7:28399548-28598144	3.8772	3.9657	0.0326	0.874039
A730017L22Rik	chr2:130873058-130906396	2.5094	2.5521	0.0243	0.763922
Ccdc90b	chr7:92561148-92582294	7.0594	7.0798	0.0042	0.986346
Anapc10	chr8:79711819-79777321	4.2179	4.2856	0.0230	0.889420
Tmx3	chr18:90510153-90543267	24.5908	24.9841	0.0229	0.804074
Jup	chr11:100368957-100397763	1.1365	1.1486	0.0153	0.908688
Golga4	chr9:118506317-118582522	29.9305	30.2933	0.0174	0.567641
Mtmr6	chr14:60265204-60302370	31.9521	32.2959	0.0154	0.819593
Tcf19	chr17:35512733-35516824	10.1948	10.2627	0.0096	0.943379
BC021614	chr19:4057477-4059295	60.3994	61.4172	0.0241	0.882907
Hps1	chr19:42755104-42779978	7.6359	7.7711	0.0253	0.835880
Mbp	chr18:82475145-82585637	32.0879	32.5787	0.0219	0.467733
Phf13	chr4:151989632-151996258	3.4943	3.5261	0.0131	0.947842
Fam169b	chr7:68273838-68363089	41.4470	42.1697	0.0249	0.796440
Uqcrc2	chr7:120635175-120659478	63.1550	63.8014	0.0147	0.853068
Brd8	chr18:34598614-34624601	16.6132	16.8719	0.0223	0.778899
Napg	chr18:62977835-62999450	14.1489	14.3644	0.0218	0.531062
Spopl	chr2:23506219-23572106	12.2107	12.4011	0.0223	0.746888
Eif1ax	chrX:159372177-159389928	15.5089	15.6478	0.0129	0.920472
Wdr33	chr18:31804056-31908987	24.4166	24.7106	0.0173	0.706131
Maneal	chr4:124855238-124862171	2.3421	2.3838	0.0254	0.879663
Gm11400	chr11:3149741-3150955	5.9441	6.0895	0.0349	0.875054
Ankrd13b	chr11:77470484-77489678	1.3674	1.3851	0.0185	0.928024
Csgalnact2	chr6:118107451-118139140	7.5188	7.6305	0.0213	0.714120
Xlr4b	chrX:73214332-73222453	5.6308	5.6938	0.0160	0.801031
Vbp1	chrX:75514298-75534942	31.9573	32.2019	0.0110	0.944696
Rbm39	chr2:156147238-156180238	161.3955	163.1395	0.0155	0.802735
Pigo	chr4:43017634-43025819	8.7665	8.9316	0.0269	0.810950
Baiap2	chr11:119942762-120006782	4.4250	4.4726	0.0154	0.811187
Pms2	chr5:143909963-143937309	8.6483	8.7421	0.0156	0.676382
Trbj2-7	chr6:41543809-41543856	231.3915	233.9631	0.0159	0.914936
Cenpt	chr8:105844677-105852008	11.0424	11.1815	0.0181	0.856646
Thtpa	chr14:55094834-55098986	10.5774	10.7433	0.0224	0.759294
Prpf8	chr11:75486815-75509449	78.7599	80.0261	0.0230	0.729245
Zcchc4	chr5:52775408-52824665	3.5872	3.6463	0.0236	0.764460
Dnajc21	chr15:10446755-10470516	9.7282	9.8867	0.0233	0.822132
Ppif	chr14:25694153-25700468	6.6926	6.7740	0.0174	0.842123
Socs6	chr18:88665223-88927481	3.3835	3.4356	0.0220	0.809126
Slc39a9	chr12:80644214-80683341	6.5863	6.7028	0.0253	0.771736
Gm12183	chr11:48751759-48753770	7.3534	7.4740	0.0235	0.825588
Gm17300	chr4:132351771-132353382	401.4448	410.4537	0.0320	0.926968
Eif3c	chr7:126546454-126566411	86.9258	88.2838	0.0224	0.718525
Gosr2	chr11:103676848-103697898	38.7996	39.2058	0.0150	0.860027
Exoc5	chr14:49012145-49066653	15.5117	15.6641	0.0141	0.890732

<i>Gm17104</i>	chr7:30564736-30565356	53.7581	54.2935	0.0143	0.904690
<i>Npc1</i>	chr18:12189692-12236400	9.4699	9.5816	0.0169	0.835741
<i>Ppcdc</i>	chr9:57412667-57440114	28.9420	29.3829	0.0218	0.769100
<i>Gm20522</i>	chr17:35122737-35126440	6.2130	6.2461	0.0077	0.947563
<i>Xyylt1</i>	chr16:30955626-31081432	4.7833	4.8275	0.0133	0.919900
<i>Ccdc93</i>	chr1:121431048-121506460	9.3920	9.5432	0.0230	0.713849
<i>P2ry10</i>	chrX:107088491-107104974	61.4710	62.0038	0.0125	0.929901
<i>Adcy9</i>	chr16:4287528-4420498	0.9891	1.0071	0.0260	0.836124
<i>Disp1</i>	chr1:183086263-183221529	4.8404	4.9297	0.0264	0.824302
<i>Mtx2</i>	chr2:74825802-74878431	7.1206	7.1792	0.0118	0.920310
<i>Mrpl47</i>	chr3:32725396-32737147	8.3502	8.4270	0.0132	0.894877
<i>Rnf130</i>	chr11:50025345-50104758	15.6825	15.8090	0.0116	0.935498
<i>Gm26735</i>	chr13:28943047-28951671	11.2523	11.4320	0.0229	0.860827
<i>Haus8</i>	chr8:71248560-71272934	4.8750	4.9272	0.0154	0.839604
<i>BC055324</i>	chr1:16394592-163994796	4.8797	4.9525	0.0213	0.768190
<i>Traf5</i>	chr1:191997429-192092559	24.4341	24.8433	0.0240	0.808652
<i>Gm11646</i>	chr11:106051150-106051852	17.9502	18.1487	0.0159	0.931636
<i>Top1mt</i>	chr15:75657034-75678800	6.0122	6.1086	0.0229	0.870577
<i>B230354K17Rik</i>	chr17:45433851-45442544	4.6735	4.7205	0.0144	0.889740
<i>Msrp2</i>	chr2:19371439-19394976	8.9293	8.9941	0.0104	0.927086
<i>Actn4</i>	chr7:28893247-28962340	20.2849	20.5302	0.0173	0.884658
<i>Tmod3</i>	chr9:75497795-75559657	61.9887	62.6299	0.0148	0.871923
<i>Col20a1</i>	chr2:180986534-181017540	1.5059	1.5406	0.0328	0.899885
<i>Nsa2</i>	chr13:97129426-97137926	20.1437	20.4583	0.0224	0.886920
<i>Gtf2e2</i>	chr8:33731913-33777173	12.8058	12.9294	0.0139	0.816746
<i>Ift57</i>	chr16:49699232-49765126	2.3370	2.3738	0.0226	0.767518
<i>Chmp2b</i>	chr16:65539132-65562697	15.9567	16.1939	0.0213	0.885998
<i>Hmgcl</i>	chr4:135946447-135962617	8.2972	8.4308	0.0230	0.835414
<i>Gm20708</i>	chr11:117809667-117839904	9.9126	10.0141	0.0147	0.866202
<i>Cep78</i>	chr19:15955773-15984989	3.9543	4.0166	0.0226	0.848755
<i>Zfp292</i>	chr4:34803112-34882960	49.9239	50.5353	0.0176	0.707210
<i>Cdc26</i>	chr4:62383653-62408642	3.3477	3.3820	0.0147	0.863601
<i>Arf1</i>	chr11:59211411-59228270	57.9239	58.8232	0.0222	0.824547
<i>Sigirr</i>	chr7:141091174-141100546	42.9051	43.4118	0.0169	0.846575
<i>Reep4</i>	chr14:70545250-70548933	16.1360	16.3431	0.0184	0.871306
<i>Gm25951</i>	chr4:140717042-140717106	79.9232	81.5665	0.0294	0.862505
<i>Actn1</i>	chr12:80167541-80260371	132.1872	134.3331	0.0232	0.769670
<i>Psmb9</i>	chr17:34181987-34187764	50.2932	50.8700	0.0165	0.854154
<i>Leo1</i>	chr9:75441523-75466432	16.5367	16.7215	0.0160	0.752379
<i>Wbp5</i>	chrX:136245078-136247139	10.3190	10.4555	0.0190	0.917881
<i>Ndufb9</i>	chr15:58933809-58939489	73.8780	75.0251	0.0222	0.900622
<i>Dgat1</i>	chr15:76502014-76511951	9.8303	9.9294	0.0145	0.903636
<i>Mapk8</i>	chr14:33377897-33447158	6.8920	6.9933	0.0211	0.478780
<i>Nbeal1</i>	chr1:60180598-6038328	6.2776	6.3510	0.0168	0.831129
<i>6330409D20Rik</i>	chr2:32732619-32741016	6.5999	6.6789	0.0172	0.946864
<i>Bcas2</i>	chr3:103171654-103179166	21.4852	21.8032	0.0212	0.813566
<i>Atp5f1</i>	chr3:105942697-105960099	31.8043	32.1242	0.0144	0.897707
<i>Map3k2</i>	chr18:32163088-32236751	18.2363	18.4528	0.0170	0.764312
<i>Gm13562</i>	chr2:26352644-26371952	10.4580	10.5896	0.0180	0.904477
<i>Pop4</i>	chr7:38262819-38271348	21.8577	22.0622	0.0134	0.878324
<i>Mrpl41</i>	chr2:24974116-24975098	32.0098	32.2805	0.0121	0.929399
<i>Usp33</i>	chr3:152346477-152393612	22.4157	22.7434	0.0209	0.712294
<i>Gtpbp10</i>	chr8:5537453-5559538	1.6214	1.6313	0.0088	0.952615
<i>Dnase2a</i>	chr8:84908559-84922915	1.6997	1.7291	0.0247	0.884256
<i>Rnf25</i>	chr1:74593747-74601397	16.2356	16.4820	0.0217	0.806414
<i>Fam208b</i>	chr13:3566035-3611108	40.5234	41.0290	0.0179	0.769285
<i>B4galt1</i>	chr4:40804601-40854005	36.3900	36.8549	0.0183	0.799563
<i>Frip1</i>	chr11:54438198-54518235	16.7160	16.9550	0.0205	0.731305
<i>Fam57a</i>	chr11:76179670-76214827	5.1596	5.2282	0.0190	0.808175
<i>Wdr25</i>	chr12:108894271-109028452	1.2190	1.2352	0.0190	0.874554
<i>Crebl2</i>	chr6:134830153-134858931	14.9097	15.0732	0.0157	0.868450
<i>Ick</i>	chr9:78109191-78172107	1.6282	1.6558	0.0243	0.818649
<i>Impdh2</i>	chr9:108560533-108565519	9.4155	9.5769	0.0245	0.795591
<i>Tmem55b</i>	chr14:50926069-50930856	20.7732	21.0307	0.0178	0.782695
<i>Ssh3</i>	chr19:4261667-4269172	5.0396	5.0947	0.0157	0.902202
<i>Gm13402</i>	chr2:29349841-29396459	11.5694	11.8095	0.0296	0.875104
<i>1700029J07Rik</i>	chr8:45953605-45975252	1.6095	1.6325	0.0205	0.881773
<i>Cdc123</i>	chr2:5794293-5845164	12.5835	12.7609	0.0202	0.749988
<i>NA</i>	chr4:136343974-136345981	6.9410	7.0280	0.0180	0.912876
<i>Zfp958</i>	chr8:4625839-4629380	18.1809	18.3617	0.0143	0.877087
<i>A530040E14Rik</i>	chr1:85105945-85114035	1.9195	1.9528	0.0248	0.946062

<i>Gpr146</i>	chr5:139377741-139396415	17.2688	17.4938	0.0187	0.832626
<i>Map2k7</i>	chr8:4238739-4251423	18.2617	18.5514	0.0227	0.741169
<i>Yipf6</i>	chrX:98936315-98949017	10.7578	10.8834	0.0167	0.700853
<i>Ero1l</i>	chr14:45283091-45318572	7.0473	7.1496	0.0208	0.827547
<i>Obfc1</i>	chr19:47501032-47537507	8.8150	8.9143	0.0162	0.837245
<i>Slc30a1</i>	chr1:191906766-191913247	10.9998	11.1747	0.0228	0.835776
<i>Spata5</i>	chr3:37419895-37579096	18.6598	18.9382	0.0214	0.412786
<i>Ddx20</i>	chr3:105678269-105687574	10.3935	10.5008	0.0148	0.863975
<i>Trbj1-6</i>	chr6:41535553-41535606	445.1992	450.4563	0.0169	0.741474
<i>Fam49b</i>	chr15:63929096-64060448	51.0156	51.7455	0.0205	0.835834
<i>Ppapdc2</i>	chr19:28963919-28966798	8.8356	8.9543	0.0192	0.808173
<i>Nudt2</i>	chr4:41465150-41480926	5.0570	5.1219	0.0184	0.940008
<i>Ctsw</i>	chr19:5465239-5468498	54.9225	55.4366	0.0134	0.948342
<i>Nploc4</i>	chr11:120380369-120437708	14.5090	14.7292	0.0217	0.758940
<i>Snord100</i>	chr10:23785749-23785823	70.5484	71.6518	0.0224	0.782778
<i>Wnk4</i>	chr11:101260566-101277409	0.9934	1.0125	0.0274	0.888659
<i>Oas1c</i>	chr5:120800193-120812514	10.3677	10.4967	0.0178	0.878750
<i>Gm20479</i>	chr7:27352648-27357419	17.4776	17.6879	0.0173	0.882798
<i>Prickle1</i>	chr15:93499113-93595891	1.7896	1.8267	0.0295	0.853228
<i>Ccser2</i>	chr14:36874935-36968777	17.8993	18.1183	0.0175	0.765232
<i>Acox3</i>	chr5:35583039-35613801	8.0850	8.1892	0.0185	0.831460
<i>Cmtm4</i>	chr8:104348190-104395807	3.4816	3.5213	0.0163	0.830893
<i>Sephs2</i>	chr7:127272560-127273919	21.5835	21.8398	0.0170	0.843868
<i>Paqr8</i>	chr1:20890621-20938755	3.6432	3.6804	0.0146	0.903680
<i>Fam162a</i>	chr16:36043843-36071515	27.0151	27.3979	0.0203	0.917658
<i>G2e3</i>	chr12:51348060-51376986	9.0113	9.1366	0.0199	0.852799
<i>6530409C15Rik</i>	chr6:28215554-28260862	7.2123	7.3095	0.0193	0.812914
<i>Rnf141</i>	chr7:110800431-110844457	4.4934	4.5642	0.0225	0.768655
<i>Thap1</i>	chr8:26158211-26162940	6.1008	6.1835	0.0194	0.852947
<i>Slc25a36</i>	chr9:97075596-97111157	17.7024	17.9135	0.0171	0.708505
<i>Adck5</i>	chr15:76576357-76595816	6.8888	7.0045	0.0240	0.789659
<i>Gga1</i>	chr15:78877189-78894585	16.6056	16.8366	0.0199	0.878283
<i>Nop9</i>	chr14:55745692-55755500	11.6392	11.7982	0.0196	0.721968
<i>Wiz</i>	chr17:32354054-32389401	2.5343	2.5706	0.0205	0.876627
<i>Atat1</i>	chr17:35897594-35910075	1.0082	1.0177	0.0136	0.934602
<i>NA</i>	chr3:40950630-40977793	14.2124	14.3958	0.0185	0.896150
<i>Suv420h2</i>	chr7:4740114-4747514	7.5709	7.6737	0.0194	0.834571
<i>Pigyl</i>	chr9:22156845-22158358	6.0439	6.1348	0.0215	0.925715
<i>Anxa7</i>	chr14:20455260-20480133	24.5435	24.8011	0.0151	0.887904
<i>Slc39a6</i>	chr18:24579880-24603817	7.6475	7.7686	0.0227	0.814088
<i>Ogfr</i>	chr2:180589244-180595836	47.7776	48.3724	0.0178	0.830459
<i>Gstcd</i>	chr3:132981752-133092033	3.3803	3.4308	0.0214	0.826086
<i>Zfyve1</i>	chr12:83546940-83597147	14.6430	14.8212	0.0175	0.710852
<i>Lyrn9</i>	chr11:78826583-78846870	4.9215	4.9826	0.0178	0.793337
<i>Etohd2</i>	chr13:59769964-59773680	17.7154	17.9191	0.0165	0.794575
<i>Tpcn1</i>	chr5:120534159-120588613	8.6405	8.7919	0.0251	0.863575
<i>Nlrc5</i>	chr8:94472762-94527272	86.7984	87.9260	0.0186	0.873338
<i>Tmem71</i>	chr15:66526211-66561046	100.0712	101.5014	0.0205	0.812312
<i>Terc</i>	chr3:96414436-96414859	39.5480	40.2054	0.0238	0.888143
<i>Rab9</i>	chrX:166457252-166479867	11.3139	11.4679	0.0195	0.840610
<i>Cbx1</i>	chr11:96789126-96808640	16.5650	16.7992	0.0203	0.805893
<i>Gm26517</i>	chr12:51888014-51889459	8.7035	8.8451	0.0233	0.816072
<i>Sav1</i>	chr12:69965011-69987002	12.8336	13.0260	0.0215	0.808295
<i>Pcgf3</i>	chr5:108461231-108506976	6.4210	6.5187	0.0218	0.718557
<i>Lats2</i>	chr14:57642076-57758388	16.6604	16.8667	0.0178	0.846885
<i>Uqcc2</i>	chr17:27122662-27133916	18.5391	18.7194	0.0140	0.918458
<i>Dnajc4</i>	chr19:6987910-6992503	20.5782	20.7940	0.0151	0.907626
<i>Anapc1</i>	chr2:128610103-128687391	18.5326	18.7753	0.0188	0.788786
<i>Rbbp4</i>	chr4:129307099-129335370	23.3610	23.6860	0.0199	0.708049
<i>Serp1</i>	chr3:58521968-58525873	72.5879	73.3807	0.0157	0.897780
<i>Tmem69</i>	chr4:116551632-116555936	5.0132	5.0686	0.0159	0.916621
<i>Hsp90aa1</i>	chr12:110690604-110702728	15.6417	15.8257	0.0169	0.929586
<i>Gstz1</i>	chr12:87147706-87164721	7.6752	7.7808	0.0197	0.869555
<i>Zfp949</i>	chr9:88548019-88571086	8.4155	8.5352	0.0204	0.794632
<i>D030055H07Rik</i>	chr9:106148686-106160201	2.7198	2.7574	0.0198	0.879218
<i>Cnot10</i>	chr9:114585877-114640200	23.8413	24.1722	0.0199	0.615235
<i>Dctn4</i>	chr18:60526220-60558762	23.0445	23.3254	0.0175	0.722033
<i>Fam107b</i>	chr2:3613757-3782142	138.0537	139.9512	0.0197	0.859569
<i>Mical1</i>	chr10:41476313-41487032	27.1380	27.5308	0.0207	0.799605
<i>Ttll5</i>	chr12:85824658-86061893	1.8154	1.8391	0.0187	0.876760
<i>Txnrd3</i>	chr6:89643987-89675529	1.5171	1.5310	0.0132	0.948938

<i>Ddias</i>	chr7:92857528-92874213	1.5091	1.5238	0.0139	0.946460
<i>Fam210b</i>	chr2:172345564-172355749	3.3696	3.4170	0.0201	0.806635
<i>Fam114a2</i>	chr11:57482992-57518617	31.6255	32.0629	0.0198	0.586017
<i>Myo18a</i>	chr11:77763245-77865980	7.1219	7.2200	0.0197	0.852760
<i>Pigw</i>	chr11:84876314-84880285	4.5602	4.6262	0.0207	0.863898
<i>Pecam1</i>	chr11:106654216-106750628	92.3848	93.5485	0.0181	0.736468
<i>Fam104a</i>	chr11:113661318-113684155	14.9176	15.1320	0.0206	0.880441
<i>Gemin2</i>	chr12:59013392-59028470	5.3259	5.3773	0.0139	0.931024
<i>Ncf1</i>	chr5:134220052-134229625	2.2113	2.2344	0.0150	0.888389
<i>Stx1a</i>	chr5:135023481-135051100	4.9183	4.9993	0.0236	0.806623
<i>Pop7</i>	chr5:137501437-137502518	12.5171	12.6747	0.0181	0.888327
<i>Tbcb</i>	chr7:30224130-30232272	15.6516	15.8651	0.0196	0.871904
<i>Tmem80</i>	chr7:141327738-141337156	9.3632	9.4774	0.0175	0.893796
<i>Slc25a15</i>	chr8:22375553-22398621	3.4199	3.4675	0.0200	0.826835
<i>Rab4a</i>	chr8:123805984-123835287	5.7113	5.8065	0.0239	0.868390
<i>Vwa5a</i>	chr9:38718267-38743337	10.3999	10.5202	0.0166	0.908431
<i>Mtm1</i>	chrX:71210766-71315691	1.3014	1.3166	0.0167	0.848526
<i>Cmtr1</i>	chr17:29549798-29705979	27.7372	28.0938	0.0184	0.805640
<i>Spidr</i>	chr16:15889226-16146851	8.8687	8.9680	0.0161	0.891945
<i>Kat5</i>	chr19:5603016-5610094	35.2245	35.6683	0.0181	0.756573
<i>Aldh9a1</i>	chr1:167349990-167368530	16.2628	16.4702	0.0183	0.742754
<i>Dtd1</i>	chr2:144599896-144768758	9.7396	9.8302	0.0134	0.933245
<i>Mbnl1</i>	chr3:60501251-60629748	319.9744	324.4763	0.0202	0.760737
<i>Spsb1</i>	chr4:149896282-149955043	5.5352	5.6325	0.0251	0.876926
<i>Rps25-ps1</i>	chr6:145266326-145266825	7.9834	8.0647	0.0146	0.947885
<i>Faddos</i>	chr7:144567354-144581512	3.7775	3.8107	0.0126	0.948476
<i>4933416M07Rik</i>	chr8:27142909-27149671	4.6305	4.6915	0.0189	0.916635
<i>Bckdhb</i>	chr9:83925149-84124239	5.9867	6.0942	0.0257	0.899066
<i>Yme1l1</i>	chr2:23156368-23199260	41.9947	42.4898	0.0169	0.859303
<i>Ptpmt1</i>	chr2:90908715-90918258	9.9833	10.1048	0.0175	0.825423
<i>Surf1</i>	chr2:26913382-26916530	29.5748	29.9140	0.0165	0.809221
<i>Mapk1</i>	chr16:16983381-17047453	35.0488	35.4930	0.0182	0.700397
<i>Rpl35</i>	chr2:39001579-39005624	27.7785	28.0649	0.0148	0.954378
<i>Klc1</i>	chr12:111758848-111807844	16.5660	16.8143	0.0215	0.650599
<i>Gnl2</i>	chr4:125016584-125055380	22.3665	22.6447	0.0178	0.671070
<i>Adck3</i>	chr1:180165237-180199602	3.8583	3.9011	0.0159	0.920374
<i>Epha1</i>	chr6:42358486-42373268	1.4015	1.4307	0.0298	0.855711
<i>Bnip2</i>	chr9:69989465-70008317	35.8668	36.3015	0.0174	0.835493
<i>Fam53c</i>	chr18:34758905-34773760	6.0293	6.1229	0.0222	0.891679
<i>Ttc16</i>	chr2:32757025-32775633	0.7420	0.7530	0.0213	0.935751
<i>Ssr4</i>	chrX:73787027-73790830	21.0841	21.3355	0.0171	0.772574
<i>Ppp1r21</i>	chr17:88530123-88588365	15.8753	16.0720	0.0178	0.800664
<i>Commd3</i>	chr2:18672383-18676231	30.0879	30.4730	0.0183	0.900098
<i>Gm13331</i>	chr2:23508859-23509307	12.4160	12.6322	0.0249	0.877193
<i>Sec22b</i>	chr3:97901189-97923276	10.4500	10.5888	0.0190	0.641838
<i>Rnf13</i>	chr3:57736065-57835233	22.8951	23.1591	0.0165	0.854783
<i>Gm12764</i>	chr7:34388664-34394779	19.5465	19.7989	0.0185	0.842456
<i>Kctd10</i>	chr5:114363566-114380515	32.4439	32.8654	0.0186	0.762484
<i>Tigd2</i>	chr6:59208869-59212033	34.9847	35.4423	0.0187	0.758421
<i>As3mt</i>	chr19:46707442-46741095	4.3016	4.3535	0.0173	0.918667
<i>1700066M21Rik</i>	chr1:57377619-57385423	4.8959	4.9552	0.0174	0.897791
<i>Gm17275</i>	chr1:180802567-180809483	22.3622	22.6237	0.0168	0.906835
<i>Ccdc23</i>	chr4:119195305-119201298	12.6098	12.7832	0.0197	0.887486
<i>Rps12</i>	chr10:23785210-23787195	18.0631	18.2731	0.0167	0.917737
<i>Sun1</i>	chr5:139200636-139249840	16.2990	16.5070	0.0183	0.834306
<i>Rab3a</i>	chr8:70754678-70758677	5.7507	5.8389	0.0220	0.865211
<i>Isg20l2</i>	chr3:87930313-87940686	30.5893	30.9730	0.0180	0.630412
<i>Slu7</i>	chr11:43433743-43447981	35.5505	36.0164	0.0188	0.773265
<i>Trpv6</i>	chr6:41620620-41636405	2.2934	2.3275	0.0213	0.903334
<i>C230052I12Rik</i>	chr7:35392274-35396817	7.7831	7.8929	0.0202	0.824385
<i>Mylpf</i>	chr7:127211607-127214298	10.8443	10.9926	0.0196	0.858083
<i>Tnfrsf26</i>	chr7:143607684-143627845	33.3877	33.8323	0.0191	0.858933
<i>Trav14-1</i>	chr14:53554056-53554554	37.4016	37.8830	0.0185	0.879745
<i>Oard1</i>	chr17:48410013-48417266	30.1066	30.4840	0.0180	0.845973
<i>Fyttd1</i>	chr16:32877499-32908963	11.5853	11.7208	0.0168	0.856144
<i>2500004C02Rik</i>	chr2:153341156-153346073	2.9365	2.9736	0.0181	0.896028
<i>Slc35a1</i>	chr4:34663256-34687438	8.2449	8.3769	0.0229	0.789961
<i>Ywhah</i>	chr5:33018815-33027966	18.1369	18.3828	0.0194	0.830556
<i>Hscb</i>	chr5:110829069-110839777	15.5671	15.7430	0.0162	0.929410
<i>Abhd2</i>	chr7:79273200-79365508	27.4656	27.8657	0.0209	0.803708
<i>Ubox5</i>	chr2:130590001-130630038	5.8904	5.9691	0.0191	0.791986

<i>Bloc1s2</i>	chr19:44139265-44146446	5.5773	5.6276	0.0130	0.937786
<i>Cdk8</i>	chr5:146231229-146302874	7.4754	7.5709	0.0183	0.766361
<i>3830406C13Rik</i>	chr14:12284208-12303231	11.1909	11.3312	0.0180	0.870882
<i>Wapal</i>	chr14:34673927-34747983	64.7307	65.5500	0.0181	0.814637
<i>Rpl36</i>	chr17:56613394-56614243	14.3102	14.4977	0.0188	0.909027
<i>Pitpnm1</i>	chr19:4099997-4113965	40.5278	41.0891	0.0198	0.880896
<i>Ate1</i>	chr7:130391525-130519961	22.2035	22.4843	0.0181	0.690767
<i>Dnaja2</i>	chr8:85537639-85555271	60.0867	60.8286	0.0177	0.842202
<i>Gm26510</i>	chr17:70874351-70924996	7.9180	8.0188	0.0182	0.847216
<i>Fdx1l</i>	chr9:21067519-21073514	23.6838	24.0491	0.0221	0.851509
<i>Snx12</i>	chrX:101097785-101222563	9.9911	10.1098	0.0170	0.846692
<i>Suclg1</i>	chr6:73248381-73276911	13.5850	13.7678	0.0193	0.708833
<i>Fsd2</i>	chr7:81533307-81566944	3.3410	3.3868	0.0196	0.959841
<i>Fam65a</i>	chr8:105605228-105622194	2.8711	2.9191	0.0239	0.914605
<i>Nvl</i>	chr1:181093422-181144157	26.8880	27.2484	0.0192	0.788008
<i>Golph3l</i>	chr3:95588933-95619247	21.9152	22.1955	0.0183	0.815463
<i>2310039H08Rik</i>	chr17:46772634-46773407	20.1206	20.3949	0.0195	0.840911
<i>Msh2</i>	chr17:87672329-87723713	17.0310	17.2430	0.0178	0.798037
<i>Slc52a2</i>	chr15:76538942-76542130	10.3363	10.4763	0.0194	0.855069
<i>Lrrc8b</i>	chr5:105415774-105486189	5.5739	5.6632	0.0229	0.874664
<i>Zfp677</i>	chr17:21383747-21399265	11.6612	11.7979	0.0168	0.893761
<i>Rnmt</i>	chr18:68300354-68324852	11.5023	11.6528	0.0188	0.705161
<i>Tmem170b</i>	chr13:41606215-41641347	4.6082	4.6779	0.0217	0.865841
<i>Capg</i>	chr6:72544390-72562983	17.4668	17.6906	0.0184	0.921352
<i>Gpr107</i>	chr2:31152315-31219548	7.5353	7.6425	0.0204	0.798786
<i>2610507B11Rik</i>	chr11:78261751-78290623	35.2276	35.7331	0.0206	0.701989
<i>Hsd17b4</i>	chr18:50128200-50196269	23.9393	24.2433	0.0182	0.805395
<i>Adcy3</i>	chr12:4133102-4213525	8.7844	8.9181	0.0218	0.880355
<i>Gtf2ird1</i>	chr5:134357668-134456716	4.4020	4.4652	0.0206	0.864525
<i>Cbr1</i>	chr16:93607836-93610505	26.9735	27.3167	0.0182	0.882724
<i>Irak4</i>	chr15:94543642-94581815	10.6340	10.7791	0.0196	0.773367
<i>Nfyc</i>	chr4:120757437-120831572	10.4657	10.6085	0.0196	0.800955
<i>Nr3c1</i>	chr18:39410544-39491301	41.8554	42.4228	0.0194	0.773290
<i>Ccdc170</i>	chr10:4482501-4562231	0.2744	0.2197	-0.3206	0.357132
<i>Gm10097</i>	chr10:5069191-5071975	0.6341	0.7166	0.1765	0.382211
<i>Syne1</i>	chr10:5336948-5550692	0.2345	0.3414	0.5420	0.237228
<i>Lrp11</i>	chr10:7589799-7625483	0.6504	0.6307	-0.0443	0.878034
<i>B430219N15Rik</i>	chr10:7780184-7781357	2.4054	2.3593	-0.0279	0.742258
<i>NA</i>	chr10:7792522-7792822	4.7519	4.3362	-0.1321	0.658577
<i>Gm15560</i>	chr10:7808115-7808758	2.9416	2.6680	-0.1408	0.671905
<i>Sash1</i>	chr10:8722218-8886070	0.1578	0.2986	0.9203	0.144999
<i>Gm16577</i>	chr10:11212279-11212979	4.6619	5.0582	0.1177	0.492296
<i>Txlnb</i>	chr10:17796225-17845665	0.1649	0.2328	0.4973	0.061163
<i>Ect2l</i>	chr10:18129021-18210890	0.3726	0.3574	-0.0602	0.893313
<i>Gm10827</i>	chr10:18235052-18238060	0.3350	0.3667	0.1305	0.645107
<i>Mtfr2</i>	chr10:20347818-20361669	0.2695	0.2538	-0.0867	0.815307
<i>1700021A07Rik</i>	chr10:21425341-21425650	4.8593	6.4303	0.4041	0.097634
<i>Gm26581</i>	chr10:22212652-22217241	0.3365	0.5139	0.6110	0.066646
<i>Gm1972</i>	chr10:22224279-22253819	0.7341	1.2467	0.7640	0.183137
<i>Gm26528</i>	chr10:22281453-22281736	4.5189	7.3701	0.7057	0.118934
<i>Gm5421</i>	chr10:22343438-22345792	1.4636	1.7077	0.2225	0.213258
<i>Arg1</i>	chr10:24915207-24927470	0.6259	0.8351	0.4162	0.423008
<i>Akap7</i>	chr10:25169089-25307870	0.7403	0.9041	0.2884	0.168504
<i>Samd3</i>	chr10:26229706-26272172	0.5195	0.7294	0.4896	0.079938
<i>Ptprk</i>	chr10:28074819-28597397	0.2667	0.1970	-0.4369	0.191025
<i>Gm25596</i>	chr10:29349584-29349691	15.9652	18.0022	0.1732	0.608597
<i>Gm10275</i>	chr10:29698745-29699379	4.6773	4.3936	-0.0903	0.694527
<i>Cenpw</i>	chr10:30196010-30200540	0.9998	1.3278	0.4094	0.275402
<i>Gm5422</i>	chr10:31248139-31251045	0.3386	0.3016	-0.1668	0.542850
<i>Tube1</i>	chr10:39134022-39151058	1.0055	1.1071	0.1389	0.426782
<i>Gm6963</i>	chr10:39424617-39424996	3.9782	5.2555	0.4017	0.543868
<i>Gm16210</i>	chr10:39752258-39752868	2.8907	3.3350	0.2063	0.431603
<i>Gm26824</i>	chr10:39864858-39866332	1.8903	2.4018	0.3455	0.180587
<i>BC021785</i>	chr10:39958060-39986646	0.2269	0.1407	-0.6889	0.069642
<i>Cdk19os</i>	chr10:40348507-40350103	1.4405	1.3977	-0.0435	0.826849
<i>Ccdc162</i>	chr10:41538845-41709300	0.2875	0.3702	0.3647	0.139203
<i>Gm26464</i>	chr10:42820462-42820767	3.3443	2.6147	-0.3551	0.366406
<i>Rps19-ps11</i>	chr10:43373487-43373920	1.4467	1.4171	-0.0299	0.948712
<i>Cd24a</i>	chr10:43579168-43584262	1.4233	1.5857	0.1559	0.479723
<i>Gp49a</i>	chr10:51480631-51486316	0.6481	1.5504	1.2584	0.301467
<i>Lilrb4</i>	chr10:51480639-51496613	1.2096	2.2688	0.9074	0.379680

Gm26741	chr10:52358766-52358853	15.8315	21.5501	0.4449	0.163026
Pln	chr10:53337685-53345999	0.4923	0.6080	0.3046	0.289968
Pkib	chr10:57631980-57741112	0.0803	0.1387	0.7883	0.027531
Ccdc138	chr10:58497969-58576242	1.1154	1.1631	0.0604	0.700780
NA	chr10:59221952-59226431	0.5546	0.7777	0.4877	0.196396
Sowahc	chr10:59221952-59226434	0.5540	0.7769	0.4877	0.196396
Chst3	chr10:60181531-60219260	0.3590	0.4531	0.3361	0.277734
Gm17455	chr10:60399725-60403556	2.7975	2.5468	-0.1355	0.463467
Gm5424	chr10:62071014-62072609	2.1922	2.1572	-0.0232	0.741094
Hk1os	chr10:62340255-62363367	0.7428	0.8589	0.2094	0.466360
4930507D05Rik	chr10:62449488-62451322	1.0388	0.9325	-0.1557	0.671541
Stox1	chr10:62659042-62726128	0.3584	0.4485	0.3235	0.260760
Dna2	chr10:62947025-62974185	0.4999	0.8483	0.7628	0.010694
Gm16135	chr10:62998778-62999689	2.0915	2.4240	0.2129	0.329346
NA	chr10:63024314-63058813	0.7471	0.7153	-0.0627	0.781510
Dnajc12	chr10:63382442-63408840	0.9468	0.7261	-0.3828	0.190022
1700040L02Rik	chr10:68430952-68541896	0.5671	0.6483	0.1930	0.687197
Gm6419	chr10:74862987-74863419	2.5923	2.5071	-0.0482	0.902163
Gm9985	chr10:75590141-75590653	7.0568	7.2397	0.0369	0.820584
Gstt3	chr10:75774114-75781414	0.3681	0.4198	0.1897	0.766746
Derl3	chr10:75893397-75895941	0.9612	1.1975	0.3171	0.258184
Gm867	chr10:75937720-75940672	1.2704	1.2894	0.0213	0.936908
Vpreb3	chr10:75943056-75949657	0.2510	0.4873	0.9568	0.383949
Mir678	chr10:76207325-76207409	8.4465	5.4295	-0.6375	0.007099
Gm16240	chr10:76293164-76294860	1.3191	1.5183	0.2029	0.623152
2610028H24Rik	chr10:76449080-76461110	0.6766	0.4884	-0.4703	0.171901
4930483K19Rik	chr10:76545810-76562226	1.8670	1.8122	-0.0430	0.831514
Pcbp3	chr10:76761856-76961887	0.6316	1.0213	0.6934	0.091046
Col18a1	chr10:77052177-77166548	0.1074	0.1477	0.4594	0.281084
Adarb1	chr10:77290725-77418270	0.1582	0.1743	0.1395	0.639911
Syde1	chr10:78584502-78591964	1.0472	0.9604	-0.1248	0.619943
Gzmm	chr10:79689019-79695261	1.5124	1.7179	0.1838	0.310617
Palm	chr10:79793571-79820896	0.5013	0.5788	0.2073	0.605390
Kiss1r	chr10:79916970-79922273	0.6491	0.4837	-0.4245	0.249853
Gamt	chr10:80258150-80261012	0.7556	0.7753	0.0370	0.847140
Gm15122	chr10:80282443-80283006	5.5409	6.0418	0.1249	0.549116
Pcsk4	chr10:80321282-80329498	1.2787	1.0895	-0.2311	0.391785
Gm22721	chr10:80382301-80382384	10.0864	7.7903	-0.3727	0.473966
Gm26710	chr10:80578646-80580677	0.6683	0.5537	-0.2715	0.411756
Amh	chr10:80805247-80807648	0.6750	0.7173	0.0877	0.750160
Mir1982	chr10:80828796-80828870	18.4158	17.7739	-0.0512	0.809745
Lsm7	chr10:80852824-80855209	5.3982	4.5989	-0.2312	0.321845
Tmprss9	chr10:80879719-80899441	0.6659	0.7513	0.1741	0.282145
Snord37	chr10:81178949-81179013	25.0026	21.5320	-0.2156	0.665000
4930442H23Rik	chr10:81182604-81183849	2.2856	2.8981	0.3425	0.188484
Atcayos	chr10:81194608-81210877	0.3246	0.5463	0.7512	0.108256
Mir3057	chr10:81271596-81271687	18.3084	16.7719	-0.1265	0.593962
Gm16315	chr10:81301700-81302917	1.2954	1.3159	0.0227	0.914547
Smim24	chr10:81393050-81395392	0.8833	1.2130	0.4576	0.286744
Gm16104	chr10:81409574-81411579	1.1240	1.6047	0.5136	0.250602
Tile2	chr10:81574560-81590845	0.1795	0.0730	-1.2979	0.023008
Zfp433	chr10:81718918-81721468	1.9108	2.3936	0.3250	0.198611
Gm4924	chr10:82378592-82381237	0.9639	1.1314	0.2313	0.204863
Ap3m1-ps	chr10:82585405-82587534	0.3035	0.3034	-0.0002	0.999655
Gm4799	chr10:82954343-82955000	2.6046	2.0685	-0.3325	0.249269
Chst11	chr10:82985497-83195900	0.3227	0.6545	1.0200	0.161044
Ckap4	chr10:84526304-84534036	0.4122	0.3612	-0.1905	0.502687
Fhl4	chr10:85097018-85102495	0.5832	0.4174	-0.4827	0.250590
A230060F14Rik	chr10:86021779-86022325	4.1248	3.6134	-0.1910	0.185020
Syn3	chr10:86055124-86498896	0.0646	0.0772	0.2556	0.556190
Gm25745	chr10:86705315-86705448	12.0191	13.2283	0.1383	0.667971
BC030307	chr10:86705810-86776843	0.5499	0.4309	-0.3516	0.182270
Parpbb	chr10:88091431-88146941	0.5063	0.6822	0.4303	0.340557
Gm16235	chr10:88444235-88449887	4.5729	4.2156	-0.1174	0.643795
Sycp3	chr10:88459568-88473236	0.5843	0.5872	0.0070	0.991447
Gm4925	chr10:88729540-88731101	0.7594	0.9000	0.2450	0.467732
Gas2l3	chr10:89408822-89443967	0.2449	0.3735	0.6086	0.028979
1500026H17Rik	chr10:89686370-89700866	0.2294	0.1380	-0.7336	0.040476
NA	chr10:89724749-89724875	7.4448	4.7023	-0.6629	0.124972
Ikkip	chr10:91082939-91102607	0.4247	0.5749	0.4371	0.110400
Cfap54	chr10:92775618-93081618	0.0312	0.0398	0.3503	0.560696

<i>Mir1931</i>	chr10:93162784-93162903	4.2964	3.2642	-0.3964	0.476338
<i>4933408J17Rik</i>	chr10:93589412-93605245	0.4979	0.6594	0.4052	0.427651
<i>Socs2</i>	chr10:95385361-95417180	0.1251	0.3196	1.3530	0.153248
<i>Gm16239</i>	chr10:99179183-99184610	0.3167	0.5640	0.8326	0.070213
<i>Tmtc3</i>	chr10:100443901-100487350	0.2883	0.2844	-0.0197	0.937909
<i>Tmtc2</i>	chr10:105187662-105574451	0.1469	0.2526	0.7825	0.066113
<i>E2f7</i>	chr10:110745438-110787384	0.0793	0.0992	0.3226	0.393626
<i>Csrp2</i>	chr10:110920176-110939599	0.9776	0.9309	-0.0706	0.825446
<i>Phlda1</i>	chr10:111506285-111508645	0.3872	0.4753	0.2956	0.516130
<i>Kcnmb4os1</i>	chr10:116418051-116421237	4.2911	4.3111	0.0067	0.983281
<i>Slc35e3</i>	chr10:117733678-117746358	0.9500	1.1069	0.2206	0.172177
<i>lfng</i>	chr10:118441046-118445892	1.4782	3.6141	1.2898	0.222056
<i>Irak3</i>	chr10:120141647-120202130	0.8813	0.9852	0.1608	0.652634
<i>Gm16166</i>	chr10:120928185-120928972	1.4509	2.2135	0.6094	0.120613
<i>Mirlet7i</i>	chr10:122985639-122985724	4.5743	4.1884	-0.1272	0.857951
<i>Avil</i>	chr10:127000708-127020994	0.6421	0.6210	-0.0481	0.796142
<i>Gm20492</i>	chr10:127288513-127289681	3.1914	4.8260	0.5966	0.171311
<i>Gm4189</i>	chr10:127289695-127290788	2.3178	1.9259	-0.2673	0.498582
<i>Stac3</i>	chr10:127501685-127508823	0.6410	0.5367	-0.2562	0.264289
<i>Lrp1</i>	chr10:127538160-127621148	0.0455	0.0854	0.9079	0.112515
<i>Myo1a</i>	chr10:127705169-127720887	0.1739	0.1424	-0.2886	0.419292
<i>Gpr182</i>	chr10:127747275-127751732	0.4582	0.7017	0.6150	0.044206
<i>Rdh1</i>	chr10:127759720-127768297	0.0875	0.1952	1.1571	0.091451
<i>Rdh9</i>	chr10:127759786-127792697	0.1378	0.2124	0.6242	0.369399
<i>Gm25206</i>	chr10:128084142-128084216	18.8008	19.0530	0.0192	0.962880
<i>Mir677</i>	chr10:128085288-128085360	19.1527	18.9898	-0.0123	0.937813
<i>Gls2</i>	chr10:128194456-128210004	0.5586	0.6142	0.1369	0.358083
<i>Mip</i>	chr10:128225837-128231812	0.4789	0.5081	0.0853	0.825222
<i>Gm26847</i>	chr10:128230589-128232790	1.4857	1.6393	0.1419	0.684985
<i>Gm17201</i>	chr10:128391841-128395563	3.8044	4.4925	0.2399	0.544895
<i>Mmp19</i>	chr10:128790952-128800824	0.6423	0.6090	-0.0769	0.652618
<i>Gm9770</i>	chr10:130412498-130413312	1.6627	1.6994	0.0316	0.930294
<i>Gm11948</i>	chr11:3353572-3354911	2.7499	2.4736	-0.1527	0.658098
<i>Smtn</i>	chr11:3517522-3540612	0.4643	0.7744	0.7380	0.111490
<i>Gm11946</i>	chr11:3530156-3536856	0.2020	0.3425	0.7620	0.156130
<i>Slc35e4</i>	chr11:3907020-3914664	0.3666	0.4836	0.3998	0.444828
<i>Mtfp1</i>	chr11:4091479-4095445	0.8567	0.6561	-0.3850	0.247275
<i>Sec14l2</i>	chr11:4097038-4123415	0.5098	0.5274	0.0488	0.843782
<i>Lif</i>	chr11:4257556-4272514	0.2698	0.3603	0.4174	0.435410
<i>Gm11960</i>	chr11:4561779-4564637	0.4785	0.7959	0.7341	0.083271
<i>AA413626</i>	chr11:4918509-4919003	4.7014	5.7004	0.2780	0.212312
<i>Aebp1</i>	chr11:5861946-5872088	0.1582	0.1710	0.1118	0.618720
<i>Gm11969</i>	chr11:6182678-6183034	2.0335	2.4490	0.2683	0.346009
<i>Gm11970</i>	chr11:6446217-6446537	5.9430	5.0571	-0.2329	0.335974
<i>Gm22457</i>	chr11:6528032-6528165	15.7848	16.7970	0.0897	0.784527
<i>Snora5c</i>	chr11:6620318-6620454	11.3771	11.4956	0.0149	0.963188
<i>Adcy1</i>	chr11:7063488-7178506	0.1318	0.0960	-0.4567	0.304982
<i>Gm11989</i>	chr11:8383181-8383853	0.8909	0.6137	-0.5377	0.312761
<i>Vwc2</i>	chr11:11114222-11268931	0.1710	0.2456	0.5226	0.201161
<i>4930415F15Rik</i>	chr11:11462093-11515192	0.8274	0.9277	0.1651	0.609442
<i>Gm11999</i>	chr11:11642202-11685400	4.9277	4.0670	-0.2770	0.103208
<i>Flgnl1</i>	chr11:11787430-11808962	0.7724	0.8758	0.1812	0.554021
<i>Ddc</i>	chr11:11814100-11898144	0.5133	0.4278	-0.2629	0.487085
<i>Akt2-ps</i>	chr11:16514532-16515981	2.1691	1.9708	-0.1383	0.455967
<i>Fbxo48</i>	chr11:16951374-16954772	0.5448	0.6692	0.2968	0.420859
<i>Cnrip1</i>	chr11:17051585-17079371	0.1430	0.2266	0.6640	0.153936
<i>Etaa1os</i>	chr11:17953969-17959578	1.3104	0.9953	-0.3968	0.221310
<i>Gm12036</i>	chr11:20729419-20729949	7.0483	6.5556	-0.1045	0.326956
<i>Ehbp1</i>	chr11:22005827-22342292	0.5840	0.6031	0.0466	0.819941
<i>Gm20456</i>	chr11:22839298-22842604	2.7428	2.4352	-0.1716	0.423635
<i>9130230N09Rik</i>	chr11:22858930-22861264	3.7658	3.9260	0.0601	0.855898
<i>Fam161a</i>	chr11:23007530-23030788	0.2114	0.2306	0.1254	0.594444
<i>1700030C12Rik</i>	chr11:23497752-23499661	2.2031	1.8789	-0.2297	0.161308
<i>Gm12061</i>	chr11:23894559-23895488	4.2278	4.5630	0.1101	0.630813
<i>Bcl11a</i>	chr11:24078055-24174123	0.0480	0.1328	1.4690	0.001188
<i>Gm6899</i>	chr11:26593240-26593862	2.3492	1.8817	-0.3202	0.062350
<i>Clhc1</i>	chr11:29547949-29578367	0.8248	0.7465	-0.1439	0.547987
<i>Eml6</i>	chr11:29743047-30026033	0.2676	0.2876	0.1041	0.654629
<i>Acyp2</i>	chr11:30505990-30649587	0.6211	0.5875	-0.0803	0.898443
<i>Gm12097</i>	chr11:30572790-30574454	0.5097	0.6281	0.3014	0.327433
<i>Gm12103</i>	chr11:30822241-30822670	1.8272	2.1382	0.2268	0.269822

<i>Gm12102</i>	chr11:31003294-31003898	2.6019	3.3524	0.3656	0.337170
<i>Stc2</i>	chr11:31357306-31370074	0.1706	0.4537	1.4110	0.170890
<i>Gm12107</i>	chr11:31832659-31838214	3.9279	3.6845	-0.0923	0.454017
<i>Rhbdf1</i>	chr11:32209584-32222300	0.2153	0.1989	-0.1149	0.588831
<i>Ubtcd2</i>	chr11:32455369-32516687	2.2712	2.2753	0.0026	0.988045
<i>Efcab9</i>	chr11:32522750-32532081	2.4774	1.9281	-0.3616	0.209292
<i>Anp32-ps</i>	chr11:33394878-33395266	3.3432	4.2116	0.3331	0.138869
<i>Kcnmb1</i>	chr11:33963012-33973641	0.3268	0.5137	0.6527	0.198590
<i>Gm12141</i>	chr11:41498736-41500901	0.3917	0.5589	0.5130	0.175628
<i>Ccnjl</i>	chr11:43528783-43586997	0.2614	0.1745	-0.5831	0.181207
<i>Gm16034</i>	chr11:46143896-46145014	6.3916	8.9788	0.4903	0.064078
<i>Gm12568</i>	chr11:46243570-46244194	1.3866	1.7315	0.3205	0.535503
<i>Fam71b</i>	chr11:46396558-46407982	0.4311	0.6955	0.6900	0.050288
<i>Havcr2</i>	chr11:46454934-46481255	0.4947	1.2527	1.3405	0.000848
<i>Gm12176</i>	chr11:47541431-47542306	1.4988	1.1796	-0.3455	0.080880
<i>Gm12178</i>	chr11:48289983-48290313	5.1311	5.5875	0.1229	0.630730
<i>Gm25296</i>	chr11:48800865-48800932	30.4421	29.2694	-0.0567	0.807090
<i>Snord95</i>	chr11:48803138-48803206	32.1823	35.9151	0.1583	0.408408
<i>Trim7</i>	chr11:48826139-48852209	0.0751	0.1958	1.3826	0.005291
<i>Gm5431</i>	chr11:48887421-48902152	0.4729	0.4236	-0.1591	0.676096
<i>Olfr56</i>	chr11:48978888-49135387	1.5689	2.0085	0.3564	0.102052
<i>Gm12188</i>	chr11:49088233-49088543	5.9465	5.1396	-0.2104	0.415955
<i>Olfr1396</i>	chr11:49112776-49114874	0.2991	0.4247	0.5057	0.512520
<i>Gm12192</i>	chr11:49697879-49698366	1.3092	1.9341	0.5630	0.099162
<i>Gm12195</i>	chr11:50134081-50135004	3.8850	4.9945	0.3624	0.124278
<i>Gm26542</i>	chr11:50237008-50288839	2.7758	3.0260	0.1245	0.691400
<i>Zfp879</i>	chr11:50832030-50841552	0.3582	0.3656	0.0294	0.940429
<i>Grm6</i>	chr11:50850684-50866208	0.2259	0.2594	0.1996	0.161829
<i>Zfp2</i>	chr11:50898711-50916165	0.5351	0.6750	0.3350	0.019119
<i>D930048N14Rik</i>	chr11:51650953-51657681	0.6975	0.7056	0.0166	0.933494
<i>O610009B22Rik</i>	chr11:51685385-51688874	2.5968	3.3406	0.3634	0.118488
<i>Mir3061</i>	chr11:52126745-52126836	5.0432	6.5593	0.3792	0.375444
<i>Gm12207</i>	chr11:52233723-52236619	5.9853	6.8736	0.1996	0.216609
<i>Zcchc10</i>	chr11:53324678-53333301	2.3480	3.3509	0.5131	0.002727
<i>Leap2</i>	chr11:53422180-53423170	3.5489	3.2329	-0.1345	0.413649
<i>Sept8</i>	chr11:53519256-53549565	0.3434	0.3676	0.0980	0.762286
<i>Il4</i>	chr11:53602981-53618669	0.5961	0.8791	0.5605	0.411919
<i>Gm22275</i>	chr11:53701178-53701488	3.8473	4.8036	0.3203	0.359043
<i>P4ha2</i>	chr11:54100094-54131665	0.3648	0.3555	-0.0374	0.876156
<i>Gm26116</i>	chr11:54658496-54658573	17.1627	17.0652	-0.0082	0.984695
<i>Gm12229</i>	chr11:54746356-54746824	2.5561	2.8580	0.1611	0.621011
<i>Gm12230</i>	chr11:54947434-54947888	2.7824	4.3089	0.6310	0.098774
<i>Slc36a3</i>	chr11:55124814-55151708	0.4722	0.5394	0.1919	0.631272
<i>Slc36a3os</i>	chr11:55137043-55140193	2.3118	2.8469	0.3003	0.346012
<i>Gm22884</i>	chr11:55482693-55482833	12.2456	10.2195	-0.2609	0.452855
<i>Gm12238</i>	chr11:55482705-55482829	12.9739	10.8477	-0.2582	0.474271
<i>4933424L21Rik</i>	chr11:57623697-57649494	1.5195	2.3603	0.6354	0.082388
<i>4933426K07Rik</i>	chr11:57655414-57657826	2.0452	2.9801	0.5431	0.064693
<i>2010001A14Rik</i>	chr11:57795498-57801417	3.3991	3.0505	-0.1561	0.566951
<i>Gm12248</i>	chr11:58063827-58072937	1.1408	1.2821	0.1684	0.685568
<i>Gm12246</i>	chr11:58126067-58128512	3.1103	2.5974	-0.2600	0.365080
<i>Gm12254</i>	chr11:58508790-58509261	7.7621	9.1636	0.2395	0.421036
<i>Hist3h2bb-ps</i>	chr11:58954047-58954512	7.1909	7.8800	0.1320	0.677186
<i>Gm12263</i>	chr11:59474283-59475765	0.3981	0.3502	-0.1849	0.728309
<i>Pemt</i>	chr11:59970613-60046489	1.0650	0.8647	-0.3005	0.346245
<i>Gm12265</i>	chr11:60240809-60241930	4.3428	4.9747	0.1960	0.436695
<i>Gm12266</i>	chr11:60343244-60344206	1.4742	1.6134	0.1302	0.805814
<i>Lrrc48</i>	chr11:60353328-60394341	0.3330	0.3846	0.2078	0.299791
<i>Gm26534</i>	chr11:60879117-60887218	1.2482	1.4279	0.1940	0.469773
<i>Map2k3os</i>	chr11:60920916-60931867	0.6817	0.6600	-0.0467	0.934918
<i>Mfap4</i>	chr11:61485430-61488900	0.6076	0.5028	-0.2733	0.542015
<i>Epn2</i>	chr11:61517248-61579687	0.1413	0.1357	-0.0584	0.839370
<i>Fam83g</i>	chr11:61684090-61709951	0.1488	0.2263	0.6044	0.404570
<i>Specc1</i>	chr11:61956778-62223013	0.1023	0.1823	0.8327	0.006772
<i>Zswim7</i>	chr11:62267223-62281375	4.1870	3.7429	-0.1617	0.278214
<i>Gm12276</i>	chr11:62331420-62331721	11.1448	15.3874	0.4654	0.045340
<i>Cenpv</i>	chr11:62524945-62539261	1.4872	1.4020	-0.0852	0.699396
<i>Snord49b</i>	chr11:62603078-62603150	15.8869	14.9373	-0.0889	0.384789
<i>Snord49a</i>	chr11:62603449-62603521	43.6278	44.8502	0.0399	0.880521
<i>Snord65</i>	chr11:62604514-62604586	13.9681	17.4704	0.3228	0.185919
<i>Zfp286</i>	chr11:62753376-62789462	0.6628	0.7305	0.1405	0.533449

<i>Trim16</i>	chr11:62820230-62850808	0.3405	0.4365	0.3580	0.114669
<i>9630013K17Rik</i>	chr11:63964225-63968040	2.0804	1.4166	-0.5544	0.005599
<i>Gm12289</i>	chr11:64012614-64015224	0.8186	1.0261	0.3260	0.162700
<i>Arhgap44</i>	chr11:65002038-65162961	0.2324	0.1914	-0.2802	0.530187
<i>Dnah9</i>	chr11:65831281-66168551	0.0791	0.1023	0.3714	0.384637
<i>Myh3</i>	chr11:67078299-67102291	0.0726	0.2535	1.8036	0.153709
<i>C78197</i>	chr11:68192192-68196153	0.4487	0.5427	0.2742	0.529235
<i>Gm12305</i>	chr11:68269557-68270879	1.9293	2.2134	0.1983	0.649132
<i>Rangrf</i>	chr11:68972483-68975185	1.7212	1.5119	-0.1870	0.036045
<i>Mir3062</i>	chr11:68990573-68990678	9.0765	8.4353	-0.1057	0.819246
<i>Aurkb</i>	chr11:69045646-69051664	1.1467	1.2644	0.1410	0.750636
<i>Tmem107</i>	chr11:69070805-69073293	0.3918	0.3996	0.0283	0.897785
<i>Snord118</i>	chr11:69073426-69073561	8.0682	6.0207	-0.4223	0.366911
<i>Alox8</i>	chr11:69183931-69197843	0.3219	0.4945	0.6195	0.258296
<i>Kcnab3</i>	chr11:69326257-69333042	0.2407	0.4953	1.0411	0.048937
<i>Efnb3</i>	chr11:69554091-69560205	0.2709	0.2555	-0.0843	0.810968
<i>Sox15</i>	chr11:69655313-69656727	1.1017	0.9274	-0.2485	0.470704
<i>Gm24029</i>	chr11:69667833-69667976	24.3049	22.2911	-0.1248	0.476204
<i>Nlgn2</i>	chr11:69823121-69837784	0.3211	0.3577	0.1559	0.707473
<i>Tnk1</i>	chr11:69851004-69858730	0.3020	0.4348	0.5257	0.171236
<i>Kctd11</i>	chr11:69878264-69880985	0.6254	0.7048	0.1725	0.467144
<i>Slc16a11</i>	chr11:70212751-70216417	0.7163	0.7926	0.1460	0.401347
<i>Alox12</i>	chr11:70241456-70255353	0.2692	0.2891	0.1030	0.700156
<i>Cxcl16</i>	chr11:70453982-70459984	1.0424	1.3752	0.3998	0.089824
<i>Chrne</i>	chr11:70614882-70619216	0.3361	0.5422	0.6897	0.064174
<i>Gm12319</i>	chr11:70654740-70656493	7.2947	6.9465	-0.0706	0.762461
<i>Gm19967</i>	chr11:70864659-70872754	1.0120	1.2685	0.3258	0.055646
<i>6330403K07Rik</i>	chr11:71031940-71033513	1.0545	1.4420	0.4515	0.530969
<i>Fam64a</i>	chr11:72042031-72047370	0.3817	0.4672	0.2916	0.503044
<i>4930563E22Rik</i>	chr11:72215137-72218450	0.8890	0.8601	-0.0478	0.757679
<i>Fbxo39</i>	chr11:72314443-72319416	0.4464	0.4122	-0.1150	0.703589
<i>Spns2</i>	chr11:72451637-72489904	0.2372	0.4428	0.9003	0.042796
<i>Spns3</i>	chr11:72494918-72550506	0.1570	0.2471	0.6542	0.183567
<i>Gm6733</i>	chr11:72833460-72835380	0.7933	1.1545	0.5414	0.212440
<i>P2rx5</i>	chr11:73160420-73172685	0.4163	0.7312	0.8127	0.054822
<i>Gm12333</i>	chr11:75036475-75039348	0.8132	1.0922	0.4255	0.230283
<i>Rps12-ps19</i>	chr11:75070813-75071213	2.4615	2.3533	-0.0649	0.715691
<i>Hic1</i>	chr11:75164564-75169519	0.4903	0.7840	0.6774	0.132165
<i>Serpinf1</i>	chr11:75409768-75422701	0.2109	0.4852	1.2020	0.238139
<i>Mir22hg</i>	chr11:75461538-75466676	0.8256	1.2327	0.5784	0.162959
<i>Scarf1</i>	chr11:75513539-75526582	0.7692	0.8547	0.1521	0.699163
<i>NA</i>	chr11:75696390-75696461	16.5583	14.4058	-0.2009	0.586939
<i>1700016K19Rik</i>	chr11:75999911-76003569	1.2667	1.2532	-0.0154	0.926972
<i>Gm12340</i>	chr11:76144257-76144719	0.5798	0.3837	-0.5956	0.657169
<i>NA</i>	chr11:77149627-77150525	0.6259	0.4287	-0.5458	0.416978
<i>Gm12734</i>	chr11:77542132-77543080	3.3135	3.6135	0.1250	0.567688
<i>Cryba1</i>	chr11:77718614-77725283	0.9018	1.0445	0.2119	0.553882
<i>Gm12571</i>	chr11:78149195-78149438	1.9953	2.6872	0.4295	0.300814
<i>Snord42a</i>	chr11:78181298-78181363	15.4792	18.1774	0.2318	0.408335
<i>Snord4a</i>	chr11:78181685-78181756	10.2354	10.5243	0.0402	0.876368
<i>Snord42b</i>	chr11:78183055-78183124	18.2822	16.5631	-0.1425	0.354739
<i>Proca1</i>	chr11:78193391-78205763	0.7229	0.6695	-0.1107	0.853001
<i>Gm11192</i>	chr11:78278737-78279066	20.9073	27.5246	0.3967	0.111477
<i>BC030499</i>	chr11:78290840-78296805	0.8835	0.8340	-0.0832	0.688543
<i>Aldoc</i>	chr11:78322967-78327781	0.9811	1.0204	0.0566	0.878231
<i>Slc46a1</i>	chr11:78465696-78472059	0.3418	0.2756	-0.3104	0.452620
<i>Sarm1</i>	chr11:78472329-78497754	0.2467	0.2772	0.1685	0.632560
<i>Sebox</i>	chr11:78503448-78505081	0.8785	0.6169	-0.5101	0.387399
<i>Gm17235</i>	chr11:78576236-78577350	2.3066	2.5935	0.1691	0.417561
<i>Gm11201</i>	chr11:79023596-79031057	3.4621	4.0292	0.2188	0.453693
<i>Omg</i>	chr11:79500981-79504084	0.1598	0.2505	0.6489	0.338290
<i>Rab11fip4os1</i>	chr11:79607078-79623163	0.7538	0.7992	0.0844	0.460891
<i>Rhbdl3</i>	chr11:80300911-80355955	0.3961	0.4340	0.1319	0.606968
<i>C030013C21Rik</i>	chr11:80507409-80509106	0.6281	0.3646	-0.7847	0.143320
<i>Fndc8</i>	chr11:82892123-82900801	0.8520	0.9116	0.0976	0.789501
<i>Slfn4</i>	chr11:83175185-83190221	0.4209	0.5718	0.4421	0.570175
<i>AA465934</i>	chr11:83291698-83294632	4.8082	5.7949	0.2693	0.335243
<i>Snord7</i>	chr11:83294303-83294400	5.3531	5.9121	0.1433	0.830832
<i>1700020L24Rik</i>	chr11:83437685-83441232	1.0267	1.0823	0.0761	0.872835
<i>Mmp28</i>	chr11:83440767-83463071	0.2187	0.2410	0.1398	0.729159
<i>Ccl6</i>	chr11:83587881-83593087	0.4875	0.4548	-0.1004	0.740116

<i>Ccl3</i>	chr11:83647843-83649355	0.4862	1.6415	1.7555	0.231396
<i>Dusp14</i>	chr11:84048040-84069261	0.4850	0.6747	0.4764	0.519836
<i>4930502E09Rik</i>	chr11:84829177-84830868	2.6629	2.3573	-0.1759	0.502543
<i>NA</i>	chr11:85234774-85235223	6.5215	5.4918	-0.2479	0.465585
<i>Appbp2os</i>	chr11:85235170-85238304	3.0491	3.4428	0.1752	0.592734
<i>Bcas3os1</i>	chr11:85702199-85719744	0.6364	0.8168	0.3600	0.418478
<i>2610027K06Rik</i>	chr11:85791660-85832223	0.5762	0.5324	-0.1140	0.539417
<i>NA</i>	chr11:86317265-86317487	5.8838	5.2896	-0.1536	0.588772
<i>Gm25427</i>	chr11:86333205-86333308	8.4578	8.9985	0.0894	0.711068
<i>Gm11491</i>	chr11:87121566-87126958	3.2371	3.2427	0.0025	0.991572
<i>Ppm1e</i>	chr11:87226905-87359023	0.1485	0.2095	0.4962	0.147231
<i>Rad51c</i>	chr11:87376644-87404954	0.6489	0.6073	-0.0956	0.560775
<i>Tex14</i>	chr11:87405064-87555823	0.2298	0.3946	0.7805	0.005210
<i>Gm22068</i>	chr11:87426715-87426879	15.6002	14.3854	-0.1170	0.642007
<i>NA</i>	chr11:87443236-87443450	6.3152	6.0425	-0.0637	0.866961
<i>NA</i>	chr11:87471367-87471581	3.4994	1.7634	-0.9888	0.017241
<i>Sept4</i>	chr11:87568902-87590539	0.7981	0.7501	-0.0893	0.703778
<i>2010015M23Rik</i>	chr11:88039577-88047360	1.0938	0.8861	-0.3039	0.348507
<i>Gm15893</i>	chr11:88356290-88363947	1.2185	1.9399	0.6709	0.010136
<i>C030037D09Rik</i>	chr11:88718644-88728893	0.3963	0.4405	0.1525	0.603618
<i>Akap1</i>	chr11:88830791-88864586	0.8909	0.7669	-0.2163	0.190610
<i>Scpep1</i>	chr11:88924019-88955465	1.4721	1.6400	0.1558	0.534488
<i>Gm21885</i>	chr11:94284651-94285985	8.2979	7.6039	-0.1260	0.563430
<i>Abcc3</i>	chr11:94343294-94392997	0.2446	0.4828	0.9810	0.224543
<i>Acsf2</i>	chr11:94557101-94601871	1.1607	1.0319	-0.1698	0.399050
<i>Chad</i>	chr11:94565046-94569127	0.4872	0.5659	0.2161	0.486962
<i>Cdc34-ps</i>	chr11:94741781-94743014	0.3276	0.1936	-0.7591	0.366279
<i>Pdk2</i>	chr11:95026257-95041354	0.6979	0.8250	0.2414	0.413817
<i>Itga3</i>	chr11:95044473-95076801	0.3527	0.4215	0.2569	0.488480
<i>Tac4</i>	chr11:95261528-95269265	1.9061	2.1310	0.1609	0.475705
<i>Gm11521</i>	chr11:95336010-95337408	3.8152	4.8988	0.3607	0.057788
<i>Gm26830</i>	chr11:95669951-95672719	1.2628	1.0777	-0.2287	0.583053
<i>Polr2k-ps</i>	chr11:95761490-95761665	8.1466	8.3975	0.0438	0.874281
<i>4833417C18Rik</i>	chr11:95858864-95861044	1.1848	1.3863	0.2266	0.262117
<i>Gm11539</i>	chr11:96248632-96249189	1.7217	1.4766	-0.2215	0.362122
<i>Hoxb4</i>	chr11:96316683-96321638	0.3427	0.5301	0.6293	0.008209
<i>Gm11531</i>	chr11:96392111-96392666	1.6980	1.8601	0.1316	0.725122
<i>Gm11529</i>	chr11:96448322-96464547	2.7473	3.2524	0.2435	0.196151
<i>Gm11517</i>	chr11:96795438-96795825	1.7799	1.9542	0.1349	0.783261
<i>Prr15l</i>	chr11:96928103-96937830	0.5119	0.5585	0.1257	0.620527
<i>Gm11592</i>	chr11:97280127-97282897	1.0831	0.7455	-0.5389	0.152767
<i>Gpr179</i>	chr11:97332108-97352077	0.1409	0.1305	-0.1111	0.813688
<i>Pcgf2</i>	chr11:97688822-97700497	0.3821	0.3934	0.0422	0.899070
<i>1700001P01Rik</i>	chr11:97771480-97775918	1.7543	1.1985	-0.5497	0.113429
<i>Snora21</i>	chr11:97781638-97781775	19.4411	19.0777	-0.0272	0.824083
<i>Fbxo47</i>	chr11:97853825-97884154	0.8305	1.0617	0.3543	0.191799
<i>Ptxdc1</i>	chr11:97923237-97986444	0.2729	0.4413	0.6935	0.083096
<i>Gm11633</i>	chr11:97968791-97969235	1.3800	1.3314	-0.0517	0.935992
<i>Gm11604</i>	chr11:98185365-98186107	1.7578	1.8143	0.0456	0.767023
<i>Erbp2</i>	chr11:98412469-98437716	0.0725	0.0790	0.1242	0.799739
<i>Zpbb2</i>	chr11:98551096-98558665	2.0591	1.9105	-0.1081	0.510139
<i>Gm12356</i>	chr11:98682920-98683415	6.1795	5.8241	-0.0854	0.786102
<i>Nr1d1</i>	chr11:98767931-98775333	0.7588	0.6574	-0.2070	0.543533
<i>Cdc6</i>	chr11:98907800-98923940	0.4472	0.6204	0.4722	0.248974
<i>Krt222</i>	chr11:99232760-99244085	1.2162	1.0985	-0.1468	0.311864
<i>Krt10</i>	chr11:99385253-99389364	0.8020	0.8497	0.0832	0.689888
<i>Gm11560</i>	chr11:99932161-99933109	0.7504	0.6818	-0.1384	0.749228
<i>Hap1</i>	chr11:100347326-100356128	0.3022	0.5924	0.9711	0.016446
<i>Gm10039</i>	chr11:100361617-100362151	2.0209	2.0963	0.0529	0.878408
<i>Fkbp10</i>	chr11:100415696-100424824	0.2960	0.4354	0.5565	0.201281
<i>Klhl10</i>	chr11:100441916-100457022	0.6970	0.6926	-0.0091	0.967430
<i>Zfp385c</i>	chr11:100627542-100692455	0.9480	1.0008	0.0781	0.440738
<i>Dhx58os</i>	chr11:100687416-100697520	1.6409	2.4943	0.6041	0.108760
<i>Hspb9</i>	chr11:100713849-100714575	1.9116	2.0538	0.1035	0.748022
<i>Kcnn4</i>	chr11:100740375-100759942	0.3021	0.3520	0.2205	0.664054
<i>Atp6v0a1</i>	chr11:101009451-101063719	0.3232	0.4223	0.3859	0.134223
<i>Cntnap1</i>	chr11:101170522-101190724	0.2522	0.3329	0.4008	0.243949
<i>Ccr10</i>	chr11:101172996-101175443	0.5758	0.4244	-0.4401	0.376289
<i>Ptges3l</i>	chr11:101418811-101425333	1.3699	1.3357	-0.0364	0.830632
<i>Rnd2</i>	chr11:101464998-101471853	0.2749	0.2990	0.1213	0.710612
<i>Tmem106a</i>	chr11:101582241-101591788	1.0974	1.3996	0.3509	0.104184

<i>Arl4d</i>	chr11:101665540-101667832	0.8070	1.3992	0.7939	0.104590
<i>Etv4</i>	chr11:101769741-101785371	0.3199	0.3460	0.1133	0.783406
<i>Mpp2</i>	chr11:102057014-102088515	0.1584	0.3193	1.0119	0.082420
<i>Itga2b</i>	chr11:102453296-102470122	0.5329	0.6042	0.1812	0.319032
<i>Kif18b</i>	chr11:102905528-102925124	0.6750	0.9945	0.5591	0.301232
<i>1700023F06Rik</i>	chr11:103198945-103208558	0.4103	0.3732	-0.1366	0.783821
<i>1700028N14Rik</i>	chr11:103264859-103267745	3.3113	3.5826	0.1136	0.466299
<i>Arhgap27os2</i>	chr11:103355700-103361092	0.6753	0.9955	0.5598	0.129251
<i>C130046K22Rik</i>	chr11:103697723-103722832	2.4055	1.9854	-0.2769	0.253265
<i>Gm8738</i>	chr11:103879914-103880243	2.3164	2.7696	0.2578	0.604672
<i>Mapt</i>	chr11:104231389-104332090	0.2686	0.3194	0.2499	0.515496
<i>Gm11662</i>	chr11:104679104-104680655	1.3444	1.4729	0.1317	0.763056
<i>Tanc2</i>	chr11:105589985-105929304	0.0603	0.1135	0.9118	0.010245
<i>Kcnh6</i>	chr11:106008123-106034549	0.9745	1.0776	0.1451	0.516375
<i>Taco1os</i>	chr11:106065076-106066305	1.2680	1.2749	0.0078	0.977315
<i>Gm11672</i>	chr11:106126335-106127351	3.5112	3.8340	0.1269	0.505782
<i>Gm10840</i>	chr11:106160849-106161158	9.7815	7.1693	-0.4482	0.104936
<i>Cd79b</i>	chr11:106311340-106314762	0.7989	1.4801	0.8896	0.133253
<i>Gm22711</i>	chr11:106501242-106501377	8.0092	6.4244	-0.3181	0.563315
<i>1810010H24Rik</i>	chr11:107028117-107030443	1.4114	1.6318	0.2093	0.466510
<i>Gm11719</i>	chr11:107330707-107331058	7.0354	6.9387	-0.0199	0.928968
<i>Gm11713</i>	chr11:107410389-107413549	1.3939	1.1064	-0.3333	0.501039
<i>Gm11714</i>	chr11:107428275-107435686	3.9052	4.6425	0.2495	0.216672
<i>Gm11722</i>	chr11:107481915-107483107	1.6081	1.4238	-0.1756	0.529509
<i>A830035A12Rik</i>	chr11:107531756-107548373	0.6954	0.3463	-1.0057	0.156287
<i>Gm11655</i>	chr11:108181849-108194126	2.3513	3.4808	0.5660	0.092872
<i>ApoH</i>	chr11:108343314-108414396	1.1513	1.6658	0.5330	0.239651
<i>Rgs9</i>	chr11:109225354-109298129	0.0987	0.2270	1.2012	0.230509
<i>9930022D16Rik</i>	chr11:109413916-109420405	0.4072	0.3605	-0.1755	0.489714
<i>Gm15642</i>	chr11:109437171-109438145	5.5508	3.6479	-0.6056	0.032456
<i>Wipi1</i>	chr11:109573330-109611967	0.1327	0.1798	0.4386	0.326060
<i>Abca5</i>	chr11:110269368-110337716	0.0310	0.0467	0.5910	0.392620
<i>Kcnj16</i>	chr11:110968032-111027968	0.4001	0.4279	0.0971	0.811710
<i>Gm11675</i>	chr11:111276099-111276931	1.6964	1.3624	-0.3163	0.513423
<i>4732490B19Rik</i>	chr11:113203314-113209669	0.2154	0.1802	-0.2575	0.703870
<i>Gm11693</i>	chr11:113678529-113679331	1.9487	2.3044	0.2419	0.554369
<i>Cpsf4l</i>	chr11:113698171-113710017	1.0798	1.1081	0.0373	0.881637
<i>Ttyh2</i>	chr11:114675430-114720977	0.3524	0.4191	0.2501	0.187164
<i>Cd300a</i>	chr11:114890040-114904654	0.2424	0.3986	0.7174	0.038803
<i>Cd300f</i>	chr11:115116213-115133992	0.1207	0.3061	1.3426	0.004513
<i>Cdr2l</i>	chr11:115381915-115396132	0.4126	0.2456	-0.7485	0.079602
<i>Gm25364</i>	chr11:115601655-115601762	8.5875	8.6078	0.0034	0.987721
<i>Caskin2</i>	chr11:115799182-115813639	0.2844	0.4259	0.5824	0.254142
<i>Myo15b</i>	chr11:115861611-115892603	0.1121	0.1087	-0.0444	0.897822
<i>Smim5</i>	chr11:115899965-115906269	1.0158	0.9741	-0.0604	0.794891
<i>Smim6</i>	chr11:115912016-115913920	1.2773	1.2801	0.0031	0.992744
<i>Sap30bpos</i>	chr11:115946449-115952105	0.8495	1.1234	0.4033	0.270765
<i>Itgb4</i>	chr11:115974708-116008412	0.3051	0.3990	0.3871	0.267499
<i>Trim47</i>	chr11:116105751-116127210	1.3306	1.3224	-0.0089	0.978496
<i>Cdk3-ps</i>	chr11:116216002-116220287	1.4662	1.1038	-0.4096	0.083876
<i>Evpl</i>	chr11:116220558-116238077	0.1465	0.1662	0.1816	0.722776
<i>Galr2</i>	chr11:116280938-116283938	0.4579	0.4777	0.0609	0.875513
<i>Rps11-ps2</i>	chr11:116382749-116383205	1.1265	0.8957	-0.3308	0.399668
<i>Qrich2</i>	chr11:116441324-116455237	0.4093	0.4778	0.2231	0.476977
<i>Gm11739</i>	chr11:116466318-116474274	4.1743	4.6459	0.1544	0.279320
<i>Gm11738</i>	chr11:118114854-118118279	0.3210	0.2952	-0.1213	0.670234
<i>Gm24060</i>	chr11:118180940-118181035	23.0390	22.4829	-0.0352	0.869630
<i>BC100451</i>	chr11:118332359-118342500	0.7063	1.1811	0.7418	0.009336
<i>Gm11748</i>	chr11:118476469-118479458	1.6375	1.8144	0.1480	0.471373
<i>Ccdc40</i>	chr11:119228571-119265236	0.2001	0.1392	-0.5231	0.203009
<i>Rptoros</i>	chr11:119820811-119834365	0.9272	1.1155	0.2668	0.507615
<i>Gm11767</i>	chr11:119935802-119942698	3.5185	3.7459	0.0904	0.752132
<i>2810410L24Rik</i>	chr11:120185399-120189852	0.3205	0.3652	0.1881	0.655279
<i>Gm23419</i>	chr11:120346735-120346819	38.0146	27.3107	-0.4771	0.071089
<i>Fscn2</i>	chr11:120361533-120368168	0.7656	0.7660	0.0007	0.997000
<i>Pde6g</i>	chr11:120447604-120453500	0.3410	0.2886	-0.2407	0.687749
<i>Gm11788</i>	chr11:120489405-120492394	1.5352	1.8201	0.2456	0.518951
<i>NA</i>	chr11:120627680-120628181	4.9892	5.2871	0.0837	0.778498
<i>Pycr1</i>	chr11:120635711-120643769	0.1595	0.2361	0.5663	0.188116
<i>Dcxr</i>	chr11:120725398-120727281	1.0374	1.8008	0.7956	0.260190
<i>Ccdc57</i>	chr11:120826528-120932872	0.1134	0.0991	-0.1957	0.792361

Gm11793	chr11:121106146-121107127	0.7140	0.6890	-0.0515	0.877547
Fn3k	chr11:121434912-121450491	0.5201	0.5856	0.1710	0.490074
Zfp750	chr11:121510977-121519333	0.5808	0.8018	0.4651	0.000762
Gm26520	chr12:3343815-3357153	1.2254	1.1395	-0.1048	0.856512
Dtnbos	chr12:3752542-3762146	0.4623	0.5814	0.3305	0.499721
Dnmt3aos	chr12:3859292-3862244	0.7288	0.7674	0.0744	0.773369
Pomc	chr12:3954950-3960618	0.9968	0.9176	-0.1194	0.743128
Gm17541	chr12:4689401-4689926	1.6991	1.9269	0.1815	0.709187
Fam228a	chr12:4713816-4738383	0.7103	0.7181	0.0156	0.957661
Fam228b	chr12:4746215-4769267	0.3020	0.3002	-0.0087	0.969068
Mfsd2b	chr12:4862439-4874359	0.5206	0.5965	0.1966	0.432513
Wdr35	chr12:8973891-9028847	0.2364	0.2382	0.0108	0.953609
Gm22748	chr12:17546145-17546281	3.7912	5.6354	0.5719	0.174333
3110053B16Rik	chr12:20874124-20921262	1.7352	1.5059	-0.2045	0.034389
Zfp125	chr12:20899821-20900867	5.4989	7.3751	0.4235	0.208600
Gm21989	chr12:20990458-21200919	0.3345	0.3948	0.2390	0.617249
Gm20535	chr12:21252117-21255952	0.4105	0.4984	0.2800	0.522330
Gm25821	chr12:21287926-21288059	5.5140	6.0533	0.1346	0.519451
Gm4419	chr12:21417910-21419803	1.2287	1.3052	0.0871	0.701586
Gm16372	chr12:24493206-24493656	4.1937	2.9855	-0.4903	0.155907
Gm6969	chr12:24638668-24639010	2.2056	2.9197	0.4046	0.391678
Sh3yl1	chr12:30911667-30960162	0.3035	0.2657	-0.1919	0.610425
Prkar2b	chr12:31958475-32061296	1.0450	1.1220	0.1025	0.496185
4933406C10Rik	chr12:32919383-32953789	0.3381	0.3831	0.1801	0.562100
Gm16267	chr12:33111961-33138945	0.9479	1.2224	0.3669	0.474400
Hdac9	chr12:34371502-34528889	0.4971	0.3717	-0.4193	0.352106
Gm5434	chr12:36090378-36091829	0.7189	1.0174	0.5011	0.378764
Ispd	chr12:36381518-36689444	0.2709	0.5353	0.9825	0.336200
Gm17056	chr12:40198655-40201105	0.5853	0.5672	-0.0453	0.901544
Gm17024	chr12:40209486-40211073	4.5047	4.8367	0.1026	0.503613
Immp2l	chr12:41024089-41955588	0.7966	1.0603	0.4126	0.067422
Coch	chr12:51593340-51605773	0.9456	0.9316	-0.0216	0.964835
Nubpl	chr12:52097736-52312744	0.7950	0.7848	-0.0187	0.877786
Gm22513	chr12:54696781-54696945	16.7081	21.9800	0.3956	0.390601
Gm27014	chr12:54963063-54964200	2.1293	2.3565	0.1462	0.735349
Gm20403	chr12:54986157-54986529	2.2349	2.0598	-0.1177	0.751077
Srp54b	chr12:55155103-55189213	0.8403	0.3949	-1.0894	0.017618
Gm22973	chr12:59040334-59040525	3.2836	3.4981	0.0913	0.900655
Gm24233	chr12:59134071-59134193	6.4442	8.2648	0.3590	0.178606
Gm527	chr12:64917910-64924591	2.5279	2.7597	0.1266	0.437418
Rps29	chr12:69157721-69159186	4.8155	5.4675	0.1832	0.219952
NA	chr12:69361184-69361481	5.0271	3.5696	-0.4940	0.187710
Atp5s	chr12:69724961-69744658	2.1594	2.7362	0.3416	0.054533
4931403G20Rik	chr12:69847634-69853671	0.5629	0.5630	0.0001	0.999730
Atl1	chr12:69893104-69964085	0.5607	0.5549	-0.0150	0.923969
Gm22058	chr12:69930903-69931213	9.3015	7.9005	-0.2355	0.436595
Pygl	chr12:70190810-70231488	0.2831	0.4305	0.6047	0.216581
Tom20l	chr12:71111427-71123222	1.2626	0.7983	-0.6613	0.204722
Ccdc175	chr12:72101291-72185029	0.6036	0.6841	0.1807	0.511261
Hspa2	chr12:76404175-76406934	0.4315	0.9074	1.0724	0.041277
Plekhg3	chr12:76533559-76579039	0.3151	0.5195	0.7211	0.183158
Sptb	chr12:76580487-76710547	0.2251	0.3411	0.5999	0.256877
Plek2	chr12:78888690-78906964	1.1019	1.1987	0.1214	0.684330
Arg2	chr12:79130776-79156301	1.6525	2.4728	0.5815	0.108595
Gm17194	chr12:79168485-79168833	7.7134	7.9043	0.0353	0.689566
Erh	chr12:80634021-80644341	2.2823	2.3026	0.0128	0.919306
Gm4787	chr12:81376990-81379464	0.5484	0.6573	0.2612	0.501350
Adam4	chr12:81419442-81421946	0.7304	0.9906	0.4396	0.093674
Gm24853	chr12:81501239-81501360	24.4491	24.6157	0.0098	0.969913
Gm17191	chr12:81532034-81533358	2.2736	2.0757	-0.1314	0.674967
Gm16572	chr12:81587798-81589640	2.6216	2.7116	0.0487	0.905881
Papln	chr12:83763633-83792382	0.1152	0.1248	0.1150	0.827612
Dnal1	chr12:84114365-84147498	0.1563	0.2141	0.4535	0.227626
Pnma1	chr12:84146130-84148489	0.6007	0.5982	-0.0061	0.987704
Gm5436	chr12:84258331-84258973	1.7886	1.6680	-0.1007	0.799220
Fam161b	chr12:84345308-84361833	0.6702	0.5427	-0.3044	0.424967
Gm17193	chr12:84922541-84923512	2.1323	2.1822	0.0333	0.912974
Prox2os	chr12:85086373-85088228	1.7486	1.9335	0.1450	0.532473
Rps6kl1	chr12:85135595-85151264	1.0225	1.2147	0.2484	0.339234
Zc2hc1c	chr12:85288590-85299358	0.4416	0.6104	0.4670	0.062186
Jdp2	chr12:85599104-85639878	0.7073	0.9305	0.3957	0.372131

<i>Mfsd7c</i>	chr12:85746538-85813585	0.3642	0.4983	0.4525	0.220428
<i>Tgfb3</i>	chr12:86056743-86079041	0.6561	1.1536	0.8142	0.089928
<i>Gm26698</i>	chr12:86891403-86892567	4.0069	3.6160	-0.1481	0.385125
<i>Gm26764</i>	chr12:87332487-87335655	1.1727	1.2269	0.0653	0.822379
<i>Mir3068</i>	chr12:87437681-87437817	18.5531	19.4454	0.0678	0.688764
<i>Ston2</i>	chr12:91638541-91788387	0.1124	0.1879	0.7408	0.003808
<i>Spata7</i>	chr12:98628156-98669815	0.0968	0.1201	0.3106	0.689681
<i>Ttc8</i>	chr12:98920573-98983238	0.1835	0.2634	0.5218	0.368852
<i>Gm20682</i>	chr12:99292607-99296620	0.5575	0.6606	0.2446	0.547267
<i>330002A11Rik</i>	chr12:99341153-99361827	1.0865	1.0767	-0.0130	0.975680
<i>Efcab11</i>	chr12:99717530-99883442	0.3555	0.5369	0.5949	0.233170
<i>Mir1190</i>	chr12:101021672-101021793	7.9612	13.0682	0.7150	0.142635
<i>9330161L09Rik</i>	chr12:103406821-103407820	3.9461	3.6720	-0.1039	0.656508
<i>Serpina3f</i>	chr12:104214543-104221129	0.3286	0.7223	1.1362	0.346377
<i>D430019H16Rik</i>	chr12:105453855-105493095	0.2120	0.4056	0.9359	0.266606
<i>Gm16086</i>	chr12:107079359-107099673	5.2697	2.9294	-0.8471	0.005829
<i>Gm16085</i>	chr12:107129680-107132576	4.0739	3.4600	-0.2357	0.491687
<i>Gm16084</i>	chr12:107147163-107160207	2.6886	2.2907	-0.2311	0.553311
<i>Gm2800</i>	chr12:107183554-107186734	3.7736	4.0888	0.1157	0.736004
<i>Ccdc85c</i>	chr12:108206344-108275417	0.5341	0.3300	-0.6947	0.298236
<i>Slc25a47</i>	chr12:108851128-108856814	1.4098	1.2188	-0.2100	0.575030
<i>Rian</i>	chr12:109603939-109661716	0.0285	0.0554	0.9592	0.262211
<i>1700001K19Rik</i>	chr12:110667688-110682619	1.6995	1.6563	-0.0372	0.908058
<i>Mok</i>	chr12:110807797-110840939	0.4993	0.6332	0.3428	0.395338
<i>Mpc1-ps</i>	chr12:110858069-110858942	1.0001	0.7279	-0.4583	0.325687
<i>Ankrd9</i>	chr12:110975352-110979040	1.4362	1.0547	-0.4454	0.105058
<i>4930595D18Rik</i>	chr12:111159849-111184491	2.0632	2.1787	0.0786	0.673042
<i>Cdc42bbp</i>	chr12:111292971-111377718	0.1334	0.1894	0.5058	0.428132
<i>Snora28</i>	chr12:111540940-111541067	29.3377	31.2121	0.0893	0.648818
<i>2810029C07Rik</i>	chr12:111572320-111574402	0.3339	0.2964	-0.1718	0.587310
<i>Gm15995</i>	chr12:111726391-111727127	1.0637	1.4339	0.4309	0.259257
<i>Gm15996</i>	chr12:111730093-111731831	1.4889	1.9889	0.4177	0.278588
<i>Pld4</i>	chr12:112760654-112768986	1.1114	2.0226	0.8638	0.034994
<i>Tex22</i>	chr12:113074501-113088917	2.0048	1.7871	-0.1659	0.255311
<i>Crip2</i>	chr12:113140235-113145504	1.3351	1.1137	-0.2615	0.565292
<i>Igha</i>	chr12:113258767-113260236	1.6595	0.7334	-1.1781	0.408211
<i>Ighg2c</i>	chr12:113285324-113288930	1.3577	1.7278	0.3477	0.776398
<i>Ighg1</i>	chr12:113328975-113330523	0.6619	0.7400	0.1609	0.917975
<i>Adam6b</i>	chr12:113489544-113492018	0.6617	0.4612	-0.5206	0.244874
<i>Ighv1-22</i>	chr12:114746272-114746706	0.4650	0.0001	-12.1831	0.355918
<i>Wdr60</i>	chr12:116207049-116263025	0.2715	0.2502	-0.1179	0.820922
<i>Rapgef5</i>	chr12:117516478-117756978	0.2692	0.4484	0.7359	0.379899
<i>Gm6768</i>	chr12:119260933-119264272	0.3456	0.3660	0.0828	0.861995
<i>Gm23084</i>	chr13:3648536-3648650	5.1444	4.9591	-0.0529	0.913389
<i>Akr1c18</i>	chr13:4132614-4150654	1.3531	0.8563	-0.6600	0.212268
<i>Idi1</i>	chr13:8885500-8892451	0.8975	0.6990	-0.3607	0.347240
<i>Gm23553</i>	chr13:9109304-9109599	2.7873	4.6173	0.7282	0.023215
<i>Chrm3</i>	chr13:9877228-9878998	0.8601	0.8098	-0.0868	0.770964
<i>Actn2</i>	chr13:12269425-12340760	0.9179	0.8717	-0.0745	0.764877
<i>Edaradd</i>	chr13:12471208-12520450	0.3673	0.2936	-0.3232	0.162125
<i>Gm18856</i>	chr13:13964486-13965860	0.4812	0.6442	0.4209	0.296261
<i>Tcrg-C1</i>	chr13:19214102-19216618	1.0989	1.4710	0.4207	0.291594
<i>Gpr141</i>	chr13:19749681-19824257	0.1712	0.4664	1.4455	0.064204
<i>Pgbd1</i>	chr13:21421274-21441058	0.3118	0.2919	-0.0951	0.760682
<i>Hist1h2bl</i>	chr13:21715762-21716143	7.6800	7.1839	-0.0963	0.836899
<i>NA</i>	chr13:21717627-21718115	3.4410	3.8259	0.1530	0.552762
<i>Hist1h2bn</i>	chr13:21754122-21754503	3.0045	3.6972	0.2993	0.393667
<i>NA</i>	chr13:21782914-21783397	6.9947	7.3813	0.0776	0.775874
<i>Hist1h2an</i>	chr13:21786825-21787218	6.8286	8.4855	0.3134	0.518566
<i>Prss16</i>	chr13:22002175-22009742	1.0843	1.0766	-0.0102	0.977964
<i>Hist1h2ah</i>	chr13:22035112-22035643	2.9421	2.1630	-0.4438	0.391603
<i>Hist1h2ag</i>	chr13:22042478-22042949	2.5647	2.5275	-0.0211	0.963486
<i>4930586N03Rik</i>	chr13:23313524-23385799	2.2767	2.8064	0.3017	0.187574
<i>Hist1h2af</i>	chr13:23533905-23534304	4.7225	5.7507	0.2842	0.426311
<i>Hist1h2bf</i>	chr13:23573735-23574196	6.9677	6.2578	-0.1550	0.665839
<i>Hist1h2ad</i>	chr13:23574380-23574952	1.5482	2.2135	0.5158	0.046718
<i>Hist1h4d</i>	chr13:23581597-23581990	312.4235	291.9847	-0.0976	0.664223
<i>Gm11398</i>	chr13:23620729-23621049	3.6552	3.9991	0.1298	0.736460
<i>Hfe</i>	chr13:23702033-23710854	0.2910	0.5433	0.9004	0.159548
<i>Hist1h3c</i>	chr13:23744972-23745602	4.3066	5.7213	0.4098	0.196905
<i>Hist1h2ab</i>	chr13:23751087-23751593	6.3572	8.7431	0.4598	0.194143

4930558J22Rik	chr13:23756202-23757620	0.7227	0.8761	0.2776	0.459540
Hist1h4a	chr13:23760801-23761249	5.4169	8.7882	0.6981	0.062571
Lrrc16a	chr13:24012343-24280795	0.0464	0.1519	1.7110	0.023130
Gm11342	chr13:24336269-24337343	0.5041	0.9641	0.9354	0.152498
Gm11345	chr13:24366775-24375950	1.0040	1.2257	0.2878	0.380776
Aldh5a1	chr13:24907578-24937661	0.3572	0.4667	0.3859	0.238046
Gm11361	chr13:28257635-28258094	6.2186	6.8976	0.1495	0.486087
2610307P16Rik	chr13:28460033-28885620	0.4910	0.5909	0.2671	0.493457
Gm11366	chr13:30181715-30182144	2.2803	1.9588	-0.2193	0.578673
Dusp22	chr13:30659988-30711231	2.2496	1.9359	-0.2167	0.039485
Hus1b	chr13:30946572-30947759	0.7846	0.7253	-0.1135	0.681991
1110046J04Rik	chr13:33935566-33960181	0.2689	0.4453	0.7277	0.070185
Slc22a23	chr13:34179157-34345182	0.6599	0.5818	-0.1817	0.422012
F13a1	chr13:36867177-37050244	0.4678	0.4355	-0.1031	0.662864
Cage1	chr13:38006051-38037069	0.7745	0.9199	0.2482	0.136929
5033403F01Rik	chr13:38960618-38966299	0.6435	0.7567	0.2337	0.501996
Gcnt2	chr13:40859767-40960891	0.1488	0.2181	0.5517	0.122194
A730081D07Rik	chr13:40956413-41001151	0.6400	0.7280	0.1858	0.486098
Gm26877	chr13:41359970-41370908	3.6080	4.3189	0.2595	0.442270
Tbc1d7	chr13:43151743-43171501	2.8017	2.7885	-0.0068	0.975782
Gm26064	chr13:43425741-43425850	12.0940	13.7187	0.1819	0.555728
Cap2	chr13:46501847-46649642	0.8662	0.9786	0.1760	0.470310
Nhlrc1	chr13:47012557-47014850	1.0668	0.9113	-0.2273	0.524696
Tpmt	chr13:47025169-47044737	0.8201	1.0640	0.3757	0.164647
A830005F24Rik	chr13:48513569-48514859	1.5939	1.7399	0.1265	0.730043
Mirlet7d	chr13:48536011-48536114	14.4395	14.3365	-0.0103	0.967020
Gm24111	chr13:48537824-48537921	29.9890	24.6112	-0.2851	0.181737
Ptpdc1	chr13:48577872-48625573	0.5297	0.6686	0.3360	0.302147
Phf2os1	chr13:48871111-48875460	6.4920	7.7547	0.2564	0.299378
Cenpp	chr13:49464026-49652746	1.8907	2.7773	0.5547	0.021087
Tes3-ps	chr13:49493614-49494819	1.8944	2.3550	0.3140	0.387911
Ecm2	chr13:49504809-49532789	0.1089	0.1025	-0.0867	0.888733
Gadd45g	chr13:51846677-51848468	1.9904	2.9818	0.5831	0.204415
Syk	chr13:52583172-52648792	0.3012	0.4606	0.6129	0.139371
Gm16578	chr13:54219452-54223023	0.7714	0.7832	0.0218	0.941109
Hk3	chr13:55005984-55021385	0.4869	0.4410	-0.1430	0.714361
Gm17617	chr13:55132961-55133548	45.3351	58.9624	0.3792	0.066575
F12	chr13:55417957-55426793	0.2729	0.1866	-0.5483	0.178301
Dbn1	chr13:55473428-55488111	0.1029	0.1536	0.5783	0.373995
Pdlim7	chr13:55495794-55513676	0.7691	0.7717	0.0049	0.984689
Dok3	chr13:55523234-55528538	1.2881	1.0470	-0.2990	0.274531
4930451E10Rik	chr13:55775135-55784505	1.3742	1.4356	0.0630	0.856822
Tifab	chr13:56173702-56178885	0.2605	0.5592	1.1022	0.061869
Tgfb1	chr13:56609602-56639339	0.4793	0.9096	0.9243	0.025200
Mir7-1	chr13:58392778-58392886	11.4849	13.1237	0.1924	0.391382
4930486L24Rik	chr13:60842620-60864416	2.1969	2.0437	-0.1042	0.708626
Ctla2b	chr13:60895350-60897447	0.9249	1.1300	0.2890	0.617579
Gm20563	chr13:62006665-62006941	1.8989	2.6853	0.4999	0.346811
Zfp808	chr13:62129915-62173419	1.0215	1.2734	0.3179	0.289779
Gm3604	chr13:62368862-62371936	2.2447	1.8268	-0.2972	0.304976
Gm5665	chr13:62699405-62726689	0.5150	0.6757	0.3917	0.309080
Mir27b	chr13:63300699-63300796	21.5819	21.3040	-0.0187	0.934206
Mir3074-1	chr13:63301179-63301296	12.8605	11.2527	-0.1927	0.571741
Gm10767	chr13:66904913-66909236	1.4680	1.5457	0.0745	0.690066
Rscan18	chr13:67096612-67114028	1.1792	0.9262	-0.3484	0.105834
9430065F17Rik	chr13:67553233-67564009	0.6886	0.7678	0.1571	0.698385
Gm26587	chr13:67660456-67661445	3.5593	3.5965	0.0150	0.914072
Zfp85os	chr13:67729261-67756838	0.7745	0.7219	-0.1014	0.428739
4930525G20Rik	chr13:67796593-67830985	0.8452	0.9752	0.2064	0.430509
Srd5a1	chr13:69573448-69611442	0.2595	0.3962	0.6104	0.075664
Slc6a19	chr13:73679744-73704865	0.1949	0.2038	0.0644	0.912986
Trip13	chr13:73912461-73937767	0.6138	0.7092	0.2084	0.516486
Tppp	chr13:74009406-74035753	0.6662	0.8299	0.3170	0.176922
Gm16125	chr13:74340538-74340877	7.6231	7.4652	-0.0302	0.841589
Zfp72	chr13:74371425-74376566	2.2286	2.4477	0.1353	0.165641
Eil2	chr13:75707483-75772356	0.5404	0.7690	0.5089	0.258807
Mctp1	chr13:76384534-77031810	0.1289	0.2975	1.2064	0.005314
2210408I21Rik	chr13:77135539-77613291	0.3336	0.3509	0.0731	0.817622
Mef2c	chr13:83504033-83667079	0.1044	0.2591	1.3107	0.092871
A230107N01Rik	chr13:84219580-84222175	0.2841	0.2690	-0.0789	0.855414
Gm4117	chr13:89739459-89887166	0.0208	0.0339	0.7052	0.092966

<i>Rps23</i>	chr13:90923130-90924942	4.6845	5.4220	0.2109	0.327530
<i>A830009L08Rik</i>	chr13:91368987-91388085	0.3116	0.4018	0.3667	0.464523
<i>Fam151b</i>	chr13:92449621-92484031	2.1718	2.0210	-0.1038	0.394334
<i>Gm26527</i>	chr13:93940989-93943015	1.2448	1.5606	0.3261	0.337149
<i>Scamp1</i>	chr13:94201309-94285857	0.2160	0.3011	0.4795	0.335852
<i>Gm9776</i>	chr13:94355838-94358818	0.3026	0.4679	0.6291	0.134154
<i>Pde8b</i>	chr13:95024453-95250336	0.4463	0.5869	0.3951	0.107013
<i>Zbed3</i>	chr13:95325236-95337841	0.3126	0.2143	-0.5446	0.422404
<i>Gm27031</i>	chr13:95954593-95957171	0.5232	0.4405	-0.2482	0.542654
<i>Ankdd1b</i>	chr13:96416133-96471198	0.8688	0.8711	0.0038	0.971511
<i>Serf1</i>	chr13:100107996-100114571	1.0669	0.7560	-0.4969	0.375840
<i>Naip5</i>	chr13:100211738-100246323	0.2097	0.4779	1.1880	0.087913
<i>Naip6</i>	chr13:100281120-100317674	0.1759	0.2544	0.5322	0.357902
<i>Mrps36</i>	chr13:100735954-100744659	1.4811	1.3335	-0.1515	0.635284
<i>Cenph</i>	chr13:100759673-100775899	0.6139	0.8435	0.4583	0.314574
<i>Ccnb1</i>	chr13:100778649-100786570	0.4193	0.5718	0.4476	0.130435
<i>Cd180</i>	chr13:102693557-102739629	0.1704	0.1835	0.1064	0.726763
<i>Sgtb</i>	chr13:104109740-104141735	0.7661	0.8529	0.1548	0.317886
<i>Cenpk</i>	chr13:104228954-104249615	0.4995	0.6997	0.4862	0.031779
<i>2610204G07Rik</i>	chr13:104684930-104694994	0.7423	1.4397	0.9557	0.186857
<i>Gm2822</i>	chr13:108313098-108316273	0.7704	0.5834	-0.4013	0.028619
<i>Depdc1b</i>	chr13:108316331-108407782	0.7686	0.7544	-0.0269	0.939740
<i>Plk2</i>	chr13:110395043-110400844	0.2649	0.3479	0.3934	0.338045
<i>Gm15327</i>	chr13:111809140-111811039	0.8865	0.5968	-0.5707	0.303329
<i>Gm15326</i>	chr13:111867935-111874730	1.5880	2.1487	0.4363	0.203349
<i>Ankrd55</i>	chr13:112288450-112384002	0.4006	0.4129	0.0437	0.914259
<i>Gm26943</i>	chr13:112884225-112885182	1.4265	1.6297	0.1922	0.542759
<i>Gzma</i>	chr13:113093824-113100979	3.0160	3.7494	0.3140	0.663470
<i>3110070M22Rik</i>	chr13:119487260-119488383	0.8505	0.8127	-0.0656	0.876314
<i>Gm7120</i>	chr13:119487940-119610458	0.4857	0.4569	-0.0882	0.755920
<i>Gm20900</i>	chr13:120304193-120304655	3.4831	3.1862	-0.1285	0.687301
<i>Gm17590</i>	chr5:3473070-3473178	11.1461	13.8235	0.3106	0.342952
<i>Lrrd1</i>	chr5:3845172-3866596	0.3830	0.3036	-0.3355	0.335266
<i>Mterf1b</i>	chr5:4192366-4197651	2.6797	2.7177	0.0203	0.841399
<i>Cdk14</i>	chr5:4803390-5420312	0.0423	0.1010	1.2547	0.005679
<i>Cldn12</i>	chr5:5505014-5514958	0.4698	0.7121	0.6001	0.165323
<i>NA</i>	chr5:5781529-5783607	0.9249	0.8292	-0.1575	0.639533
<i>Gm26825</i>	chr5:5781529-5783636	0.9486	0.8505	-0.1575	0.639533
<i>Gm5106</i>	chr5:8773576-8798523	0.4552	0.7376	0.6962	0.419602
<i>Gm15610</i>	chr5:8971947-8972142	4.0292	2.7006	-0.5772	0.053410
<i>Magi2</i>	chr5:19227045-20704798	0.3424	0.5556	0.6985	0.055908
<i>Gm15421</i>	chr5:22528320-22528719	1.3368	1.6787	0.3286	0.075490
<i>Rpl17-ps5</i>	chr5:22612590-22613217	2.7672	2.4634	-0.1678	0.544290
<i>4933427G23Rik</i>	chr5:23815617-23831897	0.9354	1.1242	0.2652	0.104250
<i>Atg9b</i>	chr5:24384180-24392143	0.5166	0.5037	-0.0364	0.890906
<i>Asic3</i>	chr5:24413450-24417834	1.8522	1.6082	-0.2038	0.324342
<i>Gbx1</i>	chr5:24502756-24527276	0.2331	0.4357	0.9023	0.042950
<i>Mir671</i>	chr5:24592113-24592211	9.3209	9.3900	0.0106	0.980037
<i>Crygn</i>	chr5:24751002-24758008	1.6177	2.0027	0.3080	0.333344
<i>Gm25363</i>	chr5:24820592-24820837	4.3562	3.9592	-0.1378	0.721039
<i>Prkag2os1</i>	chr5:24902568-24906850	1.1863	1.2070	0.0250	0.910525
<i>E130116L18Rik</i>	chr5:25222847-25223153	3.2080	2.9137	-0.1388	0.630809
<i>Hspe1-ps3</i>	chr5:25391607-25391884	3.5132	4.0692	0.2120	0.577193
<i>4831440E17Rik</i>	chr5:25499066-25501541	3.0865	3.1900	0.0476	0.798571
<i>Cct8l1</i>	chr5:25516066-25518021	0.1838	0.2749	0.5812	0.321761
<i>Lmbr1</i>	chr5:29229813-29378390	0.6656	0.8230	0.3062	0.381918
<i>Gm5129</i>	chr5:29735636-29735936	2.1778	2.0118	-0.1144	0.680655
<i>Gareml</i>	chr5:30105160-30118378	0.1638	0.1581	-0.0512	0.895525
<i>Gm16288</i>	chr5:30240081-30240448	2.3846	2.5690	0.1075	0.747284
<i>Mapre3</i>	chr5:30814640-30866106	0.5200	0.7046	0.4384	0.272726
<i>Gm9970</i>	chr5:31240674-31241232	4.6975	3.5255	-0.4141	0.125137
<i>4930566F21Rik</i>	chr5:31486628-31495179	1.3051	1.1628	-0.1666	0.640122
<i>Gm17130</i>	chr5:32005976-32010863	1.1263	1.6033	0.5094	0.021730
<i>Gm15613</i>	chr5:32479559-32479885	8.0637	8.4594	0.0691	0.733851
<i>Yes1</i>	chr5:32611170-32687066	0.1470	0.1314	-0.1618	0.712224
<i>Gm2420</i>	chr5:32724351-32736194	2.1144	2.1419	0.0186	0.937781
<i>Gm9903</i>	chr5:33629924-33632092	1.1534	1.5222	0.4003	0.041523
<i>Fgfr3</i>	chr5:33721723-33737068	0.0940	0.1107	0.2369	0.680778
<i>Gm10059</i>	chr5:33759365-33759536	5.1177	6.4211	0.3273	0.128649
<i>Poln</i>	chr5:34007197-34169448	0.4876	0.5424	0.1539	0.387833
<i>Zfyve28</i>	chr5:34194873-34288449	0.4076	0.7142	0.8093	0.022000

Gm15513	chr5:34211809-34213802	0.3316	0.4469	0.4303	0.419610
Gm26931	chr5:34481913-34482522	3.3953	3.3871	-0.0035	0.991094
Msantd1	chr5:34915914-34923839	0.6193	0.7163	0.2099	0.366968
Sh3tc1	chr5:35697179-35729276	0.3547	0.3603	0.0226	0.913908
Ablim2	chr5:35757879-35884973	0.4123	0.3771	-0.1286	0.458231
Wfs1	chr5:36966103-36988982	1.2236	0.9473	-0.3693	0.059370
Gm1043	chr5:37185896-37193023	0.7572	0.6319	-0.2609	0.384897
Crmp1	chr5:37242079-37292132	0.9475	1.3469	0.5073	0.264772
Nsg1	chr5:38137192-38159467	0.6774	0.8697	0.3604	0.392102
Zfp518b	chr5:38668483-38684826	0.3649	0.5346	0.5511	0.190973
Cc2d2a	chr5:43662378-43740972	0.1441	0.2894	1.0062	0.041143
Cd38	chr5:43868808-43912375	0.6547	1.1372	0.7965	0.280003
Fam184b	chr5:45529705-45639501	0.3002	0.2874	-0.0630	0.901861
Kcnp4	chr5:48389501-49524904	0.3708	0.4958	0.4192	0.143245
5730480H06Rik	chr5:48395572-48414294	1.0855	1.1453	0.0773	0.692581
Gpr125	chr5:49959950-50058996	0.3279	0.2908	-0.1731	0.602059
9230114K14Rik	chr5:52190680-52197984	0.5769	0.6433	0.1572	0.597401
Gm15820	chr5:54094000-54095041	2.9481	3.2945	0.1603	0.656405
Gm15975	chr5:55624187-55625593	0.4302	0.3559	-0.2734	0.574631
Gm15819	chr5:63923900-63924969	1.3502	3.2347	1.2605	0.001018
Gm15824	chr5:64190031-64190989	2.4647	3.1781	0.3668	0.416428
Gm6044	chr5:64320255-64320754	0.8815	1.1127	0.3360	0.594151
Fam114a1	chr5:64970070-65041874	1.1857	1.2927	0.1246	0.707330
Chrna9	chr5:65934920-65977326	0.1536	0.0931	-0.7212	0.149648
Apbb2	chr5:66298860-66618828	0.1446	0.2352	0.7021	0.029768
Gm6517	chr5:66890363-66890884	7.7638	6.7786	-0.1958	0.480367
Bend4	chr5:67392146-67427799	0.1752	0.2807	0.6803	0.064276
Gm15478	chr5:67642400-67646776	0.9154	1.3105	0.5176	0.224674
Gm15477	chr5:67847065-67909013	0.5579	0.3944	-0.5004	0.207838
Gm5867	chr5:69461150-69461741	1.6296	1.7788	0.1264	0.672681
Corin	chr5:72300024-72504473	0.4014	0.4847	0.2722	0.155231
Gm17207	chr5:73210108-73212634	1.2961	1.9942	0.6216	0.040887
Usp4Gos2	chr5:74032268-74039996	0.7585	1.0401	0.4556	0.234514
Rasl11b	chr5:74195295-74199478	1.7110	1.2832	-0.4151	0.040470
Kit	chr5:75574915-75656722	0.1645	0.3764	1.1944	0.023438
Apc-ps1	chr5:76196624-76197094	2.6097	3.5049	0.4255	0.273353
Hopxos	chr5:77094531-77102303	1.4344	2.1584	0.5895	0.170493
Lphn3	chr5:81020137-81825133	0.0985	0.2345	1.2512	0.102123
Gm24524	chr5:86079765-86079935	5.1274	3.1605	-0.6981	0.099524
Igj	chr5:88520511-88527891	0.8995	0.5810	-0.6306	0.397762
Adamts3	chr5:89673840-89883334	0.3237	0.3893	0.2662	0.242753
Mthfd2l	chr5:90931195-91021360	1.2187	0.9343	-0.3835	0.215563
Btc	chr5:91357260-91402994	0.2763	0.2784	0.0113	0.980274
Cdkl2	chr5:92006073-92043042	0.2423	0.2909	0.2638	0.448739
Gm22728	chr5:92056063-92056192	8.6860	11.5923	0.4164	0.116621
Art3	chr5:92331826-92414628	0.2907	0.4680	0.6868	0.080230
Gm2986	chr5:93195797-93196179	4.1067	4.1857	0.0275	0.911355
2010109A12Rik	chr5:93206517-93213475	1.9562	1.9217	-0.0257	0.938685
Kat2b-ps	chr5:93390601-93393091	0.4327	0.3862	-0.1638	0.684419
Rasgef1b	chr5:99217425-99252927	0.2628	0.5277	1.0055	0.000383
Plac8	chr5:100553724-100572245	1.0277	2.3671	1.2038	0.011328
Hpse	chr5:100679483-100719716	0.2870	0.3818	0.4115	0.384320
Agpat9	chr5:100845712-100899102	0.2234	0.1953	-0.1940	0.691544
Spp1	chr5:104435117-104441050	0.5493	1.6965	1.6268	0.252202
C230066G23Rik	chr5:105580439-105581772	3.8378	5.1449	0.4229	0.058490
Gm8145	chr5:107241622-107242367	1.0966	1.2072	0.1386	0.702474
Brdt	chr5:107331158-107387058	0.7198	0.8390	0.2210	0.129488
Ephx4	chr5:107402735-107430035	0.9199	0.8704	-0.0797	0.849327
Gm17202	chr5:107404822-107431910	0.5049	0.3814	-0.4046	0.383298
Btbd8	chr5:107437996-107491628	0.7036	0.8745	0.3136	0.396737
A930041C12Rik	chr5:107630249-107633850	1.9124	2.1758	0.1861	0.678102
Gm26692	chr5:107659096-107688015	1.4485	2.1274	0.5545	0.095015
A430072P03Rik	chr5:107725156-107728801	0.9377	1.2786	0.4475	0.080662
Evi5	chr5:107744794-107875107	0.2978	0.2913	-0.0316	0.815673
Gm26387	chr5:107907344-107907476	11.8155	13.9399	0.2385	0.404357
Ccdc18	chr5:108132913-108232947	0.4559	0.4726	0.0518	0.853958
Fgfr1l	chr5:108694228-108706950	0.7048	0.5760	-0.2911	0.391748
Gm17655	chr5:110046231-110046486	5.5891	4.0101	-0.4790	0.157208
Gm15484	chr5:110118021-110118849	0.6690	0.5642	-0.2459	0.548664
Pxmp2	chr5:110274281-110286186	0.6824	0.8374	0.2953	0.488908
Gm26711	chr5:110385834-110388073	1.0187	1.0544	0.0496	0.887616

Gm22716	chr5:110677123-110677230	8.7254	7.8649	-0.1498	0.609117
Gm26079	chr5:110692048-110692181	11.6965	15.3221	0.3895	0.393782
Gm26515	chr5:110779881-110781127	2.0272	2.1597	0.0914	0.612919
Mn1	chr5:111417361-111457033	0.1581	0.1737	0.1358	0.727208
Gm20636	chr5:112374368-112377639	2.2152	1.5912	-0.4773	0.038386
2900026A02Rik	chr5:113086322-113163351	0.0548	0.0873	0.6705	0.225072
Acacb	chr5:114146534-114250761	0.3295	0.3279	-0.0069	0.964027
Fam222a	chr5:114568015-114613220	0.6185	0.5588	-0.1464	0.740585
Trpv4	chr5:114622151-114658421	0.3008	0.3467	0.2050	0.542260
4930515G01Rik	chr5:114773736-114774983	2.5661	2.3204	-0.1452	0.664899
Gm13822	chr5:114917317-114923277	1.8692	2.4764	0.4059	0.352658
Cit	chr5:115845277-116008947	0.1811	0.2605	0.5249	0.389423
Gm14508	chr5:116009315-116016105	3.2558	3.2211	-0.0155	0.935313
9530046B11Rik	chr5:117115217-117118723	0.7998	0.8079	0.0145	0.979790
Vsig10	chr5:117319265-117355005	0.3010	0.6899	1.1965	0.143528
Ksr2	chr5:117413999-11775003	0.1185	0.2275	0.9412	0.042414
Rnft2	chr5:118190735-118245116	0.1858	0.1608	-0.2088	0.348810
Iqcd	chr5:120589015-120607114	1.2457	1.3597	0.1264	0.719371
Ccdc42b	chr5:120628334-120634235	1.3639	1.5835	0.2154	0.389538
Gm26205	chr5:121205009-121205143	20.7354	18.0350	-0.2013	0.319494
Acad12	chr5:121598283-121618938	0.3119	0.3381	0.1163	0.681563
Gm16552	chr5:121717665-121727403	1.5003	1.4735	-0.0260	0.940666
Gm15842	chr5:122302421-122303039	4.5183	4.9430	0.1296	0.618826
Gm15846	chr5:122438595-122438915	3.0048	5.0048	0.7360	0.011178
Morn3	chr5:123035768-123047016	0.6372	0.7877	0.3057	0.527915
Gm26745	chr5:123047372-123230871	1.1762	1.2966	0.1406	0.563899
Wdr66	chr5:123252101-123327484	0.2706	0.3218	0.2497	0.572454
Gm15747	chr5:123393648-123397957	3.7614	3.8981	0.0515	0.856863
Gm24840	chr5:123628200-123628347	5.8648	6.4485	0.1369	0.580199
Pitpnm2os2	chr5:124194906-124200346	0.3782	0.6875	0.8622	0.024219
Pitpnm2os1	chr5:124229724-124237137	0.7909	1.1572	0.5491	0.228857
Cdk2ap1	chr5:124345416-124354671	1.6626	1.8400	0.1463	0.542682
Rilp1	chr5:124493081-124531391	1.2724	1.3877	0.1251	0.638177
Dnah10	chr5:124725084-124834308	0.1100	0.0772	-0.5106	0.216156
Fam101a	chr5:125003446-125012547	0.4280	0.5305	0.3099	0.575969
Gpr133	chr5:129096749-129204599	0.3442	0.3610	0.0688	0.853522
Mmp17	chr5:129584168-129608875	0.2592	0.1726	-0.5862	0.151834
Gm15903	chr5:129727045-129728385	4.0842	4.5339	0.1507	0.698787
Gm23245	chr5:129789538-129789673	13.2250	10.3471	-0.3541	0.180323
Snora15	chr5:129794545-129794676	13.9371	8.5937	-0.6976	0.043514
Phkg1	chr5:129863420-129898549	0.3785	0.4357	0.2030	0.589592
Zbed5	chr5:129895722-129903623	0.3069	0.3780	0.3010	0.368610
Nupr1l	chr5:129908567-129910396	0.3612	0.5157	0.5136	0.016177
NA	chr5:134176357-134176956	2.5084	1.5039	-0.7380	0.000555
Gm24139	chr5:134204468-134204756	2.4154	1.7701	-0.4485	0.372492
Lot2	chr5:134600267-134615023	1.4355	1.8705	0.3819	0.063097
Cldn4	chr5:134945125-134946934	0.6725	0.4348	-0.6291	0.466179
Abhd11os	chr5:135012113-135013253	3.9455	3.8646	-0.0299	0.911514
Gm25492	chr5:135053987-135054116	5.8937	8.0144	0.4434	0.326566
Gm21839	chr5:135643954-135644336	6.4929	4.7286	-0.4574	0.224346
Gm16061	chr5:135698162-135699019	0.8857	0.5612	-0.6584	0.093078
Styx1l	chr5:135747219-135778385	0.4188	0.4458	0.0901	0.806185
Ssc4d	chr5:135960210-135974531	0.5450	0.5399	-0.0138	0.958982
Gm16599	chr5:136274995-136417894	1.8389	1.9214	0.0633	0.853674
NA	chr5:136345883-136350231	0.7122	0.9375	0.3965	0.045744
Myl10	chr5:136693145-136701094	1.6559	1.4659	-0.1758	0.644731
Ift22	chr5:136908149-136913244	1.6068	1.8184	0.1785	0.618663
4933404O12Rik	chr5:136919145-136937112	0.5966	0.4831	-0.3043	0.268288
Ufsp1	chr5:137294668-137295664	2.7025	2.8427	0.0730	0.744282
Epo	chr5:137482258-137533242	0.7180	0.8626	0.2647	0.565875
Gm17112	chr5:137532422-137540718	3.3912	3.4161	0.0106	0.968233
Irs3	chr5:137643031-137645714	0.2934	0.2652	-0.1458	0.705581
Gm15753	chr5:137720353-137721740	1.4081	1.4224	0.0145	0.949865
Pilra	chr5:137821951-137836268	1.1654	1.1011	-0.0818	0.692645
Mir25	chr5:138165320-138165404	15.6270	18.6421	0.2545	0.300981
Mir106b	chr5:138165736-138165818	7.0063	7.8355	0.1614	0.797378
Mblac1	chr5:138194313-138195621	1.1254	0.8544	-0.3975	0.154146
Stag3	chr5:138280239-138312393	0.2096	0.2211	0.0770	0.903581
Gm10874	chr5:138363718-138388287	0.2669	0.3923	0.5557	0.271075
Got2-ps1	chr5:138364172-138365580	0.4951	0.5973	0.2710	0.528404
Gm15497	chr5:138610738-138611289	4.0418	4.2077	0.0580	0.651777

<i>Prkar1b</i>	chr5:139017305-139150001	0.2426	0.3014	0.3131	0.382138
<i>3110082117Rik</i>	chr5:139359738-139460502	1.4056	1.3620	-0.0454	0.863639
<i>NA</i>	chr5:139378219-139379259	2.1749	1.4316	-0.6033	0.153274
<i>Gm26938</i>	chr5:139807977-139826407	4.2621	3.9861	-0.0966	0.635860
<i>Gm16121</i>	chr5:140101198-140107591	0.7767	0.9128	0.2329	0.271897
<i>Gm16120</i>	chr5:140207384-140210751	4.0850	4.3714	0.0978	0.709022
<i>Snx8</i>	chr5:140340303-140389251	0.7245	0.5595	-0.3727	0.140770
<i>Grifin</i>	chr5:140563118-140565071	3.0379	2.9881	-0.0238	0.936495
<i>D430018E03Rik</i>	chr5:142874076-142878373	0.1484	0.1999	0.4294	0.204406
<i>D130017N08Rik</i>	chr5:143758324-143767130	0.5582	0.6696	0.2626	0.165199
<i>Gm17135</i>	chr5:143922576-143980991	1.2016	1.1958	-0.0070	0.990398
<i>Rsph10b</i>	chr5:143933034-143985719	1.2559	1.3034	0.0536	0.705847
<i>Gm26925</i>	chr5:144110815-144111772	2.0350	1.6246	-0.3250	0.160002
<i>Gm15739</i>	chr5:146248550-146249422	1.2534	1.0600	-0.2418	0.472519
<i>Gm25091</i>	chr5:146834833-146834904	14.7062	12.7280	-0.2084	0.455209
<i>Gm23202</i>	chr5:146835143-146835272	19.2013	19.9161	0.0527	0.842540
<i>Flt3</i>	chr5:147330740-147400489	0.2783	0.6074	1.1260	0.036462
<i>5730422E09Rik</i>	chr5:149119564-149184063	0.9356	0.9813	0.0689	0.754196
<i>Alox5ap</i>	chr5:149265057-149288045	1.4176	2.1342	0.5902	0.313680
<i>Hsph1</i>	chr5:149614286-149636376	8.5447	6.2708	-0.4464	0.217432
<i>D730045B01Rik</i>	chr5:151368863-151369172	3.6218	3.8540	0.0897	0.761454
<i>Gm9835</i>	chr6:4893351-4893777	1.1267	0.6864	-0.7151	0.190259
<i>Pon3</i>	chr6:5220851-5256286	0.3430	0.3952	0.2043	0.740712
<i>1110019D14Rik</i>	chr6:13871525-14044373	0.7416	0.9865	0.4118	0.082510
<i>Gm26738</i>	chr6:17834584-17835185	1.6195	1.5438	-0.0691	0.871617
<i>Gm26809</i>	chr6:18844219-18847360	0.8543	1.0599	0.3112	0.262889
<i>Wnt16</i>	chr6:22288226-22298522	0.1276	0.2154	0.7555	0.085329
<i>Lrrc4</i>	chr6:28661830-28831747	0.4432	0.6708	0.5980	0.184360
<i>Fam71f2</i>	chr6:29279592-29290680	0.3511	0.3855	0.1351	0.867380
<i>Opn1sw</i>	chr6:29376670-29388468	0.4371	0.5355	0.2927	0.157646
<i>Gm9047</i>	chr6:29471436-29473465	1.2676	1.6741	0.4013	0.469351
<i>Gm25580</i>	chr6:30143800-30144127	2.3109	3.2473	0.4908	0.034107
<i>Mir29a</i>	chr6:31062659-31062747	8.9734	8.9515	-0.0035	0.991465
<i>Gm27019</i>	chr6:31063091-31063495	3.3240	4.4144	0.4093	0.307494
<i>Gm13834</i>	chr6:31087608-31087912	6.3515	7.4824	0.2364	0.398981
<i>Gm13835</i>	chr6:31141978-31142663	2.6034	2.7649	0.0868	0.641708
<i>Podxl</i>	chr6:31519487-31563981	0.4595	0.6330	0.4622	0.167470
<i>Gm13854</i>	chr6:33375110-33377446	0.5255	0.4218	-0.3170	0.512566
<i>2010107G12Rik</i>	chr6:34945277-34979054	0.1878	0.1407	-0.4160	0.487723
<i>Zc3hav1l</i>	chr6:38287395-38299259	0.5154	0.5378	0.0616	0.787750
<i>Gm15697</i>	chr6:38542302-38546074	0.4400	0.6529	0.5692	0.134415
<i>Tbxas1</i>	chr6:38875403-39084585	0.1478	0.1800	0.2845	0.426284
<i>Gm16272</i>	chr6:39584091-39592784	3.6388	3.9625	0.1229	0.653572
<i>Mrps33</i>	chr6:39801803-39810988	2.7660	2.1796	-0.3437	0.317580
<i>Trbv21</i>	chr6:41202754-41203044	4.9768	4.3417	-0.1970	0.500386
<i>Trbv23</i>	chr6:41216072-41216526	11.4602	10.4989	-0.1264	0.476227
<i>Trbv30</i>	chr6:41281375-41281990	10.0437	8.4916	-0.2422	0.370064
<i>Trbd2</i>	chr6:41542162-41542176	82.9707	110.2023	0.4095	0.363609
<i>Sva</i>	chr6:42038393-42042851	5.5775	0.0299	-7.5456	0.000055
<i>Clcn1</i>	chr6:42286684-42315756	0.1550	0.1972	0.3480	0.339878
<i>Arhgef5</i>	chr6:43265581-43289320	0.1426	0.1754	0.2983	0.202679
<i>A930035D04Rik</i>	chr6:47453775-47454320	1.1098	0.8979	-0.3057	0.580391
<i>Rny3</i>	chr6:47781623-47781725	41.3799	35.3671	-0.2265	0.552920
<i>Rny1</i>	chr6:47788068-47788180	20.9845	16.6938	-0.3300	0.461676
<i>Mir704</i>	chr6:47803575-47803652	32.7776	34.9988	0.0946	0.754722
<i>Zfp786</i>	chr6:47819265-47830867	0.2821	0.2172	-0.3767	0.429499
<i>Sspo</i>	chr6:48448228-48501250	0.0373	0.0717	0.9418	0.059455
<i>Gm7887</i>	chr6:48524371-48525105	0.6672	0.9898	0.5690	0.251454
<i>Rarres2</i>	chr6:48569697-48572670	2.7939	2.8485	0.0279	0.876409
<i>Repin1</i>	chr6:48593882-48599082	0.6891	0.9213	0.4189	0.158407
<i>A1854703</i>	chr6:48626763-48633689	0.8006	0.8106	0.0180	0.897237
<i>Tmem176b</i>	chr6:48833810-48841374	1.0822	1.7492	0.6927	0.030523
<i>Tmem176a</i>	chr6:48841482-48845364	1.4520	2.0877	0.5239	0.093197
<i>GpnmB</i>	chr6:49036517-49058182	0.6630	0.5654	-0.2298	0.620529
<i>Fam221a</i>	chr6:49367738-49389905	0.4392	0.5633	0.3591	0.366146
<i>5430402O13Rik</i>	chr6:50566642-50594865	2.3770	2.7217	0.1954	0.384429
<i>Hoxa2</i>	chr6:52162350-52165413	0.3159	0.2486	-0.3457	0.335517
<i>Hoxaas3</i>	chr6:52175216-52215076	0.1686	0.2998	0.8307	0.152403
<i>Gm15527</i>	chr6:54245741-54279076	0.2740	0.3930	0.5204	0.241935
<i>9130019P16Rik</i>	chr6:54269680-54430221	0.4157	0.4454	0.0996	0.716185
<i>Plekha8</i>	chr6:54595110-54645839	0.2520	0.4881	0.9540	0.207052

<i>Lsm5</i>	chr6:56701062-56704692	3.5753	3.6069	0.0127	0.934473
<i>Rps15-ps2</i>	chr6:58017489-58017975	2.5019	2.6713	0.0945	0.653368
<i>Nap1l5</i>	chr6:58905233-58907126	1.3259	1.4019	0.0804	0.681882
<i>Gm17147</i>	chr6:65128570-65129002	1.1845	1.0028	-0.2402	0.589024
<i>E230016M11Rik</i>	chr6:67036598-67080654	1.1246	1.1145	-0.0130	0.931389
<i>Thnsl2</i>	chr6:71128165-71144346	0.7976	0.7819	-0.0287	0.931291
<i>Cd8a</i>	chr6:71373426-71379171	0.3296	0.2028	-0.7005	0.118645
<i>Reep1</i>	chr6:71707560-71810710	0.8577	0.8354	-0.0381	0.873196
<i>St3gal5</i>	chr6:72097612-72154570	0.1830	0.3951	1.1103	0.193639
<i>Hk2</i>	chr6:82725024-82774454	0.2479	0.4001	0.6907	0.041575
<i>Gm15624</i>	chr6:83166151-83172733	1.6606	1.5899	-0.0628	0.767108
<i>Slc4a5</i>	chr6:83219827-83304945	0.1388	0.2902	1.0642	0.010067
<i>Actg2</i>	chr6:83512904-83536265	0.4450	0.6929	0.6389	0.449308
<i>Ankrd53</i>	chr6:83762643-83768326	0.6493	0.8840	0.4451	0.261632
<i>Npm3-ps1</i>	chr6:85076191-85076719	1.3874	1.2492	-0.1513	0.791512
<i>Sfxn5</i>	chr6:85213050-85333422	0.4569	0.5582	0.2890	0.150879
<i>Rab11fip5</i>	chr6:85334962-85374634	0.3444	0.5619	0.7062	0.205811
<i>Fbxo41</i>	chr6:85469573-85502994	0.3321	0.4232	0.3495	0.214476
<i>A430078I02Rik</i>	chr6:86470804-86480830	1.0382	1.1656	0.1670	0.421545
<i>Anxa4</i>	chr6:86736839-86793584	0.5657	0.8966	0.6645	0.131382
<i>Gm5577</i>	chr6:87980882-88005471	0.9475	1.2675	0.4198	0.030359
<i>Podxl2</i>	chr6:88842557-88875044	0.1277	0.1293	0.0184	0.979103
<i>Gm15612</i>	chr6:88842853-88847274	0.4453	0.4697	0.0770	0.798345
<i>Gm26811</i>	chr6:89304629-89327621	0.3146	0.2393	-0.3950	0.068203
<i>Chchd6</i>	chr6:89383145-89595652	0.7794	0.9426	0.2742	0.294304
<i>Gm20426</i>	chr6:90231727-90232788	3.1216	3.4440	0.1418	0.402827
<i>Hdac11</i>	chr6:91156664-91174692	0.7036	0.7951	0.1764	0.475154
<i>Mitf</i>	chr6:97807057-98021349	0.3374	0.3588	0.0884	0.782359
<i>Tpt1-ps3</i>	chr6:99877746-99878433	1.7595	2.2754	0.3710	0.251483
<i>Chl1</i>	chr6:103510875-103733035	0.1356	0.1632	0.2677	0.460474
<i>Gm4604</i>	chr6:108140119-108140509	9.7220	8.6335	-0.1713	0.710757
<i>Gm16433</i>	chr6:108563444-108565693	0.9425	1.1401	0.2746	0.190815
<i>Gm15519</i>	chr6:112563641-112565207	1.1539	0.7454	-0.6305	0.038714
<i>Gm5578</i>	chr6:112605543-112606779	1.0426	0.8967	-0.2176	0.465857
<i>Srgap3</i>	chr6:112717970-112947266	0.0289	0.0532	0.8796	0.365521
<i>Gm16161</i>	chr6:113275836-113276930	4.3586	4.2831	-0.0252	0.909287
<i>Il17rc</i>	chr6:113471426-113483140	0.2096	0.2251	0.1028	0.831723
<i>Prrt3</i>	chr6:113494094-113501818	0.3930	0.4078	0.0530	0.901914
<i>Ghrl</i>	chr6:113716118-113719880	5.8578	6.2571	0.0951	0.597855
<i>Gm14335</i>	chr6:115638249-115639059	2.8923	2.9550	0.0309	0.903755
<i>Ift122</i>	chr6:115853469-115926699	0.3516	0.4262	0.2773	0.384909
<i>Gm20404</i>	chr6:116107650-116127493	1.4171	1.5589	0.1376	0.668003
<i>Zfand4</i>	chr6:116264221-116330298	0.3769	0.2674	-0.4953	0.409848
<i>March8</i>	chr6:116338023-116409540	0.1224	0.1355	0.1472	0.646647
<i>Rassf4</i>	chr6:116633007-116673836	0.1678	0.3370	1.0061	0.008049
<i>Fxyd4</i>	chr6:117933728-117937335	1.0034	1.2450	0.3113	0.307694
<i>Gm4875</i>	chr6:117997206-117997992	0.8155	0.7665	-0.0894	0.831397
<i>Rasgef1a</i>	chr6:118066384-118091546	0.9116	1.1411	0.3240	0.446062
<i>Ret</i>	chr6:118151747-118197744	0.0676	0.0374	-0.8544	0.353198
<i>Zfp248</i>	chr6:118427318-118455528	0.6126	0.6079	-0.0112	0.957625
<i>Lrtm2</i>	chr6:119315132-119330766	0.1298	0.1523	0.2300	0.755673
<i>Wnt5b</i>	chr6:119432530-119544347	1.0535	0.5705	-0.8850	0.033557
<i>Cecr6</i>	chr6:120488938-120493807	0.3870	0.5683	0.5544	0.038924
<i>Gm24391</i>	chr6:120524896-120524998	4.0272	8.2017	1.0261	0.108726
<i>Cecr2</i>	chr6:120666368-120771190	0.0708	0.1052	0.5721	0.271150
<i>Tuba8</i>	chr6:121210733-121226854	0.2339	0.3599	0.6218	0.271049
<i>Klrg1</i>	chr6:122270595-122282882	0.3242	0.6967	1.1036	0.106122
<i>C3ar1</i>	chr6:122847137-122856161	0.1517	0.1294	-0.2294	0.604131
<i>Cd163</i>	chr6:124304650-124330527	0.5880	0.6103	0.0535	0.862963
<i>Eno2</i>	chr6:124760052-124769673	0.5375	0.5118	-0.0708	0.761834
<i>Spsb2</i>	chr6:124808660-124810619	1.6698	1.5043	-0.1505	0.450013
<i>Gpr162</i>	chr6:124858443-124863917	0.2914	0.2733	-0.0927	0.816644
<i>A230083G16Rik</i>	chr6:124916862-124925844	0.6815	0.6724	-0.0193	0.943701
<i>Piamp</i>	chr6:124996693-125003096	0.2646	0.3159	0.2559	0.650470
<i>Gm23751</i>	chr6:125121723-125121859	8.5774	9.3196	0.1197	0.557022
<i>Plekhg6</i>	chr6:125362659-125380793	0.3969	0.3788	-0.0674	0.862947
<i>NA</i>	chr6:125494423-125509135	1.1053	1.2418	0.1681	0.332120
<i>Rad51ap1</i>	chr6:126923049-126939587	0.5785	0.7634	0.4001	0.381267
<i>Gm26845</i>	chr6:127108388-127110467	0.7730	0.7614	-0.0219	0.909170
<i>9330179D12Rik</i>	chr6:127149388-127212411	1.6864	2.0329	0.2696	0.226109
<i>Foxm1</i>	chr6:128362966-128375893	0.5553	0.8953	0.6891	0.084146

<i>Klrb1c</i>	chr6:128778484-128789215	0.7065	1.1391	0.6892	0.236071
<i>Gm26656</i>	chr6:128843785-128846959	1.1039	1.4407	0.3842	0.212986
<i>BC064078</i>	chr6:128992960-129008040	0.5940	0.9481	0.6744	0.155401
<i>Klrb1f</i>	chr6:129045900-129057471	0.4212	0.5757	0.4507	0.382955
<i>Klrk1</i>	chr6:129610322-129623864	0.8307	0.7404	-0.1659	0.636104
<i>Gm17089</i>	chr6:134233157-134243711	1.0757	1.8506	0.7827	0.073517
<i>Bcl2l14</i>	chr6:134396317-134438736	0.3353	0.4676	0.4796	0.202074
<i>Mansc1</i>	chr6:134609209-134632488	1.3315	1.2060	-0.1429	0.421329
<i>Emp1</i>	chr6:135362930-135383173	1.0443	1.3041	0.3206	0.687471
<i>B230216G23Rik</i>	chr6:142413440-142419730	0.5149	0.5900	0.1966	0.555986
<i>Bcat1</i>	chr6:144993834-145076184	0.1098	0.1648	0.5855	0.047797
<i>Gm15706</i>	chr6:145250528-145251849	3.0697	4.3767	0.5117	0.014370
<i>Gm15720</i>	chr6:146463325-146463607	6.8461	4.8555	-0.4957	0.043712
<i>Gm6654</i>	chr6:146647240-146647588	1.9366	1.5084	-0.3605	0.148057
<i>Mansc4</i>	chr6:147075059-147087032	0.4162	0.5749	0.4660	0.291140
<i>Gm6288</i>	chr6:147442801-147476046	0.8464	0.4720	-0.8426	0.003653
<i>Bicd1</i>	chr6:149408983-149563329	0.0357	0.0817	1.1917	0.141476
<i>Myadm</i>	chr7:3289037-3299345	0.1958	0.5717	1.5459	0.000076
<i>Gm15929</i>	chr7:3666251-3670278	2.2702	2.4573	0.1142	0.392708
<i>Pirb</i>	chr7:3711408-3720391	0.3294	0.6439	0.9671	0.009054
<i>Gm7363</i>	chr7:3983786-3984187	2.3203	1.8204	-0.3501	0.312622
<i>Ttyh1</i>	chr7:4119407-4136706	0.4359	0.5411	0.3119	0.220497
<i>Gm15494</i>	chr7:4445696-4471249	2.9934	1.4072	-1.0890	0.189105
<i>Gm15494</i>	chr7:4446445-4471285	2.4157	1.2848	-0.9109	0.202169
<i>Tntt1</i>	chr7:4504569-4516382	1.7496	1.3857	-0.3365	0.189558
<i>Dnaaf3</i>	chr7:4522932-4532453	0.2243	0.3185	0.5060	0.116574
<i>Tmem238</i>	chr7:4784594-4789656	1.8479	1.2052	-0.6166	0.015070
<i>Nat14</i>	chr7:4922250-4925006	0.8384	0.7670	-0.1285	0.707262
<i>Zfp580</i>	chr7:5051531-5053722	1.1479	0.8640	-0.4099	0.153220
<i>Ccdc106</i>	chr7:5056151-5060785	0.7093	0.5374	-0.4006	0.315749
<i>Gm6792</i>	chr7:6252709-6282066	0.6949	0.4921	-0.412880	0.412880
<i>Zfp583</i>	chr7:6315659-6331285	0.6018	0.5967	-0.0123	0.949626
<i>Vmn2r29</i>	chr7:7231326-7278289	0.3407	0.3419	0.0050	0.986256
<i>Zscan18</i>	chr7:12768091-12775658	1.0240	1.1816	0.2066	0.184636
<i>Z310014L17Rik</i>	chr7:12927415-12931072	0.6243	0.6536	0.0661	0.713016
<i>1810019N24Rik</i>	chr7:12948591-12961768	0.5445	0.7209	0.4049	0.223464
<i>Mzf1</i>	chr7:13042302-13054764	0.4708	0.4846	0.0416	0.792219
<i>Npas1</i>	chr7:16455720-16476780	0.5740	0.4118	-0.4791	0.146187
<i>Pglyrp1</i>	chr7:18884689-18890438	4.5766	5.6849	0.3129	0.442335
<i>Six5</i>	chr7:19094593-19098549	0.2415	0.2408	-0.0039	0.988431
<i>Fosb</i>	chr7:19302720-19310045	0.4630	0.5047	0.1243	0.756958
<i>Mir343</i>	chr7:19386642-19386717	29.6641	20.2810	-0.5486	0.000830
<i>A930016O22Rik</i>	chr7:19418811-19421417	0.5383	0.5991	0.1544	0.609829
<i>Zfp296</i>	chr7:19577286-19580656	0.5958	0.4272	-0.4798	0.270906
<i>Gm16175</i>	chr7:19809608-19811872	6.0931	7.6150	0.3217	0.240956
<i>Gm16174</i>	chr7:19816552-19818625	5.0407	5.8792	0.2220	0.592106
<i>Gm16184</i>	chr7:19911824-19912397	4.8833	5.3328	0.1270	0.627170
<i>Zfp112</i>	chr7:24112313-24127952	0.8092	0.8746	0.1122	0.588905
<i>Zfp108</i>	chr7:24257643-24261914	0.6458	0.6944	0.1048	0.704684
<i>Zfp93</i>	chr7:24270419-24276827	1.5076	1.4615	-0.0449	0.828723
<i>Irgc1</i>	chr7:24431921-24435534	1.0100	0.9764	-0.0488	0.891523
<i>Plaur</i>	chr7:24462499-24475873	1.5583	1.6971	0.1231	0.586273
<i>Zfp428</i>	chr7:24507005-24515682	0.8737	0.7025	-0.3146	0.414275
<i>Cd177</i>	chr7:24743984-24760311	0.4055	0.4522	0.1573	0.658104
<i>Atp1a3</i>	chr7:24978166-25005957	0.2298	0.2764	0.2668	0.663742
<i>4732471J01Rik</i>	chr7:25384804-25385573	8.4674	9.2432	0.1265	0.439635
<i>Gm15495</i>	chr7:25442151-25443463	0.4914	0.6040	0.2977	0.481600
<i>B3gnt8</i>	chr7:25627623-25629490	0.6913	0.6712	-0.0426	0.887473
<i>Gm26707</i>	chr7:25816653-25820654	0.2704	0.2022	-0.4196	0.352367
<i>Cyp2t4</i>	chr7:27153713-27158668	2.1005	2.0764	-0.0166	0.944556
<i>Mir3101</i>	chr7:27176005-27176093	24.7153	26.3834	0.0942	0.546173
<i>Sptbn4</i>	chr7:27356382-27447686	0.1273	0.0960	-0.4073	0.663235
<i>Prx</i>	chr7:27499323-27520214	0.3562	0.5031	0.4979	0.135973
<i>NA</i>	chr7:27984855-27985796	3.2923	2.8339	-0.2163	0.061469
<i>Fbl</i>	chr7:28169747-28179269	2.5149	2.9342	0.2225	0.396868
<i>Eid2</i>	chr7:28267880-28269165	1.7745	1.7392	-0.0290	0.936573
<i>Rps16</i>	chr7:28350651-28352696	2.3059	3.7713	0.7097	0.003548
<i>AF357399</i>	chr7:28351507-28351632	5.9906	7.9094	0.4009	0.262176
<i>Lrfn1</i>	chr7:28458657-28467483	0.2492	0.3258	0.3867	0.052935
<i>Fbxo27</i>	chr7:28692848-28699338	0.6991	0.7435	0.0888	0.728783
<i>Lgals7</i>	chr7:28863852-28866284	0.6723	0.6140	-0.1308	0.855855

<i>Ryr1</i>	chr7:29003339-29125151	0.0727	0.0845	0.2161	0.497385
<i>Ggn</i>	chr7:29170219-29173933	0.5010	0.6505	0.3768	0.085361
<i>Catsperg1</i>	chr7:29181320-29214035	0.0580	0.0579	-0.0024	0.995659
<i>Kcnk6</i>	chr7:29221927-29232522	0.4337	0.7390	0.7689	0.162712
<i>C230062116Rik</i>	chr7:29953620-29955992	1.2812	1.2764	-0.0054	0.972225
<i>Gm10169</i>	chr7:29965099-29965640	1.8884	1.2893	-0.5506	0.097279
<i>Gm5113</i>	chr7:30169874-30180209	1.0619	1.2142	0.1934	0.476683
<i>Wdr62</i>	chr7:30240137-30280419	0.6759	0.6805	0.0099	0.950192
<i>Clip3</i>	chr7:30291671-30308367	0.1195	0.1429	0.2577	0.739956
<i>Gm24757</i>	chr7:30311524-30311895	7.9021	9.6367	0.2863	0.309133
<i>Syne4</i>	chr7:30314806-30319046	0.5218	0.5873	0.1706	0.475019
<i>Aplp1</i>	chr7:30434980-30445582	0.6468	1.1770	0.8637	0.156906
<i>Arhgap33</i>	chr7:30522225-30534180	0.1612	0.2597	0.6884	0.171887
<i>Psenen</i>	chr7:30561867-30563184	3.6200	3.4463	-0.0709	0.718255
<i>Upk1a</i>	chr7:30603091-30612734	0.4757	0.2783	-0.7736	0.136663
<i>Gm26610</i>	chr7:30650384-30652711	1.2067	1.3615	0.1741	0.450789
<i>Atp4a</i>	chr7:30712208-30725535	0.2527	0.1534	-0.7206	0.045670
<i>Sbsn</i>	chr7:30734738-30756134	0.9963	1.0355	0.0558	0.800757
<i>Gm26935</i>	chr7:30737652-30748437	1.7758	1.6316	-0.1221	0.801139
<i>Ffar2</i>	chr7:30818356-30823775	0.5358	1.1359	1.0840	0.101973
<i>Gm12774</i>	chr7:34383658-34384074	6.5808	6.5650	-0.0035	0.987963
<i>Rhpn2</i>	chr7:35334174-35392285	0.5310	0.5921	0.1569	0.553827
<i>E130304102Rik</i>	chr7:35802592-35803027	4.2751	3.0011	-0.5105	0.014710
<i>Gm20449</i>	chr7:41399377-41499417	0.1671	0.1734	0.0530	0.926664
<i>Gm15470</i>	chr7:41490350-41491721	2.1348	2.0812	-0.0366	0.615822
<i>9830147E19Rik</i>	chr7:42609525-42642588	0.1595	0.1948	0.2880	0.471704
<i>Gm5595</i>	chr7:42660104-42692718	0.4463	0.4694	0.0728	0.874357
<i>Siglecg</i>	chr7:43408203-43418358	0.2047	0.4273	1.0617	0.037990
<i>Vsig10l</i>	chr7:43463150-43471913	0.1901	0.3145	0.7262	0.172589
<i>2310002F09Rik</i>	chr7:43695208-43797945	0.4181	0.6012	0.5239	0.223738
<i>Klk9</i>	chr7:43791890-43796756	0.7349	0.9680	0.3974	0.452213
<i>Gm26247</i>	chr7:44248089-44248180	39.9454	39.8401	-0.0038	0.970464
<i>Snord88c</i>	chr7:44249851-44249941	8.5545	8.8039	0.0415	0.947711
<i>Gm23991</i>	chr7:44250449-44250542	24.1673	27.0116	0.1605	0.370594
<i>Clec11a</i>	chr7:44303769-44306959	1.2182	1.3250	0.1212	0.591660
<i>Fam71e1</i>	chr7:44496587-44501134	1.6910	1.6960	0.0042	0.991178
<i>Napsa</i>	chr7:44572431-44586862	0.6707	1.7201	1.3586	0.013554
<i>Zfp473</i>	chr7:44731480-44751050	0.1691	0.1624	-0.0582	0.836035
<i>Rras</i>	chr7:45017977-45021646	1.8284	2.6894	0.5567	0.028543
<i>Prrg2</i>	chr7:45053612-45062677	1.0844	0.9173	-0.2414	0.150263
<i>Mir150</i>	chr7:45121756-45121821	14.9798	15.3781	0.0379	0.947702
<i>Snord35a</i>	chr7:45126345-45126435	25.5041	29.5763	0.2137	0.399268
<i>Snord33</i>	chr7:45126863-45126947	24.0734	31.8208	0.4025	0.032735
<i>Dkk1l</i>	chr7:45207524-45211883	1.0561	1.1585	0.1334	0.859252
<i>Gm22478</i>	chr7:45388530-45388684	10.8830	10.7788	-0.0139	0.946152
<i>Lhb</i>	chr7:45418352-45421854	0.2783	0.3335	0.2606	0.438651
<i>Dhdh</i>	chr7:45472955-45488805	0.3314	0.4194	0.3401	0.493219
<i>Tulp2</i>	chr7:45486261-45523632	0.2510	0.5701	1.1835	0.110504
<i>0610005C13Rik</i>	chr7:45567794-45575327	0.3011	0.4198	0.4794	0.107485
<i>Sec1</i>	chr7:45677688-45694402	0.3713	0.1645	-1.1741	0.023984
<i>Car11</i>	chr7:45699842-45704682	0.4889	0.6250	0.3544	0.239626
<i>Fam83e</i>	chr7:45721211-45729492	0.7034	0.5680	-0.3084	0.425911
<i>Lmtk3</i>	chr7:45783737-45804144	0.1060	0.0968	-0.1313	0.797706
<i>Ccdc114</i>	chr7:45924071-45948956	0.4601	0.5012	0.1233	0.502584
<i>Kcnc1</i>	chr7:46396496-46438375	0.2708	0.1715	-0.6586	0.154234
<i>Tmem86a</i>	chr7:47050639-47054776	1.1614	1.2032	0.0510	0.868531
<i>Ptpn5</i>	chr7:47077797-47133684	0.2749	0.6949	1.3380	0.230341
<i>E2f8</i>	chr7:48866428-48881596	0.2312	0.3412	0.5616	0.325149
<i>A230056P14Rik</i>	chr7:55962530-55980868	0.3086	0.2408	-0.3582	0.348744
<i>Nipa1</i>	chr7:55977566-56019954	0.2040	0.2283	0.1618	0.747003
<i>Gm6226</i>	chr7:58836792-58837938	0.6214	0.4684	-0.4077	0.475208
<i>Trpm1</i>	chr7:64153834-64269775	0.2734	0.2036	-0.4249	0.241932
<i>Gm20457</i>	chr7:64337549-64345964	5.7732	5.5443	-0.0584	0.765985
<i>Lrrk1</i>	chr7:66226911-66388350	0.1508	0.2751	0.8670	0.062482
<i>Adamts17</i>	chr7:66839734-67152625	0.1389	0.1266	-0.1341	0.657607
<i>1700112J16Rik</i>	chr7:67204081-67222458	0.1134	0.0483	-1.2320	0.368014
<i>Ttc23</i>	chr7:67647409-67726576	0.3268	0.3301	0.0145	0.947484
<i>Pgpep1l</i>	chr7:68236607-68264233	2.9730	2.6985	-0.1398	0.566568
<i>Arrdc4</i>	chr7:68737044-68749241	0.4035	0.6570	0.7035	0.055626
<i>Rpl17-ps10</i>	chr7:72648756-72649311	1.1446	1.3079	0.1924	0.666722
<i>Kansl2-ps</i>	chr7:72672817-72674278	0.5804	0.5802	-0.0005	0.998871

Gm9885	chr7:78578829-78581034	0.0974	0.2226	1.1926	0.263614
Ticrr	chr7:79660195-79698134	0.1577	0.3203	1.0224	0.017831
Kif7	chr7:79698098-79714186	0.8625	0.8564	-0.0103	0.962961
9330171B17Rik	chr7:79710370-79712357	0.6721	0.5955	-0.1747	0.640132
Pex11a	chr7:79735956-79743131	0.3151	0.4996	0.6650	0.110181
Gm26646	chr7:79916951-79920606	2.5038	2.4235	-0.0470	0.847380
5430400D12Rik	chr7:79920754-79922521	0.4390	0.5756	0.3909	0.321616
Hddc3	chr7:80343136-80346097	4.4710	4.6246	0.0487	0.692371
Fes	chr7:80377757-80387946	0.4780	0.9628	1.0103	0.057722
Gm15880	chr7:80636016-80644384	0.8338	0.9407	0.1740	0.579932
Gm16171	chr7:80907824-80908148	3.8805	5.9454	0.6155	0.209320
Alpk3	chr7:81057599-81105612	0.2520	0.3416	0.4385	0.260551
Mir1839	chr7:81529854-81529981	15.0348	12.9545	-0.2148	0.482121
Sh3gl3	chr7:82173839-82307419	0.4487	0.7351	0.7121	0.329116
4933406J10Rik	chr7:82743367-82755644	0.6850	1.1430	0.7386	0.103621
A53002J07Rik	chr7:83148643-83155922	8.1485	10.7264	0.3966	0.130851
Arnt2	chr7:84246280-84409959	0.1534	0.4938	1.6870	0.191704
Fah	chr7:84585158-84606722	1.3265	1.1548	-0.2001	0.493246
2610206C17Rik	chr7:84689639-84776549	0.6223	0.5203	-0.2583	0.312006
Ankrd42	chr7:92581722-92637142	0.2507	0.2984	0.2511	0.426509
C230038L03Rik	chr7:96947577-96951886	0.6754	0.5527	-0.2891	0.164307
Gab2	chr7:97081750-97308940	0.1310	0.2081	0.6684	0.131255
Kctd21	chr7:97332326-97350213	1.1602	1.4398	0.3115	0.060564
Rsf1os1	chr7:97598348-97645112	3.3781	3.6335	0.1052	0.859532
Gm9990	chr7:97720838-97722924	1.0662	1.3752	0.3672	0.222752
Aqp11	chr7:97726378-97738247	1.2137	1.3180	0.1189	0.700298
Capn5	chr7:98121558-98178274	0.3300	0.3474	0.0743	0.766380
Gm16938	chr7:98177193-98185597	0.2507	0.2711	0.1132	0.705090
Lrrc32	chr7:98494221-98501831	0.1917	0.4487	1.2268	0.193467
Gm15506	chr7:98682335-98702928	0.9821	0.9567	-0.0377	0.827598
Map6	chr7:99267446-99337137	0.2172	0.5358	1.3024	0.088854
Gm4980	chr7:99624066-99627103	0.1960	0.2331	0.2502	0.614595
Xrra1	chr7:99859217-99917824	0.8170	0.8209	0.0070	0.981614
Lipt2	chr7:100159276-100161365	1.3507	1.6365	0.2769	0.272918
NA	chr7:100545755-100547620	0.7929	0.8546	0.1082	0.638856
Gm15673	chr7:101238340-101239278	1.4996	1.7913	0.2565	0.363046
Gm7027	chr7:101573459-101574321	1.4949	1.6001	0.0981	0.824369
Art5	chr7:102096878-102102845	0.7579	0.8165	0.1075	0.449417
Gm24846	chr7:104264682-104264790	16.7415	23.8127	0.5083	0.121052
Gm15133	chr7:104315018-104324838	2.9344	4.2888	0.5475	0.014520
Trim30b	chr7:104355381-104369884	0.2428	0.4280	0.8179	0.018107
Gm16464	chr7:104501054-104502149	1.5348	2.1574	0.4912	0.249214
Gm5901	chr7:105375097-105378287	2.0122	1.8150	-0.1488	0.557788
Apbb1	chr7:105558485-105574402	0.6920	0.7805	0.1736	0.709329
Ppfbp2	chr7:107595050-107748582	0.1167	0.1164	-0.0037	0.992900
Gm24888	chr7:109521279-109521409	14.5119	9.0626	-0.6792	0.107007
Ascl3	chr7:109727464-109731732	1.1661	0.9713	-0.2637	0.176226
Wee1	chr7:110122349-110142112	0.8059	0.9913	0.2988	0.406650
NA	chr7:110766676-110769345	0.9420	1.0024	0.0897	0.568876
Mical2	chr7:112225855-112355194	0.1463	0.1560	0.0928	0.813135
Cyp2r1	chr7:114550165-114562972	1.1280	1.9211	0.7683	0.066504
Gm15500	chr7:114705215-114706235	1.2516	1.0711	-0.2246	0.431880
Snord14a	chr7:116333170-116333257	29.0860	33.4720	0.2026	0.394457
Gm25683	chr7:118153479-118153610	6.2036	6.4770	0.0622	0.788649
lqck	chr7:118855759-118972652	0.6766	0.6273	-0.1091	0.640869
Acsm4	chr7:119690025-119714567	0.2718	0.3245	0.2558	0.667903
NA	chr7:119739925-119742226	0.9422	1.1607	0.3008	0.342361
Pdzd9	chr7:120659295-120670343	1.4822	2.0517	0.4691	0.015196
Gm15774	chr7:120872691-120875298	0.5985	0.6433	0.1042	0.718394
4933427G17Rik	chr7:120982508-121014787	0.4107	0.4579	0.1568	0.605247
Gm15489	chr7:122139007-122159401	1.3750	1.5940	0.2132	0.046252
Plk1	chr7:122159436-122169875	1.1965	1.4098	0.2366	0.296023
Gm17136	chr7:126176123-126176534	2.0230	2.7835	0.4604	0.150523
Cd19	chr7:126408449-126414870	0.2497	0.3623	0.5370	0.515413
Atp2a1	chr7:126445857-126463108	1.0230	1.2133	0.2461	0.392366
Sult1a1	chr7:126672864-126676432	2.7949	2.3113	-0.2741	0.405165
Gm6939	chr7:126687458-126690034	2.2085	2.7721	0.3279	0.129961
Gdpd3	chr7:126766413-126775643	2.1016	2.5943	0.3039	0.169681
Gm20650	chr7:126891621-126897236	16.9847	17.8144	0.0688	0.770438
Gm21984	chr7:126942094-126952873	2.5407	2.9106	0.1961	0.495566
Asphd1	chr7:126945566-126949582	0.5833	0.6037	0.0495	0.907094

Sez6l2	chr7:126950562-126970606	1.0043	0.8579	-0.2273	0.068368
NA	chr7:127524696-127524965	2.9856	3.0659	0.0383	0.869003
Mir762	chr7:127708486-127708562	19.3506	10.3499	-0.9028	0.023533
Prss8	chr7:127925724-127930113	1.3703	1.1271	-0.2818	0.335150
Prss36	chr7:127932637-127946725	0.5033	0.4168	-0.2722	0.478930
ltgad	chr7:128154375-128223816	0.1875	0.2363	0.3339	0.596384
Tgfb1i1	chr7:128246811-128253712	0.4093	0.4299	0.0710	0.882926
Gm15503	chr7:128410419-128412341	3.1978	4.0343	0.3352	0.314079
Bag3	chr7:128523582-128546977	1.1177	1.6441	0.5567	0.112276
Gm16044	chr7:128692688-128693138	7.0196	7.1470	0.0259	0.914393
Btbd16	chr7:130774068-130825897	0.1810	0.2082	0.2018	0.618308
Lhpp	chr7:132610637-132706420	1.6247	1.3541	-0.2628	0.173552
2510016G02Rik	chr7:132889488-132931375	2.0975	1.7496	-0.2617	0.093214
Gm15718	chr7:132979581-132983552	2.9051	3.6730	0.3384	0.269614
Ctbp2	chr7:132987562-133124354	0.3415	0.3958	0.2132	0.417618
Mmp21	chr7:133674269-133680061	0.5713	0.4696	-0.2826	0.217765
Mgmt	chr7:136894610-137128187	0.6924	0.2260	-1.6153	0.051782
Bnip3	chr7:138890835-138909519	1.0924	1.1736	0.1034	0.755405
Stk32c	chr7:139103637-139213307	0.3423	0.6836	0.9978	0.275254
Lrrc27	chr7:139212987-139242979	0.9957	0.8745	-0.1873	0.345843
Pwwp2b	chr7:139248481-139267253	0.3855	0.3951	0.0357	0.935527
Nkx6-2	chr7:139579376-139582797	0.5662	0.4429	-0.3542	0.169968
Gm2044	chr7:139957004-139958039	1.2206	1.2369	0.0191	0.950925
Fuom	chr7:140096769-140102441	1.2647	1.1138	-0.1834	0.115327
Paox	chr7:140125656-140134334	1.4222	1.4797	0.0572	0.695317
Gm15542	chr7:140890886-140892080	2.3940	1.8381	-0.3812	0.092502
lfitm6	chr7:141015811-141016892	1.2727	1.9187	0.5923	0.477232
Snora52	chr7:141448802-141448939	27.3884	24.0175	-0.1895	0.254467
Gm10575	chr7:141461480-141467771	0.2187	0.2647	0.2753	0.626700
Muc6	chr7:141633971-141655319	0.1221	0.1429	0.2263	0.617568
Muc5b	chr7:141839071-141873085	0.0399	0.0727	0.8663	0.177847
Brsk2	chr7:141949750-142004247	0.5222	0.6520	0.3203	0.452613
lfitm10	chr7:142325836-142373753	0.5560	0.7680	0.4661	0.107020
Tnnt3	chr7:142498835-142516009	2.1921	2.6615	0.2799	0.175995
Ascl2	chr7:142966821-142969264	0.3469	0.8770	1.3379	0.275726
Trpm5	chr7:143069152-143094642	0.2208	0.1716	-0.3635	0.072182
Cdkn1c	chr7:143458349-143461050	0.5449	0.4488	-0.2801	0.308208
Gm23297	chr7:143531393-143531520	12.3105	12.6908	0.0439	0.901992
Tnfrsf23	chr7:143665808-143685872	0.2764	0.2848	0.0433	0.919844
Mrqpre	chr7:143778364-143784500	0.2409	0.5809	1.2697	0.123332
Cttn	chr7:144435732-144471009	0.4334	0.6408	0.5639	0.263994
Camsap3	chr8:3587449-3609074	0.3625	0.4578	0.3370	0.208130
Gm22204	chr8:3615528-3615855	7.5347	8.2143	0.1246	0.677402
Pcp2	chr8:3623370-3625545	1.8829	1.8572	-0.0198	0.935939
Mcemp1	chr8:3665761-3668905	0.5220	0.6253	0.2605	0.639605
Fcer2a	chr8:3681736-3694174	0.6667	0.9493	0.5098	0.287649
Cd209a	chr8:3743394-3748984	0.8538	1.3430	0.6534	0.410822
4932443L11Rik	chr8:4162521-4206882	1.0386	0.9834	-0.0788	0.691414
NA	chr8:4325226-4348790	2.1017	2.2580	0.1034	0.469903
Gm7461	chr8:4677538-4678365	0.8998	0.7190	-0.3237	0.589460
Shcbp1	chr8:4735979-4779534	0.7227	1.1570	0.6788	0.242716
Gm1840	chr8:5639583-5640996	1.9207	1.9444	0.0177	0.955173
Efnb2	chr8:8617433-8660773	0.1433	0.2494	0.7996	0.152004
4921522P10Rik	chr8:8661800-8664728	0.9965	0.9351	-0.0917	0.701802
9530052E02Rik	chr8:11007849-11054541	0.5597	0.8801	0.6530	0.365848
E230013L22Rik	chr8:11477928-11480241	1.5264	1.5173	-0.0086	0.969629
4931415C17Rik	chr8:12672185-12679229	0.3557	0.4547	0.3545	0.127163
Gm15350	chr8:12828334-12833865	4.6746	5.0020	0.0977	0.631235
Gm15347	chr8:12860357-12877344	3.7545	3.9755	0.0825	0.869304
Gm17023	chr8:13076076-13082740	7.2731	7.6910	0.0806	0.721533
Gm17022	chr8:13086508-13087430	3.4327	3.3855	-0.0200	0.917732
Grtp1	chr8:13176868-13200624	0.5094	0.7627	0.5824	0.423840
Gm16725	chr8:18652800-18678056	0.5065	0.5390	0.0899	0.877710
Xkr5	chr8:18932728-18950975	0.1188	0.1068	-0.1534	0.815088
Gm26853	chr8:19789797-19798548	0.2718	0.3258	0.2614	0.273910
Gm21769	chr8:20122364-20126624	0.7108	0.8216	0.2091	0.358810
2610005L07Rik	chr8:20267773-20424814	0.2867	0.3062	0.0951	0.705822
Gm26804	chr8:20292476-20420781	1.0361	1.2642	0.2871	0.238099
Gm21182	chr8:20556694-20557333	1.9324	1.1413	-0.7596	0.025735
Ckap2	chr8:22168151-22185819	1.0994	1.2576	0.1940	0.636160
Thsd1	chr8:22227312-22261334	0.3837	0.3469	-0.1452	0.487681

Gm26909	chr8:22644860-22646286	2.2895	3.6461	0.6713	0.051317
Gm15346	chr8:22686264-22695646	1.7828	2.4036	0.4310	0.419618
Plat	chr8:22757743-22782847	1.1735	0.7773	-0.5943	0.008116
Gm23184	chr8:25610427-25610558	4.7819	3.1989	-0.5800	0.422808
Gm23094	chr8:25678949-25679271	3.8603	3.9131	0.0196	0.950563
1700047A11Rik	chr8:26082608-26102694	3.6249	4.6493	0.3590	0.120863
Zfp703	chr8:26977335-26981461	0.6057	0.7524	0.3131	0.173795
Proscos	chr8:27042376-27043042	0.9753	1.1836	0.2793	0.466485
Gpr124	chr8:27085582-27123436	0.5182	0.5619	0.1169	0.500323
Eij4ebp1	chr8:27260326-27275656	3.8797	3.8677	-0.0044	0.986048
Fut10	chr8:31187330-31261738	0.1477	0.1998	0.4356	0.226826
Purg	chr8:33386324-33417468	1.1007	1.2822	0.2202	0.126820
Tex15	chr8:33516737-33585582	0.1471	0.2036	0.4690	0.412598
Gm24727	chr8:33691800-33691944	12.9235	12.3783	-0.0622	0.888778
Rbpms	chr8:33782642-33929863	0.8138	0.7305	-0.1558	0.360011
Mboat4	chr8:34115029-34125185	1.2708	1.1668	-0.1232	0.692261
Lonrf1	chr8:36216063-36249516	0.4076	0.4387	0.1060	0.572912
A1429214	chr8:36993574-36995531	0.3643	0.2840	-0.3596	0.188807
Gm16205	chr8:37787665-37788692	0.5549	0.4075	-0.4454	0.079978
Fgf20	chr8:40279165-40308331	0.4985	0.2829	-0.8175	0.162317
Lrp2bp	chr8:45999302-46029477	0.5142	0.6000	0.2226	0.254238
Wwc2	chr8:47826082-47990543	0.0926	0.0795	-0.2192	0.492072
Gm9892	chr8:52195779-52197160	0.8032	1.3097	0.7054	0.037814
Neil3	chr8:53586866-53639065	0.2763	0.5660	1.0347	0.042096
Sap30	chr8:57482706-57487860	2.7536	2.7234	-0.0159	0.938437
2500002B13Rik	chr8:57488053-57508877	0.3492	0.2694	-0.3746	0.412439
Gm25379	chr8:57549774-57549888	2.9973	2.7167	-0.1418	0.873136
B230317F23Rik	chr8:60983436-60985908	1.3154	1.1991	-0.1336	0.562073
March1	chr8:65617899-66471637	0.1524	0.4158	1.4477	0.010159
Naf1	chr8:66860216-66890564	1.0710	0.9903	-0.1130	0.510874
Gm15549	chr8:68798866-68799488	1.8315	1.6129	-0.1833	0.637119
Slc18a1	chr8:69037710-69089235	0.2278	0.2454	0.1076	0.655659
Gm15717	chr8:69110470-69111244	3.8566	2.6112	-0.5627	0.175184
NA	chr8:69165744-69184215	1.1085	0.8923	-0.3131	0.181137
Gm10033	chr8:69372144-69373383	4.4894	4.9727	0.1475	0.403806
Gm10311	chr8:69373527-69373914	3.4010	3.6496	0.1018	0.277007
Pbx4	chr8:69832623-69873163	0.9392	0.9886	0.0739	0.808064
Yjefn3	chr8:69887787-69902712	1.4247	1.1942	-0.2546	0.496475
Tm6sf2	chr8:70072923-70080066	0.6633	0.4565	-0.5393	0.317593
Mef2b	chr8:70152777-70167488	1.0452	0.9590	-0.1241	0.683318
Gdf1	chr8:70315774-70331592	1.3420	1.0097	-0.4105	0.192404
Cers1	chr8:70315786-70331587	0.8518	0.6346	-0.4247	0.268445
Comp	chr8:70373547-70382065	0.5668	0.4855	-0.2234	0.539430
Crif1	chr8:70493157-70504081	0.2696	0.3153	0.2259	0.627586
Pde4c	chr8:70723719-70751186	0.2330	0.2342	0.0070	0.980411
Ankle1	chr8:71406009-71409904	0.6077	0.5410	-0.1676	0.777110
Nxn1l	chr8:71560555-71566649	0.8082	0.9325	0.2064	0.215597
NA	chr8:71674956-71676674	0.7250	1.1205	0.6281	0.054862
Calr3	chr8:72424175-72443870	0.6598	0.6995	0.0844	0.692203
Tmem38a	chr8:72572102-72587282	1.4644	1.2955	-0.1768	0.374652
Tom1	chr8:75033685-75070121	0.4978	0.5509	0.1461	0.502107
Hmox1	chr8:75093590-75100596	0.3899	0.8672	1.1532	0.020860
Gm5353	chr8:76862255-76863048	3.5230	2.5228	-0.4818	0.128477
Nr3c2	chr8:76899441-77245012	0.1935	0.2626	0.4408	0.243076
Gm5909	chr8:80110805-80112086	0.4733	0.4690	-0.0132	0.946944
1700067K01Rik	chr8:84001501-84004770	1.2497	0.8841	-0.4994	0.140935
Rln3	chr8:84042928-84045000	2.6914	2.9918	0.1527	0.666304
Gm26532	chr8:84208919-84209609	3.6680	3.4307	-0.0965	0.719972
Gm26664	chr8:84665127-84669406	2.3381	2.6057	0.1564	0.589363
Lyl1	chr8:84701456-84704715	0.4391	0.6331	0.5279	0.133049
1700122E12Rik	chr8:84847187-84848415	2.1491	1.9299	-0.1552	0.657471
Syce2	chr8:84872110-84888221	1.3063	1.5359	0.2336	0.197416
Mast1	chr8:84911902-84937359	0.5483	0.5011	-0.1297	0.522983
Gm5741	chr8:85067567-85067982	2.5293	2.4746	-0.0315	0.934873
NA	chr8:85432685-85433315	1.1476	1.6839	0.5532	0.039823
Gpt2	chr8:85492575-85527560	0.2081	0.2086	0.0038	0.981128
Gm16167	chr8:85853372-85854437	1.1042	1.2803	0.2135	0.742544
Gm16177	chr8:86659317-86660035	0.7243	1.1723	0.6947	0.344478
Gm10638	chr8:86745698-86746603	2.9266	1.7997	-0.7014	0.017681
Gm9988	chr8:88138078-88138517	9.4890	7.0481	-0.4290	0.002943
9430002A10Rik	chr8:88174559-88175028	1.8092	0.8492	-1.0912	0.119298

<i>Gnao1</i>	chr8:93809965-93969388	0.1654	0.1624	-0.0260	0.962542
<i>Gm15890</i>	chr8:94379236-94386972	3.2799	2.6132	-0.3278	0.228421
<i>Cpne2</i>	chr8:94532989-94570529	0.3228	0.3045	-0.0844	0.873768
<i>Plip</i>	chr8:94674894-94696242	0.6082	1.0687	0.8133	0.065145
<i>Gm7418</i>	chr8:94835716-94836517	1.8461	1.7362	-0.0885	0.827434
<i>Kifc3</i>	chr8:95099831-95142540	0.5811	0.5328	-0.1252	0.617458
<i>Tepp</i>	chr8:95310565-95326323	2.3685	2.7064	0.1924	0.194741
<i>Mmp15</i>	chr8:95352267-95374293	0.9485	0.8373	-0.1799	0.238562
<i>Ndrp4</i>	chr8:95676979-95715119	0.1054	0.1656	0.6528	0.376402
<i>Gm26493</i>	chr8:95746059-95746195	9.5722	10.5474	0.1400	0.593664
<i>Gm26265</i>	chr8:95756949-95757082	6.4962	7.7714	0.2586	0.302846
<i>4930513N10Rik</i>	chr8:95806829-95821728	0.9432	0.9940	0.0757	0.683280
<i>Gm5913</i>	chr8:97427711-97429110	0.8884	0.6655	-0.4168	0.164111
<i>Cdh11</i>	chr8:102632994-102785111	0.3509	0.4018	0.1954	0.315579
<i>Car7</i>	chr8:104534699-104550343	0.7761	0.8978	0.2102	0.540002
<i>Ces2c</i>	chr8:104847067-104854483	0.3310	0.6528	0.9798	0.325894
<i>Gm24629</i>	chr8:105203992-105204081	10.1343	8.1626	-0.3121	0.430314
<i>Hsf4</i>	chr8:105269800-105275845	0.4249	0.4385	0.0453	0.946674
<i>4931428F04Rik</i>	chr8:105280409-105289528	0.7838	0.8470	0.1118	0.707297
<i>Exoc3l</i>	chr8:105289923-105296098	0.9908	0.9058	-0.1294	0.522505
<i>Mir328</i>	chr8:105308363-105308460	8.0667	5.7476	-0.4890	0.130601
<i>Zdhhc1</i>	chr8:105472480-105484350	1.6245	1.9018	0.2273	0.240562
<i>Hsd11b2</i>	chr8:105518745-105523984	0.2512	0.3030	0.2706	0.612572
<i>AgRP</i>	chr8:105566699-105568298	1.7694	2.0318	0.1995	0.652994
<i>Gm5915</i>	chr8:105660333-105660787	2.9071	2.7004	-0.1064	0.804744
<i>Enkd1</i>	chr8:105703654-105707933	0.9343	0.9761	0.0631	0.842656
<i>Nutf2</i>	chr8:105860633-105880402	1.4470	1.3784	-0.0701	0.744884
<i>Ctrl</i>	chr8:105931993-105933862	3.1619	3.0805	-0.0376	0.894126
<i>Gm16156</i>	chr8:105934332-105945843	3.0712	3.3602	0.1297	0.654062
<i>Lcat</i>	chr8:105939550-105943382	0.4654	0.5601	0.2672	0.293590
<i>Smpd3</i>	chr8:106252547-106337988	0.3259	0.4516	0.4706	0.037216
<i>Gm10073</i>	chr8:106572965-106573461	6.3924	4.1341	-0.6288	0.093467
<i>Cdh1</i>	chr8:106603350-106670246	0.2308	0.2368	0.0372	0.927488
<i>Gm16209</i>	chr8:107037479-107038106	1.9123	2.4600	0.3633	0.508773
<i>Nqo1</i>	chr8:107388224-107403206	0.4770	0.3369	-0.5013	0.234869
<i>Snord111</i>	chr8:110838527-110838616	26.0260	16.8740	-0.6252	0.174090
<i>Syce1l</i>	chr8:113643212-113655533	1.6741	1.7480	0.0623	0.834980
<i>Cenpn</i>	chr8:116921739-116941503	1.6221	1.5245	-0.0896	0.649458
<i>Plcg2</i>	chr8:117498290-117635140	0.4595	0.9099	0.9857	0.001163
<i>Osgin1</i>	chr8:119434123-119446256	0.4120	0.8640	1.0682	0.057623
<i>Rps13-ps4</i>	chr8:119602169-119602625	2.6101	1.7403	-0.5848	0.145364
<i>Gm15898</i>	chr8:120095059-120097736	2.0288	2.7657	0.4470	0.241695
<i>6430548M08Rik</i>	chr8:120114151-120165306	0.2512	0.2576	0.0364	0.826503
<i>Gm27021</i>	chr8:120608785-120668079	3.4482	3.0547	-0.1748	0.441504
<i>Zcchc14</i>	chr8:121598702-121652901	0.2834	0.3205	0.1776	0.283359
<i>Jph3</i>	chr8:121729622-121794276	0.3510	0.4590	0.3873	0.348951
<i>Gm20406</i>	chr8:121806414-121807369	5.5466	4.6584	-0.2518	0.190863
<i>BC048644</i>	chr8:121907832-121918428	0.8447	0.9398	0.1539	0.478475
<i>Gm27011</i>	chr8:121949673-121950645	1.8429	2.3481	0.3495	0.217391
<i>Gm17709</i>	chr8:121972726-121973822	1.4892	1.1658	-0.3532	0.344881
<i>Gm20681</i>	chr8:122374036-122376444	0.7704	0.7074	-0.1231	0.898392
<i>Il17c</i>	chr8:122422019-122423639	0.8547	1.3828	0.6941	0.153147
<i>Gm24366</i>	chr8:122471626-122471712	9.7516	8.0667	-0.2737	0.457970
<i>Cbfa2t3</i>	chr8:122628738-122699109	0.1084	0.2319	1.0967	0.031988
<i>Snord68</i>	chr8:123103037-123103123	15.8840	15.6593	-0.0206	0.915622
<i>4933417D19Rik</i>	chr8:123235090-123242359	1.9774	2.1041	0.0896	0.698082
<i>Gm27854</i>	chr8:123265778-123266005	3.4489	3.2526	-0.0845	0.685884
<i>Dbnnd1</i>	chr8:123504717-123515463	1.2097	1.1882	-0.0259	0.890910
<i>Gm15775</i>	chr8:124324777-124331795	2.9647	4.4571	0.5882	0.136175
<i>Fam89a</i>	chr8:124740256-124751809	1.3503	1.8326	0.4406	0.040293
<i>Disc1</i>	chr8:125054194-125261858	0.1954	0.1931	-0.0169	0.977353
<i>Pcnx12</i>	chr8:125751508-125898293	0.2308	0.2383	0.0459	0.829587
<i>Mir1903</i>	chr8:128359240-128359320	6.8271	13.7092	1.0058	0.185301
<i>2610044O15Rik8</i>	chr8:129217723-129221950	10.2222	11.3198	0.1471	0.555857
<i>Mmp12</i>	chr9:7344380-7369499	0.1484	0.3002	1.0165	0.053004
<i>Mmp8</i>	chr9:7558428-7568486	0.1607	0.0795	-0.1043	0.342365
<i>NA</i>	chr9:7836686-7837064	4.1736	4.6760	0.1640	0.509036
<i>Gm17571</i>	chr9:13444033-13446753	11.0665	9.6001	-0.2051	0.527676
<i>Gm22643</i>	chr9:13621225-13621326	19.2356	18.5851	-0.0496	0.838245
<i>Kdm4d</i>	chr9:14462547-14500482	0.1526	0.2003	0.3926	0.396853
<i>Gm25500</i>	chr9:15312551-15312674	12.3111	13.2719	0.1084	0.709630

Gm24455	chr9:15313801-15313932	13.1921	9.4604	-0.4797	0.270447
Gm24299	chr9:15314073-15314144	21.9234	27.0492	0.3031	0.181100
Gm22620	chr9:15315188-15315321	11.0379	13.2904	0.2679	0.333339
Gm24357	chr9:15315521-15315595	40.2357	40.2412	0.0002	0.999251
Gm24339	chr9:15326463-15326539	37.5212	51.5051	0.4570	0.225617
Ccdc67	chr9:15559863-15627933	0.4080	0.6722	0.7201	0.441889
Naalad2	chr9:18321950-18402995	0.4286	0.3111	-0.4620	0.137154
Zfp558	chr9:18455574-18478268	0.8351	0.7221	-0.2097	0.154152
Fbxl12os	chr9:20607480-20617271	0.8769	0.8525	-0.0407	0.822259
Gm26521	chr9:20607765-20612485	0.7454	0.8958	0.2653	0.042431
Olfm2	chr9:20667985-20728219	1.1891	1.0281	-0.2099	0.628030
Gm24067	chr9:20889483-20889568	12.6829	11.8897	-0.0932	0.813574
Icam4	chr9:21029372-21030531	0.6510	0.7841	0.2683	0.438469
Gm16853	chr9:21405241-21411720	1.8005	1.9094	0.0847	0.723414
Mir199a-1	chr9:21496494-21496564	6.8315	8.3910	0.2966	0.530723
Spc24	chr9:21755441-21760286	1.4542	1.6035	0.1410	0.645503
Dock6	chr9:21800183-21852635	0.1376	0.2050	0.5751	0.225991
Cnn1	chr9:22099280-22109630	0.4889	0.4161	-0.2326	0.468585
Anln	chr9:22331213-22389206	0.6385	0.8242	0.3682	0.329145
9530077C05Rik	chr9:22411576-22444677	0.8673	1.0788	0.3148	0.263929
Jam3	chr9:27097384-27155421	0.7379	0.6065	-0.2829	0.297837
St14	chr9:31089401-31131853	0.2890	0.4334	0.5848	0.087909
Gm10698	chr9:33728212-33728889	3.1278	3.2115	0.0381	0.812894
Kirrel3	chr9:34486125-35036716	0.4866	0.6553	0.4294	0.265053
Pate2	chr9:35570283-35690318	0.1275	0.1129	-0.1760	0.670259
Chek1	chr9:36708481-36727065	0.4841	0.5504	0.1852	0.389902
Gm26787	chr9:36767886-36782670	3.7502	4.6380	0.3065	0.019068
Tmem218	chr9:37208332-37223210	2.2044	1.6668	-0.4033	0.206232
Snord14c	chr9:40803582-40803668	43.7289	37.0207	-0.2403	0.511671
Mfrp	chr9:44101737-44109187	0.3127	0.3492	0.1589	0.687689
Gm26737	chr9:44112922-44121947	0.3617	0.3798	0.0702	0.876962
Mcam	chr9:44134468-44142727	0.4668	0.5522	0.2425	0.461210
Gm10080	chr9:44374594-44375209	0.8708	0.7578	-0.2006	0.589133
C030014I23Rik	chr9:44477923-44482180	1.0274	0.9874	-0.0573	0.616429
Atp5l	chr9:44913249-44920742	2.6266	2.3922	-0.1349	0.456326
Scn2b	chr9:45117875-45130070	0.3207	0.3745	0.2239	0.413316
BC049352	chr9:45182006-45250020	0.2730	0.4076	0.5782	0.152690
Tmprss13	chr9:45319099-45347581	0.7855	1.0778	0.4563	0.425130
Dixdc1	chr9:50662751-50739517	0.2251	0.2579	0.1965	0.379145
Zc3h12c	chr9:52111984-52168111	0.0998	0.0966	-0.0473	0.918615
Exph5	chr9:53301669-53377514	0.2774	0.3713	0.4204	0.084625
Kdelc2	chr9:53384022-53401867	0.4131	0.6270	0.6021	0.406133
Hykk	chr9:54917282-54949924	0.1094	0.1405	0.3606	0.294193
Peak1os	chr9:56257889-56267780	0.9682	1.1397	0.2353	0.598843
Gm10658	chr9:57056629-57071966	0.9130	0.8077	-0.1769	0.533856
2700012I20Rik	chr9:57075215-57076013	5.3987	4.7144	-0.1955	0.377281
Trcg1	chr9:57236555-57249863	0.3653	0.5461	0.5801	0.085171
Lman1l	chr9:57607084-57620774	0.4522	0.3914	-0.2084	0.315047
Gm17231	chr9:57777864-57834295	3.3217	3.7811	0.1869	0.258185
Sema7a	chr9:57940112-57962864	0.8564	1.0845	0.3407	0.287588
Rec114	chr9:58652855-58741559	3.1004	2.8456	-0.1237	0.483423
Gm7589	chr9:59145673-59146210	0.8019	1.2472	0.6372	0.101376
Rps11-ps1	chr9:59471758-59472233	4.4941	6.7305	0.5827	0.095786
Gm10655	chr9:61370796-61372193	0.9648	0.8498	-0.1831	0.687626
Coro2b	chr9:62419491-62537044	0.3480	0.5673	0.7050	0.228098
Gm26609	chr9:62804477-62808234	0.5641	1.0942	0.9559	0.086336
Gm10653	chr9:62841476-62868000	1.9158	1.7383	-0.1403	0.711024
Gm22571	chr9:64175870-64175941	23.9778	18.3634	-0.3849	0.357101
Gm23136	chr9:64176660-64176759	11.6030	8.7961	-0.3996	0.192561
Gm22455	chr9:64177122-64177193	15.3063	11.5843	-0.4020	0.182307
Uchl4	chr9:64235200-64236362	2.7352	3.2382	0.2435	0.087728
Gm16218	chr9:65297531-65297919	1.5998	1.9775	0.3058	0.183512
Pif1	chr9:65587159-65595967	0.2568	0.4836	0.9134	0.060099
Gm16073	chr9:65838166-65838683	1.0726	1.0797	0.0095	0.984542
Gm15563	chr9:66572000-66582059	7.0095	8.7839	0.3255	0.195073
Aph1b	chr9:66775201-66795490	0.1400	0.2212	0.6597	0.100797
Gm15511	chr9:69348888-69364247	1.1798	1.6120	0.4503	0.271306
Fam81a	chr9:70089309-70142560	0.1090	0.1058	-0.0439	0.956026
Gm3436	chr9:70852575-70853418	0.5541	0.3060	-0.8564	0.256102
Aqp9	chr9:71110658-71168682	0.4789	0.5510	0.2022	0.448636
Myzap	chr9:71504346-71592360	0.3284	0.3265	-0.0081	0.973470

<i>Cpg1os</i>	chr9:72979723-72985376	4.5307	3.7659	-0.2667	0.272280
<i>Khd3c</i>	chr9:73101835-73104443	1.1508	1.3286	0.2073	0.388757
<i>Myo5c</i>	chr9:75232013-75305451	0.2625	0.3095	0.2379	0.550800
<i>Gnb5</i>	chr9:75311394-75344964	1.0423	0.9260	-0.1707	0.730815
<i>4933433G15Rik</i>	chr9:75410183-75417709	2.1936	2.0975	-0.0647	0.495100
<i>Gsta4</i>	chr9:78191965-78209348	0.8344	1.3708	0.7161	0.070633
<i>Ddx43</i>	chr9:78395776-78423587	0.6934	0.9667	0.4793	0.071065
<i>Gm8093</i>	chr9:78427506-78430805	0.4152	0.4658	0.1659	0.470616
<i>Gm17324</i>	chr9:78447864-78448786	3.3942	2.3482	-0.5315	0.011905
<i>Gm8116</i>	chr9:78820422-78821892	0.6079	0.4594	-0.4040	0.380326
<i>4930429F24Rik</i>	chr9:79793640-79803235	1.3645	1.3036	-0.0658	0.724751
<i>Gm20648</i>	chr9:80073428-80073756	3.5203	4.4965	0.3531	0.128593
<i>Impg1</i>	chr9:80313329-80465438	0.3626	0.3352	-0.1132	0.800402
<i>Hmgn3</i>	chr9:83109947-83146685	0.9048	1.3981	0.6278	0.117372
<i>Ttk</i>	chr9:83834688-83872390	0.5046	0.6927	0.4571	0.378274
<i>NA</i>	chr9:85781862-85782663	0.6514	0.5221	-0.3191	0.559105
<i>NA</i>	chr9:86546681-86546795	7.7447	8.9193	0.2037	0.549689
<i>Rwdd2a</i>	chr9:86572052-86574896	1.7268	1.8192	0.0752	0.710960
<i>Gm26461</i>	chr9:88553235-88553534	4.5075	5.6663	0.3301	0.611430
<i>Mthfs1</i>	chr9:88688604-88719798	2.8929	4.6469	0.6837	0.021820
<i>Ctsh</i>	chr9:90054151-90076089	0.4035	1.0530	1.3839	0.006418
<i>Adamts7</i>	chr9:90162977-90208071	0.4000	0.4531	0.1798	0.376573
<i>Gm16200</i>	chr9:90221294-90221625	2.4751	2.8560	0.2065	0.572706
<i>Gm5620</i>	chr9:91097147-91098500	0.8341	0.6250	-0.4163	0.425536
<i>Plscr1</i>	chr9:92250056-92271975	1.4795	2.6165	0.8225	0.300183
<i>Plod2</i>	chr9:92542222-92608428	0.6094	0.7878	0.3703	0.349559
<i>Gm16262</i>	chr9:94695703-94702319	1.0654	1.3907	0.3844	0.158209
<i>1700065D16Rik</i>	chr9:95855551-95858320	1.0331	0.7254	-0.5102	0.020621
<i>Gm1123</i>	chr9:99006964-99035690	0.6664	0.5202	-0.3572	0.182277
<i>Il20rb</i>	chr9:100457718-100486788	0.6566	0.8189	0.3185	0.128316
<i>Slc35g2</i>	chr9:100552192-100571085	1.7565	1.8272	0.0570	0.778188
<i>Ryk</i>	chr9:102834916-102908305	0.4147	0.7244	0.8048	0.286436
<i>Trf</i>	chr9:103204000-103230444	0.2349	0.2412	0.0382	0.929739
<i>NA</i>	chr9:104084156-104102560	1.4484	1.3670	-0.0835	0.509522
<i>Ackr4</i>	chr9:104098137-104126643	0.4562	0.5283	0.2116	0.494052
<i>4930500F10Rik</i>	chr9:106247959-106248907	0.5984	0.6179	0.0463	0.938376
<i>Poc1a</i>	chr9:106281060-106349891	1.9241	2.0074	0.0611	0.839751
<i>Gpr62</i>	chr9:106463972-106465940	0.5549	0.5123	-0.1151	0.717018
<i>4930524O07Rik</i>	chr9:106892170-106895182	1.7382	1.7235	-0.0123	0.963708
<i>Dock3</i>	chr9:106892833-107231909	0.1134	0.1369	0.2713	0.417521
<i>Gm17040</i>	chr9:107292434-107297192	0.7217	1.2167	0.7534	0.024493
<i>Cacna2d2</i>	chr9:107399611-107529346	0.1945	0.1876	-0.0518	0.916069
<i>Zmynd10</i>	chr9:107547309-107551319	1.3681	1.3409	-0.0290	0.914744
<i>Hyal1</i>	chr9:107576926-107581710	0.9241	1.1857	0.3596	0.071563
<i>Hyal3</i>	chr9:107580817-107587359	0.9125	0.8035	-0.1835	0.609479
<i>Traip</i>	chr9:107950962-107972268	1.0222	1.3478	0.3989	0.106368
<i>Cdhr4</i>	chr9:107983286-107999684	1.0767	1.0474	-0.0398	0.872260
<i>Bsn</i>	chr9:108096022-108190384	0.1894	0.2589	0.4510	0.268381
<i>Nicn1</i>	chr9:108290447-108296498	1.4091	1.1488	-0.2947	0.325854
<i>1700102P08Rik</i>	chr9:108392833-108397763	3.1102	2.3846	-0.3833	0.268681
<i>Klhdc8b</i>	chr9:108447657-108452377	0.8845	0.7747	-0.1913	0.505903
<i>Lamb2</i>	chr9:108479861-108490530	0.2290	0.2171	-0.0769	0.870711
<i>NA</i>	chr9:108648839-108650953	1.3997	1.3970	-0.0027	0.992285
<i>Celsr3</i>	chr9:108826319-108852963	0.1222	0.0823	-0.5693	0.066782
<i>Col7a1</i>	chr9:108953585-108984875	0.3293	0.2493	-0.4018	0.324853
<i>3000002C10Rik</i>	chr9:109827942-109832706	0.6640	0.8844	0.4136	0.000071
<i>Camp</i>	chr9:109847374-109849456	1.0014	1.0048	0.0049	0.992137
<i>Cspg5</i>	chr9:110243782-110262575	0.1598	0.3526	1.1420	0.022605
<i>Ngp</i>	chr9:110419749-110423010	1.1036	0.9744	-0.1796	0.826773
<i>Kif9</i>	chr9:110476993-110525179	0.2194	0.2072	-0.0821	0.800913
<i>Nradd</i>	chr9:110621136-110624393	2.2243	1.7279	-0.3643	0.340032
<i>Prss50</i>	chr9:110857966-110864628	0.5346	0.4285	-0.3190	0.370677
<i>Gm590</i>	chr9:110914738-110916861	7.0099	4.5597	-0.6205	0.096924
<i>Tdgf1</i>	chr9:110939609-110946158	0.5625	0.5460	-0.0429	0.897240
<i>Ltf</i>	chr9:111019291-111042766	1.0553	0.7198	-0.5519	0.611540
<i>Ccrl2</i>	chr9:111054834-111057270	0.5314	0.8435	0.6666	0.048999
<i>Arpp21</i>	chr9:112065090-112235938	0.0622	0.0537	-0.2111	0.498557
<i>4930520O04Rik</i>	chr9:114368302-114377229	0.5108	0.8351	0.7093	0.009616
<i>Ctdspl</i>	chr9:118926452-119043998	0.1776	0.1998	0.1700	0.468986
<i>Scn11a</i>	chr9:119753762-119825456	0.3720	0.4223	0.1830	0.501721
<i>Cx3cr1</i>	chr9:119901615-120068283	0.4278	0.6791	0.6668	0.419400

<i>Ccr8</i>	chr9:120092132-120094906	2.2515	2.8096	0.3195	0.286348
<i>Snora62</i>	chr9:120130414-120130563	13.7176	11.3709	-0.2707	0.022203
<i>Entpd3</i>	chr9:120539817-120568318	0.1891	0.1838	-0.0417	0.913367
<i>5830454E08Rik</i>	chr9:120577345-120578072	5.6870	4.2551	-0.4185	0.031658
<i>E530011L22Rik</i>	chr9:121757206-121759788	1.1262	1.3438	0.2549	0.642681
<i>1700048O20Rik</i>	chr9:121938134-121947014	0.3602	0.3950	0.1328	0.392511
<i>A730085K08Rik</i>	chr9:122380574-122398801	1.0858	1.3487	0.3128	0.325362
<i>Cdcp1</i>	chr9:123170823-123216038	0.1315	0.2452	0.8988	0.005432
<i>Tmem158</i>	chr9:123259057-123260789	0.6046	0.5712	-0.0820	0.857865
<i>Scp2-ps2</i>	chr9:123307507-123307939	5.4242	5.4393	0.0040	0.987503
<i>Xcr1</i>	chr9:123852314-123862029	0.1366	0.0746	-0.8726	0.037878
<i>Ppp2r3d</i>	chr9:124422621-124424154	6.2858	5.4624	-0.2025	0.375151
<i>NA</i>	chr9:124438995-124440899	8.0057	8.9741	0.1647	0.418281
<i>Rpl19-ps12</i>	chrX:6071221-6071812	0.8998	0.4483	-1.0051	0.096387
<i>Usp27x</i>	chrX:7371275-7375830	0.2283	0.2907	0.3485	0.266588
<i>2010204K13Rik</i>	chrX:7411816-7445143	0.9609	0.7000	-0.4571	0.123423
<i>Syp</i>	chrX:7638470-7653256	0.3661	0.3832	0.0660	0.758888
<i>Gm14703</i>	chrX:7651105-7657258	0.3841	0.3919	0.0289	0.913784
<i>Rbm3os</i>	chrX:8145428-8147964	2.5515	4.0255	0.6578	0.077328
<i>B630019K06Rik</i>	chrX:8892381-8894963	0.4953	0.5183	0.0655	0.806199
<i>Lancl3</i>	chrX:9199901-9268085	0.5428	0.8154	0.5872	0.320584
<i>Gm5931</i>	chrX:10660521-10660998	5.6480	3.9011	-0.5339	0.099031
<i>Gm14493</i>	chrX:10717472-10718710	5.9228	5.3364	-0.1504	0.188371
<i>Gm14513</i>	chrX:11684001-11684124	15.0294	10.4755	-0.5208	0.278558
<i>Gm4984</i>	chrX:12651882-12652821	0.5854	0.5083	-0.2038	0.709532
<i>AA414768</i>	chrX:12936871-12938128	0.8497	1.0595	0.3184	0.372470
<i>Rpl3-ps1</i>	chrX:13202545-13203838	1.0296	0.8724	-0.2390	0.290318
<i>Llph-ps2</i>	chrX:13217922-13218650	1.6654	1.2144	-0.4556	0.196404
<i>Gm14636</i>	chrX:19156980-19167241	0.1310	0.1926	0.5556	0.183743
<i>Gm9085</i>	chrX:20382749-20383821	0.6078	0.8841	0.5406	0.049636
<i>Gm5124</i>	chrX:21360864-21364622	0.5120	0.5448	0.0896	0.640337
<i>Gm26593</i>	chrX:21360864-21364622	0.7126	0.7251	0.0251	0.907748
<i>Gm2223</i>	chrX:33505651-33507010	0.7149	1.0572	0.5644	0.118082
<i>Il13ra1</i>	chrX:36112109-36171259	0.3839	0.6455	0.7497	0.147267
<i>Zcchc12</i>	chrX:36195903-36199158	0.5355	0.8278	0.6283	0.016133
<i>Gm6023</i>	chrX:36213523-36214129	0.8573	0.6258	-0.4541	0.356555
<i>Gm15008</i>	chrX:36910833-36911985	1.8063	3.2224	0.8352	0.005136
<i>Akap14</i>	chrX:37150697-37168842	0.4667	0.7082	0.6017	0.054792
<i>NA</i>	chrX:42526584-42529330	1.2609	1.3685	0.1181	0.571937
<i>Gm4987</i>	chrX:46455886-46456294	6.2418	6.1997	-0.0098	0.981783
<i>Apln</i>	chrX:48025145-48034853	0.2761	0.3151	0.1907	0.703102
<i>Xpnp2</i>	chrX:48108724-48136981	0.2417	0.2306	-0.0674	0.764105
<i>Gm14719</i>	chrX:49660959-49661190	3.6409	2.0883	-0.8020	0.066786
<i>Firre</i>	chrX:50555743-50635321	1.2750	1.8119	0.5070	0.033181
<i>Frmd7</i>	chrX:50895179-50942710	0.4304	0.5048	0.2300	0.518704
<i>Kis2</i>	chrX:52742562-52744960	1.4790	1.2145	-0.2842	0.114533
<i>Gm14586</i>	chrX:52772341-52772749	4.2792	4.2161	-0.0214	0.940490
<i>C430049B03Rik</i>	chrX:53055045-53057190	0.2983	0.1984	-0.5882	0.220873
<i>Cxx1c</i>	chrX:53607921-53609132	0.9323	1.4082	0.5950	0.188407
<i>Cxx1a</i>	chrX:53642487-53643763	0.6531	0.7214	0.1435	0.602809
<i>Cxx1b</i>	chrX:53669177-53670408	1.7660	2.0722	0.2307	0.472284
<i>3830403N18Rik</i>	chrX:56136571-56153498	0.5904	0.0157	-5.2370	0.231533
<i>6330419J24Rik</i>	chrX:56374609-56377799	0.2023	0.3972	0.9735	0.122733
<i>Mir5116</i>	chrX:56587851-56587914	12.0167	19.5855	0.7047	0.166999
<i>Gm14718</i>	chrX:57200642-57204378	2.3210	2.2471	-0.0467	0.912157
<i>Gm5637</i>	chrX:60045110-60046229	1.8338	1.5098	-0.2805	0.416609
<i>Gm14680</i>	chrX:62775150-62776742	0.5934	0.5453	-0.1220	0.771771
<i>Gm5391</i>	chrX:68319637-68320250	2.1130	1.8453	-0.1954	0.650314
<i>Hmgb3</i>	chrX:71555917-71560676	1.1496	1.2680	0.1414	0.641464
<i>Zfp185</i>	chrX:72987338-73031543	0.1603	0.1816	0.1801	0.653901
<i>Pnck</i>	chrX:73655993-73660117	0.4800	0.4913	0.0334	0.925230
<i>Slc6a8</i>	chrX:73673149-73682502	0.4136	0.6407	0.6315	0.084102
<i>Gm14817</i>	chrX:73795214-73797616	0.9924	0.9239	-0.1032	0.741460
<i>Renbp</i>	chrX:73922120-73930850	0.3186	0.5483	0.7830	0.037997
<i>Mir5132</i>	chrX:74023527-74023598	12.3586	8.1412	-0.6022	0.127134
<i>Xlr4e-ps</i>	chrX:74944962-74952044	1.8242	1.5468	-0.2380	0.612887
<i>F8</i>	chrX:75172714-75382615	0.1490	0.1821	0.2893	0.513196
<i>Rab39b</i>	chrX:75572045-75578231	0.2944	0.6396	1.1194	0.213880
<i>Gm15063</i>	chrX:75573451-75575268	0.4195	0.9189	1.1314	0.133788
<i>Gm5939</i>	chrX:78855407-78858281	0.1614	0.1679	0.0571	0.874852
<i>Gm8806</i>	chrX:80533744-80535151	1.3425	1.1035	-0.2828	0.367987

5430427019Rik	chrX:85870353-85891499	0.3243	0.4894	0.5938	0.324133
Gm14780	chrX:93527572-93530309	0.2481	0.2547	0.0382	0.921116
Pcyt1b	chrX:93654862-93749951	0.1643	0.2271	0.4666	0.203423
Maged1	chrX:94535473-94542143	0.5826	0.5179	-0.1699	0.679702
Gm7061	chrX:94772615-94774034	1.2380	0.8367	-0.5652	0.069019
Gm14830	chrX:94774977-94775677	0.7347	0.7858	0.0971	0.800822
Rpl13-ps5	chrX:94789716-94790349	0.8183	0.8778	0.1012	0.827223
Gm371	chrX:94997438-94998683	1.3187	1.3545	0.0387	0.900194
Arhgef9	chrX:95048934-95196821	0.2611	0.2957	0.1796	0.624146
Zc4h2	chrX:95639192-95658509	1.6228	1.6540	0.0275	0.925260
Gm24718	chrX:96150836-96150972	11.5477	15.7492	0.4477	0.174334
F630028010Rik	chrX:96239941-96243636	0.6803	1.0232	0.5887	0.226676
Efnb1	chrX:99136129-99148991	0.5077	0.5806	0.1937	0.604583
Slc7a3	chrX:101079209-101086020	0.2790	0.1905	-0.5504	0.221352
Nlgn3	chrX:101299167-101325963	0.0847	0.0737	-0.2007	0.594486
Itgb1bp2	chrX:101449087-101453541	1.5817	2.0361	0.3644	0.228546
Nhs12	chrX:101849384-102092055	0.1284	0.1478	0.2039	0.643028
Rgag4	chrX:102066543-102071304	0.1270	0.2455	0.9511	0.201528
Gm6206	chrX:103162893-103165427	1.2794	1.3404	0.0672	0.745087
Chic1	chrX:103356475-103396092	0.2742	0.4490	0.7113	0.200727
Gm6285	chrX:104947784-104948282	1.1151	0.9553	-0.2231	0.492525
Gm7117	chrX:105725127-105725532	1.7542	1.2885	-0.4451	0.389786
Gm14853	chrX:105844464-105845013	1.0618	1.5640	0.5588	0.064640
Tlr13	chrX:106143203-106160493	0.2129	0.4130	0.9558	0.027333
Gm14857	chrX:106281911-106285096	0.1168	0.1222	0.0656	0.913560
Gm14834	chrX:107174609-107175494	1.3844	1.2939	-0.0975	0.713068
Gm9208	chrX:107279014-107279962	1.5940	1.8458	0.2116	0.098616
Hmgn5	chrX:109004533-109013404	0.9722	1.7017	0.8076	0.009017
Gm6377	chrX:109196755-109200439	0.2949	0.5847	0.9873	0.118881
Gm4784	chrX:109388743-109392165	0.4030	0.3879	-0.0552	0.887149
Klhl4	chrX:114474332-114560829	0.6070	0.8123	0.4204	0.507911
Gm14984	chrX:130400956-130402219	0.5755	0.5338	-0.1086	0.790124
Gm7823	chrX:133093939-133095562	1.8015	1.6683	-0.1108	0.517643
Tspan6	chrX:133891067-133898429	0.8078	0.8699	0.1068	0.636945
Tmem35	chrX:134295224-134305969	0.5086	0.5282	0.0546	0.900640
Cenpi	chrX:134308083-134362639	0.3263	0.4282	0.3919	0.285595
Timm8a1	chrX:134537255-134541865	0.6538	0.5944	-0.1374	0.743052
Armcx4	chrX:134686518-134696757	0.4004	0.5389	0.4286	0.089519
Armcx1	chrX:134717962-134721917	0.5580	0.7170	0.3616	0.022296
Armcx6	chrX:134748460-134751417	0.7833	0.8260	0.0765	0.845582
Armcx3	chrX:134756594-134761455	0.8066	0.9114	0.1762	0.272494
Gprasp2	chrX:135839033-135844730	0.3133	0.5434	0.7945	0.055836
Arxes2	chrX:135993819-135995359	1.8046	1.6761	-0.1066	0.695778
Glra4	chrX:136757673-136780141	0.6313	0.6545	0.0522	0.846259
Tmsb15l	chrX:136954987-136976869	4.6807	4.3259	-0.1137	0.535014
Tmsb15b2	chrX:136955264-136975497	6.8518	6.3233	-0.1158	0.519255
Tmsb15b1	chrX:136974021-136976874	3.9371	3.7462	-0.0717	0.794495
Zcchc18	chrX:136993154-136998472	0.4574	0.6292	0.4600	0.301000
Rnf128	chrX:139563315-139673145	0.3399	0.8184	1.2676	0.164914
Gm15066	chrX:144285725-144288333	0.9116	0.9430	0.0488	0.871372
3110067C02Rik	chrX:150463725-150466156	0.2963	0.4115	0.4741	0.137812
Alas2	chrX:150547374-150570638	0.8199	1.3168	0.6835	0.023417
Pfkfb1	chrX:150588228-150643878	0.8240	0.8712	0.0804	0.678917
Mir3113	chrX:151859561-151859637	19.1389	19.6033	0.0346	0.917430
Ribc1	chrX:152004581-152016295	1.1905	1.6124	0.4377	0.219855
Gm15267	chrX:152043048-152043512	1.1878	0.7554	-0.6530	0.274037
Kantr	chrX:152298499-152327495	0.6010	1.1184	0.8960	0.061648
Gm26035	chrX:152923452-152923760	6.1237	6.2625	0.0323	0.928354
Klf8	chrX:153237465-153396132	0.4027	0.6064	0.5907	0.231958
Kctd12b	chrX:153685153-153696391	0.5783	0.8259	0.5141	0.127087
Gm650	chrX:155304198-155305749	0.9117	1.0155	0.1556	0.721716
Gm8606	chrX:155504036-155504924	1.8570	1.9921	0.1013	0.774741
Gm15163	chrX:157015330-157120545	0.3647	0.3511	-0.0549	0.876028
Gm15243	chrX:160527500-160533045	4.2598	5.5507	0.3819	0.031464
Cdk15	chrX:160784307-160994702	0.6102	0.6703	0.1356	0.576243
Gm7331	chrX:162566815-162567309	1.7813	1.7777	-0.0029	0.993771
Car5b	chrX:163976821-164027997	0.3032	0.6718	1.1476	0.100515
Siah1b	chrX:164070704-164076493	1.2138	1.1855	-0.0341	0.891538
Gemin8	chrX:166170453-166190512	0.9957	1.4111	0.5031	0.060963
Gm1720	chrX:166662024-166689812	1.6122	1.1240	-0.5204	0.034404
Gm8817	chrX:167063193-167070380	1.6314	1.6416	0.0091	0.975074

<i>Gm15232</i>	chrX:167088092-167102090	1.5720	1.8510	0.2357	0.252225
<i>Gm15239</i>	chrX:167361454-167364421	0.8314	1.4020	0.7539	0.250757
<i>G530011006Rik</i>	chrX:169975042-169978917	0.6177	1.1275	0.8683	0.130787
<i>Gm15726</i>	chrX:169979046-169985232	2.2832	3.9583	0.7938	0.008161
<i>Ccdc152</i>	chr15:3280626-3303526	1.8766	2.2215	0.2434	0.297141
<i>Gm2093</i>	chr15:3996038-4015858	0.0999	0.1217	0.2846	0.776132
<i>Snord72</i>	chr15:5118403-5118484	30.8325	28.2723	-0.1251	0.470736
<i>Gm15938</i>	chr15:5175084-5185723	1.4641	1.0976	-0.4156	0.289166
<i>Gm15937</i>	chr15:5208912-5210147	1.0894	1.5987	0.5534	0.077150
<i>Gm7666</i>	chr15:6653922-6654741	1.4919	1.6459	0.1418	0.742271
<i>Ranbp3l</i>	chr15:8968425-9066551	0.3380	0.3619	0.0989	0.779654
<i>Capsl</i>	chr15:9436027-9466035	0.8818	1.1435	0.3749	0.403575
<i>Prlr</i>	chr15:10177237-10349180	0.1151	0.1308	0.1842	0.719182
<i>Gm25713</i>	chr15:12158332-12158441	7.6020	5.7568	-0.4011	0.218997
<i>Mir1898</i>	chr15:12171491-12171574	14.3536	16.8920	0.2349	0.421196
<i>Basp1</i>	chr15:25363284-25413764	1.6789	1.6594	-0.0168	0.949708
<i>Cmb1</i>	chr15:31568790-31590119	2.7813	2.5633	-0.1178	0.254575
<i>Cpq</i>	chr15:33083128-33594552	1.1745	1.1123	-0.0784	0.842160
<i>Gm24523</i>	chr15:34440790-34440922	26.2674	25.6571	-0.0339	0.879341
<i>Vps13b</i>	chr15:35371545-35931228	27.2438	29.4606	0.1129	0.194805
<i>Polr2k</i>	chr15:36174009-36177010	1.8963	2.2301	0.2340	0.429857
<i>Ncald</i>	chr15:37366174-37792570	0.1210	0.1641	0.4389	0.350602
<i>Gm22392</i>	chr15:44432594-44432701	11.0525	7.1651	-0.6253	0.163485
<i>Pkhd11l</i>	chr15:44457552-44597143	0.0770	0.1125	0.5473	0.138415
<i>Dscc1</i>	chr15:55076098-55090491	0.8526	0.8416	-0.0188	0.950871
<i>Deptor</i>	chr15:55112316-55259271	0.0678	0.0739	0.1254	0.744909
<i>Gm16006</i>	chr15:57708113-57708927	2.2532	3.8958	0.7900	0.047787
<i>Gm15943</i>	chr15:58214474-58324053	0.8459	0.7549	-0.1643	0.617490
<i>Gm20712</i>	chr15:58780460-58781951	0.6963	0.7544	0.1155	0.729925
<i>Gm24041</i>	chr15:58819322-58819478	7.6465	9.5087	0.3144	0.358875
<i>NA</i>	chr15:62217540-62219403	0.3660	0.6627	0.8564	0.257841
<i>Gm20405</i>	chr15:65857868-65858356	5.1129	4.7472	-0.1071	0.821242
<i>Lrrc6</i>	chr15:66379857-66500910	0.9638	0.7405	-0.3804	0.474489
<i>Tg</i>	chr15:66670752-66850721	0.1753	0.2656	0.5993	0.134446
<i>Gm2895</i>	chr15:66969322-67013039	0.2680	0.4314	0.6871	0.107315
<i>Gm26621</i>	chr15:68334714-68337430	1.2792	1.1924	-0.1014	0.707055
<i>Gm20732</i>	chr15:68340982-68363176	1.8801	1.8613	-0.0145	0.958738
<i>NA</i>	chr15:73095843-73096684	3.7479	4.9042	0.3879	0.349144
<i>Slurp1</i>	chr15:74726643-74728026	4.6285	3.5815	-0.3700	0.266409
<i>Ly6d</i>	chr15:74762055-74763567	0.5676	0.7342	0.3712	0.536957
<i>Ly6k</i>	chr15:74796873-74799986	2.5181	1.6367	-0.6216	0.510774
<i>Ly6c2</i>	chr15:75108159-75111684	4.9561	4.9589	0.0008	0.998708
<i>Gm15945</i>	chr15:75661406-75663529	1.2203	1.6255	0.4136	0.100465
<i>Zc3h3</i>	chr15:75754431-75841915	0.6510	0.8507	0.3859	0.208447
<i>Naprt</i>	chr15:75890963-75894481	1.0002	0.9775	-0.0331	0.932368
<i>Tigd5</i>	chr15:75909759-75912148	1.5231	1.2012	-0.3426	0.053884
<i>Fam83h</i>	chr15:76001092-76014336	0.1537	0.1128	-0.4459	0.408966
<i>Nrbp2</i>	chr15:76085594-76090013	0.4028	1.4199	1.8175	0.148921
<i>Rps6-ps1</i>	chr15:76337615-76338365	1.4107	1.0847	-0.3791	0.015111
<i>Tssk5</i>	chr15:76371957-76374938	0.3991	0.4939	0.3075	0.424565
<i>Scx</i>	chr15:76457437-76459468	1.0412	0.7966	-0.3863	0.061346
<i>Zfp647</i>	chr15:76910850-76918010	1.3093	1.1633	-0.1706	0.422130
<i>Apol9b</i>	chr15:77729120-77736381	0.9372	1.1627	0.3111	0.529222
<i>Gm22107</i>	chr15:77840656-77840756	17.8270	28.3666	0.6701	0.004341
<i>Csf2rb</i>	chr15:78325989-78351000	0.2154	0.4384	1.0251	0.055022
<i>Tst</i>	chr15:78399555-78405859	1.0571	1.0021	-0.0772	0.877397
<i>Kctd17</i>	chr15:78428563-78438909	1.5163	1.8625	0.2966	0.178925
<i>Card10</i>	chr15:78775137-78803042	0.1040	0.1710	0.7170	0.157904
<i>Gcat</i>	chr15:79030873-79043558	0.9041	0.9881	0.1283	0.549757
<i>Sox10</i>	chr15:79154912-79164490	0.3033	0.3877	0.3538	0.236000
<i>Slc16a8</i>	chr15:79251013-79254761	0.5408	0.5706	0.0774	0.886770
<i>Baiap2l2</i>	chr15:79258194-79285537	0.2836	0.1939	-0.5486	0.106697
<i>Maff</i>	chr15:79347540-79359072	1.7354	1.9516	0.1694	0.613454
<i>Kdelr3</i>	chr15:79516407-79527739	1.9506	2.2383	0.1985	0.586472
<i>n-R5s40</i>	chr15:79692501-79692625	3.1738	4.4544	0.4890	0.408955
<i>Pdgfb</i>	chr15:79995899-80014808	0.1763	0.2990	0.7621	0.106879
<i>Snord83b</i>	chr15:80078497-80078591	16.5844	25.7721	0.6360	0.076143
<i>Gm22077</i>	chr15:80080250-80080343	35.1441	32.7474	-0.1019	0.700342
<i>Syng1</i>	chr15:80091333-80119501	0.1088	0.0966	-0.1711	0.837336
<i>Mir5113</i>	chr15:80940038-80940120	25.0551	34.1225	0.4456	0.053059
<i>Dnajb7</i>	chr15:81407087-81408273	1.0253	1.0370	0.0163	0.959080

<i>Gm23880</i>	chr15:81586132-81586186	16.0159	7.6574	-1.0646	0.087821
<i>Gm18284</i>	chr15:81674254-81674878	1.3557	1.5383	0.1823	0.743708
<i>Csdc2</i>	chr15:81936758-81950941	0.0629	0.0516	-0.2845	0.744103
<i>Tnfrsf13c</i>	chr15:82221743-82224339	0.2997	0.4032	0.4283	0.206327
<i>Cenpm</i>	chr15:82233778-82244747	0.5100	0.6988	0.4543	0.477993
<i>Nfam1</i>	chr15:82997720-83033306	0.7921	1.3118	0.7278	0.079812
<i>Gm17206</i>	chr15:83102071-83105929	3.4750	4.7140	0.4399	0.049767
<i>Rnu12</i>	chr15:83149643-83149794	5.1909	5.3740	0.0500	0.917778
<i>1700001L05Rik</i>	chr15:83357525-83367282	0.3991	0.5257	0.3974	0.277769
<i>Bik</i>	chr15:83526861-83544635	1.2617	0.9182	-0.4584	0.337748
<i>Phf21b</i>	chr15:84785380-84856049	0.2806	0.3190	0.1851	0.365900
<i>Fbln1</i>	chr15:85205948-85286535	0.2546	0.2472	-0.0426	0.900325
<i>Gtse1</i>	chr15:85859706-85876572	1.2950	1.4578	0.1708	0.487760
<i>Mapk12</i>	chr15:89130584-89140703	0.9338	0.8710	-0.1003	0.679590
<i>Plxb2</i>	chr15:89155548-89171120	0.2430	0.3970	0.7080	0.098063
<i>Gm26798</i>	chr15:89211558-89215012	0.9285	1.2028	0.3734	0.075291
<i>Cpt1b</i>	chr15:89416404-89425863	1.1823	0.9685	-0.2878	0.001366
<i>Tcea1-ps1</i>	chr15:90882614-90883518	4.0335	3.8243	-0.0768	0.628705
<i>Gm24447</i>	chr15:93234362-93234700	4.5346	4.3419	-0.0627	0.747061
<i>Gm17546</i>	chr15:95824458-95830072	0.8592	1.5128	0.8162	0.087967
<i>Gm25397</i>	chr15:96404857-96404949	18.2197	16.8091	-0.1163	0.721729
<i>Endou</i>	chr15:97711018-97731405	0.2311	0.2007	-0.2029	0.587264
<i>Vdr</i>	chr15:97854424-97910630	0.1509	0.4953	1.7144	0.158432
<i>Gm26513</i>	chr15:98093282-98095771	1.0183	1.1059	0.1191	0.663836
<i>Snora34</i>	chr15:98519715-98519853	8.5561	7.0372	-0.2819	0.577091
<i>Rnd1</i>	chr15:98663420-98677461	0.2133	0.2393	0.1660	0.758083
<i>Gm17349</i>	chr15:99702175-99705490	6.7230	6.1220	-0.1351	0.688400
<i>Gm17058</i>	chr15:99765990-99782332	1.1464	1.5045	0.3922	0.241457
<i>5330439K02Rik</i>	chr15:100459739-100468691	1.0887	0.8210	-0.4071	0.310173
<i>C330013E15Rik</i>	chr15:100614139-100615110	1.5746	1.5310	-0.0405	0.889296
<i>A330009N23Rik</i>	chr15:101221195-101224121	0.5845	0.3194	-0.8718	0.033935
<i>5430421N21Rik</i>	chr15:101485130-101491512	0.2232	0.2225	-0.0048	0.993962
<i>Tenc1</i>	chr15:102102987-102116401	0.6004	0.6578	0.1319	0.524478
<i>Esp1</i>	chr15:102296292-102324356	0.4345	0.5492	0.3380	0.339240
<i>Gm10337</i>	chr15:102503721-102503886	4.2998	4.4866	0.0614	0.884988
<i>Npff</i>	chr15:102523842-102524621	5.7619	5.8215	0.0149	0.951940
<i>NA</i>	chr15:102528635-102529025	5.0982	4.6981	-0.1179	0.659713
<i>Rpl39-ps</i>	chr15:102634981-102635336	4.9552	5.6650	0.1931	0.643052
<i>Atp5g2</i>	chr15:102663013-102667749	2.4009	2.8264	0.2354	0.389602
<i>Nfe2</i>	chr15:103248211-103258403	0.4448	0.5251	0.2393	0.552952
<i>Gm3636</i>	chr14:6735684-6875155	0.4869	0.4169	-0.2239	0.665062
<i>Gm10044</i>	chr14:7744062-7791651	0.6139	0.8879	0.5323	0.095223
<i>Gm16741</i>	chr14:7749944-7775528	1.4849	1.7727	0.2556	0.428909
<i>Dnase1l3</i>	chr14:7964532-7994573	0.1837	0.3971	1.1126	0.012465
<i>Fhit</i>	chr14:9550091-11162035	0.5856	0.5991	0.0329	0.946985
<i>Rpl21-ps4</i>	chr14:11227551-11227992	2.0477	2.1161	0.0474	0.868647
<i>Il3ra</i>	chr14:14346494-14355490	2.5029	3.1845	0.3475	0.212341
<i>Ube2e2</i>	chr14:18573574-18894267	0.2711	0.3967	0.5491	0.105325
<i>Nid2</i>	chr14:19751256-19811787	0.1973	0.2930	0.5704	0.118417
<i>Kcnk5</i>	chr14:20140057-20181782	0.7850	1.1668	0.5718	0.477290
<i>Gm6158</i>	chr14:24070073-24070637	1.2889	1.1901	-0.1151	0.824516
<i>Gm26660</i>	chr14:25355800-25378635	0.4002	0.4912	0.2954	0.387925
<i>Gm26772</i>	chr14:25548389-25554369	0.5179	0.6264	0.2745	0.289117
<i>4933413J09Rik</i>	chr14:26356573-26400456	0.1393	0.1959	0.4915	0.072656
<i>4930570N19Rik</i>	chr14:26628406-26638183	6.4181	6.3077	-0.0250	0.900506
<i>9930004E17Rik</i>	chr14:26670009-26670507	1.5580	1.8613	0.2566	0.510118
<i>Dnah12</i>	chr14:26693273-26891703	0.0784	0.0476	-0.7220	0.007628
<i>Asb14</i>	chr14:26894556-26915258	0.3484	0.4504	0.3704	0.429306
<i>Gm22485</i>	chr14:27489268-27489377	7.8365	6.4734	-0.2757	0.581990
<i>Mir3076</i>	chr14:30572148-30572208	25.0734	18.3464	-0.4507	0.215989
<i>Mustn1</i>	chr14:30879256-30881608	1.7594	1.9678	0.1615	0.493779
<i>Snord69</i>	chr14:31014286-31014366	13.3503	13.1257	-0.0245	0.952933
<i>Snord19</i>	chr14:31016205-31016281	30.0866	30.2320	0.0070	0.978811
<i>Stab1</i>	chr14:31139012-31168641	0.0488	0.0229	-1.0948	0.105553
<i>Dnah1</i>	chr14:31260374-31323896	0.1260	0.1946	0.6270	0.026400
<i>Colq</i>	chr14:31523081-31591343	0.6772	0.6811	0.0082	0.969167
<i>Gm7707</i>	chr14:32266592-32267748	2.3627	2.0089	-0.2341	0.122432
<i>Gm17210</i>	chr14:32292923-32294974	2.9869	4.0944	0.4550	0.084660
<i>Syt15</i>	chr14:34219594-34230421	0.1653	0.1648	-0.0051	0.986248
<i>Bmpr1a</i>	chr14:34410733-34503341	0.2935	0.1573	-0.9003	0.025056
<i>Sh2d4b</i>	chr14:40813788-40893266	0.7209	0.6942	-0.0545	0.809226

Gm16976	chr14:44858670-44974944	0.3464	0.6013	0.7956	0.070806
4930431P03Rik	chr14:44955216-44961307	0.6495	1.1832	0.8652	0.044799
Gm17173	chr14:44972267-45006900	0.8129	1.3384	0.7194	0.011331
Gm15765	chr14:45211522-45212432	1.1027	1.0923	-0.0137	0.970512
Gpr137c	chr14:45219718-45281230	0.4891	0.3779	-0.3724	0.343194
Styx	chr14:45351472-45373585	1.7195	1.9929	0.2129	0.397248
Cdkn3	chr14:46760540-46771525	1.8046	2.3584	0.3861	0.088657
Gm6055	chr14:48079135-48079806	1.7041	2.1634	0.3443	0.282588
Tlr11	chr14:50360501-50363662	0.1456	0.2407	0.7254	0.174376
Rnase6	chr14:51129067-51131122	0.6773	1.6665	1.2990	0.141742
Slc39a2	chr14:51892888-51896745	1.1378	0.8594	-0.4048	0.166141
Arhgef40	chr14:51984718-52006251	0.1689	0.1662	-0.0235	0.904425
Tmem253	chr14:52016864-52019787	1.8189	1.7559	-0.0509	0.737949
Trav2	chr14:52567292-52568051	1.4058	1.6435	0.2254	0.670081
Trav3-1	chr14:52580706-52581213	1.8002	2.0598	0.1944	0.654323
Trav5-1	chr14:52622565-52623082	4.2557	5.3551	0.3315	0.419424
Trav6-1	chr14:52638514-52638962	2.9059	2.9808	0.0367	0.905252
Trav6-2	chr14:52667410-52667864	1.9772	2.7456	0.4737	0.149381
Trav6d-4	chr14:52753366-52753844	4.3896	4.3202	-0.0230	0.913943
Trav6d-5	chr14:52795027-52795631	2.9783	2.4059	-0.3079	0.091997
Trav8d-2	chr14:53042427-53042891	2.2056	2.7450	0.3156	0.537770
Trav13d-4	chr14:53073003-53073267	2.5470	2.4417	-0.0609	0.927756
Trav10n	chr14:53122113-53122610	3.4614	4.8135	0.4758	0.269802
Trav6n-6	chr14:53132850-53133137	4.3893	6.3726	0.5379	0.279108
Trav8n-2	chr14:53345960-53346420	4.2966	4.1172	-0.0615	0.746004
Trav16n	chr14:53351089-53351621	4.7030	7.1351	0.6013	0.025971
Trav13n-4	chr14:53363835-53364102	4.3390	4.2632	-0.0254	0.944778
Trav4-2	chr14:53418348-53418872	2.9395	2.7186	-0.1127	0.827916
Trav7-3	chr14:53443248-53443838	1.8779	2.3108	0.2992	0.435356
Trav6-4	chr14:53454295-53454782	3.6323	3.5600	-0.0290	0.936569
Trav7-4	chr14:53461098-53461736	4.2984	3.8404	-0.1626	0.574461
Trav8-1	chr14:53469755-53470231	3.9588	5.1218	0.3716	0.312984
Trav9-1	chr14:53488044-53488566	3.8973	3.4433	-0.1787	0.412172
Trav10	chr14:53505789-53506286	6.2358	6.7719	0.1190	0.385154
Trav12-1	chr14:53538259-53538738	4.0592	4.0565	-0.0010	0.996740
Trav13-1	chr14:53545013-53545521	11.5785	7.4910	-0.6282	0.023828
Trav9-2	chr14:53591079-53591514	7.8854	6.7775	-0.2184	0.411347
Trav4-3	chr14:53598907-53599410	6.8601	6.7222	-0.0293	0.937261
Trav12-2	chr14:53616314-53616912	9.3796	8.9793	-0.0629	0.776686
Trav12-3	chr14:53621656-53622243	5.4521	6.0401	0.1478	0.457108
Trav13-2	chr14:53634828-53635398	6.7816	5.7779	-0.2311	0.464224
Trav15-2-dv6-2	chr14:53649386-53649993	2.4149	2.0871	-0.2105	0.496767
Trav3-3	chr14:53665928-53666505	5.9132	6.3259	0.0973	0.658090
Trav9-4	chr14:53676140-53676629	5.4962	6.1015	0.1507	0.553029
Trav5-4	chr14:53704006-53704513	6.8059	5.3979	-0.3344	0.151327
Trav6-7-dv9	chr14:53709901-53710417	4.1305	5.6563	0.4536	0.108021
Trav7-6	chr14:53716715-53717290	4.5856	4.6764	0.0283	0.943625
Trav16	chr14:53743103-53743706	6.9071	5.4307	-0.3469	0.100263
Trav13-4-dv7	chr14:53757355-53757920	2.8505	2.6351	-0.1134	0.748762
Trav3-4	chr14:53776955-53777575	1.2016	1.2442	0.0502	0.880868
B230359F08Rik	chr14:53795359-53797832	1.5477	1.3639	-0.1823	0.296532
Trav17	chr14:53806524-53807113	5.8532	4.8534	-0.2702	0.226228
Trav19	chr14:53845233-53845826	7.2529	6.9012	-0.0717	0.745597
Trav21-dv12	chr14:53875983-53876751	10.1819	9.6106	-0.0833	0.813624
Trdv1	chr14:53881531-53882216	3.9923	5.6300	0.4959	0.426612
Trdv2-2	chr14:53960992-53961599	5.5383	4.2900	-0.3685	0.144427
Traj58	chr14:54157279-54157342	15.9435	13.7735	-0.2111	0.642672
Traj57	chr14:54158504-54158569	16.7326	14.2990	-0.2267	0.527520
Traj56	chr14:54159262-54159325	20.6352	15.9217	-0.3741	0.291555
Traj55	chr14:54161438-54161501	7.3745	7.6567	0.0542	0.920397
Traj54	chr14:54161989-54162043	13.3205	10.1189	-0.3966	0.609424
Traj53	chr14:54162643-54162709	22.5292	15.6939	-0.5216	0.101643
Traj52	chr14:54165315-54165381	25.5352	22.9674	-0.1529	0.694231
Traj51	chr14:54166238-54166281	28.2231	26.2141	-0.1065	0.842558
Traj50	chr14:54167589-54167652	13.7933	11.9890	-0.2022	0.566798
Traj49	chr14:54168685-54168744	14.8032	9.2581	-0.6771	0.214877
Traj48	chr14:54169808-54169868	33.1333	39.0100	0.2356	0.122822
Traj46	chr14:54172335-54172398	18.4106	13.9907	-0.3961	0.419185
Traj45	chr14:54172827-54172890	19.4482	14.8118	-0.3929	0.338450
Traj44	chr14:54173689-54173750	34.6402	32.8714	-0.0756	0.831104
Traj43	chr14:54174741-54174798	52.0583	35.3806	-0.5572	0.015224

Traj42	chr14:54175772-54175836	32.0766	26.7113	-0.2641	0.405348
Traj41	chr14:54176270-54176325	23.1276	24.5428	0.0857	0.659179
Traj40	chr14:54177920-54177981	52.4956	50.7833	-0.0478	0.673383
Traj38	chr14:54180573-54180635	29.6124	27.5587	-0.1037	0.695671
Traj36	chr14:54182401-54182464	53.0900	61.4313	0.2105	0.413203
Traj35	chr14:54183773-54183838	38.2021	32.8285	-0.2187	0.399615
Traj33	chr14:54185357-54185414	49.8281	48.6307	-0.0351	0.832901
Traj32	chr14:54186100-54186166	47.5757	51.0295	0.1011	0.602358
Traj30	chr14:54189865-54189924	33.4378	41.6129	0.3156	0.335011
Traj26	chr14:54194489-54194549	53.3773	75.7535	0.5051	0.028871
Traj25	chr14:54194814-54194871	45.1452	58.3248	0.3695	0.025957
Traj20	chr14:54199440-54199498	40.4391	52.8076	0.3850	0.225737
Traj16	chr14:54203133-54203194	53.8125	77.1300	0.5194	0.092033
Traj13	chr14:54205740-54205797	35.3805	51.5291	0.5424	0.217767
Traj8	chr14:54209917-54209954	56.4235	47.8893	-0.2366	0.484263
Traj5	chr14:54213776-54213838	28.1286	32.7953	0.2215	0.553867
Traj4	chr14:54216290-54216353	49.6463	53.2419	0.1009	0.590047
Traj1	chr14:54218813-54218840	56.4536	83.3820	0.5627	0.122959
Slc7a7	chr14:54369443-54409472	1.3307	1.5599	0.2293	0.146170
Mmp14	chr14:54431603-54441258	0.3591	0.3670	0.0311	0.947869
Ajuba	chr14:54567468-54577661	0.3160	0.1782	-0.8268	0.138836
Gm20726	chr14:54632328-54632781	4.1147	3.9929	-0.0433	0.841685
Ppp1r3e	chr14:54872668-54877550	1.1402	1.4378	0.3345	0.096416
Slc22a17	chr14:54906726-54913132	0.3816	0.5579	0.5480	0.063879
Rec8	chr14:55618036-55625395	0.9451	1.3937	0.5604	0.119599
Cideb	chr14:55754044-55758458	2.3928	2.8712	0.2629	0.324079
Gzmc	chr14:56231400-56234656	1.1302	1.0128	-0.1581	0.412539
Gzmb	chr14:56258855-56262260	1.7999	2.8401	0.6580	0.442744
C030013D06Rik	chr14:56733656-56734954	1.7798	2.5716	0.5309	0.039876
Gjb2	chr14:57098599-57104702	0.1870	0.2389	0.3536	0.630091
Ift88os	chr14:57506743-57510835	0.3018	0.2554	-0.2406	0.563635
Ska3	chr14:57806560-57826163	1.4499	1.3069	-0.1498	0.623895
Gm22738	chr14:57831062-57831209	5.7467	4.9459	-0.2165	0.558863
3110083C13Rik	chr14:57999322-58003695	0.6382	0.5467	-0.2234	0.679544
Phf11d	chr14:59347406-59365470	0.3973	0.5695	0.5192	0.074093
Gm16301	chr14:59414071-59414636	1.3859	2.2538	0.7015	0.200727
Atp8a2	chr14:59647530-60197179	0.3394	0.4369	0.3642	0.359163
Kcnrg	chr14:61607481-61611916	1.9814	2.2936	0.2111	0.680645
Gm27010	chr14:61625925-61627337	4.3121	4.0510	-0.0901	0.804471
Gm26916	chr14:61629483-61630414	4.3532	4.2867	-0.0222	0.950702
Gm27017	chr14:61648949-61667312	4.4856	4.8940	0.1257	0.570450
4931440J10Rik	chr14:62760500-62830126	3.6342	3.0963	-0.2311	0.050999
Gm26536	chr14:62836907-62838207	1.4299	1.1719	-0.2871	0.383692
Neil2	chr14:63182442-63193541	0.9581	1.1206	0.2261	0.393064
Xkr6	chr14:63606502-63820809	0.1393	0.2146	0.6240	0.373968
Esco2	chr14:65819037-65833994	0.7108	1.0898	0.6166	0.202498
Gm5464	chr14:66868849-66871005	1.5310	1.6369	0.0964	0.620744
Gnrh1	chr14:67745228-67749435	2.5311	2.4107	-0.0703	0.715059
Tnfrsf10b	chr14:69767471-69784403	0.9427	0.9547	0.0182	0.948284
Sorbs3	chr14:70180467-70207637	0.2336	0.2450	0.0686	0.879867
Gm26908	chr14:70205323-70217659	0.7836	1.0125	0.3697	0.077185
Piwil2	chr14:70372479-70429094	0.2165	0.2869	0.4060	0.268369
Gm16549	chr14:72589751-72603367	4.7775	4.8333	0.0167	0.958816
Cysltr2	chr14:73029127-73049114	1.2963	2.4145	0.8973	0.152721
Nudt15	chr14:73519863-73548242	0.5753	0.6353	0.1431	0.611301
Gm16409	chr14:73796540-73797290	2.5664	1.8855	-0.4447	0.013274
5031414D18Rik	chr14:75016026-75052532	0.2850	0.5108	0.8417	0.052890
Siah3	chr14:75455981-75526141	0.5482	0.6453	0.2353	0.629763
Gm4285	chr14:75843378-75844964	3.9735	4.5713	0.2022	0.459078
Snora31	chr14:75847904-75848034	29.7390	27.7322	-0.1008	0.695900
Ccdc122	chr14:77036771-77112257	0.1884	0.3035	0.6878	0.276427
Scel	chr14:103513340-103613346	0.0883	0.1058	0.2615	0.792388
Gm22877	chr14:103650452-103650557	34.7967	21.7713	-0.6765	0.035625
Gm16259	chr14:105292431-105292984	1.9176	2.6692	0.4771	0.185307
Mir92-1	chr14:115044426-115044506	4.5183	6.5890	0.5443	0.443921
Cldn10	chr14:118787870-118875489	1.2673	1.3232	0.0623	0.721584
Uggt2	chr14:118985038-119099430	0.1707	0.2150	0.3328	0.099512
Slc15a1	chr14:121459620-121505254	0.6855	0.4321	-0.6657	0.011250
Gm17082	chr14:122121552-122122643	0.9642	0.9798	0.0232	0.966281
Gm10232	chr17:3043883-3044750	1.3376	1.2336	-0.1168	0.484219
Gm15599	chr17:5110780-5112119	1.4537	1.6526	0.1850	0.531394

Zdhhc14	chr17:5492599-5753891	1.1327	0.9712	-0.2219	0.370261
Gm5812	chr17:6121207-6122164	2.1724	1.6249	-0.4190	0.059584
Dynlt1a	chr17:6310546-6317474	0.9845	0.8142	-0.2740	0.422984
Tmem181b-ps	chr17:6448039-6449571	1.0423	0.6534	-0.6737	0.058764
NA	chr17:6451887-6477102	5.6066	3.9198	-0.5164	0.052567
Dynlt1c	chr17:6601670-6609774	0.5676	0.4390	-0.3706	0.153676
Dynlt1f	chr17:6648940-6655939	5.0685	4.2703	-0.2472	0.274809
Rsph3b	chr17:6904715-6948356	0.8476	0.7155	-0.2445	0.439365
Rnaset2b	chr17:6978859-7011299	0.8377	0.8503	0.0216	0.937940
Rsph3a	chr17:7945652-7979824	0.8558	1.1196	0.3876	0.221005
Rnaset2a	chr17:8128609-8148097	2.9310	2.9057	-0.0125	0.956149
4930506C21Rik	chr17:8293365-8311080	1.7624	1.6694	-0.0782	0.740909
Gm16702	chr17:8379044-8389468	0.6712	1.0926	0.7030	0.290793
4732491K20Rik	chr17:12318884-12327250	0.4318	0.2969	-0.5402	0.078829
Gm16574	chr17:12818792-12819537	0.8654	0.9573	0.1457	0.762212
Gm7162	chr17:12819818-12820842	0.6585	0.9342	0.5046	0.275093
Gm26130	chr17:12919584-12919722	23.7764	29.7939	0.3255	0.054358
Snora20	chr17:12922789-12922917	9.6751	10.4758	0.1147	0.335453
Mllt4	chr17:13760538-13906150	0.4577	0.3025	-0.5977	0.055063
NA	chr17:14978863-14991577	0.7361	0.8581	0.2211	0.298601
Spaca6	chr17:17830718-17843009	0.5295	0.5913	0.1591	0.417567
Gm7535	chr17:17911038-17911947	1.2734	1.0989	-0.2126	0.415784
Gm26753	chr17:21485176-21488875	0.5379	0.8582	0.6740	0.149753
9330136K24Rik	chr17:21528193-21535878	0.8582	0.8502	-0.0135	0.964018
Gm10509	chr17:21690765-21691024	4.6887	5.8691	0.3239	0.437607
Gm10226	chr17:21691859-21692114	11.0186	12.7438	0.2098	0.455988
Zfp229	chr17:21730794-21769342	0.4533	0.3853	-0.2347	0.418129
Zfp820	chr17:21816875-21845759	0.2798	0.2659	-0.0740	0.820456
Gm7805	chr17:21964135-21964583	3.1982	3.4515	0.1100	0.718884
Zfp947	chr17:22144358-22166190	0.4936	0.4536	-0.1219	0.791239
Zscan10	chr17:23600855-23611019	1.3461	0.9281	-0.5365	0.015028
Ccdc64b	chr17:23660522-23668610	0.3640	0.3174	-0.1977	0.707335
Tnfrsf12a	chr17:23675446-23677449	3.0443	3.5034	0.2026	0.212769
Kremen2	chr17:23741199-23745829	1.0586	1.1347	0.1001	0.604265
D930048G16Rik	chr17:23790703-23794241	1.7239	1.8681	0.1159	0.650883
Mir5125	chr17:23823290-23823369	18.3522	24.2533	0.4022	0.132517
Tbc1d24	chr17:24175430-24205562	0.2617	0.2885	0.1409	0.416659
Caskin1	chr17:24488782-24508905	0.5159	0.5320	0.0443	0.747753
Rab26	chr17:24527240-24534210	1.1141	1.4694	0.3993	0.072285
Nthl1	chr17:24632681-24638838	2.1268	2.3598	0.1500	0.469136
Noxo1	chr17:24696233-24700529	1.2243	1.3530	0.1442	0.416663
Snhg9	chr17:24719530-24719965	4.7104	3.6320	-0.3751	0.479615
Snora64	chr17:24720771-24720905	19.5180	18.3688	-0.0875	0.776294
Rpl3l	chr17:24727819-24736143	0.3178	0.4666	0.5539	0.392398
Igfals	chr17:24878769-24882008	0.5593	0.6524	0.2220	0.648448
Tmem204	chr17:25057701-25081181	0.5766	0.6319	0.1321	0.728565
Gng13	chr17:25717170-25719406	0.7678	1.0701	0.4789	0.258211
Fam195a	chr17:25863697-25868738	1.7661	1.7292	-0.0304	0.921861
1700022N22Rik	chr17:25985814-25988469	1.2862	1.7930	0.4793	0.320920
Pdia2	chr17:26195998-26199087	0.7256	0.8508	0.2297	0.484741
Arhgdig	chr17:26196225-26207786	0.7562	0.9119	0.2702	0.037895
Gm16580	chr17:26269335-26270379	3.1153	2.3734	-0.3924	0.078243
Hba-ps4	chr17:26286362-26287061	3.6083	3.3494	-0.1074	0.649176
Neurl1b	chr17:26414828-26446349	0.1528	0.2334	0.6116	0.339094
Rps2-ps9	chr17:27784426-27785243	1.8314	2.0632	0.1720	0.518823
Tead3	chr17:28331670-28350805	0.1620	0.2037	0.3304	0.187892
Gm20109	chr17:28522380-28523148	2.8504	1.9967	-0.5135	0.130768
Slc26a8	chr17:28637782-28689987	0.0937	0.1289	0.4603	0.324852
4930539E08Rik	chr17:28896396-28915324	0.7731	0.6546	-0.2400	0.261569
Gm23887	chr17:28989976-28990148	7.7112	11.1888	0.5370	0.005369
Cpne5	chr17:29156549-29237797	0.1141	0.0868	-0.3951	0.055651
Fgd2	chr17:29360913-29379660	0.3948	0.6330	0.6812	0.203488
4833413E03Rik	chr17:31557125-31559113	0.8122	1.0429	0.3607	0.201443
NA	chr17:32285106-32285177	10.3319	9.7637	-0.0816	0.815638
Zfp870	chr17:32879227-32886083	0.3377	0.7039	1.0596	0.100951
Cyp4f41-ps	chr17:32950960-32965700	0.4916	0.3056	-0.6860	0.160705
Zfp422-rs1	chr17:33293836-33305745	5.4436	5.4184	-0.0067	0.956988
Angptl4	chr17:33773749-33781575	0.9530	0.7851	-0.2795	0.358624
BC033916	chr17:33905134-33906675	3.4107	5.2311	0.6170	0.391492
Mir219a-1	chr17:34024982-34025092	5.5556	3.0393	-0.8702	0.072815
BC051537	chr17:34083842-34095309	1.4835	1.5750	0.0864	0.767784

<i>H2-DMb2</i>	chr17:34143306-34151553	1.4202	2.2293	0.6505	0.021967
<i>H2-DMb1</i>	chr17:34153071-34160223	0.6376	1.2873	1.0137	0.020201
<i>Gm20506</i>	chr17:34249056-34250264	1.4824	1.7378	0.2293	0.494325
<i>H2-Eb2</i>	chr17:34325664-34340229	0.6665	1.3160	0.9815	0.272785
<i>Btnl2</i>	chr17:34354821-34369493	0.2077	0.1591	-0.3845	0.422676
<i>Btnl7-ps</i>	chr17:34532876-34547651	1.3318	1.6725	0.3286	0.284434
<i>Prrt1</i>	chr17:34629532-34633126	0.8125	0.7293	-0.1558	0.690774
<i>C4a</i>	chr17:34809091-34823464	0.1863	0.1993	0.0967	0.730459
<i>Cfb</i>	chr17:34856373-34862518	0.6300	0.6087	-0.0498	0.881519
<i>Gm20547</i>	chr17:34856411-34882042	0.5285	0.5185	-0.0277	0.939992
<i>C2</i>	chr17:34856411-34898265	0.5050	0.4814	-0.0689	0.820574
<i>Zbtb12</i>	chr17:34879482-34896842	1.5088	1.5941	0.0793	0.704434
<i>Hspa1l</i>	chr17:34972702-34979284	1.3646	0.9722	-0.4891	0.160466
<i>Gm10501</i>	chr17:34976898-34981788	1.7533	1.3320	-0.3965	0.203244
<i>Vwa7</i>	chr17:35016578-35026741	0.0874	0.1241	0.5062	0.194444
<i>Msh5</i>	chr17:35028604-35046745	0.4512	0.4912	0.1224	0.590341
<i>Ddah2</i>	chr17:35059034-35062095	0.5781	0.9286	0.6837	0.034773
<i>Ly6g5b</i>	chr17:35113947-35115428	1.3751	1.2513	-0.1362	0.536491
<i>Apom</i>	chr17:35128996-35132050	2.6117	2.8411	0.1214	0.454564
<i>Gm23442</i>	chr17:35162562-35162696	9.1979	13.2826	0.5302	0.027419
<i>Gm17705</i>	chr17:35165118-35167186	1.6025	1.4715	-0.1231	0.749185
<i>Lst1</i>	chr17:35185094-35188439	4.9740	5.1027	0.0369	0.878006
<i>Gm16181</i>	chr17:35220833-35224134	3.6332	2.5981	-0.4838	0.033639
<i>Gm22589</i>	chr17:35242677-35242754	16.6122	14.9636	-0.1508	0.573892
<i>Gm25128</i>	chr17:35247174-35247250	20.1037	20.0748	-0.0021	0.994623
<i>H2-Q2</i>	chr17:35342241-35346762	1.7340	1.7987	0.0528	0.861383
<i>H2-Q10</i>	chr17:35470088-35474563	0.6497	0.7159	0.1400	0.847071
<i>Gm4577</i>	chr17:35703895-35708244	0.8764	1.3752	0.6500	0.151346
<i>Ppp1r18os</i>	chr17:35860917-35866886	3.2935	3.3881	0.0409	0.692877
<i>Mir877</i>	chr17:35960729-35960814	8.3304	8.8585	0.0887	0.683154
<i>Gm7030</i>	chr17:36109718-36129425	2.3317	2.3261	-0.0035	0.987355
<i>BC023719</i>	chr17:36111425-36117121	3.4396	3.4559	0.0068	0.961193
<i>Gm9574</i>	chr17:36137187-36139105	2.0792	2.1575	0.0533	0.809732
<i>Gm8909</i>	chr17:36164442-36168537	1.4109	2.0476	0.5374	0.097881
<i>Trim15</i>	chr17:36860692-36867210	0.9114	1.2510	0.4569	0.067841
<i>Rnf39</i>	chr17:36942917-36947986	2.0978	2.1136	0.0108	0.955668
<i>Olfr755-ps1</i>	chr17:37276647-37278105	3.9123	4.4959	0.2006	0.353378
<i>Olfr756-ps1</i>	chr17:37285141-37286069	1.1846	1.7345	0.5501	0.181755
<i>Cyp39a1</i>	chr17:43667424-43751431	0.3488	0.3263	-0.0961	0.810260
<i>Clic5</i>	chr17:44188571-44280168	0.2633	0.3173	0.2690	0.442463
<i>Runx2</i>	chr17:44495986-44814797	0.3190	0.4994	0.6466	0.182212
<i>Gm16172</i>	chr17:45663518-45666209	5.0118	5.2306	0.0617	0.671280
<i>Vegfa</i>	chr17:46016992-46032377	0.3849	0.4942	0.3605	0.129271
<i>Gm26785</i>	chr17:46273478-46280060	0.6141	0.8604	0.4866	0.048805
<i>Gm5093</i>	chr17:46439577-46440099	0.9537	0.6388	-0.5780	0.340529
<i>Ttbk1</i>	chr17:46442447-46487675	0.0957	0.3005	1.6511	0.151570
<i>Gnmt</i>	chr17:46725663-46729168	0.5983	0.5732	-0.0617	0.926290
<i>A330017A19Rik</i>	chr17:46889215-46890405	0.9095	1.2502	0.4589	0.235313
<i>Gm23657</i>	chr17:46992622-46992916	4.1149	3.9751	-0.0499	0.887979
<i>Guca1b</i>	chr17:47385392-47392967	1.4859	1.1438	-0.3774	0.226629
<i>Tomm6os</i>	chr17:47687609-47691083	0.9632	1.0571	0.1341	0.554624
<i>Frs3</i>	chr17:47689029-47704286	0.5704	0.5029	-0.1815	0.365368
<i>Gm15556</i>	chr17:47922377-47923429	1.1911	1.7417	0.5481	0.052499
<i>Gm20540</i>	chr17:49427937-49429240	1.7008	2.1803	0.3584	0.004686
<i>Pp2d1</i>	chr17:53507459-53539451	0.6169	0.8374	0.4408	0.236477
<i>Gm16712</i>	chr17:55954770-55959381	0.7616	0.8642	0.1823	0.589572
<i>Gm16276</i>	chr17:56014282-56014544	5.6167	4.5723	-0.2968	0.544426
<i>Plin4</i>	chr17:56100590-56109802	0.4079	0.4235	0.0540	0.834064
<i>Plin5</i>	chr17:56111600-56117596	0.2536	0.2820	0.1532	0.793426
<i>Catsperd</i>	chr17:56628142-56664456	0.5401	0.6926	0.3589	0.375450
<i>Prr22</i>	chr17:56770275-56772134	0.5403	0.5731	0.0851	0.817886
<i>Rfx2</i>	chr17:56775896-56831008	0.8117	0.7963	-0.0277	0.892240
<i>Pspn</i>	chr17:56999456-57000018	1.9430	1.8781	-0.0490	0.923773
<i>Crb3</i>	chr17:57059104-57065918	0.7210	0.6783	-0.0882	0.687717
<i>Tnfsf9</i>	chr17:57105384-57107757	1.0977	1.2980	0.2418	0.570343
<i>C3</i>	chr17:57203969-57228136	0.2836	0.3108	0.1320	0.859416
<i>Trip10</i>	chr17:57249450-57263697	0.8306	0.8257	-0.0085	0.964964
<i>Emr1</i>	chr17:57358685-57483529	0.5139	0.8431	0.7142	0.240629
<i>4930405O22Rik</i>	chr17:63305445-63312973	1.5060	2.2728	0.5937	0.236630
<i>Gm17133</i>	chr17:64748849-64754096	8.6377	10.4710	0.2777	0.392329
<i>Myom1</i>	chr17:71019520-71126856	0.3377	0.3176	-0.0887	0.812588

<i>Spdya</i>	chr17:71552060-71589533	1.1330	1.1720	0.0488	0.832087
<i>Snord53</i>	chr17:71640878-71640956	31.8439	34.2564	0.1054	0.719793
<i>Gm9311</i>	chr17:73190257-73191685	0.6990	1.6939	1.2769	0.002941
<i>Nlrc4</i>	chr17:74426294-74459108	0.1742	0.2528	0.5374	0.233135
<i>Rasgrp3</i>	chr17:75435904-75529043	0.1073	0.2143	0.9973	0.049853
<i>Gm10093</i>	chr17:78491564-78493541	0.6426	0.8486	0.4013	0.169656
<i>Sult6b1</i>	chr17:78883937-78906992	1.6780	1.7426	0.0545	0.830496
<i>Gm17315</i>	chr17:79354698-79358022	1.1237	1.0222	-0.1366	0.627317
<i>Rmdn2</i>	chr17:79614899-79682152	1.5383	1.5279	-0.0097	0.961130
<i>Morn2</i>	chr17:80290211-80297473	0.5320	0.6691	0.3307	0.646541
<i>Arhgef33</i>	chr17:80307406-80388688	0.4448	0.4054	-0.1338	0.566947
<i>Cdkl4</i>	chr17:80523549-80563834	1.0320	0.8465	-0.2858	0.418869
<i>1110020A21Rik</i>	chr17:84954966-84957710	2.7157	2.9729	0.1306	0.728472
<i>Slc3a1</i>	chr17:85028346-85064243	0.9609	1.3163	0.4541	0.067613
<i>Camkmt</i>	chr17:85090725-85458139	1.6145	1.9178	0.2484	0.378725
<i>Gm10309</i>	chr17:86497731-86505232	0.4059	0.5520	0.4437	0.335486
<i>Gm5499</i>	chr17:87078262-87080230	0.6103	0.4831	-0.3370	0.419841
<i>Gm15978</i>	chr17:87329763-87332052	2.8284	3.1770	0.1677	0.385308
<i>Epcam</i>	chr17:87635978-87651106	1.4746	1.3252	-0.1541	0.647458
<i>2700099C18Rik</i>	chr17:94750099-94775132	1.1698	1.5761	0.4301	0.194814
<i>Gm26734</i>	chr17:94834905-94836642	0.8474	0.8984	0.0843	0.844524
<i>Mefv</i>	chr16:3707214-3718124	0.3608	0.9515	1.3991	0.030996
<i>NA</i>	chr16:3908856-3909192	7.2208	7.7865	0.1088	0.506108
<i>Gm15538</i>	chr16:3926427-3926740	3.5902	2.7347	-0.3927	0.472177
<i>Gm15539</i>	chr16:3927605-3928171	2.3771	2.3510	-0.0159	0.961010
<i>Gm15537</i>	chr16:3927788-3929357	4.0961	3.8628	-0.0846	0.737109
<i>Srl</i>	chr16:4480215-4541816	0.1908	0.2016	0.0791	0.737545
<i>Pam16</i>	chr16:4616463-4624988	1.4860	1.8975	0.3527	0.157717
<i>Gm15859</i>	chr16:4729868-4730809	1.9815	2.4846	0.3264	0.030602
<i>4930562C15Rik</i>	chr16:4835415-4867691	0.4118	0.3443	-0.2583	0.421725
<i>4930451G09Rik</i>	chr16:4968935-4978962	0.6896	0.7126	0.0475	0.881021
<i>Rogdi</i>	chr16:5008729-5013517	1.9860	2.2181	0.1594	0.448079
<i>Ppl</i>	chr16:5086290-5132481	0.2689	0.3702	0.4611	0.260331
<i>Gm15983</i>	chr16:5254785-5289621	0.4131	0.3807	-0.1179	0.420842
<i>Abat</i>	chr16:8513428-8621568	0.1918	0.2436	0.3450	0.247989
<i>Gm24814</i>	chr16:8738320-8738390	37.5421	23.8764	-0.6529	0.146477
<i>Gm15558</i>	chr16:10669247-10683539	0.4940	0.3996	-0.3061	0.546184
<i>Gm4262</i>	chr16:11008897-11015186	0.3857	0.3012	-0.3565	0.478754
<i>4930509G22Rik</i>	chr16:11178175-11192292	0.4964	0.4883	-0.0240	0.935414
<i>Mpv17l</i>	chr16:13903160-13949619	0.2109	0.2644	0.3265	0.124600
<i>Gm15950</i>	chr16:13919426-13921399	1.6562	1.8684	0.1740	0.381357
<i>Myh11</i>	chr16:14194526-14291408	0.0598	0.0853	0.5118	0.368611
<i>Gm15869</i>	chr16:14316073-14317285	3.6108	3.5062	-0.0424	0.838372
<i>Gm15585</i>	chr16:17092814-17096350	4.7167	5.5132	0.2251	0.186952
<i>Ccdc116</i>	chr16:17139063-17147229	0.6505	0.5525	-0.2355	0.336583
<i>Serpind1</i>	chr16:17331370-17343575	0.7488	1.1805	0.6567	0.097575
<i>Ccdc74a</i>	chr16:17646469-17650738	0.5794	0.7468	0.3662	0.405622
<i>Rpl26-ps4</i>	chr16:17711667-17712105	2.1831	1.5404	-0.5031	0.016336
<i>Tssk2</i>	chr16:17898636-17900023	0.8259	1.2505	0.5986	0.115172
<i>Prodh</i>	chr16:18060356-18090203	0.8385	0.6808	-0.3005	0.171598
<i>Gm15954</i>	chr16:18069213-18070362	2.4567	2.2737	-0.1117	0.615482
<i>Mir1306</i>	chr16:18284238-18284317	47.8353	48.4345	0.0180	0.925446
<i>Gm24572</i>	chr16:18284549-18284637	15.3259	14.5335	-0.0766	0.828411
<i>Gm15764</i>	chr16:18416681-18421997	2.5455	3.1291	0.2978	0.292568
<i>Gm16314</i>	chr16:18498900-18501658	4.2869	3.7901	-0.1777	0.421233
<i>NA</i>	chr16:18923072-18925657	2.9119	3.0220	0.0535	0.851114
<i>Igll2</i>	chr16:19198400-19200351	1.0991	1.3780	0.3263	0.746141
<i>Map6d1</i>	chr16:20233309-20241358	0.6376	0.9465	0.5699	0.094660
<i>Vwa5b2</i>	chr16:20589470-20605377	0.1939	0.1304	-0.5719	0.079005
<i>Camk2n2</i>	chr16:20619214-20621287	0.7768	0.7183	-0.1131	0.729583
<i>Gm4462</i>	chr16:20664115-20664607	2.4106	3.7007	0.6184	0.011960
<i>NA</i>	chr16:20677316-20677395	7.3591	8.2431	0.1636	0.721820
<i>Fam131a</i>	chr16:20693281-20703048	0.7076	1.0005	0.4997	0.080481
<i>Map3k13</i>	chr16:21891968-21931877	0.3096	0.2792	-0.1491	0.615508
<i>Gm6467</i>	chr16:21896505-21897116	1.0862	0.8695	-0.3211	0.488405
<i>Igf2bp2</i>	chr16:22059008-22163299	0.1489	0.2256	0.5994	0.159389
<i>Etv5</i>	chr16:22381308-22439719	0.3130	0.4060	0.3753	0.244608
<i>Dgkg</i>	chr16:22468460-22657221	0.0999	0.0842	-0.2465	0.670338
<i>Gm15746</i>	chr16:23197094-23198121	2.0083	2.2355	0.1546	0.649556
<i>Gm20319</i>	chr16:26714445-26755502	1.9645	1.9509	-0.0100	0.939864
<i>Tmem44</i>	chr16:30511854-30550842	0.1033	0.0863	-0.2593	0.551436

<i>Fam43a</i>	chr16:30599722-30602797	0.7849	1.1790	0.5869	0.428196
<i>Pigz</i>	chr16:31933850-31946046	0.9671	1.1168	0.2076	0.248220
<i>Gm25848</i>	chr16:32243711-32243855	7.8289	11.3639	0.5376	0.376427
<i>Tctex1d2</i>	chr16:32419701-32429099	0.3869	0.5240	0.4374	0.396161
<i>Tnk2os</i>	chr16:32665222-32668197	1.1735	1.0787	-0.1215	0.793278
<i>lqcg</i>	chr16:33015384-33056218	0.9226	1.2090	0.3900	0.054928
<i>Lmln</i>	chr16:33062520-33127695	0.4445	0.5354	0.2685	0.102797
<i>Slc12a8</i>	chr16:33517327-33664135	0.1658	0.3170	0.9353	0.113300
<i>Gm15658</i>	chr16:33770429-33787112	4.4205	4.7483	0.1032	0.609241
<i>Adcy5</i>	chr16:35154876-35305737	0.3947	0.4030	0.0300	0.934672
<i>Gm5963</i>	chr16:35573316-35573556	3.9603	3.4797	-0.1866	0.508124
<i>Gm26838</i>	chr16:35805946-35808946	1.0633	1.5809	0.5722	0.058784
<i>Cd86</i>	chr16:36603868-36666081	0.6308	1.1244	0.8338	0.030629
<i>lldr1</i>	chr16:36693977-36726804	0.3517	0.4614	0.3919	0.475257
<i>Gm8425</i>	chr16:36778833-36779602	1.6161	0.9038	-0.8385	0.028300
<i>NA</i>	chr16:36875140-36875638	1.6982	1.7742	0.0631	0.844805
<i>Fbxo40</i>	chr16:36963459-36990467	0.6197	0.6993	0.1745	0.497534
<i>D930030I03Rik</i>	chr16:38451981-38453493	3.0388	3.9667	0.3844	0.154062
<i>Cd80</i>	chr16:38458932-38486933	0.5700	1.2103	1.0863	0.112660
<i>Gm15953</i>	chr16:38512564-38514296	1.6887	1.6980	0.0079	0.979218
<i>Gm17103</i>	chr16:38569322-38573300	3.8769	4.8645	0.3274	0.026736
<i>Gm15530</i>	chr16:38685314-38685869	1.6551	1.9263	0.2189	0.669990
<i>B4galt4</i>	chr16:38742263-38769049	0.3253	0.4810	0.5645	0.039902
<i>Gm15712</i>	chr16:43184572-43185728	1.5751	1.7239	0.1303	0.645173
<i>Gm15711</i>	chr16:43312593-43313128	3.1826	3.3242	0.0628	0.747739
<i>Gm15713</i>	chr16:43410517-43420196	1.3639	1.6139	0.2428	0.312475
<i>Tigit</i>	chr16:43648860-43664184	1.3719	3.1108	1.1811	0.269524
<i>Zdhhc23</i>	chr16:43969077-43979093	2.4952	2.4721	-0.0134	0.952824
<i>Gm15591</i>	chr16:45736502-45737318	3.7489	4.2954	0.1963	0.275454
<i>Phldb2</i>	chr16:45746242-45953598	0.0550	0.0559	0.0233	0.958977
<i>Gm15518</i>	chr16:49758575-49798870	1.0558	1.2771	0.2745	0.297228
<i>5330426P16Rik</i>	chr16:50727965-50732743	3.7843	3.6123	-0.0671	0.803096
<i>Gm6767</i>	chr16:51362451-51363832	1.4517	1.5065	0.0535	0.690618
<i>Abi3bp</i>	chr16:56477845-56690128	0.3770	0.3484	-0.1135	0.692994
<i>Cmss1</i>	chr16:57302198-57606825	3.6663	3.7834	0.0454	0.846000
<i>Gpr15</i>	chr16:58717434-58718724	1.1437	1.7710	0.6308	0.289864
<i>Gm9581</i>	chr16:59558012-59600886	0.4844	0.7321	0.5959	0.230648
<i>Stx19</i>	chr16:62814675-62824346	0.6309	0.5865	-0.1054	0.793844
<i>Pros1</i>	chr16:62854306-62929346	0.4977	0.5760	0.2109	0.545698
<i>Btg3</i>	chr16:78359859-78377192	0.6949	0.7907	0.1862	0.546728
<i>Rps19-ps12</i>	chr16:79914459-79914889	1.5611	1.1656	-0.4214	0.373300
<i>Cyyr1</i>	chr16:85421532-85553397	0.0241	0.0257	0.0923	0.939287
<i>Gm2541</i>	chr16:85553232-85553943	0.3006	0.3205	0.0927	0.939287
<i>B130034C11Rik</i>	chr16:87495998-87504033	1.5484	1.4490	-0.0958	0.720012
<i>Gm17518</i>	chr16:90727511-90729120	0.6891	0.6958	0.0140	0.974834
<i>Gm15965</i>	chr16:90983906-90987237	1.0640	1.4139	0.4102	0.317506
<i>4931406G06Rik</i>	chr16:91044655-91056677	0.3505	0.4021	0.1980	0.793747
<i>4932438H23Rik</i>	chr16:91053934-91095122	0.2519	0.3555	0.4972	0.342997
<i>Gm15976</i>	chr16:91924437-91928635	2.9968	4.3713	0.5446	0.065273
<i>D430001F17Rik</i>	chr16:91931236-91962915	0.5520	0.4681	-0.2377	0.444096
<i>NA</i>	chr16:92078061-92083808	5.8882	8.1804	0.4743	0.138294
<i>Gm16310</i>	chr16:92094567-92096490	2.3853	2.3273	-0.0355	0.921328
<i>1700048M11Rik</i>	chr16:92308715-92312466	2.7175	2.9287	0.1080	0.725422
<i>Gm26626</i>	chr16:92612813-92620105	4.6131	4.9525	0.1024	0.698431
<i>2310043M15Rik</i>	chr16:93792149-93794888	1.0986	1.3076	0.2513	0.287870
<i>Gm15971</i>	chr16:94620376-94620587	8.4061	10.3544	0.3007	0.453890
<i>Gm15317</i>	chr16:96145475-96147584	1.4483	1.1824	-0.2926	0.517483
<i>Dscam</i>	chr16:96592078-97170752	0.1202	0.1780	0.5660	0.059255
<i>Tmprss2</i>	chr16:97564683-97611195	0.2257	0.3965	0.8128	0.197754
<i>1810055G02Rik</i>	chr19:3708332-3717881	1.1982	1.2371	0.0460	0.858667
<i>Gm16066</i>	chr19:3798614-3852419	2.6303	2.9494	0.1652	0.488286
<i>Aldh3b1</i>	chr19:3913492-3929761	1.5880	1.5751	-0.0117	0.941113
<i>Gm16312</i>	chr19:4000757-4001232	9.5915	7.8398	-0.2909	0.223452
<i>Cabp4</i>	chr19:4135424-4139609	0.3248	0.2267	-0.5190	0.336853
<i>Gm26115</i>	chr19:4215401-4215488	3.8404	1.0936	-1.8121	0.284155
<i>Lrfn4</i>	chr19:4611784-4615667	0.1987	0.2572	0.3721	0.606885
<i>Gm960</i>	chr19:4625840-4698668	0.1264	0.1466	0.2129	0.662152
<i>Sptbn2</i>	chr19:4711207-4752353	0.2032	0.2707	0.4137	0.105125
<i>Ccdc87</i>	chr19:4839365-4842528	0.1719	0.1560	-0.1399	0.838180
<i>Bbs1</i>	chr19:4886897-4906627	0.4940	0.4694	-0.0736	0.833514
<i>Slc29a2</i>	chr19:5024005-5031971	0.7199	0.5861	-0.2967	0.306787

<i>Rin1</i>	chr19:5050807-5057071	0.4130	0.3433	-0.2669	0.481554
<i>Cnih2</i>	chr19:5092870-5098418	2.9260	2.0854	-0.4887	0.163379
<i>Tsga10ip</i>	chr19:5390048-5394401	3.9315	4.1953	0.0937	0.788927
<i>Gm6293</i>	chr19:5415564-5415759	5.6255	8.8122	0.6475	0.169676
<i>Fosl1</i>	chr19:5447702-5455945	1.5522	1.3635	-0.1870	0.444202
<i>Efemp2</i>	chr19:5473972-5481853	1.0640	1.1380	0.0970	0.604936
<i>Kcnk7</i>	chr19:5704366-5707101	0.7476	0.9712	0.3775	0.073044
<i>Gm16538</i>	chr19:5727205-5731627	5.3019	6.5757	0.3106	0.197316
<i>Gm8034</i>	chr19:6044690-6044822	6.6010	6.6029	0.0004	0.998977
<i>BC048609</i>	chr19:6080032-6080788	5.4281	4.4928	-0.2728	0.042339
<i>Cdca5</i>	chr19:6084982-6091777	0.5691	1.1181	0.9742	0.082764
<i>Gm14963</i>	chr19:6268794-6276605	0.1254	0.1143	-0.1346	0.856665
<i>Flrt1</i>	chr19:7092013-7105729	0.1058	0.1386	0.3902	0.347012
<i>Rcor2</i>	chr19:7267324-7275225	0.6826	0.7158	0.0685	0.732487
<i>2700081015Rik</i>	chr19:7417624-7425904	0.4087	0.3739	-0.1284	0.487404
<i>Gm25855</i>	chr19:8723995-8724060	33.8224	44.6106	0.3994	0.045583
<i>Gm24453</i>	chr19:8724867-8724943	36.6527	38.6853	0.0779	0.700728
<i>Gm22680</i>	chr19:8725340-8725409	18.5690	29.6767	0.6764	0.148637
<i>Gm23246</i>	chr19:8725593-8725660	20.7900	32.7807	0.6570	0.029134
<i>1700092M07Rik</i>	chr19:8740717-8741225	3.0454	2.5486	-0.2570	0.391152
<i>Zbtb3</i>	chr19:8802529-8804854	1.7053	1.3375	-0.3505	0.154949
<i>Gm25822</i>	chr19:8888537-8888685	16.9954	13.6703	-0.3141	0.203653
<i>Gm9750</i>	chr19:9135156-9279175	0.1960	0.2225	0.1828	0.731815
<i>Pcna-ps2</i>	chr19:9283237-9284494	0.5427	0.4499	-0.2706	0.500088
<i>Best1</i>	chr19:9985173-10001633	0.4181	0.6250	0.5799	0.264290
<i>Myrf</i>	chr19:10208271-10240748	0.6295	0.5529	-0.1871	0.463550
<i>Ppp1r32</i>	chr19:10474256-10482897	0.9121	0.8281	-0.1394	0.624785
<i>Slc15a3</i>	chr19:10839726-10859362	0.1599	0.2887	0.8520	0.101029
<i>Ptgdr2</i>	chr19:10937159-10942511	0.6110	0.8583	0.4902	0.041300
<i>Ms4a1</i>	chr19:11250602-11266151	0.2790	0.6071	1.1218	0.182364
<i>Ms4a4d</i>	chr19:11536800-11558467	0.8706	1.4208	0.7067	0.079278
<i>Mpeg1</i>	chr19:12460778-12465284	0.2959	0.8745	1.5631	0.000358
<i>A330040F15Rik</i>	chr19:12585867-12596566	0.9651	1.0952	0.1825	0.647639
<i>Gna14</i>	chr19:16435666-16610818	0.7096	0.9541	0.4271	0.346869
<i>Gm8250</i>	chr19:18581454-18582228	1.5897	1.6691	0.0703	0.803766
<i>2410127L17Rik</i>	chr19:18670779-18704788	1.6987	1.7205	0.0184	0.919914
<i>Trpm6</i>	chr19:18749982-18892510	0.1214	0.2526	1.0568	0.107511
<i>Anxa1</i>	chr19:20373427-20390944	0.5988	0.8399	0.4882	0.248259
<i>Gm9493</i>	chr19:23619741-23620320	1.8858	1.1086	-0.7665	0.254825
<i>Gm6563</i>	chr19:23675843-23676712	2.7684	2.5028	-0.1455	0.558188
<i>Pip5k1b</i>	chr19:24294793-24555872	0.2371	0.2676	0.1749	0.750261
<i>Gm24252</i>	chr19:25166084-25166216	5.5706	7.4790	0.4250	0.200482
<i>Gm20616</i>	chr19:26620821-26623419	1.0733	0.9059	-0.2446	0.276944
<i>4931403E22Rik</i>	chr19:26768800-26823907	3.2709	4.1828	0.3548	0.013450
<i>Gm20407</i>	chr19:27994196-27995693	1.5435	1.6172	0.0673	0.807717
<i>Glis3</i>	chr19:28258850-28680077	0.1185	0.1218	0.0400	0.951853
<i>Gm5822</i>	chr19:28862329-28863707	1.8041	1.6926	-0.0921	0.264868
<i>4430402I18Rik</i>	chr19:28901267-28967800	0.3234	0.2910	-0.1523	0.738257
<i>Gm10136</i>	chr19:29003404-29003842	1.4415	1.7958	0.3171	0.404549
<i>Pdcd1lg2</i>	chr19:29410918-29471157	1.3981	2.0475	0.5504	0.286189
<i>2700046G09Rik</i>	chr19:32389215-32391184	0.6103	0.5891	-0.0509	0.928985
<i>Papss2</i>	chr19:32620004-32667187	0.7118	1.0440	0.5526	0.069251
<i>Rnls</i>	chr19:33137746-33392295	1.5601	1.5727	0.0116	0.951243
<i>Acta2</i>	chr19:34241089-34255336	1.3138	1.5996	0.2840	0.239602
<i>Pank1</i>	chr19:34810893-34879455	0.6170	0.5249	-0.2332	0.463067
<i>1500017E21Rik</i>	chr19:36614051-36705641	1.0600	0.9404	-0.1727	0.295693
<i>Fgfbp3</i>	chr19:36917549-36919615	1.4022	1.4694	0.0676	0.691911
<i>Cyp26c1</i>	chr19:37685580-37693398	0.4859	0.6051	0.3165	0.474527
<i>Cep55</i>	chr19:38055024-38074425	1.0577	1.6679	0.6571	0.016391
<i>Plice1</i>	chr19:38481108-38785030	0.0338	0.0451	0.4190	0.455578
<i>Gm27042</i>	chr19:40589434-40594862	2.9141	2.2369	-0.3815	0.111605
<i>Pik3ap1</i>	chr19:41274217-41385070	0.4495	0.8948	0.9932	0.076324
<i>Pgam1</i>	chr19:41911870-41918664	1.8201	1.6717	-0.1226	0.367691
<i>Loxl4</i>	chr19:42593981-42612813	0.6249	0.6834	0.1292	0.726904
<i>Pyroxd2</i>	chr19:42725857-42752775	1.2654	1.2775	0.0138	0.947657
<i>Gm16244</i>	chr19:42779031-42781454	0.7787	0.9094	0.2239	0.462815
<i>Gm6776</i>	chr19:43280797-43281697	1.8152	1.3271	-0.4519	0.244201
<i>Mir5114</i>	chr19:44303170-44303231	23.4038	31.7614	0.4405	0.382512
<i>Scd4</i>	chr19:44333091-44346743	0.2386	0.2226	-0.1005	0.837773
<i>Scd1</i>	chr19:44394450-44407709	0.0582	0.1472	1.3399	0.222516
<i>Wnt8b</i>	chr19:44493471-44514273	0.1922	0.2183	0.1839	0.761281

Lzts2	chr19:45015175-45027104	1.3383	1.0651	-0.3295	0.025261
Tmem180	chr19:46341120-46375252	0.6784	0.5690	-0.2536	0.478876
2010012O05Rik	chr19:46689905-46703382	1.6850	1.4634	-0.2034	0.295453
Usmg5	chr19:47083470-47090625	4.2499	5.6109	0.4008	0.141697
Gm16068	chr19:47606143-47617106	1.7771	3.0551	0.7817	0.150236
Col17a1	chr19:47646343-47692094	0.2214	0.1930	-0.1984	0.669616
Cfap43	chr19:47737560-47919287	0.3834	0.5440	0.5050	0.039789
Rpl13a-ps1	chr19:50030123-50030735	2.6516	2.1518	-0.3013	0.354000
Gm10197	chr19:53371565-53371766	12.6836	13.3234	0.0710	0.728808
Rbm20	chr19:53677305-53867080	0.0966	0.1928	0.9972	0.166269
Gm26874	chr19:57459571-57461553	0.6200	0.5255	-0.2386	0.513780
Hspa12a	chr19:58795750-58860984	0.3431	0.2341	-0.5515	0.410332
4930506M07Rik	chr19:58973357-59076069	0.2511	0.4910	0.9676	0.068417
Gm17203	chr19:59896240-59901062	0.3591	0.5375	0.5820	0.055163
4933412A08Rik	chr19:60226333-60227678	1.8618	1.2795	-0.5411	0.039756
Gm25238	chr19:60580528-60580617	44.2737	29.4447	-0.5884	0.005687
Eif3a	chr19:60761115-60790693	79.2994	89.8130	0.1796	0.078962
Gm26158	chr19:60775520-60775639	9.3615	9.7810	0.0632	0.753765
Gm15959	chr19:60815448-60815816	2.7065	2.9879	0.1427	0.680031
Gm26983	chr1:7136198-7136586	1.3595	1.6216	0.2543	0.710470
Adhfe1	chr1:9547947-9577970	0.2391	0.3580	0.5823	0.082304
Mybl1	chr1:9667414-9700209	0.4049	0.4621	0.1908	0.553795
Snord87	chr1:9942462-9942549	20.6340	22.9353	0.1525	0.649012
Gm26348	chr1:10166538-10166778	3.1382	3.5486	0.1773	0.513220
Rpl5-ps1	chr1:14865071-14865965	0.6144	1.0034	0.7077	0.325462
Sbspon	chr1:15853861-15892722	0.5051	0.7388	0.5486	0.055996
Ly96	chr1:16688455-16709605	1.5549	2.3556	0.5993	0.352522
Efhc1	chr1:20951625-20990838	0.3349	0.4759	0.5071	0.062479
Tmem14a	chr1:21218574-21230167	1.4041	1.6471	0.2304	0.310640
Gsta3	chr1:21240588-21265361	0.2439	0.3815	0.6454	0.236832
Gm7658	chr1:21511869-21513127	0.6010	0.4240	-0.5033	0.305185
Gm26580	chr1:21959841-21962530	0.9538	0.9788	0.0373	0.941240
Ogfrl1	chr1:23366423-23383175	0.2793	0.4090	0.5502	0.141852
NA	chr1:33669842-33670712	1.5779	1.3510	-0.2239	0.503690
Bag2	chr1:33745483-33757794	0.4499	0.4110	-0.1304	0.770324
Gm15455	chr1:33835898-33838914	0.3461	0.2529	-0.4524	0.005017
Gm26788	chr1:34165855-34178271	0.4788	1.0203	1.0916	0.175338
Fer1l5	chr1:36372290-36422110	0.7494	0.5139	-0.5442	0.094522
Vwa3b	chr1:37026595-37076996	0.3529	0.4362	0.3059	0.321797
4930439A04Rik	chr1:37329666-37334172	0.8124	1.0221	0.3314	0.400896
4930594C11Rik	chr1:37487192-37488982	1.3052	1.8752	0.5228	0.018192
2010300C02Rik	chr1:37611676-37720085	0.2416	0.3365	0.4780	0.106580
4930556I23Rik	chr1:37614258-37615372	1.1509	0.8002	-0.5244	0.455241
Gm16150	chr1:38235419-38246666	2.6265	3.6379	0.4700	0.066647
Gm16151	chr1:38307901-38311930	4.7787	5.6226	0.2346	0.217130
Gm16152	chr1:38384948-38393974	1.2157	1.6311	0.4241	0.421086
Gm23722	chr1:39573745-39573875	10.0033	11.7065	0.2268	0.480759
Il1r2	chr1:40084767-40125219	2.2258	3.3466	0.5884	0.492540
Il1r1	chr1:40225079-40316198	0.0705	0.1266	0.8436	0.475786
Il1r1	chr1:40429569-40465415	0.2594	0.3853	0.5705	0.294003
8430432A02Rik	chr1:43092587-43093835	1.2358	1.4816	0.2616	0.416189
Fhl2	chr1:43123073-43163961	1.1024	1.1608	0.0745	0.777534
Gm16103	chr1:43785909-43787188	0.4253	0.4595	0.1117	0.833272
Gm8251	chr1:44055951-44061936	0.6289	0.6402	0.0257	0.859289
Slc40a1	chr1:45908069-45925594	0.1615	0.1916	0.2466	0.769290
Gm3940	chr1:52090634-52091066	0.9456	1.3670	0.5317	0.236789
1700019D03Rik	chr1:52922323-52963260	0.2846	0.9496	1.7382	0.060800
Hecw2	chr1:53806881-54195168	0.0540	0.0378	-0.5145	0.285098
Gm24053	chr1:54769217-54769322	17.5912	21.5782	0.2947	0.129561
NA	chr1:55335366-55335883	2.0382	2.1145	0.0530	0.884665
Spats2l	chr1:57774161-57948394	0.2864	0.2761	-0.0525	0.902862
Tmem237	chr1:59100593-59120096	1.6657	1.6824	0.0144	0.944106
G730003C15Rik	chr1:59119832-59122139	0.6891	0.6599	-0.0626	0.886264
Mpp4	chr1:59120935-59163389	0.8046	0.7723	-0.0591	0.501003
Gm973	chr1:59516263-59634508	0.1950	0.2070	0.0862	0.826567
Gm26287	chr1:59704257-59704338	13.8609	12.2743	-0.1754	0.566169
Raph1	chr1:60483190-60567104	0.9324	1.4344	0.6214	0.183681
2310016D23Rik	chr1:60778842-60803790	2.8794	2.1818	-0.4002	0.385742
Gm11609	chr1:60792489-60793832	0.4726	0.5661	0.2602	0.705696
Rpl18-ps1	chr1:60900897-60901422	3.3777	3.1755	-0.0891	0.649506
Nrp2	chr1:62703284-62818695	0.2021	0.1800	-0.1666	0.696730

Gm26457	chr1:63178676-63178754	24.7790	24.6483	-0.0076	0.980078
Snora41	chr1:63179003-63179135	12.0330	13.9308	0.2113	0.206964
Gpr1	chr1:63182690-63214543	0.6562	0.4778	-0.4576	0.285008
Map2	chr1:66175272-66442583	0.0670	0.2423	1.8550	0.078529
Gm15789	chr1:66783912-66786445	1.8756	2.4613	0.3921	0.192833
Gm15793	chr1:66849107-66849602	1.4537	1.2135	-0.2606	0.386174
Gm5528	chr1:72004287-72004770	1.5453	1.3465	-0.1986	0.577013
Gm25360	chr1:72226239-72226430	19.1020	21.7143	0.1849	0.624056
D230017M19Rik	chr1:72236464-72274869	0.1443	0.2605	0.8518	0.045117
Gm25939	chr1:72255007-72255198	17.1098	19.9572	0.2221	0.696060
Pecr	chr1:72259166-72284314	0.6312	0.7932	0.3297	0.326879
Cxcr1	chr1:74191784-74194631	1.2739	1.2182	-0.0645	0.810950
Gpbar1	chr1:74278549-74279624	0.7004	0.7380	0.0754	0.875444
Mir26b	chr1:74394309-74394394	22.6251	19.6683	-0.2021	0.478476
Vil1	chr1:74409375-74435559	0.2423	0.2755	0.1851	0.586779
Slc23a3	chr1:75125543-75133890	0.5481	0.5113	-0.1001	0.812389
A630095N17Rik	chr1:75220094-75232093	0.5946	0.9280	0.6422	0.370415
Ptprn	chr1:75247040-75264208	0.2623	0.3489	0.4114	0.206733
Asic4	chr1:75450435-75474343	0.1391	0.0829	-0.7466	0.209795
Tmem198	chr1:75479531-75485705	0.6096	0.5687	-0.1001	0.795769
Ap1s3	chr1:79606875-79671972	1.1902	1.3185	0.1477	0.346958
Fam124b	chr1:80198705-80218473	0.5267	0.6186	0.2320	0.288690
Tm4sf20	chr1:82756648-82768461	1.0826	0.9420	-0.2007	0.556636
Gm16026	chr1:85266697-85285491	0.2048	0.2859	0.4813	0.097613
Gpr55	chr1:85939536-85961055	0.7471	1.0195	0.4486	0.247232
Snora75	chr1:86351168-86351301	11.0910	14.1657	0.3530	0.047520
Snord82	chr1:86356260-86356330	14.4928	24.2325	0.7416	0.048011
Gm6136	chr1:86908761-86909703	2.3002	1.9415	-0.2446	0.562121
Kcnj13	chr1:87386362-87394729	2.2268	2.7761	0.3180	0.137006
NA	chr1:87796466-87796817	3.6210	4.0090	0.1468	0.732463
Sh3bp4	chr1:89070414-89155068	0.0847	0.0995	0.2332	0.635915
Gm17090	chr1:91305091-91321101	6.8010	7.5243	0.1458	0.516238
Otos	chr1:92644217-92648841	0.3384	0.3171	-0.0939	0.861588
Ankmy1	chr1:92870128-92902906	0.4571	0.3490	-0.3893	0.201514
Gpr35	chr1:92973118-92986391	0.1723	0.3923	1.1868	0.006092
Pask	chr1:93308769-93343482	0.3914	0.4026	0.0409	0.834397
Gm17415	chr1:93421681-93422488	0.8126	0.6584	-0.3035	0.502384
Gm3531	chr1:97948900-97949389	5.4947	6.8546	0.3190	0.237090
B230216N24Rik	chr1:98031115-98057680	0.3260	0.5005	0.6185	0.199806
Gm3608	chr1:105455970-105458829	0.5414	0.6554	0.2757	0.192672
Gm22710	chr1:118459140-118459265	14.9961	14.1966	-0.0790	0.890478
Epb4.1l5	chr1:119545032-119649000	0.2338	0.2975	0.3474	0.051138
Gm15392	chr1:121489295-121493203	2.5667	2.0772	-0.3053	0.016279
Tmem163	chr1:127486545-127678096	0.4209	0.5537	0.3957	0.274085
Gm15790	chr1:129796607-129797858	0.7330	0.6032	-0.2810	0.399187
AA986860	chr1:130731975-130744621	0.2309	0.2059	-0.1651	0.627906
Faim3	chr1:130865668-130880790	0.3370	0.4984	0.5648	0.471379
Il10	chr1:131019844-131024974	1.1540	4.2380	1.8767	0.247231
Fam72a	chr1:131527902-131539872	0.5399	0.5952	0.1407	0.718107
Gm26892	chr1:132036804-132067945	0.5787	0.9099	0.6530	0.013862
Tmcc2	chr1:132356314-132391281	0.3778	0.3332	-0.1814	0.413651
6030442K20Rik	chr1:132466432-132477045	1.2022	1.5790	0.3933	0.085757
Cntn2	chr1:132509424-132542940	0.1090	0.1911	0.8107	0.170073
Plekha6	chr1:133246096-133303435	0.0992	0.1116	0.1698	0.524836
Ppfia4	chr1:134296782-134332928	0.1115	0.2078	0.8983	0.058321
Gm10535	chr1:135108960-135113378	0.7640	1.3012	0.7683	0.250134
Gm26280	chr1:135150665-135150766	3.9119	6.0016	0.6175	0.247302
Gm15445	chr1:135152962-135153806	2.3877	2.1549	-0.1480	0.629586
Gm4204	chr1:135232044-135233404	0.4734	0.7571	0.6775	0.002194
Nav1	chr1:135434579-135585355	0.0939	0.1596	0.7648	0.104856
Phlda3	chr1:135766118-135769136	1.0281	0.4583	-1.1656	0.056641
Lad1	chr1:135818597-135833341	0.8987	1.4146	0.6546	0.016219
Gm15850	chr1:136126177-136131183	0.4123	0.2920	-0.4977	0.362109
Gm26781	chr1:136259406-136274406	1.8529	2.7473	0.5683	0.012385
Klf14	chr1:136467957-136531511	0.2990	0.3870	0.3724	0.417835
Gm26598	chr1:136622097-136624650	0.3781	0.3798	0.0065	0.990338
Gm4258	chr1:137898594-138000384	2.0595	2.4652	0.2594	0.056035
NA	chr1:137928169-137930273	0.3163	0.5705	0.8507	0.305212
Gm26936	chr1:137928388-137969240	1.3040	0.8346	-0.6439	0.222483
NA	chr1:137932040-137933296	1.0644	2.2546	1.0828	0.041284
A430106G13Rik	chr1:137966530-137969918	0.6784	0.7013	0.0478	0.784036

<i>Z310009B15Rik</i>	chr1:138851978-138856854	5.6356	5.6963	0.0155	0.961088
<i>NA</i>	chr1:138977656-138979240	4.2239	3.6319	-0.2179	0.264360
<i>Gm16304</i>	chr1:139133890-139134665	2.3036	3.2595	0.5007	0.199683
<i>Gm15443</i>	chr1:149025227-149026047	2.1555	2.4537	0.1869	0.607684
<i>Rgl1</i>	chr1:152516758-152766351	0.2101	0.3152	0.5852	0.126989
<i>Nmnat2</i>	chr1:152955100-153119260	0.4760	0.5213	0.1312	0.596832
<i>E330020D12Rik</i>	chr1:153404826-153408429	0.8076	0.8457	0.0665	0.867717
<i>Shcbp1l</i>	chr1:153425161-153452574	0.1690	0.2458	0.5411	0.325640
<i>Rgs8</i>	chr1:153653024-153697667	0.0557	0.1406	1.3369	0.318343
<i>Teddm1a</i>	chr1:153891645-153893060	0.5306	0.4524	-0.2299	0.498833
<i>BC034090</i>	chr1:155212473-155232724	0.9444	0.6711	-0.4928	0.044016
<i>Axdnd1</i>	chr1:156323508-156421159	0.1418	0.1258	-0.1734	0.688782
<i>Gm10031</i>	chr1:156524091-156526659	1.2417	0.8981	-0.4674	0.142974
<i>Scarna3a</i>	chr1:159340282-159340422	8.8581	12.1735	0.4587	0.301155
<i>Mir1927</i>	chr1:160295863-160295972	6.4617	6.3969	-0.0145	0.964313
<i>Serpinc1</i>	chr1:160978605-161003010	0.3397	0.7174	1.0787	0.011755
<i>Mir5117</i>	chr1:161037355-161037439	25.2097	22.9073	-0.1382	0.643003
<i>Gm25789</i>	chr1:161038307-161038383	49.1326	44.7182	-0.1358	0.661112
<i>Tnfsf4</i>	chr1:161395408-161418410	0.5220	0.5021	-0.0561	0.893610
<i>Dnm3</i>	chr1:161982452-162478034	0.0583	0.0742	0.3477	0.394699
<i>Gm26685</i>	chr1:164503306-164514882	2.0693	1.5929	-0.3776	0.152904
<i>Xcl1</i>	chr1:164931643-164935527	0.7175	1.5217	1.0846	0.198611
<i>Gm15853</i>	chr1:166379838-166380493	3.4806	2.8902	-0.2682	0.316860
<i>Mgst3</i>	chr1:167371965-167393841	2.9059	2.4268	-0.2599	0.336644
<i>Nuf2</i>	chr1:169497933-169531464	0.9229	1.2764	0.4678	0.377241
<i>Gm26620</i>	chr1:170885064-170885881	3.6172	2.9237	-0.3071	0.110236
<i>Fcgr3</i>	chr1:171051173-171064935	0.6252	0.7215	0.2067	0.680594
<i>1700009P17Rik</i>	chr1:171113917-171126967	0.3524	0.2771	-0.3469	0.455991
<i>Fcer1g</i>	chr1:171229571-171234365	1.6268	2.9381	0.8528	0.045493
<i>Klhdc9</i>	chr1:171358445-171360798	1.4897	1.7622	0.2424	0.141013
<i>Pvrl4</i>	chr1:171370098-171388598	0.3120	0.4201	0.4294	0.174933
<i>NA</i>	chr1:171419032-171420352	4.4284	4.5695	0.0453	0.797076
<i>Gm24871</i>	chr1:171503047-171503163	31.2568	34.5489	0.1445	0.766112
<i>Cd244</i>	chr1:171559192-171585318	0.2691	0.5768	1.1002	0.025865
<i>Vangl2</i>	chr1:172000959-172028444	0.4281	0.4541	0.0851	0.576416
<i>Kcnj10</i>	chr1:172341209-172374085	0.1966	0.1548	-0.3448	0.038850
<i>Igsf9</i>	chr1:172481787-172498878	0.5603	0.6213	0.1492	0.537400
<i>4933439K11Rik</i>	chr1:172538132-172558129	0.7998	0.8144	0.0260	0.870038
<i>Dusp23</i>	chr1:172630768-172632974	1.5562	1.4706	-0.0816	0.744236
<i>Ijfi204</i>	chr1:173747292-173766876	0.7961	1.4408	0.8558	0.410622
<i>Kmo</i>	chr1:175620380-175662116	0.4078	0.8640	1.0833	0.005775
<i>Exo1</i>	chr1:175880777-175911396	0.4368	0.4049	-0.1094	0.716149
<i>B020018G12Rik</i>	chr1:175977776-175979114	0.9853	0.9261	-0.0894	0.770654
<i>Gm15423</i>	chr1:176927998-176932711	0.6295	0.8034	0.3519	0.398506
<i>Gm16585</i>	chr1:177786855-177787465	2.4809	2.8587	0.2045	0.423951
<i>NA</i>	chr1:178256102-178257295	0.6752	0.5348	-0.3363	0.352827
<i>Gm15480</i>	chr1:179538416-179538935	2.7096	2.8414	0.0685	0.875667
<i>Gm1305</i>	chr1:179695296-179745185	1.0908	1.0370	-0.0729	0.769551
<i>Cdc42bpa</i>	chr1:179960471-180165603	0.0696	0.0924	0.4100	0.179001
<i>Gm26004</i>	chr1:181840452-181840568	8.1153	14.0422	0.7911	0.011585
<i>Gm5533</i>	chr1:181851573-181853189	1.0058	0.8144	-0.3046	0.379357
<i>Gm10517</i>	chr1:182408618-182409020	2.2437	1.3000	-0.7874	0.012930
<i>Mir1981</i>	chr1:184822406-184822488	12.0579	19.4364	0.6888	0.290231
<i>Ptpn14</i>	chr1:189728267-189876695	0.1689	0.1428	-0.2417	0.475013
<i>Gm23153</i>	chr1:190482871-190483157	3.3219	2.9077	-0.1921	0.633443
<i>Vash2</i>	chr1:190947647-190979296	0.4881	0.7267	0.5741	0.174453
<i>Nsl1</i>	chr1:191063011-191084558	0.6557	0.7720	0.2356	0.220269
<i>Dtl</i>	chr1:191537364-191575534	0.5005	0.7589	0.6007	0.234742
<i>Nek2</i>	chr1:191821443-191833050	0.7197	0.8347	0.2138	0.619304
<i>Rd3</i>	chr1:191977372-191988282	0.1769	0.2817	0.6708	0.306487
<i>Gm26670</i>	chr1:191986831-191990138	0.6092	0.7554	0.3105	0.461304
<i>Gm10516</i>	chr1:192136897-192151013	0.4494	0.3144	-0.5153	0.274221
<i>4930570N18Rik</i>	chr1:193203038-193226208	3.0612	4.7732	0.6409	0.183595
<i>NA</i>	chr1:193207749-193254474	4.9217	5.1183	0.0565	0.861026
<i>G0s2</i>	chr1:193272160-193273188	2.4979	2.4737	-0.0140	0.941565
<i>Lamb3</i>	chr1:193301956-193343878	0.4896	0.6783	0.4703	0.122609
<i>Gm16897</i>	chr1:194955758-194976959	0.3471	0.4436	0.3538	0.409898
<i>Mir29c</i>	chr1:195037546-195037634	8.0611	6.6975	-0.2674	0.327149
<i>Bambi</i>	chr18:3507956-3516404	0.1193	0.1505	0.3362	0.269742
<i>Gm10557</i>	chr18:4198215-4198969	1.5681	1.1900	-0.3980	0.228156
<i>Gm16147</i>	chr18:5611557-5611836	3.9812	5.7018	0.5182	0.032866

Gm2531	chr18:10145452-10145965	6.7206	6.4793	-0.0528	0.717073
Gm15956	chr18:12193767-12198675	7.1561	7.1061	-0.0101	0.974162
Cabyr	chr18:12741323-12755146	0.2621	0.3032	0.2100	0.685339
Gm26407	chr18:12961498-12961805	2.7045	2.2947	-0.2371	0.669213
Hrh4	chr18:13006989-13022882	0.5842	0.5942	0.0244	0.966287
Gm10036	chr18:15832793-15833330	4.6226	4.3731	-0.0801	0.752730
Gm24959	chr18:20844446-20844592	9.2768	7.9842	-0.2165	0.486786
Zscan30	chr18:23970974-23981555	2.5907	2.7597	0.0912	0.775349
Gm7701	chr18:24257377-24258856	2.0847	2.2089	0.0835	0.794447
Mocos	chr18:24653690-24701556	0.6183	0.9815	0.6667	0.032980
Gm26823	chr18:31859081-31861764	0.7976	1.0922	0.4534	0.089212
Gm23639	chr18:33795163-33795295	11.1066	12.8811	0.2138	0.662454
4933408B17Rik	chr18:34579845-34597468	0.3866	0.5080	0.3938	0.341433
Lrrtm2	chr18:35209010-35215024	0.2074	0.2663	0.3605	0.392134
Mir1949	chr18:35554491-35554632	11.8934	16.7196	0.4914	0.205205
Spata24	chr18:35656689-35662186	1.4899	1.6781	0.1716	0.625441
1700066B19Rik	chr18:35703224-35730869	1.1400	1.1665	0.0331	0.929639
Cxxc5	chr18:35829817-35861687	1.2704	1.6191	0.3499	0.428622
Psd2	chr18:35964829-36014715	0.1908	0.2353	0.3026	0.533286
Nrg2	chr18:36017706-36197380	0.4388	0.5331	0.2809	0.414501
Cystm1	chr18:36345618-36402980	0.2563	0.2034	-0.3337	0.366585
Gm6542	chr18:36609957-36610729	3.6050	4.4094	0.2906	0.188251
Slc25a2	chr18:37637377-37638723	1.6858	1.9873	0.2374	0.195694
Arap3	chr18:37972623-37997574	0.1939	0.2396	0.3052	0.467673
1700086O06Rik	chr18:38238404-38250565	1.6565	1.6925	0.0310	0.861454
Gm10268	chr18:38244827-38245382	1.4254	1.5101	0.0834	0.785365
Gm23205	chr18:38297938-38298041	7.6196	10.5727	0.4726	0.301658
NA	chr18:38467866-38467933	5.8970	8.1583	0.4683	0.296323
Gm15336	chr18:39246246-39302690	0.7648	1.0296	0.4289	0.326536
Gm15337	chr18:39367037-39389425	0.3604	0.4452	0.3050	0.349733
Prelid2	chr18:41875695-41951194	1.7866	3.5565	0.9932	0.052243
Gm22697	chr18:42301889-42301952	19.6863	20.1824	0.0359	0.943680
Gpr151	chr18:42578019-42579652	1.9699	1.8725	-0.0732	0.679435
Mcc	chr18:44425060-44812182	0.2797	0.3137	0.1657	0.496278
Trim36	chr18:46165301-46212607	0.5587	0.6067	0.1188	0.499429
Cdo1	chr18:46713204-46728342	2.3984	1.9634	-0.2887	0.265346
Gm16283	chr18:49755793-49757189	4.8883	3.7923	-0.3663	0.105387
Gm27026	chr18:52472847-52473739	1.7194	1.8896	0.1362	0.743680
Zfp608	chr18:54888044-54990180	0.4157	0.5931	0.5127	0.050572
Gm24514	chr18:55622632-55622920	2.8822	3.2612	0.1782	0.708584
March3	chr18:56761715-56925548	0.2679	0.4243	0.6630	0.074307
Fbn2	chr18:58008622-58209926	0.0817	0.2699	1.7250	0.214061
Gm5970	chr18:60220842-60222058	1.6145	1.9032	0.2373	0.675478
F830016B08Rik	chr18:60293379-60303016	0.5043	0.8581	0.7668	0.363393
Smim3	chr18:60474192-60501983	0.4418	0.7570	0.7769	0.113210
Synpo	chr18:60593972-60660142	0.2290	0.4904	1.0988	0.054955
Gm8731	chr18:60778982-60779394	3.0130	3.8247	0.3442	0.308869
Mir5107	chr18:60812075-60812163	14.4004	29.2518	1.0224	0.022783
Pcyox1l	chr18:61696836-61707635	0.7610	0.8538	0.1660	0.615963
Gm9949	chr18:62180125-62184405	1.5600	1.7494	0.1653	0.581288
Alpk2	chr18:65265528-65393888	0.1055	0.0994	-0.0866	0.886851
B430212C06Rik	chr18:67321208-67344103	0.4379	0.5819	0.4103	0.147286
Cfap53	chr18:74283089-74359986	0.3377	0.4578	0.4389	0.178864
Myo5b	chr18:74440935-74771493	0.1758	0.1646	-0.0950	0.713942
Scarna17	chr18:74778390-74778469	21.9636	24.2230	0.1413	0.741095
Snord58b	chr18:75001057-75001123	8.0493	5.8798	-0.4531	0.406010
Gm23301	chr18:75001454-75001519	34.5022	40.9407	0.2468	0.200010
Gm26202	chr18:75001879-75001944	26.2535	35.5445	0.4371	0.224744
Gm20544	chr18:75365331-75367088	3.1525	3.2742	0.0546	0.805537
Ctif	chr18:75431223-75697696	0.1291	0.1840	0.5111	0.390378
Zfp516	chr18:82910878-83005314	0.4491	0.4871	0.1172	0.624764
Gm16146	chr18:84858635-84859547	5.1184	3.7561	-0.4465	0.069888
Eif3s6-ps2	chr18:90311824-90312043	17.0973	17.7050	0.0504	0.824136
Cdnf	chr2:3513029-3526376	0.8131	1.0246	0.3335	0.107586
Gm13185	chr2:3752985-3755177	2.0511	4.4231	1.1087	0.024620
Mcm10	chr2:4989713-5012791	0.3218	0.3016	-0.0931	0.805929
Optn	chr2:5020641-5064051	0.2909	0.4237	0.5425	0.197754
Gm13216	chr2:5603570-5604161	1.0772	0.8735	-0.3024	0.431427
Gm26315	chr2:7076093-7076414	9.5290	7.2176	-0.4008	0.013993
Gm13219	chr2:9352430-9447676	0.0872	0.0843	-0.0495	0.922722
Gm13256	chr2:9877255-9878869	4.7509	5.7643	0.2789	0.309426

NA	chr2:10047837-10049519	1.2471	1.5971	0.3568	0.202703
Gm26491	chr2:10475499-10475620	5.7116	3.1023	-0.8806	0.287071
Gm13293	chr2:11339488-11342612	2.5214	2.5768	0.0314	0.890049
Il2ra	chr2:11642791-11693191	0.2583	0.4163	0.6883	0.005161
Pter	chr2:12924040-13003453	0.3055	0.3289	0.1063	0.801616
Cubn	chr2:13276337-13491924	0.1018	0.1427	0.4870	0.381631
NA	chr2:13557847-13560324	0.3584	0.4706	0.3929	0.281947
Stamos	chr2:14070331-14073934	0.7867	1.3312	0.7588	0.031618
Cacnb2	chr2:14604305-14987908	0.0669	0.0919	0.4578	0.467125
Plxdc2	chr2:16356303-16755839	0.1870	0.3077	0.7189	0.060872
4930426L09Rik	chr2:18998342-18999801	1.8682	2.1343	0.1921	0.449220
Armc3	chr2:19199301-19310241	1.2049	1.0820	-0.1553	0.502718
Gm13346	chr2:19676710-19686157	0.3081	0.2091	-0.5597	0.104452
Gm13347	chr2:19677250-19678603	0.8150	0.5613	-0.5380	0.121428
Gm13375	chr2:20969053-20969997	0.4862	0.4393	-0.1465	0.785076
Gm13341	chr2:22587290-22587962	0.9080	0.9878	0.1215	0.777735
Gm13340	chr2:22588102-22589647	1.2031	1.6410	0.4478	0.077785
A130006I12Rik	chr2:22895320-22895736	2.5994	2.7262	0.0687	0.894213
Gm14441	chr2:22913292-22913832	0.8881	0.9460	0.0911	0.836415
Gm13357	chr2:23019130-23019667	2.3297	3.3548	0.5261	0.310939
Gm13423	chr2:23202032-23203683	2.5058	2.3646	-0.0837	0.782948
Il1rn	chr2:24336852-24351494	0.0951	0.1478	0.6358	0.422133
Gm13369	chr2:24993356-24994343	0.9447	0.8736	-0.1130	0.791052
Gm22572	chr2:25208622-25208727	7.3689	7.8165	0.0851	0.743887
Fam166a	chr2:25218744-25222280	2.8477	2.4601	-0.2111	0.141407
AA543186	chr2:25327449-25332571	1.1542	0.9822	-0.2329	0.526936
Sapcd2	chr2:25372320-25378213	0.2234	0.3893	0.8015	0.181012
Fut7	chr2:25423266-25426374	0.8013	0.9235	0.2046	0.754262
C8g	chr2:25498650-25501719	2.4604	1.9602	-0.3279	0.123562
Gm996	chr2:25575415-25580099	0.2082	0.1863	-0.1605	0.569379
Gm26702	chr2:25575430-25580099	0.2134	0.1910	-0.1605	0.569379
Tmem141	chr2:25620066-25622005	1.3748	1.0284	-0.4188	0.195196
A230005M16Rik	chr2:25705849-25709716	0.4172	0.9159	1.1347	0.022599
Bmyc	chr2:25706878-25707717	2.0527	3.5530	0.7915	0.026652
Gm13568	chr2:26457143-26458316	6.6399	9.2701	0.4814	0.206365
Egfl7	chr2:26580013-26593120	0.4004	0.2629	-0.0609	0.346187
Gm20532	chr2:26586638-26635634	1.4372	2.2876	0.6706	0.003876
Snora43	chr2:26637847-26637974	9.7496	7.5966	-0.3600	0.425989
Snora17	chr2:26639189-26639321	15.5535	14.6189	-0.0894	0.770510
Lcn4	chr2:26667673-26671282	4.1850	3.5131	-0.2525	0.034321
Gm23969	chr2:26911260-26911334	13.5978	21.6048	0.6680	0.219616
Gm22879	chr2:26912230-26912287	14.6525	16.8736	0.2036	0.561741
Gm24134	chr2:26912529-26912600	29.5858	28.0576	-0.0765	0.721538
NA	chr2:26912847-26912915	7.7943	16.9310	1.1192	0.011519
Slc2a6	chr2:27021362-27027998	0.8047	1.2284	0.6103	0.186286
Adamsl2	chr2:27079378-27108981	0.0730	0.0762	0.0620	0.919888
Sardh	chr2:27188392-27248337	0.6313	0.5759	-0.1324	0.699695
Sardhos	chr2:27189381-27234710	4.2166	3.1712	-0.4110	0.070824
Gm25541	chr2:27539804-27539930	6.2901	8.8090	0.4859	0.098553
Gm13421	chr2:27540425-27543362	1.5971	1.7248	0.1110	0.717876
Rpsa-ps9	chr2:28477165-28478050	3.0461	2.1842	-0.4799	0.142999
Gm13547	chr2:29759311-29768998	0.3192	0.2642	-0.2726	0.395310
Coq4	chr2:29787492-29797935	1.1834	1.0517	-0.1702	0.207012
Cercam	chr2:29869163-29882840	0.1931	0.1947	0.0120	0.970091
Gm23865	chr2:29931426-29931523	24.9279	32.6337	0.3886	0.101667
Wdr34	chr2:30031545-30048881	0.8030	0.7631	-0.0735	0.818464
Pkn3	chr2:30077683-30091022	0.4904	0.6341	0.3706	0.053657
NA	chr2:30237492-30238223	4.7944	3.4064	-0.4931	0.009461
Ier5l	chr2:30472647-30474199	0.3508	0.6624	0.9173	0.270267
Cstad	chr2:30595039-30608943	1.0916	1.5391	0.4957	0.186139
9330198N18Rik	chr2:30629654-30689210	0.7973	1.1654	0.5476	0.091173
1700001O22Rik	chr2:30794768-30803661	0.1275	0.2569	1.0109	0.134263
Gm13405	chr2:31209469-31211347	0.9836	1.7972	0.8696	0.038865
Ncs1	chr2:31245822-31295989	0.0919	0.1003	0.1266	0.816693
Hmcn2	chr2:31314414-31460738	0.1128	0.0867	-0.3796	0.086742
Gm13427	chr2:31676363-31688469	3.9652	3.0839	-0.3626	0.047223
Fibcd1	chr2:31813289-31846005	0.2514	0.1905	-0.3998	0.205950
Gm13608	chr2:31985058-31986464	1.7487	2.6190	0.5827	0.113739
Gm13609	chr2:32016643-32017344	5.5785	5.5006	-0.0203	0.940336
Dnm1	chr2:32308470-32353329	0.1953	0.2308	0.2412	0.626632
9430097D07Rik	chr2:32574183-32575684	0.6259	0.8174	0.3851	0.106455

<i>St6galnac6</i>	chr2:32599708-32620806	0.5390	0.7004	0.3778	0.168216
<i>Eng</i>	chr2:32646594-32682669	0.2096	0.3581	0.7727	0.086061
<i>Pthr1</i>	chr2:32775785-32777597	1.9926	2.2066	0.1471	0.598241
<i>1700019L03Rik</i>	chr2:32777380-32784428	0.7602	1.2433	0.7098	0.205162
<i>Stxbp1</i>	chr2:32787601-32847239	0.2471	0.3140	0.3456	0.463068
<i>Fam129b</i>	chr2:32876113-32925254	0.4041	0.4851	0.2634	0.464808
<i>Gm13536</i>	chr2:33446801-33449207	0.9495	0.4962	-0.9362	0.105803
<i>Gm13529</i>	chr2:33652388-33652798	2.1547	1.5104	-0.5126	0.288425
<i>Pbx3</i>	chr2:34171456-34373140	0.2118	0.2896	0.4509	0.405345
<i>Phf19</i>	chr2:34893756-34914026	0.6436	0.7020	0.1252	0.536596
<i>AI182371</i>	chr2:35084045-35101543	1.0020	1.2532	0.3228	0.310478
<i>Stom</i>	chr2:35313985-35336976	0.7327	0.9134	0.3180	0.359682
<i>Gm13443</i>	chr2:35340360-35341316	1.0023	1.0897	0.1206	0.728264
<i>Dab2ip</i>	chr2:35558265-35730994	0.1969	0.2716	0.4640	0.432431
<i>Tll11</i>	chr2:35751240-35979913	0.2564	0.1446	-0.8269	0.011472
<i>Crb2</i>	chr2:37776248-37799103	0.0661	0.0997	0.5927	0.381936
<i>Gm13588</i>	chr2:38490103-38490238	8.5450	5.3982	-0.6626	0.055419
<i>Nek6</i>	chr2:38511642-38588041	0.6378	0.7438	0.2220	0.406849
<i>Gm16523</i>	chr2:39161250-39161989	1.4900	1.3259	-0.1684	0.622122
<i>Gm13461</i>	chr2:41987472-41988829	4.4258	3.2846	-0.4302	0.026927
<i>Zeb2</i>	chr2:44983633-45117395	0.1099	0.2462	1.1634	0.059294
<i>Cacnb4</i>	chr2:52428319-52676831	0.1756	0.2279	0.3763	0.151948
<i>Gm13548</i>	chr2:52739070-52739455	2.6503	2.8288	0.0940	0.732698
<i>Nr4a2</i>	chr2:57106829-57124003	0.3234	0.4827	0.5777	0.214568
<i>A930012O16Rik</i>	chr2:57236226-57238508	0.7639	0.9479	0.3112	0.382867
<i>Gm13535</i>	chr2:57272563-57275686	0.3381	0.1444	-1.2277	0.176124
<i>Acvr1c</i>	chr2:58267452-58357895	0.1838	0.3152	0.7786	0.014457
<i>Ccdc148</i>	chr2:58821696-59160683	0.0859	0.0526	-0.7089	0.276956
<i>Gm13572</i>	chr2:60037140-60038837	1.5932	1.9328	0.2788	0.455530
<i>Gm13620</i>	chr2:60125095-60125819	2.0859	1.8039	-0.2096	0.653460
<i>Slc4a10</i>	chr2:62046461-62326730	0.4467	0.4945	0.1466	0.550701
<i>Gm13561</i>	chr2:62357070-62470913	1.4318	1.7624	0.2997	0.073991
<i>Gm13565</i>	chr2:62436879-62441142	0.7187	0.9477	0.3991	0.301181
<i>Gca</i>	chr2:62664284-62694109	0.1227	0.1458	0.2496	0.736901
<i>Cobll1</i>	chr2:65088338-65239403	0.2085	0.3701	0.8278	0.137696
<i>Spc25</i>	chr2:69193894-69206194	0.8225	1.1499	0.4834	0.141290
<i>Abcb11</i>	chr2:69238281-69342616	0.2714	0.3282	0.2745	0.090829
<i>Gm13622</i>	chr2:69737356-69737789	2.4170	2.9200	0.2727	0.386555
<i>Ccdc173</i>	chr2:69758032-69789575	1.2483	1.3176	0.0779	0.737312
<i>Myo3b</i>	chr2:70039125-70429198	0.1545	0.3989	1.3685	0.146754
<i>Gm26558</i>	chr2:70661247-70662108	5.1997	3.9236	-0.4063	0.072644
<i>Cybrd1</i>	chr2:71117922-71142926	0.2824	0.3448	0.2879	0.284333
<i>Dlx1as</i>	chr2:71516453-71537891	0.5140	0.5265	0.0347	0.929496
<i>Rapgef4os1</i>	chr2:72097602-72148796	1.9058	2.1627	0.1824	0.716846
<i>Rapgef4os3</i>	chr2:72244964-72248975	0.9489	1.2023	0.3414	0.311552
<i>Hspe1-ps5</i>	chr2:72955897-72956194	8.3302	9.4742	0.1856	0.534327
<i>Gm11084</i>	chr2:72971547-72986716	13.9585	15.4056	0.1423	0.719500
<i>Gm13709</i>	chr2:73370908-73379297	2.2577	3.6026	0.6741	0.124967
<i>Gm13707</i>	chr2:73421908-73429142	1.2318	1.2008	-0.0368	0.953868
<i>Gm13708</i>	chr2:73459704-73477602	6.7695	7.8497	0.2136	0.416506
<i>Chn1os3</i>	chr2:73596525-73616012	0.2037	0.6374	1.6456	0.187656
<i>Gm10822</i>	chr2:73892995-73900850	0.4040	0.4228	0.0657	0.845546
<i>Gm14425</i>	chr2:74855705-74856311	1.5954	1.0919	-0.5471	0.028078
<i>Gm24996</i>	chr2:75686739-75686838	7.7236	4.4954	-0.7808	0.002802
<i>Ttc30b</i>	chr2:75935862-75938462	0.7955	1.0165	0.3538	0.304222
<i>Ttc30a1</i>	chr2:75979105-75981967	0.9703	0.8561	-0.1805	0.520107
<i>Fkbp7</i>	chr2:76663043-76673116	0.7753	1.1179	0.5279	0.028096
<i>Gm13938</i>	chr2:76722775-76786708	2.2567	5.1927	1.2023	0.169781
<i>Gm13651</i>	chr2:77291330-77292440	0.3702	0.4938	0.4159	0.543415
<i>Gm13680</i>	chr2:83353156-83353949	2.1253	1.9874	-0.0968	0.741302
<i>Gm13684</i>	chr2:83737781-83759865	0.5573	1.1254	1.0140	0.044676
<i>Tfpi</i>	chr2:84432854-84476775	0.3252	0.4940	0.6029	0.188770
<i>Ube2l6</i>	chr2:84798827-84810335	1.0990	2.0030	0.8659	0.204762
<i>Slc43a1</i>	chr2:84838849-84863594	0.3044	0.3468	0.1878	0.647726
<i>Slc43a3</i>	chr2:84936578-84958509	0.7167	1.0560	0.5591	0.035672
<i>P2rx3</i>	chr2:84998582-85037462	0.9927	1.0407	0.0681	0.676923
<i>Gm1826</i>	chr2:87393482-87394644	1.5382	1.5731	0.0324	0.882362
<i>Rpl30-ps3</i>	chr2:90747615-90747963	8.0657	9.4887	0.2344	0.358391
<i>C1qtnf4</i>	chr2:90885859-90890525	0.8831	0.6134	-0.5258	0.197470
<i>Gm17661</i>	chr2:90917642-90917914	3.3356	5.3339	0.6772	0.030750
<i>Rapsn</i>	chr2:91035619-91045729	0.3488	0.1764	-0.9831	0.119084

Gm13778	chr2:91044091-91053933	0.6845	0.4002	-0.7744	0.310543
Spi1	chr2:91082389-91115756	0.4118	0.6866	0.7374	0.070552
Mybpc3	chr2:91118143-91136516	0.7631	0.9103	0.2545	0.352210
Nr1h3	chr2:91184060-91202834	0.9932	0.7542	-0.3971	0.040447
Gm13783	chr2:91195905-91202778	0.9090	1.2547	0.4650	0.330756
A330069E16Rik	chr2:91237145-91238352	0.8866	1.2348	0.4779	0.275505
Lrp4	chr2:91457510-91513779	0.0874	0.0760	-0.2004	0.577143
Gm13771	chr2:91641684-91641922	2.4390	2.7108	0.1524	0.722628
Gm13776	chr2:91716158-91717419	0.8096	0.8619	0.0903	0.779343
Chrm4	chr2:91922188-91929829	0.3966	0.5703	0.5240	0.193604
Mdk	chr2:91929804-91932297	2.5066	2.6877	0.1007	0.623259
Gm13786	chr2:92233104-92233437	5.5353	7.0744	0.3539	0.042437
Gm13785	chr2:92312153-92312843	1.5777	1.8311	0.2149	0.385892
Gylt1b	chr2:92365045-92374869	0.1934	0.1857	-0.0583	0.872438
1700029I15Rik	chr2:92382917-92385708	2.5078	2.6619	0.0860	0.758652
Mapk8ip1	chr2:92383675-92401263	0.5958	0.5801	-0.0387	0.914224
D930015M05Rik	chr2:92408891-92432308	1.7667	2.0642	0.2245	0.357646
4631405J19Rik	chr2:93027955-93044732	0.4062	0.6664	0.7143	0.013297
Tspan18	chr2:93201759-93334505	0.1534	0.2036	0.4090	0.343694
4921507L20Rik	chr2:93980033-93983575	1.2671	1.7395	0.4571	0.002692
Prr5l	chr2:101714284-101883027	0.4416	0.6102	0.4664	0.074174
Ldlrad3	chr2:101950202-102186385	0.0981	0.1174	0.2594	0.481891
Gm13919	chr2:102039628-102066725	1.7997	1.2661	-0.5074	0.046520
Ehf	chr2:103263432-103303278	0.1161	0.1872	0.6887	0.070351
4931422A03Rik	chr2:103966942-104028361	1.7052	1.7462	0.0343	0.821289
Gm10912	chr2:104065825-104067486	0.4227	0.6061	0.5199	0.252418
Mir1902	chr2:104428860-104428940	16.6522	18.5796	0.1580	0.600753
Tcp11l1	chr2:104657287-104712169	0.0668	0.0922	0.4660	0.419920
Pax6	chr2:105668895-105698410	0.0876	0.1185	0.4348	0.158700
Gm13910	chr2:108948779-108950727	1.9408	1.8680	-0.0552	0.227124
Gm13939	chr2:109902395-109913319	1.2674	1.8164	0.5193	0.043519
Gm13961	chr2:111182634-111187406	0.1148	0.0656	-0.8073	0.155966
Gm13940	chr2:112389196-112389497	2.8802	2.8583	-0.0110	0.978229
n-R5s202	chr2:112469252-112469366	8.2511	11.6206	0.4940	0.109097
BC052040	chr2:115581715-115778768	0.7452	0.9955	0.4179	0.001701
Thbs1	chr2:118111875-118127133	0.1156	0.1137	-0.0236	0.956114
A430105I19Rik	chr2:118754157-118762661	0.1223	0.1800	0.5570	0.047378
Gm14091	chr2:118829873-118834122	2.4485	2.5115	0.0366	0.895781
Chst14	chr2:118926496-118928585	1.4310	1.8288	0.3539	0.259919
Gm14137	chr2:119174508-119177575	0.9462	1.0971	0.2135	0.474013
Spint1	chr2:119237361-119249527	0.2439	0.5309	1.1223	0.062584
Oip5	chr2:119609511-119618469	1.3105	1.2648	-0.0512	0.773370
Gm13999	chr2:120024806-120027453	2.0227	1.8605	-0.1207	0.680023
Pla2g4f	chr2:120299956-120314165	0.2307	0.1682	-0.4560	0.327694
Epb4.2	chr2:121017890-121037072	0.0954	0.1380	0.5322	0.247918
Strc	chr2:121363727-121387168	0.2474	0.1915	-0.3695	0.606635
Catsper2	chr2:121392630-121413792	0.9458	1.1741	0.3120	0.004129
Ell3	chr2:121439009-121444278	0.4124	0.6275	0.6056	0.188830
Gm22953	chr2:121450669-121450770	42.0281	33.6566	-0.3205	0.145937
Gm14018	chr2:121485431-121491512	2.2208	1.1975	-0.8910	0.004237
Patl2	chr2:122120107-122186189	0.2257	0.1823	-0.3078	0.562430
Sord	chr2:122234748-122265340	1.4395	1.4080	-0.0319	0.910891
Duox1	chr2:122315671-122347972	0.1962	0.1905	-0.0430	0.875217
Gm14086	chr2:122427193-122427469	16.2753	14.4980	-0.1668	0.472415
4930417H01Rik	chr2:122702046-122721456	1.3528	1.2563	-0.1068	0.629524
Bloc1s6os	chr2:122733289-122738362	1.2229	1.2121	-0.0127	0.976210
Fam227b	chr2:125983482-126152004	0.5363	0.4816	-0.1552	0.655508
Hdc	chr2:126593666-126619299	0.2565	0.3276	0.3528	0.134020
Usp50	chr2:126709095-126783458	0.5768	0.6588	0.1919	0.593037
Gm14212	chr2:126864502-126865328	3.0290	2.4300	-0.3179	0.274901
1810024B03Rik	chr2:127186354-127208280	0.8897	0.9286	0.0618	0.827239
Astl	chr2:127338638-127357651	0.4494	0.5274	0.2308	0.410534
Gpat2	chr2:127425198-127436092	1.3412	1.3691	0.0297	0.900452
Bub1	chr2:127801121-127831865	0.6108	0.8369	0.4544	0.380781
Acox1	chr2:127838875-128123873	1.1142	1.0755	-0.0511	0.904168
AI847159	chr2:129158665-129180667	1.1779	1.4586	0.3083	0.289560
Gm14026	chr2:129168699-129170488	1.8160	1.4718	-0.3032	0.094477
Ckap2l	chr2:129268209-129297212	0.7268	1.1787	0.6976	0.058446
Il1b	chr2:129364569-129371139	0.6973	1.0961	0.6525	0.181683
Gm24451	chr2:130276236-130276369	10.0865	10.4671	0.0534	0.721440
Gm23187	chr2:130277194-130277280	27.2487	31.5106	0.2096	0.566840

Gm23650	chr2:130277696-130277766	13.5509	21.7251	0.6810	0.042721
Snord57	chr2:130278015-130278087	13.2338	20.1174	0.6042	0.043515
Lzts3	chr2:130632838-130642803	0.5680	0.6227	0.1325	0.575929
Slc4a11	chr2:130684112-130697519	0.3941	0.2708	-0.5414	0.204092
Gm14048	chr2:130880865-130882133	2.4738	2.9195	0.2390	0.243230
Gfra4	chr2:131039631-131043088	0.1566	0.4040	1.3670	0.084701
Hspa12b	chr2:131127279-131146321	0.1858	0.2478	0.4156	0.331286
Gm14232	chr2:131159536-131171342	1.6410	1.0596	-0.6311	0.220432
AV099323	chr2:132253356-132261333	1.0362	1.0393	0.0042	0.988896
Gm14097	chr2:132694431-132698523	1.9673	3.3097	0.7505	0.039078
Mcm8	chr2:132816140-132844197	0.7314	0.8565	0.2277	0.310165
MacroD2	chr2:140395308-142392966	0.0672	0.0583	-0.2052	0.615950
Klf16bos	chr2:142902964-142903572	2.4649	1.0155	-1.2793	0.069361
Gm11688	chr2:144261233-144261541	6.7270	6.6725	-0.0117	0.948428
Gm11701	chr2:144364126-144365627	0.6668	0.6346	-0.0712	0.832521
Gm11743	chr2:144756328-144758582	0.6643	0.6508	-0.0296	0.935517
Rin2	chr2:145784733-145887616	0.2070	0.5518	1.4147	0.005508
A930019D19Rik	chr2:146259285-146267160	0.6162	1.2854	1.0607	0.004580
Cd93	chr2:148436639-148443563	0.0537	0.0808	0.5911	0.310134
Napb	chr2:148693984-148732467	0.3275	0.4175	0.3505	0.186681
Zfp937	chr2:150218072-150240725	0.7312	1.1624	0.6689	0.021231
Gm14125	chr2:150305527-150306516	1.1138	1.1284	0.0189	0.944286
Gm10130	chr2:150323701-150363071	10.6033	11.2924	0.0908	0.596494
Zfp442	chr2:150407140-150451486	0.8612	1.0915	0.3419	0.194059
Gm14123	chr2:150606232-150610254	0.9919	0.9673	-0.0363	0.836708
Gm26681	chr2:150748280-150750762	2.2141	2.3301	0.0737	0.773910
Gins1	chr2:150905399-150931280	1.5595	1.3695	-0.1874	0.330815
Gm14167	chr2:151540730-151542348	2.1928	2.5821	0.2357	0.165050
Fam110a	chr2:151969397-151980219	1.9684	1.6322	-0.2702	0.258830
Srxn1	chr2:152105515-152111376	0.2820	0.5279	0.9047	0.411165
Gm14165	chr2:152353614-152354566	0.8325	0.6538	-0.3485	0.395304
Zcchc3	chr2:152411955-152415044	0.2787	0.1745	-0.6758	0.154309
Id1	chr2:152736250-152737410	0.5073	0.3027	-0.7450	0.089158
Ttll9	chr2:152962484-153008482	0.5956	0.6216	0.0616	0.781012
Hck	chr2:153108467-153151441	0.7135	1.0755	0.5922	0.037837
Nol4l	chr2:153407461-153529971	0.3681	0.4621	0.3281	0.173969
Gm14494	chr2:153826052-153826834	2.7765	2.2488	-0.3041	0.254035
Necab3	chr2:154544398-154558890	0.3612	0.2923	-0.3051	0.197886
E2f1	chr2:154559406-154569892	0.6428	0.8269	0.3634	0.137672
Rpl5-ps2	chr2:154703808-154704699	1.8471	2.1580	0.2245	0.386431
Gm14227	chr2:155198631-155199260	1.5616	1.3798	-0.1785	0.627810
Map1lc3a	chr2:155276296-155278073	2.1753	2.1405	-0.0233	0.879122
Gm14239	chr2:155459500-155460892	3.0621	3.8351	0.3247	0.094223
Gm20637	chr2:155546384-155546846	0.5395	0.4895	-0.1401	0.891563
Myh7b	chr2:155611211-155634307	0.4443	0.5716	0.3636	0.035826
Spag4	chr2:156065174-156070617	0.2365	0.1874	-0.3357	0.343862
Gm14252	chr2:156332316-156339381	0.3278	0.4549	0.4725	0.036255
Gm14253	chr2:156346803-156347997	1.8654	2.1796	0.2246	0.073291
Gm14168	chr2:156571791-156577457	0.8639	0.8974	0.0549	0.864430
4930405A21Rik	chr2:156714539-156720909	0.5864	0.6955	0.2460	0.516569
Gm14231	chr2:156789809-156790403	1.3252	1.1178	-0.2455	0.408587
Gm14230	chr2:156833048-156839892	3.3578	2.8563	-0.2334	0.203272
Gm14276	chr2:156994234-156994891	1.7060	2.0661	0.2763	0.266554
NA	chr2:157133905-157133972	10.4754	14.2261	0.4415	0.083439
Mroh8	chr2:157208549-157279549	0.5721	0.5115	-0.1616	0.378276
Src	chr2:157418443-157471862	0.1404	0.2148	0.6131	0.246058
Nnat	chr2:157560077-157562522	1.1518	1.2649	0.1350	0.749748
2410019O14Rik	chr2:157595582-157597320	0.6997	0.7252	0.0518	0.960038
Gm20412	chr2:158117153-158117905	1.5720	2.3088	0.5546	0.118049
Lbp	chr2:158306492-158332852	0.5231	0.3538	-0.5641	0.260774
Gm26003	chr2:158358359-158358472	9.6276	7.2882	-0.4016	0.431372
Gm23925	chr2:158359797-158359929	30.5569	25.7547	-0.2467	0.256160
Gm11447	chr2:160845612-160846470	0.4388	0.7685	0.8086	0.218987
Lpin3	chr2:160880669-160906002	0.1395	0.1385	-0.0101	0.989436
Mybl2	chr2:163054686-163084688	0.3526	0.4709	0.4176	0.270245
Tox2	chr2:163203124-163324170	0.2409	0.4641	0.9458	0.264558
0610039K10Rik	chr2:163644849-163645800	3.1568	3.4043	0.1089	0.706763
Pkig	chr2:163658385-163726158	0.4369	0.4552	0.0594	0.813284
Pabpc1l	chr2:164025449-164050538	0.3895	0.6017	0.6274	0.024532
Gm11455	chr2:164135702-164140419	1.6234	1.8104	0.1573	0.642376
Slpi	chr2:164354069-164389095	0.9263	1.0386	0.1652	0.536561

<i>Sdc4</i>	chr2:164424246-164443887	0.2411	0.3659	0.6017	0.397955
<i>Trp53tg5</i>	chr2:164470300-164473724	2.2409	2.1717	-0.0452	0.863311
<i>Gm22596</i>	chr2:164761658-164761974	2.4413	3.9148	0.6813	0.157663
<i>Ube2c</i>	chr2:164769897-164778822	0.6499	1.0303	0.6647	0.208144
<i>Spata25</i>	chr2:164826388-164828537	0.8250	1.0321	0.3231	0.338941
<i>Neurl2</i>	chr2:164830731-164833456	1.9054	1.8276	-0.0601	0.774090
<i>Slc12a5</i>	chr2:164960815-164999727	0.1453	0.2042	0.4904	0.147740
<i>BC046401</i>	chr2:165857683-165859034	1.7535	2.6048	0.5709	0.021935
<i>Gm17096</i>	chr2:166943538-166944308	4.5275	4.2509	-0.0910	0.624626
<i>Gm25878</i>	chr2:167063472-167063565	23.9891	20.9821	-0.1932	0.422829
<i>Gm23201</i>	chr2:167064997-167065086	40.0290	39.7242	-0.1110	0.947511
<i>Snord12</i>	chr2:167065275-167065365	34.9783	38.8552	0.1516	0.628520
<i>Gm11472</i>	chr2:167087183-167087739	1.0673	1.1515	0.1095	0.812048
<i>Kcnb1</i>	chr2:167103377-167190155	0.3322	0.2945	-0.1736	0.638639
<i>Gm11476</i>	chr2:167553313-167607845	0.5164	0.4128	-0.3232	0.558124
<i>Gm22355</i>	chr2:167644363-167644459	2.9756	2.3469	-0.3424	0.693170
<i>Gm14320</i>	chr2:167662108-167667697	1.3984	1.4619	0.0640	0.827172
<i>9230111E07Rik</i>	chr2:167782052-167783486	4.3776	4.4614	0.0274	0.879154
<i>Tshz2</i>	chr2:169633012-170071816	0.0663	0.2494	1.9109	0.064768
<i>Gm26883</i>	chr2:169633645-169888503	0.0939	0.3700	1.9784	0.055326
<i>Bcas1</i>	chr2:170346990-170427845	0.2052	0.1488	-0.4638	0.411039
<i>Gm14269</i>	chr2:170463513-170463819	6.9239	8.2926	0.2602	0.290673
<i>Gm16796</i>	chr2:170499356-170511927	0.2394	0.2691	0.1686	0.751797
<i>Gm14455</i>	chr2:172425803-172440560	0.8797	0.9608	0.1272	0.622212
<i>Fam209</i>	chr2:172472519-172474331	3.6479	3.2078	-0.1855	0.448367
<i>Nespas</i>	chr2:174281236-174295436	0.5487	0.6956	0.3421	0.446098
<i>Vmn1r-ps1</i>	chr2:174591229-174591802	0.8211	1.5373	0.9049	0.046635
<i>Gm14399</i>	chr2:175129492-175142012	0.9453	0.6951	-0.4435	0.069048
<i>Gm14305</i>	chr2:176708327-176721813	1.5583	1.3485	-0.2087	0.174175
<i>Gm14403</i>	chr2:177498214-177509763	0.8897	0.8142	-0.1280	0.817936
<i>Gm14326</i>	chr2:177935992-177957297	1.0320	1.2202	0.2418	0.237751
<i>Gm26869</i>	chr2:178023807-178028736	0.3879	0.4857	0.3244	0.187250
<i>Gm14292</i>	chr2:179177424-179177880	3.0912	3.7330	0.2722	0.434091
<i>Lama5</i>	chr2:180176372-180225859	0.2228	0.1905	-0.2260	0.479087
<i>Mir3091</i>	chr2:180257535-180257611	11.9996	11.0415	-0.1200	0.671637
<i>Slca4a1</i>	chr2:180456244-180474867	0.3691	0.2875	-0.3603	0.251195
<i>Gm14341</i>	chr2:180954463-180966812	1.7973	1.4511	-0.3086	0.427262
<i>Srms</i>	chr2:181205561-181213185	0.3694	0.3217	-0.1996	0.502788
<i>C030034L19Rik</i>	chr3:9403063-9437233	0.2967	0.6234	1.0710	0.189644
<i>Gm16337</i>	chr3:9757606-9786142	1.5151	1.7755	0.2288	0.567249
<i>Gm24786</i>	chr3:9829619-9829728	19.7667	20.0066	0.0174	0.955899
<i>Fabp5</i>	chr3:10012547-10016607	0.7157	0.8061	0.1717	0.515600
<i>Gm9833</i>	chr3:10088172-10092564	0.3094	0.2442	-0.3412	0.479290
<i>Gm17119</i>	chr3:14564401-14564681	5.1030	5.4854	0.1043	0.739589
<i>Cpa3</i>	chr3:20215616-20242181	0.8253	0.6589	-0.3248	0.427717
<i>Gm7488</i>	chr3:21049444-21050525	0.3833	0.4693	0.2921	0.583152
<i>Fndc3b</i>	chr3:27416161-27710439	0.1331	0.2105	0.6621	0.250026
<i>4933429H19Rik</i>	chr3:30793137-30793560	1.8001	1.3393	-0.4266	0.265450
<i>Gm7741</i>	chr3:35863876-35864865	1.2174	1.3145	0.1107	0.624015
<i>Gm15952</i>	chr3:35933044-35942717	1.0076	1.3729	0.4462	0.102604
<i>Mccc1os</i>	chr3:35999832-36025106	0.5243	0.4840	-0.1154	0.321351
<i>1810062G17Rik</i>	chr3:36475936-36482299	1.7152	1.5190	-0.1753	0.557185
<i>Bbs7</i>	chr3:36573141-36613477	0.2821	0.3506	0.3135	0.500553
<i>Gm12534</i>	chr3:37231332-37232469	2.1884	5.6846	1.3772	0.215711
<i>Gm7799</i>	chr3:37959611-37960087	0.8280	1.2994	0.6502	0.306431
<i>Gm9845</i>	chr3:39357393-39359128	0.6978	0.5006	-0.4790	0.108126
<i>Intu</i>	chr3:40531285-40704774	0.3189	0.3095	-0.0432	0.870970
<i>1700034I23Rik</i>	chr3:40900199-40902501	0.4403	0.5517	0.3254	0.283969
<i>Larp1b</i>	chr3:41021938-41040234	0.1445	0.1746	0.2728	0.522633
<i>4930577N17Rik</i>	chr3:51277570-51279805	1.8813	1.6839	-0.1599	0.695435
<i>P2ry14</i>	chr3:59114625-59130624	1.9398	2.2085	0.1871	0.422370
<i>Gm5538</i>	chr3:59729785-59752397	0.8246	1.0980	0.4132	0.252955
<i>P2ry1</i>	chr3:61002794-61008979	0.2043	0.2567	0.3294	0.150837
<i>Arhgef26</i>	chr3:62338343-62462221	0.4412	0.4909	0.1542	0.529641
<i>Kcnab1</i>	chr3:65109383-65378223	0.3845	0.4028	0.0669	0.722176
<i>4931440P22Rik</i>	chr3:65507256-65529379	0.6449	0.6363	-0.0192	0.924482
<i>Gm20689</i>	chr3:68900170-68900449	4.0825	4.5068	0.1426	0.539420
<i>Gm18588</i>	chr3:68902266-68902758	5.3600	5.1175	-0.0668	0.762980
<i>Mir15b</i>	chr3:69009755-69009853	25.2456	37.8884	0.5857	0.086769
<i>Mir16-2</i>	chr3:69009901-69009996	7.9848	13.7753	0.7868	0.056564
<i>Gm1647</i>	chr3:69131232-69157177	1.5741	1.8745	0.2519	0.261272

<i>Fnip2</i>	chr3:79455970-79567796	0.1295	0.1595	0.3002	0.342705
<i>Tmem144</i>	chr3:79813147-79842662	0.3604	0.3244	-0.1516	0.769003
<i>Gucy1b3</i>	chr3:82032003-82074711	0.5666	0.7982	0.4944	0.257403
<i>Gucy1a3</i>	chr3:82092427-82145877	0.6469	0.9862	0.6083	0.009759
<i>Map9</i>	chr3:82358071-82395268	0.1877	0.1859	-0.0142	0.976788
<i>Fhdcl</i>	chr3:84444034-84480429	0.4824	0.6526	0.4360	0.328432
<i>NA</i>	chr3:84965055-84965580	6.2335	6.5281	0.0666	0.628988
<i>Fam160a1</i>	chr3:85660060-85746266	0.2231	0.5615	1.3313	0.082712
<i>Rnu73b</i>	chr3:86140617-86140688	39.9743	41.6366	0.0588	0.889193
<i>Mab21l2</i>	chr3:86545580-86548283	0.8782	1.3479	0.6181	0.112934
<i>Cd1d2</i>	chr3:86986585-86989533	0.6644	0.9376	0.4969	0.386033
<i>Fcrl1</i>	chr3:87376386-87392133	0.9917	1.4721	0.5698	0.138512
<i>Iqgap3</i>	chr3:88082050-88121048	0.2436	0.2199	-0.1482	0.853897
<i>NA</i>	chr3:88242873-88287210	0.7457	0.8191	0.1354	0.637971
<i>Tsacc</i>	chr3:88282756-88296999	3.1568	2.9874	-0.0796	0.686499
<i>Tmem79</i>	chr3:88328654-88334504	0.8086	0.9989	0.3048	0.198732
<i>Rab25</i>	chr3:88542028-88548300	0.2733	0.2696	-0.0197	0.968596
<i>Gm20652</i>	chr3:88616456-88621061	3.2136	2.9748	-0.1114	0.631930
<i>Rxfp4</i>	chr3:88651897-88653142	0.6851	0.8028	0.2288	0.635882
<i>Gm25820</i>	chr3:88693930-88694057	17.3400	16.5134	-0.0705	0.751523
<i>Gm25945</i>	chr3:88707157-88707292	4.7227	5.5658	0.2370	0.661220
<i>Gm22935</i>	chr3:89097909-89098013	4.7096	3.2170	-0.5499	0.428866
<i>Hcn3</i>	chr3:89146073-89160196	0.4016	0.4247	0.0807	0.825520
<i>Thbs3</i>	chr3:89215179-89226837	0.4533	0.5506	0.2805	0.385401
<i>Trim46</i>	chr3:89234176-89246309	0.9481	0.8821	-0.1041	0.538281
<i>Efn4</i>	chr3:89333389-89338028	0.4446	0.3824	-0.2175	0.396729
<i>4731419I09Rik</i>	chr3:89337849-89347831	1.0626	1.1259	0.0836	0.455920
<i>Gm10702</i>	chr3:89353628-89354898	0.9954	0.9546	-0.0603	0.740806
<i>Cks1b</i>	chr3:89415471-89418383	2.5949	3.0442	0.2304	0.286623
<i>Rps27</i>	chr3:90212724-90213615	12.8916	17.2236	0.4180	0.029196
<i>Creb3l4</i>	chr3:90237499-90243512	0.4596	0.7618	0.7292	0.112510
<i>Slc27a3</i>	chr3:90385238-90389938	0.3748	0.4623	0.3026	0.444801
<i>S100a1</i>	chr3:90511033-90514392	1.7810	1.5793	-0.1734	0.501657
<i>Gm9774</i>	chr3:92428065-92429423	1.7955	1.1256	-0.6737	0.100551
<i>Gm4202</i>	chr3:92689424-92690163	1.1507	1.1306	-0.0255	0.939682
<i>Rplp0-ps1</i>	chr3:93278140-93279073	0.8234	0.8316	0.0144	0.972615
<i>Rorc</i>	chr3:94372793-94398276	0.3744	0.2117	-0.8227	0.076042
<i>Tdrkh</i>	chr3:94413295-94432633	0.8512	0.8666	0.0259	0.924689
<i>Celf3</i>	chr3:94478830-94492193	0.4234	0.8434	0.9942	0.069456
<i>Tuft1</i>	chr3:94612756-94658872	1.0160	1.1367	0.1619	0.626760
<i>Tmod4</i>	chr3:95124475-95129209	1.6203	1.5373	-0.0759	0.710061
<i>Sema6c</i>	chr3:95160456-95174024	0.2637	0.3005	0.1885	0.686601
<i>Bnpl</i>	chr3:95241270-95251193	0.7871	0.9460	0.2652	0.333736
<i>Gm5070</i>	chr3:95410345-95411176	0.6588	0.8364	0.3444	0.668664
<i>Ctsk</i>	chr3:95499285-95509362	0.5255	0.5968	0.1835	0.318768
<i>Hmgb1-ps5</i>	chr3:95530417-95530974	2.3428	3.0815	0.3954	0.150610
<i>Gm26594</i>	chr3:95855965-95861485	0.5243	0.9283	0.8241	0.082122
<i>C920021L13Rik</i>	chr3:95871521-95889093	0.3957	0.3697	-0.0980	0.847127
<i>Clart</i>	chr3:95878502-95882251	1.2634	1.2601	-0.0037	0.985082
<i>Car14</i>	chr3:95897767-95904691	1.3498	1.5630	0.2115	0.297723
<i>Gm15444</i>	chr3:96209626-96220168	6.8161	6.1633	-0.1452	0.641141
<i>Gm20632</i>	chr3:96239392-96241819	1.7059	1.5314	-0.1556	0.506783
<i>Gm20634</i>	chr3:96245553-96248509	0.7558	0.6303	-0.2620	0.346136
<i>Hist2h3c1</i>	chr3:96246684-96248509	0.9722	0.8156	-0.2535	0.472809
<i>Gm21960</i>	chr3:96412909-96413361	3.3539	4.0459	0.2706	0.192101
<i>Gm16253</i>	chr3:96576983-96580663	5.4295	5.3714	-0.0155	0.960204
<i>Lix1l</i>	chr3:96601132-96625352	1.4391	1.4738	0.0344	0.895284
<i>6330549D23Rik</i>	chr3:96606658-96629820	0.7634	0.8746	0.1962	0.054363
<i>Nudt17</i>	chr3:96705891-96708560	0.5510	0.7048	0.3552	0.212308
<i>Gm22581</i>	chr3:96724264-96724400	6.9492	5.1521	-0.4317	0.206158
<i>Pdzk1</i>	chr3:96829283-96870926	1.0031	1.0121	0.0129	0.948999
<i>Gm17608</i>	chr3:97284907-97297778	2.3070	2.3507	0.0271	0.904227
<i>M6pr-ps</i>	chr3:99500023-99502645	0.1980	0.1701	-0.2192	0.705273
<i>Gm12474</i>	chr3:100489663-100523920	2.0722	2.7314	0.3984	0.023677
<i>Tspan2</i>	chr3:102734528-102772292	0.4664	0.7103	0.6068	0.097563
<i>Olfml3</i>	chr3:103722221-103738001	0.6814	0.7659	0.1687	0.562674
<i>Gm10964</i>	chr3:103739365-103746376	9.9126	7.2316	-0.4549	0.068885
<i>Gm15602</i>	chr3:103902526-103902963	1.9656	2.4993	0.3465	0.309452
<i>Fam19a3</i>	chr3:104767405-104781840	0.7672	0.5204	-0.5599	0.087127
<i>Rhoc</i>	chr3:104789010-104794459	1.5652	1.8173	0.2155	0.357285
<i>Wnt2b</i>	chr3:104944804-104961709	0.6515	0.8706	0.4183	0.051437

<i>I830077J02Rik</i>	chr3:105925890-105932664	0.6375	1.4032	1.1383	0.108225
<i>Pifo</i>	chr3:105996956-106014646	3.1201	2.3798	-0.3908	0.439421
<i>Chil3</i>	chr3:106147553-106167564	0.3684	0.3818	0.0514	0.950403
<i>Gm27008</i>	chr3:106934381-107093894	0.7933	0.8127	0.0349	0.889198
<i>A930002I21Rik</i>	chr3:107090879-107098401	1.9112	1.6842	-0.1824	0.584004
<i>Gstm1</i>	chr3:108012254-108017973	0.4753	0.5274	0.1500	0.513441
<i>Gstm4</i>	chr3:108040407-108044894	0.8973	1.7233	0.9416	0.025644
<i>Gm12500</i>	chr3:108085975-108088009	0.8386	0.4938	-0.7642	0.148359
<i>Sypl2</i>	chr3:108211471-108226648	0.0999	0.1190	0.2530	0.703833
<i>Sort1</i>	chr3:108284090-108361511	0.1673	0.2938	0.8123	0.056685
<i>Psrc1</i>	chr3:108383838-108388231	0.6358	0.3840	-0.7275	0.032815
<i>5330417C22Rik</i>	chr3:108455693-108536526	0.0759	0.1281	0.7556	0.317604
<i>Fndc7</i>	chr3:108853677-108890008	0.0780	0.1148	0.5577	0.299667
<i>Henmt1</i>	chr3:108940083-108960773	0.5001	0.9375	0.9067	0.000725
<i>Vcam1</i>	chr3:116110019-116129688	0.0888	0.2335	1.3946	0.153368
<i>Fnbp1</i>	chr3:122538718-122619667	0.2367	0.2879	0.2825	0.239471
<i>Pde5a</i>	chr3:122729157-122859374	0.3252	0.3432	0.0776	0.801237
<i>Snora24</i>	chr3:123507936-123508066	24.7370	33.0581	0.4183	0.161030
<i>Gm9387</i>	chr3:128953781-128955098	0.4345	0.1558	-1.4798	0.035971
<i>Sgms2</i>	chr3:131318984-131344940	0.0767	0.1047	0.4493	0.474041
<i>Slc9b2</i>	chr3:135307699-135342767	0.3887	0.5315	0.4514	0.459651
<i>Bank1</i>	chr3:136053362-136326046	0.9112	1.1266	0.3061	0.432739
<i>Mttp</i>	chr3:138089854-138143388	0.3691	0.3006	-0.2961	0.324583
<i>Gm16559</i>	chr3:138281407-138307022	0.7812	0.9708	0.3135	0.203695
<i>Ccb12</i>	chr3:142701050-142744910	0.6716	0.9410	0.4865	0.172236
<i>9530052C20Rik</i>	chr3:142882494-142894644	1.1000	0.9379	-0.2300	0.452490
<i>Mcoln2</i>	chr3:146149832-146195513	0.9226	1.2989	0.4934	0.074430
<i>4930503B20Rik</i>	chr3:146645192-146651317	0.3186	0.3046	-0.0647	0.868267
<i>Samd13</i>	chr3:146645194-146685592	0.3796	0.3183	-0.2543	0.500736
<i>Gm10288</i>	chr3:146838774-146839365	1.4501	1.8424	0.3454	0.433314
<i>Lphn2</i>	chr3:148815585-148989316	0.0447	0.0531	0.2489	0.770575
<i>Ak5</i>	chr3:152462814-152668140	0.5791	0.5657	-0.0339	0.878936
<i>Gm16213</i>	chr3:152920239-152921399	1.5624	2.1335	0.4494	0.053201
<i>St6galnac3</i>	chr3:153205404-153725062	1.2958	2.0718	0.6770	0.056337
<i>Msh4</i>	chr3:153857146-153906138	0.5121	0.5545	0.1146	0.575145
<i>Gm24494</i>	chr3:153911609-153911690	17.4834	15.7512	-0.1505	0.317142
<i>Cryz</i>	chr3:154597196-154623182	0.5095	0.5473	0.1032	0.667999
<i>Mir186</i>	chr3:157544278-157544349	10.3700	11.5587	0.1566	0.674663
<i>mt-Th</i>	chrM:11545-11612	9.1925	10.0745	0.1322	0.732243
<i>mt-Ts2</i>	chrM:11612-11671	11.2928	13.1557	0.2203	0.610358
<i>Lyn</i>	chr4:3678114-3813122	0.6123	1.3387	1.1286	0.016395
<i>Gm24016</i>	chr4:3835078-3835146	17.2642	17.1260	-0.0116	0.964424
<i>Plag1</i>	chr4:3900995-3938423	0.3386	0.3813	0.1712	0.289883
<i>Penk</i>	chr4:4133530-4138819	0.3946	1.9504	2.3053	0.032810
<i>Fam110b</i>	chr4:5644089-6108223	0.0936	0.1409	0.5896	0.203543
<i>Gm11802</i>	chr4:6688168-6704160	3.6092	5.2386	0.5375	0.087846
<i>Asph</i>	chr4:9448068-9669344	0.1878	0.2152	0.1967	0.115834
<i>Gm11814</i>	chr4:10438814-10439743	1.6280	2.1943	0.4307	0.299164
<i>Gm26663</i>	chr4:11321943-11342953	0.5431	0.3117	-0.8010	0.086424
<i>Gm11831</i>	chr4:11501455-11502839	1.9170	2.8597	0.5770	0.047691
<i>Rad54b</i>	chr4:11558919-11615805	0.1778	0.2524	0.5055	0.096553
<i>Gem</i>	chr4:11704456-11714752	0.5493	0.7253	0.4009	0.666076
<i>1700123M08Rik</i>	chr4:11966564-11994280	0.8947	1.1675	0.3840	0.339004
<i>Tmem67</i>	chr4:12039354-12090020	0.3649	0.4524	0.3100	0.116012
<i>Gm11869</i>	chr4:15969571-15969928	1.3670	1.8277	0.4190	0.437501
<i>A530072M11Rik</i>	chr4:16164109-16266225	1.4323	1.3171	-0.1210	0.468142
<i>Gm12353</i>	chr4:19605450-19651130	5.5996	6.4565	0.2054	0.287769
<i>Gm11906</i>	chr4:24966516-25271099	5.4046	5.4855	0.0214	0.900656
<i>Gm24371</i>	chr4:32514786-32515053	8.2974	10.7348	0.3716	0.368915
<i>Gm11942</i>	chr4:32964887-32965232	2.6421	2.3187	-0.1884	0.611019
<i>Spaca1</i>	chr4:34024873-34050191	2.1291	0.8147	-1.3858	0.019880
<i>Gm12350</i>	chr4:34485831-34486293	2.7006	2.7740	0.0386	0.902170
<i>Gm12363</i>	chr4:34842984-34843652	2.1385	2.3727	0.1500	0.721119
<i>Gm12403</i>	chr4:41168645-41169604	0.5722	0.6873	0.2645	0.351502
<i>Gm26049</i>	chr4:41312090-41312198	9.5662	13.6803	0.5161	0.190062
<i>Gm12404</i>	chr4:41520693-41525823	0.5316	0.4557	-0.2221	0.475606
<i>Ccl27a</i>	chr4:41769466-41774247	0.5567	0.4225	-0.3978	0.027164
<i>Gm12454</i>	chr4:43504427-43508747	2.7768	1.9240	-0.5293	0.031002
<i>Car9</i>	chr4:43506965-43513729	0.7054	0.7092	0.0078	0.975359
<i>Spag8</i>	chr4:43651334-43653594	0.4369	0.3691	-0.2430	0.539548
<i>Fam221b</i>	chr4:43659621-43669145	0.7266	0.7738	0.0909	0.763166

Gm12481	chr4:43663948-43664408	6.9695	7.4225	0.0909	0.763166
Tmem8b	chr4:43668970-43692668	0.2794	0.2990	0.0980	0.758559
Gm12504	chr4:44121892-44124123	0.5550	0.6617	0.2536	0.280891
Melk	chr4:44300875-44364675	0.7625	1.0211	0.4213	0.304458
1700055D18Rik	chr4:45012829-45014399	1.1492	1.2160	0.0815	0.774857
Gm25692	chr4:45396993-45397118	8.9946	9.5820	0.0913	0.705968
Stra6l	chr4:45848663-45887008	0.1673	0.2929	0.8081	0.151518
Gm23250	chr4:46118179-46118446	1.7800	1.9960	0.1653	0.769648
Gm12444	chr4:46243013-46243890	0.6542	0.6078	-0.1060	0.845641
Gm16731	chr4:46535900-46539802	2.7941	3.5001	0.3250	0.150507
Tbc1d2	chr4:46604389-46650209	0.0986	0.1303	0.4014	0.505382
Gm568	chr4:47008315-47010781	4.6896	3.3473	-0.4864	0.248370
1700060J05Rik	chr4:53562982-53564697	1.2137	0.9427	-0.3646	0.108669
Fsd1l	chr4:53631470-53707009	0.2423	0.2604	0.1041	0.785243
Gm25687	chr4:54468332-54468611	8.9358	7.8655	-0.1841	0.563052
Actl7a	chr4:56743421-56744925	0.6410	0.6207	-0.0465	0.947008
Ctnna1	chr4:56810934-56865188	0.2368	0.3360	0.5050	0.133715
D630039A03Rik	chr4:57908482-57916297	0.5537	0.9568	0.7892	0.271240
Gm12577	chr4:58483251-58483825	2.2208	2.1973	-0.0153	0.956668
Gm12596	chr4:59260050-59263269	1.3081	1.5152	0.2121	0.598746
Gm12529	chr4:59532746-59533014	10.0125	11.1329	0.1530	0.564975
Gm12543	chr4:59833676-59834219	0.9099	0.7910	-0.2020	0.717778
Zfp618	chr4:62965572-63139708	0.1211	0.0075	-4.0146	0.000176
Col27a1	chr4:63214003-63334991	0.0574	0.1427	1.3140	0.009697
Orm3	chr4:63356161-63359511	1.1953	3.4517	1.5299	0.011532
Whrn	chr4:63414909-63495991	0.4058	0.6854	0.7564	0.047980
Gm11483	chr4:63567413-63567660	1.7922	1.3758	-0.3815	0.510894
Tnc	chr4:63959784-64047015	0.1645	0.5631	1.7756	0.176769
Gm11221	chr4:69691977-69692574	1.4250	1.0962	-0.3785	0.180351
Gm11223	chr4:69925200-69926171	1.6421	1.6252	-0.0149	0.940532
Gm11488	chr4:73497614-73498477	0.8115	1.1440	0.4955	0.146488
Gm11263	chr4:79327707-79328456	0.4532	0.4152	-0.1265	0.875827
Gm12630	chr4:86817793-86818577	0.9020	1.1660	0.3704	0.072414
Gm12631	chr4:88033500-88034998	1.3913	1.1141	-0.3206	0.435464
Mrpl48-ps	chr4:88599174-88599810	3.5656	2.5154	-0.5033	0.160237
NA	chr4:91805348-91806561	2.4390	2.3724	-0.0399	0.840838
Tusc1	chr4:93334147-93335511	3.4214	1.1301	-1.5981	0.000392
Gm12655	chr4:94460930-94477180	3.2533	1.7886	-0.8630	0.292757
Gm10306	chr4:94556545-94557078	3.5067	2.7821	-0.3339	0.296281
Gm12657	chr4:94593649-94600310	1.7920	1.5632	-0.1970	0.403273
Gm12693	chr4:94935620-94936103	3.2642	3.5029	0.1018	0.723891
Jun	chr4:95049033-95052222	2.8666	10.1332	1.8217	0.291072
Junos	chr4:95051533-95167318	0.3375	0.8820	1.3858	0.343132
Fggy	chr4:95557506-95926939	0.4374	0.4164	-0.0710	0.791591
9530080O11Rik	chr4:95959714-95967655	0.9170	0.8024	-0.1925	0.542354
Atg4c	chr4:99193933-99259787	0.1634	0.3408	1.0605	0.007420
Efcab7	chr4:99829197-99912788	1.6576	1.5035	-0.1408	0.519574
Gm24468	chr4:101186763-101186867	11.3691	9.3735	-0.2785	0.590981
Gm12785	chr4:101210415-101210587	3.5663	4.0319	0.1771	0.769690
0610043K17Rik	chr4:101353782-101399181	2.1665	2.9792	0.4596	0.042962
Gm12799	chr4:102046567-102049127	0.5568	0.4681	-0.2504	0.209701
Sgip1	chr4:102741296-102973628	0.0641	0.0903	0.4932	0.507603
Pcsk9	chr4:106442328-106464329	0.3112	0.2470	-0.3332	0.164179
Fam151a	chr4:106733888-106748292	1.1119	1.4652	0.3980	0.121459
Gm12870	chr4:107327483-107328499	0.9704	0.8868	-0.1300	0.674304
Echdc2	chr4:108165436-108179308	0.1342	0.0877	-0.6138	0.561542
Gm12737	chr4:108513780-108516817	2.4908	2.3419	-0.0890	0.595094
Orc1	chr4:108579422-108614833	0.6834	0.7214	0.0780	0.807824
Gm12743	chr4:108592424-108619849	0.3259	0.4224	0.3740	0.388281
Zfyve9	chr4:108637465-108780798	0.3487	0.4381	0.3291	0.186109
Gm12749	chr4:109373700-109374859	1.6945	2.0255	0.2574	0.319208
Ttc39a	chr4:109406622-109444745	0.1018	0.1196	0.2331	0.570421
Gm12961	chr4:111790620-111791670	0.7205	1.3653	0.9221	0.025085
Foxd2	chr4:114906279-114908898	0.4477	0.5543	0.3080	0.380627
Stil	chr4:115000158-115043196	0.2399	0.4038	0.7514	0.035271
Gm12847	chr4:115818856-115822655	6.1577	6.9530	0.1752	0.227280
Lurap1	chr4:116132405-116151338	0.6192	0.6725	0.1191	0.522181
Tspan1	chr4:116161868-116167601	0.6534	0.8272	0.3403	0.321327
Gm12953	chr4:116551739-116552627	3.2691	2.6560	-0.2997	0.228319
Zswim5	chr4:116877375-116989264	0.2071	0.3347	0.6925	0.031333
Ptch2	chr4:117096074-117116101	0.2021	0.2706	0.4213	0.137079

<i>Tctex1d4</i>	chr4:117126793-117128738	1.5946	1.5858	-0.0080	0.970647
<i>Best4-ps</i>	chr4:117145256-117148637	0.6071	0.4506	-0.4300	0.204040
<i>Gm26330</i>	chr4:117155185-117155289	17.9320	19.0379	0.0863	0.810283
<i>Snord55</i>	chr4:117155769-117155848	29.0283	17.5406	-0.7268	0.049919
<i>Klf2c</i>	chr4:117159638-117182639	0.6073	0.6827	0.1689	0.702817
<i>Gm25099</i>	chr4:117189941-117190057	21.8435	25.3030	0.2121	0.538334
<i>Gm12867</i>	chr4:119130291-119131001	2.5714	2.0022	-0.3609	0.252359
<i>Gm12868</i>	chr4:119133748-119138801	4.7557	4.1179	-0.2077	0.477009
<i>Gm12898</i>	chr4:119223173-119224815	6.3677	5.0811	-0.3256	0.081848
<i>NA</i>	chr4:119733795-119736768	0.4129	0.6786	0.7166	0.005384
<i>Rims3</i>	chr4:120854815-120896579	0.3291	0.3743	0.1858	0.529632
<i>Mfsd2a</i>	chr4:122946849-122961188	1.2327	0.9333	-0.4014	0.227730
<i>Gm25788</i>	chr4:123291343-123291474	15.7280	15.9770	0.0227	0.960237
<i>Gm22154</i>	chr4:123293151-123293282	9.6952	13.6787	0.4966	0.120841
<i>Gm12924</i>	chr4:123435616-123435934	3.8250	4.1778	0.1273	0.553693
<i>Gm23548</i>	chr4:123490230-123490336	12.4510	14.4808	0.2179	0.362241
<i>Ndufs5</i>	chr4:123712709-123718202	2.1883	2.9096	0.4110	0.158500
<i>Gm26606</i>	chr4:123898632-123904842	0.2557	0.1668	-0.6166	0.322479
<i>Gm12905</i>	chr4:123905061-123917269	3.0945	1.9075	-0.6980	0.002879
<i>4930535116Rik</i>	chr4:123917503-123918022	4.4294	3.1560	-0.4890	0.034437
<i>Gm12902</i>	chr4:123926233-123926555	2.6274	2.7744	0.0785	0.906842
<i>Gm12917</i>	chr4:124718998-124719637	5.0430	4.2802	-0.2366	0.299759
<i>Dnali1</i>	chr4:125055337-125065703	1.2714	1.5497	0.2855	0.181964
<i>Gm12932</i>	chr4:125082856-125084947	3.3568	3.3233	-0.0145	0.913021
<i>Oscp1</i>	chr4:126058564-126092195	0.1199	0.0976	-0.2969	0.486149
<i>Sh3d21</i>	chr4:126150601-126163491	0.9472	1.0186	0.1048	0.576871
<i>Gm25323</i>	chr4:126201174-126201277	4.1430	7.3276	0.8227	0.066881
<i>Gm12941</i>	chr4:127046382-127046602	5.8851	4.4943	-0.3890	0.298760
<i>A3galt2</i>	chr4:128755363-128769298	0.2642	0.2704	0.0336	0.904922
<i>Trim62</i>	chr4:128883579-128911328	0.5194	0.6911	0.4119	0.271593
<i>C77080</i>	chr4:129219577-129261404	0.3883	0.5339	0.4592	0.148504
<i>Gm10571</i>	chr4:129855070-129856710	1.4697	1.6091	0.1308	0.448327
<i>Col16a1</i>	chr4:130047839-130099283	0.0993	0.1734	0.8052	0.413291
<i>Fabp3</i>	chr4:130308594-130315463	1.0099	0.9555	-0.0799	0.773387
<i>Gm12971</i>	chr4:130758562-130762379	3.4424	3.1622	-0.1225	0.707308
<i>Tmem200b</i>	chr4:131921770-131923140	0.3631	0.3893	0.1003	0.829776
<i>Gm13063</i>	chr4:132048177-132048961	4.8373	4.8315	-0.0017	0.994175
<i>Gm10300</i>	chr4:132074696-132076992	0.5888	0.7319	0.3139	0.308686
<i>Snora16a</i>	chr4:132309464-132309600	30.2725	26.4594	-0.1942	0.105286
<i>Snord99</i>	chr4:132310690-132310764	28.9404	34.9784	0.2734	0.412851
<i>Gm12999</i>	chr4:132532686-132533601	5.7260	6.1900	0.1124	0.784975
<i>Ptafr</i>	chr4:132564066-132582683	0.2672	0.3493	0.3866	0.476749
<i>Smpd13b</i>	chr4:132732965-132757252	1.0862	1.8313	0.7535	0.207826
<i>Gm22767</i>	chr4:132838382-132838547	9.3061	8.2777	-0.1689	0.253411
<i>Gm13033</i>	chr4:132884544-132886626	0.3740	0.3242	-0.2061	0.755521
<i>Zfp683</i>	chr4:134053837-134058996	0.6490	1.1164	0.7825	0.026243
<i>Stmn1</i>	chr4:134468319-134473843	1.4856	1.7161	0.2081	0.539571
<i>Rhd</i>	chr4:134864535-134896172	1.3014	1.4510	0.1569	0.661861
<i>Mir700</i>	chr4:135416554-135416633	54.7194	43.7656	-0.3223	0.202827
<i>Gm15979</i>	chr4:135430125-135430841	4.1379	4.8426	0.2269	0.033806
<i>Stpg1</i>	chr4:135494789-135537803	0.2787	0.1517	-0.8773	0.280951
<i>Gm24362</i>	chr4:136018070-136018486	2.7175	2.8177	0.0522	0.876380
<i>Gm27022</i>	chr4:136347846-136349441	4.5857	4.7406	0.0479	0.835375
<i>6030445D17Rik</i>	chr4:136462249-136463977	0.4026	0.5271	0.3888	0.180943
<i>Gm12987</i>	chr4:136584171-136584660	1.3477	0.8830	-0.6101	0.073616
<i>Wnt4</i>	chr4:137277488-137299726	0.2350	0.3016	0.3595	0.496156
<i>Gm25772</i>	chr4:137325558-137325614	16.2782	13.4064	-0.2800	0.463102
<i>Rap1gap</i>	chr4:137664725-137729861	0.1058	0.1437	0.4414	0.609792
<i>1700095J12Rik</i>	chr4:138137594-138138518	1.1317	1.0337	-0.1306	0.836425
<i>2310026L22Rik</i>	chr4:138215713-138216189	4.8778	5.6588	0.2143	0.219835
<i>Sh2d5</i>	chr4:138250402-138261332	0.2968	0.2136	-0.4746	0.326247
<i>Camk2n1</i>	chr4:138454313-138460123	0.1288	0.1525	0.2432	0.579342
<i>Padi4</i>	chr4:140745864-140774236	0.2501	0.6504	1.3786	0.174443
<i>Gm13032</i>	chr4:140810992-140817511	1.0199	1.0064	-0.0193	0.961378
<i>Padi1</i>	chr4:140812982-140845778	0.8246	0.8149	-0.0170	0.957192
<i>Gm13031</i>	chr4:140947665-140957902	2.2069	1.9828	-0.1545	0.418318
<i>Spata21</i>	chr4:141088332-141112760	0.2869	0.4440	0.6301	0.136330
<i>Rsg1</i>	chr4:141213955-141226756	1.0353	0.8113	-0.3518	0.260395
<i>Cela2a</i>	chr4:141814961-141826160	0.2389	0.2690	0.1712	0.697773
<i>Ctrc</i>	chr4:141814961-141846359	0.3013	0.3134	0.0566	0.902359
<i>Gm13038</i>	chr4:143152571-143153030	7.0953	8.1542	0.2007	0.202353

<i>Gm13127</i>	chr4:144587243-144588632	1.6529	1.5646	-0.0792	0.758705
<i>Dhrs3</i>	chr4:144892826-144928209	0.7259	1.0607	0.5473	0.129925
<i>Tnfrsf8</i>	chr4:145267136-145315164	0.5036	0.9069	0.8487	0.145617
<i>Smarca5-ps</i>	chr4:145464203-145467420	0.6813	0.4321	-0.6571	0.041397
<i>Znf41-ps</i>	chr4:145825236-145829942	1.3814	1.4430	0.0630	0.561578
<i>Gm13251</i>	chr4:146449022-146470292	0.4779	0.4207	-0.1838	0.556896
<i>Gm13248</i>	chr4:146610960-146658160	0.7023	0.6238	-0.1712	0.762198
<i>Gm13139</i>	chr4:147132037-147180579	0.6301	0.6777	0.1052	0.680294
<i>Gm13152</i>	chr4:147492416-147513486	0.4396	0.7318	0.7353	0.110222
<i>Gm13154</i>	chr4:147553276-147585198	0.4454	0.2146	-1.0531	0.136340
<i>Rps19-ps3</i>	chr4:147821776-147822202	3.1858	3.9175	0.2983	0.316464
<i>Gm13207</i>	chr4:148031553-148032326	1.6733	1.5653	-0.0962	0.758228
<i>Fbxo44</i>	chr4:148152799-148160482	0.8447	0.6404	-0.3995	0.207374
<i>Angpt17</i>	chr4:148495182-148500460	0.5930	0.8203	0.4682	0.256716
<i>Gm13205</i>	chr4:148947491-148948914	2.4881	3.3166	0.4147	0.220689
<i>Apitd1</i>	chr4:149127120-149137629	0.4404	0.4607	0.0653	0.827615
<i>Rpsa-ps12</i>	chr4:149142496-149143388	0.7323	0.8167	0.1574	0.736323
<i>Ube4bos3</i>	chr4:149334638-149335897	3.5894	3.6082	0.0076	0.958935
<i>Gm13071</i>	chr4:149500632-149501008	1.1773	1.7543	0.5754	0.244171
<i>Slc25a33</i>	chr4:149744035-149774277	1.4646	1.5321	0.0650	0.594472
<i>Gm13068</i>	chr4:149748517-149749607	0.7457	0.8076	0.1149	0.820684
<i>Gm13070</i>	chr4:149904005-149908149	3.1721	3.3805	0.0918	0.791630
<i>Gpr157</i>	chr4:150087364-150105927	0.2707	0.4289	0.6641	0.012414
<i>Rps15a-ps3</i>	chr4:150847112-150847507	4.5003	5.3187	0.2411	0.660163
<i>Per3</i>	chr4:151003651-151044665	0.2794	0.3959	0.5029	0.198784
<i>Plekhg5</i>	chr4:152072497-152115400	0.7432	0.8413	0.1789	0.488846
<i>Rnf207</i>	chr4:152307018-152318993	0.1304	0.1170	-0.1555	0.776263
<i>Chd5</i>	chr4:152338650-152390194	0.2096	0.3176	0.5993	0.048106
<i>Gm16333</i>	chr4:152410799-152411262	4.5709	4.5623	-0.0027	0.993539
<i>Gm16334</i>	chr4:152418282-152421834	1.9113	2.9407	0.6216	0.032137
<i>Nphp4</i>	chr4:152476705-152563183	0.1037	0.1604	0.6284	0.352238
<i>Fam213b</i>	chr4:154895503-154899135	1.3017	1.4305	0.1361	0.723319
<i>Morn1</i>	chr4:155086576-155145505	0.3451	0.3745	0.1180	0.686430
<i>5830444B04Rik</i>	chr4:155398762-155421704	1.3358	0.9742	-0.4554	0.767028
<i>Gm13171</i>	chr4:155502315-155502706	1.7633	1.9628	0.1546	0.658621
<i>Gm10563</i>	chr4:155614412-155645408	4.2334	5.5631	0.3941	0.118776
<i>Mmp23</i>	chr4:155650654-155653384	0.4972	0.5572	0.1644	0.457707
<i>Gm22573</i>	chr4:155720039-155720141	15.1312	14.8043	-0.0315	0.932883
<i>Vwa1</i>	chr4:155768148-155774698	0.1621	0.2189	0.4330	0.324575
<i>Mxra8</i>	chr4:155839679-155844088	0.3814	0.3232	-0.2386	0.664829
<i>Fam132a</i>	chr4:155962317-155966629	2.3925	2.6746	0.1608	0.425829
<i>Plekhg1</i>	chr10:3740363-3967303	0.0343	0.0467	0.4457	0.566789
<i>4930432B10Rik</i>	chr10:11244789-11281221	0.1124	0.1255	0.1590	0.815784
<i>Gm4895</i>	chr10:22153279-22154416	0.7745	0.8604	0.1518	0.727670
<i>n-R5s76</i>	chr10:31317168-31317281	4.7288	2.2730	-1.0569	0.157571
<i>Gm16998</i>	chr10:54075921-54081081	0.5210	0.3918	-0.4114	0.372607
<i>Sept10</i>	chr10:59164112-59221847	0.2994	0.4657	0.6371	0.257980
<i>Gm9923</i>	chr10:72309224-72311848	0.1968	0.1646	-0.2576	0.604740
<i>Trpm2</i>	chr10:77907721-77970563	0.0547	0.1627	1.5722	0.039638
<i>Ppap2c</i>	chr10:79526429-79533787	0.5241	0.8273	0.6586	0.063036
<i>Gm24019</i>	chr10:79909194-79909301	3.0833	2.7701	-0.1545	0.807466
<i>Gm17151</i>	chr10:80766858-80768987	2.7733	1.9992	-0.4722	0.523300
<i>Hal</i>	chr10:93488767-93519304	0.2088	0.1209	-0.7890	0.064484
<i>Gm15910</i>	chr10:120857628-120863326	0.2178	0.1615	-0.4317	0.554304
<i>Cyp27b1</i>	chr10:127048249-127053006	0.2469	0.2101	-0.2330	0.679165
<i>Rps15a-ps6</i>	chr11:6172643-6173036	1.5614	1.6115	0.0456	0.925270
<i>Gm22753</i>	chr11:23479560-23479667	4.3660	4.8432	0.1497	0.738499
<i>Rpsa-ps4</i>	chr11:33038815-33039703	0.7023	0.5514	-0.3489	0.357282
<i>Gm12174</i>	chr11:46727817-46728630	0.8196	0.5941	-0.4644	0.229863
<i>Scgb3a1</i>	chr11:49663609-49665118	1.8827	1.5213	-0.3075	0.528002
<i>Rpl9-ps3</i>	chr11:53501183-53501762	0.8293	1.2893	0.6366	0.281386
<i>Nlrp3</i>	chr11:59541567-59566956	0.1146	0.1531	0.4187	0.583949
<i>1700007J10Rik</i>	chr11:59725916-59740154	0.6743	0.5925	-0.1865	0.539669
<i>Rasd1</i>	chr11:59963180-59964944	0.2376	0.3155	0.4088	0.354969
<i>Gm12267</i>	chr11:60449209-60449970	0.7104	0.4668	-0.6059	0.157221
<i>Gm12279</i>	chr11:62550046-62551041	2.0788	1.4108	-0.5592	0.279429
<i>Gucy2e</i>	chr11:69218116-69237036	0.0744	0.0325	-1.1922	0.117348
<i>Cldn7</i>	chr11:69964778-69967885	0.3750	0.3263	-0.2008	0.602377
<i>Nlrp1a</i>	chr11:71092235-71144704	0.1751	0.1927	0.1381	0.813720
<i>Wscd1</i>	chr11:71749919-71789647	0.0833	0.0325	-1.3593	0.118177
<i>Tax1bp3</i>	chr11:73177082-73183162	0.3292	0.3505	0.0907	0.824125

<i>Snord91a</i>	chr11:74905423-74905516	8.7950	7.9174	-0.1517	0.602443
<i>Gm22771</i>	chr11:74906108-74906199	6.2260	7.4328	0.2556	0.566911
<i>Efcab5</i>	chr11:77089914-77188968	0.1177	0.1453	0.3039	0.340958
<i>Gm10277</i>	chr11:77785452-77787747	0.2350	0.3149	0.4218	0.238917
<i>Gm11193</i>	chr11:78292847-78293956	1.4253	1.3265	-0.1037	0.818696
<i>D11Bhm181e</i>	chr11:78561318-78561600	2.4424	2.0657	-0.2417	0.735358
<i>Gm11196</i>	chr11:78585160-78585555	2.2249	1.7739	-0.3268	0.476959
<i>Akirin1-ps</i>	chr11:85216596-85217054	1.2054	2.1424	0.8297	0.036209
<i>Prr11</i>	chr11:87089152-87108708	0.2213	0.2916	0.3980	0.470084
<i>Rnu1a1</i>	chr11:87422866-87423030	4.4258	3.8250	-0.2105	0.670224
<i>Hsd17b1</i>	chr11:101078410-101080527	0.7850	0.6772	-0.2131	0.552795
<i>Gm26316</i>	chr11:101604849-101605040	2.8111	3.3279	0.2435	0.739203
<i>Arhgap27os1</i>	chr11:103363212-103364651	0.5551	0.5127	-0.1148	0.756056
<i>Gm11639</i>	chr11:104685706-104753962	0.1900	0.1402	-0.4390	0.271523
<i>Gm11652</i>	chr11:105773517-105774784	0.5271	0.7588	0.5256	0.160291
<i>2310007L24Rik</i>	chr11:106365473-106377114	0.7207	0.8231	0.1916	0.678475
<i>Rps12-ps26</i>	chr11:107171899-107172232	2.8896	2.6400	-0.1303	0.766611
<i>Gm11674</i>	chr11:111796346-111800876	0.2696	0.1448	-0.8965	0.145331
<i>Foxj1</i>	chr11:116330703-116335399	0.1312	0.0126	-3.3848	0.094802
<i>Npb</i>	chr11:120608476-120609093	2.0786	1.6834	-0.3043	0.438353
<i>Rac3</i>	chr11:120721469-120723969	0.4820	0.5626	0.2230	0.459475
<i>Metrnl</i>	chr11:121701543-121716306	0.2895	0.4936	0.7699	0.411012
<i>Gm9144</i>	chr12:7859826-7861205	0.5241	0.3542	-0.5654	0.139345
<i>Gm7099</i>	chr12:9429545-9430099	0.9664	0.5350	-0.8532	0.076009
<i>Gm5432</i>	chr12:15817002-15888155	0.3712	0.4616	0.3145	0.328368
<i>Gm17673</i>	chr12:83954498-83984852	0.2346	0.2534	0.1114	0.703192
<i>Samd15</i>	chr12:87199722-87213541	0.2845	0.2610	-0.1245	0.819753
<i>Dio2</i>	chr12:90724553-90738438	0.0765	0.0543	-0.4953	0.480789
<i>Mir342</i>	chr12:108658619-108658718	5.1265	3.9696	-0.3690	0.500114
<i>Begain</i>	chr12:109032186-109068217	0.3807	0.3962	0.0577	0.869965
<i>BC022687</i>	chr12:112808974-112816245	0.2140	0.1869	-0.1951	0.653343
<i>Ighg3</i>	chr12:113359664-113361232	0.4447	0.3300	-0.4305	0.815652
<i>Gm24022</i>	chr12:113424748-113424818	4.3706	3.8503	-0.1829	0.812458
<i>2810429I04Rik</i>	chr13:3478242-3494398	0.0513	0.1061	1.0484	0.171588
<i>Gm11281</i>	chr13:21953052-21953628	1.1946	1.7939	0.5866	0.160995
<i>Gm22358</i>	chr13:24811446-24811568	3.6762	5.1863	0.4965	0.262281
<i>4932702P03Rik</i>	chr13:24905592-24914272	0.1751	0.2487	0.5064	0.373968
<i>Ly86</i>	chr13:37345344-37419036	0.7747	2.2916	1.5646	0.005923
<i>Dsp</i>	chr13:38151327-38198577	0.0853	0.1657	0.9578	0.290364
<i>Mir23b</i>	chr13:63300471-63300568	5.7011	8.9151	0.6450	0.122970
<i>Gm16132</i>	chr13:63376760-63381045	0.7163	0.3628	-0.9813	0.091329
<i>Gm8399</i>	chr13:81064683-81065803	0.4630	0.3193	-0.5364	0.251801
<i>Gm22574</i>	chr13:86044988-86045048	7.7231	5.3500	-0.5296	0.441827
<i>Gm8546</i>	chr13:89577154-89578413	0.6298	0.4315	-0.5456	0.154793
<i>Rps3a3</i>	chr13:108670579-108671440	0.7306	0.6198	-0.2373	0.631171
<i>Ccdc146</i>	chr5:21292960-21424677	0.1325	0.1401	0.0809	0.837252
<i>Gm25767</i>	chr5:36671657-36671781	2.7266	3.5957	0.3991	0.623344
<i>Gm7854</i>	chr5:43235001-43235352	1.4721	1.2426	-0.2445	0.782603
<i>Gm5555</i>	chr5:49552256-49553270	0.6751	0.4900	-0.4624	0.366185
<i>Ociad2</i>	chr5:73322198-73338947	0.3280	0.5263	0.6821	0.242228
<i>Gm6583</i>	chr5:112353800-112356033	0.1934	0.3042	0.6532	0.162560
<i>Gm13831</i>	chr5:115263092-115263394	2.3496	1.9776	-0.2487	0.669385
<i>Gm15860</i>	chr5:123334331-123344437	0.6057	0.4799	-0.3360	0.599645
<i>Gm25315</i>	chr5:135207987-135208108	2.5719	4.0055	0.6391	0.280607
<i>Gm15607</i>	chr5:135637138-135637496	1.4395	2.0284	0.4948	0.403232
<i>Gm20485</i>	chr5:136863636-136869722	1.0457	1.4630	0.4844	0.358551
<i>Fscn1</i>	chr5:142960342-142973185	0.1257	0.2197	0.8054	0.265037
<i>0610040B10Rik</i>	chr5:143329246-143332704	1.5731	1.5455	-0.0256	0.948828
<i>Rps10-ps4</i>	chr5:147100561-147101053	0.8794	0.3175	-1.4699	0.147985
<i>Mtus2</i>	chr5:147957319-148316065	0.1056	0.2182	1.0476	0.426816
<i>Gm8428</i>	chr6:8377595-8379379	0.2848	0.4119	0.5323	0.377550
<i>Gm15473</i>	chr6:17058805-17064996	0.6938	0.7512	0.1145	0.654952
<i>Rpl30-ps1</i>	chr6:38376806-38377154	1.4446	1.5947	0.1427	0.676395
<i>Klrg2</i>	chr6:38626659-38637239	0.3331	0.3225	-0.0467	0.927258
<i>Fth-ps2</i>	chr6:39653449-39653965	1.4914	2.2384	0.5858	0.016073
<i>Hotairm1</i>	chr6:52156901-52162119	0.9299	1.0395	0.1608	0.734436
<i>Fkbp9</i>	chr6:56832058-56879358	0.1671	0.2167	0.3745	0.443210
<i>Sftpb</i>	chr6:72304609-72314371	0.1660	0.2065	0.3152	0.521925
<i>Grip2</i>	chr6:91761508-91827250	0.1085	0.0906	-0.2589	0.725950
<i>Gm15531</i>	chr6:97890287-97890539	3.2483	3.4399	0.0827	0.881887
<i>Cpne9</i>	chr6:113282306-113305627	0.0942	0.0664	-0.5042	0.134273

<i>Ninj2</i>	chr6:120093349-120200339	0.6061	0.4923	-0.3000	0.431334
<i>Gm24592</i>	chr6:120381033-120381139	2.8859	3.0533	0.0813	0.922596
<i>Gm10069</i>	chr6:128438756-128475617	0.1727	0.0896	-0.9471	0.335453
<i>Klri1</i>	chr6:129697217-129717132	0.9323	2.1726	1.2206	0.071332
<i>Smco3</i>	chr6:136829926-136835452	0.2458	0.2095	-0.2306	0.688194
<i>Gm766</i>	chr6:142785203-142804502	0.1984	0.1028	-0.9487	0.217053
<i>Tmtc1</i>	chr6:148232429-148444389	0.1058	0.2104	0.9914	0.023025
<i>Gm21814</i>	chr6:149582011-149583656	1.7703	2.2021	0.3149	0.391092
<i>D030047H15Rik</i>	chr7:4126339-4136926	0.2452	0.1702	-0.5266	0.366529
<i>Gm16306</i>	chr7:6399053-6399636	1.7574	0.6360	-1.4663	0.245298
<i>Gm15877</i>	chr7:12517404-12518368	0.3528	0.3319	-0.0881	0.888103
<i>Slc27a5</i>	chr7:12988345-12998192	0.2250	0.2064	-0.1245	0.808944
<i>Gm4879</i>	chr7:13178902-13180174	0.5167	0.3915	-0.4002	0.409655
<i>Zfp111</i>	chr7:24193946-24211443	0.0601	0.0641	0.0927	0.826101
<i>Ppp1r14a</i>	chr7:29289319-29293390	1.2414	0.9999	-0.3121	0.463366
<i>Gm6096</i>	chr7:34251037-34251493	1.9695	2.1309	0.1136	0.650094
<i>Zfp536</i>	chr7:37472134-37773641	0.1704	0.0109	-3.9686	0.057599
<i>Snord88a</i>	chr7:44250134-44250224	10.6185	13.1156	0.3047	0.373411
<i>Mamstr</i>	chr7:45639976-45646521	0.1498	0.1155	-0.3751	0.415283
<i>Spaca4</i>	chr7:45725106-45725816	0.5627	0.2656	-1.0831	0.192375
<i>Syngn4</i>	chr7:45885221-45896714	0.5939	0.6836	0.2029	0.590732
<i>Gm7580</i>	chr7:74392697-74411233	1.8324	2.4001	0.3893	0.421424
<i>Tll13</i>	chr7:80246375-80260821	0.1634	0.1160	-0.4947	0.273776
<i>Gm6415</i>	chr7:81161396-81161744	1.8499	2.3883	0.3685	0.228052
<i>Gm7180</i>	chr7:81222361-81222874	1.9815	1.4894	-0.4119	0.368944
<i>Homer2</i>	chr7:81600480-81706925	0.0386	0.0689	0.8369	0.222721
<i>Gm10605</i>	chr7:99625935-99631711	0.1103	0.1341	0.2821	0.723797
<i>Gm4887</i>	chr7:104821203-104822256	0.6616	0.8149	0.3006	0.349503
<i>Gm22504</i>	chr7:105642337-105642476	4.7915	3.2453	-0.5621	0.406070
<i>1700069B07Rik</i>	chr7:121707188-121708011	0.8168	0.3940	-1.0519	0.034480
<i>Gm26414</i>	chr7:122446857-122447126	1.5960	1.8869	0.2415	0.744662
<i>Snora30</i>	chr7:127527873-127528003	7.0041	7.5524	0.1087	0.831471
<i>Dmbt1</i>	chr7:131032075-131121626	0.0642	0.0173	-1.8888	0.142857
<i>Sprn</i>	chr7:140150627-140154877	0.1187	0.0946	-0.3262	0.693689
<i>lfitm5</i>	chr7:140948962-140950239	1.1124	1.2474	0.1653	0.787014
<i>lfitm2</i>	chr7:140954838-140955961	0.9614	1.5866	0.7227	0.256754
<i>lfitm3</i>	chr7:141009585-141010770	1.1376	1.9673	0.7902	0.081071
<i>Gm15580</i>	chr7:143596438-143596994	0.7392	0.7725	0.0634	0.875069
<i>BC068157</i>	chr8:4209542-4217459	0.2177	0.2813	0.3696	0.387543
<i>Smim18</i>	chr8:33742113-33747770	0.9504	0.8410	-0.1764	0.664853
<i>Gm9755</i>	chr8:67513999-67515606	0.2982	0.3614	0.2772	0.568320
<i>Lrrc25</i>	chr8:70616843-70620850	0.2303	0.4565	0.9874	0.250006
<i>Large</i>	chr8:72814598-73353540	0.0707	0.1318	0.8994	0.055728
<i>Gm25506</i>	chr8:85050206-85050276	3.6776	0.9915	-1.8911	0.243622
<i>Crnde</i>	chr8:92326037-92356120	0.1863	0.0962	-0.9526	0.252052
<i>Gm8730</i>	chr8:102864778-102865853	0.6106	0.6998	0.1965	0.630311
<i>Nrn1l</i>	chr8:105893566-105895023	0.8593	0.7420	-0.2117	0.762108
<i>Mtss1l</i>	chr8:110721475-110741400	0.1088	0.1223	0.1691	0.685903
<i>Gm6793</i>	chr8:112013432-112015036	0.2889	0.4245	0.5551	0.207159
<i>Vstm5</i>	chr9:15239044-15259393	0.1553	0.2589	0.7371	0.334116
<i>Gm7808</i>	chr9:19927895-19928282	1.1600	1.2135	0.0650	0.908961
<i>Icam5</i>	chr9:21032037-21039036	0.3355	0.3225	-0.0573	0.918311
<i>Gm26592</i>	chr9:21034289-21037782	0.2288	0.2610	0.1900	0.722527
<i>Gm20519</i>	chr9:21533626-21533985	1.3641	1.0891	-0.3248	0.393296
<i>Eepd1</i>	chr9:25481546-25604110	0.1935	0.3355	0.7943	0.102325
<i>Scn3b</i>	chr9:40269215-40291618	0.1189	0.1149	-0.0495	0.912656
<i>C1qtnf5</i>	chr9:44107244-44109187	0.4986	0.3044	-0.7122	0.157398
<i>Zbtb16</i>	chr9:48654310-48835945	0.1085	0.1650	0.6043	0.106539
<i>Gm22304</i>	chr9:53639976-53640105	5.1615	5.1718	0.0029	0.993488
<i>AY074887</i>	chr9:54950265-54950954	0.6217	0.7595	0.2890	0.676465
<i>Gm23344</i>	chr9:64175047-64175115	7.1607	6.5660	-0.1251	0.845525
<i>Snord16a</i>	chr9:64175422-64175521	7.7051	8.2520	0.0989	0.670408
<i>4930509E16Rik</i>	chr9:72518261-72531858	0.4452	0.2135	-1.0604	0.091765
<i>Filip1</i>	chr9:79815050-79977804	0.0698	0.0979	0.4870	0.489552
<i>4930579K19Rik</i>	chr9:98562959-98563611	1.1416	1.1661	0.0306	0.946297
<i>Mir135a-1</i>	chr9:106154123-106154213	6.5661	6.7926	0.0489	0.804281
<i>NA</i>	chr9:108104964-108118343	0.3163	0.3207	0.0202	0.945656
<i>Xylb</i>	chr9:119357380-119393797	0.1625	0.2256	0.4729	0.158716
<i>Lyz14</i>	chr9:121577842-121642096	0.7077	0.6008	-0.2364	0.614412
<i>Gm17021</i>	chr9:123772184-123790939	1.4372	2.1727	0.5962	0.047416
<i>Kcnd1</i>	chrX:7822288-7838280	0.1178	0.1149	-0.0358	0.953809

<i>Snora69</i>	chrX:37082911-37083042	5.5885	5.5129	-0.0197	0.964405
<i>Mir18b</i>	chrX:52742330-52742413	4.8958	1.6898	-1.5347	0.271921
<i>Gm14584</i>	chrX:53418330-53418967	1.3122	1.5223	0.2144	0.389700
<i>Gm14686</i>	chrX:74261031-74261374	1.7578	2.0050	0.1898	0.417550
<i>Apoa</i>	chrX:94367116-94417093	0.5677	0.9157	0.6898	0.049635
<i>Tpt1-ps6</i>	chrX:101768534-101769057	1.5872	1.1291	-0.4913	0.352755
<i>Gm15009</i>	chrX:136802911-136803233	2.1600	2.8830	0.4166	0.166898
<i>Gm15190</i>	chrX:159584782-159585058	1.8112	0.8486	-1.0938	0.184705
<i>Arhgap6</i>	chrX:168795098-169304435	0.0559	0.1016	0.8621	0.238012
<i>Gm24500</i>	chr15:34139252-34139376	6.8901	5.3473	-0.3657	0.405411
<i>Gm22488</i>	chr15:58146615-58146742	3.6140	2.7209	-0.4095	0.543843
<i>Gm20717</i>	chr15:64098316-64100886	1.7383	1.9066	0.1333	0.740286
<i>Oc90</i>	chr15:65876052-65912397	0.2809	0.3891	0.4704	0.262405
<i>Mir30b</i>	chr15:68337414-68337510	2.4467	2.7622	0.1750	0.855221
<i>Gm17189</i>	chr15:74784064-74800640	0.3673	0.1709	-1.1038	0.274711
<i>Spatc1</i>	chr15:76268088-76292572	0.3564	0.3522	-0.0171	0.957737
<i>Apol7c</i>	chr15:77524866-77533315	0.4296	1.5076	1.8111	0.168860
<i>Gm6612</i>	chr15:80952504-80952899	1.3639	1.5931	0.2242	0.577204
<i>Shisa8</i>	chr15:82206951-82212815	0.3540	0.1816	-0.9633	0.203918
<i>Gm26760</i>	chr15:92344358-92378088	0.1690	0.0001	-10.7229	0.275999
<i>Snora2b</i>	chr15:98526345-98526482	5.9355	8.2638	0.4774	0.210886
<i>Troap</i>	chr15:99074972-99083407	0.3510	0.2948	-0.2518	0.480207
<i>Gpd1</i>	chr15:99717514-99725005	0.3069	0.4049	0.3997	0.538252
<i>Gm5475</i>	chr15:100422146-100428150	0.1586	0.1881	0.2469	0.353996
<i>Smagp</i>	chr15:100621341-100636865	0.8242	0.9811	0.2513	0.620536
<i>6030408B16Rik</i>	chr15:101293211-101296615	0.2944	0.1964	-0.5841	0.469281
<i>Gm3739</i>	chr14:7293647-7315049	0.2515	0.3699	0.5569	0.226648
<i>4930452B06Rik</i>	chr14:8431191-8666240	0.2148	0.2328	0.1159	0.793079
<i>Gm25328</i>	chr14:20701522-20701629	8.1529	10.2193	0.3259	0.437210
<i>Snord8</i>	chr14:52209784-52209894	7.2221	8.0134	0.1500	0.685754
<i>Trav1</i>	chr14:52427927-52428874	1.6288	1.8377	0.1741	0.785593
<i>Trav7d-3</i>	chr14:52744248-52744839	1.2694	1.2600	-0.0107	0.989681
<i>Trav8d-1</i>	chr14:52778446-52778994	1.3633	2.1148	0.6334	0.156037
<i>Trav9d-1</i>	chr14:52792207-52792776	0.9723	0.7309	-0.4117	0.418003
<i>Trav16d-dv11</i>	chr14:53047286-53047821	1.7317	2.2850	0.4000	0.535781
<i>Trav6-5</i>	chr14:53491114-53491620	1.8132	1.0560	-0.7799	0.099408
<i>Gm20687</i>	chr14:55056177-55072397	0.7742	1.2044	0.6374	0.364093
<i>Gm5801</i>	chr14:56010535-56011351	0.6533	0.4764	-0.4555	0.488942
<i>Gm26440</i>	chr14:57697808-57697937	2.6461	3.8309	0.5338	0.375644
<i>C1qtnf9</i>	chr14:60768133-60780869	0.5139	0.6976	0.4409	0.185050
<i>Mir15a</i>	chr14:61632026-61632110	7.0184	10.8994	0.6350	0.046364
<i>Dleu7</i>	chr14:62276230-62292979	0.6109	0.5474	-0.1584	0.729621
<i>Serpine3</i>	chr14:62663666-62692243	0.6910	0.7789	0.1728	0.603776
<i>Pbk</i>	chr14:65805836-65817822	0.5092	1.0592	1.0568	0.152465
<i>Timm8a2</i>	chr14:122034673-122038420	0.7830	0.6786	-0.2064	0.763759
<i>Ccr6</i>	chr17:8236042-8257127	0.2477	0.2727	0.1391	0.719487
<i>Prr18</i>	chr17:8340405-8344112	0.2588	0.0918	-1.4957	0.015611
<i>Gm23833</i>	chr17:12770630-12770882	4.0536	4.1862	0.0464	0.894005
<i>Pnlcd1</i>	chr17:12888901-12910000	0.3943	0.3845	-0.0364	0.904956
<i>NA</i>	chr17:15010265-15022448	0.3359	0.3074	-0.1277	0.733658
<i>Abca17</i>	chr17:24264258-24351029	0.0943	0.0867	-0.1214	0.873151
<i>Snord60</i>	chr17:24528475-24528553	5.9593	9.2879	0.6402	0.320807
<i>Tcp11</i>	chr17:28066746-28080639	0.3556	0.4611	0.3746	0.450313
<i>Cbs</i>	chr17:31612622-31637199	0.1167	0.1678	0.5238	0.456697
<i>Aif1</i>	chr17:35170990-35176068	0.5115	0.4803	-0.0906	0.804654
<i>RspH9</i>	chr17:46122034-46144216	0.3926	0.5140	0.3886	0.238886
<i>Prickle4</i>	chr17:47688516-47694736	0.3667	0.3066	-0.2581	0.608227
<i>Mettl4-ps1</i>	chr17:71526895-71556543	0.2234	0.3938	0.8178	0.242733
<i>Gm17538</i>	chr17:77674375-77674702	1.4830	1.1073	-0.4214	0.472534
<i>Gm25706</i>	chr17:80196157-80196404	2.6396	1.9239	-0.4563	0.386912
<i>Slc8a1</i>	chr17:81388690-81649607	0.2933	0.3912	0.4158	0.298712
<i>C430042M11Rik</i>	chr17:83851674-83854393	0.2027	0.2331	0.2020	0.815988
<i>Gm15835</i>	chr16:4777742-4779454	3.2090	3.2787	0.0310	0.928891
<i>Gm6305</i>	chr16:11190253-11191265	0.6751	0.5728	-0.2371	0.598336
<i>Gm15798</i>	chr16:18944257-18944665	1.5331	1.6438	0.1006	0.806790
<i>Iglv1</i>	chr16:19085016-19085460	1.8205	0.1459	-3.6416	0.310487
<i>Gm15760</i>	chr16:20545917-20546200	1.5457	1.1916	-0.3753	0.516520
<i>Gm9816</i>	chr16:62716952-62718810	0.2794	0.2063	-0.4376	0.528340
<i>Gm23692</i>	chr16:94429072-94429232	3.4453	3.1072	-0.1490	0.822571
<i>Lca5l</i>	chr16:96158406-96192257	0.0502	0.0722	0.5260	0.435554
<i>C030010L15Rik</i>	chr16:97994600-97997419	1.1279	0.9724	-0.2140	0.597049

<i>Peli3</i>	chr19:4930650-4943127	0.1814	0.1657	-0.1306	0.884997
<i>Lgals12</i>	chr19:7596659-7607193	0.2469	0.3281	0.4099	0.296328
<i>A930007119Rik</i>	chr19:29486354-29523159	0.1621	0.2063	0.3478	0.554079
<i>Sfrp5</i>	chr19:42197970-42202252	0.2283	0.1809	-0.3354	0.693217
<i>Kazald1</i>	chr19:45075240-45079289	0.3725	0.2249	-0.7275	0.019292
<i>4930505N22Rik</i>	chr19:45998136-46013386	1.0252	0.6716	-0.6104	0.312309
<i>Snora19</i>	chr19:60774329-60774461	2.5644	1.2160	-1.0765	0.248465
<i>Stau2</i>	chr1:16228673-16520112	0.0720	0.1332	0.8888	0.123891
<i>Bend6</i>	chr1:33852051-33907816	0.2408	0.2366	-0.0255	0.954329
<i>Gm5976</i>	chr1:52503233-52504229	0.9717	0.9384	-0.0503	0.866121
<i>Gm6822</i>	chr1:55160739-55161053	1.7230	0.8427	-1.0318	0.072914
<i>Als2cr12</i>	chr1:58658116-58695989	0.4117	0.5338	0.3749	0.448785
<i>Rps27-ps1</i>	chr1:63073773-63074019	1.8773	2.9084	0.6315	0.131537
<i>Gm13748</i>	chr1:64078653-64090782	2.7854	2.8543	0.0352	0.956544
<i>2810408111Rik</i>	chr1:64679870-64690659	0.5652	0.5629	-0.0060	0.990684
<i>Gm8812</i>	chr1:66062964-66063376	1.5637	1.3752	-0.1854	0.472737
<i>Cyp27a1</i>	chr1:74713573-74737890	0.5627	1.2335	1.1322	0.061908
<i>Pid1</i>	chr1:84036295-84364180	0.0788	0.1242	0.6570	0.109852
<i>Rbm44</i>	chr1:91145102-91170795	0.1180	0.5122	2.1178	0.186640
<i>Gm7785</i>	chr1:91296044-91296936	0.7422	1.0404	0.4874	0.176423
<i>Gm16305</i>	chr1:138991549-138992021	1.5644	1.8110	0.2112	0.718235
<i>A230059L01Rik</i>	chr1:146802964-146806022	0.3078	0.4349	0.4984	0.676645
<i>Gm15429</i>	chr1:161725535-161727682	0.3786	0.2424	-0.6435	0.139815
<i>Fcgr4</i>	chr1:171018919-171029761	0.3463	0.2734	-0.3411	0.680978
<i>Slamf8</i>	chr1:172581376-172590568	0.2536	0.5016	0.9837	0.147893
<i>Opn3</i>	chr1:175662420-175692776	0.5331	0.4997	-0.0933	0.805378
<i>Gm23690</i>	chr1:181813606-181813700	4.7861	3.6760	-0.3807	0.463163
<i>A430105J06Rik</i>	chr1:186749395-186752921	0.9497	0.7723	-0.2983	0.495005
<i>Atf3</i>	chr1:191170295-191183340	0.1814	0.2369	0.3855	0.533129
<i>B4gal6</i>	chr18:20684598-20746404	0.0733	0.1149	0.6479	0.099272
<i>3222401L13Rik</i>	chr18:37655906-37658737	0.2198	0.1670	-0.3969	0.649951
<i>Tex43</i>	chr18:56588349-56594782	0.5090	0.4208	-0.2744	0.600765
<i>Gm26403</i>	chr18:61138508-61138613	5.0703	4.5827	-0.1459	0.651571
<i>NA</i>	chr18:67782504-67782756	1.8598	2.1584	0.2148	0.720210
<i>Ska1</i>	chr18:74195298-74207818	0.3203	0.2779	-0.2049	0.745417
<i>Gm13192</i>	chr2:4959542-4959752	3.0906	1.5617	-0.9848	0.032429
<i>Gm26073</i>	chr2:10473350-10473477	4.9254	2.3686	-1.0562	0.145335
<i>Gm25753</i>	chr2:10502390-10502511	4.5943	3.8120	-0.2693	0.398081
<i>A930004D18Rik</i>	chr2:18025192-18037737	0.1736	0.2107	0.2792	0.399915
<i>Gm13349</i>	chr2:18338578-18338989	1.8213	1.9442	0.0942	0.814407
<i>Gm13433</i>	chr2:25543478-25543718	4.8019	5.7593	0.2623	0.543028
<i>Mir2861</i>	chr2:32712806-32712888	6.5040	2.1089	-1.6248	0.044056
<i>NA</i>	chr2:32712899-32712972	6.7202	6.6002	-0.0260	0.959019
<i>Gm13556</i>	chr2:38286254-38287291	2.1085	1.9020	-0.1487	0.769660
<i>Nr6a1os</i>	chr2:38823256-38852370	0.4958	0.5080	0.0352	0.929573
<i>Gm13453</i>	chr2:40127503-40127860	1.8908	1.0719	-0.8188	0.093696
<i>A430018G15Rik</i>	chr2:52425011-52434885	0.4701	0.6105	0.3769	0.416563
<i>Fap</i>	chr2:62500942-62574075	0.1973	0.2520	0.3531	0.612223
<i>Gm13666</i>	chr2:73131744-73132543	1.0834	0.7511	-0.5285	0.249775
<i>Gm13703</i>	chr2:73357267-73364333	1.2412	2.3321	0.9100	0.056402
<i>Mir1955</i>	chr2:92191976-92192074	10.5433	8.6813	-0.2803	0.522165
<i>Gm22676</i>	chr2:112500868-112500997	2.4269	2.1813	-0.1539	0.845104
<i>Gm21596</i>	chr2:113919246-113920562	0.3543	0.3607	0.0258	0.960054
<i>Gm14088</i>	chr2:119008208-119008477	1.2123	0.8289	-0.5484	0.466439
<i>Trim69</i>	chr2:122160699-122179027	0.1909	0.2482	0.3792	0.573428
<i>Gm14025</i>	chr2:129038144-129048172	0.1710	0.1082	-0.6612	0.607688
<i>Gm14023</i>	chr2:129297369-129307826	0.3607	0.4269	0.2429	0.650235
<i>Gm14049</i>	chr2:130987983-130988619	1.0635	1.0344	-0.0400	0.890694
<i>Gm14051</i>	chr2:132144532-132220250	1.2684	0.6191	-1.0348	0.085059
<i>Gm14068</i>	chr2:140044491-140044704	2.0742	1.6496	-0.3304	0.728152
<i>Gm26165</i>	chr2:144261588-144261726	11.6922	11.4241	-0.0335	0.948029
<i>Gm14122</i>	chr2:150398255-150399399	0.5627	0.6685	0.2486	0.632224
<i>Efcab8</i>	chr2:153780878-153844752	0.1807	0.1792	-0.0122	0.960980
<i>Gm14198</i>	chr2:154630001-154632636	0.9409	0.7316	-0.3631	0.534313
<i>Rpl21-ps9</i>	chr2:156386740-156387222	0.8798	0.8119	-0.1159	0.851150
<i>Gm14277</i>	chr2:157168819-157169179	1.7814	2.1320	0.2592	0.141445
<i>Fam83d</i>	chr2:158768092-158786637	0.2125	0.2880	0.4385	0.336940
<i>Gm11465</i>	chr2:165880024-165882056	1.1094	1.6208	0.5470	0.282916
<i>Gm14270</i>	chr2:170285034-170285880	0.7970	0.9110	0.1930	0.606136
<i>Tubb1</i>	chr2:174450694-174457882	0.3010	0.2253	-0.4175	0.561731
<i>Gm14443</i>	chr2:175166254-175175871	0.1611	0.1150	-0.4866	0.387719

BC051628	chr2:181220012-181222854	0.4534	0.3147	-0.5267	0.224526
Gm5466	chr2:181896822-181898712	0.4481	0.6064	0.4366	0.379525
mt-Tl1	chrM:2675-2750	9.6010	18.4901	0.9455	0.042862
Gm15466	chr3:8882237-8882570	1.3309	0.8763	-0.6028	0.350461
Il2	chr3:37120522-37125959	0.4521	0.6411	0.5041	0.298246
Gm10254	chr3:54810563-54811250	1.1063	0.8461	-0.3868	0.454415
Rarres1	chr3:67478885-67515523	0.2941	0.3627	0.3023	0.652356
Gm17213	chr3:69431008-69432368	0.2398	0.0752	-1.6739	0.174182
Gm17146	chr3:88722089-88722670	0.8678	0.8606	-0.0120	0.991313
Muc1	chr3:89229056-89233381	0.3113	0.3021	-0.0433	0.882850
Gm16540	chr3:90057258-90058380	1.6445	2.6787	0.7039	0.058829
1700040D17Rik	chr3:94409394-94412883	0.9377	0.4438	-1.0794	0.038487
Anxa9	chr3:95296095-95307176	0.4423	0.5482	0.3097	0.494862
Hist2h3c2	chr3:96238109-96239127	0.5581	0.3441	-0.6978	0.349512
Gm6485	chr3:104752726-104753165	1.6231	2.7800	0.7763	0.192378
Gm4540	chr3:106034661-106035056	1.8576	2.2240	0.2597	0.682463
Gnat2	chr3:108092788-108101432	0.2079	0.2516	0.2757	0.443347
Alpk1	chr3:127670398-127780527	0.1334	0.2029	0.6052	0.024529
Tifa	chr3:127789871-127832135	0.2346	0.4972	1.0838	0.105108
Slc9b1	chr3:135348028-135397827	0.2005	0.2500	0.3183	0.420737
Syde2	chr3:145987869-146021720	0.1042	0.1283	0.3013	0.544433
Rpsa-ps10	chr3:150072589-150073620	0.7217	0.9411	0.3828	0.443696
Snord45b	chr3:153910562-153910633	14.3403	12.7966	-0.1643	0.623129
Gm26857	chr4:3678116-3689548	0.1599	0.2680	0.7455	0.187437
Gm10604	chr4:11979559-11981265	0.6337	0.7919	0.3215	0.475926
Gm11935	chr4:33452490-33452889	1.5983	1.9438	0.2824	0.521899
Gm12503	chr4:44092631-44109311	0.2916	0.1716	-0.7653	0.149289
Shb	chr4:45423277-45532470	0.1988	0.1630	-0.2864	0.566034
Gm22247	chr4:46495154-46495285	4.4752	5.1083	0.1909	0.559927
Gm12538	chr4:57413710-57414196	1.3198	1.3835	0.0680	0.787368
Bspry	chr4:62480052-62497298	0.3934	0.5193	0.4003	0.533398
Gm11211	chr4:62723515-62727537	0.9230	1.2172	0.3992	0.603201
C630043F03Rik	chr4:72201347-72215352	0.1527	0.2028	0.4096	0.465444
Gm12912	chr4:75147608-75148989	0.3206	0.5575	0.7982	0.035360
4930553M12Rik	chr4:88867881-88868379	1.2928	1.7100	0.4035	0.442162
Gm12786	chr4:107017934-107022499	1.6381	1.4227	-0.2033	0.634464
Gm12739	chr4:108484170-108484552	2.2416	2.9418	0.3922	0.166354
4930538K18Rik	chr4:119205106-119218217	0.3906	0.3612	-0.1131	0.762923
Rimk1a	chr4:119465282-119492628	0.1638	0.0698	-1.2304	0.128129
Gm12959	chr4:119553655-119554058	0.9045	1.1324	0.3242	0.625539
D130007C19Rik	chr4:123902128-123903634	0.3459	0.5584	0.6911	0.066533
Csf3r	chr4:126024549-126044440	0.2192	0.3990	0.8643	0.139751
Bai2	chr4:129984869-130022633	0.1337	0.1080	-0.3072	0.424979
Gm26716	chr4:130824393-130826313	1.1269	1.6272	0.5300	0.109211
Aunip	chr4:134510998-134523927	0.7651	0.8375	0.1305	0.759647
C1qb	chr4:136880128-136886187	0.2182	0.0929	-1.2322	0.403810
Gm13047	chr4:141084863-141085678	0.6105	0.5578	-1.1302	0.870445
Gm13039	chr4:143166602-143167396	0.7874	0.6502	-0.2762	0.529606
Trmt112-ps2	chr4:149457296-149457872	0.9278	0.4504	-1.0428	0.071210
Ctnnbip1	chr4:149518235-149566437	0.2705	0.3841	0.5057	0.372615
Prdm16	chr4:154316124-154636873	0.3552	0.1103	-1.6872	0.205869
Plch2	chr4:154983114-155056784	0.0623	0.0484	-0.3638	0.461729
Gabrd	chr4:155384979-155398112	0.2983	0.2597	-0.1998	0.906821
C030017K20Rik	chr4:155451569-155466530	0.4081	0.3353	-0.2831	0.864416
Oit3	chr10:59422957-59441778	0.2210	0.1606	-0.4607	0.276483
Phxr2	chr10:99125516-99126321	0.8754	0.5009	-0.8054	0.093990
Tns3	chr11:8431651-8664535	0.0445	0.1748	1.9726	0.007470
Gm23582	chr11:21249421-21249560	2.9217	5.5210	0.9181	0.142146
Gm22121	chr11:44469012-44469066	9.7521	7.2191	-0.4339	0.410558
Inca1	chr11:70688360-70700155	0.4463	0.3794	-0.2342	0.580270
Gm12335	chr11:75066435-75066762	1.6677	1.2630	-0.4010	0.490451
Serpinf2	chr11:75431731-75439591	0.1835	0.0917	-1.0013	0.259860
Tlcd2	chr11:75461714-75470899	0.3457	0.5896	0.7703	0.183918
Gm15892	chr11:88059065-88067476	0.4271	0.3867	-0.1433	0.793711
B4galnt2	chr11:95865942-95914891	0.3089	0.2256	-0.4536	0.539137
Gjd3	chr11:98982179-98983016	0.6979	0.3964	-0.8161	0.145315
Tns4	chr11:99065677-99089306	0.0886	0.0912	0.0426	0.928491
Gm11619	chr11:101353308-101353545	2.4812	2.0607	-0.2679	0.642388
Gm25593	chr11:101353341-101353437	4.4803	3.3524	-0.4184	0.572980
Rnu2-10	chr11:101658237-101658428	3.7118	2.6845	-0.4674	0.304023
AF251705	chr11:114996720-115001880	0.4242	0.5329	0.3290	0.624049

<i>Ppp1r27</i>	chr11:120549978-120551132	0.5909	0.9296	0.6536	0.190852
<i>Gm5786</i>	chr12:59081018-59081900	0.6950	0.5181	-0.4238	0.202658
<i>Kcnh5</i>	chr12:74897216-75177332	0.1459	0.1188	-0.2959	0.383879
<i>Gm16570</i>	chr12:81589434-81589870	1.1285	1.6024	0.5058	0.513373
<i>Gm26531</i>	chr12:85962597-85979014	0.2188	0.1649	-0.4080	0.593976
<i>Noxred1</i>	chr12:87221254-87233556	0.6570	0.5028	-0.3861	0.392660
<i>Bdkrb1</i>	chr12:105603084-105605428	0.4172	0.3290	-0.3430	0.541405
<i>Ighv9-3</i>	chr12:114140691-114141122	0.8535	0.0001	-13.0592	0.355918
<i>Gm5445</i>	chr13:12378157-12378640	0.5289	0.2198	-1.2667	0.467454
<i>Hist1h2ae</i>	chr13:23570516-23571220	1.1063	1.3666	0.3048	0.651896
<i>Serpib1a</i>	chr13:32842091-32851185	0.2918	0.4970	0.7681	0.320571
<i>Gm17364</i>	chr13:41273802-41273977	8.3735	9.0190	0.1071	0.887343
<i>Gm4149</i>	chr13:75644863-75645226	1.2304	0.9132	-0.4302	0.495052
<i>Actr3b</i>	chr5:25759996-25850342	0.1884	0.0627	-1.5867	0.271156
<i>Gm7420</i>	chr5:29217723-29218569	0.6209	0.4909	-0.3388	0.402286
<i>Gm5864</i>	chr5:32420002-32420972	0.4053	0.5732	0.4998	0.408088
<i>Gm15796</i>	chr5:38507462-38507666	3.7129	2.9285	-0.3424	0.474935
<i>N4bp2os</i>	chr5:65760990-65763866	0.6978	0.6514	-0.0992	0.845106
<i>Igfbp7</i>	chr5:77349239-77408045	0.6676	0.8456	0.3411	0.341276
<i>Slc4a4</i>	chr5:88886817-89239653	0.0748	0.0934	0.3215	0.472326
<i>Lrrc8dos</i>	chr5:105814772-105818988	1.2024	2.2250	0.8879	0.062697
<i>Cux2</i>	chr5:121857962-122050102	0.0382	0.0375	-0.0249	0.976499
<i>Gm15920</i>	chr5:130188394-130188796	1.3947	1.1158	-0.3219	0.351547
<i>Gm10369</i>	chr5:134676489-134680145	0.3686	0.6976	0.9205	0.073521
<i>Kpna7</i>	chr5:144983518-145084030	0.2005	0.3095	0.6264	0.063018
<i>Prrt4</i>	chr6:29169231-29179584	0.1875	0.1825	-0.0394	0.927108
<i>Rbpsuh-rs3</i>	chr6:46529350-46530922	0.3493	0.2970	-0.2341	0.527358
<i>Gm8566</i>	chr6:67205618-67206083	1.0312	1.3072	0.3422	0.514281
<i>Ptpro</i>	chr6:137252298-137464629	0.0816	0.1730	1.0844	0.050337
<i>Rassf8</i>	chr6:145746747-145821079	0.0803	0.1246	0.6343	0.168152
<i>Gm26891</i>	chr7:27927723-27931003	0.2518	0.3404	0.4349	0.227906
<i>Gm6537</i>	chr7:28756173-28758965	0.4519	0.4381	-0.0446	0.944675
<i>Gm15396</i>	chr7:44579967-44590624	0.5137	0.8074	0.6525	0.089672
<i>Grin2d</i>	chr7:45831882-45870928	0.1208	0.1741	0.5280	0.251018
<i>Rps11-ps5</i>	chr7:96435545-96435999	1.4377	0.8401	-0.7751	0.181919
<i>D830044I16Rik</i>	chr7:126971719-126976098	0.1910	0.1781	-0.1013	0.869106
<i>Gm10689</i>	chr8:25454272-25454704	1.3880	1.0958	-0.3409	0.472207
<i>Plvap</i>	chr8:71497753-71511769	0.2561	0.6133	1.2598	0.003337
<i>Hp</i>	chr8:109575129-109579172	0.7579	0.6198	-0.2903	0.644211
<i>Gm10614</i>	chr8:120589530-120593801	0.1964	0.1439	-0.4487	0.594163
<i>Pabpn1l</i>	chr8:122619470-122622739	0.3171	0.3313	0.0634	0.947085
<i>Zglp1</i>	chr9:21062392-21067093	0.7044	0.3809	-0.8869	0.235754
<i>S1pr5</i>	chr9:21242911-21248443	0.2911	0.1982	-0.5544	0.364586
<i>9530059O14Rik</i>	chr9:122572496-122679596	0.0547	0.1134	1.0511	0.147046
<i>Zfp449</i>	chrX:56346399-56365674	0.1844	0.3302	0.8409	0.023158
<i>Rpl3-ps2</i>	chrX:74170652-74171866	0.3840	0.3569	-0.1056	0.868628
<i>Gm15367</i>	chrX:75010589-75011605	0.4457	0.4546	0.0286	0.955330
<i>Gm26020</i>	chrX:105819882-105820065	3.2345	4.0488	0.3239	0.370950
<i>Gm6382</i>	chrX:142210883-142211825	0.5184	0.5512	0.0883	0.875614
<i>NA</i>	chrX:145601810-145602301	1.1154	0.9171	-0.2824	0.486416
<i>Gm25628</i>	chr15:64025947-64026052	5.8786	3.8005	-0.6293	0.145290
<i>4933427E11Rik</i>	chr15:74709160-74710374	0.3323	0.2657	-0.3224	0.737318
<i>Gm22067</i>	chr15:81592092-81592199	4.5902	5.8054	0.3388	0.610154
<i>Smc1b</i>	chr15:85064690-85131957	0.1192	0.1967	0.7231	0.117137
<i>Gm2178</i>	chr14:26514553-26514910	1.0500	1.3407	0.3526	0.684514
<i>Gm24916</i>	chr14:31015147-31015226	5.3890	7.3871	0.4550	0.443083
<i>Rnase4</i>	chr14:51091076-51106151	0.3362	0.5316	0.6611	0.210762
<i>Trav7n-4</i>	chr14:53091345-53091875	2.1286	2.4125	0.1806	0.756625
<i>Trdv5</i>	chr14:54148661-54149201	1.3316	1.0093	-0.3998	0.607450
<i>Mir18</i>	chr14:115043850-115043946	5.6806	7.5878	0.4176	0.326609
<i>T2</i>	chr17:8372395-8422728	0.2398	0.3930	0.7126	0.117572
<i>Prss27</i>	chr17:24038143-24045954	0.4092	0.3237	-0.3382	0.445825
<i>BC028777</i>	chr17:24208860-24221730	0.4104	0.3482	-0.2372	0.637771
<i>Gm8186</i>	chr17:26098871-26099257	2.0183	1.3951	-0.5328	0.272358
<i>Gm26940</i>	chr17:34024965-34025070	3.5341	1.6663	-1.0847	0.213583
<i>H2-Pa</i>	chr17:34084671-34085823	0.9476	0.5924	-0.6777	0.426455
<i>H2-Q1</i>	chr17:35320404-35325099	0.1741	0.1375	-0.3405	0.552186
<i>1700061G19Rik</i>	chr17:56875476-56888904	0.2123	0.2423	0.1904	0.612380
<i>Gm5815</i>	chr17:58593658-58594843	0.4477	0.5443	0.2818	0.492844
<i>Gm17228</i>	chr17:63346919-63347410	1.1138	2.1443	0.9451	0.075586
<i>Gm6142</i>	chr16:4320355-4320680	1.9438	2.6836	0.4653	0.384856

<i>Rpl39l</i>	chr16:10170225-10174911	0.2901	0.0453	-2.6775	0.396829
<i>Gm10343</i>	chr16:10801368-10801716	1.3859	1.3830	-0.0031	0.996254
<i>2610318N02Rik</i>	chr16:17113398-17125106	0.5980	0.7271	0.2821	0.596838
<i>Popdc2</i>	chr16:38362208-38378216	0.3562	0.4429	0.3144	0.599464
<i>Rpl21-ps5</i>	chr16:83371250-83371733	0.9125	0.5252	-0.7969	0.255041
<i>Kcnj15</i>	chr16:95257557-95300260	0.1061	0.0768	-0.4666	0.452207
<i>Tigd3</i>	chr19:5891138-5894107	0.3261	0.4371	0.4229	0.321205
<i>Gm16299</i>	chr19:53819353-53825128	0.3394	1.6579	2.2884	0.034502
<i>Snord89</i>	chr1:39548744-39548854	6.3189	7.0402	0.1559	0.742640
<i>Acmsd</i>	chr1:127729412-127767564	0.2275	0.2964	0.3819	0.309206
<i>Map3k19</i>	chr1:127815270-127840290	0.1512	0.1582	0.0653	0.860458
<i>Lct</i>	chr1:128284755-128328318	0.0723	0.1062	0.5560	0.213972
<i>NA</i>	chr1:153905300-153916910	1.5301	2.0269	0.4056	0.401830
<i>Gm26801</i>	chr1:177429046-177443270	0.5481	0.4845	-0.1780	0.740171
<i>4930532G15Rik</i>	chr1:185359460-185362865	0.8632	0.8375	-0.0437	0.945716
<i>9630028B13Rik</i>	chr1:185429356-185441819	0.1798	0.1342	-0.4223	0.139869
<i>Ankrd29</i>	chr18:12252361-12305720	0.1398	0.2226	0.6713	0.561280
<i>Prob1</i>	chr18:35652166-35655187	0.1502	0.1417	-0.0847	0.921988
<i>Eif3j2</i>	chr18:43475417-43477836	0.1904	0.1510	-0.3347	0.493581
<i>Stard6</i>	chr18:70472453-70501066	0.3039	0.3945	0.3765	0.142159
<i>Gm26398</i>	chr2:10504646-10504773	6.9947	3.8271	-0.8700	0.271705
<i>Gm24806</i>	chr2:10517336-10517426	5.7119	3.1749	-0.8473	0.148525
<i>C1q3</i>	chr2:13003456-13011747	0.2156	0.2090	-0.0448	0.934462
<i>Rnd3</i>	chr2:51130437-51149111	0.1239	0.4238	1.7738	0.079691
<i>Lrrn4</i>	chr2:132868304-132880891	0.1186	0.1808	0.6081	0.299160
<i>Gm14139</i>	chr2:150181754-150193279	0.3223	0.1598	-1.0125	0.252475
<i>Gm14176</i>	chr2:157901468-157902522	0.4687	0.7928	0.7581	0.086840
<i>Gm11464</i>	chr2:165980725-165992517	0.7565	0.5251	-0.5266	0.478995
<i>Igsf10</i>	chr3:59316734-59344256	0.0560	0.0823	0.5546	0.137851
<i>Snord73a</i>	chr3:86138790-86138858	9.9668	13.4351	0.4308	0.421067
<i>S100a11</i>	chr3:93520487-93526287	1.1309	1.5988	0.4994	0.347906
<i>Gm15551</i>	chr3:126667328-126669032	0.9693	1.0899	0.1691	0.620110
<i>Depdc1a</i>	chr3:159495432-159529955	0.2355	0.1784	-0.4007	0.605552
<i>Anks6</i>	chr4:47015668-47057306	0.0953	0.0793	-0.2637	0.755427
<i>Gm12542</i>	chr4:59889985-59894924	0.7613	0.8860	0.2189	0.582623
<i>Gm12846</i>	chr4:98664365-98666137	0.3830	0.7735	1.0142	0.243221
<i>Gm25827</i>	chr4:108521923-108522030	4.3246	4.6888	0.1167	0.851014
<i>Ldha-ps2</i>	chr4:119334388-119335445	0.4851	0.3420	-0.5041	0.338817
<i>Gm25604</i>	chr4:126860979-126861112	3.2256	3.0051	-0.1022	0.867967
<i>Gm23318</i>	chr4:148555696-148555804	4.5561	3.2112	-0.5047	0.438527
<i>Plagl1</i>	chr10:13090690-13131694	0.0528	0.2933	2.4731	0.057457
<i>D10Bwg1379e</i>	chr10:18588010-18743758	0.0725	0.1203	0.7308	0.264982
<i>Gm16546</i>	chr10:43319359-43319714	1.3895	1.0428	-0.4142	0.517838
<i>Aifm2</i>	chr10:61715262-61739260	0.1128	0.1042	-0.1144	0.892394
<i>Snord98</i>	chr10:62765575-62765640	6.9483	6.9456	-0.0006	0.999052
<i>1500009L16Rik</i>	chr10:83722864-83762761	0.5841	0.4730	-0.3045	0.662975
<i>Kitl</i>	chr10:100015629-100100413	0.1024	0.0455	-1.1711	0.430352
<i>Apon</i>	chr10:128254130-128255901	0.2507	0.2507	-0.0001	0.999893
<i>Gm12735</i>	chr11:3193515-3194263	1.1000	0.9676	-0.1851	0.542770
<i>Gas2l1</i>	chr11:5054131-5065327	0.0883	0.1385	0.6496	0.194947
<i>Gm11977</i>	chr11:6781677-6783138	0.4570	0.8847	0.9530	0.020718
<i>Gm12042</i>	chr11:21295559-21295860	1.9113	3.8064	0.9939	0.074999
<i>Wdpcp</i>	chr11:21572234-21898989	0.0890	0.1099	0.3052	0.566627
<i>Gm12259</i>	chr11:58865964-58867154	1.8673	1.8410	-0.0204	0.936446
<i>Gas7</i>	chr11:67455436-67688990	0.0369	0.1129	1.6119	0.107973
<i>Bcl6b</i>	chr11:70224127-70229798	0.1417	0.0995	-0.5100	0.353807
<i>Pipox</i>	chr11:77880614-77894096	0.2214	0.2218	0.0027	0.996534
<i>Myo1d</i>	chr11:80482125-80780025	0.0811	0.1360	0.7460	0.023164
<i>Cct6b</i>	chr11:82719249-82764321	0.3633	0.3792	0.0619	0.852447
<i>Heatr9</i>	chr11:83511735-83522175	0.1946	0.3957	1.0235	0.162015
<i>Ccl4</i>	chr11:83662583-83664683	0.5271	1.5667	1.5716	0.151064
<i>Wfdc17</i>	chr11:83703990-83706268	0.4339	0.6793	0.6468	0.518643
<i>Tbkbp1</i>	chr11:97136170-97151495	0.0930	0.1491	0.6803	0.294368
<i>Gm11614</i>	chr11:97723650-97725711	0.6117	0.4830	-0.3407	0.559500
<i>Gm11628</i>	chr11:102492438-102492609	2.2226	1.8330	-0.2781	0.709003
<i>Plcd3</i>	chr11:103070303-103101658	0.1439	0.1211	-0.2499	0.516964
<i>Wnt3</i>	chr11:103774149-103817957	0.1823	0.1871	0.0369	0.959621
<i>Ace</i>	chr11:105967944-105989964	0.0913	0.0890	-0.0373	0.964693
<i>Gm25556</i>	chr11:106186443-106186587	4.1299	4.3918	0.0887	0.827380
<i>NA</i>	chr11:106725257-106725450	2.8671	4.5091	0.6532	0.226212
<i>Cd300ld</i>	chr11:114982273-114989922	0.2265	0.2476	0.1285	0.766247

<i>BC018473</i>	chr11:116752166-116759373	0.0695	0.1555	1.1625	0.240446
<i>Gm16045</i>	chr11:117257648-117263437	0.1467	0.0835	-0.8137	0.374915
<i>Fam84a</i>	chr12:14147598-14152038	0.1809	0.5710	1.6584	0.178571
<i>Insm2</i>	chr12:55598916-55602018	0.2040	0.1971	-0.0497	0.909184
<i>Ak7</i>	chr12:105705981-105782447	0.1374	0.1433	0.0607	0.926459
<i>Tnfaip2</i>	chr12:111442468-111455018	0.0555	0.1032	0.8939	0.217984
<i>Itga1</i>	chr13:114958078-115101964	0.0790	0.1155	0.5481	0.606355
<i>Steap4</i>	chr5:7960471-7982213	0.0675	0.0001	-9.3977	0.309082
<i>Magi2</i>	chr5:20702276-20706049	0.6137	0.9295	0.5989	0.253888
<i>Gm22333</i>	chr5:24438485-24438586	5.9757	4.2433	-0.4939	0.572046
<i>Hgfac</i>	chr5:35041552-35048436	0.2196	0.4133	0.9124	0.200624
<i>Gm25551</i>	chr5:37092257-37092360	6.2345	6.0418	-0.0453	0.947583
<i>Snora26</i>	chr5:74093529-74093650	4.7990	6.6849	0.4782	0.195295
<i>2310040G07Rik</i>	chr5:76928367-76947758	0.7482	0.9425	0.3331	0.489911
<i>Gm23031</i>	chr5:92302173-92302292	4.1088	2.5226	-0.7038	0.472121
<i>Cxcl10</i>	chr5:92346637-92348889	0.1655	1.1070	2.7422	0.010675
<i>Gm24191</i>	chr5:106669998-106670121	4.5226	5.2785	0.2230	0.515782
<i>Miat</i>	chr5:112213227-112229395	0.0438	0.1479	1.7546	0.219032
<i>Cabp1</i>	chr5:115168688-115194381	0.2261	0.2146	-0.0749	0.886567
<i>Sds</i>	chr5:120476530-120483932	0.3157	0.3164	0.0029	0.995415
<i>Gm23171</i>	chr5:124257762-124258026	1.7237	1.6017	-0.1059	0.829714
<i>Mir702</i>	chr5:136991432-136991541	4.7820	5.0889	0.0897	0.795916
<i>Zan</i>	chr5:137378636-137477064	0.0268	0.0600	1.1634	0.162197
<i>Gm24311</i>	chr5:144013997-144014101	2.3802	3.9456	0.7292	0.433960
<i>Rasl11a</i>	chr5:146845070-146847726	0.2668	0.9700	1.8622	0.140126
<i>Gm13899</i>	chr6:17711686-17712941	0.4088	0.4293	0.0705	0.910284
<i>Dgki</i>	chr6:36846021-37300184	0.0802	0.2296	1.5178	0.206911
<i>Gm7452</i>	chr6:36956643-36960417	0.1231	0.1080	-0.1894	0.689639
<i>Prss2</i>	chr6:41521786-41525079	0.7727	0.9743	0.3344	0.508412
<i>Gm15550</i>	chr6:43373804-43374878	0.3619	0.3456	-0.0668	0.927888
<i>9530036M11Rik</i>	chr6:54146886-54150937	0.3776	0.5098	0.4332	0.398799
<i>Tnip3</i>	chr6:65590397-65634040	0.1107	0.2907	1.3926	0.236192
<i>Ndnf</i>	chr6:65671589-65706930	0.1250	0.2229	0.8340	0.127678
<i>Prdm5</i>	chr6:65778987-65936373	0.1568	0.1512	-0.0525	0.939115
<i>Gm15401</i>	chr6:72629287-72637717	0.2632	0.1908	-0.4638	0.330904
<i>0610040F04Rik</i>	chr6:108577038-108660934	0.2187	0.3153	0.5277	0.497348
<i>Gm23851</i>	chr6:124964284-124964387	5.0927	6.0088	0.2386	0.583888
<i>Gm26951</i>	chr6:128313336-128313997	1.0397	1.0308	-0.0125	0.968905
<i>Rpl18-ps2</i>	chr6:128313337-128313960	1.0147	1.0060	-0.0125	0.968905
<i>Clec7a</i>	chr6:129461590-129472777	0.3560	0.5564	0.6442	0.309222
<i>Apold1</i>	chr6:134982000-134986836	0.1463	0.1457	-0.0058	0.994575
<i>Bcam</i>	chr7:19756130-19771016	0.1303	0.2428	0.8978	0.311385
<i>Cox7a1</i>	chr7:30184170-30186028	1.5952	2.5032	0.6500	0.254513
<i>Slc7a10</i>	chr7:35186384-35204898	0.2703	0.4949	0.8725	0.403294
<i>Rgs9bp</i>	chr7:35578997-35585582	0.0583	0.0391	-0.5774	0.382692
<i>Plekhf1</i>	chr7:38220653-38227994	0.2161	0.2077	-0.0578	0.937274
<i>Plekh4</i>	chr7:45526329-45554229	0.1077	0.1422	0.4009	0.525729
<i>A830073O21Rik</i>	chr7:73738892-73740917	0.2530	0.2241	-0.1747	0.680085
<i>Gm24224</i>	chr7:79352487-79352745	2.7175	1.7373	-0.6455	0.301479
<i>NA</i>	chr7:104355397-104358646	0.2072	0.3879	0.9044	0.042401
<i>Trim30c</i>	chr7:104382064-104390586	0.2817	0.3230	0.1974	0.686874
<i>Tub</i>	chr7:109010824-109034460	0.0657	0.1131	0.7841	0.322638
<i>Tmem159</i>	chr7:120102375-120120992	0.2371	0.2404	0.0202	0.974697
<i>Gm16201</i>	chr7:139950395-139978977	0.2141	0.2848	0.4114	0.425075
<i>Gm16589</i>	chr8:4087542-4089900	0.2498	0.2927	0.2289	0.663217
<i>Nek5</i>	chr8:22073615-22125053	0.1240	0.1874	0.5953	0.419164
<i>Cilp2</i>	chr8:69880368-69887687	0.0907	0.1506	0.7313	0.444978
<i>Gm16183</i>	chr8:84611201-84617184	0.4522	0.6755	0.5790	0.389024
<i>Nol3</i>	chr8:105276446-105281939	0.2138	0.2260	0.0798	0.881586
<i>4933405L10Rik</i>	chr8:105708290-105710244	0.3430	0.3074	-0.1580	0.727233
<i>Gm24103</i>	chr8:111041947-111042024	5.2897	4.7015	-0.1701	0.858915
<i>Mkl1</i>	chr8:111311796-111338177	0.2143	0.5703	1.4121	0.027276
<i>Epor</i>	chr9:21958898-21963576	0.1911	0.4325	1.1785	0.059499
<i>Igsf9b</i>	chr9:27299227-27334763	0.0737	0.2032	1.4628	0.145485
<i>Kirrel3os</i>	chr9:34918232-34929509	0.1180	0.2738	1.2139	0.288231
<i>Gm25630</i>	chr9:35474884-35475046	2.9271	4.4291	0.5975	0.207869
<i>Nxpe4</i>	chr9:48362040-48400025	0.1276	0.2002	0.6500	0.230706
<i>Plet1</i>	chr9:50494524-50505639	0.2543	0.2887	0.1828	0.747055
<i>Calm4</i>	chr9:62858103-62875918	0.8979	1.8259	1.0240	0.060760
<i>Gm16353</i>	chr9:75132958-75134181	0.4129	0.6033	0.5469	0.142364
<i>Cd109</i>	chr9:78615545-78716253	0.0956	0.3891	2.0256	0.144357

NA	chr9:88723287-88731850	1.2363	1.1654	-0.0852	0.921224
Nek11	chr9:105162466-105395524	0.1678	0.1643	-0.0311	0.932416
Col6a4	chr9:105989453-106096783	0.0677	0.0495	-0.4516	0.239329
Mirlet7g	chr9:106178839-106178927	3.9583	3.7625	-0.0732	0.928506
Gm17399	chr9:118150230-118170376	0.4528	0.4198	-0.1091	0.766861
Slc22a13b-ps	chr9:119220487-119231692	0.3111	0.3912	0.3305	0.527281
Gm14450	chrX:5984771-5985011	2.1915	2.0896	-0.0687	0.891829
Slc25a43	chrX:36743658-36777202	0.2187	0.2113	-0.0499	0.940553
Rab33a	chrX:48519284-48530232	0.4675	0.3964	-0.2380	0.732194
Xlr	chrX:53777117-53797706	0.1646	0.0069	-4.5732	0.202288
Mir3112	chrX:134075315-134075397	5.0204	7.0537	0.4906	0.451367
Rai14	chr15:10568978-10714631	0.0493	0.0825	0.7420	0.528339
Ly6i	chr15:74979811-74983430	0.5577	0.4994	-0.1594	0.768689
C1qtnf6	chr15:78523345-78529625	0.2540	0.3170	0.3194	0.639737
Cacna1i	chr15:80287237-80398279	0.0396	0.0669	0.7588	0.205356
4930578M01Rik	chr15:98985964-98989281	0.4604	0.4548	-0.0178	0.979306
Soat2	chr15:102150525-102163474	0.3143	0.3953	0.3310	0.441241
Il17rd	chr14:27039000-27107286	0.0547	0.0346	-0.6633	0.509126
Gm15512	chr14:33365950-33370143	0.2268	0.2280	0.0080	0.988086
Nynrin	chr14:55854035-55874735	0.0769	0.1040	0.4357	0.427083
1700001G11Rik	chr14:66295333-66297129	0.4586	0.4690	0.0322	0.962522
Loxl2	chr14:69609170-69695833	0.0784	0.1491	0.9275	0.029579
Mir687	chr14:73206762-73206851	6.1860	4.7991	-0.3662	0.253126
Serp2	chr14:76532813-76556687	0.7989	1.0721	0.4244	0.519826
Mir20a	chr14:115044156-115044263	5.8361	7.6539	0.3912	0.108709
B930095G15Rik	chr14:121248705-121251497	0.1579	0.4154	1.3959	0.236636
3300005D01Rik	chr17:5798656-5803240	0.2933	0.3572	0.2846	0.742707
Slc22a2	chr17:12584188-12628465	0.1328	0.1662	0.3237	0.727653
Vmn1r-ps145	chr17:20969060-20969484	1.2282	1.7548	0.5147	0.131353
Tmprss3	chr17:31179271-31198975	0.1396	0.1553	0.1533	0.810100
Gm6034	chr17:36042960-36058645	0.3019	0.5526	0.8720	0.030388
Runx2os1	chr17:44735844-44737612	0.8084	0.6390	-0.3392	0.540208
Emr4	chr17:55749983-55853662	0.1253	0.1116	-0.1673	0.766623
Gm9320	chr17:70853766-70875965	1.3380	2.2391	0.7428	0.131440
Emilin2	chr17:71252175-71310965	0.1736	0.1589	-0.1283	0.815914
n-R5s29	chr17:78858933-78859052	3.6862	5.7841	0.6500	0.183404
AU021092	chr16:5211827-5222299	0.4082	0.3362	-0.2800	0.577870
Prm1	chr16:10796325-10796886	1.2719	0.9996	-0.3476	0.441510
Fgd4	chr16:16416916-16600549	0.0184	0.0194	0.0767	0.934203
Gm7873	chr16:18218169-18219313	0.6290	0.4619	-0.4456	0.523873
Gm6493	chr16:23014207-23017038	0.2363	0.2917	0.3039	0.642719
Slc51a	chr16:32475521-32487879	0.2729	0.3404	0.3186	0.715053
Ccdc80	chr16:45093401-45127924	0.0798	0.2290	1.5202	0.309904
Tagln3	chr16:45711229-45724608	0.5012	0.2660	-0.9141	0.331931
Retnlg	chr16:48872607-48874498	0.6685	0.4667	-0.5182	0.539240
Arl6	chr16:59612948-59639391	0.2511	0.2863	0.1893	0.440166
Tmem132a	chr19:10857821-10869940	0.1453	0.2091	0.5255	0.225805
Gda	chr19:21391306-21473445	0.0720	0.1127	0.6451	0.347222
Cpeb3	chr19:37021290-37208601	0.0721	0.1252	0.7948	0.238929
Gm24724	chr19:53159756-53159863	3.3448	3.3190	-0.0112	0.989822
Gm5828	chr1:16768269-16770138	0.2983	0.2619	-0.1875	0.443121
1500015O10Rik	chr1:43730601-43742578	0.6592	0.6044	-0.1252	0.869879
Gm16107	chr1:52873136-52873998	0.5853	0.5671	-0.0455	0.923162
4930558J18Rik	chr1:57359221-57377504	0.2350	0.2259	-0.0575	0.914600
Aox2	chr1:58278325-58379264	0.0977	0.0482	-1.0177	0.111975
Gm23966	chr1:58466514-58466621	3.6643	2.8031	-0.3865	0.585279
Fn1	chr1:71585522-71653171	0.0690	0.0581	-0.2477	0.764148
Cxcr2	chr1:74153988-74161238	0.1772	0.2024	0.1920	0.717302
Gm22549	chr1:87341454-87341561	4.2695	2.5997	-0.7157	0.443238
Ugt1a7c	chr1:88095061-88220002	0.1571	0.0913	-0.7830	0.176317
BC026585	chr1:157458579-157489060	0.2667	0.2614	-0.0292	0.948451
Tnfrsf18	chr1:161494654-161505290	0.1552	0.2712	0.8052	0.296401
Osbp1a	chr18:12755313-12941841	0.0822	0.0918	0.1605	0.708898
Cdc25c	chr18:34732996-34751533	0.3786	0.5975	0.6582	0.239219
E230025N22Rik	chr18:36684922-36695925	0.2898	0.3893	0.4259	0.474494
NA	chr18:50046739-50047152	1.7085	1.3245	-0.3674	0.669086
Pstpip2	chr18:77794544-77882007	0.2494	0.4044	0.6969	0.354690
Gm25451	chr2:10480364-10480485	3.7558	2.0027	-0.9072	0.155836
Gm22051	chr2:10506554-10506681	4.4442	4.5315	0.0281	0.939610
Gm24342	chr2:10509583-10509687	4.6699	3.3675	-0.4717	0.513268
Cacna1b	chr2:24603886-24763152	0.0356	0.0221	-0.6836	0.451159

<i>Lcn2</i>	chr2:32384632-32387797	0.1810	0.1978	0.1283	0.904576
<i>Garnl3</i>	chr2:32986365-33131654	0.0374	0.0241	-0.6316	0.301280
<i>Gm13407</i>	chr2:34412987-34413347	1.6772	3.0774	0.8756	0.144576
<i>Gm13408</i>	chr2:34564998-34565796	0.6334	0.8644	0.4485	0.317369
<i>Ptgs1</i>	chr2:36230425-36252272	0.0716	0.0451	-0.6679	0.583716
<i>Gm13511</i>	chr2:39216931-39217294	1.4519	1.6117	0.1506	0.740702
<i>Gcg</i>	chr2:62474529-62483650	0.1780	0.1665	-0.0960	0.943025
<i>Chn1</i>	chr2:73610659-73775346	0.0778	0.3209	2.0453	0.087893
<i>Gm4735</i>	chr2:80837126-80838762	0.2685	0.1956	-0.4568	0.521991
<i>Pak6</i>	chr2:118663302-118698020	0.0776	0.1251	0.6889	0.458880
<i>Sptbn5</i>	chr2:120046156-120085772	0.0407	0.0621	0.6106	0.377993
<i>Map1a</i>	chr2:121289599-121310832	0.0487	0.0594	0.2843	0.232014
<i>Frmf5</i>	chr2:121545528-121807087	0.1015	0.1413	0.4770	0.481301
<i>Sema6d</i>	chr2:124089968-124667770	0.0317	0.0471	0.5714	0.556319
<i>Gm14005</i>	chr2:128195992-128429349	0.3443	0.6102	0.8256	0.197765
<i>Il1a</i>	chr2:129299609-129309972	0.2904	0.3980	0.4548	0.393084
<i>Spca2-ps</i>	chr2:129378270-129379396	0.7855	0.7163	-0.1331	0.691208
<i>Mir103-2</i>	chr2:131288051-131288137	5.6692	2.2090	-1.3598	0.104644
<i>Gm11454</i>	chr2:163122605-163143959	0.4429	0.5614	0.3420	0.593624
<i>Mmp9</i>	chr2:164940779-164955850	0.2937	0.3028	0.0443	0.964260
<i>mt-Tp</i>	chrM:15355-15422	6.8126	12.6414	0.8919	0.019014
<i>Gm23686</i>	chr3:18177461-18177625	2.9934	2.1674	-0.4658	0.463789
<i>NA</i>	chr3:32365774-32367436	0.3876	0.3658	-0.0835	0.722621
<i>Ccdc144b</i>	chr3:36007246-36053547	0.0901	0.0938	0.0574	0.869628
<i>Ccdc169</i>	chr3:55137338-55172935	0.1372	0.1378	0.0071	0.991368
<i>Gm20627</i>	chr3:96254618-96256277	0.4774	0.2033	-1.2315	0.247030
<i>Atg4a-ps</i>	chr3:103644002-103646069	0.2373	0.2591	0.1264	0.843166
<i>Npnt</i>	chr3:132881744-132950291	0.1142	0.1700	0.5737	0.598758
<i>Gm16325</i>	chr3:146641931-146651715	0.1677	0.1378	-0.2832	0.582831
<i>St6galnac5</i>	chr3:152817080-152982246	0.0887	0.0843	-0.0729	0.906236
<i>Gm16231</i>	chr3:152943312-152943944	1.6205	2.2404	0.4673	0.423574
<i>Atp6v0d2</i>	chr4:19876840-19922605	0.1730	0.2560	0.5650	0.516931
<i>Gm11889</i>	chr4:23517361-23518440	0.4987	0.5924	0.2483	0.261901
<i>Fam219aos</i>	chr4:41517436-41518929	0.7198	1.0947	0.6048	0.235089
<i>Unc13b</i>	chr4:43058952-43264871	0.0272	0.0527	0.9555	0.280711
<i>Gm12430</i>	chr4:47453631-47454953	0.3979	0.5094	0.3563	0.503233
<i>Orm1</i>	chr4:63344559-63348163	0.6100	1.1422	0.9049	0.297439
<i>Gm12869</i>	chr4:107349038-107351353	1.4705	2.3379	0.6689	0.050582
<i>NA</i>	chr4:111807357-111808426	0.3263	0.1497	-1.1241	0.447079
<i>Skint3</i>	chr4:112232244-112300468	0.1279	0.3698	1.5321	0.102043
<i>Hpd1</i>	chr4:116819906-116821508	0.2493	0.3602	0.5309	0.293614
<i>Ermap</i>	chr4:119175456-119190011	0.0918	0.1075	0.2288	0.743053
<i>Rpl28-ps3</i>	chr4:126069866-126070280	1.1768	0.4681	-1.3301	0.016145
<i>Gm12944</i>	chr4:127056261-127056724	0.9857	1.3036	0.4032	0.312180
<i>Gm24636</i>	chr4:133171426-133171714	1.6861	3.3758	1.0015	0.097423
<i>Gm12990</i>	chr4:135403188-135403656	1.2226	1.6908	0.4678	0.175216
<i>Ephb2</i>	chr4:136647538-136835988	0.0421	0.0388	-0.1196	0.818825
<i>Tmem51</i>	chr4:142030991-142084304	0.1864	0.3849	1.0459	0.117177
<i>Gm13166</i>	chr4:146251828-146278434	0.3431	0.7560	1.1398	0.030623
<i>Rsph4a</i>	chr10:33905110-33916021	0.1327	0.2170	0.7100	0.055129
<i>Gm17148</i>	chr10:59708789-59709038	1.1897	1.5357	0.3684	0.556081
<i>Hcn2</i>	chr10:79716633-79736108	0.1303	0.1990	0.6105	0.290681
<i>Gipc3</i>	chr10:81337761-81343266	0.5269	0.5926	0.1694	0.474183
<i>Gm6283</i>	chr10:127313148-127314148	0.5051	0.5149	0.0278	0.940370
<i>Gm25361</i>	chr10:128402757-128402833	3.8394	5.7959	0.5942	0.296606
<i>Gm26393</i>	chr11:3656662-3656791	3.5348	5.2037	0.5579	0.247539
<i>Gm11975</i>	chr11:6559022-6559503	1.1546	1.4478	0.3265	0.376811
<i>NA</i>	chr11:20244705-20244913	1.3990	2.1218	0.6009	0.329725
<i>Mup-ps22</i>	chr11:55123694-55123937	1.1730	1.4903	0.3455	0.671360
<i>Gm12247</i>	chr11:58097103-58097773	0.5132	0.6027	0.2320	0.697706
<i>Obscn</i>	chr11:58994255-59136402	0.0122	0.0333	1.4539	0.004181
<i>Dnah2</i>	chr11:69420808-69549110	0.0141	0.0324	1.2018	0.143356
<i>Nlrp1c-ps</i>	chr11:71242429-71285232	0.0197	0.2771	3.8162	0.008469
<i>Gm22075</i>	chr11:72800286-72800478	2.5523	4.0049	0.6500	0.084134
<i>Gm22772</i>	chr11:77052946-77053067	1.8597	4.9378	1.4088	0.054567
<i>Gm22311</i>	chr11:83764637-83764747	3.2862	3.6890	0.1668	0.727498
<i>Gdgd1</i>	chr11:87033866-87074062	0.1781	0.2875	0.6913	0.025026
<i>Scpep1os</i>	chr11:88905927-88936061	0.2717	0.4217	0.6341	0.534532
<i>Gm11527</i>	chr11:95858161-95859174	0.6179	0.9496	0.6199	0.221257
<i>Rapgef1</i>	chr11:98836784-98853697	0.0417	0.1111	1.4133	0.037143
<i>Gm23849</i>	chr11:101627365-101627556	1.5689	1.5902	0.0195	0.985686

<i>Abca9</i>	chr11:110100748-110168196	0.0320	0.0438	0.4523	0.606410
<i>Snord1b</i>	chr11:116674147-116674222	3.2385	6.3089	0.9621	0.098359
<i>Gm17586</i>	chr11:120633767-120635125	0.1571	0.7381	2.2323	0.000621
<i>Gm12586</i>	chr11:121856772-121861227	0.2668	0.1781	-0.5828	0.577741
<i>Gm1818</i>	chr12:48554181-48559971	0.1668	0.1529	-0.1260	0.842048
<i>Gm23394</i>	chr12:55821062-55821153	3.6671	8.0595	1.1360	0.054131
<i>Rtn1</i>	chr12:72211751-72409054	0.0674	0.2150	1.6740	0.016493
<i>Scarna3b</i>	chr12:80391612-80391751	3.1152	6.7810	1.1222	0.035679
<i>Smoc1</i>	chr12:81026807-81186414	0.0052	0.1436	4.7943	0.181564
<i>Gm10433</i>	chr12:100187967-100193540	0.1224	0.2649	1.1139	0.223639
<i>AK157302</i>	chr13:21495222-21497146	0.2508	0.3243	0.3708	0.244376
<i>AK157302</i>	chr13:21495305-21495695	1.2369	1.5995	0.3709	0.244376
<i>Rnf144b</i>	chr13:47122719-47247991	0.1079	0.1803	0.7409	0.010250
<i>Mirlet7a-1</i>	chr13:48538178-48538272	2.7981	5.3197	0.9269	0.106506
<i>Tspan17</i>	chr13:54789376-54796776	0.1779	0.2317	0.3812	0.560703
<i>Gm16133</i>	chr13:63333136-63339959	0.2574	0.3654	0.5056	0.618803
<i>Gm22887</i>	chr5:22534736-22534843	4.4320	6.3025	0.5080	0.069279
<i>Gm15982</i>	chr5:74356565-74358415	0.8558	1.7992	1.0721	0.060508
<i>Anxa3</i>	chr5:96793384-96845968	0.0852	0.2861	1.7476	0.070137
<i>Gm5560</i>	chr5:97264827-97265719	0.3768	0.3694	-0.0285	0.966270
<i>Wdfy3</i>	chr5:101832955-102069921	0.0180	0.0458	1.3477	0.111253
<i>Sh2b2</i>	chr5:136218148-136244903	0.0845	0.1607	0.9267	0.165984
<i>Nxpe5</i>	chr5:138225897-138253363	0.0738	0.1129	0.6122	0.374010
<i>2900089D17Rik</i>	chr5:144241689-144256186	0.0665	0.2409	1.8581	0.003171
<i>1810059H22Rik</i>	chr5:148953747-148970122	0.1056	0.2132	1.0136	0.147828
<i>Gm15573</i>	chr6:53045883-53046423	0.6828	1.6592	1.2809	0.072468
<i>M1ap</i>	chr6:82946901-83030183	0.0747	0.3127	2.0665	0.011839
<i>Gm25178</i>	chr6:88405976-88406301	0.8687	2.0022	1.2046	0.077533
<i>Gm22591</i>	chr6:113060697-113060803	4.9536	5.4102	0.1272	0.683389
<i>Slc6a12</i>	chr6:121343075-121365775	0.0117	0.0853	2.8607	0.160388
<i>Clec4a4</i>	chr6:122990366-123024105	0.3514	0.8614	1.2936	0.078126
<i>Ltbr</i>	chr6:125306570-125313885	0.1172	0.2233	0.9305	0.087617
<i>Clec12a</i>	chr6:129342690-129365303	0.0913	0.0782	-0.2239	0.721391
<i>Klri2</i>	chr6:129729040-129740484	0.0711	0.1555	1.1282	0.035534
<i>Eps8</i>	chr6:137477244-137654876	0.0670	0.2246	1.7444	0.003448
<i>Gm15925</i>	chr7:3795903-3799631	0.1231	0.2128	0.7894	0.274994
<i>Slc8a2</i>	chr7:16130299-16160509	0.0329	0.0742	1.1735	0.368840
<i>Mir1964</i>	chr7:29773293-29773376	4.6205	7.3032	0.6605	0.045987
<i>Siglece</i>	chr7:43651069-43660161	0.1206	0.2914	1.2722	0.174986
<i>Spib</i>	chr7:44525994-44532071	0.1446	0.4073	1.4938	0.057323
<i>Anpep</i>	chr7:79821802-79848210	0.0471	0.1683	1.8371	0.093795
<i>6330403N20Rik</i>	chr7:80297727-80299616	0.3194	0.4958	0.6343	0.213582
<i>Rab30</i>	chr7:92741602-92837117	0.1257	0.2456	0.9659	0.170375
<i>Ucp3</i>	chr7:100472989-100486432	0.0964	0.1489	0.6271	0.199833
<i>4933440M02Rik</i>	chr7:125329642-125349772	0.0702	0.1101	0.6498	0.427083
<i>Il27</i>	chr7:126589009-126594941	0.2530	0.4100	0.6965	0.336034
<i>Syce1</i>	chr7:140777228-140787854	0.0129	0.8875	6.1037	0.344518
<i>Gm26102</i>	chr8:4274852-4275136	1.7139	2.0458	0.2554	0.131254
<i>Tlr3</i>	chr8:45395664-45410608	0.0571	0.1250	1.1308	0.112548
<i>Gm15354</i>	chr8:66384622-66387535	0.0307	0.2149	2.8063	0.020777
<i>Nanos3</i>	chr8:84173732-84176552	0.3381	0.5611	0.7308	0.262872
<i>Rtbdn</i>	chr8:84946990-84956603	0.1093	0.1867	0.7719	0.162532
<i>Lpcat2</i>	chr8:92855349-92919279	0.1144	0.2211	0.9505	0.071524
<i>Cdh5</i>	chr8:104101624-104144502	0.1021	0.1291	0.3389	0.519907
<i>Tmem231</i>	chr8:111912017-111933791	0.1580	0.2489	0.6554	0.284779
<i>Cdh13</i>	chr8:118283732-119324921	0.0439	0.0456	0.0560	0.874646
<i>Snai3</i>	chr8:122454205-122460692	0.0327	0.7861	4.5873	0.000247
<i>Fut4</i>	chr9:14748458-14752122	0.0864	0.1821	1.0754	0.144081
<i>Gm25558</i>	chr9:50887949-50888055	2.4592	4.1366	0.7503	0.156163
<i>Gm25313</i>	chr9:65196571-65196687	4.3164	5.2131	0.2723	0.342714
<i>Rnu5g</i>	chr9:65201725-65201841	2.4834	2.9000	0.2237	0.823533
<i>Ubap1l</i>	chr9:65361059-65380377	0.2920	0.3025	0.0509	0.921715
<i>Tmod2</i>	chr9:75565620-75611325	0.0148	0.0473	1.6718	0.097433
<i>5830418P13Rik</i>	chr9:103423577-103461255	0.1988	0.2572	0.3714	0.428696
<i>Bfsp2</i>	chr9:103424919-103480328	0.2159	0.4073	0.9154	0.007177
<i>Tlr9</i>	chr9:106222597-106226876	0.0441	0.1951	2.1455	0.007493
<i>Gpr82</i>	chrX:13661362-13667433	0.1101	0.6031	2.4543	0.001747
<i>Gm14890</i>	chrX:59196962-59197638	0.3608	0.6812	0.9167	0.064723
<i>Gm7327</i>	chrX:61785380-61786032	0.6671	0.8335	0.3212	0.116038
<i>Gm14698</i>	chrX:68821092-68825318	0.0906	0.1059	0.2250	0.592045
<i>Tktl1</i>	chrX:74177258-74208500	0.1535	0.3010	0.9719	0.015195

<i>Pin4</i>	chrX:102119446-102127669	0.6122	0.9516	0.6364	0.183930
<i>Btk</i>	chrX:134542335-134583570	0.1158	0.2539	1.1332	0.015839
<i>Gm5946</i>	chrX:150220715-150226021	0.1518	0.1737	0.1941	0.816467
<i>Gm15186</i>	chrX:159588464-159589027	0.8979	1.2211	0.4435	0.197537
<i>Lifr</i>	chr15:7129558-7197489	0.0360	0.0890	1.3054	0.024078
<i>Ctnnd2</i>	chr15:30172592-31029311	0.0473	0.0934	0.9805	0.102358
<i>Gm3362</i>	chr15:37943326-37943792	1.0673	1.5337	0.5231	0.296783
<i>Abra</i>	chr15:41865292-41869720	0.2853	0.4625	0.6966	0.134180
<i>Gm8221</i>	chr15:77626073-77626637	0.1533	0.6601	2.1061	0.205350
<i>4930415O2ORik</i>	chr15:98571003-98589588	0.5802	0.8090	0.4796	0.305792
<i>Gm9763</i>	chr15:99898286-99898556	1.5755	1.5575	-0.0166	0.980076
<i>Gm6043</i>	chr14:29217638-29218130	0.5632	0.9448	0.7464	0.229373
<i>Lrrc18</i>	chr14:32991381-33015292	0.0885	0.2169	1.2939	0.058702
<i>Ear2</i>	chr14:44102653-44103534	0.4635	0.6514	0.4910	0.559947
<i>Trav7d-4</i>	chr14:52769752-52770390	0.6651	1.1472	0.7865	0.253266
<i>Trav14d-1</i>	chr14:52855613-52856165	0.4315	1.0473	1.2792	0.154522
<i>Gm26751</i>	chr14:55864310-55874735	0.0690	0.1327	0.9441	0.118656
<i>Tnfrsf19</i>	chr14:60963833-61046855	0.0788	0.0757	-0.0569	0.933788
<i>Lacc1</i>	chr14:77024199-77036904	0.1247	0.2211	0.8262	0.089893
<i>Zbtbd6</i>	chr14:79451834-79454816	0.0989	0.1497	0.5974	0.314119
<i>Prss30</i>	chr17:23972125-23975230	0.2450	0.5134	1.0672	0.030340
<i>Ccdc154</i>	chr17:25162460-25171913	0.1999	0.2575	0.3651	0.376894
<i>Lhfp15</i>	chr17:28575717-28583593	0.1475	0.4082	1.4688	0.076751
<i>Gm25447</i>	chr17:31059603-31059731	2.1750	5.1916	1.2552	0.002935
<i>Gm23111</i>	chr17:33959662-33959767	3.9807	2.6006	-0.6142	0.454122
<i>Gm4152</i>	chr17:33980485-33980744	1.3385	2.4374	0.8648	0.046235
<i>Ncr3-ps</i>	chr17:35180534-35184662	0.7597	0.7709	0.0209	0.970889
<i>H2-M2</i>	chr17:37480850-37483552	0.1486	0.6099	2.0373	0.150707
<i>Spats1</i>	chr17:45448936-45474938	0.2992	0.6697	1.1624	0.013038
<i>Haao</i>	chr17:83831355-83846790	0.3100	0.9145	1.5607	0.018480
<i>0610012D04Rik</i>	chr17:87362238-87364462	0.9746	1.2255	0.3305	0.424840
<i>Gm15738</i>	chr16:13384173-13404686	0.7708	2.0726	1.4270	0.003680
<i>Slc7a4</i>	chr16:17572017-17576998	0.0980	0.0895	-0.1312	0.842427
<i>Bex6</i>	chr16:32186191-32186890	0.3223	0.5786	0.8442	0.426323
<i>Ctsf</i>	chr19:4855128-4860912	0.0978	0.2057	1.0725	0.159196
<i>Cdc42ep2</i>	chr19:5917555-5924816	0.1852	0.2787	0.5895	0.474221
<i>NA</i>	chr19:6359373-6359433	1.4487	3.7465	1.3708	0.415479
<i>Nrap</i>	chr19:56320034-56390037	0.0470	0.1005	1.0957	0.074589
<i>Slco5a1</i>	chr1:12866548-12991177	0.0281	0.0600	1.0954	0.171488
<i>Myo1b</i>	chr1:51749764-51916071	0.0288	0.0660	1.1939	0.043977
<i>Ccdc150</i>	chr1:54250682-54368727	0.0662	0.1399	1.0802	0.087987
<i>Snord70</i>	chr1:59691933-59692020	3.9885	3.1857	-0.3242	0.755013
<i>Gm26293</i>	chr1:59692508-59692592	4.6525	10.0770	1.1150	0.011347
<i>Mreg</i>	chr1:72159232-72212307	0.1418	0.3812	1.4266	0.016138
<i>n-R5s215</i>	chr1:85674881-85674985	4.2645	10.0743	1.2402	0.016771
<i>Gm24148</i>	chr1:86352007-86352087	4.8829	8.5209	0.8033	0.266209
<i>Dnajb3</i>	chr1:88204731-88205748	0.3074	0.5085	0.7260	0.137249
<i>Tnfrsf11a</i>	chr1:105780722-105847981	0.0562	0.1563	1.4761	0.071069
<i>Steap3</i>	chr1:120190756-120272705	0.0456	0.0647	0.5038	0.464388
<i>Cacna1s</i>	chr1:136052749-136119822	0.0286	0.1182	2.0476	0.008419
<i>Rgs18</i>	chr1:144752682-144775435	0.1036	0.2703	1.3832	0.149599
<i>Cacna1e</i>	chr1:154392518-154725920	0.0325	0.0761	1.2292	0.010654
<i>Rasal2</i>	chr1:157135182-157412595	0.0154	0.0450	1.5448	0.004759
<i>Sec16b</i>	chr1:157506727-157568425	0.0454	0.0951	1.0658	0.107341
<i>NA</i>	chr1:170277375-170285662	0.1148	0.3861	1.7501	0.043088
<i>Cadm3</i>	chr1:173334253-173367695	0.0444	0.0807	0.8618	0.204972
<i>AI607873</i>	chr1:173723429-173741809	0.0601	0.3086	2.3608	0.008410
<i>Batf3</i>	chr1:191098413-191108943	0.0513	0.3946	2.9429	0.194808
<i>Gm21747</i>	chr18:10781722-10785883	1.2226	1.3040	0.0930	0.729956
<i>Gm6457</i>	chr18:14570100-14570915	0.4676	0.5646	0.2721	0.620025
<i>Celf4</i>	chr18:25477631-25753983	0.0988	0.0930	-0.0869	0.872692
<i>Gm22200</i>	chr18:34941233-34941300	5.7026	12.4567	1.1272	0.010947
<i>Camk2a</i>	chr18:60925617-60988152	0.0562	0.1032	0.8765	0.157830
<i>Spire1</i>	chr18:67488208-67552777	0.0604	0.2249	1.8981	0.000006
<i>Gm13194</i>	chr2:4942173-4942484	1.5680	2.8436	0.8587	0.054074
<i>Gm13217</i>	chr2:9041116-9042484	0.1926	0.5150	1.4189	0.059747
<i>Itih2</i>	chr2:10094592-10131396	0.0897	0.1656	0.8837	0.043362
<i>NA</i>	chr2:26014594-26014747	3.0492	5.7160	0.9066	0.054630
<i>Pip5kl1</i>	chr2:32574796-32583782	0.1264	0.2887	1.1921	0.020063
<i>Olfml2a</i>	chr2:38931977-38963753	0.0621	0.0794	0.3548	0.408529
<i>Kynu</i>	chr2:43555328-43682715	0.0569	0.1439	1.3400	0.039695

<i>Scn3a</i>	chr2:65457117-65567627	0.0211	0.0527	1.3172	0.275643
<i>Nostrin</i>	chr2:69135799-69189330	0.0936	0.2656	1.5039	0.012240
<i>Dnmt3l-ps1</i>	chr2:83744483-83745736	0.3774	0.6592	0.8048	0.002863
<i>B230118H07Rik</i>	chr2:101560780-101649532	0.1055	0.1202	0.1878	0.739891
<i>Lmo2</i>	chr2:103957985-103981878	0.2578	0.4590	0.8321	0.154129
<i>Gm13991</i>	chr2:116527842-116528490	0.6690	1.1385	0.7670	0.021568
<i>Exd1</i>	chr2:119516504-119547627	0.0774	0.1071	0.4682	0.024525
<i>4930444E06Rik</i>	chr2:144243240-144244849	0.2141	0.5013	1.2273	0.120113
<i>Snph</i>	chr2:151590548-151632593	0.0487	0.0857	0.8149	0.238481
<i>4930519P11Rik</i>	chr2:154612936-154613437	0.8205	0.8735	0.0904	0.847151
<i>Cd40</i>	chr2:165055626-165072948	0.0354	0.2008	2.5029	0.052178
<i>Gm14274</i>	chr2:172100620-172101235	0.5112	0.6683	0.3866	0.579573
<i>Gm14429</i>	chr2:177852151-177855503	0.0537	0.2877	2.4220	0.014303
<i>C330013J21Rik</i>	chr2:177903339-177925613	0.2622	0.9842	1.9083	0.026606
<i>Gm25184</i>	chr2:181512549-181512712	3.6367	5.2144	0.5199	0.026877
<i>mt-Tq</i>	chrM:3771-3842	6.9298	8.8760	0.3571	0.380335
<i>mt-Tm</i>	chrM:3844-3913	6.2122	8.1440	0.3906	0.471721
<i>mt-Tt</i>	chrM:15288-15355	4.9440	13.7243	1.4730	0.011072
<i>Rps24-ps2</i>	chr3:3791896-3792295	0.9348	0.9793	0.0672	0.915316
<i>Sirpb1a</i>	chr3:15371826-15426427	0.3095	0.9043	1.5470	0.002442
<i>Lrrc34</i>	chr3:30624266-30647869	0.2847	0.2766	-0.0415	0.869349
<i>Gm12485</i>	chr3:100680264-100680555	1.9796	3.7336	0.9154	0.024997
<i>Slc44a5</i>	chr3:153973435-154271722	0.0241	0.0435	0.8529	0.449285
<i>Gm26254</i>	chr4:31998623-31998741	2.6523	4.6644	0.8144	0.101529
<i>Gm22849</i>	chr4:34683878-34684185	0.6176	1.7842	1.5305	0.028126
<i>n-R5s183</i>	chr4:41303157-41303272	3.6229	4.9972	0.4640	0.262939
<i>Gm25445</i>	chr4:53720901-53721200	0.9042	1.4665	0.6977	0.285981
<i>Gm12516</i>	chr4:55392316-55392701	0.9600	1.7218	0.8429	0.076325
<i>NA</i>	chr4:88760773-88761584	0.3085	0.7330	1.2487	0.085235
<i>Dock7</i>	chr4:98936664-99120915	0.0422	0.0717	0.7632	0.119077
<i>Gm22345</i>	chr4:108537490-108537597	3.0687	5.3626	0.8053	0.113539
<i>Mir761</i>	chr4:109017654-109017730	3.5369	6.3928	0.8540	0.116303
<i>9630013D21Rik</i>	chr4:109651528-109657853	0.1110	0.5383	2.2783	0.035395
<i>Gm23143</i>	chr4:117202527-117202643	3.0699	3.2367	0.0763	0.936938
<i>Mycl</i>	chr4:122995651-123002485	0.0476	0.1981	2.0556	0.016497
<i>Gm25600</i>	chr4:127108465-127108571	3.8175	3.9729	0.0575	0.923207
<i>Gm24313</i>	chr11:6619807-6619940	2.4033	3.4221	0.5099	0.486755
<i>Eldr</i>	chr11:16935153-16951282	0.1593	0.4336	1.4442	0.061349
<i>Gm12713</i>	chr11:26409206-26410501	0.2872	0.5852	1.0268	0.318704
<i>Rab11fip4os2</i>	chr11:79670371-79675128	0.5011	0.7728	0.6248	0.202507
<i>Gm11440</i>	chr11:85072468-85072995	0.4219	0.6969	0.7239	0.485682
<i>Samd14</i>	chr11:95009878-95026087	0.0721	0.1464	1.0217	0.167981
<i>Gm11712</i>	chr11:107386982-107388971	1.2624	2.3385	0.8895	0.034797
<i>Gm11657</i>	chr11:107994021-107994631	0.8348	1.2297	0.5587	0.369371
<i>Gprc5c</i>	chr11:114851151-114872617	0.0465	0.0636	0.4523	0.646881
<i>Mir1938</i>	chr12:40222711-40222811	5.5589	4.5602	-0.2857	0.569436
<i>Gm19898</i>	chr12:99245670-99245921	1.2393	2.7675	1.1590	0.087114
<i>Gpr137b</i>	chr13:13357622-13393624	0.0938	0.2498	1.4139	0.155769
<i>Tcrp-C4</i>	chr13:19342185-19352343	0.4614	0.8329	0.8523	0.272308
<i>5033430I15Rik</i>	chr13:45965252-45966500	0.5619	0.8615	0.6166	0.333916
<i>Zfp934</i>	chr13:62517499-62520544	0.2182	0.3641	0.7384	0.323147
<i>Gm8185</i>	chr13:76935162-76935831	0.5583	1.1097	0.9910	0.091864
<i>Gm24507</i>	chr13:90098980-90099114	2.5538	4.1970	0.7167	0.189242
<i>Gpr113</i>	chr5:30193430-30205722	0.0676	0.1575	1.2214	0.183934
<i>Ccdc96</i>	chr5:36484587-36488171	0.1073	0.1865	0.7978	0.163190
<i>NA</i>	chr5:105824510-105832434	0.1213	0.1947	0.6829	0.202573
<i>Gm15547</i>	chr5:121530562-121530895	1.3623	2.0599	0.5965	0.233244
<i>C130050O18Rik</i>	chr5:139405279-139415623	0.0833	0.1760	1.0795	0.068550
<i>Mkln1os</i>	chr6:31366884-31398773	0.0946	0.1641	0.7940	0.291324
<i>Gm7507</i>	chr6:84812239-84813247	0.3816	0.4003	0.0690	0.906430
<i>Gm10443</i>	chr6:86334006-86334316	0.4430	1.2918	1.5441	0.256528
<i>Ccdc37</i>	chr6:90403735-90428797	0.1168	0.2624	1.1675	0.057255
<i>Gm10011</i>	chr6:149147518-149147865	0.8558	1.4746	0.7850	0.230424
<i>Gm15784</i>	chr6:149361685-149363147	0.1334	0.2768	1.0531	0.199935
<i>Gm15773</i>	chr7:12603195-12604643	0.2269	0.4326	0.9311	0.279759
<i>Gm25282</i>	chr7:75668872-75668956	3.4909	5.0428	0.5306	0.536374
<i>BC051019</i>	chr7:109712180-109723850	0.2280	0.2292	0.0073	0.991528
<i>Scnn1b</i>	chr7:121865110-121918515	0.1226	0.2030	0.7271	0.377645
<i>Gm5903</i>	chr7:130343524-130354373	0.1100	0.1464	0.4114	0.183496
<i>lfitm1</i>	chr7:140967220-140969825	0.2194	0.5980	1.4465	0.073287
<i>1700029H14Rik</i>	chr8:13550732-13562461	0.2200	0.5872	1.4164	0.029851

Gm3235	chr8:91621447-91629729	0.4968	1.0527	1.0834	0.068562
Tsnaxip1	chr8:105827743-105844676	0.1548	0.2471	0.6749	0.275623
1190005106Rik	chr8:120608601-120647632	0.2784	0.3862	0.4721	0.487739
Tubb3	chr8:123411423-123422015	0.2229	0.4711	1.0799	0.095782
Gm23008	chr9:20890756-20890836	6.2648	10.0265	0.6785	0.069003
Lct1	chr9:64117146-64138118	0.1359	0.2089	0.6198	0.298676
Aph1c	chr9:66814993-66834726	0.0434	0.1009	1.2186	0.074955
Rpl22-ps1	chrX:8038610-8038996	1.4001	1.6218	0.2120	0.647351
Spin4	chrX:95022506-95026682	0.0638	0.2712	2.0883	0.089569
Gm14858	chrX:102252521-102365498	0.1339	0.3481	1.3777	0.164277
Gm9143	chrX:103037623-103038368	0.6818	0.7069	0.0520	0.900286
Gm9670	chrX:103506811-103507589	0.6427	1.7694	1.4609	0.014396
Gm14869	chrX:109120800-109121684	0.3573	0.6428	0.8474	0.271041
Mdm4-ps	chrX:128261410-128267924	0.0881	0.1245	0.4988	0.268506
Arl13a	chrX:134187500-134208028	0.0895	0.3476	1.9578	0.049403
Mroh5	chr15:73761409-73839699	0.0537	0.1037	0.9475	0.205006
2010109103Rik	chr15:74878335-74881704	0.2188	0.4834	1.1433	0.127594
Scube1	chr15:83602582-83725021	0.0502	0.0556	0.1469	0.735513
Gm10916	chr14:50769247-50769730	0.9572	1.4519	0.6011	0.173016
Lrrc16b	chr14:55491092-55508246	0.0339	0.0920	1.4392	0.155599
Hspa1b	chr17:34956435-34959238	0.0194	0.1375	2.8223	0.305635
Ier3	chr17:35821683-35822923	0.2115	0.6060	1.5190	0.019079
Gm10499	chr17:36141757-36145923	0.1921	0.4027	1.0675	0.153999
Gm25973	chr17:36842225-36842352	2.6844	3.8366	0.5153	0.394607
Gm17168	chr17:57041774-57047143	1.0993	1.3210	0.2650	0.619682
Cebpd	chr16:15887285-15888466	0.3421	0.4255	0.3146	0.612801
Tssk1	chr16:17894202-17895651	0.1525	0.3703	1.2800	0.257720
Gm15694	chr16:31987177-31987460	1.6131	2.2758	0.4965	0.099764
Gm17227	chr19:7297657-7304528	0.4669	0.8078	0.7908	0.084413
Gsto2	chr19:47865544-47886324	0.2186	0.3297	0.5927	0.356907
Slc11a1	chr1:74375202-74386062	0.1133	0.1633	0.5268	0.384222
Serpine2	chr1:79794196-79858696	0.0918	0.1153	0.3283	0.667930
Fbxo36	chr1:84839840-84900487	0.1800	0.2846	0.6607	0.203356
Gm25612	chr1:134505337-134505463	3.6155	5.9349	0.7150	0.026538
Mroh3	chr1:136181473-136207097	0.1070	0.2897	1.4364	0.195360
Pla2g4a	chr1:149829617-149961290	0.0443	0.1020	1.2025	0.021424
Selp	chr1:164115263-164150026	0.0906	0.1995	1.1396	0.041995
Gm13184	chr2:3468612-3474546	0.7111	1.1470	0.6898	0.179445
Gm13262	chr2:9906177-9914678	0.1174	0.3258	1.4724	0.111985
Nron	chr2:33805815-33813591	0.1527	0.2590	0.7625	0.227527
Gm24644	chr2:104040668-104040807	2.6118	5.1403	0.9768	0.090313
Gm14057	chr2:130803500-130803982	0.5739	1.1772	1.0366	0.132594
Jag1	chr2:137081455-137116644	0.0418	0.0935	1.1629	0.054292
Gm11460	chr2:165666496-165666857	0.8964	1.2986	0.5348	0.488743
Gm25265	chr2:166682073-166682420	1.2989	1.7233	0.4080	0.264649
Rps19-ps4	chr18:42252397-42252835	0.7520	0.9309	0.3079	0.622036
Ticam2	chr18:46559154-46574533	0.0975	0.2323	1.2527	0.102069
Gm4950	chr18:51865263-51865881	0.3992	0.4497	0.1719	0.873027
Pde6a	chr18:61220481-61289924	0.0680	0.1417	1.0596	0.137061
Gm10532	chr18:75514644-75522806	0.1122	0.1638	0.5469	0.480912
mt-Tw	chrM:4949-5016	3.0318	11.6922	1.9473	0.002342
Kcnmb3	chr3:32472320-32491969	0.1401	0.8507	2.6021	0.086791
Rpl32-ps	chr3:69716985-69717393	1.1048	1.2305	0.1554	0.731767
Gm8813	chr3:84552857-84553452	0.4816	1.1111	1.2060	0.042713
Bcl2l15	chr3:103832600-103854618	0.1346	0.3257	1.2754	0.045006
Ccin	chr4:43983503-43985533	0.1618	0.1553	-0.0588	0.950140
Klf4	chr4:55527142-55532466	0.0857	0.2284	1.4132	0.011481
Gm11210	chr4:62705980-62725737	0.6235	1.0601	0.7658	0.183355
Gm11212	chr4:63350410-63353846	0.5454	1.7387	1.6725	0.049424
8030451A03Rik	chr4:63979853-64149924	0.0751	0.2646	1.8173	0.136594
Gm11226	chr4:70248635-70249373	0.3611	0.5960	0.7229	0.393899
Gm12607	chr4:89161698-89162191	0.7315	1.2077	0.7233	0.087541
Ak4	chr4:101419276-101466995	0.0602	0.1365	1.1801	0.006017
Ldlrad1	chr4:107209179-107218060	0.3164	0.5197	0.7161	0.298457
Kdf1	chr4:133518962-133530790	0.1629	0.2575	0.6606	0.145126
Ccnd3-ps	chr4:139345299-139346180	0.5880	0.9454	0.6851	0.025360
Gm16074	chr10:3992370-3992814	0.6682	1.1921	0.8352	0.158556
Mir5104	chr10:7836380-7836474	2.3954	5.3317	1.1543	0.103961
Nodal	chr10:61417971-61425338	0.1896	0.3330	0.8131	0.110788
Aldh1l2	chr10:83487449-83534140	0.0391	0.0909	1.2161	0.091612
Slc39a5	chr10:128395933-128401224	0.1461	0.3171	1.1182	0.040660

Gm26347	chr10:128435913-128436044	2.6792	4.1504	0.6315	0.176903
Wsb2-ps	chr11:62749851-62752787	0.0542	0.1104	1.0263	0.333392
Gm12303	chr11:68035037-68035710	0.6549	0.7804	0.2530	0.647586
P2rx1	chr11:72999102-73015200	0.1038	0.1305	0.3311	0.691371
Gm11425	chr11:83027499-83027997	0.7039	0.9762	0.4719	0.365053
Gm11439	chr11:85095140-85095549	1.2004	2.2569	0.9108	0.328523
Mir378b	chr11:88352772-88352864	1.9202	3.7908	0.9813	0.355565
Mir5119	chr11:98262605-98262662	8.1351	9.3005	0.1931	0.707900
Cep112	chr11:108425191-108860615	0.0256	0.1079	2.0758	0.062978
Gm23167	chr12:4999265-4999368	0.8486	3.0436	1.8426	0.251003
Klhl29	chr12:5077471-5375682	0.0313	0.0873	1.4788	0.054942
Akap6	chr12:52699382-53151015	0.0335	0.0693	1.0491	0.323955
Gm3086	chr12:69963472-69969721	0.7968	0.9563	0.2633	0.526096
Gm7985	chr12:71846310-71847291	0.2590	0.4921	0.9260	0.270851
Flrt2	chr12:95692225-95785215	0.0303	0.1331	2.1372	0.090575
Gm20036	chr12:101913239-101915335	0.4328	0.7676	0.8266	0.167530
Serpina9	chr12:103994742-104013755	0.0909	0.2465	1.4397	0.030699
Amn	chr12:111271110-111276426	0.1220	0.3176	1.3802	0.195673
Ighj1	chr12:113429780-113429833	4.5102	11.0310	1.2903	0.211434
Ighv3-6	chr12:114288156-114288582	0.0001	0.8044	12.9736	0.239954
Gm26601	chr13:9387138-9391741	0.1381	0.2839	1.0394	0.061038
Tcrg-C2	chr13:19305059-19307551	0.7632	1.0004	0.3904	0.570409
9330162012Rik	chr13:24937400-24941417	0.0636	0.1396	1.1345	0.074894
Gm11365	chr13:29940282-29942261	0.1334	0.6811	2.3520	0.076671
Gmpr	chr13:45507443-45546382	0.0624	0.1947	1.6404	0.245832
Gm25109	chr13:94517161-94517275	1.5039	3.1129	1.0496	0.304570
Gm21976	chr13:98279886-98307154	0.2501	0.4237	0.7607	0.235073
Esm1	chr13:113209658-113218098	0.1807	0.8709	2.2688	0.156724
Ppbp	chr5:90768517-90770060	0.3854	0.4090	0.0857	0.873867
Gm24097	chr5:104936650-104936757	4.3695	4.1728	-0.0665	0.889568
Gm8152	chr5:107381380-107382017	0.1659	0.4641	1.4840	0.288619
Vwde	chr6:13185612-13224965	0.0378	0.0967	1.3566	0.279603
Fscn3	chr6:28427788-28438622	0.1492	0.1857	0.3160	0.701510
Gm15532	chr6:119892919-119893803	0.1972	0.3260	0.7249	0.561794
Klra2	chr6:131219222-131247362	0.0835	0.1438	0.7839	0.555704
Gm17088	chr6:134168878-134172007	0.6568	1.1135	0.7615	0.120251
Ncr1	chr7:4337723-4345164	0.1397	0.4671	1.7419	0.311883
Hif3a	chr7:17031506-17062427	0.0725	0.1099	0.6003	0.250284
Hipk4	chr7:27523266-27531175	0.1111	0.1138	0.0347	0.963843
Gm23368	chr7:30100839-30100935	4.8903	6.7354	0.4618	0.407207
Hpn	chr7:31098724-31115290	0.1347	0.2137	0.6657	0.141269
Zfp939	chr7:39449517-39474335	0.1296	0.2946	1.1848	0.025989
Dlg2	chr7:91090705-92447003	0.0202	0.0886	2.1334	0.153929
Phox2a	chr7:101818312-101823166	0.1379	0.3423	1.3118	0.037147
9130208D14Rik	chr7:105824222-105831515	0.0193	0.0712	1.8823	0.019238
Trim66	chr7:109449005-109508134	0.0177	0.0292	0.7231	0.523882
Gm4535	chr7:141406529-141407326	0.2181	0.7584	1.7979	0.016547
Tnfsf13b	chr8:10006842-10035441	0.1689	0.6231	1.8835	0.231557
Enpp6	chr8:46986924-47094895	0.0435	0.1081	1.3139	0.066362
Frem3	chr8:80611079-80695356	0.0899	0.0795	-0.1770	0.689656
4930579O11Rik	chr8:81665875-81667118	0.1211	0.6280	2.3751	0.098060
A330008L17Rik	chr8:99416641-99733438	0.0184	0.0685	1.8990	0.066072
Tppp3	chr8:105467492-105471526	0.1783	0.3276	0.8777	0.010675
Gm23193	chr8:111194963-111195045	1.8502	4.2607	1.2034	0.522849
Vat1l	chr8:114205611-114374071	0.0571	0.1920	1.7498	0.161449
Adamts8	chr9:30942561-30963838	0.0541	0.1034	0.9350	0.168890
Tmem45b	chr9:31426198-31464238	0.3186	0.2801	-0.1859	0.705556
Tmem25	chr9:44793775-44799307	0.1380	0.2311	0.7435	0.243743
Ttc36	chr9:44799399-44802951	0.4744	0.8397	0.8237	0.288938
Gm684	chr9:51270257-51278554	0.1612	0.3701	1.1989	0.225045
Dmxl2	chr9:54365157-54501760	0.0187	0.0302	0.6937	0.439299
Irga11	chr9:62677825-62783982	0.0735	0.0973	0.4032	0.549493
Slc24a1	chr9:64922860-64951607	0.0739	0.1459	0.9806	0.233341
Gm16144	chr9:69477028-69479598	0.3750	0.5190	0.4689	0.530654
Gm24615	chr9:70475483-70475596	1.2444	3.9769	1.6762	0.072886
6430571L13Rik	chr9:107340601-107352422	0.1486	0.2087	0.4899	0.121976
Gm23034	chr9:108795242-108795388	2.1243	3.4384	0.6948	0.145665
Zfp651	chr9:121760032-121771742	0.0482	0.1093	1.1800	0.204894
Gm25341	chr9:122812563-122812831	0.5678	1.6037	1.4980	0.068778
Gm9159	chrX:103597770-103598336	0.7488	0.8717	0.2193	0.629465
Gm26415	chrX:109115224-109115516	0.3585	1.0400	1.5364	0.276046

<i>Col4a6</i>	chrX:141165402-141474076	0.0373	0.0575	0.6243	0.437851
<i>Gm5763</i>	chrX:142631482-142634015	0.1373	0.2680	0.9646	0.328728
<i>Scml2</i>	chrX:161117192-161258213	0.0654	0.0898	0.4578	0.208141
<i>Gm21887</i>	chrX:170009658-170019281	0.5940	0.9133	0.6208	0.020627
<i>n-R5s39</i>	chr15:39146379-39146487	1.2589	2.5171	0.9997	0.492789
<i>Csf2rb2</i>	chr15:78282516-78305603	0.0153	0.1006	2.7184	0.024611
<i>Gm15722</i>	chr15:86087639-86090060	0.4691	0.9512	1.0199	0.074899
<i>Lima1</i>	chr15:99778469-99875428	0.0622	0.0850	0.4515	0.307317
<i>Cela1</i>	chr15:100674424-100687920	0.3286	0.5957	0.8584	0.245532
<i>1700087M22Rik</i>	chr14:30770680-30778004	1.6596	2.0689	0.3181	0.622249
<i>Trav6-3</i>	chr14:53428710-53430375	1.0013	1.2316	0.2986	0.648883
<i>Rem2</i>	chr14:54476099-54480431	0.1860	0.3147	0.7584	0.260894
<i>Cldn20</i>	chr17:3532553-3533213	0.4714	0.9553	1.0191	0.111527
<i>Gm2885</i>	chr17:6798389-6827990	0.0956	0.2360	1.3029	0.317738
<i>Gm16386</i>	chr17:22784797-22817741	0.2406	0.6219	1.3699	0.046869
<i>Prss41</i>	chr17:23836784-23844172	0.1466	0.2050	0.4838	0.525108
<i>Mir3547</i>	chr17:25245540-25245650	2.5217	3.3913	0.4275	0.666928
<i>Gm10012</i>	chr17:25901855-25902227	0.9642	1.4360	0.5747	0.268635
<i>NA</i>	chr17:30485510-30485963	0.7746	1.2858	0.7312	0.181139
<i>Pla2g7</i>	chr17:43568097-43612201	0.0977	0.1820	0.8970	0.215420
<i>Abcg8</i>	chr17:84676301-84700333	0.1058	0.1069	0.0161	0.977780
<i>Gm24145</i>	chr16:11167104-11167267	2.2527	3.8074	0.7572	0.157307
<i>Gm15897</i>	chr16:11494820-11496306	0.1347	0.3556	1.4002	0.175601
<i>Snord66</i>	chr16:20684238-20684313	4.8010	7.7928	0.6988	0.072959
<i>Gm15696</i>	chr16:31970361-31970806	0.8673	1.2257	0.4991	0.144345
<i>Boc</i>	chr16:44485044-44558897	0.0421	0.1411	1.7446	0.125046
<i>Epha3</i>	chr16:63543537-63864158	0.0065	0.0827	3.6601	0.025157
<i>B3galt5</i>	chr16:96235800-96319859	0.0403	0.0782	0.9566	0.295003
<i>Sema4c</i>	chr1:36548641-36558349	0.0980	0.1531	0.6436	0.359672
<i>Ecel1</i>	chr1:87147654-87156521	0.0541	0.2320	2.0999	0.220219
<i>Tnn</i>	chr1:160085035-160153580	0.0496	0.1317	1.4089	0.026763
<i>Tgfb2</i>	chr1:186623185-186705992	0.0477	0.0778	0.7051	0.557428
<i>Gpr152</i>	chr19:4139798-4145738	0.0855	0.1395	0.7053	0.280332
<i>Naaladl1</i>	chr19:6105781-6115792	0.1965	0.1712	-0.1984	0.667092
<i>Gldc</i>	chr19:30098448-30175418	0.0971	0.1546	0.6700	0.286835
<i>Pde6c</i>	chr19:38132780-38183947	0.0660	0.1639	1.3133	0.081894
<i>Cyp17a1</i>	chr19:46667164-46672974	0.0564	0.2128	1.9157	0.025341
<i>Neurl1a</i>	chr19:47178819-47259440	0.0853	0.1487	0.8015	0.316791
<i>Gucy2g</i>	chr19:55198296-55241236	0.0322	0.1784	2.4690	0.089020
<i>Sh3rf2</i>	chr18:42053666-42158960	0.0491	0.2431	2.3080	0.083264
<i>Gm22005</i>	chr2:3291377-3291518	2.2201	3.7715	0.7645	0.217720
<i>Gm13388</i>	chr2:6431785-6436033	0.3682	1.5950	2.1149	0.001752
<i>Gm13387</i>	chr2:25122602-25145396	0.0889	0.1383	0.6377	0.436926
<i>Fcnaos</i>	chr2:25607891-25631761	0.2275	0.3072	0.4331	0.464660
<i>Barhl1</i>	chr2:28907678-28916668	0.0923	0.1723	0.9001	0.068147
<i>Gm13428</i>	chr2:36137338-36137703	0.6063	1.0372	0.7746	0.341475
<i>Gm13510</i>	chr2:49185017-49185446	0.9052	1.2269	0.4387	0.456628
<i>NA</i>	chr2:73012853-73012927	5.7026	8.6405	0.5995	0.563183
<i>Gm13665</i>	chr2:73116747-73117275	0.6745	0.6294	-0.0997	0.919984
<i>D230022J07Rik</i>	chr2:73386969-73420498	0.2288	0.4706	1.0406	0.246978
<i>Gm13689</i>	chr2:80549711-80550396	0.4332	0.6710	0.6312	0.483135
<i>n-R5s200</i>	chr2:84700747-84700860	2.0440	3.6882	0.8516	0.401656
<i>4933423P22Rik</i>	chr2:90479235-90488425	0.0348	0.1504	2.1129	0.075115
<i>Elf5</i>	chr2:103411687-103450989	0.0541	0.0641	0.2429	0.757923
<i>Lgr4</i>	chr2:109917646-110014257	0.0354	0.0766	1.1136	0.155324
<i>Kcnp3</i>	chr2:127456497-127522094	0.0433	0.1514	1.8062	0.053400
<i>Slc24a3</i>	chr2:145167753-145642166	0.0631	0.1822	1.5300	0.123014
<i>Gm24411</i>	chr2:158356423-158356554	4.1334	4.7153	0.1900	0.602900
<i>Gm2464</i>	chr3:13471905-13474596	0.0531	0.1562	1.5551	0.271164
<i>Oaz3</i>	chr3:94433389-94436616	0.2278	0.4547	0.9971	0.234954
<i>NA</i>	chr3:103324232-103324303	3.4205	5.1039	0.5774	0.558515
<i>Oaz2-ps</i>	chr3:135525963-135526532	0.6088	1.0055	0.7238	0.550781
<i>Gm24457</i>	chr3:142772971-142773076	1.3580	4.7317	1.8008	0.013158
<i>Cdh17</i>	chr4:11758146-11817895	0.0350	0.0987	1.4977	0.377275
<i>Gm11839</i>	chr4:12114283-12116236	0.0960	0.1646	0.7779	0.460784
<i>Gm11847</i>	chr4:12232779-12238024	0.0336	0.1335	1.9898	0.135781
<i>Gm11865</i>	chr4:16246268-16249514	0.3583	0.5213	0.5412	0.454550
<i>NA</i>	chr4:56897625-56897757	1.5573	3.0828	0.9852	0.241171
<i>Tlr4</i>	chr4:66827583-66930284	0.0621	0.1789	1.5256	0.041971
<i>Gm16686</i>	chr4:88755194-88755590	0.4378	1.1838	1.4352	0.072860
<i>Gm12850</i>	chr4:107270433-107270869	0.8293	1.2146	0.5505	0.354108

<i>Gm23138</i>	chr4:108498043-108498146	3.4168	4.3127	0.3360	0.627360
<i>Gm12808</i>	chr4:109754413-109754817	0.6297	0.8955	0.5080	0.578927
<i>Fndc5</i>	chr4:129136998-129144593	0.1000	0.2186	1.1284	0.009556
<i>Gm15951</i>	chr4:147520467-147520867	0.7451	0.8540	0.1968	0.791827
<i>Gm16024</i>	chr4:155616408-155616787	2.8832	3.1899	0.1458	0.803200
<i>NA</i>	chr4:156130512-156133415	0.0663	0.1672	1.3348	0.177714
<i>Perp</i>	chr10:18845070-18857073	0.1485	0.2612	0.8150	0.310530
<i>2010107G23Rik</i>	chr10:62107654-62143920	0.1088	0.2155	0.9867	0.079932
<i>Rtkn2</i>	chr10:67979569-68059740	0.0282	0.0874	1.6310	0.057773
<i>Tmem26</i>	chr10:68723745-68782654	0.0195	0.0566	1.5383	0.379295
<i>Tle6</i>	chr10:81590903-81601073	0.0788	0.1552	0.9784	0.142617
<i>Dram1</i>	chr10:88322803-88379080	0.0962	0.1432	0.5735	0.493925
<i>Pawr</i>	chr10:108332188-108414391	0.1861	0.2729	0.5527	0.493189
<i>Kif5a</i>	chr10:127225695-127263363	0.0470	0.0880	0.9062	0.023849
<i>Selm</i>	chr11:3514683-3517351	0.0695	0.3037	2.1280	0.195148
<i>Gm12039</i>	chr11:21280044-21280224	1.6159	2.4175	0.5812	0.386957
<i>Ebf1</i>	chr11:44617316-45008091	0.0224	0.0294	0.3888	0.709643
<i>Gm12186</i>	chr11:48996686-48997713	0.1987	0.5258	1.4037	0.013339
<i>B9d1</i>	chr11:61505143-61512931	0.0902	0.1932	1.0997	0.359893
<i>Gm10418</i>	chr11:70540022-70540600	0.2892	0.6190	1.0979	0.260344
<i>Aanat</i>	chr11:116586431-116597680	0.2068	0.3379	0.7087	0.276263
<i>St6galnac1</i>	chr11:116765024-116775507	0.0531	0.1548	1.5447	0.244587
<i>Gm22343</i>	chr12:4394481-4394767	1.6463	1.4580	-0.1753	0.737973
<i>1700030C10Rik</i>	chr12:20814256-20815727	0.1535	0.4551	1.5683	0.053426
<i>Gm10478</i>	chr12:20896238-20896638	0.9215	1.3554	0.5566	0.200414
<i>Atxn711os1</i>	chr12:33193993-33228854	0.1817	0.1363	-0.4149	0.638423
<i>Scin</i>	chr12:40059768-40134228	0.0974	0.1971	1.0171	0.338445
<i>Gm17138</i>	chr12:86714985-86715444	0.7582	0.8165	0.1069	0.860276
<i>Gm26512</i>	chr12:90738200-90750693	0.0567	0.0768	0.4367	0.684116
<i>Adssl1</i>	chr12:112620044-112641354	0.1192	0.3441	1.5292	0.072000
<i>Ighg2b</i>	chr12:113306388-113307933	0.1203	0.9935	3.0455	0.394496
<i>Ighj3</i>	chr12:113429084-113429132	0.7598	7.8558	3.3701	0.037326
<i>Ighv5-16</i>	chr12:113838525-113838983	0.0001	0.7319	12.8375	0.275964
<i>Vipr2</i>	chr12:116077725-116146261	0.0659	0.1450	1.1373	0.022763
<i>Gm20658</i>	chr12:116102768-116138648	0.0060	0.1265	4.3989	0.161808
<i>Gm17622</i>	chr13:96490732-96491120	7.7224	8.0320	0.0567	0.896611
<i>Fst</i>	chr13:114452261-114458730	0.0572	0.0762	0.4137	0.812793
<i>Nsun7</i>	chr5:66259911-66298016	0.0263	0.0884	1.7491	0.179778
<i>Gm2199</i>	chr5:80900749-80901623	0.2171	0.5265	1.2780	0.089609
<i>Gc</i>	chr5:89417510-89457898	0.0279	0.1269	2.2856	0.304151
<i>Rassf6</i>	chr5:90603075-90640487	0.0949	0.1913	1.0109	0.395621
<i>Asns</i>	chr6:7675168-7693254	0.0705	0.1600	1.1838	0.104497
<i>Ica1</i>	chr6:8630526-8778488	0.1158	0.1697	0.5508	0.509511
<i>2210408F21Rik</i>	chr6:31220350-31337404	0.0940	0.2030	1.1105	0.400537
<i>Svopl</i>	chr6:37983738-38046996	0.0656	0.1117	0.7695	0.267535
<i>Gm15863</i>	chr6:54635188-54643350	0.0759	0.1261	0.7311	0.408036
<i>Igkv5-39</i>	chr6:69900423-69900710	0.3531	0.8613	1.2865	0.459995
<i>Igkj4</i>	chr6:70723547-70723585	0.4295	7.1522	4.0575	0.166337
<i>Pparg</i>	chr6:115361220-115490401	0.0344	0.1718	2.3186	0.120015
<i>Aicda</i>	chr6:122553800-122564180	0.0256	0.1007	1.9751	0.271730
<i>Rps4l</i>	chr6:148354655-148355598	0.1694	0.5017	1.5662	0.220450
<i>Cacng8</i>	chr7:3390682-3415648	0.1127	0.2219	0.9776	0.225622
<i>Sbk2</i>	chr7:4956133-4964390	0.1432	0.1444	0.0127	0.988557
<i>Dmwd</i>	chr7:19076248-19082776	0.0830	0.2048	1.3023	0.085578
<i>Megf8</i>	chr7:25317163-25365917	0.0173	0.0362	1.0614	0.260756
<i>Zfp30</i>	chr7:29783997-29794702	0.0659	0.0995	0.5948	0.249447
<i>Lrp3</i>	chr7:35200026-35215370	0.0449	0.0648	0.5282	0.690594
<i>Cldnd2</i>	chr7:43440781-43443328	0.3678	0.5758	0.6465	0.249020
<i>Klk1b27</i>	chr7:44052289-44056705	0.0774	0.3774	2.2858	0.170419
<i>Gm14377</i>	chr7:47110850-47125990	0.1007	0.2255	1.1632	0.162555
<i>Siglech</i>	chr7:55768177-55778925	0.0902	0.2484	1.4609	0.322290
<i>Gm17907</i>	chr7:55902601-55903311	0.0751	0.5600	2.8976	0.226439
<i>Gm23479</i>	chr7:98935893-98936015	2.8290	3.8351	0.4390	0.185718
<i>Gm6341</i>	chr7:101154644-101155055	1.0195	1.6183	0.6666	0.098672
<i>Gm24596</i>	chr7:126563873-126563980	2.3540	3.6621	0.6376	0.458702
<i>Zfp768</i>	chr7:127342796-127345314	0.0935	0.1798	0.9433	0.264948
<i>Zfp941</i>	chr7:140807448-14082178	0.0154	0.0647	2.0752	0.225097
<i>Odf3</i>	chr7:140847804-140851018	0.1615	0.1681	0.0578	0.929976
<i>Cend1</i>	chr7:141426445-141429491	0.0772	0.1996	1.3705	0.223424
<i>Ctxn1</i>	chr8:4257647-4259274	0.4581	0.4001	-0.1955	0.561381
<i>Mcf2l</i>	chr8:12873805-13020905	0.0337	0.0339	0.0057	0.987950

Ank1	chr8:22974843-23150497	0.0247	0.0302	0.2891	0.660326
Gm26887	chr8:84192773-84197667	0.6063	0.5853	-0.0508	0.947540
Gpr56	chr8:94977108-95014208	0.0708	0.1305	0.8831	0.057784
Zfp612	chr8:110079763-110090181	0.0973	0.2289	1.2341	0.015547
Gm22060	chr9:32446821-32446928	3.8846	5.3992	0.4750	0.243278
Oaf	chr9:43221277-43239816	0.1782	0.2196	0.3015	0.561577
Pvrl1	chr9:43744575-43807454	0.0373	0.1274	1.7713	0.006558
Arhgap20os	chr9:51832813-51875886	0.0721	0.1640	1.1858	0.028646
Lrrc49	chr9:60568858-60688158	0.0481	0.0586	0.2852	0.786823
Dapk2	chr9:66158222-66272242	0.0696	0.1020	0.5500	0.526173
Irak1bp1	chr9:82829805-82847688	0.1393	0.1418	0.0265	0.974517
Plscr4	chr9:92457377-92493510	0.0295	0.1259	2.0942	0.020349
Esyt3	chr9:99309966-99358530	0.0952	0.1618	0.7646	0.081752
Lrrc2	chr9:110951544-110984066	0.0518	0.1144	1.1418	0.105320
Pomgnt2	chr9:121981605-121996026	0.1125	0.1927	0.7760	0.230962
Ccr3	chr9:124021970-124031689	0.0734	0.0920	0.3246	0.716298
Maoa	chrX:16619697-16687818	0.1419	0.1249	-0.1844	0.434636
Gm7598	chrX:38476460-38482486	0.1389	0.1661	0.2583	0.394083
Gria3	chrX:41400853-41678601	0.0372	0.0555	0.5786	0.455661
Xlr3a	chrX:73086292-73097095	0.0442	0.1761	1.9943	0.417266
Dusp9	chrX:73639418-73643514	0.0498	0.1114	1.1614	0.255584
Gm15379	chrX:75458811-75459459	0.1927	0.7783	2.0142	0.030770
Cysltr1	chrX:106574345-106603679	0.0716	0.1006	0.4906	0.330330
Mid2	chrX:140664598-140767715	0.0236	0.0442	0.9058	0.302649
Gm15032	chrX:142622491-142622902	0.6737	1.0012	0.5716	0.382775
Mir98	chrX:151913213-151913321	4.6403	3.2311	-0.5222	0.351041
Angpt1	chr15:42424726-42676977	0.0399	0.0591	0.5654	0.618079
Enpp2	chr15:54838897-54920146	0.0653	0.1349	1.0459	0.066822
Wisp1	chr15:66891319-66923201	0.0564	0.1074	0.9291	0.305335
Fam109b	chr15:82338941-82345743	0.1357	0.1917	0.4988	0.255765
1810021B22Rik	chr15:89071195-89075852	0.3093	0.4322	0.4828	0.497618
Gm3468	chr14:6020653-6108665	0.0708	0.1481	1.0642	0.287411
Lrrc3b	chr14:15357518-15438987	0.1497	0.2445	0.7074	0.096526
Ogdhl	chr14:32322018-32347820	0.1263	0.1298	0.0392	0.893739
Blk	chr14:63372836-63417187	0.0976	0.1745	0.8381	0.378958
Gm20667	chr14:67673176-67675106	0.1252	0.2551	1.0267	0.140232
Gm6984	chr14:73953921-73955586	0.1376	0.2450	0.8321	0.227723
Klf12	chr14:99874485-100149764	0.0562	0.1872	1.7353	0.086261
Flywch2	chr17:23776915-23786081	0.3129	0.3955	0.3381	0.604014
Syngr3	chr17:24685091-24689955	0.0418	0.2019	2.2717	0.037704
Rsph1	chr17:31255018-31277356	0.2850	0.5464	0.9388	0.008139
H2-M10.2	chr17:36284226-36286490	0.3968	0.3061	-0.3742	0.512186
Ebi3	chr17:55952622-55957021	0.2196	0.4963	1.1766	0.030609
Fer	chr17:63896017-64139494	0.0525	0.1594	1.6031	0.092294
Pkdcc	chr17:83215291-83225070	0.0763	0.2015	1.4000	0.281431
Dync2li1	chr17:84626495-84655558	0.3702	0.3299	-0.1664	0.795564
Ston1	chr17:88597683-88662586	0.0538	0.1337	1.3130	0.014942
Tnp2	chr16:10787935-10788655	0.5368	0.8554	0.6722	0.151921
Gm4279	chr16:11688168-11691857	0.1433	0.2710	0.9191	0.096378
NA	chr16:20822102-20822677	0.3600	0.6916	0.9419	0.136094
Itgb5	chr16:33829664-33949153	0.0606	0.2036	1.7480	0.175075
Bace2	chr16:97356727-97439012	0.0379	0.0856	1.1768	0.411954
Gal	chr19:3409918-3414472	0.1849	0.5065	1.4541	0.150262
Npas4	chr19:4984354-4989971	0.0809	0.2236	1.4664	0.233812
Gm6807	chr19:45450307-45451195	0.3109	0.3000	-0.0517	0.946843
4930552P12Rik	chr19:55640588-55702204	0.1438	0.2295	0.6748	0.151946
Fam135a	chr1:24010757-24100341	0.0189	0.0610	1.6862	0.062196
NA	chr1:34236595-34238820	0.1279	0.1129	-0.1796	0.867809
Gm16894	chr1:40076227-40085853	0.2951	0.2978	0.0127	0.990731
Fzd7	chr1:59482146-59486947	0.0514	0.0674	0.3908	0.630486
Espnl	chr1:91322074-91348306	0.0699	0.0694	-0.0108	0.984344
Slc35f5	chr1:125561015-125595684	0.0951	0.1826	0.9415	0.280539
Gm26686	chr1:128770598-128774421	0.0999	0.2041	1.0308	0.406280
Fcrla	chr1:170917575-170927583	0.0785	0.2542	1.6950	0.061692
Mnda	chr1:173896354-173912922	0.1384	0.2523	0.8661	0.286420
Susd4	chr1:182763859-182896598	0.0676	0.1513	1.1622	0.192204
Cd34	chr1:194938820-194961292	0.0001	0.0815	9.6708	0.189396
Gm26742	chr18:54981434-54987689	0.1195	0.1574	0.3974	0.235696
Gm24875	chr2:25031349-25031453	2.3033	5.2274	1.1824	0.001016
Rnf208	chr2:25242254-25244262	0.1364	0.3065	1.1676	0.036943
Fam171b	chr2:83812635-83883486	0.0303	0.0472	0.6396	0.507481

<i>Ltk</i>	chr2:119751319-119760431	0.0286	0.0942	1.7225	0.173556
<i>Gm14284</i>	chr2:131322087-131322366	1.3715	1.7101	0.3183	0.426812
<i>Gm21850</i>	chr2:154052268-154058857	0.1548	0.5190	1.7451	0.302155
<i>Cetn4</i>	chr3:37307748-37312708	0.0300	0.1033	1.7846	0.117040
<i>Gm8177</i>	chr3:57135495-57136831	0.4054	0.3511	-0.2072	0.470588
<i>Glt28d2</i>	chr3:85801046-85887518	0.0338	0.1099	1.7017	0.173349
<i>Ankrd35</i>	chr3:96670130-96691009	0.0333	0.1306	1.9727	0.022084
<i>Syt6</i>	chr3:103575230-103645567	0.0477	0.0908	0.9278	0.122482
<i>Gm9857</i>	chr3:108940052-108940445	0.5315	1.1943	1.1680	0.046125
<i>Ntng1</i>	chr3:109780039-110143228	0.0063	0.0396	2.6456	0.378511
<i>Lpar3</i>	chr3:146220960-146286214	0.0205	0.1640	3.0001	0.144349
<i>Olfr157</i>	chr4:43834751-43836517	0.1779	0.2512	0.4982	0.497418
<i>Gm22300</i>	chr4:56913641-56913767	3.1315	3.8415	0.2948	0.539614
<i>Cdkn2b</i>	chr4:89306288-89311032	0.3213	0.5453	0.7631	0.298474
<i>Eqtn</i>	chr4:94907266-94928843	0.1213	0.3818	1.6540	0.002275
<i>Gm12796</i>	chr4:101292413-101321745	1.2307	1.5258	0.3100	0.437129
<i>Pdzk1ip1</i>	chr4:115088707-115093899	0.0592	0.1505	1.3468	0.378823
<i>Slc6a9</i>	chr4:117834505-117875198	0.0408	0.0845	1.0499	0.036873
<i>Ago4</i>	chr4:126489540-126533472	0.0322	0.0779	1.2739	0.039637
<i>5730409E04Rik</i>	chr4:126609817-126614371	0.0831	0.1215	0.5481	0.571939
<i>Gm12978</i>	chr4:131902789-131903311	0.7384	0.9850	0.4157	0.493554
<i>Gm13142</i>	chr4:147102326-147103981	0.2529	0.3014	0.2532	0.581715
<i>Gm13054</i>	chr4:148001090-148004014	0.2308	0.5446	1.2386	0.043369
<i>Gpr153</i>	chr4:152274231-152285337	0.0455	0.1213	1.4143	0.018187

Supplementary Table 8: Analysis of RNA-seq data from WT and cDKO Treg cells.

Associated Gene Name	Coordinates Mus musculus Dec 2011	cDKO Average FPKM	WT Average FPKM	WT / cDKO Log2 Fold Change	p-value
Xist	chrX:103460374-103483217	0.1895	51.1288	8.0756	0.002424
Gm26992	chrX:103422009-103481705	0.0001	32.2568	18.2992	0.008093
AW112010	chr19:11047612-11050566	231.7947	427.0432	0.8815	0.004021
Ltf	chr9:111019291-111042766	0.0001	1.3978	13.7708	0.155430
Hsph1	chr5:149614286-149636376	17.1130	9.1201	-0.9080	0.001297
Gp49a	chr10:51480631-51486316	2.3392	10.5743	2.1765	0.012783
Igfbp4	chr11:99041243-99054392	18.9110	8.7668	-1.1091	0.010007
Ccr2	chr9:124101949-124113557	24.5757	42.8884	0.8034	0.000989
Penk	chr4:4133530-4138819	19.1395	45.8271	1.2597	0.002003
Cables1	chr18:11839219-11945627	0.0311	1.0377	5.0592	0.017755
Tsix	chrX:103431516-103484957	0.1189	16.8985	7.1504	0.000305
Lilrb4	chr10:51480639-51496613	10.4871	24.7124	1.2366	0.004443
Ifi27l2a	chr12:103442166-103443680	465.3704	924.7657	0.9907	0.054160
Bach2	chr4:32238803-32586108	9.1386	5.1189	-0.8361	0.000912
ErbB2	chr11:98412469-98437716	0.0001	0.3846	11.9090	0.004668
Catsperd	chr17:56628142-56664456	0.0167	1.0325	5.9459	0.011737
Srgn	chr10:62493832-62527451	226.6384	338.4009	0.5783	0.003993
Hmgcs1	chr13:119690461-119708086	48.7645	27.4016	-0.8316	0.014181
Hist1h4c	chr13:23698059-23698454	166.2544	385.4438	1.2131	0.035536
Kdm6a	chrX:18162574-18279936	18.1987	29.7032	0.7068	0.003911
Fyb	chr15:6579870-6663313	71.2518	46.0525	-0.6296	0.011110
Ly6a	chr15:74994877-74997634	128.2987	244.2949	0.9291	0.028388
Dnah8	chr17:30624353-30875264	24.6629	13.4697	-0.8726	0.031072
Hist1h4k	chr13:21750193-21750505	165.8353	358.1746	1.1109	0.036665
Hist2h2bb	chr3:96269720-96279001	97.2127	159.8899	0.7179	0.018836
Klrg1	chr6:122270595-122282882	31.1316	68.2848	1.1332	0.076124
Scppdh	chr1:179668209-179687189	3.0615	6.8717	1.1664	0.018446
Igj	chr5:88520511-88527891	0.0001	1.2488	13.6082	0.083384
Gm5134	chr10:75954513-76009591	0.0001	0.5335	12.3814	0.006389
S100a10	chr3:93555079-93564643	293.3537	442.4100	0.5927	0.010220
Gm5127	chrX:106583185-106710557	0.0100	0.8494	6.4037	0.000818
Fgl2	chr5:21372641-21378374	25.1378	42.4837	0.7571	0.008732
Mdn1	chr4:32657118-32775217	36.7591	24.5447	-0.5827	0.020838
Hist1h1d	chr13:23555031-23558852	56.1107	95.4714	0.7668	0.038629
Gm23245	chr5:129789538-129789673	0.0001	12.8612	16.9727	0.098272
Lgals3	chr14:47367750-47386160	7.4626	15.9816	1.0987	0.010433
Glrx	chr13:75839867-75850151	29.7399	50.8097	0.7727	0.001590
Lpin3	chr2:160880669-160906002	0.0478	0.7497	3.9721	0.000640
Smpdl3a	chr10:57794334-57811830	83.0517	124.5902	0.5851	0.003907
S100a6	chr3:90612893-90614414	133.5733	248.6789	0.8967	0.026530
Gzma	chr13:113093824-113100979	0.2190	4.1469	4.2432	0.018123
Mir5107	chr18:60812075-60812163	2.1839	39.0940	4.1620	0.001690
Oasl2	chr5:114896935-114912234	1.5065	4.3848	1.5413	0.013011
Anxa7	chr14:20455260-20480133	20.8299	32.3098	0.6333	0.000478
Disc1	chr8:125054194-125261858	0.0001	0.4060	11.9872	0.037986
Gm15800	chr5:121220218-121368577	9.9297	5.9398	-0.7413	0.026305
Hist1h4f	chr13:23551257-23551648	74.5134	167.8860	1.1719	0.038744
Slc24a1	chr9:64922860-64951607	0.0165	0.4435	4.7497	0.003645
Hist1h1a	chr13:23763667-23764414	146.9578	249.8960	0.7659	0.022552
Dapk1	chr13:60601946-60763185	3.5745	1.2997	-1.4595	0.038712
Gpr15	chr16:58717434-58718724	11.7701	25.2456	1.1009	0.008370
Fam160a1	chr3:85660060-85746266	2.3591	5.8718	1.3155	0.011782
Casp1	chr9:5298516-5307265	43.0224	68.2816	0.6664	0.003190
Wsb2-ps	chr11:62749851-62752787	0.0219	0.7182	5.0343	0.007661
Adk	chr14:21052573-21448568	30.7444	47.1581	0.6172	0.000404
Kpna7	chr5:144983518-145084030	0.0001	0.4863	12.2477	0.056692
Utp20	chr10:88746606-88826814	27.9159	18.8931	-0.5632	0.015143
Slc15a2	chr16:36750177-36784962	16.9408	9.5173	-0.8319	0.016253
Lgals1	chr15:78926724-78930465	328.6194	511.7272	0.6390	0.038674
Hist1h3e	chr13:23561533-23562369	86.4929	168.7812	0.9645	0.102161
NA	chr13:23544051-23545055	94.2101	171.5001	0.8643	0.065971
Lyz2	chr10:117277333-117282274	1.1066	6.4369	2.5403	0.113042
Igkc	chr6:70726434-70726757	4.7678	24.2784	2.3483	0.067390
5430427O19Rik	chrX:85870353-85891499	0.2614	1.4434	2.4651	0.027991
Arid1a	chr4:133679007-133756769	18.3558	11.4745	-0.6778	0.045508
Gm11223	chr4:69925200-69926171	1.5864	6.2208	1.9714	0.000056
Naip2	chr13:100144062-100202092	5.6745	10.3412	0.8658	0.005074
Dmd	chrX:82948869-85206141	0.0001	0.0563	9.1371	0.023824
Gm20628	chr3:96267074-96270289	69.0527	107.9017	0.6439	0.040036

Asb2	chr12:103321141-103356001	12.6695	22.2376	0.8116	0.020205
6030445D17Rik	chr4:136462249-136463977	0.0248	1.0393	5.3883	0.052394
Cdca3	chr6:124829546-124833701	9.0466	16.2880	0.8484	0.014676
Adcy6	chr15:98589993-98607633	6.3863	3.6964	-0.7889	0.000684
Aurka	chrX:172356189-172370535	5.3357	10.7721	1.0136	0.006045
Cybb	chrX:9435251-9487771	9.0696	14.7616	0.7027	0.009089
H2afx	chr9:44334714-44336071	38.6176	71.8056	0.8948	0.065275
Rel1	chr5:63908895-63968905	1.7102	3.9685	1.2144	0.002997
2210408121Rik	chr13:77135539-77613291	0.1254	0.9846	2.9733	0.008337
H1f0	chr15:79028211-79030498	27.7706	43.9262	0.6615	0.025056
Tstd3	chr4:21757381-21767212	6.1233	12.8597	1.0705	0.000938
Fam227a	chr15:79609575-79658956	0.0066	0.2596	5.2965	0.054597
Batf	chr12:85686668-85709087	87.2349	133.3305	0.6120	0.008850
S100a4	chr3:90603769-90606045	223.2922	345.4849	0.6297	0.030984
Lphn1	chr8:83900104-83941954	12.9227	7.8931	-0.7112	0.029836
Gm15523	chr12:103336905-103348057	0.0001	2.9051	14.8263	0.036938
Pglyrp1	chr7:18884689-18890438	7.9761	23.4571	1.5563	0.038661
Rab19	chr6:39381174-39390380	15.4772	25.8187	0.7383	0.000458
Cdk1	chr10:69336634-69352938	7.5238	13.3100	0.8230	0.015907
Hmmr	chr11:40701394-40733422	5.5632	9.5240	0.7756	0.009699
Foxp1	chr6:98925337-99522721	24.6803	18.4472	-0.4200	0.007698
Aim2	chr1:173350878-173466040	17.7125	26.8860	0.6021	0.004824
Cd300a	chr11:114890040-114904654	0.0001	0.3474	11.7624	0.302059
Il10	chr1:131019844-131024974	9.4560	22.0602	1.2221	0.016352
Larp1	chr11:58009063-58062034	32.8283	23.8255	-0.4624	0.013059
St8sia1	chr6:142821544-142964452	6.5556	4.1282	-0.6672	0.005821
Tmem205	chr9:21921009-21927535	0.0001	1.7472	14.0927	0.047487
Satb1	chr17:51736186-51833290	30.2678	21.8099	-0.4728	0.033721
Gm20696	chr6:99257483-99666797	10.8299	6.0908	-0.8303	0.006707
Pld4	chr12:112760654-112768986	0.0001	0.6018	12.5552	0.014833
Zfp652	chr11:95712672-95835115	8.2009	5.8516	-0.4870	0.004274
Polr1a	chr6:71909052-71979356	28.6634	20.8001	-0.4626	0.010335
Gm27006	chr8:79705596-79706539	9.1758	2.6266	-1.8046	0.035068
Utp14b	chr1:78658037-78667588	5.9187	2.6068	-1.1830	0.009559
Hist1h1c	chr13:23738806-23740366	196.2095	300.1455	0.6133	0.064757
Snx2	chr18:53176364-53220860	51.2008	71.8547	0.4889	0.002181
Hist2h2ac	chr3:96220360-96220880	95.5978	162.7868	0.7679	0.065322
Atp6v0d2	chr4:19876840-19922605	4.1122	8.2252	1.0001	0.007428
Dnal1	chr12:84114365-84147498	0.0155	0.2971	4.2619	0.002181
Gm11460	chr2:165666496-165666857	4.1065	0.0367	-6.8059	0.056020
Fasn	chr11:120805939-120824178	36.4151	26.4510	-0.4612	0.027790
Hist1h4d	chr13:23581597-23581990	455.8031	752.4859	0.7233	0.082165
Dnase1l2	chr17:24440080-24443105	6.5078	2.6361	-1.3037	0.026004
Id2	chr12:25093800-25096092	33.8093	58.7395	0.7969	0.030829
NA	chr13:23535421-23535951	66.6870	127.6543	0.9368	0.070486
Yam1	chr17:39846957-39848788	1809.8114	705.2798	-1.3596	0.014541
Fbxo6	chr4:148145715-148152140	8.4984	14.5654	0.7773	0.000657
Gm26598	chr1:136622097-136624650	0.0001	0.4588	12.1635	0.014338
Nfam1	chr15:82997720-83033306	0.0001	0.3855	11.9125	0.053624
Gm22806	chr13:51648198-51648334	0.0001	9.8764	16.5917	0.205135
Marveld1	chr19:42147399-42151695	6.1130	10.7887	0.8196	0.007885
Marveld2	chr13:100595956-100616971	1.2820	3.3403	1.3816	0.002936
Dtnbp1	chr13:44922078-45002096	10.5404	19.0103	0.8508	0.000668
Kbtbd11	chr8:15011024-15033330	125.3669	99.3420	-0.3357	0.002241
Ldlr	chr9:21723575-21749916	18.4350	12.0349	-0.6152	0.030988
Gm22596	chr2:164761658-164761974	0.2028	5.2046	4.6816	0.005709
Magee2	chrX:104854954-104857267	0.0001	0.4634	12.1781	0.003266
Jmy	chr13:93430096-93499808	5.4996	3.4557	-0.6703	0.010582
Adam23	chr1:63445890-63596515	0.0001	0.1181	10.2058	0.177880
Myc	chr15:61985390-61990374	33.6817	23.2691	-0.5335	0.012124
Serpina9	chr12:103994742-104013755	0.0630	0.7104	3.4946	0.064494
Gpr68	chr12:100876681-100908198	30.1875	47.0627	0.6406	0.031968
Hist4h4	chr6:136801552-136804431	21.1860	37.6634	0.8301	0.065040
Commdb6	chr14:101633765-101640686	10.3980	19.0075	0.8703	0.006458
Map2	chr1:66175272-66442583	0.2581	0.8103	1.6506	0.042249
Cd83	chr13:43785106-43803130	47.9130	71.6005	0.5796	0.037358
Tnfrsf8	chr4:145267136-145315164	6.1381	10.9112	0.8300	0.015239
Clic4	chr4:135213968-135272814	3.5163	6.2454	0.8287	0.029776
Rcn3	chr7:45082912-45092221	0.1332	1.7250	3.6947	0.002289
Repin1	chr6:48593882-48599082	0.9746	2.4988	1.3584	0.002542
Gzmb	chr14:56258855-56262260	37.2908	62.6897	0.7494	0.039781

Hist1h2bm	chr13:21722097-21722478	64.5428	120.6542	0.9025	0.072269
Gm22677	chr2:10465759-10465867	14.0862	0.2555	-5.7850	0.037376
Srp54b	chr12:55155103-55189213	0.0640	0.6978	3.4476	0.009578
Hist1h4h	chr13:23531043-23531519	233.8517	395.7618	0.7590	0.075928
Wdr59	chr8:111448783-111522107	7.3172	4.5208	-0.6947	0.006099
Eif3j1	chr2:122028545-122056598	4.1184	2.1301	-0.9512	0.022014
Gm26521	chr9:20607765-20612485	0.0965	1.2723	3.7207	0.020464
Hist1h2bb	chr13:23746733-23747202	183.2809	292.6210	0.6750	0.049782
Drc1	chr5:30281387-30366708	4.7310	2.0076	-1.2367	0.009000
Lipo1	chr19:33517739-33761951	1.0708	3.4275	1.6784	0.020433
Prrc2c	chr1:162670724-162740556	46.5956	33.9877	-0.4552	0.056828
Cpe	chr8:64592557-64693040	0.0001	0.7718	12.9139	0.073238
Hint2	chr4:43654226-43656466	2.1942	6.1982	1.4982	0.002039
Scd4	chr19:44333091-44346743	0.0001	0.2754	11.4274	0.008447
Hist1h3c	chr13:23744972-23745602	22.6562	48.2854	1.0917	0.079441
5530601H04Rik	chrX:105037196-105079609	1.9812	3.7554	0.9226	0.006349
Cd40	chr2:165055626-165072948	0.0001	0.3264	11.6725	0.052499
Ovgp1	chr3:105973710-105987423	3.6657	1.6553	-1.1470	0.003604
Lctl	chr9:64117146-64138118	0.0790	0.8588	3.4421	0.003515
Adcy4	chr14:55769057-55784042	0.0001	0.2960	11.5315	0.017161
Pisd-ps2	chr17:3076577-3084183	6.9189	12.0495	0.8004	0.001937
Hist1h4j	chr13:21735061-21735837	34.7860	66.3162	0.9309	0.082550
Crebl2	chr6:134830153-134858931	9.8672	14.8855	0.5932	0.004659
Als2cl	chr9:110879869-110900530	29.4484	18.9831	-0.6335	0.083693
Sord	chr2:122234748-122265340	0.6683	2.3863	1.8361	0.002583
NA	chr5:143548705-143564525	9.7499	5.2548	-0.8918	0.008001
Sostdc1	chr12:36314168-36318452	0.3512	3.1455	3.1628	0.105740
D630036H23Rik	chr12:36381241-36382181	0.0001	1.1015	13.4272	0.035681
Ocln	chr13:100496506-100552718	0.0425	0.5149	3.5994	0.051923
Rilpl2	chr5:124463264-124478366	37.0314	56.6459	0.6132	0.026045
Ehd1	chr19:6276724-6300096	7.5600	12.1619	0.6859	0.009595
Gpr55	chr1:85939536-85961055	5.8969	11.2425	0.9309	0.023554
Ube2l6	chr2:84798827-84810335	4.1274	9.3933	1.1864	0.009121
S100a3	chr3:90600214-90602702	0.0001	1.4089	13.7822	0.015974
Cpd	chr11:76778423-76847018	3.6684	6.9529	0.9225	0.046124
Tcf19	chr17:35512733-35516824	16.0271	26.4378	0.7221	0.017746
Ctla4	chr1:60886999-60915832	187.6028	253.3834	0.4336	0.018937
Galnt3	chr2:66082765-66124994	0.0592	0.5894	3.3158	0.083399
Dok1	chr6:83030933-83033471	15.9619	25.2052	0.6591	0.008662
Ikzf1	chr11:11685002-11772926	77.3060	60.0551	-0.3643	0.019817
Snora65	chr2:32963290-32963420	126.6334	52.6188	-1.2670	0.058571
Slc7a10	chr7:35186384-35204898	2.2887	5.3070	1.2134	0.003507
Gm26899	chr2:120532903-120539846	28.1294	19.9097	-0.4986	0.009473
2810417H13Rik	chr9:65890236-65903266	10.0800	15.4215	0.6135	0.014669
Galk2	chr2:125859108-125984299	5.9132	9.0094	0.6075	0.003671
mt-Tc	chrM:5191-5257	290.2400	565.4569	0.9622	0.042161
Plekhh3	chr11:101162678-101171351	0.0061	0.3351	5.7890	0.072015
BC100451	chr11:118332359-118342500	0.1899	1.7612	3.2136	0.037381
Plscr4	chr9:92457377-92493510	0.0047	0.2540	5.7549	0.051421
Exog	chr9:119444922-119465517	5.0747	2.4917	-1.0262	0.046281
Acsbg1	chr9:54604876-54661870	14.7253	24.7119	0.7469	0.045461
Nid2	chr14:19751256-19811787	1.1806	2.7444	1.2170	0.024293
4930506M07Rik	chr19:58973357-59076069	0.7667	2.4251	1.6613	0.100150
Ttc16	chr2:32757025-32775633	0.7165	1.6815	1.2306	0.000585
Hist3h2a	chr11:58954684-58956674	31.0646	50.0437	0.6879	0.079901
H3f3b	chr11:116021911-116027962	64.8327	93.1171	0.5223	0.050480
Mvp	chr7:126986859-127014621	19.2717	28.6748	0.5733	0.023293
Gtf3c4	chr2:28822298-28840360	10.3755	7.3542	-0.4965	0.006977
Top2a	chr11:98992942-99024189	48.0869	68.5636	0.5118	0.086191
Gm9085	chrX:20382749-20383821	0.0001	0.9298	13.1826	0.072322
Pgpep1	chr8:70646435-70659738	0.3666	1.4085	1.9418	0.028559
Trim17	chr11:58954684-58973098	17.9168	27.7647	0.6319	0.073285
Ak5	chr3:152462814-152668140	1.3551	0.2932	-2.2087	0.017784
Gm14455	chr2:172425803-172440560	1.0231	3.2088	1.6491	0.025731
Slc38a2	chr15:96687393-96699698	41.3414	31.2386	-0.4043	0.008799
Cd3eap	chr7:19356848-19359483	17.5707	9.6462	-0.8651	0.027782
Zdhhc2	chr8:40423814-40510268	7.8127	12.8305	0.7157	0.034317
Gm26064	chr13:43425741-43425850	23.1858	3.2766	-2.8230	0.000037
Gpr83	chr9:14860209-14870789	31.8096	22.9402	-0.4716	0.022093
Gm15831	chr5:77116809-77122348	0.0001	2.0349	14.3127	0.151904
Serpinb6a	chr13:33917917-34002794	5.5702	8.8939	0.6751	0.006237

Nap1i3	chrX:122394564-122397385	0.0001	0.3795	11.8899	0.142832
Tspan31	chr10:127067316-127070261	19.7553	30.7306	0.6374	0.005513
Tbx21	chr11:97098070-97115331	6.5344	11.2654	0.7858	0.010158
Galnt7	chr8:57523827-57653032	14.0543	9.8612	-0.5112	0.006326
Bhlhe40	chr6:108660628-108666925	11.9306	20.9089	0.8095	0.105688
Cst7	chr2:150570414-150578944	78.4398	118.9179	0.6003	0.068898
Chn1	chr2:73610659-73775346	0.0303	0.3878	3.6785	0.040187
Junb	chr8:84976908-84978748	110.7719	173.2165	0.6450	0.124319
Atp11b	chr3:35754133-35856274	39.6045	30.4188	-0.3807	0.013583
Hist1h2bn	chr13:21754122-21754503	9.8030	26.1693	1.4166	0.072927
Tspan3	chr9:56135884-56161070	15.4371	24.2922	0.6541	0.003525
Srfbp1	chr18:52465692-52490738	38.9123	24.8290	-0.6482	0.029610
Serinc3	chr2:163623271-163645131	174.1860	223.7840	0.3615	0.013565
1500015010Rik	chr1:43730601-43742578	0.0001	1.1635	13.5062	0.154999
Hist1h2be	chr13:23583741-23621124	4.9664	9.0638	0.8679	0.033793
Hist1h1b	chr13:21779882-21780625	185.2163	264.5684	0.5144	0.063525
Plxna1	chr6:89316315-89362613	1.6253	0.7448	-1.1258	0.022961
Trap1	chr16:4039970-4077827	65.5306	50.3078	-0.3814	0.009453
Nusap1	chr2:119618297-119651244	14.0836	20.9598	0.5736	0.029739
Glipr2	chr4:43957400-43979118	44.3530	61.9752	0.4827	0.011435
Ptplad1	chr9:64986984-65021717	80.7429	106.2250	0.3957	0.011318
Arrdc3	chr13:80883383-80896035	9.9104	14.8007	0.5786	0.035340
Pprc1	chr19:46044885-46072915	7.8500	5.2767	-0.5731	0.016913
Cad	chr5:31054779-31078479	18.8701	13.5667	-0.4760	0.043383
Ago2	chr15:73098591-73184840	15.2355	10.4357	-0.5459	0.067538
6430531B16Rik	chr7:139972302-139978755	0.0333	0.7634	4.5170	0.057540
Arhgap33	chr7:30522225-30534180	0.0250	0.3915	3.9666	0.000363
Apbb1	chr7:105558485-105574402	0.9122	2.5791	1.4994	0.006193
C1qtnf5	chr9:44107244-44109187	2.9565	0.3034	-3.2845	0.067142
Gprasp2	chrX:135839033-135844730	0.6913	1.9587	1.5025	0.096778
Mastl	chr2:23115605-23156024	2.2902	4.2664	0.8975	0.040366
Gm20407	chr19:27994196-27995693	2.8415	0.2060	-3.7860	0.000657
Kif11	chr19:37376402-37421859	25.8279	37.2228	0.5273	0.049202
Mroh2a	chr1:88226985-88262289	0.8292	1.8501	1.1578	0.023636
Tspear	chr10:77829466-77887021	0.0104	0.4358	5.3869	0.042004
Trrap	chr5:144768091-144859778	18.9617	14.0656	-0.4309	0.058590
Ahr	chr12:35497973-35535038	5.1707	7.9822	0.6264	0.017591
Phrf1	chr7:141228783-141262750	24.5396	18.4732	-0.4097	0.022507
Ndc80	chr17:71496099-71526857	10.2251	17.1876	0.7493	0.026051
Ttbk1	chr17:46442447-46487675	0.4653	1.2991	1.4812	0.056817
Mphosph9	chr5:124250958-124327972	9.2878	6.6161	-0.4893	0.015296
Pon2	chr6:5264146-5298455	13.8234	19.5778	0.5021	0.010996
Vamp1	chr6:125215550-125244543	13.5570	9.4155	-0.5259	0.058798
Cenpt	chr8:105844677-105852008	15.5955	8.8936	-0.8103	0.039555
Chd8	chr14:52198150-52237791	24.7425	19.9018	-0.3141	0.003354
Trem1	chr17:48300037-48312534	22.8891	16.6581	-0.4584	0.013065
Olf172	chr16:58760151-58761240	2.0494	0.2694	-2.9276	0.027263
Ccdc86	chr19:10941480-10949266	8.0006	4.3883	-0.8664	0.014389
Patl2	chr2:122120107-122186189	0.1772	1.2479	2.8163	0.057382
Gm15673	chr7:101238340-101239278	0.0974	1.6018	4.0391	0.113792
Bcl2a1b	chr9:89199208-89207827	21.6551	40.3610	0.8983	0.102489
Esco2	chr14:65819037-65833994	5.2240	9.0949	0.7999	0.037810
Tg	chr15:66670752-66850721	0.5707	1.2425	1.1225	0.007433
Casp3	chr8:46617448-46638706	59.0331	83.0440	0.4924	0.019510
Hist1h2bg	chr13:23571395-23572013	59.2633	110.2172	0.8951	0.166812
Sh3bgrl	chrX:109095364-109197873	33.2305	46.7137	0.4913	0.025301
Ccnd2	chr6:127125778-127151048	90.8399	73.6315	-0.3030	0.002998
Phf12	chr11:77982753-78030539	21.4023	14.9384	-0.5187	0.055120
Kmt2a	chr9:44803354-44881296	19.2510	12.7802	-0.5910	0.162989
Gm9522	chr15:39180510-39181441	9.8723	3.4408	-1.5206	0.007778
Daam1	chr12:71831077-71992367	3.7504	1.9821	-0.9200	0.066458
Hist1h1e	chr13:23621754-23622502	319.0096	443.0949	0.4740	0.074304
Prkra	chr2:76629897-76648015	2.1270	5.3215	1.3230	0.008399
Ralgapa2	chr2:146239878-146512026	7.1534	5.4277	-0.3983	0.007347
Prss16	chr13:22002175-22009742	0.0787	0.9838	3.6434	0.073351
Camkk2	chr5:122731172-122779410	9.2601	6.1927	-0.5805	0.014186
Smarcc1	chr9:110132036-110240178	23.2975	17.9110	-0.3793	0.011696
Rnf43	chr11:87662721-87735539	4.2442	7.5752	0.8358	0.041778
Gm10644	chr8:83932328-83955205	8.8953	4.5638	-0.9628	0.015396
Il6st	chr13:112475007-112506860	92.6683	74.8860	-0.3074	0.012124
Socs4	chr14:47276930-47296098	13.0840	9.4300	-0.4725	0.019953

Hist1h2af	chr13:23533905-23534304	20.8035	44.7665	1.1056	0.081307
Arl6ip1	chr7:118118890-118129625	121.5120	156.0542	0.3609	0.006412
Hif1a	chr12:73901374-73947530	105.2461	130.2847	0.3079	0.003134
Dnase2a	chr8:84908559-84922915	3.3343	5.3529	0.6829	0.005302
Slc25a29	chr12:108825872-108835883	3.0692	1.3080	-1.2305	0.000189
Gnptg	chr17:25233330-25240124	13.0689	20.4960	0.6492	0.014952
Icos	chr1:60977926-61000320	82.5072	113.7338	0.4631	0.071380
Ptafr	chr4:132564066-132582683	0.5089	1.9539	1.9410	0.010697
Mfhas1	chr8:35587797-35679449	10.4263	7.4964	-0.4760	0.011693
Tmem201	chr4:149715374-149738044	4.3769	2.8626	-0.6126	0.014646
Dnmt3a	chr12:3806006-3914443	13.6382	10.8487	-0.3301	0.005460
Gpr111	chr17:42708935-42742179	0.4136	0.0043	-6.5881	0.080367
Hist1h2ak	chr13:21753394-21753907	175.2176	287.9207	0.7165	0.166896
Arrdc4	chr7:68737044-68749241	1.4228	3.4545	1.2797	0.037236
Fam81a	chr9:70089309-70142560	0.6863	1.9558	1.5108	0.026467
Samsn1	chr16:75858792-76022270	33.6203	45.5754	0.4389	0.041920
Tmem50b	chr16:91574502-91597800	17.3173	11.1050	-0.6410	0.027965
Col11a2	chr17:34039436-34066685	2.8850	1.3799	-1.0640	0.051491
Cdyl2	chr8:116568723-116732991	6.6327	4.6624	-0.5085	0.006671
NA	chr3:142594846-142619179	2.5121	5.4211	1.1097	0.021825
Gm26735	chr13:28943047-28951671	11.9660	7.1371	-0.7455	0.039518
Bcl2l1	chr2:128126037-128162547	10.0633	7.1878	-0.4855	0.011885
Mcoln3	chr3:146117458-146141806	7.6678	4.8243	-0.6685	0.001221
H2-DMb2	chr17:34143306-34151553	0.5385	2.1670	2.0085	0.018588
AI837181	chr19:5425156-5427313	25.5090	37.5517	0.5579	0.018592
Gm14125	chr2:150305527-150306516	13.0141	6.6360	-0.9717	0.006147
Fdxacb1	chr9:50768235-50773348	1.7873	4.2492	1.2494	0.066169
Tnfsf8	chr4:63831307-63861347	31.4530	45.2710	0.5254	0.092848
9030617O03Rik	chr12:100779056-100896981	8.4838	5.2945	-0.6802	0.034116
Chic2	chr5:75001025-75044774	6.5107	9.1204	0.4863	0.001641
Brf2	chr8:27123831-27128632	3.5886	8.7357	1.2835	0.007996
Car12	chr9:66713685-66766845	5.8755	3.6112	-0.7022	0.012700
A430093F15Rik	chr19:10740946-10786043	17.9435	26.4937	0.5622	0.012555
Syt11	chr3:88744699-88775164	23.0560	32.6023	0.4998	0.050144
Ubap2	chr4:41194312-41275144	10.7322	6.7422	-0.6707	0.052147
Hic1	chr11:75164564-75169519	1.7715	3.9361	1.1518	0.063423
Fam212b	chr3:105704598-105720842	1.4152	3.4924	1.3032	0.023468
Ankrd50	chr3:38449260-38484844	10.9767	8.0294	-0.4511	0.019880
Gm9208	chrX:107279014-107279962	0.4529	3.3567	2.8897	0.100763
Plekhg2	chr7:28359603-28372599	21.9775	14.7293	-0.5773	0.111934
Ndfip1	chr18:38418974-38464399	182.9788	247.3130	0.4347	0.029216
Col27a1	chr4:63214003-63334991	0.0874	0.4528	2.3731	0.004629
4921523L03Rik	chr9:107991683-107995656	1.0966	0.0117	-6.5470	0.068517
Lgalsl	chr11:20823575-20831056	2.4049	4.5789	0.9290	0.021754
Nfkbia	chr12:55489410-55492647	144.8452	188.5725	0.3806	0.027021
Serpina3g	chr12:104236244-104241939	38.8566	61.8649	0.6710	0.102550
Mrps10	chr17:47368886-47381417	4.9385	3.3106	-0.5770	0.012789
Ctss	chr3:95526785-95556403	168.9067	226.7701	0.4250	0.031228
Sdf4	chr4:155992871-156013610	65.2161	82.6903	0.3425	0.019217
Ncapg	chr5:45669921-45700544	9.0172	12.9463	0.5218	0.040531
Pbdc1	chrX:105079755-105117090	5.0760	7.9937	0.6552	0.037268
Larp4	chr15:99970073-100016351	19.3105	14.7726	-0.3865	0.009616
Tnik	chr3:28263213-28675858	23.9420	18.9708	-0.3358	0.039708
ltk	chr11:46325149-46389515	71.4251	57.3524	-0.3166	0.010046
3110067C02Rik	chrX:150463725-150466156	0.0606	0.9284	3.9369	0.147420
Faddos	chr7:144567354-144581512	1.6038	5.7178	1.8340	0.004893
Dynlt3	chrX:9654266-9663003	14.1527	20.7550	0.5524	0.008662
Nedd4l	chr18:64887755-65217826	2.6879	1.6323	-0.7196	0.001699
Rit1	chr3:88716837-88731049	7.6354	12.0078	0.6532	0.015038
Mvb12a	chr8:71542929-71548024	24.5457	39.8466	0.6990	0.028453
Gm24299	chr9:15314073-15314144	49.6721	12.3040	-2.0133	0.030461
Sh2d1a	chrX:42502452-42523697	16.8041	24.9964	0.5729	0.019878
NA	chr13:21717627-21718115	11.5717	26.1894	1.1784	0.062984
Hist1h4b	chr13:23756936-23757427	49.6408	81.2035	0.7100	0.061178
Prkag2	chr5:24862743-25100642	9.2003	6.2331	-0.5617	0.061942
Anapc7	chr5:122421692-122444912	13.0977	9.3296	-0.4894	0.020944
Tatdn2	chr6:113697049-113711069	56.9731	45.9471	-0.3103	0.002115
Fam174b	chr7:73740306-73776919	0.9665	2.7045	1.4845	0.046383
Kif15	chr9:122951080-123018725	13.5796	19.8821	0.5500	0.065571
Tcerg1	chr18:42511509-42575551	30.7511	23.9651	-0.3597	0.003737
Zfp407	chr18:84128026-84589725	9.1119	6.6393	-0.4567	0.042218

Nr4a3	chr4:48045152-48086447	5.5543	3.5436	-0.6484	0.019794
Macf1	chr4:123349632-123684360	144.3762	116.8992	-0.3046	0.028238
Myo5c	chr9:75232013-75305451	0.0223	0.2968	3.7346	0.069191
Tnpo1	chr13:98839018-98926384	37.0008	30.1472	-0.2955	0.002851
Adam8	chr7:139978931-139992562	4.2834	7.0731	0.7236	0.025046
Bop1	chr15:76452995-76477269	49.9464	35.3395	-0.4991	0.078400
Spc25	chr2:69193894-69206194	3.6845	6.3718	0.7903	0.008208
Fubp1	chr3:152210457-152236830	96.9171	77.2993	-0.3263	0.041134
Atp6v1e1	chr6:120795244-120822685	37.9861	58.0863	0.6127	0.035509
Elavl1	chr8:4284781-4325100	22.0704	17.5317	-0.3321	0.000331
Ugt1a7c	chr1:88095061-88220002	0.0199	0.4582	4.5241	0.086474
Serpina3f	chr12:104214543-104221129	2.3433	4.8766	1.0573	0.009854
Cxcr6	chr9:123806476-123811754	19.2468	30.4337	0.6611	0.080427
Mycbp2	chr14:103113410-103346814	46.2316	35.9961	-0.3610	0.082293
Stxbp1	chr2:32787601-32847239	0.2963	1.0597	1.8385	0.047083
Dido1	chr2:180657963-180709999	32.6267	26.7752	-0.2852	0.009602
Itm2b	chr14:73362230-73385271	295.3428	369.4139	0.3228	0.016787
Sgol1	chr17:53674785-53689333	3.3933	5.7854	0.7697	0.015017
Pik3r5	chr11:68432120-68497849	16.0644	11.9822	-0.4230	0.020535
Gm16793	chr8:35582571-35588972	4.8952	1.8423	-1.4098	0.054489
9130020K20Rik	chr4:136347285-136350334	5.8963	3.0599	-0.9463	0.070393
Galnt14	chr17:73493227-73710453	0.5465	0.1094	-2.3209	0.061035
Ccdc173	chr2:69758032-69789575	1.0575	3.0373	1.5222	0.115897
Rrp1b	chr17:32036099-32062865	15.9823	12.4714	-0.3578	0.008325
Il1rl1	chr1:40429569-40465415	8.6845	14.8402	0.7730	0.077058
Ier5	chr1:155096366-155099636	45.8707	60.3312	0.3953	0.031919
Tmem2	chr19:21778341-21858327	7.0664	10.2439	0.5357	0.038922
Rac3	chr11:120721469-120723969	0.0331	0.8483	4.6785	0.065060
Laptm4a	chr12:8921663-8938742	37.1479	49.8603	0.4246	0.006920
Degs2	chr12:108686791-108702306	25.3173	18.1835	-0.4775	0.049710
Gadd45a	chr6:67035095-67037457	1.8912	4.4489	1.2342	0.019917
4930469K13Rik	chr11:33973960-34098554	23.2929	13.3121	-0.8072	0.006720
Mtrr	chr13:68560779-68582121	15.5848	10.8677	-0.5201	0.038996
Abcb1a	chr5:8660076-8748575	11.8391	19.4278	0.7146	0.079883
Gng12	chr6:66896396-67021350	4.1479	2.4079	-0.7846	0.022524
Sgol2	chr1:57995970-58025899	4.4219	7.0948	0.6821	0.050956
Ttbk2	chr2:120732815-120850604	1.4585	2.3593	0.6939	0.006787
Klb	chr5:65348385-65384003	0.0001	0.3262	11.6716	0.140155
Birc2	chr9:7818235-7835255	44.7131	57.6712	0.3672	0.012145
Bloc1s5	chr13:38602708-38635109	12.1915	7.5759	-0.6864	0.004514
Mettl1	chr10:127041413-127046365	10.0222	5.2226	-0.9404	0.128276
Itgb1	chr8:128685653-128733200	199.4222	255.7565	0.3589	0.042637
Klf10	chr15:38294412-38300707	17.1424	24.2102	0.4980	0.035536
Khsrp	chr17:57021057-57031507	33.7612	24.9787	-0.4347	0.059312
Dot1l	chr10:80755205-80795461	7.5677	5.5721	-0.4416	0.011217
Ifi47	chr11:49076586-49096974	85.6979	113.6408	0.4071	0.047720
Chd3	chr11:69343272-69369406	116.9942	97.3556	-0.2651	0.021279
Hyou1	chr9:44379489-44392369	27.9747	22.5600	-0.3104	0.007738
Fbxl22	chr9:66508458-66514593	8.0823	4.6465	-0.7986	0.127497
Gm20507	chr17:33630758-33645705	1.6834	3.8869	1.2072	0.025471
Greb1l	chr18:10325176-10562934	1.4128	0.6678	-1.0811	0.092035
Rasgrp1	chr2:117279992-117343001	85.2430	69.7210	-0.2900	0.012501
Ccna2	chr3:36564865-36572150	31.9822	45.7927	0.5178	0.078061
2900041M22Rik	chr11:117611246-117613857	0.0719	0.8908	3.6308	0.008759
Snai3	chr8:122454205-122460692	0.0404	0.7319	4.1788	0.004802
6230400D17Rik	chr14:20687235-20703012	23.1118	14.1591	-0.7069	0.066826
Rpgrip1l	chr8:91217029-91313262	0.6425	1.1921	0.8916	0.000067
Mybbp1a	chr11:72441354-72451768	41.7585	32.1041	-0.3793	0.076133
Tert	chr13:73627000-73649041	6.3211	3.5377	-0.8374	0.066401
Lmbr1	chr5:29229813-29378390	1.4568	0.5068	-1.5234	0.096861
Fkbp4	chr6:128429734-128438677	67.0818	47.8189	-0.4883	0.119238
Rcor1	chr12:111039350-111115901	19.3891	14.8899	-0.3809	0.021530
Cpsf1	chr15:76595808-76607591	30.8987	23.9817	-0.3656	0.022650
Bcl2	chr1:106538177-106714274	44.9344	35.3951	-0.3443	0.027623
2210417A02Rik	chr5:148741839-148743139	0.7498	4.9691	2.7284	0.068946
Ttll4	chr1:74661744-74701832	11.5186	8.8688	-0.3772	0.019969
Tpd52l2	chr2:181497164-181517966	10.0028	14.3342	0.5191	0.020838
Palm3	chr8:84021470-84030295	11.6903	7.6381	-0.6140	0.060798
Cdc25c	chr18:34732996-34751533	2.8931	6.1592	1.0901	0.053251
9230104M06Rik	chr12:112999963-113001926	1.2848	3.1774	1.3064	0.002172
Gtse1	chr15:85859706-85876572	3.0928	5.7330	0.8904	0.026441

Scml4	chr10:42860369-42960780	12.7447	9.6753	-0.3975	0.017948
Ablim1	chr19:57032732-57314919	78.9271	67.3580	-0.2287	0.000091
Klh3	chr13:58004220-58113592	4.5417	2.4814	-0.8721	0.033504
Zfp300	chrX:21079173-21089527	0.9496	2.2444	1.2409	0.036555
Tmem109	chr19:10870659-10882001	4.8777	8.0874	0.7295	0.029933
Zfp189	chr4:49521175-49531517	1.9053	4.2158	1.1458	0.078355
1700055D18Rik	chr4:45012829-45014399	0.0953	1.0610	3.4767	0.005626
Bzrap1	chr11:87760540-87785928	1.7717	3.0895	0.8023	0.088891
Pkn3	chr2:30077683-30091022	0.4308	1.2042	1.4830	0.001532
Anxa2	chr9:69453619-69491795	24.3544	33.8067	0.4731	0.076060
Cd74	chr18:60803847-60812646	43.4464	63.6819	0.5516	0.063060
Arhgap20	chr9:51765336-51853856	2.9712	1.8903	-0.6525	0.084486
Eif4g1	chr16:20668312-20692884	88.0750	73.6967	-0.2571	0.009567
Adpgk	chr9:59291571-59316199	36.6149	27.5596	-0.4099	0.017692
Cdkn3	chr14:46760540-46771525	3.9193	12.1856	1.6365	0.080571
Ccndbp1	chr2:121008402-121016904	15.5339	20.7844	0.4201	0.001304
Ifitm3	chr7:141009585-141010770	0.9406	4.7878	2.3477	0.019799
Slc46a1	chr11:78465696-78472059	0.0278	0.4192	3.9127	0.011979
Dph2	chr4:117888642-117892032	11.3347	7.7753	-0.5438	0.002444
Tmem51	chr4:142030991-142084304	0.1568	1.2303	2.9721	0.036303
Emp3	chr7:45918022-45921426	78.6675	106.0908	0.4315	0.027509
Tm6sf2	chr8:70072923-70080066	0.1854	1.2398	2.7416	0.091488
Rnu12	chr15:83149643-83149794	0.2829	6.7275	4.5716	0.062221
Iltgae	chr11:73090582-73147446	26.4247	39.6372	0.5850	0.129774
0610030E20Rik	chr6:72347316-72353158	13.5717	9.8966	-0.4556	0.027193
Cntn2	chr1:132509424-132542940	0.0081	0.1051	3.6910	0.007749
Chdn10	chr14:118787870-118875489	2.3325	0.8291	-1.4923	0.039801
Mrvi1	chr7:110868265-110982461	0.0220	0.2403	3.4497	0.007783
Il21	chr3:37222758-37232618	2.9476	10.2996	1.8050	0.136471
B9d1	chr11:61505143-61512931	0.3636	1.8580	2.3533	0.005751
Dcxr	chr11:120725398-120727281	3.1030	7.7802	1.3261	0.056779
Susd3	chr13:49230689-49248706	4.7278	8.2192	0.7978	0.061888
Igf2bp3	chr6:49085220-49214954	1.2974	2.9730	1.1963	0.026339
Snx14	chr9:88376746-88438958	15.2365	22.5181	0.5636	0.052252
Kif4	chrX:100625736-100727214	7.3485	10.7584	0.5499	0.060687
Gm26734	chr17:94834905-94836642	0.0135	0.7571	5.8099	0.119438
Prkd2	chr7:16842901-16870461	40.6614	30.3689	-0.4211	0.085995
Wdyh1	chr15:58141435-58158652	12.7671	19.8050	0.6334	0.006931
Dusp1	chr17:26505589-26508519	5.6139	9.5778	0.7707	0.059940
Safb2	chr17:56560964-56584585	17.3081	12.4220	-0.4785	0.117208
March1	chr8:65617899-66471637	0.0121	0.1779	3.8835	0.021420
Gm17025	chr15:81415559-81419188	3.4876	0.6313	-2.4658	0.016621
Gm16702	chr17:8379044-8389468	0.6228	2.5116	2.0119	0.009540
Aldh3a1	chr11:61207536-61218421	0.9150	0.1003	-3.1899	0.040687
Snx25	chr8:46033260-46152159	11.6071	16.0770	0.4700	0.031904
Hsp90ab1	chr17:45567774-45573271	498.2469	388.2500	-0.3599	0.134890
Fam45a	chr19:60811584-60836227	5.3554	8.1652	0.6085	0.032860
Efr3b	chr12:3962553-4038915	0.0099	0.1822	4.2039	0.078669
Camp	chr9:109847374-109849456	0.0001	1.7967	14.1331	0.157176
Cdca5	chr19:6084982-6091777	4.7160	8.2832	0.8126	0.013003
Magi3	chr3:104013258-104220374	10.6606	7.8532	-0.4409	0.047884
Evl	chr12:108554719-108688513	93.5632	74.9578	-0.3199	0.033393
Hist1h4a	chr13:23760801-23761249	27.2547	48.3833	0.8280	0.069413
BC005561	chr5:104508351-104522383	9.6962	6.6823	-0.5371	0.050142
Card11	chr5:140872998-141000596	36.1158	28.6461	-0.3343	0.022486
Cd8a	chr6:71373426-71379171	0.6451	0.0744	-3.1170	0.034748
Yif1b	chr7:29238328-29247593	11.2612	19.1979	0.7696	0.038999
Coq7	chr7:118509658-118533356	0.7318	1.8280	1.3207	0.019904
Slc7a5	chr8:121881149-121907694	13.8366	10.1031	-0.4537	0.003317
Cd3g	chr9:44969571-44980431	445.5646	562.3733	0.3359	0.031537
Klh15	chrX:94234598-94277724	3.9020	2.7338	-0.5133	0.006099
Arhgap15os	chr2:44059237-44065324	8.6561	4.4262	-0.9676	0.073630
Sema6d	chr2:124089968-124667770	0.1994	0.5637	1.4995	0.057105
Trav6-3	chr14:53428710-53430375	0.4046	4.2122	3.3801	0.083704
Hist1h2bj	chr13:22043213-22043676	56.7981	92.7669	0.7078	0.103714
Zscan29	chr2:121158272-121171125	25.7964	20.5683	-0.3268	0.018435
Zfp608	chr18:54888044-54990180	1.4833	0.7066	-1.0699	0.014555
8430419L09Rik	chr6:135197976-135244955	5.1492	3.5535	-0.5351	0.000876
Inpp5b	chr4:124741849-124801511	26.8489	34.2000	0.3491	0.007439
Tanc1	chr2:59612041-59846149	3.2134	2.2620	-0.5065	0.039976
Sox4	chr13:28948918-28953713	10.4258	6.5206	-0.6771	0.116479

Mmab	chr5:114431033-114444059	6.6085	4.1104	-0.6851	0.019673
Rtp4	chr16:23609918-23614222	21.8057	33.8444	0.6342	0.072616
Ryk	chr9:102834916-102908305	1.7237	3.4201	0.9885	0.031360
Serinc5	chr13:92611137-92711944	15.4862	20.3068	0.3910	0.017384
Mettl21a	chr1:64606472-64617242	6.1884	9.9972	0.6920	0.018688
Plin3	chr17:56278961-56290511	11.8511	18.5840	0.6490	0.026795
Stab2	chr10:86841197-87008025	0.0074	0.1266	4.0941	0.024492
NA	chr5:146261002-146261084	27224.1396	8341.5167	-1.7065	0.058241
Fibcd1	chr2:31813289-31846005	0.1301	0.6665	2.3568	0.021681
Traf3ip1	chr1:91494667-91529303	5.6260	3.5600	-0.6602	0.002401
Sfpq	chr4:127021323-127037013	108.5606	90.6853	-0.2596	0.011380
Spry1	chr3:37639946-37644598	18.2059	11.8452	-0.6201	0.115025
Dhrs7	chr12:72650355-72664828	15.0970	23.8674	0.6608	0.015545
Cib1	chr7:80227155-80232813	11.1229	16.5329	0.5718	0.009677
Rsad2	chr12:26442752-26456452	3.3041	6.4697	0.9694	0.126566
Casp4	chr9:5308827-5336783	23.2742	32.5385	0.4834	0.059324
Uck2	chr1:167226089-167285127	82.0779	62.1540	-0.4011	0.069114
Zdhhc21	chr4:82798737-82859958	8.5888	6.5781	-0.3848	0.040004
Bptf	chr11:107033080-107132127	29.9235	24.0276	-0.3166	0.065567
Foxred2	chr15:77940521-77956722	5.6450	3.7304	-0.5976	0.045240
Hist1h3b	chr13:23752266-23752886	89.0942	144.7645	0.7003	0.189506
Pcyt2	chr11:120610086-120617936	15.6439	11.3539	-0.4624	0.031456
Phf2	chr13:48801749-48870885	13.8541	9.4037	-0.5590	0.063420
Fcnaos	chr2:25607891-25631761	1.1051	0.1063	-3.3778	0.077261
Lef1	chr3:131110470-131224356	20.3180	16.3667	-0.3120	0.018362
Chn1os3	chr2:73596525-73616012	0.0771	0.7060	3.1941	0.046038
Lipt2	chr7:100159276-100161365	3.1523	0.8267	-1.9310	0.019569
NA	chr13:23575762-23577011	20.3598	36.8644	0.8565	0.147831
Rab11fip5	chr6:85334962-85374634	0.1857	0.8314	2.1624	0.001440
Rbm3	chrX:8138974-8145880	31.7940	25.3414	-0.3273	0.013149
Gm16337	chr3:9757606-9786142	2.3708	0.4508	-2.3948	0.041272
C78197	chr11:68192192-68196153	3.8368	6.1628	0.6837	0.012826
Il3ra	chr14:14346494-14355490	3.1734	6.6606	1.0696	0.038981
Il18rap	chr1:40515361-40551705	5.7029	8.6647	0.6035	0.039258
Vrk1	chr12:106010262-106077410	20.1016	26.9134	0.4210	0.020325
Cmtm7	chr9:114756836-114781993	53.3230	75.5112	0.5019	0.078846
Gm20732	chr15:68340982-68363176	3.9129	0.4831	-3.0179	0.043872
Gm22343	chr12:4394481-4394767	5.4194	0.6817	-2.9910	0.031329
Slc7a1	chr5:148327409-148399904	10.6606	7.9700	-0.4196	0.038465
Gbp3	chr3:142560051-142573209	44.4470	56.7874	0.3535	0.024810
Tmprss11e	chr5:86705185-86745815	0.0439	0.4595	3.3891	0.010066
Sh3rf2	chr18:42053666-42158960	0.0162	0.3254	4.3287	0.093468
Gm15466	chr3:8882237-8882570	0.1283	3.0392	4.5565	0.047936
Gm26534	chr11:60879117-60887218	0.2408	1.3892	2.5286	0.036063
Uqcrb	chr13:66900616-66905378	13.7660	23.7440	0.7865	0.045950
Gm16310	chr16:92094567-92096490	9.1748	3.9142	-1.2290	0.072718
Rnf19b	chr4:129058270-129085886	26.9819	36.8688	0.4504	0.067755
Fam209	chr2:172472519-172474331	0.5392	3.5872	2.7339	0.119920
Snora26	chr5:74093529-74093650	0.0001	8.1140	16.3081	0.180768
Capg	chr6:72544390-72562983	92.6093	122.6557	0.4054	0.114088
Mettl2	chr11:105126424-105140394	13.4034	9.4994	-0.4967	0.031377
Trav15-1-dv6-1	chr14:53559675-53560247	11.5993	3.4168	-1.7633	0.107899
Gm17088	chr6:134168878-134172007	0.0470	1.7680	5.2336	0.224848
N4bp2l1	chr5:150571642-150594525	20.1665	27.6960	0.4577	0.007609
Tktl1	chrX:74177258-74208500	0.5313	1.6656	1.6484	0.005166
Gng2	chr14:19872558-19977627	17.2545	23.1241	0.4224	0.024358
Havcr2	chr11:46454934-46481255	2.5715	4.5134	0.8116	0.000729
Rab28	chr5:41624975-41708155	8.2089	13.3699	0.7037	0.015471
Ubc	chr5:125385964-125390202	35.9467	46.9861	0.3864	0.041648
Il12rb1	chr8:70808448-70821424	16.1643	23.5192	0.5410	0.050175
Zfp959	chr17:55892183-55898584	9.5254	17.0497	0.8399	0.083502
Ppm1b	chr17:84956740-85023991	19.3019	14.9955	-0.3642	0.026402
Gm6822	chr1:55160739-55161053	4.9118	0.3904	-3.6534	0.109241
Tnfrsf4	chr4:156013842-156016612	180.2141	243.4760	0.4341	0.116328
Ramp3	chr11:6658520-6677475	0.1900	1.3948	2.8757	0.011861
Gab3	chrX:74966842-75085458	0.7032	2.0185	1.5213	0.008834
Gm15163	chrX:157015330-157120545	0.0194	0.4744	4.6141	0.212070
Asl	chr5:130011257-130025132	4.8807	7.3860	0.5977	0.015614
Lta	chr17:35203164-35205351	21.9929	14.8457	-0.5670	0.012868
Dctn4	chr18:60526220-60558762	19.6655	25.4852	0.3740	0.005842
Ifi204	chr1:173747292-173766876	0.6864	2.9753	2.1158	0.102161

Snord49b	chr11:62603078-62603150	2.9466	21.3072	2.8542	0.000099
Ugt1a6a	chr1:88103251-88220002	0.0236	0.2651	3.4875	0.024006
Fuca2	chr10:13499539-13519035	3.9942	5.7078	0.5150	0.003211
Ifngr1	chr10:19591948-19610229	79.5781	104.9863	0.3998	0.066146
Cstb	chr10:78425669-78427619	23.3673	36.6769	0.6504	0.009661
Serpinf1	chr11:75409768-75422701	0.4593	1.5909	1.7924	0.045527
Smg1	chr7:118131307-118243637	38.3939	31.3758	-0.2912	0.056896
Asap1	chr15:64086856-64382919	13.0437	9.8238	-0.4090	0.061126
Arl5a	chr2:52397950-52424901	34.5544	44.3985	0.3616	0.048497
Ift43	chr12:86082560-86162458	0.1654	1.9978	3.5943	0.079516
Tmem241	chr18:11981302-12121480	2.3800	4.1094	0.7880	0.001464
Adap1	chr5:139271875-139325622	12.3306	18.9189	0.6176	0.084810
Gm14584	chrX:53418330-53418967	4.8804	1.1075	-2.1397	0.008991
Lsm6	chr8:78804864-78821140	6.6948	10.7896	0.6885	0.063572
Adamts17	chr7:66839734-67152625	0.0090	0.1478	4.0415	0.022365
Fam193b	chr13:55539318-55571120	22.9704	17.7376	-0.3730	0.041646
Lmntd2	chr7:141210042-141214082	1.9311	4.1609	1.1074	0.042629
Yae1d1	chr13:17986639-17993351	3.0689	1.6263	-0.9161	0.008297
Isoc2b	chr7:4844958-4866193	4.9769	10.1895	1.0338	0.073727
Cox7a2l	chr17:83501918-83514333	76.4497	110.8453	0.5360	0.073302
Ocel1	chr8:71371297-71379361	11.1069	7.7340	-0.5222	0.147109
Gm10012	chr17:25901855-25902227	6.2263	0.4609	-3.7558	0.084922
Ppbp	chr5:90768517-90770060	0.0001	0.9079	13.1483	0.228027
Ctsb	chr14:63122461-63145919	54.7585	68.0572	0.3137	0.036035
Gabarap	chr11:69991142-69994951	69.1680	90.2900	0.3845	0.054238
Nsun7	chr5:66259911-66298016	0.0639	0.4177	2.7076	0.053673
Gm9320	chr17:70853766-70875965	0.4339	4.2800	3.3022	0.104935
Atg4a	chrX:140956906-141164270	3.1009	5.9802	0.9475	0.061377
Pnkd	chr1:74284929-74353694	1.1119	2.2387	1.0096	0.011565
Cass4	chr2:172393793-172433757	3.2005	5.1097	0.6749	0.040577
Gm9958	chr5:90367203-90368487	0.8316	3.5161	2.0800	0.034991
Mapk9	chr11:49846750-49886421	14.3750	18.2713	0.3460	0.006953
Nlgn2	chr11:69823121-69837784	1.7871	0.8087	-1.1439	0.045905
Ska2	chr11:87109233-87124635	5.1422	8.8728	0.7870	0.036716
Asf1b	chr8:83955506-83970197	10.2396	16.1893	0.6609	0.055184
Soat2	chr15:102150525-102163474	0.8756	2.2001	1.3292	0.005149
Bysl	chr17:47599330-47611492	18.2090	13.2124	-0.4628	0.065697
Pea15a	chr1:172196727-172206804	9.2984	13.8313	0.5729	0.042169
Mfsd7c	chr12:85746538-85813585	0.0436	0.4568	3.3886	0.051106
Hist1h2ag	chr13:22042478-22042949	16.4854	30.5834	0.8916	0.083035
Tgfb3	chr5:107106569-107289629	8.4302	6.2629	-0.4288	0.023643
Oasl1	chr5:114923239-114937915	2.5140	4.9070	0.9649	0.048166
Fam220a	chr5:143548707-143564531	8.8236	5.7179	-0.6259	0.013915
Rasa2	chr9:96539299-96631617	17.6115	13.8142	-0.3504	0.060909
Urb1	chr16:90751526-90810413	12.6805	9.7434	-0.3801	0.063134
Ralgps2	chr1:156804165-156939626	12.0788	9.2432	-0.3860	0.028204
Sec24a	chr11:51692263-51763634	6.0894	4.4007	-0.4686	0.055141
Tmem30b	chr12:73543113-73546395	0.7791	0.1330	-2.5505	0.075635
Actn1	chr12:80167541-80260371	36.0395	28.1591	-0.3560	0.062537
Ndufa3	chr7:3617372-3620163	42.0351	63.3399	0.5915	0.051033
Xpo6	chr7:126101714-126200501	31.1730	25.7690	-0.2747	0.035726
C330011M18Rik	chr8:84065235-84067287	3.2787	6.3133	0.9453	0.036808
Clic1	chr17:35049965-35058749	121.8223	154.3745	0.3417	0.045439
Jam2	chr16:84774122-84825928	1.2046	0.5785	-1.0581	0.000374
Hist2h4	chr3:96261703-96263311	46.0382	90.9583	0.9824	0.077701
Ptger3	chr3:157566891-157644758	1.9195	0.6168	-1.6378	0.060340
Firre	chrX:50555743-50635321	0.3757	1.8404	2.2924	0.018148
Polm	chr11:5827859-5838016	9.0501	5.8534	-0.6287	0.090621
Itga2b	chr11:102453296-102470122	0.9068	0.3196	-1.5043	0.052398
Nqo1	chr8:107388224-107403206	0.7563	3.0508	2.0121	0.037884
1810034E14Rik	chr13:64248745-64268145	2.4050	5.1901	1.1097	0.049157
Phlpp2	chr8:109868541-109944671	0.8800	1.5383	0.8057	0.009947
Carns1	chr19:4164323-4175479	9.0788	5.7372	-0.6622	0.118023
Zfp653	chr9:22055459-22071345	12.3912	7.7201	-0.6826	0.067635
Pabpc4	chr4:123262350-123298925	11.8976	8.3986	-0.5024	0.031072
Gm21986	chrX:101295838-101321348	4.9934	3.2346	-0.6264	0.049265
Txnrd3	chr6:89643987-89675529	5.1481	2.7619	-0.8984	0.098712
4933439K11Rik	chr1:172538132-172558129	2.1118	0.7770	-1.4424	0.065852
Stx11	chr10:12939982-12964259	22.6602	31.3077	0.4664	0.085434
E030030I06Rik	chr10:22113049-221148823	0.6093	1.8735	1.6205	0.112128
Lss	chr10:76531587-76557138	4.8947	3.6667	-0.4167	0.005890

Cnrip1	chr11:17051585-17079371	0.4849	1.2499	1.3661	0.042827
Tcf7	chr11:52252370-52283014	92.1087	73.1515	-0.3325	0.104449
Gm20708	chr11:117809667-117839904	9.4821	14.3561	0.5984	0.010314
Fam208b	chr13:3566035-3611108	35.6468	29.0460	-0.2954	0.036095
Hist1h2ai	chr13:21716411-21717452	27.5154	43.2774	0.6534	0.152515
Aaed1	chr13:64291835-64312710	8.4022	15.5339	0.8866	0.025045
Gfi1	chr5:107716656-107726036	14.0749	18.5867	0.4011	0.004422
Tecpr1	chr5:144194441-144223615	35.2740	28.1322	-0.3264	0.089516
M6pr	chr6:122308719-122317680	75.6623	92.2027	0.2852	0.014732
Bcam	chr7:19756130-19771016	1.2067	2.7299	1.1778	0.092373
Aldh16a1	chr7:45140683-45154584	6.0349	8.3563	0.4695	0.009900
Plekhb1	chr7:100642891-100662414	2.1737	1.0822	-1.0062	0.002745
Swap70	chr7:110221702-110283503	29.5026	37.9730	0.3641	0.046019
Oat	chr7:132557474-132576398	20.7462	27.8361	0.4241	0.012422
Ppp1r3b	chr8:35375740-35388124	3.9155	2.4572	-0.6722	0.001555
Rab11a	chr9:64715298-64737758	19.4416	26.2356	0.4324	0.034828
Ccnb2	chr9:70407688-70421554	25.0279	34.6081	0.4676	0.036887
Hmgb3	chrX:71555917-71560676	1.6930	4.0852	1.2708	0.081782
Med12	chrX:101274029-101297465	33.3763	26.1867	-0.3500	0.112374
Spatc1	chr15:76268088-76292572	1.1264	0.0990	-3.5085	0.148894
Ncf4	chr15:78244800-78262580	33.0243	43.7167	0.4047	0.016868
Nisch	chr14:31170929-31216946	22.1797	18.4477	-0.2658	0.031528
Noxo1	chr17:24696233-24700529	0.5039	1.4603	1.5351	0.006352
Ndufv2	chr17:66078794-66101559	39.0597	51.8177	0.4078	0.035225
Alcam	chr16:52248995-52454074	8.7822	12.4211	0.5001	0.116273
Scd2	chr19:44293675-44306864	32.6104	25.7503	-0.3407	0.076752
A530040E14Rik	chr1:85105945-85114035	0.9704	2.4170	1.3165	0.010202
Pogk	chr1:166384621-166409863	8.5252	5.8246	-0.5496	0.163677
Gm26533	chr18:31781225-31789045	13.6873	8.7052	-0.6529	0.035201
Ssna1	chr2:25271038-25272438	18.9050	27.3741	0.5340	0.010562
mt-Cytb	chrM:14144-15288	366.7702	286.1805	-0.3580	0.121544
Arhgef10l	chr4:140514484-140666012	0.3673	0.0320	-3.5218	0.113350
Cpne7	chr8:123117373-123135182	0.0852	0.6620	2.9576	0.147735
Gm14862	chrX:9250927-9256899	0.0246	1.2155	5.6243	0.153261
Polr2k-ps	chr11:95761490-95761665	0.2441	5.8192	4.5751	0.147564
Usp34	chr11:23306894-23490560	19.0049	15.2348	-0.3190	0.078353
Rhob	chr12:8497762-8499985	1.6155	3.5170	1.1224	0.018900
Trav16n	chr14:53351089-53351621	13.0961	5.1175	-1.3556	0.004397
Flot2	chr11:78037930-78060434	6.4537	10.0086	0.6330	0.048162
Pik3r4	chr9:105642994-105687655	15.2778	11.7685	-0.3765	0.027699
Hist1h3a	chr13:23761852-23762386	40.3935	67.0620	0.7314	0.150458
Slc16a5	chr11:115462473-115474398	3.2447	1.5399	-1.0753	0.076070
Actg2	chr6:83512904-83536265	7.0042	12.1685	0.7969	0.030173
Prmt5	chr14:54507186-54517525	26.3274	20.2644	-0.3776	0.065152
Gm17207	chr5:73210108-73212634	0.2675	2.0389	2.9304	0.011491
Cdkn2c	chr4:109660875-109667189	12.2724	18.2644	0.5736	0.088446
Gm16586	chr1:178321107-178324171	84.4772	67.4783	-0.3241	0.058908
Lman1	chr18:65980753-66022580	8.9204	11.7649	0.3993	0.012545
Stau1	chr2:166947548-166996299	12.9758	10.0783	-0.3646	0.025469
Gm11491	chr11:87121566-87126958	2.9378	6.6279	1.1738	0.039712
Gm26809	chr6:18844219-18847360	1.3017	0.4293	-1.6004	0.033162
Gm26759	chr8:126566969-126590988	29.4676	39.7362	0.4313	0.002415
Zmynd10	chr9:107547309-107551319	2.4234	0.8559	-1.5016	0.019865
Cst3	chr2:148871721-148875692	22.6510	32.5455	0.5229	0.038404
Sdc4	chr2:164424246-164443887	5.9037	8.9493	0.6002	0.010766
Chil5	chr3:106016918-106024916	15.2113	7.4218	-1.0353	0.100004
Stil	chr4:115000158-115043196	1.7709	3.3580	0.9231	0.079381
Reep5	chr18:34344888-34373415	15.6401	21.2500	0.4422	0.020968
Mt1	chr8:94179088-94180325	0.1706	2.5650	3.9103	0.147630
Qser1	chr2:104754794-104816696	2.6494	1.5445	-0.7785	0.046620
Gm14540	chr6:33038467-33043222	2.1928	0.9579	-1.1948	0.050669
A130051J06Rik	chr15:95787855-95791642	3.4749	1.8200	-0.9331	0.002168
Celf1	chr2:90940381-91019497	31.2889	25.6214	-0.2883	0.049289
Cdk19	chr10:40349307-40483818	16.8203	21.8507	0.3775	0.040127
Slfm2	chr11:83065111-83070678	235.4831	289.3860	0.2974	0.032635
Vmp1	chr11:86583864-86683836	96.4058	119.9869	0.3157	0.035776
Ckap2	chr8:22168151-22185819	8.2774	12.8465	0.6341	0.045098
Lmbrd2	chr15:9140620-9198318	3.9353	6.5049	0.7250	0.065198
Kmt2d	chr15:98831668-98871204	9.3150	6.4563	-0.5288	0.260462
Zc3h13	chr14:75284372-75344426	15.9286	12.5508	-0.3438	0.031161
Pcyt1a	chr16:32430920-32475070	3.8559	6.0409	0.6477	0.127079

Gm15674	chr1:130422823-130437914	4.5505	2.1644	-1.0721	0.064954
Sema6c	chr3:95160456-95174024	0.6038	0.1148	-2.3946	0.110583
Wls	chr3:159839736-159935833	27.1746	34.3192	0.3368	0.009921
Gm24500	chr15:34139252-34139376	1.7221	15.4779	3.1680	0.176660
2610001J05Rik	chr6:13867734-13871518	3.0455	4.9697	0.7065	0.007659
Epha1	chr6:42358486-42373268	2.3847	1.0702	-1.1559	0.065371
Prc1	chr7:80294449-80316259	7.9938	10.8406	0.4395	0.077542
Gm13212	chr4:145585165-145625345	1.1178	2.4953	1.1586	0.108217
Bloc1s6	chr2:122738502-122749475	5.6175	8.7989	0.6474	0.045386
Ndnf	chr6:65671589-65706930	0.0738	0.4781	2.6963	0.068033
Ttll12	chr15:83575118-83595157	12.3074	8.4693	-0.5392	0.139771
NA	chr1:171419032-171420352	8.1982	2.6192	-1.6462	0.105778
Mikl	chr8:111311796-111338177	1.9228	4.2764	1.1531	0.043306
Asap2	chr12:21111747-21270171	3.7520	2.5300	-0.5685	0.001262
Sorcs2	chr5:36017179-36398139	2.5893	1.6109	-0.6847	0.093413
NA	chr9:110037288-110040467	3.9241	2.0913	-0.9080	0.097491
Gm12178	chr11:48289983-48290313	11.8029	2.5237	-2.2255	0.249894
Ccr7	chr11:99144195-99155077	103.7926	84.2801	-0.3004	0.058954
Gpn3	chr5:122371875-122382902	11.0722	16.0737	0.5378	0.036060
Rnf111	chr9:70425428-70503725	25.2889	19.1938	-0.3979	0.114873
Klhdc3	chr17:46674549-46680930	21.0304	15.0672	-0.4811	0.045127
Gli2	chr16:4594712-4624924	0.4214	1.3037	1.6295	0.135343
Cd82	chr2:93419110-93463140	102.5821	128.8428	0.3288	0.067075
4930481B07Rik	chr3:95015624-95020138	4.1134	1.8667	-1.1399	0.015778
6330403K07Rik	chr11:71031940-71033513	4.6600	8.1174	0.8007	0.005803
Thada	chr17:84190055-84466196	20.7294	15.6390	-0.4065	0.168345
Mlf1	chr3:67374096-67400003	0.0793	1.0830	3.7708	0.105008
1810037117Rik	chr3:122924361-122926193	17.2754	25.8020	0.5788	0.012727
Lins	chr7:66689888-66717256	2.7344	1.7032	-0.6830	0.007969
Pttg1	chr11:43420249-43426251	12.3584	19.2041	0.6359	0.074980
Smyd4	chr11:75348432-75405705	2.7643	4.6493	0.7501	0.058406
Tbc1d4	chr14:101442359-101609191	33.1914	40.9915	0.3045	0.037765
Zbtb14	chr17:69383049-69390750	8.9479	6.2577	-0.5159	0.046137
Dynlrb1	chr2:155236532-155250277	55.1283	75.7621	0.4587	0.096934
Rsrp1	chr4:134923591-134927671	195.2972	165.1672	-0.2417	0.045667
Fbf1	chr11:116142284-116168166	4.2277	2.8884	-0.5496	0.031201
Cmtr2	chr8:110217959-110224489	9.2372	6.4436	-0.5196	0.029481
4930522L14Rik	chr5:109735989-109751886	4.1575	6.9726	0.7460	0.030846
Anxa4	chr6:86736839-86793584	2.4679	4.1285	0.7424	0.025534
2310010J17Rik	chr7:90124857-90129474	3.3311	11.8352	1.8290	0.021035
Cers4	chr8:4493025-4525757	7.4393	10.4002	0.4834	0.054874
Gm1848	chrX:21146842-21147640	5.2356	1.3720	-1.9321	0.067661
Pigz	chr16:31933850-31946046	2.1689	0.7879	-1.4608	0.082965
Gm14446	chr19:34592887-34601968	59.4152	84.0562	0.5005	0.135115
Gm16329	chr1:21354004-21355116	4.0173	0.1754	-4.5174	0.073643
Srp14	chr2:118475849-118479711	46.7124	66.2579	0.5043	0.093462
NA	chr3:84965055-84965580	10.2114	3.7334	-1.4516	0.155324
Gm9776	chr13:94355838-94358818	1.0115	0.3071	-1.7198	0.001300
Gtf3c2	chr5:31151141-31180144	17.9139	13.9112	-0.3648	0.101617
Msi3l2	chr10:56106916-56116880	3.6884	7.2662	0.9782	0.038960
Pank3	chr11:35769483-35791285	26.1182	20.7069	-0.3349	0.094427
Dkk1	chr7:45207524-45211883	4.1622	8.4540	1.0223	0.021638
Gm17137	chr7:126164032-126168403	4.6501	2.7813	-0.7415	0.094736
Gm20204	chr8:117210777-117215997	2.6229	1.5779	-0.7331	0.006011
Atp5e	chr2:174461071-174464105	28.0972	43.4642	0.6294	0.167292
Ccrn4l	chr3:51224446-51251644	3.9575	2.7218	-0.5400	0.074150
Smpdl3b	chr4:132732965-132757252	1.2817	4.1446	1.6932	0.015580
Phkg1	chr5:129863420-129898549	0.0331	0.3796	3.5181	0.098061
Pelo	chr13:115088356-115090188	10.1972	5.3013	-0.9438	0.189150
Hist1h2ah	chr13:22035112-22035643	10.7797	22.9275	1.0888	0.098801
Vamp5	chr6:72368048-72380468	5.9813	10.3165	0.7864	0.026140
Scn11a	chr9:119753762-119825456	0.2276	0.7303	1.6819	0.036449
Pik3cd	chr4:149649167-149702571	91.7625	76.3458	-0.2654	0.076964
Rundc3b	chr5:8490333-8622952	5.3073	7.9380	0.5808	0.027755
Papd5	chr8:88199212-88259722	23.3518	18.8929	-0.3057	0.022263
Gm15036	chrX:49164907-49165307	6.5569	0.6302	-3.3791	0.086558
Nfya	chr17:48386884-48409906	8.5597	6.7013	-0.3531	0.004673
Mbtd1	chr11:93885851-93946985	5.8558	4.3956	-0.4138	0.109498
Trim65	chr11:116121845-116131128	5.4395	3.7345	-0.5426	0.084865
Eci2	chr13:34977747-35027094	11.4382	16.0607	0.4897	0.020366
Tet3	chr6:83362372-83441678	15.9857	12.5776	-0.3459	0.102869

Fam129a	chr1:151571185-151721939	42.0180	53.0169	0.3354	0.062398
Pa2g4	chr10:128557765-128565934	57.2585	43.1308	-0.4088	0.162325
Sipa111	chr12:82170015-82451782	15.7600	12.5149	-0.3326	0.045950
Cxcl10	chr5:92346637-92348889	3.2072	6.4854	1.0159	0.070827
Trbc2	chr6:41546729-41548181	641.1087	791.6566	0.3043	0.064722
Capns1	chr7:30186941-30195164	53.1926	65.9839	0.3109	0.024069
Plekha2	chr8:25039143-25102194	34.5372	42.7887	0.3091	0.024092
Rnf128	chrX:139563315-139673145	0.5540	1.4710	1.4089	0.085797
Ipo4	chr14:55625399-55637895	16.1179	12.6430	-0.3503	0.046763
Mark2	chr19:7275395-7341860	16.5600	12.9341	-0.3565	0.093267
Lpxn	chr19:12798605-12833807	64.8248	85.2464	0.3951	0.056790
Wnt10a	chr1:74791515-74804179	0.6947	0.1083	-2.6816	0.014857
B3galt2	chr1:143640663-143650406	2.8057	1.3292	-1.0778	0.105540
Selp	chr1:164115263-164150026	1.0729	0.4436	-1.2742	0.001495
Ryr3	chr2:112631354-113217096	0.4541	0.8311	0.8719	0.087129
Gm12898	chr4:119223173-119224815	9.0505	3.8267	-1.2419	0.041835
Ccdc28b	chr4:129619273-129623947	11.2179	16.5973	0.5652	0.069075
Gm27022	chr4:136347846-136349441	6.0315	1.5179	-1.9904	0.041222
Srm	chr4:148591502-148594993	29.3088	19.1077	-0.6172	0.172963
Zfp112	chr7:24112313-24127952	0.1475	0.7560	2.3572	0.004784
NA	chr8:109863107-109864203	25.9435	15.4891	-0.7441	0.123774
Gde1	chr7:118688544-118705778	19.6611	27.4750	0.4828	0.024568
Neurl2	chr2:164830731-164833456	3.1642	0.9157	-1.7889	0.040392
Mat2a	chr6:72432798-72439558	87.5185	71.1125	-0.2995	0.070101
Cntrob	chr11:69299486-69323775	3.7147	5.4221	0.5456	0.025029
Hist1h2bc	chr13:23684198-23692488	63.4485	101.4817	0.6776	0.230461
Tbrg4	chr11:6615597-6626067	17.0405	12.5853	-0.4372	0.100409
Plekhg3	chr12:76533559-76579039	0.6902	1.5561	1.1728	0.034842
Ecm2	chr13:49504809-49532789	1.0738	0.2445	-2.1347	0.025499
Asun	chr6:146549631-146577835	30.7020	24.5817	-0.3208	0.052192
Knop1	chr7:118842221-118856254	14.4363	11.4846	-0.3300	0.013427
Rab26	chr17:24527240-24534210	1.5150	2.9886	0.9802	0.038628
Osbp11	chr16:33185070-33243311	17.1616	13.3686	-0.3603	0.042912
B3gat4	chr1:23761752-23849158	7.3019	9.6929	0.4086	0.010614
Mfsd4	chr1:132022805-132068062	17.7901	13.9460	-0.3512	0.106399
Tcof1	chr18:60813754-60848971	29.8067	23.8189	-0.3235	0.079899
Sec11c	chr18:65800548-65817665	35.7494	46.0261	0.3645	0.063449
Sclt1	chr3:41626716-41742514	1.8481	3.3567	0.8610	0.043369
Dnajc12	chr10:63382442-63408840	0.2806	1.4973	2.4156	0.017855
Adssl1	chr12:112620044-112641354	0.1944	1.1099	2.5132	0.098174
Gm17705	chr17:35165118-35167186	0.2995	1.6009	2.4180	0.198599
NA	chr16:36875140-36875638	0.2381	2.1230	3.1562	0.013271
Psm3	chr12:70974620-70996347	13.1113	9.6943	-0.4356	0.041718
Sdad1	chr5:92284009-92310024	22.4045	17.5996	-0.3482	0.075799
Galnt9	chr5:110544344-110621382	3.7847	1.7451	-1.1169	0.196728
Ubn2	chr6:38433949-38524825	6.3442	4.9202	-0.3667	0.099367
Qprt	chr7:127107113-127122226	4.9334	7.5879	0.6211	0.008375
Alox8	chr11:69183931-69197843	2.0855	4.0190	0.9465	0.045051
Fbxo17	chr7:28716803-28738144	3.2767	1.5467	-1.0830	0.040696
Gm15283	chr12:73926480-73949785	53.3874	69.6593	0.3838	0.042740
Adamts10	chr17:33524203-33553782	35.8706	28.0627	-0.3541	0.137340
D1Erd622e	chr1:97643902-97662074	4.7930	7.0005	0.5465	0.006468
Plxna3	chrX:74329065-74344689	2.5371	1.6498	-0.6209	0.040421
Sdf2	chr11:78245745-78255496	20.5194	27.9085	0.4437	0.011117
C630016N16Rik	chr7:30729578-30745929	7.0280	3.3113	-1.0857	0.190787
Rln3	chr8:84042928-84045000	17.8336	30.4162	0.7702	0.111981
Lrif1	chr3:106684986-106736577	12.2847	9.4733	-0.3749	0.016949
Nacad	chr11:6597822-6606053	4.0369	2.6968	-0.5820	0.007266
Gm12743	chr4:108592424-108619849	0.2814	0.8518	1.5981	0.002720
Brix1	chr15:10474778-10485947	19.0339	13.1860	-0.5296	0.131832
Phf11b	chr14:59320963-59341335	38.8821	52.4485	0.4318	0.034920
Stc2	chr11:31357306-31370074	0.0249	0.2879	3.5340	0.116412
Zfp871	chr17:32771235-32788287	24.4736	18.7331	-0.3856	0.159384
Map4k3	chr17:80580511-80728093	7.9195	5.4394	-0.5419	0.081141
Sdhaf2	chr19:10500512-10525209	17.4328	22.3732	0.3600	0.003733
NA	chr10:118860825-118863542	10.3208	6.3880	-0.6921	0.143136
Zcchc10	chr11:53324678-53333301	5.2983	2.3093	-1.1981	0.053663
Galnt10	chr11:57645441-57787514	18.2231	14.4527	-0.3344	0.082619
Psm11	chr11:80428614-80473248	10.9648	8.6042	-0.3498	0.014393
Heatr1	chr13:12395397-12438677	39.4293	31.9898	-0.3017	0.112717
Pitpnm2	chr5:124118689-124249760	9.2511	6.6756	-0.4707	0.176379

Tmem91	chr7:25669138-25675166	1.9549	0.9727	-1.0070	0.030902
Igf1r	chr7:67952858-68226780	16.6068	11.7752	-0.4960	0.138888
Pgm2l1	chr7:100227393-100278868	6.1138	4.4369	-0.4625	0.027289
Gm20422	chr8:69742861-69774886	13.5756	8.4158	-0.6898	0.063172
Tspo	chr15:83563572-83574201	40.7418	56.6282	0.4750	0.055297
Acvrl1	chr15:101128521-101145336	3.5967	2.1253	-0.7590	0.044160
Myo1f	chr17:33555718-33607764	28.4488	37.9076	0.4141	0.114828
Mettl22	chr16:8470787-8490684	2.8256	4.8183	0.7700	0.028619
Gm10814	chr19:6012619-6018426	12.8366	8.8536	-0.5359	0.029799
Pip4k2a	chr2:18842254-18998126	35.9553	28.9257	-0.3139	0.068883
Card9	chr2:26352175-26360918	3.2547	1.5091	-1.1089	0.121383
Rpl12	chr2:32961558-32964496	28.7907	21.5168	-0.4201	0.080373
Rbl1	chr2:157145892-157204534	18.3503	23.8426	0.3777	0.106959
Arfrp1	chr2:181357689-181365404	21.2384	16.1784	-0.3926	0.079194
Akr1a1	chr4:116636509-116651680	52.4937	70.0243	0.4157	0.106042
Emc1	chr4:139352586-139378730	19.2690	15.8667	-0.2803	0.018018
Padi1	chr4:140812982-140845778	0.2850	0.8453	1.5685	0.047167
A230059L01Rik	chr1:146802964-146806022	0.0532	0.5325	3.3224	0.116950
Fam65b	chr13:24582188-24733816	47.3195	40.4812	-0.2252	0.032392
Airn	chr17:12741310-12860122	4.2060	2.3974	-0.8110	0.070776
Chd4	chr6:125095980-125130591	111.3412	93.7395	-0.2483	0.102079
Dbf4	chr5:8396972-8422716	7.8655	10.8482	0.4638	0.067555
Zfp607	chr7:27862556-27879567	19.2093	13.5679	-0.5016	0.087939
Tlcd2	chr11:75461714-75470899	1.2238	3.1690	1.3727	0.076311
Gm15879	chr16:4032838-4037847	5.8140	2.4413	-1.2519	0.065843
B2m	chr2:122147685-122153083	2938.8161	3598.9873	0.2924	0.101079
Pofut1	chr2:153241532-153270247	11.6997	9.6974	-0.2708	0.002733
Gm5533	chr1:181851573-181853189	0.1087	0.8324	2.9375	0.004817
Akip1	chr7:109703689-109712189	5.3975	9.6772	0.8423	0.020057
Psmb4	chr3:94884092-94886961	76.4293	98.2564	0.3624	0.053069
Clpx	chr9:65294259-65330658	17.0219	13.4104	-0.3440	0.002818
Cd9	chr6:125460265-125494791	15.1265	10.7921	-0.4871	0.028239
Pdpk1	chr17:24073679-24150924	20.1337	17.2320	-0.2245	0.000045
Amigo2	chr15:97244073-97247287	6.2104	4.0614	-0.6127	0.005161
Rragc	chr4:123917445-123936997	20.2742	16.0422	-0.3378	0.016267
Cd109	chr9:78615545-78716253	0.2726	1.0306	1.9184	0.132604
Pcnx13	chr19:5664634-5688908	15.9836	11.5705	-0.4661	0.202911
Gm12276	chr11:62331420-62331721	23.4302	10.1560	-1.2060	0.098951
Sp6	chr11:97013393-97024734	6.7598	4.3583	-0.6332	0.090915
Usp11	chrX:20703905-20720539	3.4961	5.1870	0.5692	0.032515
Traj15	chr14:54204421-54204481	145.6409	65.0342	-1.1631	0.194000
Gm14124	chr2:150257516-150270300	1.0299	0.2782	-1.8885	0.017330
Clta	chr4:44004451-44032846	68.7550	86.3883	0.3294	0.053833
Atcay	chr10:81204507-81230833	4.0041	6.1635	0.6223	0.056620
BC004004	chr17:29268787-29302881	10.0356	13.0347	0.3772	0.019362
Bub1	chr2:127801121-127831865	5.1788	8.4281	0.7026	0.103300
Gm15472	chr3:103863165-103864423	10.1236	4.9368	-1.0361	0.089363
Kcna2	chr3:107101566-107106879	0.3761	1.0360	1.4618	0.008245
Snrnp40	chr4:130360131-130390026	24.3391	19.8117	-0.2969	0.016014
Zscan18	chr7:12768091-12775658	0.0825	0.5576	2.7560	0.038393
A830012C17Rik	chr4:4138320-4188703	0.4313	1.9339	2.1648	0.024913
Vps54	chr11:21239280-21321136	51.4357	64.1605	0.3189	0.110824
Gm24853	chr12:81501239-81501360	42.7224	17.0120	-1.3284	0.122615
Gm15135	chr7:104261464-104262174	32.2781	49.8651	0.6275	0.078323
Xylt1	chr7:117380978-117667751	1.5499	2.8010	0.8538	0.036216
Evi5l	chr8:4166566-4211257	1.4221	2.2825	0.6826	0.067452
Prcc2a	chr17:35149075-35164897	28.0318	20.7124	-0.4366	0.225191
Gm22345	chr4:108537490-108537597	12.5321	1.5632	-3.0030	0.043431
Ipo13	chr4:117894485-117914999	4.9543	3.2577	-0.6048	0.030513
Gm12867	chr4:119130291-119131001	3.4494	0.5760	-2.5821	0.003939
Cherp	chr8:72460488-72475233	10.4462	7.2005	-0.5368	0.122684
NA	chr5:136345883-136350231	1.7768	0.6876	-1.3696	0.157988
St5	chr7:109523910-109617147	3.1632	1.8321	-0.7879	0.076272
Nlrp1a	chr11:71092235-71144704	0.0835	0.4840	2.5346	0.035313
Fbxo5	chr10:5799159-5805600	11.2987	18.5486	0.7152	0.107824
Rexo1	chr10:80540921-80561560	10.3115	7.4216	-0.4745	0.146016
Afmid	chr11:117825923-117839908	6.6542	9.4466	0.5055	0.013590
Xrcc3	chr12:111803191-111813873	2.2202	3.9660	0.8370	0.021345
Ighm	chr12:113418949-113422730	426.5865	557.7485	0.3868	0.217924
Abcf2	chr5:24565340-24577467	49.3629	39.8735	-0.3080	0.077830
Eif3b	chr5:140419304-140443358	68.2714	56.1792	-0.2812	0.073308

Ankrd26	chr6:118502563-118562256	6.9588	5.0731	-0.4560	0.028505
Lrp6	chr6:134446475-134566965	14.5810	11.8913	-0.2942	0.056555
Sugp2	chr8:70234225-70279915	9.2546	7.6318	-0.2781	0.032064
Tle3	chr9:61372365-61418497	25.0651	19.4706	-0.3644	0.151293
NA	chr9:88438597-88441187	3.9102	1.8523	-1.0780	0.167765
Sepp1	chr15:3268546-3280508	51.5173	67.4178	0.3881	0.105132
Cby1	chr15:79659226-79667660	5.0723	8.9571	0.8204	0.013467
Brd1	chr15:88687299-88734233	18.6683	15.2789	-0.2890	0.058800
Trav8-2	chr14:53738301-53741038	2.6087	1.2165	-1.1006	0.009147
Micu2	chr14:57916279-57999262	39.7943	50.9472	0.3564	0.039736
Birc6	chr17:74528294-74703773	38.3638	32.7939	-0.2263	0.072185
Ms4a6d	chr19:11586603-11604849	1.6212	3.6930	1.1877	0.020262
Nolc1	chr19:46075862-46085528	40.2295	31.7444	-0.3418	0.127648
Frmf5	chr2:121545528-121807087	0.9278	1.9235	1.0518	0.083051
Naa20	chr2:145902098-145916425	12.1470	16.8209	0.4697	0.052193
Gid8	chr2:180710116-180718733	15.6938	21.3532	0.4443	0.038179
Nexn	chr3:152236985-152266320	3.3493	1.6020	-1.0640	0.015597
Clcn6	chr4:148004258-148038821	4.7570	2.8764	-0.7258	0.199745
Ighj3	chr12:113429084-113429132	13.2577	47.1666	1.8309	0.060911
Zfp11	chr5:129654592-129670099	2.9299	1.7948	-0.7071	0.001476
Eftud2	chr11:102838472-102880985	18.6691	15.1980	-0.2968	0.080828
Polr3e	chr7:120917743-120947432	21.2796	16.1072	-0.4018	0.099642
Gm8818	chr1:153305431-153306478	0.4896	2.8452	2.5389	0.075992
Gm20682	chr12:99292607-99296620	1.3443	0.5296	-1.3439	0.068890
Znhit2	chr19:6061191-6062470	8.4583	13.4409	0.6682	0.046489
Pde4dip	chr3:97689823-97888707	3.6791	5.1197	0.4767	0.092026
Tmem255a	chrX:38196572-38252439	1.5771	0.8245	-0.9357	0.001249
Cabp7	chr11:4736891-4746778	2.4928	4.5360	0.8636	0.030936
Thap2	chr10:115369965-115384435	8.2077	5.8649	-0.4849	0.014637
Gm24336	chr19:44113978-44114124	54.9591	96.8122	0.8168	0.143230
Tmx4	chr2:134594184-134644145	5.3323	6.8789	0.3674	0.025434
Pifo	chr3:105996956-106014646	3.1122	0.6629	-2.2311	0.137988
Rps13-ps2	chr7:88530404-88530925	39.8188	60.6153	0.6062	0.083109
2410006H16Rik	chr11:62602876-62604807	96.9070	129.3847	0.4170	0.037366
Kbtbd2	chr6:56777523-56797813	33.5494	27.5504	-0.2842	0.049669
Utf1	chr7:139943788-139945112	2.0383	0.4083	-2.3196	0.106917
Preli2	chr18:41875695-41951194	8.8678	15.5947	0.8144	0.035460
Cwc22	chr2:77881158-77946375	10.6013	8.5199	-0.3153	0.011060
Gm16023	chr4:155608299-155624755	8.3011	5.5878	-0.5710	0.051810
Fancd2	chr6:113531681-113597017	2.4968	3.6484	0.5472	0.056566
Crebbp	chr16:4084047-4213404	26.4839	20.1293	-0.3958	0.206000
Gm13561	chr2:62357070-62470913	0.3720	1.5150	2.0258	0.020041
Gopc	chr10:52337023-52382124	13.5540	10.5577	-0.3604	0.030400
Plaur	chr7:24462499-24475873	2.1052	0.4917	-2.0982	0.032507
Ppan	chr9:20888174-20892178	35.0038	27.8766	-0.3285	0.045950
Anln	chr9:22331213-22389206	3.7882	5.5560	0.5525	0.056777
Chic1	chrX:103356475-103396092	0.7290	1.4041	0.9456	0.073613
Huwe1	chrX:151800806-151935417	35.0874	28.4437	-0.3028	0.186463
Tmbim1	chr1:74288246-74305622	2.3168	3.1808	0.4573	0.015903
Myh7b	chr2:155611211-155634307	0.8214	0.3954	-1.0549	0.000388
mt-Nd2	chrM:3913-4951	58.0414	39.9919	-0.5374	0.159774
Ralgps1	chr2:33133420-33371486	3.5656	2.3502	-0.6013	0.114620
Fgfbp3	chr19:36917549-36919615	0.0762	0.6125	3.0077	0.008416
Lrp5	chr19:3584827-3686564	0.7770	0.3953	-0.9749	0.049715
Pdcd1	chr1:94038306-94052553	53.3360	69.9309	0.3908	0.094149
B4galnt1	chr10:127165155-127172340	158.0357	132.0667	-0.2590	0.093217
Prpf8	chr11:75486815-75509449	95.5296	82.8510	-0.2054	0.031056
Sbno1	chr5:124368701-124425914	38.6530	32.9235	-0.2315	0.028890
Gapdhs	chr7:30729774-30743681	4.0575	1.8290	-1.1496	0.080182
Gng5	chr3:146499833-146505572	10.2279	14.9069	0.5435	0.059092
Aknaos	chr4:63381357-63394018	23.2402	14.9826	-0.6333	0.124114
Mecr	chr4:131843469-131867786	7.6928	5.2392	-0.5542	0.056420
Ppm1h	chr10:122678761-122945795	15.2469	12.0615	-0.3381	0.139175
Tmem123	chr9:7764040-7794333	65.3721	80.8976	0.3074	0.063173
D030055H07Rik	chr9:106148686-106160201	1.3553	2.2771	0.7486	0.031558
Parp9	chr16:35938469-35972605	44.3075	55.6768	0.3295	0.079053
Gm6969	chr12:24638668-24639010	0.3747	3.5443	3.2417	0.059005
Pfas	chr11:68985696-69008460	16.6347	13.1648	-0.3375	0.117299
Telo2	chr17:25099569-25115967	6.4272	4.9389	-0.3800	0.028853
Gnpda2	chr5:69573107-69592337	6.7115	9.5541	0.5095	0.089698
Ptpn18	chr1:34459745-34473775	64.5262	89.0246	0.4643	0.183582

Manf	chr9:106838311-106891979	18.1199	23.7716	0.3917	0.048814
Wdr46	chr17:33940659-33949695	28.4765	20.9484	-0.4429	0.141581
Gm11532	chr11:97020507-97026248	5.2051	3.4937	-0.5752	0.086923
Prpf39	chr12:65036332-65063386	44.7354	36.7166	-0.2850	0.079138
Slc6a6	chr6:91684066-91759063	23.5763	19.3741	-0.2832	0.054191
Gm24757	chr7:30311524-30311895	6.5955	14.1987	1.1062	0.019587
Ei24	chr9:36779158-36797393	21.5368	28.3425	0.3962	0.041407
Nt5e	chr9:88327608-88372089	116.0600	141.4886	0.2858	0.066723
Bbs1	chr19:4886897-4906627	0.8946	0.3462	-1.3694	0.159384
Gm13703	chr2:73357267-73364333	6.2091	1.3967	-2.1524	0.043773
Lyn	chr4:3678114-3813122	1.2428	2.3125	0.8959	0.022955
Pdik1l	chr4:134275001-134287895	8.7568	11.3607	0.3756	0.030591
Dhrs3	chr4:144892826-144928209	3.0884	5.1745	0.7446	0.119489
Gm15063	chrX:75573451-75575268	2.0000	4.8666	1.2829	0.053839
Vamp8	chr6:72385222-72390703	33.1992	44.1095	0.4099	0.105177
Nxt1	chr2:148672600-148676027	11.3973	20.0512	0.8150	0.085250
Gstk1	chr6:42245934-42250441	5.6848	2.4808	-1.1963	0.015747
Utrn	chr10:12382187-12861735	99.9214	84.2684	-0.2458	0.112591
Txlnb	chr10:17796225-17845665	0.3403	0.8885	1.3845	0.049688
Sf3a2	chr10:80798197-80804924	11.6395	8.0025	-0.5405	0.101259
Rufy1	chr11:50389285-50431125	14.4227	10.6946	-0.4315	0.030691
Gm11521	chr11:95336010-95337408	8.2756	2.2774	-1.8615	0.135468
Ubqln1	chr13:58176155-58215653	51.8692	42.1732	-0.2986	0.107544
Hmgcr	chr13:96648966-96670936	35.0628	29.3808	-0.2551	0.044131
Psmc7	chr8:107580380-107588482	35.7939	26.9303	-0.4105	0.079429
Urb2	chr8:124021507-124048505	17.0915	13.8203	-0.3065	0.052555
Neo1	chr9:58874678-59036441	0.2917	0.0729	-2.0006	0.083684
Gm2245	chr15:6604340-6654303	15.0374	10.7718	-0.4813	0.115524
Sec24c	chr14:20674320-20694850	59.6011	49.5266	-0.2671	0.111256
Dhrs4	chr14:55478757-55490338	8.5135	13.0963	0.6213	0.015888
Rab11fip3	chr17:25989035-26069409	3.9756	2.7080	-0.5540	0.070927
B3galt4	chr17:33949913-33951488	8.7170	12.9730	0.5736	0.016793
Adprh	chr16:38445398-38452689	24.0372	33.0330	0.4586	0.069514
Slc43a3	chr2:84936578-84958509	5.3250	7.6619	0.5249	0.067595
Casc5	chr2:119047118-119105501	6.3110	8.8722	0.4914	0.183608
Gm25445	chr4:53720901-53721200	7.7410	2.0168	-1.9405	0.078150
Gm3468	chr14:6020653-6108665	0.3432	1.7531	2.3526	0.060645
Arhgap24	chr5:102481390-102897936	0.0421	0.2404	2.5117	0.157988
Pitpnm3	chr11:72047527-72135778	0.0112	0.1121	3.3233	0.069911
Scg2	chr1:79434668-79440090	0.1127	0.6816	2.5966	0.163119
Nrbf2	chr10:67266688-67285305	1.8527	3.9089	1.0772	0.018007
Dnajc9	chr14:20384637-20388910	53.8226	71.2416	0.4045	0.076155
Atad3a	chr4:155740640-155761093	20.6852	15.2401	-0.4407	0.164641
NA	chr1:143605161-143606608	7.0773	3.3298	-1.0878	0.263159
Eif2b5	chr16:20498816-20509955	36.8354	29.7216	-0.3096	0.083122
Atg16l1	chr1:87755869-87792428	14.4158	11.6480	-0.3076	0.091377
Zfp938	chr10:82224849-82241280	4.4332	7.4475	0.7484	0.049479
Tmbim4	chr10:120201589-120224917	7.3021	11.3493	0.6362	0.124923
Snord104	chr11:106500992-106501062	92.7832	46.8535	-0.9857	0.004055
NA	chr13:104173721-104178439	8.5697	13.0364	0.6052	0.035523
Scfd2	chr5:74204815-74531747	2.2494	3.3324	0.5670	0.047067
Gprin3	chr6:59352460-59426290	16.3041	22.9907	0.4958	0.096146
Tmem219	chr7:126886170-126922917	5.3771	8.4003	0.6436	0.041483
Rab3d	chr9:21907490-21918192	2.0173	3.2494	0.6878	0.022573
Cxcr5	chr9:44511787-44556391	29.1347	39.5705	0.4417	0.156809
Enox2	chrX:49009706-49288259	4.3199	6.3413	0.5538	0.030658
Brwd3	chrX:108737015-108834372	5.1516	3.7732	-0.4492	0.154639
Sntb1	chr15:55638842-55906949	17.2215	22.2491	0.3695	0.017877
Gramd4	chr15:86057694-86137634	35.3658	29.8454	-0.2448	0.028784
Fut11	chr14:20694967-20700197	6.1609	8.6210	0.4847	0.012137
Nek4	chr14:30951485-30987439	8.5967	6.0366	-0.5100	0.017813
Slx4	chr16:3979104-4003770	9.0881	6.7067	-0.4384	0.149379
Dcp2	chr18:44380499-44424969	18.3836	15.4409	-0.2517	0.010226
Gbp7	chr3:142530337-142550083	67.8444	81.7280	0.2686	0.042696
Fsd1l	chr4:53631470-53707009	1.4363	0.8161	-0.8156	0.181203
Txndc12	chr4:108834600-108862127	14.6792	21.4699	0.5485	0.090552
Gm15530	chr16:38685314-38685869	0.7948	3.8119	2.2619	0.119911
Gm14320	chr2:167662108-167667697	0.1045	1.0425	3.3189	0.025869
Myo19	chr11:84880147-84911226	2.9473	1.9639	-0.5857	0.062899
Dqx1	chr6:83057843-83067210	4.6039	2.6559	-0.7936	0.114553
Timm44	chr8:4259730-4275913	21.6805	17.5961	-0.3011	0.008076

Snapc5	chr9:64179296-64182684	23.8287	34.3114	0.5260	0.012691
Rad51c	chr11:87376644-87404954	0.2367	0.8548	1.8523	0.037645
Egln3	chr12:54178980-54203860	2.2431	5.2052	1.2144	0.035725
Frg1	chr8:41397456-41417118	53.0481	74.4154	0.4883	0.142454
Rpl17-ps5	chr5:22612590-22613217	0.2608	2.2063	3.0805	0.108721
Dolpp1	chr2:30392253-30400529	5.7224	8.1100	0.5031	0.013030
Gm2a	chr11:55098114-55113029	36.5225	46.2105	0.3394	0.119381
Prpf4b	chr13:34875493-34902877	89.1134	73.7436	-0.2731	0.135546
Gbp6	chr5:105270703-105293699	17.9233	24.8375	0.4707	0.157161
Arpc3	chr5:122391877-122406179	66.5429	83.5871	0.3290	0.087233
Tmem9b	chr7:109735833-109752875	25.7447	33.4030	0.3757	0.029522
Slc25a4	chr8:46206796-46211284	41.1065	55.4810	0.4326	0.100287
Man2b1	chr8:85083268-85098739	49.5849	41.1824	-0.2679	0.084114
Ccr4	chr9:114490315-114496544	28.8847	37.4829	0.3759	0.066333
Pdcd11	chr19:47090765-47131143	27.0907	22.3736	-0.2760	0.080431
Shoc2	chr19:53944305-54033268	21.5409	27.3633	0.3452	0.073771
Pex16	chr2:92374675-92381217	11.9667	17.3228	0.5336	0.053446
Cenpb	chr2:131177290-131180012	24.7877	31.9828	0.3677	0.078882
Gm20707	chr4:147782318-147809840	2.5075	4.7922	0.9344	0.044597
Zfp651	chr9:121760032-121771742	0.0206	0.1835	3.1541	0.099957
Ugt1a6b	chr1:88103251-88219003	0.0270	0.4019	3.8962	0.119126
9330175E14Rik	chr8:94422898-94435105	10.7757	8.0190	-0.4263	0.171924
Il4	chr11:53602981-53618669	0.1741	1.3260	2.9289	0.099656
Dnajc7	chr11:100582817-100620168	43.0166	36.7337	-0.2278	0.012722
Hist1h2ac	chr13:23681466-23683948	6.1163	10.1694	0.7335	0.173691
Sfxn1	chr13:54071844-54108346	30.0443	24.4126	-0.2995	0.027488
Ice1	chr13:70588688-70637634	26.1703	21.6607	-0.2728	0.102130
Sept11	chr5:93093456-93174958	29.2663	24.3124	-0.2675	0.054975
Arhgap35	chr7:16494472-16614993	7.4330	5.7547	-0.3692	0.062517
Stk32c	chr7:139103637-139213307	1.4505	3.1278	1.1086	0.144328
Trappc4	chr9:44403760-44407548	24.7394	33.2633	0.4271	0.018258
Cetn2	chrX:72913531-72918411	14.8647	23.2772	0.6470	0.159667
Ypel5	chr17:72836703-72851195	19.7155	24.6333	0.3213	0.000262
Cep97	chr16:55899887-55934855	15.4265	12.7652	-0.2732	0.032989
Nmrk1	chr19:18631949-18652194	2.2218	1.1367	-0.9669	0.032793
Hps6	chr19:46003477-46006173	5.4917	8.0852	0.5580	0.032560
Ino80d	chr1:62958417-63114667	12.0824	9.7120	-0.3151	0.125994
Atp1b1	chr1:164437266-164458355	8.0449	5.4041	-0.5740	0.046064
Diap1	chr18:37843600-37935476	23.6554	19.1014	-0.3085	0.134005
Ehmt1	chr2:24790768-24919609	15.9376	13.2126	-0.2705	0.018981
Cep152	chr2:125563087-125625113	11.6040	9.1383	-0.3446	0.065122
Rps10-ps1	chr3:95622277-95622775	8.9630	17.0642	0.9289	0.025267
Trav7d-4	chr14:52769752-52770390	0.2379	2.3565	3.3083	0.020093
Zfp324	chr7:12965837-12974236	7.5350	4.8889	-0.6241	0.252272
Gse1	chr8:120230535-120581390	7.3259	5.3976	-0.4407	0.105238
Tsc22d1	chr14:76414960-76507765	4.0213	2.9017	-0.4708	0.071118
Tmem44	chr16:30511854-30550842	0.2393	0.0714	-1.7445	0.007232
Peo1	chr19:45006557-45012762	7.7180	5.4270	-0.5081	0.037845
Cd48	chr1:171682008-171705258	163.4696	203.0283	0.3127	0.097081
Trim44	chr2:102300118-102407828	25.6955	21.8040	-0.2369	0.000892
Polr1b	chr2:129100994-129126594	16.6915	12.3616	-0.4332	0.214082
Csrp2bp	chr2:144368982-144407676	12.3088	9.5826	-0.3612	0.028176
Gm24041	chr15:58819322-58819478	3.7290	16.7306	2.1656	0.068944
Grb2	chr11:115644044-115708597	14.5566	19.3612	0.4115	0.060432
Il9r	chr11:32187540-32200279	5.1182	7.0848	0.4691	0.045589
Pla2g16	chr19:7557458-7588545	12.1131	15.6048	0.3654	0.079999
Zmat5	chr11:4704677-4737669	8.6049	15.2435	0.8250	0.110991
D430018E03Rik	chr5:142874076-142878373	0.9146	0.2690	-1.7656	0.151343
Osbp13	chr6:50293329-50456201	10.6953	14.9337	0.4816	0.157297
Hcst	chr7:30417716-30419854	55.6993	80.0011	0.5224	0.069373
Zfp809	chr9:22225713-22243197	24.4934	17.8732	-0.4546	0.034302
Kcnk5	chr14:20140057-20181782	2.1118	3.7993	0.8473	0.094383
Mapk8ip3	chr17:24892152-24936977	16.9718	13.8097	-0.2975	0.149309
Capn15	chr17:25959555-25985680	6.1998	3.9359	-0.6555	0.103536
Qtrtd1	chr16:43861406-43926809	11.0293	8.5496	-0.3674	0.033784
Rftn2	chr1:55170158-55226782	0.9734	1.7069	0.8102	0.026150
Tor1aip2	chr1:156035402-156068861	16.9646	14.0948	-0.2674	0.062515
Ttc30a1	chr2:75979105-75981967	0.8908	1.9746	1.1485	0.087216
Mfn1	chr3:32529464-32579239	4.4094	6.0487	0.4560	0.029535
Notch2	chr3:98013537-98150367	20.7756	16.7621	-0.3097	0.158956
Cttnal1	chr4:56810934-56865188	0.7517	0.3573	-1.0728	0.008037

Col14a1	chr15:55307749-55520803	0.1689	0.0123	-3.7828	0.097903
Gm22435	chrX:68684147-68684275	0.8342	9.9626	3.5781	0.191941
NA	chr4:91805348-91806561	4.5846	2.2936	-0.9992	0.001268
Ccl5	chr11:83525777-83530518	3.7722	10.1128	1.4227	0.032684
Lat2	chr5:134600267-134615023	2.9932	5.8478	0.9662	0.084796
Cox6a1	chr5:115345641-115348981	80.0485	107.4915	0.4253	0.110653
Fam3b	chr16:97471049-97504936	0.1090	0.9130	3.0657	0.036756
ltga6	chr2:71745615-71858416	40.8083	34.8076	-0.2295	0.056379
Zfp287	chr11:62700355-62731905	4.6570	6.2381	0.4217	0.047286
Eif4ebp2	chr10:61432496-61452669	17.4039	12.2209	-0.5101	0.086988
Med13l	chr5:118560718-118765435	16.2524	12.9052	-0.3327	0.153355
Ppfi4	chr1:134296782-134332928	0.2333	0.0452	-2.3674	0.023051
Tmppe	chr9:114401094-114411200	8.5575	6.4550	-0.4068	0.139582
Cr1l	chr1:195103788-195131570	41.9688	52.3878	0.3199	0.012273
4930556J24Rik	chr11:3937540-3976778	8.0460	4.6192	-0.8007	0.017031
Gen1	chr12:11240925-11265787	2.6135	4.1196	0.6565	0.015260
Asb13	chr13:3634031-3651774	12.3933	9.4006	-0.3987	0.032461
Rad18	chr6:112619849-112696686	5.2487	7.1420	0.4444	0.029470
Usp18	chr6:121245905-121270916	21.8601	32.4774	0.5711	0.163715
Nop2	chr6:125131882-125144753	50.0130	39.7109	-0.3328	0.150672
Arl2bp	chr8:94666754-94674417	43.8838	56.4369	0.3630	0.087221
Ska3	chr14:57806560-57826163	2.9789	5.4088	0.8605	0.061922
Ndufv3	chr17:31520114-31531321	26.9689	39.1240	0.5368	0.151802
B3galt5	chr16:96235800-96319859	0.1168	0.4201	1.8462	0.129603
Mir1955	chr2:92191976-92192074	17.5343	3.6324	-2.2712	0.079728
Rsb1	chr3:103914119-103966636	25.9549	21.7600	-0.2543	0.033345
Pgd	chr4:149149900-149166771	9.1270	6.9852	-0.3858	0.075217
6330403N20Rik	chr7:80297727-80299616	0.2336	1.5499	2.7303	0.115964
Ifitm5	chr7:140948962-140950239	0.7905	3.6547	2.2089	0.219796
Gm22488	chr15:58146615-58146742	9.1549	0.8334	-3.4574	0.107391
Fam213b	chr4:154895503-154899135	0.1593	1.2274	2.9461	0.006790
Hist1h2ab	chr13:23751087-23751593	45.1207	72.8520	0.6912	0.220876
Mical3	chr8:120931706-121003153	2.3531	1.2484	-0.9145	0.278231
Gsr	chr8:33652522-33698163	16.7657	22.2033	0.4053	0.043969
Slc36a4	chr9:15709737-15742384	3.2617	5.1109	0.6480	0.097685
Crtap	chr9:114375133-114390675	8.6489	5.3304	-0.6983	0.055592
Nckap5l	chr15:99422034-99457748	3.8386	2.3519	-0.7067	0.075287
Focad	chr4:88094628-88411011	4.9992	3.8629	-0.3720	0.063342
Tuba8	chr6:121210733-121226854	0.1854	0.8635	2.2194	0.024606
Nlrp1b	chr11:71153101-71230733	2.4658	4.0973	0.7326	0.126100
Zfyve19	chr2:119208616-119217049	10.3563	7.5181	-0.4621	0.047331
Cirbp	chr10:80165984-80172786	24.4821	31.3349	0.3560	0.042805
Mad2l1	chr6:66535389-66541033	14.9326	19.8708	0.4122	0.027619
Sms	chrX:157443854-157492287	6.8609	5.3298	-0.3643	0.006381
Vim	chr2:13573926-13582826	216.3377	263.5032	0.2845	0.135419
Ndufa8	chr2:36036325-36049406	34.8622	50.6317	0.5384	0.099736
Tsc22d2	chr3:58415688-58466787	9.0241	7.0260	-0.3611	0.122203
Cluh	chr11:74649494-74670847	22.1829	17.5971	-0.3341	0.140181
Recql5	chr11:115892594-115933477	7.1955	5.4452	-0.4021	0.094901
Ifi27	chr12:103434210-103440239	59.6014	75.6983	0.3449	0.065032
Zfp280c	chrX:48541624-48594504	9.2384	6.9511	-0.4104	0.053503
Apol9a	chr15:77403788-77411080	0.0951	0.7766	3.0294	0.025792
Orai1	chr5:123015073-123030450	17.1874	23.2999	0.4390	0.099179
Grin2d	chr7:45831882-45870928	0.0475	0.2948	2.6351	0.006351
Traj32	chr14:54186100-54186166	95.4004	40.2498	-1.2450	0.201982
Gm13680	chr2:83353156-83353949	0.5926	2.3375	1.9799	0.036078
Gm11946	chr11:3530156-3536856	0.6339	0.2256	-1.4906	0.004568
Hsp90aa1	chr12:110690604-110702728	39.2281	30.0214	-0.3859	0.204368
BC023829	chrX:70459752-70477180	4.9630	7.7883	0.6501	0.048115
Tnfrsf10b	chr14:69767471-69784403	0.7974	1.7667	1.1478	0.131245
Inadl	chr4:98395784-98719603	6.9222	5.6480	-0.2935	0.026107
Rps12-ps19	chr11:75070813-75071213	6.2681	1.1081	-2.5000	0.236152
Tsc22d3	chrX:140539527-140600659	37.4624	31.8753	-0.2330	0.007034
Dgcr2	chr16:17839481-17894145	23.4001	18.7769	-0.3176	0.166193
Sreb1	chr15:82147265-82205376	30.2221	24.0443	-0.3299	0.158629
Pot1b	chr17:55652024-55712628	6.7946	9.7088	0.5149	0.061402
Gm26493	chr8:95746059-95746195	2.4311	12.6660	2.3813	0.150355
Rhobtb2	chr14:69784989-69805530	13.8638	10.4205	-0.4119	0.149183
Ufm1	chr3:53855211-53863830	5.6826	8.0584	0.5039	0.067577
Ago3	chr4:126331703-126429556	5.3209	4.3264	-0.2985	0.040149
Arhgef18	chr8:3393005-3456601	35.0665	29.7759	-0.2359	0.061433

Slc16a4	chr3:107291229-107312115	3.0833	1.8740	-0.7183	0.024708
Tdrd7	chr4:45965333-46034761	2.1230	3.8170	0.8463	0.051235
NA	chr10:22113049-22149270	0.5677	1.6129	1.5063	0.219023
Enpp1	chr10:24637913-24712159	2.1525	3.0278	0.4923	0.048454
Vps26a	chr10:62454842-62486805	19.2384	26.2734	0.4496	0.101521
2700097O09Rik	chr12:55045660-55080110	3.5618	2.3618	-0.5928	0.050533
Isca2	chr12:84773269-84775089	20.2284	29.0122	0.5203	0.024634
Ttll5	chr12:85824658-86061893	2.3991	1.7026	-0.4948	0.175990
9330161L09Rik	chr12:103406821-103407820	6.4844	2.7772	-1.2233	0.159480
5730480H06Rik	chr5:48395572-48414294	3.2614	1.2524	-1.3808	0.263230
Eif2ak3	chr6:70844514-70905245	10.2812	7.9054	-0.3791	0.075589
Gas2	chr7:51862014-51994975	1.2149	2.0724	0.7705	0.026788
Gm20939	chr17:94873985-94877497	2.9368	5.2832	0.8472	0.018661
BC106179	chr16:23220655-23225368	6.9478	4.9383	-0.4925	0.038944
Cox5b	chr1:36691486-36693385	59.0815	83.3189	0.4959	0.083518
Kdelc1	chr1:44091462-44118808	3.4882	5.4402	0.6412	0.132911
Fkbp1a	chr2:151542482-151561692	17.1184	13.6062	-0.3313	0.053909
Ccdc17	chr4:116596653-116600266	2.6143	4.6884	0.8427	0.086139
Zmym6	chr4:127077382-127124372	9.2812	7.3618	-0.3343	0.050229
Syt1	chr4:133253089-133263113	11.6310	16.4848	0.5032	0.101247
Gm13032	chr4:140810992-140817511	0.5139	1.4040	1.4499	0.030367
Gm23692	chr16:94429072-94429232	8.5984	1.1689	-2.8789	0.013636
4930442H23Rik	chr10:81182604-81183849	4.7724	1.7154	-1.4762	0.153945
NA	chr1:34236595-34238820	1.5038	0.5563	-1.4347	0.100557
Dock4	chr12:40446052-40846486	0.4489	0.9102	1.0199	0.101727
Cyp51	chr5:4081144-4104746	31.2801	24.9097	-0.3285	0.151825
Kcnn4	chr7:24370262-24385209	138.7446	118.1630	-0.2317	0.075564
Rnps1	chr17:24414674-24425895	23.5545	18.2280	-0.3698	0.032952
Fam49b	chr15:63929096-64060448	47.8861	58.8575	0.2976	0.067421
Traj49	chr14:54168685-54168744	1.8992	18.1833	3.2592	0.129984
Zkscan5	chr5:145204561-145221750	3.7699	5.6362	0.5802	0.059491
Fbxl12os	chr9:20607480-20617271	0.4716	1.0939	1.2140	0.089095
Pqlc1	chr18:80253291-80292725	0.5806	1.2555	1.1126	0.039620
Hopx	chr5:77086442-77115161	25.9021	34.1879	0.4004	0.096948
Lnpep	chr17:17527722-17624489	83.7730	71.4644	-0.2293	0.076344
Klc2	chr19:5107745-5118560	2.5688	4.1747	0.7006	0.078068
Fancc	chr13:63304708-63497278	7.3602	5.8176	-0.3393	0.046279
Fli1	chr9:32422207-32541389	54.0333	65.9434	0.2874	0.052471
Gm26621	chr15:68334714-68337430	2.3276	0.9743	-1.2564	0.170871
Cnn1	chr9:22099280-22109630	0.0362	0.5156	3.8335	0.130792
Nsun7	chr13:69533745-69635780	49.1773	39.9778	-0.2988	0.183311
Ndufa7	chr17:33824590-33838316	23.2102	32.6400	0.4919	0.124628
A230005M16Rik	chr2:25705849-25709716	1.0959	3.1263	1.5123	0.091856
Zfp106	chr2:120506819-120563843	24.8506	21.2700	-0.2245	0.034887
Pabpn1	chr14:54892499-54898169	35.3633	29.3689	-0.2680	0.031351
Rbm4b	chr19:4756542-4767065	14.6079	11.7623	-0.3126	0.127385
Aak1	chr6:86849516-86991864	8.9451	6.7829	-0.3992	0.165559
Dhx38	chr8:109548016-109565601	31.3162	25.7933	-0.2799	0.067700
Oard1	chr17:48410013-48417266	19.0449	27.6263	0.5366	0.090420
Leprot	chr4:101647717-101659364	19.2792	25.3233	0.3934	0.027828
Gm20648	chr9:80073428-80073756	0.2605	3.5544	3.7702	0.074756
Lrpprc	chr17:84705246-84790789	22.0140	18.1106	-0.2816	0.118441
Igsf3	chr3:101377124-101463060	1.5908	0.9261	-0.7806	0.109079
Srgap3	chr6:112717970-112947266	1.0078	0.4857	-1.0531	0.139314
Sub1	chr15:11981338-11996983	35.7228	48.6667	0.4461	0.209981
Il1r2	chr1:40084767-40125219	23.3585	37.3061	0.6755	0.261794
Kif21b	chr1:136131388-136177998	52.6886	42.9029	-0.2964	0.208112
Hist1h2an	chr13:21786825-21787218	34.3940	57.8977	0.7513	0.259291
Gm11695	chr11:115462044-115463454	4.4640	1.0181	-2.1324	0.068838
Maf	chr8:115682941-115707794	32.2961	42.8993	0.4096	0.230065
Fam78a	chr2:32050054-32084857	21.8097	18.3809	-0.2468	0.027686
Knstrn	chr2:118814002-118853957	4.4873	6.1702	0.4595	0.040009
Igfbp7	chr5:77349239-77408045	1.7058	5.1081	1.5823	0.037344
Ncor1	chr11:62316425-62458541	50.0942	44.0159	-0.1866	0.022306
Gga3	chr11:115584254-115604051	10.2412	7.3618	-0.4763	0.202487
Rbms2	chr10:128129469-128180297	3.3511	2.0914	-0.6801	0.086480
Hist1h2bh	chr13:23542923-23543359	64.5062	95.2145	0.5617	0.197130
Gm17108	chr13:69610497-69614901	11.2059	7.9219	-0.5003	0.118691
Ywhag	chr5:135908408-135934616	15.2007	12.0927	-0.3300	0.060743
Rnf181	chr6:72359713-72362721	23.0664	29.6487	0.3622	0.043141
Dnajc19-ps	chr7:103882641-103883119	3.3187	0.3424	-3.2768	0.097797

Herpud2	chr9:25108129-25151781	11.1892	15.4991	0.4701	0.059380
Slc17a5	chr9:78536487-78588041	6.1895	4.2168	-0.5537	0.060378
Agpat4	chr17:12118703-12219645	4.2006	6.4336	0.6151	0.043150
Sod1	chr16:90220741-90226322	118.4740	157.5846	0.4116	0.112906
Gm13939	chr2:109902395-109913319	3.1149	1.2752	-1.2885	0.121856
Dph5	chr3:115888172-115929332	20.0336	15.3734	-0.3820	0.110954
Wwp1	chr4:19608302-19708993	7.3559	9.6911	0.3977	0.054842
Hivep3	chr4:119733783-120138045	2.5302	1.7757	-0.5109	0.156345
Pus1	chr4:155887878-155891781	19.4726	14.8028	-0.3956	0.084899
4930512H18Rik	chr8:61849005-61922834	1.7902	4.0324	1.1715	0.093848
Spin2c	chrX:153832224-153834243	4.3762	7.9324	0.8581	0.067557
Ubl3	chr5:148504630-148552789	44.1261	54.3823	0.3015	0.068974
Ddx17	chr15:79527706-79546741	127.1512	112.8317	-0.1724	0.002580
Gm340	chr19:41582369-41586536	11.0514	8.1983	-0.4308	0.095101
Lix1l	chr3:96601132-96625352	1.2108	2.5474	1.0730	0.064610
Txnrd1	chr10:82859205-82897724	28.0329	23.3741	-0.2622	0.012880
Pcnx	chr12:81860029-82000924	7.4789	6.0294	-0.3108	0.086815
Colgalt1	chr8:71611023-71624909	25.4776	20.5148	-0.3126	0.093948
lrf2bp2	chr8:126588295-126593436	48.5365	58.5428	0.2704	0.080381
Gm3739	chr14:7293647-7315049	1.6810	3.7164	1.1446	0.113886
Ankrd16	chr2:11777875-11790325	16.0766	12.8599	-0.3221	0.139290
Ahcy1	chr3:107663117-107696560	17.1656	13.9357	-0.3007	0.096055
Trpv4	chr5:114622151-114658421	0.7395	0.1325	-2.4803	0.152368
Car7	chr8:104534699-104550343	0.1390	0.8252	2.5693	0.123444
Cul4a	chr8:13105620-13147940	10.3858	13.1321	0.3385	0.049782
Ankrd11	chr8:122883336-122974793	41.7023	34.8823	-0.2576	0.151137
Cdca2	chr14:67676330-67715841	4.1815	5.9586	0.5110	0.121708
Bmf	chr2:118528756-118549687	2.7464	1.5659	-0.8106	0.075884
NA	chr1:6214611-6215292	3.8517	8.9639	1.2186	0.027427
Hist3h2ba	chr11:58948910-58949532	16.8274	27.8814	0.7285	0.227845
Nfil3	chr13:52967208-52981073	10.5579	15.6049	0.5637	0.116861
Sos2	chr12:69583761-69681852	6.3885	4.8720	-0.3910	0.089937
Tmem192	chr8:64947184-64969034	13.0147	18.7165	0.5242	0.021999
lrak4	chr15:94543642-94581815	9.0314	11.4478	0.3420	0.007986
Ccdc163	chr4:116708508-116751206	2.7789	4.6030	0.7281	0.021886
Padi2	chr4:140906343-140952586	3.9455	6.3566	0.6880	0.101606
1700007J10Rik	chr11:59725916-59740154	0.1903	1.0069	2.4040	0.035982
Mrpl52	chr14:54426908-54429750	68.7993	94.8001	0.4625	0.075193
Col20a1	chr2:180986534-181017540	1.6606	0.8697	-0.9331	0.011609
Chrne	chr11:70614882-70619216	0.1391	0.9298	2.7410	0.103823
Lgmn	chr12:102394083-102439813	9.3765	12.8621	0.4560	0.020456
Zfp870	chr17:32879227-32886083	3.9740	5.4778	0.4630	0.025873
Ube2j1	chr4:33031415-33052363	35.8825	45.8097	0.3524	0.102078
Cutc	chr19:43752995-43768638	2.1438	5.7786	1.4305	0.036674
Extl3	chr14:65052059-65098106	16.7459	13.1814	-0.3453	0.149848
Usp28	chr9:48985384-49042517	15.8330	11.1735	-0.5029	0.277471
Nop56	chr2:130274429-130279313	43.0297	34.9696	-0.2992	0.169853
Cd53	chr3:106758860-106790149	269.2594	323.3510	0.2641	0.090305
P4ha1	chr10:59323295-59373304	23.9769	29.0500	0.2769	0.009368
Emid1	chr11:5106264-5152257	1.2582	0.4473	-1.4919	0.091096
Polg2	chr11:106768252-106779537	7.2051	5.0279	-0.5191	0.187602
Dguok	chr6:83480216-83506969	13.7668	17.8929	0.3782	0.001840
Zdhhc13	chr7:48789002-48827440	16.8350	24.0829	0.5165	0.149598
Cd86	chr16:36603868-36666081	1.9317	3.3503	0.7944	0.141545
Vstm5	chr9:15239044-15259393	0.8996	0.1156	-2.9606	0.232546
Tnfrsf13b	chr11:61126754-61149372	19.9739	25.3873	0.3460	0.030533
Shcbp1l	chr1:153425161-153452574	0.7113	0.1942	-1.8732	0.145385
Aurkaip1	chr4:155831271-155833130	32.8545	43.0998	0.3916	0.103536
Herc2	chr7:56050154-56231794	36.8708	31.9431	-0.2070	0.081703
mt-Nd1	chrM:2750-3707	626.5446	516.6735	-0.2782	0.174140
lfrd2	chr9:107587717-107593038	23.5922	17.6468	-0.4189	0.132412
Smim11	chr16:92301285-92313041	12.6523	19.6385	0.6343	0.084900
9430008C03Rik	chr2:158355306-158361580	15.3203	11.9517	-0.3582	0.119298
Cpt1a	chr19:3323300-3385732	22.7032	30.0065	0.4024	0.204895
Mbn1	chr3:60501251-60629748	333.0354	386.0541	0.2131	0.029833
Gm26116	chr11:54658496-54658573	25.7848	5.7882	-2.1553	0.208791
Hpgds	chr6:65117292-65144908	0.9465	2.2646	1.2585	0.158680
Eif4g3	chr4:137993021-138208508	15.9748	13.1980	-0.2755	0.108352
Wipf2	chr11:98863637-98905040	4.6444	3.3770	-0.4597	0.102147
Hexa	chr9:59539666-59565105	20.5117	26.8296	0.3874	0.038133
Hsd17b11	chr5:103989761-104021919	3.1400	5.1111	0.7029	0.070147

Suv420h2	chr7:4740114-4747514	9.5695	7.0189	-0.4472	0.109287
Cars	chr7:143557229-143600090	11.0791	8.1647	-0.4404	0.176931
Shisa5	chr9:109038564-109057724	703.3188	841.7724	0.2593	0.145317
Dis3	chr14:99076633-99099770	25.4379	20.3582	-0.3214	0.100460
Rapgef4os3	chr2:72244964-72248975	0.5133	0.0873	-2.5559	0.003276
Oip5	chr2:119609511-119618469	2.8158	5.3127	0.9159	0.077978
Zbp1	chr2:173206611-173218923	25.4947	33.1241	0.3777	0.110991
Cd2	chr3:101275898-101287939	322.9650	373.6272	0.2102	0.009133
Gm20511	chr11:103190709-103192896	33.6969	21.5516	-0.6448	0.099170
Brwd1	chr16:95992091-96082526	14.0589	11.9782	-0.2311	0.069321
Arvcf	chr16:18348181-18407076	0.5889	1.1226	0.9306	0.038301
Lrrc8dos	chr5:105814772-105818988	0.4374	2.8366	2.6973	0.101097
Tigd5	chr15:75909759-75912148	1.6359	0.6619	-1.3055	0.072149
Sh3bp5	chr14:31359879-31436078	15.0193	11.9364	-0.3314	0.014312
Acsc2	chr2:155517947-155585724	5.9511	4.2784	-0.4761	0.187815
Nfkbid	chr7:30421731-30428746	50.1603	39.4495	-0.3465	0.195856
Cml1	chr6:85910153-85915687	2.1600	4.1814	0.9530	0.018262
Eea1	chr10:95940662-96045518	36.7069	46.3289	0.3359	0.220836
Nim1k	chr13:119710093-119755882	0.6841	0.2848	-1.2642	0.264668
Gm16156	chr8:105934332-105945843	8.7681	4.6114	-0.9271	0.046157
Gm25500	chr9:15312551-15312674	26.6407	9.4571	-1.4942	0.060639
Dzip3	chr16:48924231-48994165	5.9526	4.6148	-0.3673	0.091044
Tuba4a	chr1:75214973-75219253	84.6352	67.7896	-0.3202	0.191914
Dbi	chr1:120113279-120121078	19.3545	28.3910	0.5528	0.128652
1700066B19Rik	chr18:35703224-35730869	0.7651	1.8984	1.3110	0.043299
Bmyc	chr2:25706878-25707717	6.0449	11.7165	0.9548	0.141523
Urm1	chr2:29820074-29845002	9.5686	7.1725	-0.4158	0.093461
Trmt10a	chr3:138143447-138159821	2.3122	1.5544	-0.5730	0.084582
Tspan17	chr13:54789376-54796776	0.6333	2.1382	1.7554	0.074988
Tmem17	chr11:22512087-22519234	0.0818	0.6718	3.0378	0.019122
4932702P03Rik	chr13:24905592-24914272	0.0412	0.2931	2.8322	0.007488
Atpaf2	chr11:60400625-60418457	11.0895	15.7607	0.5071	0.060039
Usp36	chr11:118259650-118290244	8.2226	6.6124	-0.3144	0.046907
Opn1sw	chr6:29376670-29388468	0.9298	0.2400	-1.9540	0.020479
Kif7	chr7:79698098-79714186	2.7895	1.6663	-0.7433	0.122871
Nr2f6	chr8:71374122-71381960	8.0965	5.4203	-0.5789	0.132661
Fto	chr8:91313531-91668439	4.0868	3.0983	-0.3995	0.150404
Ihm2c	chr1:85894280-85908675	105.5117	130.6186	0.3080	0.143508
Rps23	chr13:90923130-90924942	1.3432	5.0501	1.9107	0.021064
Irf1	chr11:53770013-53778374	97.5456	113.4316	0.2177	0.017703
Appbp2	chr11:85187261-85235130	17.3111	14.0637	-0.2997	0.131268
Gm11696	chr11:109354777-109363654	4.1928	6.2808	0.5830	0.048542
Adam21	chr12:81558583-81568474	0.4281	0.0273	-3.9692	0.087861
Med26	chr8:72494557-72548310	7.2219	4.7972	-0.5902	0.092806
Crtam	chr9:40972752-41004628	9.5851	6.3916	-0.5846	0.114984
BC021614	chr19:4057477-4059295	59.6741	80.3383	0.4290	0.108399
Dsn1	chr2:156995264-157007154	8.8032	6.4033	-0.4592	0.058180
Ebna1bp2	chr4:118620798-118627776	35.5419	28.9208	-0.2974	0.136731
Tmem234	chr4:129600667-129624059	32.3014	38.1371	0.2396	0.000495
Mtor	chr4:148448610-148557683	13.4262	11.2284	-0.2579	0.067307
Cnih2	chr19:5092870-5098418	0.9378	2.7409	1.5473	0.032399
Chst11	chr10:82985497-83195900	0.9850	2.0743	1.0744	0.094529
Serpib9	chr13:33003249-33017957	11.0156	15.5325	0.4957	0.156798
1700023H06Rik	chr13:80884223-80885524	3.3207	6.7745	1.0286	0.147434
Gimap6	chr6:48701581-48708225	277.5349	333.4353	0.2647	0.110811
Snord35a	chr7:45126345-45126435	46.0725	19.2433	-1.2596	0.107770
Cd81	chr7:143052738-143067934	34.1788	43.2642	0.3401	0.089739
Kri1	chr9:21273457-21287971	46.7968	39.2177	-0.2549	0.049382
Mapk11	chr15:89142485-89149606	34.3266	27.4929	-0.3203	0.124566
Gpd2	chr2:57237634-57370719	4.6295	3.5269	-0.3924	0.006668
Gss	chr2:155563180-155592810	2.7388	1.7296	-0.6631	0.156794
Tmem167b	chr3:108556424-108562466	19.6927	25.1281	0.3516	0.061315
Ccb12	chr3:142701050-142744910	1.0851	2.3128	1.0919	0.073192
Tnfrsf18	chr4:156026163-156028895	167.3390	207.0550	0.3072	0.136602
Dlg4	chr11:70017084-70045532	4.1836	2.9408	-0.5086	0.061475
Ap3b1	chr13:94358959-94566316	36.4198	44.3251	0.2834	0.045278
Atp6v1f	chr6:29467717-29470512	33.6858	45.3246	0.4282	0.097206
Mmd	chr11:90187683-90278589	23.0678	27.6186	0.2598	0.016455
Axl	chr7:25757272-25788705	8.9756	13.6921	0.6093	0.256872
Lrrc32	chr7:98494221-98501831	44.9330	35.0495	-0.3584	0.251889
Mrpl57	chr14:57826238-57828745	11.4817	15.2954	0.4138	0.023510

Iars	chr13:49682099-49734267	15.3463	11.9349	-0.3627	0.195801
Col7a1	chr9:108953585-108984875	0.3947	0.1457	-1.4382	0.178894
Ppl	chr16:5086290-5132481	0.6133	0.2022	-1.6008	0.040104
Clec16a	chr16:10545338-10744878	5.6142	4.3710	-0.3611	0.049753
Impad1	chr4:4762483-4793355	12.5991	16.0817	0.3521	0.094299
Fam92a	chr4:12153408-12172015	5.5960	7.6615	0.4532	0.060370
Zfp133-ps	chr2:144459279-144500267	0.6418	0.1650	-1.9595	0.130270
Cd24a	chr10:43579168-43584262	7.0117	4.0501	-0.7918	0.142924
Tcp11l2	chr10:84576625-84614359	16.4564	20.9802	0.3504	0.055599
Bms1	chr6:118383382-118419417	45.3112	38.4347	-0.2375	0.090705
Actr1a	chr19:46376813-46395735	46.7957	55.5057	0.2463	0.003586
Abhd12	chr2:150832492-150904741	17.7532	22.8030	0.3611	0.064489
1700028N14Rik	chr11:103264859-103267745	1.1110	4.2662	1.9411	0.188745
Grn	chr11:102430314-102437048	5.5472	8.4695	0.6105	0.176095
Gm4759	chr7:106421549-106441073	101.3156	81.2301	-0.3188	0.260321
Unc13a	chr8:71624416-71671757	1.7404	1.1941	-0.5434	0.116462
Rgs1	chr1:144243971-144249242	45.0073	56.4903	0.3278	0.132369
4833422C13Rik	chr13:91701664-91741872	2.0978	1.3051	-0.6848	0.058168
Gm22676	chr2:112500868-112500997	0.6622	7.6798	3.5357	0.312365
Tra2a	chr6:49243920-49264052	42.1358	32.9983	-0.3527	0.134691
4930507D05Rik	chr10:62449488-62451322	2.1392	0.8995	-1.2500	0.056437
Rnf138	chr18:21001340-21028223	14.5288	18.8983	0.3793	0.073311
Ift80	chr3:68892498-69004570	62.6802	51.1605	-0.2930	0.213245
Gm17364	chr13:41273802-41273977	38.3530	9.8021	-1.9682	0.023908
Zdhc23	chr16:43969077-43979093	3.3904	6.0470	0.8348	0.023109
Pus10	chr11:23665673-23732876	14.0894	11.3281	-0.3147	0.048478
Txn2	chr15:77915046-77929006	16.7855	12.1330	-0.4683	0.198825
Son	chr16:91647505-91679221	99.4349	88.9274	-0.1611	0.003808
Nab1	chr1:52457293-52500679	27.2775	32.7479	0.2637	0.016811
Rc3h1	chr1:160906417-160974978	19.7907	16.5914	-0.2544	0.119842
Ugp2	chr11:21321137-21371201	18.4517	23.8948	0.3729	0.105304
Gm15444	chr3:96209626-96220168	4.8930	10.6733	1.1252	0.032274
Srsf12	chr4:33208990-33233340	1.0996	0.3987	-1.4635	0.015125
Nmrk2	chr10:81198169-81202037	0.0813	0.6183	2.9263	0.046835
Dhx33	chr11:70984090-71004437	9.3561	7.7862	-0.2650	0.032668
2010300F17Rik	chr11:96712981-96747436	13.7268	17.9810	0.3895	0.052245
Gtf3c5	chr2:28566310-28583751	6.4791	4.9298	-0.3942	0.009195
2700038G22Rik	chr5:23850596-23854924	9.4150	5.4389	-0.7916	0.144892
Ept1	chr5:30232580-30272012	7.3365	5.8563	-0.3251	0.121690
9330104G04Rik	chr7:16871353-16874886	2.5478	1.1450	-1.1539	0.197139
Snrnp70	chr7:45376461-45395692	184.8542	161.4500	-0.1953	0.028472
Ucp2	chr7:100493336-100502020	46.4661	39.0419	-0.2512	0.162325
Ubxn8	chr8:33619585-33641976	10.2112	14.0686	0.4623	0.075911
Trmt1	chr8:84686306-84699808	14.2149	11.6317	-0.2893	0.073828
Rora	chr9:68653785-69388246	8.6463	11.0270	0.3509	0.123842
Arpp19	chr9:75037613-75060313	12.1619	15.9109	0.3876	0.111457
Maf1	chr15:76351293-76354380	42.1435	52.1558	0.3075	0.092494
Gm17206	chr15:83102071-83105929	3.8417	8.6052	1.1634	0.022800
Scube3	chr17:28142315-28174852	0.1459	0.0137	-3.4111	0.155314
Ammecr1l	chr18:31759823-31784071	14.0537	10.8932	-0.3675	0.141441
Nup214	chr2:31974435-32053975	8.8852	7.4514	-0.2539	0.006826
Evc	chr5:37289097-37336894	0.1677	0.0163	-3.3601	0.094071
Syce1l	chr8:113643212-113655533	0.3082	1.7806	2.5305	0.013052
Gm14817	chrX:73795214-73797616	0.1329	1.4991	3.4953	0.275677
Tbc1d14	chr5:36490603-36593276	7.3696	5.9133	-0.3176	0.087731
Ggn	chr7:29170219-29173933	0.9347	0.2231	-2.0671	0.087726
Rere	chr4:150281645-150621966	7.8544	6.0689	-0.3721	0.152850
Ptges3	chr10:128058953-128077272	18.5672	13.8672	-0.4211	0.138657
Ccdc69	chr11:55049730-55078131	21.4524	28.0864	0.3887	0.063050
Mapk7	chr11:61488811-61494406	7.6414	5.4072	-0.4990	0.186494
Pum2	chr12:8674133-8752581	51.2692	44.1060	-0.2171	0.076000
Brpf1	chr6:113307180-113324857	15.1931	12.7280	-0.2554	0.041211
Sacs	chr14:61138456-61240695	21.3325	18.3854	-0.2145	0.067854
Serpind1	chr16:17331370-17343575	0.3812	1.4057	1.8825	0.089507
Scarna2	chr3:108554337-108554751	646.1440	789.0736	0.2883	0.141030
Usp24	chr4:106316212-106441322	26.6129	22.6951	-0.2297	0.099673
Cxx1c	chrX:53607921-53609132	0.6693	2.3429	1.8075	0.029080
A630052C17Rik	chr11:29170908-29173558	11.2239	8.0716	-0.4756	0.070100
Abhd15	chr11:77515120-77538607	1.2882	2.6980	1.0665	0.064374
Hist1h2bf	chr13:23573735-23574196	21.9654	37.6491	0.7774	0.255006
Cebpa	chr7:35119292-35121926	6.4757	10.3295	0.6737	0.198400

Thsd1	chr8:22227312-22261334	0.5560	0.1588	-1.8080	0.121768
Lrrfip2	chr9:111118110-111225668	11.7305	15.2092	0.3747	0.048792
Ubp1	chr9:113930933-113977199	51.6686	44.6590	-0.2103	0.026298
Avpr2	chrX:73892101-73895502	44.3204	35.3715	-0.3254	0.198954
Ndrgr1	chr15:66929320-66969640	6.9349	5.3100	-0.3851	0.118826
Ly6c1	chr15:75045016-75048837	29.5190	19.5474	-0.5947	0.154701
Sgsm3	chr15:80977764-81012289	2.9215	1.6923	-0.7877	0.226288
Gm20687	chr14:55056177-55072397	2.9681	0.6978	-2.0887	0.136519
Vwa8	chr14:78849177-79202310	10.5282	8.5755	-0.2960	0.033130
Srrm2	chr17:23803186-23824739	83.6570	66.1486	-0.3388	0.322546
Ypel1	chr16:17069695-17087045	4.2109	5.7574	0.4513	0.013727
Gm16066	chr19:3798614-3852419	3.6194	1.5087	-1.2625	0.016020
Ddx59	chr1:136415270-136440158	4.9084	7.7446	0.6579	0.128864
Pck2	chr14:55540265-55550017	6.1015	8.8955	0.5439	0.142425
Ccr5	chr9:124121542-124147699	6.2205	8.8939	0.5158	0.145824
Fez2	chr17:78377884-78418131	6.3812	9.8199	0.6219	0.067371
Fadd	chr7:144577317-144582463	4.0978	5.8211	0.5065	0.040895
Atp11a	chr8:12757013-12868728	7.5300	5.7600	-0.3866	0.205774
Plxdc1	chr11:97923237-97986444	1.1958	2.0826	0.8004	0.091238
Tmem150a	chr6:72355446-72359762	2.2983	4.1685	0.8590	0.010189
Gm26529	chr7:89980748-89981848	3.1199	6.0489	0.9552	0.017998
Mettl16	chr11:74770829-74828525	6.8948	5.6814	-0.2793	0.059322
Fuk	chr8:110882462-110902459	6.3239	4.3198	-0.5499	0.161267
Snord14e	chr9:40804747-40804837	102.4611	54.3000	-0.9161	0.076590
Terf1	chr1:15805657-15843428	20.1781	14.4752	-0.4792	0.077559
1810030007Rik	chrX:12654878-12673668	22.1369	28.4663	0.3628	0.086263
Slain1os	chr14:103692982-103699442	7.2379	5.0369	-0.5230	0.090283
Macrocl1	chr19:7056767-7198061	6.6194	3.9414	-0.7480	0.008766
NA	chr16:18923072-18925657	4.0622	1.6121	-1.3333	0.083359
Alg14	chr3:121291816-121362011	9.9396	5.7040	-0.8012	0.065387
Rbpj	chr5:53555778-53657445	4.7057	6.5597	0.4792	0.115487
Zscan22	chr7:12897814-12909083	4.4844	2.8724	-0.6427	0.163535
2310022A10Rik	chr7:27553294-27582094	1.7948	3.1326	0.8035	0.068081
Rspry1	chr8:94601954-94660275	15.5411	13.1778	-0.2380	0.008041
Zcchc18	chrX:136993154-136998472	2.3622	4.1071	0.7980	0.121880
Gm23935	chr16:11144124-11144181	1167.3346	832.4870	-0.4877	0.224498
Cblb	chr16:52031548-52208047	22.1428	18.1117	-0.2899	0.157325
Entpd1	chr19:40612365-40741602	10.4381	13.3892	0.3592	0.094179
Per2	chr1:91415983-91459330	1.5941	0.9514	-0.7446	0.048104
Pura	chr18:36281096-36301521	11.4432	9.5725	-0.2575	0.099875
Gm13185	chr2:3752985-3755177	6.8780	3.2738	-1.0710	0.136464
Ctps	chr4:120539867-120570276	18.8951	14.8339	-0.3491	0.087945
2610301B20Rik	chr4:10874497-10899425	1.3299	3.6092	1.4403	0.133581
Aldoc	chr11:78322967-78327781	1.7162	3.3164	0.9504	0.196191
Medag	chr5:149368475-149431723	0.7473	0.3418	-1.1288	0.050365
Stx3	chr19:11775118-11819403	2.2272	1.3917	-0.6784	0.046769
Ccnt2	chr1:127774163-127808061	18.1645	14.7252	-0.3028	0.240630
Aim1l	chr4:134065911-134092504	3.0281	2.1711	-0.4800	0.045657
Prnd	chr2:131909956-131956130	0.0552	0.3877	2.8112	0.070973
Zfc3h1	chr10:115384958-115432772	40.1548	34.1673	-0.2330	0.139693
Tmie	chr9:110865710-110880113	3.5089	2.0675	-0.7631	0.095541
Eif2d	chr1:131153180-131187658	15.8627	13.2381	-0.2609	0.057932
Cnn3	chr3:121426540-121458205	7.9940	5.2952	-0.5942	0.064189
Diap3	chr14:86655366-87141224	6.0544	8.4062	0.4735	0.125356
Cryz1l	chr16:91689321-91728975	7.4184	5.5272	-0.4246	0.051705
Chka	chr19:3851772-3894369	1.3248	0.8945	-0.5665	0.063860
Dnaja1	chr4:40722149-40737149	12.6121	10.2260	-0.3026	0.119399
Ptprcap	chr19:4154605-4156751	346.5648	433.6051	0.3233	0.227227
Map2k4	chr11:65688242-65788297	8.4902	10.9796	0.3710	0.034679
Xpc	chr6:91489304-91515884	13.5843	10.8425	-0.3252	0.139573
Ikbkap	chr4:56749679-56802331	15.8652	13.3529	-0.2487	0.034503
Vipr1	chr9:121642715-121672954	5.9035	4.3072	-0.4548	0.128402
A930005H10Rik	chr3:115887821-115888130	21.6991	11.6871	-0.8927	0.093179
Snord91a	chr11:74905423-74905516	1.1481	10.4972	3.1927	0.186414
Thop1	chr10:81070034-81082559	7.6466	5.3937	-0.5036	0.190464
Cdkl2	chr5:92006073-92043042	0.1907	0.6325	1.7296	0.077260
Akr1e1	chr13:4590756-4609174	2.3050	3.7692	0.7095	0.038437
Gm15739	chr5:146248550-146249422	3.5108	1.2080	-1.5392	0.248585
Gys1	chr7:45434843-45456619	2.2904	3.4426	0.5879	0.059254
2500002B13Rik	chr8:57488053-57508877	0.5609	0.0929	-2.5943	0.006455
Rab33b	chr3:51483965-51495905	14.0703	18.1291	0.3656	0.047065

Gcnt1	chr19:17326140-17356667	2.0176	3.3023	0.7108	0.131622
mt-Nd3	chrM:9458-9806	0.3133	2.7794	3.1494	0.165917
Pisd-ps1	chr11:3125903-3131004	85.2753	108.5323	0.3479	0.166358
Tanc2	chr11:105589985-105929304	0.3148	0.1242	-1.3417	0.130671
Jkamp	chr12:72085588-72101461	6.7676	9.3875	0.4721	0.034101
Ap3m2	chr8:22787353-22805654	7.3144	9.6409	0.3984	0.009485
Ttc13	chr8:124671334-124721983	13.4726	11.5928	-0.2168	0.006932
Parp3	chr9:106470321-106476949	30.3990	24.7943	-0.2940	0.122953
Il18r1	chr1:40465551-40500854	21.0395	28.4370	0.4347	0.262066
D63008O14Rik	chr1:106541942-106575045	14.8371	11.2561	-0.3985	0.039080
Rtfcd1	chr2:172440555-172469908	34.7839	42.4124	0.2861	0.041401
Txnip	chr3:96557956-96561883	189.3029	218.3009	0.2056	0.012035
4933421A08Rik	chr4:122961308-122963475	1.2765	0.2084	-2.6148	0.116540
E130102H24Rik	chr4:101346530-101356248	3.4999	9.4022	1.4257	0.034031
Gm15792	chr5:110331205-110333203	0.1389	1.2240	3.1392	0.074698
Kif18b	chr11:102905528-102925124	5.8807	8.7097	0.5666	0.161048
Pus1	chr5:110773666-110780659	20.3252	15.9856	-0.3465	0.057810
Eml2	chr7:19176420-19206482	9.1757	6.2858	-0.5457	0.261931
Mctp2	chr7:72077831-72306595	3.9020	2.8113	-0.4730	0.049424
Nmb	chr7:80902226-80905076	6.0474	10.3002	0.7683	0.018248
Gm9967	chr7:126774964-126776818	3.1381	1.4063	-1.1580	0.156858
Gm16091	chr8:72147600-72160855	29.8445	21.1559	-0.4964	0.121563
Cyp4f16	chr17:32536557-32551798	0.7462	1.7631	1.2404	0.199922
Safb	chr17:56584824-56606294	19.4110	16.5413	-0.2308	0.039330
Fbxl17	chr17:63057451-63500017	9.4744	7.6053	-0.3170	0.034224
Lrrc58	chr16:37868388-37888858	15.2216	12.8057	-0.2493	0.067643
Ttc3	chr16:94370617-94469222	18.6483	16.0792	-0.2138	0.072650
Slc15a3	chr19:10839726-10859362	0.9847	1.8126	0.8803	0.137108
Rassf2	chr2:131989414-132030258	18.9195	16.6486	-0.1845	0.001119
Depdc1a	chr3:159495432-159529955	1.2279	2.2561	0.8777	0.075457
Gm12869	chr4:107349038-107351353	7.4990	1.9270	-1.9603	0.173124
Gm12917	chr4:124718998-124719637	8.1764	3.6722	-1.1548	0.163437
Lypla2	chr4:135968223-135972626	36.2232	45.8840	0.3411	0.119277
Trav4-4-dv10	chr14:53683646-53684176	5.9482	14.6019	1.2956	0.036863
Gramd1a	chr7:31130126-31151050	118.2279	99.7486	-0.2452	0.175441
Fzr1	chr10:81366221-81378516	8.9398	11.6025	0.3761	0.076727
Rab3ip	chr10:116905783-116950380	20.6052	16.4156	-0.3279	0.082172
Dctn2	chr10:127266261-127281959	41.0623	49.5485	0.2710	0.007918
Tom1l2	chr11:60226713-60352905	4.9795	3.7239	-0.4192	0.172255
NA	chr13:21782914-21783397	27.9697	46.6856	0.7391	0.274365
Zfand2a	chr5:139471210-139484549	4.3740	6.3022	0.5269	0.077602
Parp12	chr6:39086409-39118349	7.9548	11.0017	0.4678	0.106619
Atf7ip	chr6:136518850-136607377	34.6431	26.8662	-0.3668	0.315915
Gm16174	chr7:19816552-19818625	3.6721	8.2266	1.1637	0.010479
Atp2a1	chr7:126445857-126463108	2.2914	1.2416	-0.8841	0.164390
Slc25a22	chr7:141429738-141437892	8.5359	6.1513	-0.4726	0.169757
NA	chr15:76721465-76723845	6.2271	8.9829	0.5286	0.003802
Farp1	chr14:121035199-121283744	1.8259	2.9369	0.6857	0.146452
Uqcc2	chr17:27122662-27133916	20.5439	30.1643	0.5541	0.122006
Tmem131	chr1:36792190-36939527	17.5137	13.8502	-0.3386	0.223123
Tmem237	chr1:59100593-59120096	2.7947	5.2084	0.8981	0.067504
St8sia4	chr1:95587683-95667594	50.0796	60.1129	0.2635	0.119079
Sfmbt2	chr2:10370509-10595253	2.8907	2.1195	-0.4477	0.043714
Anapc1	chr2:128610103-128687391	22.2204	19.5485	-0.1848	0.043141
Ube2c	chr2:164769897-164778822	5.5015	8.1687	0.5703	0.124036
Tspan5	chr3:138742194-138904433	5.3142	7.3490	0.4677	0.036609
mt-Tg	chrM:9390-9458	1.6027	14.0210	3.1290	0.161124
Trbj2-4	chr6:41543361-41543410	250.8769	125.4739	-0.9996	0.238252
Scarna10	chr6:125186358-125186683	2047.9878	2596.5550	0.3424	0.298343
Dennd5a	chr7:109893779-109960470	11.1924	13.5773	0.2787	0.041256
Eps15l1	chr8:72341000-72421474	23.2473	18.6292	-0.3195	0.121758
Psemb10	chr8:105935727-105938392	75.8497	93.0963	0.2956	0.093608
NA	chr9:85781862-85782663	2.3468	0.4475	-2.3907	0.162543
Gm14681	chrX:66778441-66778852	10.7949	20.1257	0.8987	0.135133
Bhlhb9	chrX:135885850-135891081	14.5454	11.6676	-0.3181	0.005308
2700060E02Rik	chr14:19811401-19823823	33.7071	45.0720	0.4192	0.145087
Msrb2	chr2:19371439-19394976	3.8608	6.6866	0.7924	0.080681
Rabepk	chr2:34777555-34799912	5.8561	8.3067	0.5043	0.098871
Zfp937	chr2:150218072-150240725	1.2233	2.2717	0.8931	0.037223
Gnb4	chr3:32580331-32616585	3.4118	2.5567	-0.4163	0.164524
Fam76a	chr4:132899212-132922558	8.5791	11.6429	0.4405	0.055547

Asns	chr6:7675168-7693254	0.3202	1.3491	2.0749	0.087848
Ccr1	chr9:123962125-123968692	0.1057	0.5734	2.4397	0.009246
TdGF1	chr9:110939609-110946158	0.0667	0.5312	2.9944	0.082118
Rab8a	chr8:72161199-72183904	36.8846	46.1599	0.3236	0.127730
Traf6	chr2:101678428-101701669	11.7970	9.8736	-0.2568	0.040533
Fxyd5	chr7:31032721-31042481	86.9831	101.8149	0.2271	0.073376
Mvd	chr8:122433595-122443422	17.7799	12.3170	-0.5296	0.207697
Sec24b	chr3:129982758-130061553	10.2621	7.9237	-0.3731	0.170234
Arnt2	chr7:84246280-84409959	1.1854	1.9599	0.7255	0.099987
Gsta3	chr1:21240588-21265361	3.8552	1.7276	-1.1581	0.208966
Zfp775	chr6:48613179-48623227	1.3168	2.1676	0.7191	0.028796
Pdp2	chr8:104591467-104596836	10.0374	7.6571	-0.3905	0.049540
Rab8b	chr9:66843671-66919705	62.3077	74.1818	0.2517	0.111494
Grm6	chr11:50850684-50866208	0.4369	0.1361	-1.6825	0.130319
Mir142hg	chr11:87755576-87757270	357.3943	301.2769	-0.2464	0.029481
Nr1d1	chr11:98767931-98775333	1.6351	0.7114	-1.2006	0.146744
Hn1	chr11:115497352-115514387	57.0287	70.6348	0.3087	0.112575
Ppp1r13b	chr12:111828457-111908055	11.2358	8.6486	-0.3776	0.152531
Nop16	chr13:54584184-54590090	19.3279	14.9814	-0.3675	0.032616
Gm15624	chr6:83166151-83172733	2.4244	1.1727	-1.0479	0.065858
1110004F10Rik	chr7:116093300-116105210	32.5493	42.3128	0.3785	0.102692
Ptdss2	chr7:141122381-141157021	3.1813	2.0792	-0.6135	0.103430
Rnaseh2a	chr8:84956609-84969767	8.3856	10.9886	0.3900	0.058151
Cul5	chr9:53614581-53670014	17.7655	15.0961	-0.2349	0.043218
Rpl14	chr9:120571516-120574653	218.9920	284.5819	0.3780	0.229200
Plec	chr15:76170973-76232574	54.5872	43.4331	-0.3298	0.308460
Slc39a4	chr15:76612384-76616852	9.0443	12.9103	0.5134	0.076175
Npff	chr15:102523842-102524621	7.2301	2.9816	-1.2779	0.036303
Gm20463	chr17:34601150-34601576	7.8071	15.3120	0.9718	0.030141
Fam86	chr16:5244151-5255983	14.3694	11.4121	-0.3324	0.004057
Arl3	chr19:46531108-46573085	4.3637	9.0068	1.0455	0.114272
Dars2	chr1:161040600-161070658	4.3443	6.0171	0.4699	0.081284
Dcaf6	chr1:165329510-165460465	11.2891	14.3050	0.3416	0.012007
2700094K13Rik	chr2:84669217-84670770	19.5377	28.6601	0.5528	0.156018
Jun	chr4:95049033-95052222	2.9783	5.5573	0.8999	0.398117
Efcab14	chr4:115737743-115777327	8.2339	6.3999	-0.3635	0.176600
Hyal3	chr9:107580817-107587359	0.1974	0.9819	2.3145	0.010587
Mnda	chr1:173896354-173912922	0.1523	0.7942	2.3822	0.026029
Fam109a	chr5:121849027-121854599	1.3390	2.5395	0.9234	0.012382
Ankrd13b	chr11:77470484-77489678	4.1339	2.4412	-0.7599	0.265188
Wbscr22	chr3:135052956-135064959	16.4101	13.3097	-0.3021	0.035767
Larp7	chr3:127536953-127553348	37.3475	29.7347	-0.3289	0.127486
Tmem50a	chr4:134897848-134915024	88.4861	108.7993	0.2981	0.086070
Ubxn7	chr16:32332251-32393747	19.5203	16.8333	-0.2137	0.060434
Snord32a	chr7:45127381-45127464	67.7930	129.6402	0.9353	0.247145
Lad1	chr1:135818597-135833341	18.9265	14.3571	-0.3986	0.224578
Ankle1	chr8:71406009-71409904	2.6105	4.5409	0.7987	0.212805
Aspm	chr1:139454772-139494090	7.2565	9.2241	0.3461	0.147691
Thns12	chr6:71128165-71144346	0.3713	1.5495	2.0612	0.022636
Gpr19	chr6:134869092-134897925	4.7602	2.9514	-0.6896	0.156670
Serpinc1	chr1:160978605-161003010	1.6964	3.6231	1.0948	0.036475
Pcsk4	chr10:80321282-80329498	2.5461	1.2736	-0.9994	0.238717
Calm1	chr12:100199434-100209806	147.1218	176.2999	0.2610	0.128087
Sfswap	chr5:129501230-129571383	30.3338	24.5753	-0.3037	0.185128
Vps36	chr8:22192808-22220843	14.5363	18.1394	0.3195	0.030788
Bst2	chr8:71534263-71537437	32.0189	44.1278	0.4628	0.148381
Kif23	chr9:61917279-61946799	7.4979	10.4880	0.4842	0.144709
NA	chr15:76622087-76626027	164.3277	194.7455	0.2450	0.048849
Mrpl49	chr19:6053629-6057751	29.9600	24.3069	-0.3017	0.028919
Gm22571	chr9:64175870-64175941	30.5610	8.4144	-1.8608	0.008331
D17Wsu92e	chr17:27751231-27820558	29.3701	34.6859	0.2400	0.013428
Csrp1	chr1:135720060-135752232	51.2884	63.7704	0.3143	0.145611
Olf99	chr17:37279500-37280418	3.4660	6.4812	0.9030	0.024453
Midn	chr10:80148271-80158368	14.2000	11.0038	-0.3679	0.158110
Slc22a5	chr11:53864541-53891660	5.3216	7.2876	0.4536	0.013210
Ints2	chr11:86210680-86257575	8.0879	6.3965	-0.3385	0.237641
Rnft1	chr11:86484656-86499025	10.6476	13.4315	0.3351	0.043516
Fam228b	chr12:4746215-4769267	0.5315	0.1459	-1.8649	0.054992
Tubb2a	chr13:34074300-34078008	9.2210	6.2001	-0.5726	0.071602
Ssbp2	chr13:91460282-91703429	5.4811	4.2974	-0.3510	0.065330
Ndufs4	chr13:114287794-114388094	24.7734	33.4155	0.4317	0.116564

Asic3	chr5:24413450-24417834	2.8297	1.3895	-1.0261	0.101820
Pds5b	chr5:150673738-150810690	14.1161	11.7310	-0.2670	0.123920
Cic	chr7:25267703-25294159	9.0631	6.7288	-0.4297	0.264307
Upf1	chr8:70331521-70353273	39.0952	32.1334	-0.2829	0.203250
Tpm4	chr8:72134974-72153142	140.0997	162.3248	0.2124	0.019744
F2rl3	chr8:72761879-72763874	4.0064	6.2033	0.6307	0.008632
Csnk2a2	chr8:95446095-95488820	10.1987	8.0680	-0.3381	0.015281
Igsf9b	chr9:27299227-27334763	1.1732	0.5287	-1.1498	0.210631
Rpl3	chr15:80077780-80083406	56.4930	73.1462	0.3727	0.192513
Shisa8	chr15:82206951-82212815	0.9126	0.1334	-2.7745	0.185729
Celsr1	chr15:85898757-86033777	18.8597	14.6744	-0.3620	0.299487
Cgrrf1	chr14:46832133-46854193	1.5998	2.8532	0.8346	0.049774
Rpusd1	chr17:25727750-25731456	3.5502	5.6929	0.6812	0.040989
Glyr1	chr16:5013905-5049910	67.5876	59.0864	-0.1939	0.040771
Gm15725	chr16:37882541-37883631	41.4377	30.5343	-0.4405	0.211235
Prdm15	chr16:97791466-97851850	6.3909	5.0712	-0.3337	0.143608
Coro1b	chr19:4148618-4154035	82.6380	98.7770	0.2574	0.103819
Slc35g1	chr19:38395979-38405607	23.4705	18.4438	-0.3477	0.185156
Susd4	chr1:182763859-182896598	0.6148	0.0903	-2.7673	0.153113
Npc1	chr18:12189692-12236400	9.2530	7.7377	-0.2580	0.074715
Pmaip1	chr18:66458603-66465550	6.3919	9.1957	0.5247	0.088136
Ctdp1	chr18:80407958-80469695	23.3389	19.1038	-0.2889	0.130378
Lts3	chr2:130632838-130642803	1.1773	0.5469	-1.1060	0.118123
Sys1	chr2:164456963-164479638	8.8954	11.7129	0.3970	0.098606
Zzz3	chr3:152395472-152462826	21.9783	18.3735	-0.2584	0.167769
Gm13157	chr4:147753973-147809788	7.5138	10.7231	0.5131	0.122232
Z310040G07Rik	chr5:76928367-76947758	1.8044	0.4162	-2.1163	0.139327
Ceacam1	chr7:25461701-25477625	0.4609	0.0712	-2.6938	0.251310
Gm15551	chr3:126667328-126669032	5.5472	1.2047	-2.2031	0.359996
A630014C17Rik	chr11:52276054-52286179	3.3100	2.0737	-0.6746	0.016448
Gm21781	chr10:4391586-4396424	12.1492	9.3235	-0.3819	0.160344
Ddx21	chr10:62580247-62602298	101.6899	84.5138	-0.2669	0.282151
Aurkb	chr11:69045646-69051664	9.2014	12.3160	0.4206	0.084271
Z610507B11Rik	chr11:78261751-78290623	36.5675	32.3109	-0.1785	0.036696
Rps6kb1	chr11:86498870-86544805	16.6542	13.8849	-0.2624	0.110944
Bra1	chr11:101488763-101551955	5.8225	7.3578	0.3376	0.088087
Alkbh1	chr12:87425839-87443839	18.4178	15.1217	-0.2845	0.131724
Ptpn21	chr12:98676740-98737405	0.5815	1.0520	0.8552	0.030269
Ubr7	chr12:102757974-102777701	23.2063	28.7866	0.3109	0.069788
Gm16085	chr12:107129680-107132576	10.5910	5.2191	-1.0210	0.065934
Zfp874a	chr13:67424548-67451624	4.9321	6.6343	0.4277	0.078324
Gm8185	chr13:76935162-76935831	2.8750	0.8503	-1.7576	0.132264
Gm7120	chr13:119487940-119610458	0.7158	0.2638	-1.4402	0.038356
Abhd1	chr5:30950065-30955091	14.7729	10.7819	-0.4543	0.089885
Htt	chr5:34761739-34912534	15.0948	12.7656	-0.2418	0.192176
Rest	chr5:77265490-77286432	26.9393	23.2451	-0.2128	0.072076
Gcn1l1	chr5:115565253-115622656	13.5842	11.4763	-0.2433	0.148609
Psmc9	chr5:123228189-123250131	3.1931	4.6476	0.5415	0.106816
Ints1	chr5:139751281-139775678	20.4162	16.1934	-0.3343	0.243077
Ube2h	chr6:30211288-30304539	25.8018	21.1249	-0.2885	0.146545
Dnajb1	chr8:83608174-83611902	41.7278	34.2002	-0.2870	0.166268
Gm5741	chr8:85067567-85067982	6.4283	1.7684	-1.8620	0.065132
Bbs2	chr8:94067953-94098811	2.7081	4.3356	0.6790	0.082454
Dhodh	chr8:109591342-109608673	4.7214	3.6367	-0.3766	0.028164
Usp10	chr8:119910359-119957560	14.4901	11.9320	-0.2802	0.095326
Zc3h18	chr8:122376608-122417360	13.7570	11.5924	-0.2470	0.099051
Cwc15	chr9:14500616-14510577	78.1312	99.8770	0.3543	0.135475
Lrrc49	chr9:60568858-60688158	0.3976	0.8669	1.1245	0.121674
Msn	chrX:96096041-96168552	89.7891	76.9239	-0.2231	0.204682
Pdzd11	chrX:100622882-100626568	12.1696	16.0920	0.4031	0.033436
Iitm2a	chrX:107397098-107403376	106.3697	64.0578	-0.7316	0.170870
Gpm6b	chrX:166238910-166388988	13.9612	18.9414	0.4401	0.302694
Scrib	chr15:76047157-76069784	18.0748	14.9830	-0.2707	0.107314
Grap2	chr15:80623504-80650559	50.1604	43.4628	-0.2068	0.023332
Pphln1	chr15:93398349-93491913	14.7887	11.7571	-0.3310	0.146151
Tbim6	chr15:99392881-99410049	99.4167	114.4809	0.2035	0.021510
Spaca6	chr17:17830718-17843009	0.5315	0.9639	0.8589	0.071066
Vmn2r96	chr17:18581726-18598157	5.4910	3.3931	-0.6944	0.202563
Vmn2r97	chr17:18914321-18948071	1.7774	0.7132	-1.3173	0.094688
Rab11b	chr17:33742483-33760530	9.5807	7.8577	-0.2860	0.023339
H2-T23	chr17:36029772-36032855	94.0126	112.7898	0.2627	0.134952

4930404I05Rik	chr16:91011248-91016743	11.9041	8.9443	-0.4124	0.131589
Arrdc1	chr2:24925351-24935252	34.3457	42.1879	0.2967	0.088545
Cers6	chr2:68861440-69114282	5.7037	4.3376	-0.3950	0.141503
Arhgap1	chr2:91649859-91672326	39.5115	33.2106	-0.2506	0.150695
Napb	chr2:148693984-148732467	0.6333	0.2849	-1.1527	0.092967
Ss18l1	chr2:180042508-180070201	3.8536	2.7295	-0.4976	0.020640
Arhgef26	chr3:62338343-62462221	0.6737	0.2772	-1.2810	0.208138
Gba	chr3:89202927-89208681	39.4258	47.2643	0.2616	0.002986
Cks1b	chr3:89415471-89418383	9.5509	15.1513	0.6657	0.159249
Gm27008	chr3:106934381-107093894	1.7819	0.6749	-1.4007	0.062196
Slc35a1	chr4:34663256-34687438	10.0754	7.4947	-0.4269	0.010802
Gm6297	chr4:40720153-40722398	2.3652	1.1547	-1.0344	0.033954
Dcdc2b	chr4:129608330-129614257	11.4414	7.2524	-0.6577	0.222680
Ccnl2	chr4:155812488-155824543	70.5100	62.5638	-0.1725	0.023847
Mrpl23	chr7:142532798-142540747	0.5665	1.7266	1.6077	0.009056
Rab20	chr8:11453391-11478638	1.6255	4.4643	1.4576	0.054836
Cfap53	chr18:74283089-74359986	0.1091	0.5452	2.3207	0.037686
Chrn62	chr3:89753447-89764632	0.6497	1.6300	1.3270	0.102266
Gm20632	chr3:96239392-96241819	0.4406	1.3691	1.6356	0.081377
Themis2	chr4:132781842-132796387	0.6549	1.7675	1.4324	0.030288
Clip3	chr7:30291671-30308367	0.1283	0.5360	2.0624	0.046837
Areg	chr5:91139614-91148432	0.3471	1.4072	2.0195	0.089906
Gm13831	chr5:115263092-115263394	0.3536	3.2538	3.2018	0.251593
Padi4	chr4:140745864-140774236	0.0522	0.3581	2.7773	0.256556
4930552P12Rik	chr19:55640588-55702204	0.0258	0.3911	3.9240	0.329011
Gatsl3	chr11:4218224-4222409	12.5794	16.7472	0.4129	0.012822
Mdh1	chr11:21556786-21572367	59.2443	72.5768	0.2928	0.119659
Bola3	chr6:83349146-83360136	4.4982	6.9532	0.6283	0.198321
1700123M08Rik	chr4:11966564-11994280	0.4407	1.9729	2.1624	0.066243
Slc5a3	chr16:92058321-92087473	12.6263	10.3265	-0.2901	0.182306
Rab13	chr16:37539884-37572385	2.5157	1.7249	-0.5445	0.056634
Rpp40	chr13:35893471-35906359	2.2486	1.4640	-0.6191	0.184284
Slc44a2	chr9:21337827-21355025	105.2522	93.2512	-0.1747	0.031541
Cenpj	chr14:56526760-56571846	8.7841	6.7947	-0.3705	0.057130
Atp13a3	chr16:30312422-30388837	20.2491	17.1945	-0.2359	0.107177
4930594C11Rik	chr1:37487192-37488982	2.2013	1.0194	-1.1107	0.083541
Trove2	chr1:143750789-143777068	1.4392	2.1896	0.6054	0.105819
Rxra	chr2:27676439-27762957	6.8452	8.7508	0.3543	0.038145
Gm13543	chr2:37672207-37673003	1.5073	0.2968	-2.3443	0.193362
Pnck	chrX:73655993-73660117	0.1727	0.7470	2.1130	0.112295
Rfx7	chr9:72532239-72622937	8.2801	6.6773	-0.3104	0.104637
Yeats2	chr16:20141062-20232573	12.7347	10.7046	-0.2505	0.010216
Rasgef1b	chr5:99217425-99252927	0.5396	1.1736	1.1209	0.064879
Srcap	chr7:127512026-127536376	14.1086	10.7253	-0.3956	0.267831
Gm20490	chr2:173022502-173022956	73.8052	46.8168	-0.6567	0.203831
Txn1	chr4:57943372-57956411	73.5972	96.8021	0.3954	0.208674
Gm12961	chr4:111790620-111791670	2.3543	0.4636	-2.3444	0.263084
Ech1	chr7:28825216-28832247	23.4336	29.6241	0.3382	0.116085
Fastk	chr5:24438439-24445287	20.4801	16.9983	-0.2688	0.103752
Gm26165	chr2:144261588-144261726	26.3522	9.8011	-1.4269	0.087912
Sf3a1	chr11:4160349-4182541	23.6014	19.9033	-0.2455	0.145547
Egr3	chr14:70077444-70080157	2.1142	4.2597	1.0106	0.031411
Rps14	chr18:60774509-60778546	222.0902	289.2255	0.3810	0.287080
D330041H03Rik	chr17:24404648-24414542	15.8892	12.3859	-0.3593	0.168573
B430306N03Rik	chr17:48316140-48327024	1.2879	0.7823	-0.7193	0.037686
I830012O16Rik	chr19:34607969-34613401	2.2033	4.6215	1.0687	0.223782
Srp68	chr11:116245165-116274217	19.6083	15.6292	-0.3272	0.091927
Lztf1l	chr9:123694415-123717625	3.8029	4.9952	0.3934	0.139046
2810021J22Rik	chr11:58867215-58883288	7.8732	6.1009	-0.3679	0.038916
Eral1	chr11:78073375-78080383	17.0190	13.2877	-0.3571	0.070920
Gm22748	chr12:17546145-17546281	4.1785	15.5272	1.8937	0.018363
Lats2	chr14:57642076-57758388	14.4921	17.3350	0.2584	0.045907
Ipo9	chr1:135382311-135430499	16.4690	14.0099	-0.2333	0.109481
Zfp516	chr18:82910878-83005314	0.7975	0.4309	-0.8881	0.061615
Apom	chr17:35128996-35132050	0.4813	1.9865	2.0453	0.157892
Hoxb3os	chr11:96343071-96354691	0.0427	0.2562	2.5854	0.176190
Usp2	chr9:44067020-44095627	1.1951	0.5179	-1.2065	0.258878
Add1	chr5:34573663-34632308	65.8885	58.1559	-0.1801	0.069135
Tbc1d9	chr8:83165351-83272934	0.0561	0.2591	2.2083	0.037728
Mss51	chr14:20482863-20496901	4.6137	2.5989	-0.8280	0.190845
Pnn	chr12:59066918-59074017	43.5634	36.1279	-0.2700	0.185007

Hmgb1-ps5	chr3:95530417-95530974	0.7285	3.5710	2.2934	0.129313
Aprt	chr8:122574636-122576907	50.6821	71.4684	0.4958	0.178052
Zfp873	chr10:82058416-82061329	9.8706	7.0478	-0.4860	0.076900
Efcab11	chr12:99717530-99883442	2.8386	1.5110	-0.9097	0.057635
F2r	chr13:95601803-95618459	20.1152	25.5813	0.3468	0.170748
Nipal1	chr5:72647795-72671078	5.4371	7.9171	0.5421	0.144426
Pcyox1	chr6:86386005-86397150	2.2316	3.3844	0.6008	0.054804
Bcl7c	chr7:127663352-127708933	1.3038	2.1607	0.7288	0.091242
Mfrp	chr9:44101737-44109187	1.0996	0.4501	-1.2887	0.156109
Rad54l2	chr9:106688081-106789213	8.6211	7.1492	-0.2701	0.085348
Car5b	chrX:163976821-164027997	1.5076	2.3868	0.6628	0.177422
Esd	chr14:74732296-74750765	19.3889	24.9183	0.3620	0.126428
Rnpepl1	chr1:92910782-92924384	11.7008	9.3548	-0.3228	0.226684
Adipor1	chr1:134415377-134433351	21.1694	25.8940	0.2906	0.105109
Tmco1	chr1:167308669-167333978	6.3184	8.7258	0.4657	0.116304
Pfkfb3	chr2:11471429-11502101	10.4245	8.6917	-0.2623	0.044565
Cd302	chr2:60251992-60284488	0.8572	2.1500	1.3266	0.046252
Lgr4	chr2:109917646-110014257	0.2992	0.0417	-2.8419	0.151771
Ndufaf1	chr2:119655445-119662827	11.6680	16.4050	0.4916	0.099533
Ecm1	chr3:95734146-95739569	11.5292	8.5740	-0.4272	0.089495
Plekho1	chr3:95988428-95996001	5.2633	8.1726	0.6348	0.158991
Ago1	chr4:126435011-126468583	11.7200	9.6541	-0.2798	0.097934
Extl1	chr4:134356371-134383850	0.1728	0.4660	1.4310	0.008877
A830005F24Rik	chr13:48513569-48514859	0.4947	1.9485	1.9776	0.013415
Pim1	chr17:29490811-29495445	152.4123	182.7885	0.2622	0.160581
D130040H23Rik	chr8:69300775-69303162	9.9529	14.1811	0.5108	0.034622
Gm26528	chr10:22281453-22281736	12.0983	5.3540	-1.1761	0.077303
Mir1896	chr13:21445159-21445240	151.3837	100.1817	-0.5956	0.070416
Ggcx	chr6:72414307-72430712	6.9847	4.9679	-0.4915	0.143766
Leng8	chr7:4137038-4148173	33.3437	27.0673	-0.3009	0.308076
Ndufab1	chr7:122085402-122101886	4.1549	3.0315	-0.4548	0.129095
Gdpd3	chr7:126766413-126775643	3.2605	1.4463	-1.1727	0.041094
Gm17435	chr8:72492933-72505499	2.4206	1.4634	-0.7260	0.010771
Mon1b	chr8:113635585-113645178	10.5984	13.2964	0.3272	0.061639
Ccdc12	chr9:110656502-110711590	27.2100	36.6798	0.4309	0.066246
Lamp2	chrX:38401356-38456454	6.9328	8.6727	0.3230	0.082822
Suv420h1	chr19:3767420-3818303	19.7046	16.7764	-0.2321	0.165732
Thns1	chr2:21205723-21215009	2.1876	1.2712	-0.7831	0.113676
Scand1	chr2:156311846-156312704	50.6518	70.8952	0.4851	0.279258
Chd1l	chr3:97560741-97610203	27.0085	22.1967	-0.2831	0.109538
Wdr3	chr3:100138179-100162407	25.5168	21.4675	-0.2493	0.119439
Bspry	chr4:62480052-62497298	2.7790	4.4656	0.6843	0.069642
Cxcl16	chr11:70453982-70459984	0.2831	0.9052	1.6771	0.044169
Mcc	chr18:44425060-44812182	0.0913	0.3653	2.0001	0.022870
Abi1	chr2:22940072-23040241	49.9033	58.2796	0.2239	0.028231
NA	chr1:133131179-133131782	26.6629	17.4734	-0.6097	0.140213
Exoc3	chr13:74169804-74208700	24.3553	29.5430	0.2786	0.084611
Ube2d2a	chr18:35771558-35807172	21.6659	17.1678	-0.3357	0.101218
Pla2g4f	chr2:120299956-120314165	2.0271	3.5629	0.8136	0.198820
D230022J07Rik	chr2:73386969-73420498	0.7643	2.2172	1.5365	0.062926
Spc24	chr9:21755441-21760286	7.6002	12.2148	0.6845	0.101988
Sep15	chr3:144570303-144597680	54.9473	71.6758	0.3834	0.209092
Ccdc171	chr4:83525544-83864670	3.7867	5.2649	0.4754	0.101150
Gnptab	chr10:88379131-88447329	10.3936	8.6250	-0.2691	0.027595
Gpr132	chr12:112850875-112860916	37.7232	30.4588	-0.3086	0.216380
Ifng	chr10:118441046-118445892	6.2457	10.1865	0.7057	0.101133
Tbc1d23	chr16:57168865-57231466	12.2617	15.6655	0.3534	0.092408
Ogfr	chr2:180589244-180595836	42.2886	50.7290	0.2625	0.078696
Vps41	chr13:18717291-18866809	31.8428	38.3175	0.2670	0.040034
D8Erd738e	chr8:84246236-84249761	81.8646	105.5727	0.3669	0.125701
Inpp4a	chr1:37299864-37410736	8.4332	6.8298	-0.3042	0.096204
Spg11	chr2:122053519-122118386	13.2355	11.3784	-0.2181	0.015163
Tgs1	chr4:3574874-3616619	8.9855	6.8619	-0.3890	0.208162
Ptp4a2	chr4:129811218-129850003	105.2770	124.7369	0.2447	0.142354
Gm11906	chr4:24966516-25271099	2.6055	6.5861	1.3379	0.060499
Slc25a37	chr14:69241850-69285103	8.7841	6.8144	-0.3663	0.101433
Orai2	chr5:136147463-136170656	16.4750	20.7071	0.3299	0.132462
Prkx	chrX:77761410-77796278	12.3752	9.4811	-0.3843	0.291658
Mta1	chr12:113098277-113137206	24.1808	19.3156	-0.3241	0.146682
Sptbn1	chr11:30099394-30268175	36.9559	32.7387	-0.1748	0.087160
Fam196b	chr11:34314821-34422640	13.1690	9.4498	-0.4788	0.366397

Taf15	chr11:83473085-83506743	11.0695	8.3444	-0.4077	0.124419
Prkch	chr12:73584796-73778185	125.8210	144.6718	0.2014	0.055164
Naip5	chr13:100211738-100246323	2.0886	3.6054	0.7876	0.201775
Mvk	chr5:114444268-114460591	3.1465	4.8344	0.6196	0.085665
Gtf2i	chr5:134237833-134314760	20.7954	18.1290	-0.1980	0.017457
Rbm28	chr6:29123572-29165006	19.5949	16.0678	-0.2863	0.202600
Rny1	chr6:47788068-47788180	19.1832	52.5764	1.4546	0.460768
Arpc4	chr6:113378112-113390448	79.6176	96.2882	0.2743	0.129063
Pparg	chr6:115361220-115490401	0.5906	1.5229	1.3664	0.028438
Il4ra	chr7:125552281-125579472	63.0119	55.0106	-0.1959	0.109898
Gm16568	chr9:15330572-15335345	19.6062	14.8801	-0.3979	0.118818
Atm	chr9:53439148-53536740	33.5704	29.4105	-0.1909	0.066949
Gm20661	chr9:107983057-107995007	2.6127	4.6432	0.8296	0.076545
Srpk3	chrX:73774404-73778925	0.9620	1.8008	0.9045	0.008438
Rpl10a	chr17:28328470-28331032	32.7665	27.0398	-0.2771	0.104870
Mapk14	chr17:28691341-28748404	27.9323	23.9978	-0.2190	0.045756
Hnrnpm	chr17:33646232-33686860	72.3563	64.0701	-0.1755	0.059755
Mut	chr17:40934684-40961989	12.2767	9.7198	-0.3369	0.096877
Zfp318	chr17:46383730-46420920	5.8572	4.7452	-0.3037	0.054803
Gm26749	chr17:74575380-74617119	28.8531	23.4293	-0.3004	0.088761
Cpsf7	chr19:10525243-10547735	34.8667	29.0317	-0.2642	0.180070
Ak3	chr19:29020832-29047961	23.7556	29.0404	0.2898	0.063093
Slc18a2	chr19:59260877-59296012	4.3635	3.0043	-0.5385	0.116622
Ikake	chr1:131254342-131279606	38.3468	33.6293	-0.1894	0.104651
Surf2	chr2:26916366-26920183	19.2517	15.8949	-0.2764	0.061584
Sptan1	chr2:29965559-30031451	85.6078	75.1363	-0.1882	0.173854
Fam73b	chr2:30364232-30385521	4.4223	3.2953	-0.4244	0.149042
Gm22009	chr3:69085104-69085447	2459.2139	3094.0374	0.3313	0.329023
Ankrd6	chr4:32804034-32950841	2.4260	3.4759	0.5188	0.068995
Ubr4	chr4:139352608-139489588	28.6560	24.1909	-0.2444	0.265806
Rcc2	chr4:140700540-140723220	66.2465	57.6562	-0.2004	0.116255
B630019K06Rik	chrX:8892381-8894963	0.0993	0.5674	2.5139	0.179717
Gm11531	chr11:96392111-96392666	0.4301	1.8194	2.0809	0.000793
Adam12	chr7:133883198-134232146	0.0166	0.1498	3.1765	0.185569
Gm21596	chr2:113919246-113920562	0.2295	0.9781	2.0913	0.198406
Gm26824	chr10:39864858-39866332	3.0267	1.1014	-1.4584	0.078799
Natd1	chr11:60902245-60914750	2.6022	4.1945	0.6888	0.146978
Rps6ka5	chr12:100549777-100725028	3.2164	4.4626	0.4725	0.017290
Opa3	chr7:19228333-19256543	9.2367	6.8165	-0.4384	0.235866
Snx22	chr9:66065175-66069731	56.7184	68.8820	0.2803	0.156569
Trac	chr14:54220520-54223097	762.1845	894.3931	0.2308	0.106085
Itpr3	chr17:27057303-27122223	25.4948	21.4149	-0.2516	0.222376
Rgl2	chr17:33929542-33937687	27.4043	22.5070	-0.2840	0.218061
Ccnd3	chr17:47505050-47599691	19.8317	16.2108	-0.2908	0.261132
Eif3a	chr19:60761115-60790693	106.8446	91.9688	-0.2163	0.213368
Aff3	chr1:38177325-38664955	17.5724	14.6630	-0.2611	0.139099
Gm13456	chr2:40555751-40557116	41.4291	51.5784	0.3161	0.056338
Stk39	chr2:68210444-68472268	12.5924	15.5994	0.3089	0.087979
Plcb4	chr2:135659010-136014593	3.1991	4.1582	0.3783	0.043082
Pdzk1	chr3:96829283-96870926	1.6509	0.9365	-0.8180	0.020358
Orm2	chr4:63362448-63365878	10.1379	5.7392	-0.8208	0.113526
Gm26491	chr2:10475499-10475620	10.7467	1.7037	-2.6571	0.106736
4930451G09Rik	chr16:4968935-4978962	0.0705	0.4436	2.6530	0.149560
Ncln	chr10:81486248-81496392	35.2328	28.9561	-0.2831	0.210475
Zef1	chr11:72796225-72927120	17.0302	14.1337	-0.2690	0.279822
Klrb1b	chr6:128813705-128826331	1.5708	0.5415	-1.5366	0.121920
Cnot1	chr8:95719450-95807462	56.7750	49.5830	-0.1954	0.125996
Prickle3	chrX:7657259-7668186	5.4091	3.7153	-0.5419	0.264828
Tnfsf10	chr3:27317027-27342427	14.8769	18.1657	0.2881	0.072815
Msmg	chr4:43583215-43584494	14.5761	9.1094	-0.6782	0.095420
Gm24134	chr2:26912529-26912600	6.9172	30.2370	2.1281	0.021746
Kcnb1	chr2:167103377-167190155	0.1608	0.5999	1.8996	0.095916
Kmt2c	chr5:25271797-25498783	13.6977	11.0163	-0.3143	0.329849
Fhl3	chr4:124700700-124708611	4.6608	7.4640	0.6794	0.140740
Dctn3	chr4:41714797-41723170	27.7670	35.8493	0.3686	0.043131
Snappc1	chr12:73964529-73984820	13.9534	10.8795	-0.3590	0.028565
Cd38	chr5:43868808-43912375	5.7334	8.0052	0.4815	0.102984
Ccnd1	chr7:144929930-144939869	0.8620	1.5387	0.8360	0.056525
Ndufb9	chr15:58933809-58939489	82.4436	105.8147	0.3601	0.153642
Psmb1	chr17:15475720-15498276	127.9790	163.9959	0.3578	0.222089
Smtn	chr11:3517522-3540612	1.5244	0.8056	-0.9200	0.083582

Tnrc18	chr5:142750379-142817662	5.4070	3.9443	-0.4550	0.219149
Gm15708	chr5:144277060-144280513	8.6692	5.9526	-0.5424	0.111555
Spr	chr6:85133677-85137766	15.0525	20.3445	0.4346	0.057266
Rrm1	chr7:102441694-102469771	37.7034	44.1953	0.2292	0.036019
Snord68	chr8:123103037-123103123	39.5156	17.1751	-1.2021	0.045957
Pvrl1	chr9:43744575-43807454	0.7564	0.3282	-1.2046	0.130645
Gm26798	chr15:89211558-89215012	1.8629	0.9522	-0.9683	0.156718
Racgap1	chr15:99620495-99651656	9.1385	11.5553	0.3385	0.151155
Gm10101	chr14:46829108-46832027	4.5513	3.0686	-0.5687	0.065540
Rrp12	chr19:41862851-41896153	17.7774	14.2346	-0.3206	0.215126
Tbc1d8	chr1:39371498-39478747	5.8353	4.3722	-0.4165	0.114169
Gm17036	chr18:6213912-6227324	48.0750	29.7246	-0.6936	0.220872
Pdhx	chr2:103021074-103073513	4.0926	6.3109	0.6248	0.127617
Pdzk1ip1	chr4:115088707-115093899	2.0355	4.1124	1.0146	0.276346
Ndufb3	chr1:58586383-58595964	19.7922	32.6607	0.7226	0.141626
Pdcl	chr2:37350073-37359332	11.0991	14.5661	0.3922	0.161968
Mettl7a1	chr15:100304816-100314348	2.9328	4.8367	0.7217	0.060884
Tpx2	chr2:152847963-152895321	13.9752	18.0601	0.3699	0.231310
Mad2l2	chr4:148130383-148145699	5.8867	3.9533	-0.5744	0.164498
Apc-ps1	chr5:76196624-76197094	0.5767	2.4544	2.0895	0.154552
Map1s	chr8:70905973-70917526	12.6417	9.1602	-0.4647	0.240359
Lacc1	chr14:77024199-77036904	0.2836	0.7494	1.4020	0.053503
Zfp7	chr15:76879258-76892392	17.0516	13.5222	-0.3346	0.110691
5031439G07Rik	chr15:84943935-84988551	3.8390	2.9696	-0.3705	0.128811
Gadd45b	chr10:80930090-80932204	28.1124	38.6252	0.4583	0.161518
Cdr2	chr7:120957035-120982312	4.6306	2.9550	-0.6480	0.100883
Tmprss13	chr9:45319099-45347581	3.3889	4.9956	0.5598	0.133707
Acaa1a	chr9:119339675-119350299	12.8497	10.4998	-0.2914	0.068138
Gm8369	chr19:11492037-11512577	14.4723	20.8396	0.5260	0.127406
Slc2a4rg-ps	chr2:181384249-181387586	43.9438	37.3165	-0.2358	0.111080
5830411N06Rik	chr7:140247300-140299791	0.0539	0.4144	2.9420	0.240981
Ercc6	chr14:32513520-32580989	16.2274	14.0426	-0.2086	0.040485
Frs2	chr10:117070128-117148474	5.5759	4.3874	-0.3458	0.028067
Znrf3	chr11:5276323-5444847	4.2430	3.3183	-0.3546	0.052333
1810032O08Rik	chr11:116671659-116675799	7.6581	5.5753	-0.4579	0.094834
0610040F04Rik	chr6:108577038-108660934	0.4525	1.4560	1.6859	0.116819
Ndufaf5	chr2:140170648-140203689	11.6928	8.6306	-0.4381	0.076198
Pdzd7	chr19:45026905-45046614	0.0775	0.3264	2.0739	0.008507
Mx2	chr16:97536082-97560899	3.4297	6.5515	0.9337	0.181141
mt-Tq	chrM:3771-3842	31.2511	11.1883	-1.4819	0.013197
Eaf1	chr14:31495078-31509858	20.3398	17.2204	-0.2402	0.047762
Nrip1	chr16:76287399-76373827	31.3388	27.4665	-0.1903	0.106617
Mat2b	chr11:40679313-40695203	23.5650	28.5615	0.2774	0.099880
Slc26a10	chr10:127172425-127180645	4.7584	2.9900	-0.6703	0.081051
Mad1l1	chr5:140008688-140321552	13.8416	11.2852	-0.2946	0.026757
Taf5	chr19:47067747-47083479	8.9700	12.0441	0.4251	0.115934
Pnlsr	chr4:21847582-21876475	40.3274	35.4041	-0.1878	0.105698
Lgals12	chr19:7596659-7607193	0.0386	0.3436	3.1541	0.184231
NA	chr6:136608858-136610870	17.8641	13.2244	-0.4339	0.265795
Ube2t	chr1:134962564-134974162	2.5206	4.5937	0.8659	0.074422
Zfp710	chr7:80024813-80092751	7.8267	5.7898	-0.4349	0.224566
Pold4	chr19:4231898-4233631	37.8512	47.6414	0.3319	0.029072
Gm14097	chr2:132694431-132698523	3.0677	0.6447	-2.2505	0.038389
Gpn1	chr5:31494740-31512903	5.9643	4.7410	-0.3312	0.111801
Gm26606	chr4:123898632-123904842	0.4565	0.0922	-2.3069	0.006723
Rdh1	chr10:127759720-127768297	0.0599	0.3283	2.4554	0.034639
Clbn12	chr5:5505014-5514958	0.9240	2.1387	1.2108	0.084992
Gm26692	chr5:107659096-107688015	5.9839	3.4109	-0.8109	0.070771
Abhd4	chr14:54254128-54269169	5.6125	7.8255	0.4795	0.069503
Med10	chr13:69809881-69816094	26.2695	39.9795	0.6059	0.226673
Cd200r4	chr16:44811732-44839150	1.8787	3.2199	0.7773	0.021987
Gm10571	chr4:129855070-129856710	2.5653	1.2187	-1.0738	0.052467
Gm22513	chr12:54696781-54696945	12.3517	32.7241	1.4056	0.325118
Klrk1	chr6:129610322-129623864	0.4174	1.0649	1.3512	0.079225
Ogdh	chr11:6291632-6356642	39.3287	34.5804	-0.1856	0.054105
Mbtps2	chrX:157535370-157598715	3.0761	2.4103	-0.3519	0.041933
Ndufc1	chr3:51404676-51408988	5.7036	8.8760	0.6380	0.095581
Slc25a20	chr9:108662097-108684641	20.0458	25.6036	0.3530	0.056728
NA	chr9:108648839-108650953	0.2425	1.0576	2.1246	0.087574
Eif1	chr11:100319884-100322096	13.2071	17.7382	0.4255	0.204055
Nomo1	chr7:46033697-46084212	13.6328	11.2317	-0.2795	0.157348

Arid5a	chr1:36307732-36324029	18.5076	15.7046	-0.2369	0.155358
Gtf2b	chr3:142765225-142783603	34.9773	45.7660	0.3879	0.170556
St14	chr9:31089401-31131853	1.9150	3.0294	0.6617	0.081632
Gm6787	chrX:8097086-8106701	0.8801	0.1147	-2.9394	0.109313
Dennd4b	chr3:90265184-90280669	22.3166	18.1801	-0.2958	0.274186
Rapgef4os1	chr2:72097602-72148796	1.9952	0.2559	-2.9632	0.113642
Fam174a	chr1:95313627-95335284	5.9104	9.0703	0.6179	0.137783
2410004P03Rik	chr12:17004957-17011727	0.1545	0.8055	2.3823	0.094902
Mir686	chr14:54616676-54616785	60.7709	93.0480	0.6146	0.024639
Tmem183a	chr1:134346096-134361999	19.8550	24.1581	0.2830	0.026983
Slc4a7	chr14:14703024-14799943	27.8788	33.5223	0.2660	0.142820
Gm25360	chr1:72226239-72226430	43.9791	77.2238	0.8122	0.360808
Pwwp2a	chr11:43681997-43721491	10.0567	7.7467	-0.3765	0.266673
Golm1	chr13:59634995-59675784	13.6485	17.1450	0.3290	0.086674
Zfp827	chr8:79028436-79193766	5.2110	4.0662	-0.3579	0.184913
Zfp707	chr15:75969122-75975868	7.2757	5.5092	-0.4012	0.030946
Copz1	chr15:103272910-103299862	36.7329	29.4387	-0.3194	0.158354
Sugt1	chr14:79587690-79629755	30.7969	38.2234	0.3117	0.076858
Ppard	chr17:28232753-28301469	1.8391	1.0763	-0.7729	0.186450
Yif1a	chr19:5088537-5092879	11.9171	17.3650	0.5431	0.109562
Cd52	chr4:134082447-134095082	476.1910	579.6526	0.2836	0.236140
Ginm1	chr10:7767946-7792800	12.0787	16.1309	0.4174	0.064127
Scarna13	chr12:105031074-105031349	489.9987	607.2616	0.3095	0.228602
Crot	chr5:8966032-8997324	11.9076	14.9207	0.3254	0.109164
Abhd10	chr16:45729724-45742955	4.1777	5.6475	0.4349	0.010754
4932438A13Rik	chr3:36863105-37053033	20.5687	17.6205	-0.2232	0.231567
Rd3	chr1:19197372-191988282	0.0401	0.2508	2.6437	0.072065
Ccdc43	chr11:102684685-102697782	11.3897	8.9123	-0.3539	0.082193
Inf2	chr12:112588783-112615556	3.5225	4.9469	0.4899	0.130616
Cd37	chr7:45233631-45239115	32.7150	38.5204	0.2357	0.037228
Pdk3	chrX:93764606-93832201	15.3488	19.5357	0.3480	0.077645
Myo9a	chr9:59750895-59928866	12.9696	10.6699	-0.2816	0.251935
Gm11769	chr11:120150561-120152341	1.9745	3.4536	0.8066	0.006386
Fam192a	chr8:94574942-94601726	30.3281	37.1779	0.2938	0.037295
Nrbp2	chr15:76085594-76090013	3.1605	5.4224	0.7787	0.241099
Rac2	chr15:78559168-78572783	201.9406	241.5843	0.2586	0.230294
Lactb2	chr1:13624844-13660546	13.0984	10.5396	-0.3136	0.046841
5033417F24Rik	chr1:92908379-92910764	4.1271	2.4741	-0.7382	0.027227
Pcna	chr2:132249161-132253314	55.3040	64.6873	0.2261	0.022111
Zmynd11	chr13:9684835-9765321	22.7354	19.6833	-0.2080	0.100811
Gm16984	chr13:34963981-34990452	3.7117	6.2441	0.7504	0.007176
Zfp513	chr5:31198980-31202303	14.7139	10.6614	-0.4648	0.247165
Kdm7a	chr6:39136622-39206789	21.5914	18.9641	-0.1872	0.060664
Dhdh	chr7:45472955-45488805	0.7416	1.4834	1.0003	0.162137
Styx	chr14:45351472-45373585	3.7996	1.2636	-1.5883	0.113351
Akap11	chr14:78492245-78536860	22.9222	19.5822	-0.2272	0.160876
Rps6ka2	chr17:7170114-7303313	0.9774	0.5058	-0.9503	0.108089
Nsl1	chr1:191063011-191084558	2.7058	3.8750	0.5181	0.001559
Tmem132a	chr19:10857821-10869940	0.1684	0.6019	1.8378	0.151429
Ift52	chr2:163017353-163046141	16.6349	13.6092	-0.2896	0.039953
Dyrk2	chr10:118859348-118868903	20.4592	16.5251	-0.3081	0.048090
Pex13	chr11:23646478-23665959	4.1737	5.9318	0.5071	0.140688
Gm26587	chr13:67660456-67661445	4.2713	2.2984	-0.8941	0.003921
Sumf2	chr5:129846989-129864050	6.2815	4.4836	-0.4865	0.085446
Scaf1	chr7:45002947-45016363	7.8375	6.1896	-0.3406	0.222658
Anapc15	chr7:101881324-101901845	3.7962	5.2513	0.4681	0.080148
Fcho1	chr8:71708386-71725716	43.3178	35.9405	-0.2694	0.263775
Sqle	chr15:59315076-59331192	8.7134	6.8051	-0.3566	0.196972
Bcdin3d	chr15:99470083-99474730	5.6764	9.8104	0.7893	0.135171
A730061H03Rik	chr14:55559941-55560406	5.5494	10.7381	0.9523	0.132765
Gart	chr16:91621185-91646952	47.6085	39.2015	-0.2803	0.282284
Zmat2	chr18:36793922-36799660	25.2814	34.1526	0.4339	0.262557
Cebp	chr2:167688914-167690418	6.3233	9.9751	0.6577	0.227288
1700113A16Rik	chr3:88171559-88177785	4.1874	7.0610	0.7538	0.011242
Zfp69	chr4:120930136-120951699	0.9757	4.0600	2.0570	0.013071
Rorc	chr3:94372793-94398276	2.0873	3.5219	0.7547	0.126792
G430095P16Rik	chr8:84723006-84726844	7.5546	12.1364	0.6839	0.036299
Cmpk2	chr12:26469203-26479835	8.3769	11.2848	0.4299	0.127530
Gm16267	chr12:33111961-33138945	10.5717	6.6861	-0.6610	0.014608
Hist1h2bl	chr13:21715762-21716143	38.9258	59.3734	0.6091	0.288754
Rreb1	chr13:3778399-37952002	1.8256	1.3644	-0.4201	0.107179

Gm15975	chr5:55624187-55625593	1.2154	0.3961	-1.6177	0.146690
Oas1a	chr5:120896255-120907521	12.0853	19.0055	0.6532	0.297237
NA	chr7:130834436-130834523	52.3840	20.3844	-1.3617	0.159827
NA	chr8:85432685-85433315	5.7975	2.4176	-1.2619	0.083706
Tbrg1	chr9:37649181-37657312	36.3800	42.2768	0.2167	0.006738
Plscr1	chr9:92250056-92271975	8.4423	11.8200	0.4855	0.056882
Stt3b	chr9:115242606-115310421	37.5392	32.7393	-0.1974	0.059000
Arhgef9	chrX:95048934-95196821	0.6205	0.3008	-1.0448	0.190343
Cox7b	chrX:106015699-106022450	59.0796	79.7917	0.4336	0.222568
Bin2	chr15:100641076-100669553	166.2721	148.1547	-0.1664	0.087591
Dynlt1a	chr17:6310546-6317474	5.0572	2.1200	-1.2543	0.143983
B230354K17Rik	chr17:45433851-45442544	7.8276	6.0583	-0.3697	0.144510
Dlk2	chr17:46297420-46303271	0.5246	0.0887	-2.5649	0.199168
Synj1	chr16:90936091-91011308	7.4423	5.8760	-0.3409	0.212675
Il10rb	chr16:91406163-91425834	17.5260	21.2217	0.2760	0.048173
Rce1	chr19:4622550-4625617	13.8250	19.6771	0.5092	0.181185
Ikzf2	chr1:69531213-69685960	131.1603	155.7165	0.2476	0.185448
Kdm5b	chr1:134560170-134632877	22.2001	19.5428	-0.1839	0.014237
Gm26781	chr1:136259406-136274406	3.4587	1.7797	-0.9586	0.035881
Gm9929	chr1:170868644-170881721	8.9860	6.1970	-0.5361	0.101122
Paip2	chr18:35598616-35617186	48.4182	62.0957	0.3589	0.228780
Egfl7	chr2:26580013-26593120	0.9538	0.3831	-1.3160	0.281644
Med27	chr2:29346818-29524793	4.2855	6.1486	0.5208	0.086084
Ifih1	chr2:62595797-62646255	13.3224	16.2588	0.2874	0.142675
Ampd1	chr3:103074013-103099714	1.9222	1.0279	-0.9031	0.132251
B230217C12Rik	chr11:97841292-97844099	0.0765	0.5304	2.7937	0.170001
Gm24644	chr2:104040668-104040807	0.9218	6.6071	2.8415	0.138580
Slc6a20b	chr9:123593819-123632565	1.2452	0.6933	-0.8448	0.190985
Shmt2	chr10:127517122-127522444	47.1495	38.2583	-0.3015	0.264343
Samd9l	chr6:3372259-3399571	128.6782	156.6396	0.2837	0.257249
Xpnpep3	chr15:81400137-81456807	3.8420	2.9506	-0.3809	0.025383
Ep300	chr15:81586213-81652077	14.6948	11.5592	-0.3463	0.353970
Epha3	chr16:63543537-63864158	0.2772	0.0712	-1.9607	0.096211
C030017K20Rik	chr4:155451569-155466530	0.8371	0.1975	-2.0837	0.350262
Kcnp4	chr5:48389501-49524904	0.6830	0.1941	-1.8153	0.156670
Prr14l	chr5:32789217-32854256	17.3324	14.9640	-0.2120	0.134410
Alg8	chr7:97371605-97392153	5.8460	4.2256	-0.4683	0.027348
1110008P14Rik	chr2:32377096-32381938	8.7148	11.3987	0.3873	0.064907
Strbp	chr2:37569867-37703859	5.7866	4.9569	-0.2233	0.062498
Calcl	chr2:84330625-84425411	11.6081	14.7529	0.3459	0.166832
Atpif1	chr4:132530554-132533659	25.1416	32.3844	0.3652	0.129900
Gm15893	chr11:88356290-88363947	4.6203	2.1161	-1.1266	0.288522
Akr1c12	chr13:4268171-4279433	4.7086	2.5634	-0.8773	0.167917
6030443J06Rik	chr5:22550436-22807850	0.6811	0.3630	-0.9078	0.060964
Gramd1b	chr9:40293232-40531383	19.3143	16.3034	-0.2445	0.235214
Igf2r	chr17:12682405-12769664	52.3352	46.2549	-0.1782	0.117614
Setdb1	chr3:95323524-95357202	19.7864	17.1835	-0.2035	0.046021
Il7r	chr15:9506160-9529876	56.2322	67.8243	0.2704	0.155678
Mul1	chr4:138434670-138442265	4.2221	5.6490	0.4200	0.021060
Gm24111	chr13:48537824-48537921	12.4031	32.6745	1.3975	0.344249
Itga7	chr10:128933812-128958277	1.5661	2.6625	0.7656	0.262315
Rwdd3	chr3:121155399-121171695	1.3293	0.7658	-0.7956	0.106315
Rbm38	chr2:173020497-173034734	44.1070	35.4542	-0.3150	0.305766
Rbbp6	chr7:122965685-123002557	24.0025	20.9684	-0.1950	0.106041
Tarbp2	chr15:102518191-102523676	4.6416	3.5283	-0.3956	0.016714
Myl12b	chr17:70973919-70990787	101.1105	121.5454	0.2656	0.167661
Arhgap19	chr19:41766587-41802084	4.6456	6.3215	0.4444	0.152923
Gcat	chr15:79030873-79043558	2.3470	3.5460	0.5954	0.104893
6530409C15Rik	chr6:28215554-28260862	7.4848	5.3056	-0.4965	0.099377
Tpk1	chr6:43345000-43666278	1.4189	2.4441	0.7846	0.150164
Tob1	chr11:94211453-94215495	9.2160	6.9179	-0.4138	0.058124
Slc20a2	chr8:22476699-22569607	4.2726	3.0920	-0.4666	0.023524
Kat6b	chr14:21481433-21672478	3.4222	2.7659	-0.3072	0.161504
Snx4	chr16:33251455-33299562	50.9968	61.6483	0.2737	0.127738
Zfp273	chr13:67813739-67827002	1.6303	2.8816	0.8217	0.174273
Sbf1	chr15:89288235-89315311	69.3688	58.6102	-0.2431	0.291024
Dync1h1	chr12:110601451-110666945	59.4762	51.9336	-0.1956	0.233953
Tmem263	chr10:85102626-85117747	9.4054	12.1153	0.3653	0.132378
Atp13a1	chr8:69791162-69807749	41.7743	35.8737	-0.2197	0.148213
Kmt2b	chr7:30568857-30588726	12.6962	9.8970	-0.3593	0.336753
Pif1	chr9:65587159-65595967	2.4328	3.5988	0.5649	0.147549

Foxo1	chr3:52268336-52350109	20.9169	17.6111	-0.2482	0.183440
Mex3d	chr10:80380354-80387659	1.7659	2.8466	0.6889	0.050806
Anapc13	chr9:102626295-102634241	19.0440	30.2414	0.6672	0.153462
Nphp1	chr2:127740731-127788897	0.0553	0.4474	3.0164	0.177888
Lingo4	chr3:94398516-94404501	0.5755	0.1408	-2.0308	0.215524
Smyd2	chr1:189880491-189922363	11.5594	9.0453	-0.3538	0.093184
Snora44	chr4:132309940-132310069	24.0290	46.4940	0.9523	0.167188
Gm5391	chrX:68319637-68320250	6.8736	3.5469	-0.9545	0.055416
A330023F24Rik	chr1:194976374-195037908	1.8956	2.6448	0.4805	0.203913
Phtf1os	chr3:103964535-103968581	17.1403	14.0694	-0.2848	0.138170
Sec63	chr10:42761495-42832514	11.6676	9.9634	-0.2278	0.072722
NA	chr9:106883984-106887000	31.1073	25.8209	-0.2687	0.192015
Tcf20	chr15:82808628-82912134	86.2093	75.9262	-0.1832	0.187830
Spats2l	chr1:57774161-57948394	0.4004	0.1208	-1.7286	0.182321
Med8	chr4:118409336-118415782	22.2843	27.0781	0.2811	0.078688
Nup88	chr11:70943057-70969973	12.9033	15.6872	0.2818	0.118805
Begain	chr12:109032186-109068217	1.3229	0.6430	-1.0407	0.107184
Pdcl3	chr1:38987813-38997236	15.6610	20.0560	0.3569	0.038206
Zfp365	chr10:67886102-67912662	1.2557	1.9964	0.6689	0.050619
Naip6	chr13:100281120-100317674	1.5509	2.4612	0.6662	0.228990
Nudt13	chr14:20294689-20317575	2.1235	3.4140	0.6851	0.031638
4631405J19Rik	chr2:93027955-93044732	0.3189	0.7712	1.2738	0.168316
Accs	chr2:93833466-93849943	3.2566	4.3463	0.4164	0.166754
Nat10	chr2:103721255-103761270	14.0933	11.8870	-0.2456	0.132122
Efh2	chr4:141858141-141874920	20.3989	26.5372	0.3795	0.241855
Fam222b	chr11:78094659-78156700	2.3448	3.4534	0.5585	0.061080
Gm24191	chr5:106669998-106670121	17.9133	4.6861	-1.9346	0.167352
Arl8b	chr6:108783058-108823723	30.7664	38.4100	0.3201	0.187968
A930001C03Rik	chr19:4439002-4448332	0.8902	0.2030	-2.1327	0.129741
Lekr1	chr3:65666227-65831159	0.3535	0.0752	-2.2325	0.134739
Gm26722	chr4:129309080-129318443	23.6267	31.2099	0.4016	0.134068
Pax6	chr2:105668895-105698410	0.0167	0.0838	2.3229	0.078289
Ikbb	chr8:22659211-22706589	14.1632	12.3138	-0.2019	0.163220
Gm16315	chr10:81301700-81302917	1.5359	0.3626	-2.0827	0.151561
Baz2a	chr10:128092782-128129303	25.8095	21.1686	-0.2860	0.337104
Spdl1	chr11:34809189-34833641	3.6253	5.5284	0.6087	0.135696
Tspan13	chr12:36014556-36042500	53.3882	64.7336	0.2780	0.182344
Ripk1	chr13:34002362-34035170	24.6012	21.5925	-0.1882	0.024284
Tacc3	chr5:33658127-33678995	13.7446	17.2997	0.3319	0.145070
Guf1	chr5:69556923-69575972	9.3133	11.3076	0.2799	0.107061
Gm20499	chr5:114809035-114823460	16.7645	10.4139	-0.6869	0.039594
Polr2j	chr5:136116630-136122947	38.9349	50.5992	0.3781	0.202547
Xrcc1	chr7:24547149-24573438	14.9605	18.7905	0.3288	0.043042
2200002D01Rik	chr7:29246560-29248432	4.4694	7.0618	0.6600	0.097155
Slco3a1	chr7:74275418-74554780	4.9967	4.0730	-0.2949	0.045568
Pdf	chr8:107044697-107048614	22.3473	17.3894	-0.3619	0.169954
Dpagt1	chr9:44326844-44333600	5.3376	7.6290	0.5153	0.032683
Myo1e	chr9:70207349-70400067	18.6956	23.1582	0.3088	0.163909
Cx3cr1	chr9:119901615-120068283	0.4198	0.9344	1.1545	0.250476
Chm	chrX:113040594-113185517	10.2303	13.3374	0.3826	0.243115
Ppp1r16a	chr15:76671614-76694919	3.8560	5.5681	0.5301	0.193999
Tnrc6b	chr15:80711318-80941086	19.6299	16.7756	-0.2267	0.260749
Gm20680	chr15:100586095-100592037	5.7713	2.8737	-1.0060	0.140592
Naa60	chr16:3872374-3904770	25.7620	21.6756	-0.2492	0.167577
Ercc5	chr1:44147846-44181260	12.2760	10.1852	-0.2694	0.055465
Neb1	chr2:17343908-17731464	0.6412	0.9900	0.6268	0.162100
Gar1	chr3:129824911-129831396	7.2992	4.8843	-0.5796	0.079623
Zcchc7	chr4:44755876-44932215	17.5191	15.2692	-0.1983	0.070099
Tmco4	chr4:138972887-139059171	15.5047	19.0854	0.2998	0.093769
Dnajc11	chr4:151933690-151982137	8.7407	7.3534	-0.2493	0.160895
Gm17590	chr5:3473070-3473178	18.1713	39.3237	1.1137	0.084973
Amot1	chr9:14541965-14615483	0.0774	0.2420	1.6438	0.089756
Gm8034	chr19:6044690-6044822	9.3788	1.8810	-2.3179	0.103062
Trbj1-2	chr6:41534000-41534048	226.4594	147.2789	-0.6207	0.071319
Fiz1	chr7:5007056-5014697	12.6079	10.0591	-0.3258	0.061337
Ar	chrX:98149720-98323215	0.7421	1.2440	0.7452	0.144429
Dscam	chr16:96592078-97170752	0.9640	1.5344	0.6706	0.140989
Uqcc3	chr19:8880015-8880933	22.1178	32.8862	0.5723	0.212309
Gm13565	chr2:62436879-62441142	0.3147	1.7773	2.4978	0.288731
Ncoa2	chr1:13139104-13374083	17.3631	15.1867	-0.1932	0.143439
Piwil2	chr14:70372479-70429094	0.2290	0.5564	1.2809	0.054096

March9	chr10:127055010-127060184	3.8732	2.6798	-0.5314	0.017535
Isoc2a	chr7:4877052-4895717	8.4586	12.3502	0.5460	0.062164
Traj12	chr14:54206552-54206610	221.5473	151.1878	-0.5513	0.100756
1700019D03Rik	chr1:52922323-52963260	1.7079	2.6313	0.6235	0.113213
Zfp282	chr6:47877203-47908485	4.8201	6.2282	0.3698	0.186667
Tmem143	chr7:45896940-45917413	1.7300	2.7249	0.6554	0.127415
Gm26617	chrX:94793102-94798237	2.3452	1.5210	-0.6247	0.152085
Hspa9	chr18:34937413-34954357	86.8581	72.0326	-0.2700	0.337858
Ddx50	chr10:62616022-62651218	31.3343	38.2317	0.2870	0.113344
Klk8	chr7:43797576-43803822	11.7691	17.5169	0.5737	0.198289
Coa4	chr7:100537099-100540369	9.5856	6.8531	-0.4841	0.026043
Cmb1	chr15:31568790-31590119	3.2857	1.2940	-1.3444	0.051921
Gnl3	chr14:31012433-31019089	66.4978	53.9031	-0.3029	0.315103
Phyhd1	chr2:30266202-30301080	3.1247	4.6541	0.5748	0.146820
Pde2a	chr7:101421690-101512829	16.9510	21.9800	0.3748	0.236928
Fam129c	chr8:71597647-71607936	2.9333	1.9334	-0.6014	0.089140
Vmac	chr17:56713931-56717699	6.0979	4.3162	-0.4985	0.037420
NA	chr1:133619870-133661380	39.3660	33.8507	-0.2178	0.172220
Haus2	chr2:120609382-120621560	6.5483	9.5330	0.5418	0.205875
Gm9143	chrX:103037623-103038368	2.3605	0.6672	-1.8228	0.268327
Gm15897	chr16:11494820-11496306	0.8509	0.1691	-2.3311	0.242942
Gskip	chr12:105685351-105703047	9.3011	11.8393	0.3481	0.024214
2610507I01Rik	chr11:59199835-59202385	6.2483	3.8576	-0.6958	0.089964
Kif5c	chr2:49619297-49774778	3.5985	4.9023	0.4461	0.187491
Podnl1	chr8:84125988-84132527	20.8085	27.4865	0.4016	0.250464
Arf1	chr11:59211411-59228270	60.8181	75.4651	0.3113	0.228121
Sulf2	chr2:166073088-166155663	1.6065	0.8737	-0.8788	0.321749
Gm7099	chr12:9429545-9430099	2.0374	0.3330	-2.6129	0.207895
Pxn	chr5:115506675-115555987	8.6798	10.5571	0.2825	0.128613
Ap1s1	chr5:137034992-137046135	9.6822	12.9955	0.4246	0.109372
Fkrp	chr7:16809269-16816732	14.6071	11.4996	-0.3451	0.139881
Sympk	chr7:19024376-19054618	22.3464	18.5636	-0.2676	0.276244
Mtcp1	chrX:75410443-75416588	10.5804	8.7329	-0.2769	0.043991
Pfdn5	chr15:102326115-102331873	90.7232	113.6007	0.3244	0.249737
Gm10552	chr1:85604084-85611896	1.2503	0.1858	-2.7501	0.143712
Raf1	chr6:115618066-115676635	39.0009	45.5922	0.2253	0.122400
Dusp18	chr11:3895239-3901296	0.3083	0.0633	-2.2841	0.032143
Rhbdd3	chr11:5098925-5106093	3.8245	2.4396	-0.6486	0.129314
Zrsr1	chr11:22972004-22976496	11.0365	8.8883	-0.3123	0.178737
Kat2a	chr11:100704745-100712465	16.9815	14.1617	-0.2620	0.080352
Gm11670	chr11:108939309-108942015	2.7205	6.0599	1.1554	0.060555
Tmed2	chr5:124540694-124550506	8.7092	11.8569	0.4451	0.103561
Fam221a	chr6:49367738-49389905	0.3939	1.0924	1.4717	0.015882
ltfg2	chr6:128409443-128424931	4.2748	3.0710	-0.4772	0.201636
Slc1a5	chr7:16781345-16798274	86.4607	75.3646	-0.1982	0.225103
Usp19	chr9:108490675-108502333	39.0735	33.2173	-0.2343	0.246305
Diap2	chrX:129749741-130465834	4.0235	3.0216	-0.4131	0.272222
Bora	chr14:99046426-99074537	8.4414	11.0606	0.3899	0.057791
Cebpz	chr17:78919005-78937070	39.5683	33.5309	-0.2389	0.221854
Pi4ka	chr16:17280350-17406314	20.0619	17.6226	-0.1870	0.128766
Gm10785	chr16:91688910-91715642	4.8291	3.0799	-0.6489	0.049168
Ubac1	chr2:25998542-26021747	16.3742	13.2272	-0.3079	0.085792
Gm13546	chr2:58164000-58177063	5.5275	3.1793	-0.7979	0.168098
Pum1	chr4:130663320-130781564	26.3967	23.1527	-0.1892	0.070590
Rnu11	chr4:132270079-132270213	56.2849	96.8595	0.7831	0.414196
Ncmap	chr4:135369575-135398227	12.2022	17.4926	0.5196	0.263551
Spsb2	chr6:124808660-124810619	0.9780	2.5860	1.4028	0.093790
Scrn2	chr11:97029937-97033958	8.0325	5.4343	-0.5638	0.149423
Ftsj3	chr11:106249141-106256079	52.0354	44.6786	-0.2199	0.197749
Cdc14b	chr13:64192544-64274973	2.7536	3.6772	0.4173	0.041999
Hexb	chr13:97176331-97198357	36.0216	44.5974	0.3081	0.131929
NA	chr8:71674956-71676674	0.5648	1.3840	1.2930	0.076082
Acin1	chr14:54642160-54686931	43.0966	38.3272	-0.1692	0.106993
Gm18828	chr1:36764862-36765874	7.9872	4.4376	-0.8479	0.295718
BC003331	chr1:150361304-150393080	11.0648	14.2575	0.3657	0.169012
Ufc1	chr1:171288562-171295024	19.4193	26.2204	0.4332	0.188974
Gm13622	chr2:69737356-69737789	5.2093	1.8994	-1.4556	0.220645
Zc3hc1	chr6:30366379-30391028	8.8193	6.6704	-0.4029	0.306896
ltga9	chr9:118606689-118901003	1.6258	1.1557	-0.4924	0.012010
Rgs3	chr4:62559846-62703018	14.6683	12.2761	-0.2569	0.274311
Rpa1	chr11:75298165-75348324	42.7934	49.7216	0.2165	0.075148

Pcd1lg2	chr19:29410918-29471157	14.1600	18.1544	0.3585	0.017831
Marc2	chr1:184813067-184846451	11.8913	14.3445	0.2706	0.082809
Psm8	chr7:29174187-29180701	94.6691	117.4308	0.3108	0.252743
Dennd4a	chr9:64811339-64919667	10.6870	13.3625	0.3223	0.207673
Cpne5	chr17:29156549-29237797	0.1127	0.2438	1.1131	0.021613
Inpp5k	chr11:75630987-75648871	17.0199	20.1316	0.2422	0.057092
Ciart	chr3:95878502-95882251	3.2605	1.8785	-0.7956	0.168110
Zfp451	chr1:33760471-33814595	6.4605	5.5035	-0.2313	0.161748
Ppp1r15a	chr7:45522915-45526268	6.8896	9.4825	0.4608	0.248750
4933407K13Rik	chrX:75706931-75764699	1.6972	1.1480	-0.5640	0.064868
Slu7	chr11:43433743-43447981	29.3476	34.6990	0.2417	0.075676
Supt4a	chr11:87737551-87743623	44.7738	56.5609	0.3372	0.100044
Stk17b	chr1:53755505-53785224	208.1108	243.1999	0.2248	0.175363
D930015E06Rik	chr3:83898286-84040161	30.2188	26.2376	-0.2038	0.133443
Psme2b	chr11:48945353-48946190	29.8814	23.0851	-0.3723	0.076907
Slc35e4	chr11:3907020-3914664	1.0371	1.9886	0.9392	0.063742
C530050E15Rik	chr13:24631917-24638567	10.9705	8.2527	-0.4107	0.289302
Snrnp35	chr5:124483133-124491124	3.0147	5.0495	0.7441	0.052219
Neil3	chr8:53586866-53639065	5.0156	3.6792	-0.4470	0.155717
Elof1	chr9:22112988-22117148	26.7925	33.9729	0.3426	0.043637
Snape4	chr2:26362764-26380653	12.0098	9.7613	-0.2991	0.273752
Rps28	chr17:33819026-33824562	38.9991	49.9061	0.3558	0.208076
Tagln2	chr1:172500046-172507380	43.5094	52.0022	0.2572	0.099711
Gm9774	chr3:92428065-92429423	0.4469	1.6936	1.9220	0.086063
Mir5104	chr10:7836380-7836474	28.5216	10.9077	-1.3867	0.251793
NA	chr10:63024314-63058813	0.8069	0.3211	-1.3294	0.009426
Gm4799	chr10:82954343-82955000	1.1969	3.3585	1.4885	0.064087
Sycp3	chr10:88459568-88473236	1.4833	0.3688	-2.0078	0.147114
Elk3	chr10:93247413-93311135	26.6565	23.1924	-0.2008	0.065154
A730071L15Rik	chr11:6200028-6201643	5.8619	3.4968	-0.7453	0.129815
Kctd11	chr11:69878264-69880985	2.0733	1.1317	-0.8734	0.194584
Camta2	chr11:70669462-70688105	4.9615	3.5754	-0.4727	0.279117
Ssh2	chr11:77216286-77460220	19.1157	17.1842	-0.1537	0.033467
Ccl4	chr11:83662583-83664683	1.2167	3.3115	1.4445	0.186776
Brip1	chr11:86058137-86201193	3.8439	5.0952	0.4065	0.163117
Trim25	chr11:88999375-89020293	15.2569	12.9615	-0.2352	0.132454
Kpnb1	chr11:97159713-97187881	79.9371	70.2158	-0.1871	0.210216
Timm9	chr12:71123172-71136675	18.6498	13.0055	-0.5200	0.212151
Cdca4	chr12:112820236-112829389	30.6490	36.5362	0.2535	0.069044
Eef1e1	chr13:38645697-38659028	33.3716	25.7079	-0.3764	0.117055
Nol7	chr13:43398375-43402858	49.9209	60.0727	0.2671	0.112811
Atraid	chr5:31048311-31054633	10.1873	13.8550	0.4436	0.158866
Lap3	chr5:45493373-45512674	14.9467	11.6130	-0.3641	0.240048
Gatc	chr5:115333241-115341178	12.1679	9.2023	-0.4030	0.064166
Rab35	chr5:115631928-115647736	33.6997	39.4670	0.2279	0.013146
Klhdc10	chr6:30401867-30455179	6.4916	5.2080	-0.3178	0.240445
Gimap9	chr6:48676128-48679114	114.7713	134.1270	0.2248	0.104549
Gm26826	chr6:122813625-122820614	4.3340	2.5841	-0.7460	0.075768
Atn1	chr6:124739188-124756524	14.0199	17.5950	0.3277	0.237247
Acrbp	chr6:125049688-125063267	4.4852	3.2771	-0.4527	0.017169
Far2	chr6:148047258-148182758	5.6846	7.5357	0.4067	0.205016
Eps811	chr7:4460673-4479404	12.3174	6.9981	-0.8157	0.184709
Ube2m	chr7:13035119-13038275	33.5241	40.5516	0.2746	0.118593
Exosc5	chr7:25659152-25668031	23.8970	31.2330	0.3862	0.133198
Trim34b	chr7:104300229-104336909	4.2302	6.2871	0.5716	0.160029
Tpp1	chr7:105744846-105752207	10.1930	7.9280	-0.3625	0.217707
Gprc5b	chr7:118972039-118995211	1.2907	0.5515	-1.2267	0.089968
D430042O09Rik	chr7:125707914-125874793	4.5186	5.8242	0.3662	0.118726
Itgam	chr7:128062639-128128160	1.9570	2.7853	0.5092	0.089426
Gm7389	chr8:3994627-3997505	2.4036	1.3714	-0.8095	0.145439
Cln3	chr8:60910388-60983300	9.3194	8.1094	-0.2006	0.142329
4931428F04Rik	chr8:105280409-105289528	0.8600	0.2814	-1.6116	0.129647
Gm17296	chr8:126426651-126475065	8.8859	7.1021	-0.3233	0.120084
Panx1	chr9:15005160-15045478	25.6279	30.8297	0.2666	0.119911
Gm20603	chr9:21028306-21032357	7.0854	9.0745	0.3570	0.044727
Mthfs1	chr9:88688604-88719798	4.9589	8.1779	0.7217	0.042705
Slc9a9	chr9:94669908-95230445	17.4131	15.0636	-0.2091	0.064384
Gm26767	chr9:97068182-97073429	2.9819	2.1375	-0.4803	0.019138
Rab6b	chr9:103112073-103185270	5.7265	7.6053	0.4094	0.164547
Golph3	chr15:12321495-12351265	74.7706	86.2508	0.2061	0.053510
Ank	chr15:27466676-27594909	7.3367	9.5433	0.3793	0.094314

Ddx23	chr15:98645133-98662889	28.3829	25.2732	-0.1674	0.003638
Dph3	chr14:32080565-32085692	6.9629	10.2513	0.5581	0.276992
Ppp1r3e	chr14:54872668-54877550	1.5205	0.7412	-1.0366	0.098875
Emc9	chr14:55581515-55585302	30.3387	36.0648	0.2494	0.053166
Chmp7	chr14:69716978-69732570	23.4323	19.9658	-0.2310	0.015987
Tpm3-rs7	chr14:113314607-113316713	3.9696	5.9318	0.5795	0.119715
H2-T22	chr17:36037127-36042747	35.8676	41.5615	0.2126	0.024545
B3gnt5	chr16:19760207-19772753	5.5979	7.0739	0.3376	0.046047
Taf6l	chr19:8774353-8786417	6.6761	5.2592	-0.3442	0.143309
Zbtb37	chr1:161008793-161034849	14.1805	11.9945	-0.2415	0.052642
Mib1	chr18:10725547-10818704	14.4089	12.6740	-0.1851	0.035230
Cxxc1	chr18:74216130-74221491	38.3471	31.9153	-0.2649	0.250403
Brd3	chr2:27445578-27507662	5.4957	4.3453	-0.3388	0.134755
Tfpi	chr2:84432854-84476775	0.4920	0.8741	0.8292	0.026781
Gm13807	chr2:93403546-93417830	6.1535	9.4882	0.6247	0.106252
Ckap2l	chr2:129268209-129297212	5.9599	8.0773	0.4386	0.155112
Plagl2	chr2:153227758-153241426	9.5128	7.6856	-0.3077	0.148023
Ythdf1	chr2:180904376-180920949	23.3332	19.5764	-0.2533	0.157592
Lime1	chr2:181380077-181383628	84.5861	98.7278	0.2230	0.114263
Mccc1	chr3:35959311-36000678	1.7493	1.2873	-0.4424	0.105613
Hdgf	chr3:87906320-87916132	66.0861	56.1011	-0.2363	0.270889
Gdap2	chr3:100162380-100206981	7.0340	8.8782	0.3359	0.002337
Gpsm2	chr3:108678637-108722187	7.8945	9.8674	0.3218	0.014672
Extl2	chr3:116007461-116029016	1.8444	2.7587	0.5808	0.008669
Usp45	chr4:21767155-21837872	11.4606	13.8637	0.2746	0.101941
Ufl1	chr4:25248599-25281821	6.5508	8.4220	0.3625	0.123727
Pnrc1	chr4:33245422-33290163	95.8238	112.5550	0.2322	0.140095
Hdac1	chr4:129516103-129542713	9.2821	7.3199	-0.3426	0.113145
Wasf2	chr4:133130504-133199756	17.4638	14.4614	-0.2722	0.247548
Gm22973	chr12:59040334-59040525	6.6539	17.5294	1.3975	0.037255
Hgfac	chr5:35041552-35048436	1.3884	3.1214	1.1688	0.063893
Gm24888	chr7:109521279-109521409	3.1209	13.9626	2.1615	0.142070
Gm23232	chr9:114602087-114602192	16.4447	3.4727	-2.2435	0.176886
Traj5	chr14:54213776-54213838	5.4512	21.5645	1.9840	0.083343
Unc13b	chr4:43058952-43264871	0.0862	0.2351	1.4475	0.172861
Gm25541	chr2:27539804-27539930	3.0177	11.2377	1.8968	0.106042
Ttll10	chr4:156034839-156059344	0.0527	0.2927	2.4726	0.063773
Ttc28	chr5:110879802-111289780	2.1600	1.5258	-0.5014	0.339465
Dtnb	chr12:3572380-3781796	7.2212	8.6932	0.2677	0.062780
Lsp1	chr7:142460808-142494867	105.5259	120.9400	0.1967	0.117260
Wdr44	chrX:23693050-23806025	5.3069	4.0453	-0.3916	0.318653
Ttc23	chr7:67647409-67726576	0.1327	0.3717	1.4861	0.131676
Bin3	chr14:70100144-70138191	26.4404	32.5440	0.2996	0.052717
Ass1	chr2:31470206-31520672	20.1410	25.3196	0.3301	0.146525
Dzip1	chr14:118875519-118925314	8.6905	6.9091	-0.3309	0.130933
Ttc19	chr11:62281472-62328451	8.8940	6.7587	-0.3961	0.324022
Cenpa	chr5:30666776-30674827	15.4726	19.5765	0.3394	0.166890
Ece2	chr16:20611592-20646485	2.0549	1.3395	-0.6174	0.148972
Klf8	chrX:153237465-153396132	0.8688	1.4944	0.7824	0.118108
Pitrm1	chr13:6548156-6580139	39.1350	32.5169	-0.2673	0.272638
Ngfrap1	chrX:136270252-136271978	22.6743	29.5680	0.3830	0.074681
Adat1	chr8:111966907-111992302	3.1766	2.0645	-0.6217	0.280732
Ccr8	chr9:120092132-120094906	33.5408	44.0931	0.3946	0.211859
5730455P16Rik	chr11:80360491-80378034	4.9766	6.4731	0.3793	0.092489
Rnf126	chr10:79758514-79766952	19.8054	15.1297	-0.3885	0.175605
Sh3bp5l	chr11:58330723-58347728	5.7063	4.5398	-0.3299	0.103975
Rnf187	chr11:58932287-58938916	58.2242	70.1471	0.2688	0.188595
Bcas3os1	chr11:85702199-85719744	1.1396	0.6083	-0.9057	0.017431
Rsad1	chr11:94539797-94549255	3.0746	2.0759	-0.5667	0.201742
Sumo2	chr11:115523101-115536276	5.7242	3.8307	-0.5795	0.063457
Dld	chr12:31331563-31351437	36.4747	30.3365	-0.2658	0.181374
Ercc6l2	chr13:63815239-63900302	8.5068	10.6413	0.3230	0.170635
Gm16120	chr5:140207384-140210751	18.0615	12.4377	-0.5382	0.215323
Trbj1-4	chr6:41534810-41534861	104.9478	177.8241	0.7608	0.128238
B230319C09Rik	chr6:83441754-83448322	6.0076	4.0432	-0.5713	0.152212
Gm20650	chr7:126891621-126897236	7.4130	16.3319	1.1396	0.119320
Cnep1r1	chr8:88118768-88135110	6.6828	9.6292	0.5270	0.197746
Sucla2	chr14:73525318-73596142	14.7378	18.7526	0.3476	0.198884
Angptl4	chr17:33773749-33781575	2.5008	1.4769	-0.7598	0.086580
Crybg3	chr16:59490774-59555752	4.2658	5.4149	0.3441	0.067441
Syvn1	chr19:6046575-6053712	8.8061	6.7402	-0.3857	0.298789

Ahnak	chr19:8989283-9076919	107.8906	127.3186	0.2389	0.247292
Tmem216	chr19:10533864-10556238	8.1652	5.6698	-0.5262	0.189048
Malt1	chr18:65430962-65478823	46.8208	55.9930	0.2581	0.242812
Snrpb2	chr2:143063038-143072853	16.4592	22.1973	0.4315	0.271600
Trp53inp2	chr3:155381058-155389850	0.4897	0.9614	0.9732	0.193814
Ostc	chr3:130695920-130709444	67.7991	83.9219	0.3078	0.176485
Papss1	chr3:131564767-131643670	14.1003	17.3554	0.2997	0.029740
Tshz2	chr2:169633012-170071816	0.3045	0.7831	1.3626	0.208268
Fggy	chr4:95557506-95926939	0.2258	0.6185	1.4539	0.081259
Taco1os	chr11:106065076-106066305	0.2654	1.5641	2.5593	0.166523
Foxn3	chr12:99194979-99450111	28.3698	23.8548	-0.2501	0.248392
Strn4	chr7:16815888-16840931	15.1917	12.9540	-0.2299	0.173101
Zfp592	chr7:80993680-81045164	17.9311	15.6007	-0.2009	0.111800
Brd7	chr8:88331038-88362194	21.8390	18.9095	-0.2078	0.110517
Vwa5a	chr9:38718267-38743337	14.3814	17.7013	0.2996	0.144636
Trmt2b	chrX:134222338-134276984	10.1910	12.7485	0.3230	0.170385
Fopnl	chr16:14299243-14317375	22.7306	28.5663	0.3297	0.075688
Haus1	chr18:77757566-77767780	13.8438	20.2809	0.5509	0.137375
Foxj3	chr4:119537003-119629119	8.1972	6.7965	-0.2703	0.226503
Stx12	chr4:132853500-132884509	9.7604	12.3962	0.3449	0.102611
Gm5422	chr10:31248139-31251045	0.2857	0.8488	1.5711	0.063605
Map1a	chr2:121289599-121310832	0.0400	0.1419	1.8253	0.141644
Mrpl5a	chr10:81264712-81266934	37.4081	47.5266	0.3454	0.126575
Ddx56	chr11:6258918-6267772	32.6703	27.8748	-0.2290	0.123546
Plek	chr11:16971205-17052381	5.3568	6.9373	0.3730	0.118971
Cep68	chr11:20227036-20249429	11.1401	9.4405	-0.2388	0.047023
Nudcd2	chr11:40733666-40740046	19.0166	15.2294	-0.3204	0.144872
Gm12254	chr11:58508790-58509261	4.9834	9.7413	0.9670	0.126746
Phf23	chr11:69995776-70000009	21.1694	25.6908	0.2793	0.138077
Gm11201	chr11:79023596-79031057	3.8411	7.1052	0.8874	0.099836
Aoc2	chr11:101325062-101329702	5.5036	3.7883	-0.5388	0.154184
Tmc8	chr11:117782075-117793110	34.2107	27.9379	-0.2922	0.284436
Hgs	chr11:120467634-120483984	20.2038	16.4972	-0.2924	0.204040
Rfng	chr11:120780745-120784207	4.8986	3.2321	-0.5999	0.267400
Klf11	chr12:24651370-24662774	3.0312	4.5250	0.5780	0.160821
Ppp2r5e	chr12:75450882-75596200	7.6953	5.9358	-0.3745	0.265137
Lman2	chr13:55343832-55362783	41.1317	47.8465	0.2182	0.119852
Cmya5	chr13:93040712-93144724	2.1133	1.5636	-0.4347	0.151244
Smim14	chr5:65446843-65537184	6.6911	8.3971	0.3277	0.135887
Zfp664	chr5:124862690-124902693	10.4242	8.3729	-0.3161	0.236707
Ufsp1	chr5:137294668-137295664	4.7470	2.5340	-0.9056	0.182502
BC037034	chr5:138259657-138264046	27.4973	22.6001	-0.2830	0.276173
Ahcy12	chr6:29768010-29912310	18.6912	16.1999	-0.2064	0.193393
Cul1	chr6:47453397-47526139	35.6925	43.1270	0.2730	0.173323
Prokr1	chr6:87578592-87590701	0.5730	0.1862	-1.6218	0.097397
Zfp422	chr6:116624015-116628999	4.3235	6.2038	0.5210	0.197558
Inafm1	chr7:16272013-16273692	9.1658	6.1258	-0.5814	0.199889
Spcs2	chr7:99837568-99858883	44.5084	51.8320	0.2198	0.048292
Slc5a2	chr7:128265656-128272430	3.9735	2.6283	-0.5963	0.221627
Rgs10	chr7:128373620-128418758	84.2795	103.6262	0.2981	0.252555
Trpm5	chr7:143069152-143094642	0.5174	0.2338	-1.1463	0.094738
Gm26804	chr8:20292476-20420781	2.4508	0.8874	-1.4656	0.295381
D8Ertd82e	chr8:36094827-36147787	3.8344	2.7305	-0.4898	0.377655
Asah1	chr8:41340196-41374773	11.5468	14.0871	0.2869	0.010301
Gins3	chr8:95633558-95645059	4.8625	6.9228	0.5097	0.103069
Tcf12	chr9:71844251-72111819	42.5109	37.9796	-0.1626	0.029416
Myo6	chr9:80165030-80311729	3.9929	3.1046	-0.3631	0.219108
Ube2cbp	chr9:86307233-86464950	2.1043	3.6457	0.7929	0.146677
Vprbp	chr9:106821873-106883318	24.7222	21.4912	-0.2021	0.206380
G6pdx	chrX:74409482-74429194	13.4086	16.5711	0.3055	0.079114
Tbl1x	chrX:77511012-77662983	22.5035	19.6219	-0.1977	0.143334
Ebag9	chr15:44619640-44641024	11.9891	15.5911	0.3790	0.023326
Serhl	chr15:83089505-83116674	5.1859	6.4964	0.3250	0.093913
Prickle1	chr15:93499113-93595891	2.8234	1.7379	-0.7001	0.109449
Arid2	chr15:96287517-96404992	13.1417	11.3260	-0.2145	0.187335
Taf11	chr17:27901121-27909242	10.6742	7.6019	-0.4897	0.275324
Cenpq	chr17:40923050-40935047	10.5667	13.6650	0.3710	0.082917
Ralbp1	chr17:65848432-65885755	32.5103	37.3335	0.1996	0.008918
Calm2	chr17:87433411-87446935	79.5379	94.1779	0.2437	0.105588
2510002D24Rik	chr16:18836577-18840158	28.5343	23.1125	-0.3040	0.121062
Timmdc1	chr16:38498346-38522663	11.4216	14.9123	0.3847	0.045234

Ubxn1	chr19:8871558-8875663	96.1230	114.6725	0.2546	0.121957
Casp7	chr19:56397128-56442344	20.0396	24.6724	0.3000	0.097329
Cacul1	chr19:60524695-60581023	12.6736	15.1708	0.2595	0.076977
Gm16152	chr1:38384948-38393974	2.5271	1.0429	-1.2769	0.252393
Agfg1	chr1:82839482-82896275	119.6083	137.4062	0.2001	0.092239
Tomm40l	chr1:171217801-171222514	7.9526	10.0994	0.3448	0.049580
Capn2	chr1:182467255-182517495	57.2614	66.2922	0.2113	0.093006
Stom	chr2:35313985-35336976	2.9610	4.3868	0.5671	0.076373
Gm14085	chr2:122484940-122528040	17.5143	14.6392	-0.2587	0.233680
Acss1	chr2:150618104-150668500	12.0051	9.7929	-0.2938	0.175842
Supt20	chr3:54693104-54716837	56.7209	48.7449	-0.2186	0.149373
Ssr2	chr3:88579670-88588397	60.6566	71.9411	0.2462	0.027993
Dram2	chr3:106547692-106574845	14.9063	12.0692	-0.3046	0.114870
Cyb5rl	chr4:107066987-107088268	1.2968	1.9035	0.5537	0.120471
Sfn	chr4:133600555-133602168	17.0482	12.6530	-0.4301	0.214337
2610307P16Rik	chr13:28460033-28885620	0.6573	0.1787	-1.8786	0.198877
Gm26592	chr9:21034289-21037782	0.7591	1.6762	1.1429	0.035056
Gm14853	chrX:105844464-105845013	2.0992	0.5229	-2.0052	0.115638
Gm12504	chr4:44121892-44124123	0.2814	0.7728	1.4578	0.020587
Atp4a	chr7:30712208-30725535	0.4278	0.1027	-2.0589	0.325241
Mir3061	chr11:52126745-52126836	1.8773	11.6460	2.6331	0.324671
Pip5k1c	chr10:81292962-81319973	18.0804	14.6558	-0.3030	0.293643
Pnpla8	chr12:44221369-44312343	11.2450	14.0005	0.3162	0.156945
Gm7964	chr7:83755903-83757356	11.3771	8.0942	-0.4912	0.186194
Lpin2	chr17:71182559-71249817	7.5441	8.8654	0.2328	0.053479
Pdk1	chr2:71873223-71903858	30.3378	25.9176	-0.2272	0.290459
Gm16008	chr4:156022007-156031643	76.7090	93.4617	0.2850	0.208557
Pick1	chr15:79229172-79256674	3.1257	4.1918	0.4234	0.142296
Sfrp2	chr3:83766320-83774316	2.2626	1.1269	-1.0056	0.245172
Atp6v1c2	chr12:17284720-17329359	0.4937	0.1059	-2.2204	0.084317
Ndufa2	chr18:36742331-36744557	44.5634	62.6459	0.4914	0.248289
Gm15427	chr1:95498583-95499187	4.1989	8.6378	1.0407	0.190659
1700001O22Rik	chr2:30794768-30803661	0.1174	0.5013	2.0946	0.096717
Lonrf3	chrX:36328352-36362341	0.1282	0.4351	1.7627	0.134716
Abracl	chr10:18011262-18023252	118.3215	149.6084	0.3385	0.282166
ErbB3	chr10:128567522-128589652	4.6940	6.7783	0.5301	0.305705
Sfln8	chr11:83002157-83020810	44.5547	52.9981	0.2504	0.185063
4930470G03Rik	chr13:21440470-21445934	21.3786	26.9969	0.3366	0.199168
Aff1	chr5:103692373-103855322	10.6066	9.1325	-0.2159	0.121349
Rfc2	chr5:134582689-134598328	39.7277	47.2321	0.2496	0.019636
Ap2s1	chr7:16738409-16749294	49.6108	62.9234	0.3429	0.213395
Sirt2	chr7:28766734-28788665	17.2007	14.0243	-0.2945	0.209987
Hnrnp1	chr7:28808540-28822266	77.4643	68.7315	-0.1726	0.197819
4931406P16Rik	chr7:34236706-34313551	12.1516	10.0532	-0.2735	0.247379
Gm1720	chrX:166662024-166689812	1.8152	0.4737	-1.9381	0.246263
Gm17546	chr15:95824458-95830072	2.7200	0.7896	-1.7844	0.167268
Irf9	chr14:55603570-55610030	43.7634	51.9391	0.2471	0.193758
Plekhm3	chr1:64785982-64956824	2.0161	1.4850	-0.4411	0.196137
Dcaf17	chr2:71055327-71099142	6.9602	5.8635	-0.2474	0.090639
Cnbd2	chr2:156312298-156375638	2.8780	4.2700	0.5692	0.183760
Cpt2	chr4:107903980-107923610	3.7538	6.1748	0.7180	0.141157
Gm15937	chr15:5208912-5210147	0.2940	1.3147	2.1607	0.138304
Gm11832	chr4:11611138-11615007	0.6256	2.6575	2.0867	0.186151
Esrp2	chr8:106130318-106136974	2.1409	3.2124	0.5854	0.232134
Gpr62	chr9:106463972-106465940	0.0760	0.4984	2.7123	0.169423
Wnk1	chr6:119923968-120038672	29.0242	23.9807	-0.2754	0.415308
AA414768	chrX:12936871-12938128	0.8907	2.3895	1.4236	0.035777
Gm10250	chr15:5120601-5121172	9.7955	5.5233	-0.8266	0.121641
Prkd3	chr17:78949404-79020816	8.6871	7.1594	-0.2790	0.259892
Mrpl21	chr19:3282900-3292837	14.1934	18.4666	0.3797	0.149233
Cep350	chr1:155844965-155972890	21.3240	18.6945	-0.1899	0.194243
Fam69b	chr2:26628456-26636497	4.3906	3.0740	-0.5143	0.041424
Ccnb1	chr13:100778649-100786570	1.6991	2.7111	0.6741	0.159936
Alg13	chrX:144317811-144374450	2.6807	1.8405	-0.5425	0.250139
Alg10b	chr15:90224310-90230554	17.5875	14.5804	-0.2705	0.204722
Gm17111	chr12:110664891-110665408	19.7442	12.5298	-0.6561	0.130596
Ifnar1	chr16:91485237-91507441	54.8913	49.5195	-0.1486	0.043226
Arfgef2	chr2:166805587-166898052	11.2455	9.3447	-0.2671	0.279393
Zdhhc18	chr4:133605298-133650154	42.0786	35.1272	-0.2605	0.326455
Zkscan8	chr13:21513221-21531120	11.3187	9.3281	-0.2791	0.264846
Crmp1	chr5:37242079-37292132	2.1159	3.4236	0.6942	0.182370

Ccdc126	chr6:49319273-49341582	5.5476	3.8569	-0.5244	0.093192
Reep1	chr6:71707560-71810710	1.9178	1.1578	-0.7281	0.171043
Gm26811	chr6:89304629-89327621	0.6913	0.3155	-1.1317	0.179777
Zfp82	chr7:30054488-30072900	2.8468	2.1763	-0.3875	0.008617
Rpl39	chrX:37082519-37085402	97.3342	125.3979	0.3655	0.319729
Amer1	chrX:95420317-95444872	6.8872	5.5227	-0.3185	0.241444
Rgcc	chr14:79288755-79301645	15.1976	10.9089	-0.4783	0.093355
Rnaset2a	chr17:8128609-8148097	1.5260	3.3832	1.1486	0.065381
Psmb8	chr17:34197720-34201454	127.0025	146.8236	0.2092	0.131199
H2-M3	chr17:37270219-37274484	36.9544	45.2927	0.2935	0.116758
Usmg5	chr19:47083470-47090625	1.6088	5.3988	1.7467	0.168383
Adck2	chr6:39573872-39596595	7.0124	9.4116	0.4245	0.168707
Aasdhppt	chr9:4294792-4309494	11.3319	8.9658	-0.3379	0.158136
Gm26850	chr3:63963632-63968659	4.2094	6.0720	0.5286	0.171509
Snord99	chr4:132310690-132310764	43.2140	18.6641	-1.2112	0.224053
Gm5909	chr8:80110805-80112086	0.1714	0.7906	2.2056	0.090434
Pycr1	chr11:120635711-120643769	0.0489	0.2537	2.3742	0.016202
Spock2	chr10:60106218-60135198	9.9615	13.7421	0.4642	0.408920
Atp6v0d1	chr8:10524464-105566047	20.6583	25.7636	0.3186	0.103730
Gm23880	chr15:81586132-81586186	23.6579	4.5601	-2.3752	0.174915
Wscd2	chr5:113490332-113589725	0.3633	0.5779	0.6697	0.019021
Ccdc57	chr11:120826528-120932872	0.8869	0.4201	-1.0782	0.087129
Tyro3	chr2:119797732-119818104	4.1408	2.8012	-0.5639	0.402156
3110009E18Rik	chr1:120121186-120188189	2.9634	1.8159	-0.7066	0.039212
Rnf13	chr3:57736065-57835233	14.4524	18.0138	0.3178	0.083509
Mios	chr6:8209221-8236274	10.0768	8.5662	-0.2343	0.064024
Hmgcl	chr4:135946447-135962617	6.2633	8.6844	0.4715	0.134444
AV099323	chr2:132253356-132261333	2.6532	1.0240	-1.3735	0.170939
Pex12	chr11:83294641-83302586	4.7900	3.5523	-0.4313	0.130064
Dhps	chr8:85071756-85075162	19.8966	15.6033	-0.3507	0.275269
Gm26564	chr10:34295911-34298907	6.0219	7.9828	0.4067	0.058176
Adam1a	chr5:121518575-121521695	2.8095	1.7445	-0.6875	0.184402
Akr1b3	chr6:34303933-34317497	9.1303	7.4337	-0.2966	0.083461
Rprd2	chr3:95759872-95818953	10.2061	8.3985	-0.2812	0.285190
Dennd2d	chr3:106482404-106503030	65.6667	58.4199	-0.1687	0.146244
Gars	chr6:55038000-55079504	74.2578	63.6154	-0.2232	0.262831
Ecd	chr14:20319858-20348121	34.4172	30.2825	-0.1846	0.013287
1700025G04Rik	chr1:151884523-152090320	2.2149	1.6389	-0.4345	0.170246
Gm9750	chr19:9135156-9279175	0.0954	0.5158	2.4351	0.163778
C730034F03Rik	chr15:89429588-89430868	7.6961	5.3423	-0.5267	0.020176
Zfp688	chr7:127418966-127422068	6.8013	9.2129	0.4378	0.136865
Grik5	chr7:25009852-25072369	3.4562	5.1317	0.5702	0.269990
Trpm6	chr19:18749982-18892510	0.1665	0.4184	1.3290	0.068323
Kidins220	chr12:24974931-25059697	42.0460	37.0576	-0.1822	0.208474
Ccdc34	chr2:110017816-110173360	1.3808	1.9850	0.5237	0.100120
Gm996	chr2:25575415-25580099	0.1770	0.4980	1.4927	0.036416
Elk4	chr1:132007606-132032612	39.7977	34.5398	-0.2044	0.222547
Cmah	chr13:24327419-24477285	16.2012	13.9658	-0.2142	0.215142
Trp53	chr11:69580358-69591873	14.9930	12.3573	-0.2789	0.187630
Gm14508	chr5:116009315-116016105	1.7186	3.6423	1.0836	0.267186
Med25	chr7:44879390-44892397	16.2874	12.0040	-0.4402	0.363103
Mia3	chr1:183326724-183369529	39.5102	35.3638	-0.1600	0.078524
Gm24636	chr4:133171426-133171714	8.7497	2.5614	-1.7723	0.341326
Gm17711	chr10:18011267-18011505	133.2002	178.5721	0.4229	0.244486
Myb	chr10:21124929-21160984	55.8987	44.3319	-0.3345	0.392014
Gm15200	chr10:42698035-42698518	18.9174	27.9638	0.5638	0.094417
Pwp2	chr10:78170909-78185149	24.0958	19.5822	-0.2992	0.310572
Prorsd1	chr11:29511756-29515033	5.9166	7.8612	0.4100	0.000223
Med9	chr11:59948205-59962205	4.3125	6.1696	0.5167	0.054158
Pigw	chr11:84876314-84880285	5.2006	3.4144	-0.6070	0.210824
Lrrc59	chr11:94629766-94645216	32.3509	27.8541	-0.2159	0.116994
B130006D01Rik	chr11:95723586-95726710	2.4340	1.5329	-0.6671	0.132943
D030028A08Rik	chr11:96916269-96965060	5.2730	4.2651	-0.3061	0.072243
Prpsap1	chr11:116470844-116494202	16.0049	13.2187	-0.2759	0.191409
Aspscr1	chr11:120672972-120709447	13.4225	11.1554	-0.2669	0.200376
Atad2b	chr12:4917403-5044047	20.3266	17.2455	-0.2371	0.223894
Ralgapa1	chr12:55602928-55821167	23.3184	20.7511	-0.1683	0.064103
Arf6	chr12:69372149-69375979	139.6344	158.3246	0.1812	0.088578
Wdr25	chr12:108894271-109028452	2.2419	1.4978	-0.5819	0.159582
Klc1	chr12:111758848-111807844	20.5787	17.1289	-0.2647	0.218936
Crip1	chr12:113152011-113153877	276.5344	335.7452	0.2799	0.259671

Sp4	chr12:118234932-118301440	31.0121	27.7118	-0.1623	0.022598
Zfp493	chr13:67779753-67792512	2.1760	1.4988	-0.5379	0.040793
Gm6421	chr13:117358211-117358622	6.5395	12.4330	0.9269	0.217373
4833420G17Rik	chr13:119462758-119486117	54.8783	47.5094	-0.2080	0.196659
Slc35f6	chr5:30647932-30659731	7.3584	9.2655	0.3325	0.026056
Abcg3	chr5:104935056-104982718	17.7122	14.1099	-0.3280	0.256572
Lamtor4	chr5:138255607-138259398	27.4400	37.5422	0.4522	0.271994
BC037034	chr5:138259655-138264046	25.5807	21.2260	-0.2692	0.284919
1110001J03Rik	chr6:38533501-38539449	4.3308	7.8977	0.8668	0.089627
Tmem176b	chr6:48833810-48841374	3.3514	1.9673	-0.7686	0.177537
Dctn1	chr6:83165919-83200117	15.5340	13.2027	-0.2346	0.235499
Pcbp1	chr6:86524498-86526171	25.8955	20.1362	-0.3629	0.253507
Gm22591	chr6:113060697-113060803	14.8321	4.0361	-1.8777	0.106152
Tfpt	chr7:3620323-3629929	20.9556	16.1083	-0.3795	0.180328
Meis3	chr7:16175089-16186510	5.8014	7.6174	0.3929	0.036761
Tomm40	chr7:19701312-19715438	15.4861	13.0498	-0.2469	0.147428
0610005C13Rik	chr7:45567794-45575327	0.6733	0.2217	-1.6029	0.245033
Tmem126a	chr7:90450699-90457229	30.5845	39.4860	0.3685	0.177993
Pik3c2a	chr7:116337275-116443458	26.5374	30.8144	0.2156	0.110989
Igsf6	chr7:121064066-121074530	3.2249	1.6742	-0.9457	0.335032
McpH1	chr8:18595130-18803189	5.2959	4.4153	-0.2624	0.023581
Nat2	chr8:67494866-67502580	15.2159	20.2114	0.4096	0.179032
Mmaa	chr8:79266423-79294956	3.8536	2.6962	-0.5153	0.076009
Atxn1l	chr8:109726450-109737739	13.5915	11.5005	-0.2410	0.260675
Tmem170	chr8:111864897-111876675	4.5249	3.0325	-0.5774	0.086463
Mphosph6	chr8:117791644-117801929	19.5538	25.2842	0.3708	0.063160
Zfpm1	chr8:122282140-122337251	25.8573	20.7663	-0.3163	0.304977
Spata2l	chr8:123232254-123236209	4.4363	3.0508	-0.5402	0.154921
1810008B01Rik	chr8:124305131-124306507	14.3204	9.8336	-0.5423	0.150139
Smarca4	chr9:21616168-21704230	45.8513	39.6333	-0.2103	0.296849
Snord14d	chr9:40803994-40804080	98.9349	67.0565	-0.5611	0.016438
Zbtb16	chr9:48654310-48835945	0.8263	0.4161	-0.9899	0.106931
Pou2af1	chr9:51213689-51240079	25.7742	19.4759	-0.4042	0.366068
Cln6	chr9:62838784-62852006	7.5505	5.2085	-0.5357	0.259234
Khdc3	chr9:73101835-73104443	3.0243	1.7712	-0.7719	0.179116
Hyal2	chr9:107569116-107572776	3.0274	4.7121	0.6383	0.099676
Rbm5	chr9:107740370-107770996	34.1300	30.8378	-0.1463	0.097778
P4htm	chr9:108578825-108597600	6.4316	4.2621	-0.5936	0.196723
Ccrl2	chr9:111054834-111057270	5.1031	7.5790	0.5706	0.173699
Lars2	chr9:123366939-123462664	46.7746	19.2943	-1.2775	0.117823
Suv39h1	chrX:8061170-8074760	9.6560	7.9685	-0.2771	0.138653
Slc9a7	chrX:20105754-20291807	9.6250	11.6992	0.2815	0.012856
Xlr3b	chrX:73192206-73202930	1.0682	0.4279	-1.3198	0.193055
Ubl4	chrX:74365717-74373218	11.8504	9.3422	-0.3431	0.199488
Pola1	chrX:93304766-93632155	9.8481	12.1016	0.2973	0.219867
Hdac8	chrX:102284638-102505359	3.5003	4.8191	0.4613	0.199727
Amacr	chr15:10981755-10996624	1.1439	2.0639	0.8514	0.141162
Micall1	chr15:79108971-79136897	12.2458	10.4363	-0.2307	0.157812
Rnd1	chr15:98663420-98677461	0.7319	0.3030	-1.2725	0.157873
Galnt6os	chr15:100695779-100704896	18.2282	12.9650	-0.4915	0.365579
Spcs1	chr14:30999825-31001672	27.5807	35.1307	0.3491	0.212279
Ghitm	chr14:37120443-37135322	49.9350	59.0308	0.2414	0.154599
Traj20	chr14:54199440-54199498	44.1221	17.4098	-1.3416	0.050820
Mipep	chr14:60784565-60903610	10.1625	8.0693	-0.3327	0.039479
NA	chr17:32403005-32404698	40.7893	34.3973	-0.2459	0.165633
Ttc27	chr17:74717749-74863570	24.0869	19.9884	-0.2691	0.207379
Gm6548	chr17:78850791-78851956	19.8092	25.8181	0.3822	0.122086
Carhsp1	chr16:8658586-8672153	9.6182	12.4405	0.3712	0.170237
Hic2	chr16:17233571-17263430	1.9772	1.3312	-0.5708	0.221459
Gm15746	chr16:23197094-23198121	2.4348	1.0594	-1.2005	0.168247
Fam43a	chr16:30599722-30602797	0.9419	1.7450	0.8896	0.131919
Kalrn	chr16:33974257-34573532	0.0786	0.0138	-2.5136	0.119181
Gm9581	chr16:59558012-59600886	2.1637	3.8060	0.8148	0.299405
Gm26626	chr16:92612813-92620105	5.8162	3.2460	-0.8414	0.111485
C2cd2	chr16:97855209-97922633	3.0251	4.2832	0.5017	0.279198
B3gnt1	chr19:5038825-5041134	3.9010	5.9776	0.6157	0.174070
Adhfe1	chr1:9547947-9577970	0.4710	0.1769	-1.4130	0.004431
2810408I11Rik	chr1:64679870-64690659	2.1241	0.8814	-1.2689	0.128970
Nuf2	chr1:169497933-169531464	7.7846	10.2649	0.3990	0.124002
Slamf7	chr1:171634924-171649007	10.1763	16.3270	0.6821	0.279282
Cenpf	chr1:189640598-189688086	6.5234	7.9637	0.2878	0.185544

Osbp1a	chr18:12755313-12941841	0.4810	0.1677	-1.5203	0.154510
Camsap1	chr2:25926837-25983282	6.9687	5.5542	-0.3273	0.264504
Angptl2	chr2:33216068-33247717	18.8174	24.1544	0.3602	0.349889
Dgkz	chr2:91932823-91975864	92.1898	80.1250	-0.2024	0.340968
Phf21a	chr2:92093116-92364666	9.8679	8.5370	-0.2090	0.079371
Mavs	chr2:131234062-131248025	5.9270	8.6227	0.5408	0.196713
Fam83d	chr2:158768092-158786637	0.8245	1.7162	1.0577	0.183929
Snx21	chr2:164785822-164793816	4.4299	3.3343	-0.4099	0.127491
Rps21	chr2:180257376-180258445	82.4018	110.3063	0.4208	0.337247
Samd10	chr2:181595217-181599212	9.5894	7.0493	-0.4440	0.239697
Gpr160	chr3:30855949-30897192	1.2445	2.0672	0.7321	0.205666
Gfm1	chr3:67430095-67476529	16.8302	14.4446	-0.2205	0.061392
Isg20l2	chr3:87930313-87940686	37.0788	32.1069	-0.2077	0.154531
Tars2	chr3:95739975-95754977	21.7149	18.6482	-0.2196	0.155992
Gm11870	chr4:16011004-16012326	6.5479	4.2276	-0.6312	0.194257
Mfn2	chr4:147873598-147904704	10.9107	9.0212	-0.2744	0.198310
2510039O18Rik	chr4:147940894-147947314	32.7084	38.7076	0.2430	0.116540
Gm11793	chr11:121106146-121107127	1.6567	0.4419	-1.9066	0.312581
Gm15996	chr12:111730093-111731831	0.3644	1.6532	2.1817	0.050419
Zfp85os	chr13:67729261-67756838	0.2685	0.6121	1.1886	0.151747
Eif5al3-ps	chr5:90132228-90132675	0.5733	2.6590	2.2134	0.055420
Al429214	chr8:36993574-36995531	0.1310	0.6411	2.2906	0.158734
Arcm3	chr2:19199301-19310241	0.2793	0.9588	1.7796	0.059684
Gm26702	chr2:25575430-25580099	0.1814	0.5068	1.4826	0.037585
ltga10	chr3:96645583-96664519	0.1187	0.3345	1.4950	0.055451
Snord65	chr11:62604514-62604586	5.9418	19.9672	1.7486	0.067412
Slc18a1	chr8:69037710-69089235	0.0357	0.1870	2.3900	0.113135
Ctsf	chr19:4855128-4860912	0.1802	0.6871	1.9312	0.232089
Gm13776	chr2:91716158-91717419	0.2284	0.8922	1.9656	0.009798
Cyp39a1	chr17:43667424-43751431	0.0657	0.2961	2.1721	0.112416
2700089E24Rik	chr6:133105238-133107747	15.6097	20.2828	0.3778	0.297927
Lrrc20	chr10:61475832-61582226	3.4028	5.0447	0.5680	0.173862
Msi2	chr11:88339381-88718513	18.1484	21.0670	0.2151	0.134371
B9d2	chr7:25681157-25686558	8.1279	11.5804	0.5107	0.072323
Zfp27	chr7:29893332-29906572	4.5618	5.9600	0.3857	0.075114
Tsg101	chr7:46888948-46919969	6.9637	8.9130	0.3561	0.011010
Epsti1	chr14:77904238-78002656	68.4248	82.0706	0.2623	0.235615
Scel	chr14:103513340-103613346	0.8466	0.2971	-1.5107	0.249570
Bag6	chr17:35135177-35147322	20.4894	17.4160	-0.2345	0.250824
Gata3	chr2:9857077-9890034	11.8421	14.6106	0.3031	0.117478
Clic3	chr2:25456837-25458776	9.5661	6.2041	-0.6247	0.185707
Arhgef2	chr3:88607453-88648052	19.2329	16.9243	-0.1845	0.169292
Clspn	chr4:126556934-126593903	6.4167	8.0537	0.3278	0.228963
Smarca5-ps	chr4:145464203-145467420	1.2449	0.6694	-0.8951	0.084975
Traj48	chr14:54169808-54169868	9.0691	27.5911	1.6052	0.011937
Ddx51	chr5:110653450-110660496	5.2619	4.1752	-0.3337	0.099723
Wipi2	chr5:142629541-142670588	15.1823	13.1730	-0.2048	0.167311
Sipa1l2	chr8:125418062-125492710	4.9677	4.0321	-0.3011	0.078199
Comtd1	chr14:21845860-21848977	6.6448	4.8199	-0.4632	0.124880
Trak1	chr9:121366957-121474916	10.5449	8.5498	-0.3026	0.234724
Ptp1b	chr16:35022420-35109175	2.2095	1.4685	-0.5894	0.047646
Slc12a7	chr13:73763696-73816743	18.6161	16.3300	-0.1890	0.036907
NA	chr8:8689665-8690644	32.7180	23.5771	-0.4727	0.031474
Mthfs	chr9:89199378-89240226	5.6733	7.9775	0.4917	0.280275
Atp6v0e	chr17:26676395-26699644	15.9525	19.4402	0.2853	0.107878
Asah2	chr19:31984653-32061469	2.9703	4.1029	0.4660	0.098833
Zfyve27	chr19:42163950-42194590	9.4652	7.8432	-0.2712	0.291554
Ptbp3	chr4:59471867-59549364	85.1165	95.9445	0.1728	0.059850
Nupr1l	chr5:129908567-129910396	0.1869	0.7989	2.0958	0.145532
Dnah9	chr11:65831281-66168551	0.0121	0.0615	2.3400	0.048473
Gm14270	chr2:170285034-170285880	0.2273	1.2196	2.4240	0.184671
Ddt	chr10:75771229-75773414	14.9722	20.6745	0.4656	0.073394
Patz1	chr11:3288873-3309083	14.2040	12.0546	-0.2367	0.184102
Irgm1	chr11:48861967-48871683	27.8779	33.8878	0.2816	0.261154
Sar1b	chr11:51763686-51791925	30.6129	38.9074	0.3459	0.217017
Ispd	chr12:36381518-36689444	0.3185	0.9010	1.5004	0.063631
Lyst	chr13:13590408-13777440	19.8990	17.6349	-0.1743	0.149504
Gm17259	chr13:81778772-81783749	0.4627	0.8732	0.9164	0.041757
Txx	chr5:72695977-72752773	26.9392	22.4170	-0.2651	0.242233
Vps29	chr5:122354368-122364984	11.8374	15.0493	0.3464	0.180139
Baiap2l1	chr5:144264525-144358112	1.4050	0.7148	-0.9751	0.202610

Gpnmb	chr6:49036517-49058182	0.4955	0.9523	0.9426	0.056233
Tmcc1	chr6:116018617-116193486	4.2004	5.2607	0.3247	0.072328
lsg20	chr7:78913423-78920362	8.7312	12.3529	0.5006	0.240245
1700067K01Rik	chr8:84001501-84004770	1.8591	0.9108	-1.0294	0.179787
Ttk	chr9:83834688-83872390	4.6100	6.2613	0.4417	0.076178
Phf20l1	chr15:66577571-66645255	55.4540	48.9975	-0.1786	0.210801
Pdgfb	chr15:79995899-80014808	0.8166	1.4937	0.8711	0.114238
Ajuba	chr14:54567468-54577661	0.1736	0.5197	1.5817	0.043739
Zfand3	chr17:30005086-30210019	17.1144	21.6563	0.3396	0.209957
Pja2	chr17:64281004-64331916	15.1609	12.6386	-0.2625	0.159866
Ccdc88b	chr19:6844622-6858211	53.4600	47.3554	-0.1749	0.199340
Ric1	chr19:29522281-29606829	12.3299	10.8126	-0.1895	0.133284
1700034H15Rik	chr1:191890232-191907527	0.9161	0.4710	-0.9597	0.212398
Dolk	chr2:30284228-30286354	8.5931	6.0997	-0.4944	0.273049
Gm13786	chr2:92233104-92233437	11.8550	5.5225	-1.1021	0.282125
Ubr1	chr2:120860268-120970715	16.7866	14.8340	-0.1784	0.118028
Phgdh	chr3:98313169-98339990	8.3666	10.9660	0.3903	0.137194
Dhcr24	chr4:106561037-106589113	9.4237	7.5755	-0.3150	0.152912
Ehbp1	chr11:22005827-22342292	0.2226	0.5744	1.3677	0.160930
Gm20449	chr7:41399377-41499417	0.0723	0.3242	2.1656	0.063202
Fut8	chr12:77238103-77476338	10.5870	13.6278	0.3643	0.251179
Atg14	chr14:47540893-47568434	3.1198	4.5342	0.5394	0.166487
Mfap4	chr11:61485430-61488900	1.3885	0.5181	-1.4223	0.157198
Pan2	chr10:128303334-128321358	14.6829	12.5567	-0.2257	0.090843
Gm20521	chr14:54883440-54898137	64.5346	55.4469	-0.2190	0.125550
Sdcbp2	chr2:151572621-151590005	27.3057	34.0476	0.3184	0.120513
Fbxw11	chr11:32642723-32746816	21.4050	24.9630	0.2218	0.046880
Gm10516	chr1:192136897-192151013	0.7827	0.3374	-1.2138	0.058506
Gm25323	chr4:126201174-126201277	10.4583	2.1315	-2.2947	0.084055
Rpl23a-ps2	chr11:70879427-70879901	3.7097	0.8931	-2.0544	0.273249
Ppp2r3a	chr9:101104991-101251832	3.3093	2.2730	-0.5419	0.423251
Fam20a	chr11:109669748-109722279	1.8808	3.3821	0.8466	0.304310
Sgtb	chr13:104109740-104141735	0.9509	0.4417	-1.1063	0.234569
Gm17092	chr5:99977685-99978858	3.2086	6.0303	0.9103	0.062189
Gm17112	chr5:137532422-137540718	5.2929	1.6492	-1.6823	0.296103
Pspn	chr17:56999456-57000018	0.4055	2.1698	2.4196	0.229988
Gm26581	chr10:22212652-22217241	1.0971	0.5331	-1.0412	0.346849
Myeov2	chr1:92637144-92641985	14.5954	20.5577	0.4942	0.264548
Gm5812	chr17:6121207-6122164	0.8842	2.2556	1.3511	0.030810
Tmc4	chr7:3665789-3677524	3.9475	2.9044	-0.4427	0.072736
Ptrhd1	chr12:4234026-4240123	1.1379	1.8340	0.6887	0.129156
Ticrr	chr7:79660195-79698134	2.9731	2.1183	-0.4891	0.239952
Smg7	chr1:152836995-152902646	31.6168	27.4633	-0.2032	0.273377
Camkk1	chr11:73019007-73042073	3.8648	2.6990	-0.5180	0.194221
Xrcc2	chr5:25689811-25705825	3.1521	2.2596	-0.4803	0.258393
Wdr19	chr5:65199695-65260415	1.7716	2.8993	0.7107	0.140134
Chek2	chr5:110840016-110874133	5.1272	7.2575	0.5013	0.130649
4732471J01Rik	chr7:25384804-25385573	6.0539	10.8189	0.8376	0.092233
BC048644	chr8:121907832-121918428	0.5115	0.1943	-1.3967	0.058052
Gm3696	chr14:7083207-7100621	0.7466	0.2405	-1.6343	0.069231
Ndufaf7	chr17:78937134-78948052	6.4435	9.4243	0.5485	0.189144
Chmp2b	chr16:65539132-65562697	12.4489	16.9178	0.4425	0.213549
Smad7	chr18:75367528-75395935	18.2875	15.2318	-0.2638	0.244866
Mov10	chr3:104794835-104818563	14.1405	11.6396	-0.2808	0.240064
Pink1	chr4:138313408-138326307	27.9336	34.6655	0.3115	0.264162
Zfp444	chr7:6172225-6191349	4.7178	6.2109	0.3967	0.097152
1700027A07Rik	chr15:78911965-78913660	10.5487	5.5684	-0.9217	0.242917
Gm16570	chr12:81589434-81589870	3.8895	0.7740	-2.3291	0.202214
Mir702	chr5:136991432-136991541	1.7632	8.8682	2.3305	0.065242
Gm16638	chr7:83597047-83631842	1.7669	2.9530	0.7409	0.062352
Gm14167	chr2:151540730-151542348	1.6581	5.0772	1.6145	0.104383
Emb	chr13:117220624-117274098	70.6302	83.8742	0.2479	0.203862
Zfp637	chr6:117841179-117845956	5.8651	4.2472	-0.4656	0.206203
Gab2	chr7:97081750-97308940	0.3587	0.1216	-1.5609	0.133676
Trav12-2	chr14:53616314-53616912	5.6453	11.5148	1.0284	0.264015
Gm26561	chr17:70878077-71393284	6.1721	8.9693	0.5392	0.136725
C130036L24Rik	chr1:86359573-86373791	2.2803	1.3567	-0.7491	0.256153
mt-Nd4	chrM:10166-11544	42.4562	34.0625	-0.3178	0.299188
Gm12564	chr3:37556182-37556503	3.7885	0.9455	-2.0024	0.096424
Tmem245	chr4:56866922-56947437	4.6975	3.9318	-0.2567	0.254044
Smap2	chr4:120968316-121017247	21.9635	18.2411	-0.2679	0.245800

Txlna	chr4:129626077-129641065	23.9020	20.5533	-0.2178	0.244697
Col16a1	chr4:130047839-130099283	0.2225	0.5637	1.3409	0.181827
Gm12167	chr11:46342286-46345020	49.7399	39.8484	-0.3199	0.123301
Znhit3	chr11:84910949-84916366	3.5047	5.1686	0.5605	0.102370
Mlx	chr11:101087276-101092207	26.5336	31.8998	0.2657	0.082350
Pou5f2	chr13:78022912-78026296	3.1475	1.9210	-0.7123	0.330353
Parp11	chr6:127446839-127494241	16.3847	14.2074	-0.2057	0.110096
Pdhb	chr14:8165990-8172992	26.0862	32.6382	0.3233	0.148460
Traj26	chr14:54194489-54194549	82.7818	48.3427	-0.7760	0.092788
Gbe1	chr16:70313948-70569716	7.4553	5.9875	-0.3163	0.193559
Rnaseh2c	chr19:5601872-5603439	25.2472	31.6415	0.3257	0.159635
Fam111a	chr19:12545739-12589768	40.0111	48.2037	0.2687	0.252377
Map3k19	chr1:127815270-127840290	0.6251	0.2250	-1.4744	0.067529
Dstyk	chr1:132417452-132466959	6.1851	4.8769	-0.3428	0.293493
Hsd17b7	chr1:169949534-169969241	4.5468	3.5869	-0.3421	0.056646
Vangl2	chr1:172000959-172028444	0.8341	0.4417	-0.9172	0.273849
Bsd1	chr4:129461580-129488498	9.8444	11.8286	0.2649	0.101136
Slc2a12	chr10:22645010-22704285	1.3102	2.3201	0.8244	0.167790
Grin3b	chr10:79970714-79977190	2.4401	1.6028	-0.6063	0.098640
Pes1	chr11:3963974-3980004	28.1573	23.2813	-0.2743	0.306142
St6galnac2	chr11:116675302-116694868	1.1906	0.7926	-0.5871	0.068915
Zfp511	chr7:140036390-140040605	30.5793	24.5693	-0.3157	0.125241
Bace1	chr9:45838579-45864399	5.7990	4.3945	-0.4001	0.297860
Arpp21	chr9:112065090-112235938	0.1491	0.0632	-1.2384	0.265101
Abcd1	chrX:73716596-73738534	11.3665	9.2886	-0.2913	0.195178
Dhrs1	chr14:55739019-55745690	9.0734	11.3204	0.3192	0.034621
H2-D1	chr17:35262729-35267499	707.2581	802.4638	0.1822	0.185138
Senp2	chr16:22009483-22049269	20.8122	18.0590	-0.2047	0.133188
Lipt1	chr1:37871737-37877387	4.1879	3.0539	-0.4556	0.070480
Ccb1	chr2:30185123-30205847	5.1968	3.8723	-0.4244	0.074499
Spen	chr4:141467889-141538597	5.9738	4.6737	-0.3541	0.409968
Gm14027	chr2:129016951-129021756	3.8306	8.9501	1.2243	0.159055
Traj34	chr14:54184698-54184756	25.0861	62.8133	1.3242	0.065540
1700048O20Rik	chr9:121938134-121947014	0.2167	0.7490	1.7893	0.047876
Ranbp17	chr11:33211794-33513746	0.1256	0.0241	-2.3825	0.302146
1110065P20Rik	chr4:124849484-124850730	3.4116	6.4770	0.9249	0.205340
A830010M20Rik	chr5:107497377-107580596	3.3062	4.1074	0.3131	0.070317
Gm25745	chr10:86705315-86705448	28.1641	14.6056	-0.9473	0.177545
Tnrc6c	chr11:117654288-117763439	15.8079	13.7295	-0.2034	0.271219
Tuba3a	chr6:125278273-125286042	3.6395	2.0954	-0.7965	0.243119
Cxcr3	chrX:101731534-101734269	62.5675	92.6642	0.5666	0.213110
Ywhab	chr2:163994959-164018588	42.4768	37.1628	-0.1928	0.152235
Plekhn1	chr4:156221455-156228542	6.7325	4.5896	-0.5528	0.322712
Stac3	chr10:127501685-127508823	0.9417	0.2938	-1.6803	0.338525
Zfp473	chr7:44731480-44751050	0.2040	0.3676	0.8494	0.011000
2310002F09Rik	chr7:43695208-43797945	0.3390	1.1251	1.7308	0.338261
Ctage5	chr12:59129719-59191583	15.7699	13.7129	-0.2016	0.220620
Rpl5	chr5:107900501-107909005	17.8886	15.1426	-0.2404	0.179376
Itpril2	chr7:118485113-118491975	1.9773	2.9496	0.5770	0.269491
Prps1	chrX:140456612-140476140	21.0784	17.2528	-0.2889	0.159252
Arid1b	chr17:4994331-5347656	11.3662	9.6676	-0.2335	0.279317
Gm8251	chr1:44055951-44061936	0.1515	0.4242	1.4856	0.191382
4930558J18Rik	chr1:57359221-57377504	0.6851	1.6660	1.2819	0.039213
0610009O20Rik	chr18:38250248-38262629	20.1014	16.8944	-0.2508	0.080681
Psmc3	chr2:91054008-91066369	60.3278	73.5653	0.2862	0.251144
Gm23686	chr3:18177461-18177625	22.3362	37.5297	0.7486	0.229258
Dcaf10	chr4:45342100-45379759	7.7309	6.5195	-0.2459	0.128847
Mier1	chr4:103114389-103165754	18.7894	16.5940	-0.1793	0.208006
Lrrd1	chr5:3845172-3866596	0.1371	0.4490	1.7116	0.033139
Ifngr2	chr16:91547071-91565169	10.2365	8.0248	-0.3512	0.181786
Pcgf6	chr19:47033618-47050845	17.2276	14.1833	-0.2805	0.076716
Mbd3	chr10:80392538-80399550	21.4059	17.2442	-0.3119	0.221450
Det1	chr7:78822961-78847236	6.9626	9.1497	0.3941	0.127628
NA	chr5:105215698-105239533	6.9425	9.2900	0.4202	0.219899
Usp31	chr7:121642020-121707253	6.7645	5.8301	-0.2144	0.076267
Nmt2	chr2:3284211-3328877	11.6193	9.9646	-0.2216	0.133214
Ctsa	chr2:164832872-164841032	31.7230	37.8642	0.2553	0.240329
Pmvk	chr3:89459117-89469013	12.8698	17.3322	0.4295	0.145333
NA	chr10:59221952-59226431	0.6077	1.2326	1.0204	0.114191
Sowahc	chr10:59221952-59226434	0.6070	1.2313	1.0204	0.114191
Gm17661	chr2:90917642-90917914	2.2309	6.5865	1.5619	0.058814

Zwint	chr10:72654844-72674964	15.2602	18.3663	0.2673	0.130306
Dedd	chr1:171329144-171342331	8.3436	6.9402	-0.2657	0.177141
N4bp3	chr11:51643062-51650842	2.9684	4.1917	0.4978	0.070534
Ubb	chr11:62551170-62553213	76.7097	89.9722	0.2301	0.191871
Bcas3	chr11:85353166-85826058	8.7850	6.9875	-0.3303	0.304367
Mterf1a	chr5:3890580-3893933	3.6238	5.3069	0.5503	0.140028
D930016D06Rik	chr5:104525734-104554211	3.3789	2.5550	-0.4032	0.038535
Tmem175	chr5:108629769-108647770	9.8924	12.1363	0.2949	0.114036
Oas1b	chr5:120812634-120824163	13.2341	16.9682	0.3586	0.141565
Gm23458	chr5:123360831-123361000	6.2716	1.9412	-1.6919	0.037945
Fam3c	chr6:22306519-22356243	34.6636	41.0864	0.2452	0.203038
9130019P16Rik	chr6:54269680-54430221	0.1796	0.4631	1.3662	0.027033
2610044O15Rik8	chr8:129217723-129221950	18.9619	11.3450	-0.7410	0.090234
Etfa	chr9:55454507-55512243	10.3979	13.7467	0.4028	0.131860
Rpgr	chrX:10073620-10216920	0.7123	1.1327	0.6692	0.164115
Arhgap4	chrX:73891441-73921870	71.3040	63.9056	-0.1580	0.231399
Rrp7a	chr15:83113432-83122801	14.6719	12.5132	-0.2296	0.201368
1810013L24Rik	chr16:8830099-8858916	25.5711	21.9620	-0.2195	0.235794
Tmem134	chr19:4125933-4132307	21.2325	24.9000	0.2299	0.126762
Tmem206	chr1:191325911-191350914	9.4182	7.1513	-0.3972	0.176771
Gm26910	chr18:67773711-67774857	8.5665	5.2568	-0.7045	0.159705
Tank	chr2:61578584-61654171	35.3150	40.9830	0.2147	0.153550
Trp53rk	chr2:166792530-166799505	2.1233	1.4981	-0.5032	0.186825
Ubqln4	chr3:88553715-88569725	21.9907	17.9702	-0.2913	0.297546
Amigo1	chr3:108186334-108192286	1.3909	0.9553	-0.5420	0.002709
Abcd3	chr3:121758908-121815302	6.2849	4.7556	-0.4023	0.188836
5730508B09Rik	chr3:127869687-127896323	4.9886	7.7500	0.6356	0.118032
Lmtk3	chr7:45783737-45804144	0.2264	0.4583	1.0174	0.012864
Gm3667	chr14:6868501-6889962	0.8641	0.2834	-1.6082	0.294678
C430042M11Rik	chr17:83851674-83854393	0.2114	0.8777	2.0539	0.090128
Ttc33	chr15:5185524-5218336	14.3467	19.0465	0.4088	0.260756
Pik3r1	chr13:101680760-101768217	45.4869	40.6434	-0.1624	0.164469
Zfp939	chr7:39449517-39474335	1.4375	0.6472	-1.1513	0.058782
Phf8	chrX:151520671-151633859	10.7428	9.3847	-0.1950	0.073580
Zfp53	chr17:21491255-21509764	33.3154	40.3749	0.2773	0.169244
Snap29	chr16:17406002-17430826	15.1595	12.1137	-0.3236	0.353014
Mvb12b	chr2:33729952-33887946	4.6503	3.5198	-0.4019	0.167399
Sdc3	chr4:130792536-130826319	1.2990	0.7960	-0.7066	0.151884
Tsc2	chr17:24595936-24632629	11.3722	9.8836	-0.2024	0.027197
1110059G10Rik	chr9:122945088-122951000	3.7351	5.1878	0.4740	0.124641
4930513N10Rik	chr8:95806829-95821728	1.6837	1.0516	-0.6791	0.099719
Gm4841	chr18:60268300-60273267	7.6265	10.9680	0.5242	0.270972
ltgb3	chr11:104607999-104670476	17.5118	15.2702	-0.1976	0.109822
Khdrbs1	chr4:129703163-129742303	33.8381	30.2762	-0.1605	0.114470
Ing1	chr8:11556065-11563250	21.0667	17.7352	-0.2484	0.168478
Gm12195	chr11:50134081-50135004	6.8863	3.2535	-1.0817	0.264258
Arid4a	chr12:71015989-71098592	40.9622	35.7804	-0.1951	0.300248
Tmtc4	chr14:122918970-122984035	4.9339	3.9658	-0.3151	0.212408
Ilf3	chr9:21368018-21405361	34.0071	30.4432	-0.1597	0.063187
9230116N13Rik	chr1:136411915-136415519	1.1337	2.0475	0.8528	0.043975
Gm13563	chr2:26381525-26389018	36.2094	30.6595	-0.2400	0.167645
Zscan10	chr17:23600855-23611019	0.0599	0.3113	2.3772	0.075605
Glt8d2	chr10:82650432-82690650	0.8818	0.5525	-0.6745	0.003896
Rhddf2	chr11:116598164-116627019	2.9899	2.1912	-0.4484	0.180755
Klhdc2	chr12:69296680-69310687	10.4111	12.2988	0.2404	0.025351
Ercc8	chr13:108158730-108195364	3.8003	2.9640	-0.3586	0.207369
Naga	chr15:82329531-82338826	18.1348	22.1819	0.2906	0.073503
Wdr12	chr1:60076867-60098645	9.7079	7.8104	-0.3138	0.266076
Ptpn14	chr1:189728267-189876695	0.3454	0.1665	-1.0525	0.163362
Ppm1j	chr3:104781055-104786018	17.5172	13.8141	-0.3426	0.243074
Hemgn	chr4:46393988-46413506	0.4739	0.1354	-1.8070	0.025913
Nudc	chr4:133532541-133545996	48.5830	39.4598	-0.3001	0.316761
Exosc10	chr4:148558428-148582401	41.4623	37.2763	-0.1535	0.011401
Gm6158	chr14:24070073-24070637	0.4544	1.9914	2.1317	0.034054
NA	chr1:178256102-178257295	1.2012	0.2131	-2.4949	0.158155
Zfp458	chr13:67254917-67269068	1.6716	2.5375	0.6021	0.125260
Smdt1	chr15:82338958-82349091	31.8982	40.7170	0.3522	0.200660
Cnot2	chr10:116485160-116581511	44.1828	51.2962	0.2154	0.152330
Lrrk2	chr15:91673174-91816120	0.5389	0.8219	0.6090	0.214480
Gm9821	chr2:91945702-91947655	21.8531	17.3977	-0.3289	0.261614
Nasp	chr4:116601051-116627941	16.2858	13.5407	-0.2663	0.336196

Gm26779	chr5:109886230-109891137	4.8778	11.1833	1.1971	0.192384
Raver1	chr9:21074167-21091988	21.4504	17.3420	-0.3067	0.317529
Eif5a2	chr3:28781310-28798846	8.7934	6.9987	-0.3293	0.307608
Ube2o	chr11:116537739-116581447	6.1368	4.9274	-0.3167	0.128186
Al662270	chr11:83223575-83226604	91.2014	109.8864	0.2689	0.253777
Gm11723	chr11:117783325-117785055	21.0863	14.7350	-0.5171	0.074811
Gm1972	chr10:22224279-22253819	1.9986	0.5447	-1.8755	0.167402
Polrmt	chr10:79736122-79746581	7.9208	6.4182	-0.3035	0.193178
Gm6283	chr10:127313148-127314148	2.1212	0.7129	-1.5730	0.096434
2810408A11Rik	chr11:69897351-69900987	1.2066	2.1455	0.8304	0.109238
Gm12352	chr11:98438036-98439046	21.9754	16.5183	-0.4118	0.109481
Mis18bp1	chr12:65132733-65172604	3.4435	4.3472	0.3362	0.104657
Bcl11b	chr12:107910402-108003602	58.4099	53.0093	-0.1400	0.136479
Napepld	chr5:21662900-21701396	2.2779	1.4825	-0.6197	0.196938
Golga3	chr5:110176700-110226470	10.8222	9.6967	-0.1584	0.023040
Ep400	chr5:110664372-110770717	16.5954	14.1544	-0.2295	0.386041
Gm13842	chr5:116026410-116029230	1.7927	4.1094	1.1967	0.070131
Snd1	chr6:28475138-28935162	27.2492	24.3249	-0.1638	0.193639
Trbj2-6	chr6:41543597-41543645	155.5703	94.7287	-0.7157	0.228190
Gimap7	chr6:48718620-48724636	151.9561	180.2029	0.2460	0.259071
Tpi1	chr6:124810585-124814296	51.8190	62.9626	0.2810	0.355841
Zfp667	chr7:6286578-6307883	0.9615	1.5333	0.6733	0.098472
Ccdc9	chr7:16274041-16286795	11.5442	9.7896	-0.2378	0.163403
Sdhaf1	chr7:30321410-30322375	44.6744	54.1321	0.2770	0.107540
Nkg7	chr7:43437072-43438246	29.7893	39.7281	0.4154	0.267663
Smim19	chr8:22462614-22476879	7.9781	10.7409	0.4290	0.051416
Cep44	chr8:56531521-56551047	9.2968	7.0622	-0.3966	0.235971
Zfp709	chr8:71887263-71890912	6.0894	9.1807	0.5923	0.250244
Ddx28	chr8:106009615-106011486	12.2289	15.9481	0.3831	0.144455
Hspa8	chr9:40800983-40805200	152.3180	133.3604	-0.1918	0.355552
NA	chr9:108032845-108032970	8.8260	1.7793	-2.3104	0.241734
Dkc1	chrX:75095853-75109777	39.5578	33.0619	-0.2588	0.367006
Yy2	chrX:157565946-157598650	4.0570	3.0018	-0.4346	0.168130
Phka2	chrX:160502165-160598878	4.3880	5.4495	0.3126	0.067037
Rab9	chrX:166457252-166479867	9.7175	12.8369	0.4016	0.131264
Enpp2	chr15:54838897-54920146	0.7317	0.2854	-1.3585	0.321961
Sla	chr15:66780818-66831829	58.9134	66.1877	0.1680	0.062976
Map3k4	chr17:12227620-12318660	18.9581	16.6122	-0.1906	0.102919
Pkmyt1	chr17:23726335-23736729	8.8611	11.8074	0.4141	0.193644
Gm15597	chr17:27959614-27965316	1.2547	0.3007	-2.0611	0.147873
H2-Ke6	chr17:34026032-34028060	48.2219	41.4587	-0.2180	0.136025
Gm20518	chr16:17835276-17891671	19.9818	16.6960	-0.2592	0.307286
Noc3l	chr19:38788127-38819237	18.0621	14.7209	-0.2951	0.324655
Sfxn2	chr19:46573364-46596898	6.9613	5.5317	-0.3317	0.029689
Fam168b	chr1:34813218-34843065	73.0376	66.2797	-0.1401	0.134027
Fzd5	chr1:64730559-64737750	1.1680	1.6996	0.5412	0.106759
Gm26720	chr1:91989050-91992628	2.6851	1.8173	-0.5632	0.227482
Ddx18	chr1:121553834-121567989	12.1333	9.6875	-0.3248	0.158534
Hnrnpu	chr1:178323073-178337797	181.1664	162.4387	-0.1574	0.280249
Aldh7a1	chr18:56509686-56572951	1.3438	1.9763	0.5565	0.152373
4930473A02Rik	chr2:130543790-130563749	11.5300	15.2266	0.4012	0.105766
Tiparp	chr3:65528409-65555145	6.6414	8.6306	0.3780	0.173395
Wdr77	chr3:105959368-105984600	15.3836	13.1657	-0.2246	0.211380
Ripk2	chr4:16122732-16163647	10.4279	12.8367	0.2998	0.018558
Gm16103	chr1:43785909-43787188	1.3916	0.3867	-1.8473	0.293275
Anxa9	chr3:95296095-95307176	0.1940	0.8042	2.0512	0.152918
Mreg	chr1:72159232-72212307	0.0772	0.3925	2.3463	0.200952
Tgfb1	chr13:56609602-56639339	0.0629	0.4271	2.7644	0.370344
Fam64a	chr11:72042031-72047370	3.0283	4.3877	0.5350	0.116029
Rheb	chr5:24802822-24842624	10.7520	9.1787	-0.2282	0.112796
Npas1	chr7:16455720-16476780	0.7509	0.2433	-1.6256	0.037083
Adam9	chr8:24949610-25016922	2.4392	3.6209	0.5700	0.162962
2700029M09Rik	chr8:60890417-60907580	20.2499	26.0660	0.3643	0.226837
Snrpd1	chr18:10617795-10628230	60.4431	45.6735	-0.4042	0.353149
Zdhhc12	chr2:30090943-30093648	3.2459	5.0642	0.6417	0.182597
Tctn2	chr5:124598748-124627738	0.1541	0.0261	-2.5609	0.367599
Zfp1	chr8:111643442-111671008	18.3361	14.7670	-0.3123	0.210946
Traj31	chr14:54187894-54187951	168.0089	114.6282	-0.5516	0.108576
Pgap1	chr1:54472999-54557684	5.5167	6.6651	0.2728	0.182480
Gm16001	chr5:124111108-124112241	3.9462	6.2061	0.6532	0.087714
Lsm11	chr11:45928268-45944935	3.6349	4.5035	0.3091	0.010466

Gm22275	chr11:53701178-53701488	5.1299	2.0690	-1.3100	0.023951
Map2k3	chr11:60932032-60952811	11.2913	9.1008	-0.3112	0.185133
Arf2	chr11:103966738-103985337	5.5313	7.5290	0.4448	0.241735
B3galnt2	chr13:13954673-13999068	23.3187	20.0757	-0.2160	0.186614
Uso1	chr5:92137937-92202794	10.0272	8.0725	-0.3128	0.246214
Ntrk3	chr7:78192361-78578408	0.5917	0.2864	-1.0469	0.106800
A630091E08Rik	chr7:98543377-98562988	1.3718	2.8662	1.0631	0.014955
Hmgb2	chr8:57511842-57515999	5.5330	7.3210	0.4040	0.121881
Gm10033	chr8:69372144-69373383	6.8870	3.2240	-1.0950	0.297029
Hmox1	chr8:75093590-75100596	1.1648	2.0266	0.7990	0.092792
Anapc10	chr8:79711819-79777321	2.8247	4.4532	0.6568	0.211169
Msl2	chr9:101074726-101104784	42.7237	37.8359	-0.1753	0.213669
2010315B03Rik	chr9:124292990-124311750	15.0761	20.4294	0.4384	0.317758
Card6	chr15:5095980-5108539	5.0298	3.8141	-0.3991	0.292017
Dsc1	chr15:55076098-55090491	1.0793	1.7051	0.6597	0.106389
Pde1b	chr15:103503297-103530052	12.8065	10.3948	-0.3010	0.193031
Brd4	chr17:32196273-32284722	7.1269	5.7621	-0.3067	0.330819
Gm26858	chr17:32369304-32378445	2.5516	3.7730	0.5643	0.015883
Ly6g5b	chr17:35113947-35115428	0.8998	2.2370	1.3140	0.044165
Usp7	chr16:8689594-8792308	60.2408	54.1412	-0.1540	0.193991
Ccdc116	chr16:17139063-17147229	1.3832	0.9110	-0.6025	0.001231
Pola2	chr19:5940542-5964206	21.2363	17.9259	-0.2445	0.160149
Prdx5	chr19:6906696-6910106	22.0314	26.8045	0.2829	0.152673
Hif1an	chr19:44562849-44576274	13.2425	11.3866	-0.2178	0.218783
Atp2b4	chr1:133702673-133801041	9.3545	12.1330	0.3752	0.380236
Igfs9	chr1:172481787-172498878	0.4650	0.2378	-0.9676	0.106735
Kif20a	chr18:34624623-34633265	18.8914	22.4361	0.2481	0.123701
Rbm27	chr18:42275352-42341542	18.8491	16.5610	-0.1867	0.152880
Zadh2	chr18:84088157-84097514	5.1525	3.9961	-0.3667	0.035556
Slc43a1	chr2:84838849-84863594	1.4797	2.1369	0.5302	0.146381
Lin7c	chr2:109890852-109901003	21.4610	26.8205	0.3216	0.271809
Stard7	chr2:127270217-127298932	20.8183	18.5033	-0.1701	0.058004
Spata5	chr3:37419895-37579096	27.7006	24.0561	-0.2035	0.152431
Mex3a	chr3:88532394-88541396	1.1509	0.5939	-0.9545	0.201118
Rps20	chr4:3831333-3835665	38.4996	47.8247	0.3129	0.348916
Slco2a1	chr9:103008488-103087849	0.3421	0.0844	-2.0194	0.302312
Impg2	chr16:56204312-56273756	0.4931	0.1936	-1.3487	0.351431
Ernm	chr2:58045112-58052864	0.0617	0.2881	2.2220	0.174647
NA	chr11:97840779-97843043	0.1415	0.7788	2.4609	0.125543
Zfp276	chr8:123254194-123269745	10.1533	8.3796	-0.2770	0.230729
9930022D16Rik	chr11:109413916-109420405	0.1185	0.5263	2.1514	0.207133
Gm13421	chr2:27540425-27543362	2.5634	0.9144	-1.4872	0.335160
Gm26315	chr2:7076093-7076414	1.9368	5.0458	1.3814	0.160606
G730003C15Rik	chr1:59119832-59122139	0.0927	0.4300	2.2144	0.087311
Slc35b1	chr11:95384691-95391776	14.8131	18.3260	0.3070	0.092686
Ramp2	chr11:101246027-101259546	12.6745	10.3805	-0.2880	0.193565
Gm27014	chr12:54963063-54964200	3.9630	2.1772	-0.8642	0.110195
Mcur1	chr13:43538411-43560191	9.1870	7.4385	-0.3046	0.210300
Habp4	chr13:64161865-64186536	8.8574	6.7104	-0.4005	0.252041
Bdp1	chr13:100017993-100104070	23.4245	20.5398	-0.1896	0.249938
Gm26931	chr5:34481913-34482522	4.2673	2.0490	-1.0584	0.037325
Atxn2	chr5:121711336-121816493	4.9796	4.0387	-0.3021	0.195622
Atp2a2	chr5:122442701-122502225	47.6864	42.8378	-0.1547	0.162684
Trbv3	chr6:41048393-41048824	138.5914	170.0153	0.2948	0.174186
Rarres2	chr6:48569697-48572670	7.7598	4.2506	-0.8683	0.208424
Tmem135	chr7:89139722-89404222	9.6731	8.3057	-0.2199	0.067055
Crtc1	chr8:70382354-70439579	1.6152	1.1695	-0.4658	0.239023
Ppib	chr9:66060168-66066629	201.8784	238.8994	0.2429	0.264932
Gm17040	chr9:107292434-107297192	7.9303	4.9237	-0.6876	0.301805
C330013E15Rik	chr15:100614139-100615110	0.7536	1.9414	1.3653	0.181044
Kpna2-ps	chr17:47620770-47622339	12.5276	9.5578	-0.3903	0.174120
Mocs1	chr17:49428361-49455435	9.0944	6.9338	-0.3913	0.345197
Gm4707	chr17:71458326-71460395	5.0102	7.0357	0.4898	0.148376
H3f3aos	chr1:180813775-180816859	2.5198	3.8697	0.6189	0.157289
Suv39h2	chr2:3455814-3475031	3.1992	2.2907	-0.4819	0.192157
Sh2d3c	chr2:32721054-32755512	15.0841	12.3589	-0.2875	0.322635
Cacnb4	chr2:52428319-52676831	0.5383	0.3059	-0.8151	0.245333
Itga4	chr2:79255425-79333123	47.1268	55.7890	0.2434	0.343312
Adal	chr2:121140427-121156680	6.2293	5.0310	-0.3082	0.135857
Hdc	chr2:126593666-126619299	0.0439	0.1852	2.0752	0.076658
Zc3h6	chr2:128967401-129018563	6.4876	7.9897	0.3005	0.115290

Atxn7l2	chr3:108202221-108210934	3.0627	2.1421	-0.5158	0.230532
Sort1	chr3:108284090-108361511	0.3309	0.1416	-1.2245	0.234037
Ddx58	chr4:40203772-40239828	24.9119	29.4334	0.2406	0.234708
Pomc	chr12:3954950-3960618	0.2744	1.0198	1.8940	0.095576
Gm24447	chr15:93234362-93234700	0.5861	3.0342	2.3721	0.132999
Wdr89	chr12:75630593-75669537	5.0084	3.7648	-0.4118	0.118547
Atxn1	chr13:45549757-45964991	13.8385	16.6077	0.2632	0.284172
Casd1	chr6:4600839-4643381	16.9638	21.3756	0.3335	0.257952
Gm6939	chr7:126687458-126690034	3.4017	1.4628	-1.2176	0.316385
BC065403	chr9:72361734-72409943	17.0215	12.5991	-0.4340	0.223260
Glb1	chr9:114401075-114474376	20.6610	24.7827	0.2624	0.103991
Rab39b	chrX:75572045-75578231	2.2855	3.3779	0.5636	0.143764
Decr2	chr17:26081210-26090329	7.7559	10.2084	0.3964	0.165916
Yipf3	chr17:46248079-46252537	21.0096	25.4315	0.2756	0.195228
Trpt1	chr19:6996130-6999044	9.2402	6.4831	-0.5112	0.149301
1110058L19Rik	chr1:23995938-24005656	4.6367	7.5972	0.7124	0.175724
Srp9	chr1:182124736-182132407	22.4383	28.6401	0.3521	0.209638
Rnf14	chr18:38296634-38317847	22.3535	25.8607	0.2103	0.016603
Arl6ip6	chr2:53191725-53219220	10.3047	8.2898	-0.3139	0.094234
Ndufs3	chr2:90894633-90904827	13.6928	17.5126	0.3550	0.166681
Phox2a	chr7:101818312-101823166	0.2915	0.7854	1.4296	0.028257
Necab3	chr2:154544398-154558890	0.1426	0.5558	1.9629	0.102624
BC024978	chr7:27195780-27205386	2.6032	1.6648	-0.6449	0.137443
Prkrip1	chr5:136178126-136198963	4.8376	6.1289	0.3413	0.035801
Nudt8	chr19:4000579-4005816	2.2243	3.0461	0.4536	0.050748
Kansl1l	chr1:66719247-66817562	11.9999	9.8046	-0.2915	0.392422
Polr3k	chr2:181864336-181870830	13.5154	11.3046	-0.2577	0.118169
Hypk	chr2:121453289-121458672	11.0625	9.4305	-0.2303	0.125574
1700021J08Rik	chr4:117002165-117003012	12.1614	17.4070	0.5174	0.092676
Ado	chr10:67544511-67548955	12.1712	14.6991	0.2723	0.140184
Mmp11	chr10:75923221-75932502	2.4159	1.4654	-0.7213	0.199195
Rad50	chr11:53649518-53707319	25.2106	22.0982	-0.1901	0.180883
Arl4a	chr12:40005446-40038025	4.3851	5.6339	0.3615	0.237682
Scfd1	chr12:51377579-51450096	35.0336	41.4249	0.2418	0.123115
Pdlim7	chr13:55495794-55513676	0.9272	1.4826	0.6771	0.179815
Recql	chr6:142350341-142387087	14.1359	12.5068	-0.1766	0.061927
Ermard	chr17:15041640-15064232	4.2264	5.7607	0.4468	0.076668
Ergic1	chr17:26561488-26656931	12.4302	14.5100	0.2232	0.088376
Unc5cl	chr17:48454900-48539714	4.1892	5.6513	0.4319	0.106827
Dnmbp	chr19:43847966-43912392	5.4473	4.1941	-0.3772	0.250734
Gm13709	chr2:73370908-73379297	1.4368	4.0311	1.4884	0.228573
A330069E16Rik	chr2:91237145-91238352	0.4334	1.6393	1.9193	0.059329
Cdkn1a	chr17:29090978-29100722	0.2608	0.7783	1.5775	0.205273
Zak	chr2:72285636-72442610	0.0751	0.2623	1.8046	0.373796
Kdm2a	chr19:4316143-4398285	21.7132	19.6994	-0.1404	0.083702
Gm26788	chr1:34165855-34178271	6.3199	3.6681	-0.7849	0.448052
Sac3d1	chr19:6116003-6118586	5.1138	8.0334	0.6516	0.228914
ltpa	chr2:130667609-130681614	7.6756	10.0082	0.3828	0.087717
Gm23925	chr2:158359797-158359929	35.0298	19.4915	-0.8457	0.093308
Xpa	chr4:46155346-46196311	14.3372	17.9049	0.3206	0.087794
Snrp27	chr6:86675220-86684522	15.3743	20.2567	0.3979	0.244812
Mthfsd	chr8:121095011-121108392	8.6759	6.9252	-0.3252	0.326195
Slc37a4	chr9:44398175-44402963	9.4836	12.5905	0.4088	0.161425
Ash1l	chr3:88965811-89079373	26.3511	23.1656	-0.1859	0.284747
3010003L21Rik	chr6:148944866-148947129	3.6058	1.8897	-0.9322	0.208483
Kptn	chr7:16119894-16127516	7.3861	5.9048	-0.3229	0.129513
Aen	chr7:78895853-78911209	9.9376	8.4778	-0.2292	0.149972
Vps13b	chr15:35371545-35931228	32.6193	28.8144	-0.1789	0.318852
Tmem81	chr1:132506229-132508637	7.5396	5.5411	-0.4443	0.148371
Gm12944	chr4:127056261-127056724	2.4031	0.6420	-1.9043	0.147414
Alg3	chr16:20605450-20610768	9.9171	7.4682	-0.4091	0.047072
Zfp866	chr8:69761325-69791178	20.7745	17.9196	-0.2133	0.261593
Ogt	chrX:101640059-101684351	78.0663	68.6188	-0.1861	0.358135
Stim2	chr5:53998416-54121057	30.7707	27.7342	-0.1499	0.044502
Entpd6	chr2:150749041-150771675	11.4481	13.5879	0.2472	0.077640
Gm11715	chr11:107157407-107167150	8.3430	12.9579	0.6352	0.181588
Khk	chr5:30921555-30931246	3.3465	4.9887	0.5760	0.041699
4933434E20Rik	chr3:90051635-90063341	20.1443	16.7558	-0.2657	0.343802
4933424M12Rik	chr4:107787848-107789921	0.7054	0.1418	-2.3147	0.210791
Dgka	chr10:128720140-128744056	254.4075	232.5220	-0.1298	0.150434
Foxk2	chr11:121259989-121309896	13.8377	11.3383	-0.2874	0.363061

Gm25776	chr12:91573429-91573572	19.3227	37.9755	0.9748	0.365166
Arhgef1	chr7:24902911-24926592	79.0029	69.2889	-0.1893	0.356769
Spty2d1	chr7:46990395-47008411	17.3076	14.6281	-0.2427	0.314839
2810455O05Rik	chr8:123838552-123840785	4.1114	2.5038	-0.7155	0.183275
Jrkl	chr9:13242789-13245741	9.9506	8.1913	-0.2807	0.055054
Map2k1	chr9:64185769-64253631	22.8505	27.1839	0.2505	0.189587
Rps27l	chr9:66946085-66949516	27.5474	39.1466	0.5704	0.274995
Gm6630	chr16:23179555-23180011	7.1265	3.6387	-0.9697	0.087692
Cd44	chr2:102811140-102901665	25.6250	29.9475	0.2249	0.206005
Nfx1	chr4:40970905-41025993	27.8175	25.2637	-0.1389	0.056433
Ski	chr4:155154074-155222592	30.1713	25.7852	-0.2266	0.339007
E230016M11Rik	chr6:67036598-67080654	0.6739	1.2395	0.8792	0.062188
4930579O11Rik	chr8:81665875-81667118	0.4903	1.7152	1.8067	0.187777
Akr1c18	chr13:4132614-4150654	4.0817	2.0664	-0.9821	0.264906
Mrpl32	chr13:14610300-14613037	38.1980	49.0250	0.3600	0.237009
Cep41	chr6:30653456-30693749	4.6385	3.6708	-0.3376	0.142070
Pcgf1	chr6:83077868-83080855	5.7286	3.8151	-0.5865	0.120835
Akt2	chr7:27591551-27640826	13.5244	11.7755	-0.1998	0.206676
Picalm	chr7:90130231-90209447	81.6621	91.6338	0.1662	0.054254
Wdr4	chr17:31494322-31519974	6.3524	5.2480	-0.2755	0.107224
Sik1	chr17:31844247-31855792	8.2268	6.8650	-0.2611	0.092448
Blvra	chr2:127070664-127097084	9.1453	12.1470	0.4095	0.217716
O610039K10Rik	chr2:163644849-163645800	8.2075	5.0955	-0.6877	0.305740
4933421O10Rik	chr4:33027141-33031323	0.9999	1.6187	0.6950	0.062527
Ppt1	chr4:122836241-122859175	26.3442	31.2284	0.2454	0.193961
C230038L03Rik	chr7:96947577-96951886	0.1246	0.4758	1.9333	0.077060
Gm5976	chr1:52503233-52504229	0.2574	1.4330	2.4771	0.371903
Dmxl2	chr9:54365157-54501760	0.0306	0.1218	1.9955	0.216863
Thoc5	chr11:4895319-4928867	29.9756	25.9346	-0.2089	0.167779
Tmem154	chr3:84666191-84704575	25.7637	30.1133	0.2251	0.176035
4921513D11Rik	chr17:79626676-79628681	0.1746	0.7984	2.1931	0.133140
Pter	chr2:12924040-13003453	0.4494	1.0587	1.2361	0.140814
Rab5b	chr10:128677192-128696268	11.5969	14.4009	0.3124	0.154964
Obscn	chr11:58994255-59136402	0.0704	0.0208	-1.7568	0.399513
Spag5	chr11:78301528-78322457	6.9579	8.6587	0.3155	0.236008
Sept4	chr11:87568902-87590539	0.8716	0.4687	-0.8951	0.077811
Gm21989	chr12:20990458-21200919	1.1530	0.5192	-1.1510	0.059543
Bcd2	chr13:49341548-49387025	15.5060	13.5254	-0.1972	0.192925
5430403G16Rik	chr5:109674544-109691041	6.6323	4.9673	-0.4170	0.259620
Gm15751	chr5:123508394-123514011	12.0659	9.6898	-0.3164	0.053361
Rilpl1	chr5:124493081-124531391	3.2316	1.9435	-0.7336	0.366461
Gm24105	chr5:149247953-149248244	4.8709	10.4391	1.0997	0.198164
Trbj2-7	chr6:41543809-41543856	279.7594	184.0967	-0.6037	0.397782
Lrrc29	chr8:105312340-105326276	4.0801	2.4253	-0.7505	0.324406
Wwox	chr8:114439654-115352708	0.9340	1.3453	0.5264	0.261244
Dnaja4	chr9:54698872-54716315	3.7103	4.9019	0.4018	0.065244
Gpx1	chr9:108339079-108340338	115.3580	138.0226	0.2588	0.268380
Gpt	chr15:76696763-76699674	4.5865	2.7283	-0.7494	0.157088
Fbxo11	chr17:87990858-88065291	24.4584	20.7359	-0.2382	0.323974
Cd200r1	chr16:44765735-44794978	20.5281	24.8598	0.2762	0.129740
Neat1	chr19:5824707-5845478	12.6021	10.9151	-0.2073	0.379724
Unc50	chr1:37430169-37439124	21.2146	27.1198	0.3543	0.239119
Ndr3	chr2:156927344-156992056	13.8893	12.2353	-0.1829	0.135460
Stag3	chr5:138280239-138312393	0.0969	0.3317	1.7747	0.101959
Ncoa1	chr12:4247362-4477182	12.7805	10.8241	-0.2397	0.320662
Eno2	chr6:124760052-124769673	1.5972	1.0439	-0.6136	0.205171
Hnrnpa2b1	chr6:51460433-51469894	148.6473	132.9079	-0.1615	0.304435
Git1	chr11:77493561-77507786	9.6189	7.7389	-0.3137	0.300982
Ndufa4	chr6:11900372-11907446	143.3221	172.9876	0.2714	0.211952
Hectd2	chr19:36554638-36621135	1.8892	1.4219	-0.4099	0.196092
Gm25363	chr5:24820592-24820837	7.4956	1.8592	-2.0114	0.329666
Slc22a23	chr13:34179157-34345182	0.9888	0.5579	-0.8257	0.364624
Irf8	chr8:120736357-120756694	11.0477	9.3522	-0.2404	0.281319
Atat1	chr17:35897594-35910075	1.2867	1.8737	0.5422	0.056118
Txnrd2	chr16:18426416-18479073	3.4579	4.8675	0.4933	0.137668
Mrto4	chr4:139347434-139352576	12.3155	9.6222	-0.3560	0.293156
Gm26640	chr6:72953235-72957249	1.4898	2.4384	0.7108	0.247022
Dpm3	chr3:89259357-89267079	10.2560	15.2341	0.5708	0.195469
Alkbh6	chr7:30308716-30314304	9.8950	12.1661	0.2981	0.105052
Zfp229	chr17:21730794-21769342	0.8802	0.5185	-0.7636	0.146428
Rbm14	chr19:4800568-4811634	23.3846	20.2355	-0.2087	0.218054

Tvp23b	chr11:62879454-62916780	12.8256	10.5049	-0.2880	0.103996
Pim2	chrX:7878261-7883432	4.0981	5.6140	0.4541	0.169010
Ifft140	chr17:25016090-25099495	7.7130	6.4983	-0.2472	0.230549
Ppp1r18	chr17:35865592-35875596	30.5990	35.4600	0.2127	0.189436
Ubash3b	chr9:41011097-41161697	22.6396	20.3598	-0.1531	0.088897
Tomm70a	chr16:57121713-57154530	71.6260	62.1647	-0.2044	0.343533
Cbx2	chr11:119022961-119031270	4.5754	3.4499	-0.4074	0.214675
Ankrd9	chr12:110975352-110979040	1.0188	1.6459	0.6921	0.079161
Eid2	chr7:28267880-28269165	1.1455	2.8239	1.3017	0.133832
Ddc	chr11:11814100-11898144	0.9979	1.5971	0.6786	0.123529
Parp2	chr14:50807945-50821300	44.2037	37.7867	-0.2263	0.217340
Naa15	chr3:51416015-51475985	19.3373	16.5882	-0.2212	0.280032
Hes5	chr4:154960922-154962371	1.1126	0.3146	-1.8223	0.161597
Unc45a	chr7:80325291-80341005	13.0059	15.4176	0.2454	0.080318
Pop4	chr7:38262819-38271348	19.4243	25.0825	0.3688	0.142532
Rai14	chr15:10568978-10714631	0.6362	1.0746	0.7563	0.212005
Adrbk2	chr5:112910477-113015514	0.4892	0.2407	-1.0229	0.274163
Zbtb11	chr16:55966274-56008913	20.2587	17.7579	-0.1901	0.248398
Pex7	chr10:19859928-19907689	5.9339	7.7867	0.3920	0.101107
Gm26668	chr11:102863336-103075903	3.1413	2.2490	-0.4821	0.163042
Gm15911	chr13:55602181-55604783	6.4263	3.4065	-0.9157	0.200654
Tnip3	chr6:65590397-65634040	1.2721	2.0989	0.7225	0.146091
Nob1	chr8:107412485-107425051	8.1475	6.4269	-0.3422	0.246605
S1pr2	chr9:20965951-20976793	6.1073	7.8285	0.3582	0.071075
Abhd14a	chr9:106440050-106447678	5.2258	3.3836	-0.6271	0.132665
Gm24453	chr19:8724867-8724943	63.7367	37.3554	-0.7708	0.131437
R3hcc1l	chr19:42518758-42592343	8.2654	7.1407	-0.2110	0.093976
Pdia3	chr2:121413774-121438687	112.8583	127.9209	0.1807	0.135985
Zhx3	chr2:160743926-160872998	9.3941	8.0190	-0.2283	0.335180
1810022K09Rik	chr3:14606319-14611221	45.4110	58.1606	0.3570	0.198158
Gm17089	chr6:134233157-134243711	0.8114	1.9897	1.2940	0.095894
Gm17191	chr12:81532034-81533358	5.2215	1.5755	-1.7286	0.415691
4931403G20Rik	chr12:69847634-69853671	0.8173	0.2729	-1.5828	0.129626
Gpr146	chr5:139377741-139396415	9.5762	8.1590	-0.2311	0.216447
Dhrs11	chr11:84820855-84828994	4.3720	6.3649	0.5418	0.183914
Zfp58	chr13:67490166-67500555	14.0196	11.5710	-0.2769	0.137033
Smg9	chr7:24399618-24422778	15.9469	13.0424	-0.2901	0.322334
Ppp2r2d	chr7:138846078-138883057	8.6252	10.2051	0.2427	0.058536
Gm4890	chr8:79295122-79307685	1.0728	1.8616	0.7951	0.090775
Glyctk	chr9:106152856-106158138	2.6717	3.7162	0.4761	0.222501
Ppp1ca	chr19:4192157-4195419	323.5434	371.6101	0.1998	0.230970
Cpne1	chr2:156071844-156111959	40.2981	36.4572	-0.1445	0.131810
Atp1a1	chr3:101576218-101604603	120.1577	108.8754	-0.1423	0.246718
Sesn2	chr4:132492031-132510501	4.3326	3.0581	-0.5026	0.269077
Morn2	chr17:80290211-80297473	0.9948	3.3242	1.7405	0.205906
Pacs1	chr19:5133687-5273119	16.3812	13.3417	-0.2961	0.368357
Gpr171	chr3:59096447-59101821	31.1267	36.8877	0.2450	0.145117
Nbr1	chr11:101552148-101581951	26.6822	30.4878	0.1924	0.104921
Bod1l	chr5:41787541-41844168	36.6882	32.9983	-0.1529	0.220998
Hpse	chr5:100679483-100719716	1.0949	1.9473	0.8307	0.249422
Gm15243	chrX:160527500-160533045	2.8070	6.5659	1.2260	0.164824
Myo10	chr15:25622524-25813673	1.2703	0.9148	-0.4737	0.209791
A930007I19Rik	chr19:29486354-29523159	0.0690	0.2916	2.0799	0.268900
Aldh3a2	chr11:61223416-61267464	10.9977	12.8413	0.2236	0.036212
Mlst8	chr17:24473549-24479078	10.8955	9.0909	-0.2612	0.083023
Zfp563	chr17:33089309-33106203	1.9384	3.3697	0.7978	0.195506
Gm12042	chr11:21295559-21295860	3.3367	8.6755	1.3785	0.214950
Babam1	chr8:71396854-71404772	33.1926	41.0099	0.3051	0.234029
Rsrc2	chr5:123728425-123749414	35.3310	32.1835	-0.1346	0.076295
Agpat3	chr10:78269177-78352489	25.0665	22.0740	-0.1834	0.273539
Apc2	chr10:80295976-80318263	1.2730	0.9384	-0.4399	0.185034
Phykpl	chr11:51584756-51604489	30.1407	27.2925	-0.1432	0.163288
Slirp	chr12:87443895-87452206	38.3848	44.4432	0.2114	0.117640
Paxip1	chr5:27740666-27791339	12.0104	10.0362	-0.2591	0.274161
N4bp2	chr5:65763520-65830108	9.7235	8.3008	-0.2282	0.300572
Ccdc64	chr5:115648174-115731621	16.4182	14.5052	-0.1787	0.108084
Frmd4b	chr6:97286866-97617541	2.5383	3.3433	0.3974	0.238254
Lin37	chr7:30555440-30559838	15.4355	12.4007	-0.3158	0.054480
Arhgef10	chr8:14911662-15001085	2.4546	1.9190	-0.3552	0.177904
Nme6	chr9:109832748-109843116	1.8188	2.8831	0.6646	0.180128
Rbm3os	chrX:8145428-8147964	5.1497	3.2544	-0.6621	0.032348

Ddx3x	chrX:13280969-13294052	88.7424	102.3877	0.2063	0.247626
Gm6382	chrX:142210883-142211825	1.5090	0.4941	-1.6106	0.211120
Lst1	chr17:35185094-35188439	3.2480	6.4006	0.9787	0.143182
Fem1a	chr17:56256792-56263608	17.6018	15.5782	-0.1762	0.161376
Gm14965	chr19:6409399-6418606	0.9765	2.1081	1.1102	0.179779
Pdcd4	chr19:53892230-53929861	142.0938	127.4175	-0.1573	0.270653
Ormdl1	chr1:53297094-53310309	8.5130	10.2373	0.2661	0.092855
Arpc5	chr1:152766541-152775597	142.2252	164.9593	0.2139	0.263830
Gm26865	chr18:4373668-4379980	3.6814	2.7774	-0.4065	0.016890
Lypd6b	chr2:49787687-49948849	2.8310	1.7006	-0.7352	0.277892
Atg13	chr2:91674617-91710576	7.0542	5.7402	-0.2974	0.174547
Tmem230	chr2:132239491-132247807	6.3571	4.8551	-0.3889	0.218466
Epb4.111	chr3:156420908-156543214	0.2676	0.1479	-0.8557	0.015346
Ect2	chr3:27097221-27153878	6.5398	8.1347	0.3148	0.225688
4731419I09Rik	chr3:89337849-89347831	2.2551	1.2998	-0.7949	0.262598
Ubap2l	chr3:89999588-90052475	35.9854	32.6453	-0.1405	0.068461
Grhpr	chr4:44981394-44990734	6.2537	8.4417	0.4328	0.068371
Tmem38b	chr4:53826044-53862019	2.0986	2.9782	0.5050	0.165684
Tardbp	chr4:148612381-148627019	38.0343	33.9035	-0.1659	0.261095
Gm10275	chr10:29698745-29699379	1.3473	4.2812	1.6680	0.261644
Gm12248	chr11:58063827-58072937	0.4051	1.4911	1.8800	0.064700
NA	chr11:86317265-86317487	1.7314	7.0410	2.0238	0.295738
Trbj1-5	chr6:41535083-41535133	72.0024	126.7267	0.8156	0.110145
Gm15720	chr6:14646325-146463607	3.6768	8.3326	1.1803	0.176181
A130014A01Rik	chr8:120101581-120103904	1.3903	2.9344	1.0776	0.161610
Gm25394	chr13:49684300-49684433	4.9440	14.1714	1.5192	0.172688
Gm23094	chr8:25678949-25679271	8.0455	3.1855	-1.3367	0.432152
Gm14154	chr2:151947272-151950641	1.1154	3.1561	1.5006	0.138316
Gm16033	chr11:46143782-46147116	35.8215	26.7543	-0.4211	0.284931
Clk4	chr11:51261729-51281766	38.1001	34.0022	-0.1642	0.222817
Ulk2	chr11:61775648-61855073	10.3967	12.2437	0.2359	0.106119
Chrnbl	chr11:69784035-69795943	2.2906	1.4612	-0.6486	0.154703
Pecam1	chr11:106654216-106750628	59.3954	53.2447	-0.1577	0.232082
Ankmy2	chr12:36157123-36197291	28.5819	24.7808	-0.2059	0.117946
Papln	chr12:83763633-83792382	0.2740	0.0739	-1.8912	0.113940
Fosl2	chr5:32136471-32157831	1.6549	2.4234	0.5503	0.296932
Hopxos	chr5:77094531-77102303	13.1970	16.5624	0.3277	0.098442
Paqr3	chr5:97082328-97111596	3.0384	3.8611	0.3457	0.159313
Ppp1r35	chr5:137778848-13780110	15.0695	19.4934	0.3713	0.100104
Prkar1b	chr5:139017305-139150001	1.2353	0.6855	-0.8496	0.219114
Slc46a3	chr5:147878436-147894815	5.1393	6.6396	0.3695	0.003326
Plekha8	chr6:54595110-54645839	0.9717	1.3821	0.5083	0.081649
Ash2l	chr8:25816190-25847694	16.6295	19.4338	0.2248	0.157898
Slc7a6	chr8:106168874-106198704	19.1611	16.6683	-0.2011	0.140295
Prmt7	chr8:106210935-106252794	8.0776	6.6826	-0.2735	0.281047
Snx33	chr9:56917199-56928371	8.6655	10.3257	0.2529	0.037261
Alas2	chrX:150547374-150570638	0.7768	1.4872	0.9371	0.236675
Trav3-3	chr14:53665928-53666505	2.8569	6.8118	1.2536	0.095776
Foxp4	chr17:47867132-47924645	6.4390	4.9893	-0.3680	0.290718
Slc30a6	chr17:74395607-74424229	8.0186	6.1494	-0.3829	0.166169
Dtx4	chr19:12466340-12501996	2.3767	3.3459	0.4934	0.241976
Zbed6	chr1:133619939-133661318	26.6603	23.1771	-0.2020	0.359586
Klhl12	chr1:134455530-134491018	6.5091	5.5080	-0.2409	0.110904
Slc2a8	chr2:32972989-32982083	2.3804	3.5375	0.5716	0.150666
Mef2d	chr3:88142371-88172086	12.9382	10.8372	-0.2557	0.316827
Casp6	chr3:129901424-129914103	6.4423	9.1923	0.5129	0.157622
Ccdc109b	chr3:129914959-129970206	13.4384	17.1010	0.3477	0.079319
Gem	chr4:11704456-11714752	1.9186	3.1093	0.6965	0.195849
Foxd2os	chr4:114909256-114921967	1.8878	2.7524	0.5440	0.073287
Prdx1	chr4:116685543-116700822	32.5853	40.8800	0.3272	0.333965
Gnl2	chr4:125016584-125055380	27.8688	24.2574	-0.2002	0.216799
Psd3	chr8:67689081-68062286	0.2115	0.0890	-1.2493	0.222063
Atp5l	chr9:44913249-44920742	4.1414	1.2158	-1.7683	0.302293
Gm7666	chr15:6653922-6654741	0.8344	2.6595	1.6724	0.086510
Gm26883	chr2:169633645-169888503	0.4632	1.0776	1.2181	0.281299
Gm5148	chr3:37714189-37724490	0.1330	0.4207	1.6617	0.087849
Thtpa	chr14:55094834-55098986	11.2763	13.7023	0.2811	0.064293
Cpa3	chr3:20215616-20242181	0.8277	0.2571	-1.6870	0.095594
Usb1	chr8:95332291-95347507	10.8838	13.1889	0.2771	0.035624
Nsfl1c	chr2:151494181-151511414	15.0666	12.1457	-0.3109	0.388376
Col5a3	chr9:20770049-20815067	0.0361	0.1568	2.1185	0.168313

1700021F05Rik	chr10:43525120-43540994	4.4808	7.0292	0.6496	0.172106
Ddx39b	chr17:35241745-35253707	99.2610	90.0213	-0.1410	0.212641
B230398E01Rik	chr3:94959033-94962048	11.3569	14.3428	0.3368	0.102120
Bhlha15	chr5:144190285-144194441	1.0797	0.6048	-0.8361	0.163547
Ms4a6c	chr19:11469367-11482197	44.3856	37.5471	-0.2414	0.318238
Scarna6	chr1:87784555-87784820	63.1092	90.3780	0.5181	0.356826
Zfp821	chr8:109705548-109724932	8.9914	6.9958	-0.3621	0.160420
Zfhx2	chr14:55060261-55092324	1.6998	1.2161	-0.4831	0.364250
Sqstm1	chr11:50199365-50210827	59.2517	66.7206	0.1713	0.071227
Ifit1	chr19:34640870-34650009	20.9195	31.8840	0.6080	0.233650
2610024D14Rik	chr11:21099533-21099827	21.5441	13.9214	-0.6300	0.073190
Uimc1	chr13:55027879-55100300	17.0779	20.2382	0.2449	0.210245
Hn1l	chr17:24942155-24960636	15.5082	12.2393	-0.3415	0.422957
Slc29a2	chr19:5024005-5031971	2.0372	1.0987	-0.8907	0.326999
Nxf1	chr19:8757102-8770909	84.5281	76.7397	-0.1395	0.052220
Tor3a	chr1:156653616-156674356	7.2995	9.4937	0.3792	0.260783
Chmp4b	chr2:154651704-154694785	91.2785	103.1788	0.1768	0.090607
Nfatc2	chr2:168476409-168601657	5.2381	4.1783	-0.3261	0.388959
Gm2076	chr13:93293780-93294751	1.4659	0.3793	-1.9502	0.203619
Gm26847	chr10:128230589-128232790	0.6869	1.5601	1.1835	0.224814
Rmdn1	chr4:19575161-19606932	3.9128	5.8085	0.5700	0.194078
Cdc45	chr16:18780446-18811987	12.5944	15.4793	0.2976	0.096309
Plekha1	chr7:130865755-130913312	10.3408	9.0189	-0.1973	0.150456
Rps13-ps4	chr8:119602169-119602625	3.5962	1.1411	-1.6561	0.335958
Acot6	chr12:84100653-84111349	1.0126	2.0846	1.0417	0.109306
Map3k15	chrX:159988432-160123351	10.2588	13.0396	0.3460	0.272048
Olf755-ps1	chr17:37276647-37278105	5.6545	3.3237	-0.7666	0.209787
Fam107b	chr2:3613757-3782142	169.5186	193.3871	0.1900	0.230465
Gm25848	chr16:32243711-32243855	2.2243	8.6086	1.9524	0.087218
Gm14176	chr2:157901468-157902522	0.2293	0.8727	1.9285	0.032138
Tubb4b	chr2:25222159-25224702	46.4688	54.9650	0.2423	0.207564
Gm17228	chr17:63346919-63347410	0.5145	1.8599	1.8541	0.054688
Chrna2	chr14:66140959-66152948	0.7120	1.2390	0.7993	0.143062
Tada1	chr1:166379096-166393621	10.5507	12.5619	0.2517	0.079715
Tom11l	chr11:90643464-90688366	1.5593	2.1005	0.4298	0.130921
Hdgfrp3	chr7:81881250-81934473	8.9014	7.8474	-0.1818	0.121477
Cdipt	chr7:126976348-126980499	78.0918	91.0584	0.2216	0.237314
Abhd8	chr8:71456699-71463657	37.3861	45.2097	0.2741	0.294749
Ranbp10	chr8:105768307-105827350	11.4389	9.6873	-0.2398	0.275704
Naa30	chr14:49172225-49191031	17.6860	15.8071	-0.1620	0.106189
Notch4	chr17:34564267-34588503	1.2292	0.8421	-0.5456	0.266961
Tmem64	chr4:15265830-15286753	37.1982	33.0030	-0.1726	0.205983
Rngtt	chr4:33310310-33502614	11.8423	10.2746	-0.2049	0.215744
Ccdc67	chr9:15559863-15627933	0.8365	0.3445	-1.2797	0.265540
Dmrta2	chr4:109978052-109983687	0.0513	0.3396	2.7281	0.404578
Ccm2	chr11:6546886-6596744	53.5495	47.7781	-0.1645	0.257857
Rhbdl3	chr11:80300911-80355955	0.3109	0.6317	1.0226	0.220972
Tmem14c	chr13:41016249-41022575	41.0650	50.1699	0.2889	0.159833
Trappc13	chr13:104142148-104178469	10.1794	12.2802	0.2707	0.204839
Smco3	chr6:136829926-136835452	0.6806	0.1339	-2.3463	0.383170
Vasp	chr7:19256928-19271817	153.1523	172.3012	0.1700	0.157395
Gm26646	chr7:79916951-79920606	2.0845	3.4983	0.7470	0.173373
Arhgef7	chr8:11728104-11835219	5.3419	4.6597	-0.1971	0.092469
Lzts1	chr8:69135502-69140953	1.1565	2.1301	0.8812	0.193281
Tmem221	chr8:71554302-71558871	1.3376	2.4359	0.8648	0.087798
Gcsh	chr8:116981809-116993537	17.2373	12.8465	-0.4242	0.371508
Pcyt1b	chrX:93654862-93749951	1.2325	1.8656	0.5981	0.161602
Tmem184b	chr15:79360683-79403303	6.4646	4.9143	-0.3956	0.332562
Spats2	chr15:99126577-99213206	0.5598	0.1800	-1.6367	0.283135
Abcg1	chr17:31057697-31115777	37.7102	33.5028	-0.1707	0.241501
Zfp799	chr17:32815454-32822200	5.3296	6.5859	0.3054	0.155543
Dtx3l	chr16:35926510-35939151	45.7263	51.6083	0.1746	0.118641
Gm25894	chr19:8724250-8724325	45.1557	80.0080	0.8252	0.243157
Hnrnpul2	chr19:8819400-8834142	27.0070	23.8025	-0.1822	0.259420
Med22	chr2:26905261-26910677	19.3520	16.9214	-0.1936	0.083133
Setx	chr2:29124180-29182471	76.2892	69.7600	-0.1291	0.166174
Gm13436	chr2:36807807-36808425	55.4489	71.0703	0.3581	0.305827
Capn3	chr2:120456018-120504913	7.5599	6.2048	-0.2850	0.257781
Gm9889	chr3:115715149-115716727	1.6806	2.9373	0.8055	0.156816
Dvl1	chr4:155847401-155859303	18.2395	16.1506	-0.1755	0.101026
Gm16125	chr13:74340538-74340877	2.0005	5.2910	1.4032	0.047431

Henmt1	chr3:108940083-108960773	0.3957	0.8633	1.1253	0.189755
Cep290	chr10:100488288-100573655	2.3428	3.0240	0.3682	0.172639
Gm26772	chr14:25548389-25554369	1.1907	0.6474	-0.8791	0.216455
Polr3b	chr10:84622436-84727177	19.0982	16.8713	-0.1789	0.129403
Dpy19l1	chr9:24411775-24503140	9.4576	8.2351	-0.1997	0.079579
Dag1	chr9:108205954-108263924	5.0961	3.9917	-0.3524	0.247076
Gm7535	chr17:17911038-17911947	2.6663	1.2797	-1.0591	0.139278
Eef1g	chr19:8967040-8978479	49.2997	42.0813	-0.2284	0.403169
Mrps21	chr3:95862633-95871519	13.3903	18.1227	0.4366	0.225594
Ccdc136	chr6:29396308-29426994	0.0846	0.3109	1.8784	0.082926
Sirt6	chr10:81621784-81627797	8.8696	6.8035	-0.3826	0.282667
Ube3c	chr5:29569241-29676077	24.0681	21.5516	-0.1593	0.049853
Usf2	chr7:30945251-30956803	22.7222	19.4709	-0.2228	0.167031
Ccdc101	chr7:126649308-126672925	10.3995	13.1861	0.3425	0.079170
Ddx60	chr8:61928086-62037701	12.7127	15.5132	0.2872	0.312542
Tmem181a	chr17:6270474-6305783	5.4416	3.7651	-0.5313	0.204948
Kif18a	chr2:109280737-109341747	2.6601	3.3079	0.3144	0.134637
Nceh1	chr3:27182964-27284608	6.3466	7.7507	0.2883	0.127215
Gm21182	chr8:20556694-20557333	0.4011	1.6446	2.0357	0.123616
Vwa5b2	chr16:20589470-20605377	0.0871	0.2555	1.5528	0.211883
Mir1894	chr17:35917888-35917969	74.9028	110.9046	0.5662	0.189287
Rad54l	chr4:116094263-116123690	4.0423	4.9021	0.2782	0.082711
Mapkapk2	chr1:131053703-131097543	59.5446	68.6959	0.2063	0.219365
Mtmt1	chrX:71364759-71419196	14.7833	17.2673	0.2241	0.160503
Plin5	chr17:56111600-56117596	0.7135	0.2132	-1.7429	0.172699
Tasp1	chr2:139833479-140066805	25.0063	22.0431	-0.1820	0.102291
Tssk6	chr8:69902183-69903516	5.4084	3.3240	-0.7023	0.244979
Gm16083	chr1:130462575-130557075	0.5699	1.0978	0.9459	0.221493
Fryl	chr5:73020321-73256618	40.0379	34.6861	-0.2070	0.458595
Ttil3	chr6:113389259-113414583	14.1224	12.0469	-0.2293	0.274078
Rpl35	chr2:39001579-39005624	19.6305	26.1218	0.4122	0.347821
Fitm2	chr2:163466378-163472629	3.1154	4.2034	0.4321	0.157888
Plch2	chr4:154983114-155056784	0.1747	0.0386	-2.1798	0.182527
Spaca1	chr4:34024873-34050191	1.3073	0.4722	-1.4693	0.194508
Gdf11	chr10:128882294-128891718	6.0779	7.8985	0.3780	0.265941
Gm22442	chr11:69350517-69350661	975.3524	1173.6078	0.2670	0.382726
Sec23a	chr12:58958382-59012017	13.6400	15.8637	0.2179	0.064938
Slc4a2	chr5:24423836-24440950	12.4162	10.8442	-0.1953	0.140771
Wbscr27	chr5:134932367-134942637	2.4369	1.5564	-0.6468	0.269141
Gdpgp1	chr7:80232866-80241006	5.4474	7.0606	0.3742	0.221101
Pgrmc1	chrX:36598205-36606079	25.0254	30.0485	0.2639	0.153856
Enpp4	chr17:44096307-44105809	5.7383	4.3551	-0.3979	0.330260
Vasn	chr16:4639940-4650802	7.8425	5.8611	-0.4201	0.354497
Hspd1	chr1:55077834-55088243	59.2311	48.7542	-0.2808	0.447812
Mtg2	chr2:180070587-180085902	7.8780	6.7493	-0.2231	0.087896
1110037F02Rik	chr4:11485957-11550684	36.2206	40.8691	0.1742	0.111667
Hpn	chr7:31098724-31115290	0.9895	2.0278	1.0352	0.113698
Szt2	chr4:118362742-118409273	9.1457	7.6734	-0.2532	0.389232
Mcts2	chr2:152687147-152687940	15.7505	10.8818	-0.5335	0.260307
Nab2	chr10:127660917-127668568	30.9129	26.7881	-0.2066	0.266623
Gm11714	chr11:107428275-107435686	3.0863	5.4845	0.8295	0.279916
Nsd1	chr13:55209781-55318325	50.0937	45.1593	-0.1496	0.287408
Gm15829	chr16:33966238-33967312	10.2929	5.9828	-0.7827	0.257567
Ubald2	chr11:116434093-116439077	4.7801	3.2104	-0.5743	0.094009
Gm25596	chr10:29349584-29349691	21.8385	8.4405	-1.3715	0.134153
Icosl	chr10:78069359-78079525	4.9885	3.7987	-0.3931	0.067975
Pus7	chr5:23740647-23783711	11.2680	9.4086	-0.2602	0.312222
Fam184b	chr5:45529705-45639501	0.4552	0.1524	-1.5792	0.254413
E130309D02Rik	chr5:143301194-143315360	7.4450	6.0485	-0.2997	0.241384
Kif22	chr7:127027731-127042420	15.6228	19.5408	0.3228	0.232094
Mcmbp	chr7:128696440-128740495	37.3048	33.4181	-0.1587	0.186038
Polb	chr8:22628118-22653437	18.5209	23.5523	0.3467	0.180692
Ubash3a	chr17:31207872-31242202	69.9498	62.6803	-0.1583	0.250805
Dnajc28	chr16:91614256-91619026	1.9425	1.1763	-0.7236	0.375366
Spopl	chr2:23506219-23572106	11.1662	9.5444	-0.2264	0.271162
Gm14198	chr2:154630001-154632636	1.6831	0.4504	-1.9017	0.271692
Prss12	chr3:123446912-123506602	1.2824	2.3364	0.8654	0.242890
Nfia	chr4:97772733-98118874	0.5090	0.8160	0.6808	0.259161
4930483K19Rik	chr10:76545870-76562226	1.1705	2.2953	0.9716	0.036605
Pgam1	chr19:41911870-41918664	1.8513	3.4454	0.8962	0.238938
Sell	chr1:164062075-164080785	319.2554	282.9061	-0.1744	0.367889

Slc2a1	chr4:119108710-119137330	14.7832	12.5752	-0.2334	0.098979
Csnk1d	chr11:120961748-120991330	37.0888	33.0718	-0.1654	0.260130
Mir27b	chr13:63300699-63300796	48.7279	28.7520	-0.7611	0.280921
Rasal1	chr5:120648811-120679597	13.8808	11.3702	-0.2878	0.343033
Snrpg	chr6:86371582-86378902	35.1686	52.4354	0.5763	0.259125
Setd5	chr6:113077364-113153435	22.8580	20.0736	-0.1874	0.370121
Slc25a15	chr8:22375553-22398621	4.8944	3.6660	-0.4169	0.260740
Tex15	chr8:33516737-33585582	2.1214	1.5094	-0.4910	0.411106
Tirap	chr9:35184550-35200291	0.9508	1.4722	0.6307	0.191119
Mtcp1	chrX:75404845-75416584	6.4226	8.6556	0.4305	0.017297
Baiap3	chr17:25242658-25256364	6.2507	8.2986	0.4089	0.364795
Wdr74	chr19:8735838-8740623	38.5134	33.0618	-0.2202	0.081529
Mbp	chr18:82475145-82585637	28.1524	25.0287	-0.1697	0.311457
Ppp2r4	chr2:30416038-30447806	22.1855	25.2788	0.1883	0.082302
Gbp2	chr3:142620601-142638008	87.9864	100.0634	0.1856	0.166677
Dio2	chr12:90724553-90738438	0.1160	0.3300	1.5083	0.110703
Med24	chr11:98704590-98729435	14.1675	12.3259	-0.2009	0.268766
Ptprj	chr2:90429753-90580647	8.5855	10.6728	0.3140	0.311891
Furin	chr7:80388584-80405436	6.2976	5.2032	-0.2754	0.332820
Arl13b	chr16:62793684-62847040	4.0076	5.0619	0.3369	0.094995
Prim2	chr1:33453810-33669786	14.1640	17.6917	0.3208	0.206797
Sit1	chr4:43482080-43483734	35.4122	41.8373	0.2405	0.046208
Akna	chr4:63367124-63403354	84.7679	72.4619	-0.2262	0.441903
Cpsf6	chr10:117344672-117380015	30.3343	27.4371	-0.1448	0.221838
Trip11	chr12:101834042-101913267	20.9675	18.6031	-0.1726	0.296609
Etfb	chr7:43444107-43457800	20.6709	26.8218	0.3758	0.218961
Trim21	chr7:102557921-102565469	43.8806	52.0802	0.2471	0.300227
Kctd21	chr7:97332326-97350213	0.4852	1.1115	1.1959	0.128269
Gm15613	chr5:32479559-32479885	9.7431	4.5693	-1.0924	0.405682
Trbv13-3	chr6:41130146-41130585	77.9207	62.4207	-0.3200	0.237960
Fbxw9	chr8:85060054-85067124	2.2018	1.4168	-0.6361	0.206589
Nup155	chr15:8109312-8159857	18.1894	16.1988	-0.1672	0.101167
Rcan1	chr16:92391952-92466146	3.5963	5.3128	0.5629	0.270460
Zbtb18	chr1:177444660-177450760	7.4671	6.2821	-0.2493	0.159282
Snrnp200	chr2:127208385-127240451	64.4506	58.6559	-0.1359	0.261975
Zfp335	chr2:164891881-164911757	20.4964	17.1728	-0.2552	0.381935
Traj56	chr14:54159262-54159325	15.8018	4.3230	-1.8700	0.192249
Syng3	chr17:24685091-24689955	0.1754	0.6409	1.8697	0.149589
Gpr35	chr1:92973118-92986391	0.1565	0.3833	1.2925	0.178991
Znf512b	chr2:181582102-181592803	12.9642	11.3904	-0.1867	0.169802
Rhpn2	chr7:35334174-35392285	1.1217	0.6411	-0.8070	0.269252
Pno1	chr11:17203197-17211568	23.6994	19.0528	-0.3148	0.398138
Engase	chr11:118476828-118489209	2.2115	1.6339	-0.4367	0.089210
Trim68	chr7:102677579-102687326	6.1547	7.9909	0.3767	0.143027
Gemin8	chrX:166170453-166190512	2.3872	3.5394	0.5682	0.156552
Atp5g2	chr15:102663013-102667749	6.3994	3.1173	-1.0376	0.287527
Kctd18	chr1:57955100-58018956	7.3813	8.4842	0.2009	0.077438
Ino80	chr2:119373041-119477687	17.7949	15.8672	-0.1654	0.113135
Mrpl48-ps	chr4:88599174-88599810	1.0889	2.8867	1.4065	0.180266
Chml	chr1:175686487-175688353	7.1607	5.3376	-0.4239	0.173872
Ttc39c	chr18:12599925-12737050	8.2917	10.6212	0.3572	0.307170
Gm5421	chr10:22343438-22345792	1.7539	2.8739	0.7124	0.198765
Ly6e	chr15:74955050-74959905	210.2623	242.6562	0.2067	0.323025
Ephx1	chr1:180976154-181020904	87.5017	99.5744	0.1865	0.149417
Pds5a	chr5:65615259-65697856	87.4563	79.2575	-0.1420	0.217795
Lpar2	chr8:69822428-69831102	0.9984	1.4372	0.5255	0.058994
Zfp212	chr6:47920475-47932639	7.4643	9.1861	0.2994	0.058078
Rab27a	chr9:73044864-73097592	50.1221	56.3526	0.1690	0.029288
Ikbg	chrX:74393289-74453854	12.0210	14.1406	0.2343	0.209619
Topors	chr4:40259600-40269850	25.4904	29.3289	0.2024	0.101705
Clic5	chr17:44188571-44280168	0.0401	0.1723	2.1027	0.178169
Dcp1a	chr14:30479564-30527056	15.5125	13.8083	-0.1679	0.056577
Spag4	chr2:156065174-156070617	0.6140	0.2507	-1.2921	0.205101
Leo1	chr9:75441523-75466432	21.7497	18.4192	-0.2398	0.214572
Mrps24	chr11:5703982-5715680	19.7666	25.7351	0.3807	0.277579
Rab5c	chr11:100715008-100738215	69.9076	80.3648	0.2011	0.197981
Atxn7l1	chr12:33147692-33375659	6.1988	5.0075	-0.3079	0.446581
Ahsa1	chr12:87266745-87273997	110.3525	94.4979	-0.2238	0.405265
Gimap4	chr6:48684548-48692060	787.4388	873.8897	0.1503	0.104854
Chchd4	chr6:91464275-91473423	17.9189	14.0696	-0.3489	0.224141
Klhl42	chr6:147091378-147112778	14.5916	12.9429	-0.1730	0.115270

Ap3s2	chr7:79875331-79920640	5.2078	6.2965	0.2739	0.062575
Ngrn	chr7:80261214-80265374	22.1083	18.6989	-0.2416	0.080923
Tomt	chr7:101898372-101906359	4.0902	5.4832	0.4229	0.104826
Nucb2	chr7:116504368-116540554	5.0218	6.7522	0.4272	0.191916
Nek1	chr8:60993194-61131346	3.5500	2.8812	-0.3011	0.189866
Cd97	chr8:83723250-83741326	160.6941	146.5805	-0.1326	0.250662
Usp4	chr9:108347830-108392529	53.5385	48.5982	-0.1397	0.119077
Pfkfb4	chr9:108991901-109032223	1.3655	2.0121	0.5593	0.106802
Wtap	chr17:12966795-12992546	21.7506	19.4434	-0.1618	0.109868
Zfp945	chr17:22846696-22867134	6.9499	8.6924	0.3228	0.330938
Gm16712	chr17:55954770-55959381	2.0176	3.1852	0.6587	0.092160
Lzts2	chr19:45015175-45027104	1.8663	2.7421	0.5551	0.147227
Akt3	chr1:177020072-177258203	15.2874	18.2576	0.2562	0.235880
Nr6a1	chr2:38723369-38927688	0.6690	1.0300	0.6225	0.188663
Gm14239	chr2:155459500-155460892	4.7352	2.5288	-0.9050	0.164601
Trim33	chr3:103279292-103358768	18.9422	16.8540	-0.1685	0.230908
Otud6b	chr4:14809497-14826587	11.3882	9.0515	-0.3313	0.275392
D630039A03Rik	chr4:57908482-57916297	5.1871	7.7742	0.5838	0.380680
Samd11	chr4:156246972-156255338	22.1799	19.0368	-0.2205	0.207310
Kdm4d	chr9:14462547-14500482	0.1344	0.5107	1.9256	0.186971
Rapgef3	chr15:97744769-97767972	0.0694	0.2172	1.6470	0.148999
Anxa1	chr19:20373427-20390944	1.3896	2.5139	0.8553	0.256008
Marcks	chr10:37133374-37138920	1.3963	2.0305	0.5402	0.067355
Smpd2	chr10:41485641-41490369	13.3001	15.5171	0.2224	0.099920
Gm26765	chr10:91149514-91150594	37.5864	46.6160	0.3106	0.184223
Rab1	chr11:20201431-20226856	20.2954	23.9682	0.2400	0.216547
Dnaaf2	chr12:69189086-69198429	6.9141	8.8614	0.3580	0.230187
Arg2	chr12:79130776-79156301	0.9800	2.0331	1.0528	0.311592
9230114K14Rik	chr5:52190680-52197984	1.1875	0.4567	-1.3784	0.230222
Impdh1	chr6:29200433-29216364	17.8924	14.4465	-0.3086	0.413722
Hdac11	chr6:91156664-91174692	0.3941	0.7170	0.8633	0.047690
Csgalnact1	chr8:68356780-68735146	0.6740	1.1212	0.7343	0.224563
Vps13c	chr9:67840395-67995634	18.3714	15.5289	-0.2425	0.460888
Dync1li1	chr9:114688789-114724302	35.7823	40.8677	0.1917	0.046806
Foxp3	chrX:7579675-7595243	35.7549	30.6503	-0.2222	0.428160
Prps2	chrX:167346321-167382749	32.5125	38.5070	0.2441	0.281759
Tmem186	chr16:8633883-8637712	10.9135	13.4368	0.3001	0.147392
Fbxo40	chr16:36963459-36990467	1.3088	0.8993	-0.5414	0.122884
Zbtb21	chr16:97947434-97962621	5.5518	6.6948	0.2701	0.095233
Map3k11	chr19:5689130-5702862	23.1202	19.4204	-0.2516	0.389807
March5	chr19:37207542-37222139	18.0518	21.2588	0.2359	0.033225
Cd46	chr1:195041284-195092248	3.1646	2.1567	-0.5532	0.237284
Phf20	chr2:156196465-156309952	5.8902	5.1786	-0.1857	0.009797
Mmp9	chr2:164940779-164955850	1.4248	2.3600	0.7281	0.257763
Erp44	chr4:48193322-48279558	20.8932	18.1093	-0.2063	0.247995
Ppp1r8	chr4:132826928-132843169	25.5272	29.7271	0.2197	0.131313
Gm20506	chr17:34249056-34250264	1.7628	0.4287	-2.0397	0.172779
D130043K22Rik	chr13:24845134-24901270	0.1719	0.4282	1.3168	0.095017
Ppp2r5b	chr19:6227764-6235872	4.3010	5.8079	0.4334	0.214990
9930021J03Rik	chr19:29714401-29806009	8.5747	7.4562	-0.2016	0.198791
Cd5	chr19:10718142-10738974	251.1664	280.5156	0.1594	0.160552
Vps37a	chr8:40511782-40551134	15.2145	13.2941	-0.1947	0.264322
Rab14	chr2:35180204-35201120	28.2193	24.9030	-0.1804	0.283656
Ranbp9	chr13:43402672-43480973	43.8355	39.4286	-0.1529	0.110928
Acaca	chr11:84129671-84401651	4.6925	3.8771	-0.2754	0.316759
Sec61b	chr4:47474657-47483242	22.2389	29.2744	0.3966	0.289276
Gm5805	chr15:81972389-81972845	4.9235	9.7954	0.9924	0.131550
Gm25951	chr4:140717042-140717106	100.0858	62.2800	-0.6844	0.219540
B230322F03Rik	chr7:35555366-35556935	1.5367	2.6000	0.7587	0.119065
Mlh1	chr9:111228227-111271608	13.0633	11.3032	-0.2088	0.148546
Ddx31	chr2:28840405-28905571	13.3421	11.4747	-0.2175	0.106714
Hcn3	chr3:89146073-89160196	1.0080	0.5867	-0.7808	0.147277
Ppp6r2	chr15:89253034-89286261	22.5799	26.6053	0.2367	0.194152
Cdkn2aip	chr8:47709343-47713931	13.5522	16.3771	0.2731	0.207106
Mthfd1l	chr10:3973117-4167081	30.5652	27.2202	-0.1672	0.228425
Hivep2	chr10:13966378-14151376	33.8423	30.7347	-0.1390	0.221962
Parpbp	chr10:88091431-88146941	3.3194	4.4870	0.4348	0.171349
Zmiz2	chr11:6389073-6406158	12.4525	10.2464	-0.2813	0.370274
Commd1	chr11:22834743-22982382	29.6141	33.0610	0.1588	0.046520
Grap	chr11:61653264-61672784	108.0632	121.2549	0.1662	0.097817
Gpr22	chr12:31706866-31713947	0.9855	1.6168	0.7142	0.295088

Arhgap5	chr12:52516076-52567852	11.4295	13.7434	0.2660	0.233444
Klh28	chr12:64942439-64965536	16.5324	14.3867	-0.2006	0.013223
Zfp738	chr13:67667436-67687071	7.4434	6.3064	-0.2391	0.105880
Cdk6	chr5:3343892-3523218	20.3161	17.1823	-0.2417	0.326471
Corin	chr5:72300024-72504473	0.4287	0.1798	-1.2541	0.243968
Cdk2ap1	chr5:124345416-124354671	3.1957	2.0223	-0.6601	0.141564
Gm15350	chr8:12828334-12833865	11.0197	6.5857	-0.7427	0.326984
Snx20	chr8:88626827-88636128	32.9626	39.2970	0.2536	0.172941
Chtf8	chr8:106883862-106893601	58.0330	51.8240	-0.1633	0.247161
Cox7a2	chr9:79755240-79759853	62.2142	80.2023	0.3664	0.357703
Fam212a	chr9:107984226-107985879	5.6370	3.6546	-0.6252	0.233218
Cmc1	chr9:118064528-118150196	12.1242	16.1688	0.4153	0.232440
Traj6	chr14:54212687-54212749	177.4227	131.8043	-0.4288	0.070363
Trim13	chr14:61598225-61605946	5.1016	3.6717	-0.4745	0.076714
Ppp2r2a	chr14:67014056-67072471	8.6472	7.0475	-0.2951	0.276494
Mir17hg	chr14:115042878-115046727	19.4425	15.8214	-0.2973	0.438658
Gm10505	chr17:27342459-27344825	7.1550	10.2974	0.5252	0.219353
AI413582	chr17:27563574-27565749	15.5711	19.5192	0.3260	0.154372
Egfl8	chr17:34613348-34615971	3.1181	1.9827	-0.6532	0.135983
Trim39	chr17:36258872-36272247	16.1237	14.2453	-0.1787	0.239876
2410015M20Rik	chr17:56607451-56609771	45.4835	58.4211	0.3611	0.331298
Litaf	chr16:10959274-11066157	17.6260	21.4536	0.2835	0.284631
Cd200r3	chr16:44943677-44981380	0.2780	0.5621	1.0157	0.330648
4932438H23Rik	chr16:91053934-91095122	0.4613	0.9055	0.9728	0.129456
Gm21970	chr16:91391720-91419451	53.3170	63.0341	0.2415	0.121827
Gm17090	chr1:91305091-91321101	9.1059	13.9403	0.6144	0.126451
Yod1	chr1:130717326-130722055	9.1224	7.6056	-0.2623	0.190793
Bpnt1	chr1:185332148-185357777	6.6625	5.0962	-0.3867	0.155107
Mbd5	chr2:48949509-49322284	3.5181	2.9019	-0.2778	0.316840
Mfap1b	chr2:121460234-121474067	3.5565	4.8846	0.4578	0.213324
Xkr8	chr4:132724896-132732546	2.9840	2.2588	-0.4017	0.095207
Noc2l	chr4:156236009-156247616	73.8120	66.6495	-0.1473	0.231207
Mir1982	chr10:80828796-80828870	7.7352	20.7322	1.4224	0.054712
Gm26943	chr13:112884225-112885182	3.4171	1.3670	-1.3218	0.345223
Ncr1	chr7:4337723-4345164	0.2497	0.8698	1.8005	0.059700
Tenm1	chrX:42527865-43429126	0.1542	0.3196	1.0517	0.161529
Papss2	chr19:32620004-32667187	0.3398	0.8411	1.3077	0.109018
S100g	chrX:162961991-162964599	0.3115	1.9222	2.6255	0.414181
Nefh	chr11:4938753-4948064	10.6956	8.7359	-0.2920	0.327435
Ctdnep1	chr11:69981155-69990601	13.6507	16.6981	0.2907	0.135521
Snx11	chr11:96767554-96777559	14.7895	12.7290	-0.2165	0.235911
Gm20498	chr12:81358859-81532905	11.6504	14.7707	0.3424	0.327578
Simc1	chr13:54503778-54551290	6.7565	5.5480	-0.2843	0.294109
Phb2	chr6:124712335-124716950	55.1168	49.5424	-0.1538	0.268531
Ncapd2	chr6:125168008-125191595	28.5040	33.3026	0.2245	0.263981
Rsf1os2	chr7:97650009-97696828	2.6294	1.9085	-0.4623	0.163698
Dkk3	chr7:112116018-112159057	0.4355	0.1129	-1.9476	0.173074
Armcx3	chrX:134756594-134761455	1.3243	0.7851	-0.7542	0.191362
Hdac7	chr15:97792663-97844502	28.1092	24.3020	-0.2100	0.371741
Fam186b	chr15:99271017-99287180	0.6678	0.2099	-1.6698	0.232005
Bloc1s2	chr19:44139265-44146446	2.6274	5.4141	1.0431	0.089117
3300002I08Rik	chr2:150310934-150362765	2.3770	3.6445	0.6166	0.243897
1500002C15Rik	chr4:155732547-155734627	10.9735	14.0295	0.3544	0.228024
AF357399	chr7:28351507-28351632	13.5748	5.0221	-1.4346	0.189413
Ncbp1	chr4:46138612-46172403	51.7992	46.7704	-0.1473	0.157971
Oprm1	chr10:6758505-7038198	2.0284	1.4227	-0.5117	0.408289
Ccdc138	chr10:58497969-58576242	1.0965	1.7580	0.6811	0.033843
Cactin	chr10:81321102-81326251	24.2936	20.7909	-0.2246	0.280591
Dohh	chr10:81384427-81391560	10.9661	8.4254	-0.3802	0.446957
Tsfm	chr10:127011571-127030840	7.8562	6.3590	-0.3050	0.106967
Myl6	chr10:128490859-128493875	120.7205	139.2401	0.2059	0.124890
Ccdc117	chr11:5528886-5542187	20.9624	17.8657	-0.2306	0.297533
Purb	chr11:6467598-6476076	46.9714	42.6685	-0.1386	0.245937
Gm11999	chr11:11642202-11685400	3.3289	1.8092	-0.8797	0.030174
Wdr92	chr11:17182106-17233796	21.3992	18.3531	-0.2215	0.218116
Hist3h2bb-ps	chr11:58954047-58954512	15.4112	22.8308	0.5670	0.279023
Sarm1	chr11:78472329-78497754	0.1139	0.3026	1.4098	0.082085
Tmem97	chr11:78541816-78550777	9.5318	7.3015	-0.3846	0.085993
Dhx40	chr11:86768845-86807696	20.7003	24.1096	0.2200	0.198744
Rpl19	chr11:98026709-98030492	9.3209	13.0598	0.4866	0.203553
Lrrc45	chr11:120713924-120721128	13.0943	11.1147	-0.2365	0.196748

Fn3krp	chr11:121421400-121431288	4.1756	5.8411	0.4842	0.191620
Acp1	chr12:30893325-30911612	8.3020	6.5297	-0.3465	0.320523
Hist1h2ad	chr13:23574380-23574952	5.5294	9.8068	0.8267	0.268389
Dek	chr13:47084774-47106201	75.0401	85.9974	0.1966	0.258938
Gadd45g	chr13:51846677-51848468	6.1690	9.2799	0.5891	0.251744
A830009L08Rik	chr13:91368987-91388085	0.7217	0.3330	-1.1158	0.172403
Arsb	chr13:93771678-93943016	1.8397	2.7970	0.6044	0.216865
Magi2	chr5:19227045-20704798	0.6645	0.9864	0.5699	0.148594
Oas1c	chr5:120800193-120812514	12.5375	10.2130	-0.2958	0.274199
Foxk1	chr5:142401496-142462014	12.4079	10.8319	-0.1960	0.286126
Ephb6	chr6:41605481-41620509	18.2561	15.8625	-0.2028	0.225726
Brk1	chr6:113604771-113616948	88.5479	105.2941	0.2499	0.281578
Ing4	chr6:125039759-125051499	13.6302	12.0643	-0.1761	0.189960
Six5	chr7:19094593-19098549	0.7101	1.2558	0.8225	0.139030
Gm15567	chr7:27249262-27257932	3.6189	2.2318	-0.6974	0.394752
Klf13	chr7:63886350-63938915	29.8836	26.6581	-0.1648	0.293425
Whamm	chr7:81571291-81596836	9.7896	11.7918	0.2685	0.079087
Relt	chr7:100845847-100863446	11.2092	9.2587	-0.2758	0.276297
Lhpp	chr7:132610637-132706420	1.2543	2.5371	0.1064	0.102298
Tti2	chr8:31150315-31164702	15.2486	13.0400	-0.2257	0.350249
Mak16	chr8:31159467-31168724	72.6159	63.8588	-0.1854	0.296911
Gm26768	chr8:34094547-34096149	9.4079	12.9118	0.4568	0.171048
Armc6	chr8:70220171-70234466	4.0305	3.0911	-0.3828	0.119045
Rbl2	chr8:91070056-91123844	37.6551	42.2458	0.1660	0.109111
Gm17709	chr8:121972726-121973822	2.7383	1.2604	-1.1194	0.418007
Phldb1	chr9:44686303-44735198	1.3366	0.8291	-0.6889	0.407660
Plxb1	chr9:109095435-109119911	0.7010	0.9977	0.5092	0.178711
Wdr48	chr9:119894894-119926579	27.1303	31.4049	0.2111	0.193555
Araf	chrX:20797813-20860519	20.6339	18.2921	-0.1738	0.256950
Snord83b	chr15:80078497-80078591	44.3297	26.5681	-0.7386	0.184464
Dennd6b	chr15:89182216-89196474	6.5028	5.3732	-0.2753	0.183936
Zcchc24	chr14:25711639-25768856	1.1757	0.7137	-0.7201	0.118240
Nedd8	chr14:55662264-55671906	107.0957	129.2666	0.2714	0.293582
Sap18	chr14:57798179-57804980	5.8868	7.3799	0.3261	0.140789
Rnaseh2b	chr14:62292588-62372992	5.3644	6.6148	0.3023	0.168116
Gpalpp1	chr14:76086231-76110815	16.5489	19.3443	0.2252	0.225499
Klf12	chr14:99874485-100149764	0.8114	0.2889	-1.4898	0.081330
3300005D01Rik	chr17:5798656-5803240	1.4886	0.6983	-1.0920	0.151969
Tsr3	chr17:25240169-25242798	20.9838	25.7177	0.2935	0.091633
Gm26693	chr17:32810143-32821697	3.7330	5.9279	0.6672	0.103444
Pram1	chr17:33638055-33645706	0.8924	1.6349	0.8734	0.254995
Gm8909	chr17:36164442-36168537	1.0912	1.9715	0.8533	0.098247
Cript	chr17:87025549-87035810	13.7014	17.2468	0.3320	0.170763
Gm15564	chr16:35966751-35983230	137.1303	56.7457	-1.2730	0.168777
Mrpl39	chr16:84717575-84735742	17.5334	21.5754	0.2993	0.253233
Mx1	chr16:97447034-97462907	7.8811	16.8896	1.0997	0.170168
Fth1	chr19:9982702-9985092	117.8098	144.8972	0.2986	0.390931
Cntf	chr19:12763659-12765632	6.1389	3.9724	-0.6280	0.241424
Fra10ac1	chr19:38188480-38224138	6.2809	8.8076	0.4878	0.166653
Tram1	chr1:13564701-13589864	133.1136	148.2294	0.1552	0.095609
Eif5b	chr1:37998009-38055579	10.4349	8.9567	-0.2204	0.301929
Galnt1	chr18:24205343-24286818	33.1535	37.4891	0.1773	0.118730
Txn14a	chr18:80206794-80223533	20.4627	17.1078	-0.2583	0.252606
Tor4a	chr2:25192965-25196886	45.7526	52.5804	0.2007	0.217319
Rc3h2	chr2:37370068-37422903	18.0232	16.2939	-0.1455	0.203227
Fastkd1	chr2:69686814-69713516	4.2584	3.5005	-0.2827	0.082786
Sestd1	chr2:77180339-77280592	0.9118	0.6058	-0.5899	0.248058
Mga	chr2:119897227-119969581	24.4872	21.8732	-0.1629	0.307651
Dut	chr2:125247189-125258608	23.8965	29.4646	0.3022	0.291798
Gm14024	chr2:129246375-129268526	1.1317	3.1220	1.4640	0.231613
Gm20458	chr2:164460966-164490760	12.1122	16.6003	0.4547	0.312792
Gcnt7	chr2:172450312-172458596	6.9028	5.2101	-0.4059	0.236006
9230112E08Rik	chr2:180984231-180985591	8.3962	6.3919	-0.3935	0.023860
Gm7799	chr3:37959611-37960087	3.8003	1.7344	-1.1317	0.048626
Etfdh	chr3:79603787-79628863	6.6166	7.8908	0.2541	0.150539
Gm8813	chr3:84552857-84553452	2.2469	0.4931	-2.1881	0.269645
4632404H12Rik	chr3:89767510-89773240	5.0417	3.8841	-0.3763	0.120979
Acp6	chr3:97158776-97176574	5.9940	4.9712	-0.2699	0.091296
Chd7	chr4:8690405-8867659	13.5774	11.9843	-0.1801	0.333883
Bach2os	chr4:32559679-32571708	4.2354	2.9651	-0.5144	0.175490
Gba2	chr4:43566927-43578873	15.2000	13.4590	-0.1755	0.035757

Ndc1	chr4:107367783-107416346	5.7476	7.3441	0.3536	0.287634
Atp13a2	chr4:140986872-141007330	10.5932	8.9787	-0.2386	0.305092
Cd300lf	chr11:115116213-115133992	0.0623	0.2256	1.8565	0.080898
Gm27011	chr8:121949673-121950645	0.8472	2.3222	1.4547	0.259435
Sh2d4b	chr14:40813788-40893266	0.1061	0.3530	1.7337	0.053234
Gm5464	chr14:66868849-66871005	0.5151	1.4354	1.4785	0.158171
Atp6v0c	chr17:24163865-24169702	0.9203	1.8489	1.0065	0.121939
Otos	chr1:92644217-92648841	0.2354	0.6056	1.3631	0.157299
Gm22710	chr1:118459140-118459265	5.7162	13.4766	1.2373	0.374095
Gm15423	chr1:176927998-176932711	0.9033	0.2458	-1.8777	0.290576
mt-Tl1	chrM:2675-2750	4.5554	16.5763	1.8635	0.155308
Gm11488	chr4:73497614-73498477	1.3234	0.3367	-1.9749	0.274554
Nudt17	chr3:96705891-96708560	0.3402	1.1142	1.7117	0.110836
Dhx9	chr1:153455757-153487660	36.4426	32.2647	-0.1757	0.303582
Ulbp1	chr10:7444872-7473477	8.1628	6.1916	-0.3987	0.181946
Gm17039	chr13:67360670-67365679	5.9663	4.7910	-0.3165	0.299469
Art3	chr5:92331826-92414628	1.0021	1.5012	0.5831	0.059197
Zfp319	chr8:95326136-95331950	8.9361	7.0845	-0.3350	0.383331
Pcsk7	chr9:45906568-45929692	17.5216	20.3417	0.2153	0.113071
Gm20529	chr9:108051674-108058592	45.5698	61.3434	0.4288	0.117363
Sat1	chrX:155213131-155216449	31.4338	36.8641	0.2299	0.268453
Dazap2	chr15:100615627-100620731	70.0954	81.5210	0.2179	0.271571
Traj11	chr14:54207138-54207197	171.8017	111.3678	-0.6254	0.397200
Tceb2	chr17:23824739-23829109	95.7709	115.9501	0.2758	0.270739
Lpp	chr16:24393349-24992576	3.2899	2.6905	-0.2902	0.366116
Eprs	chr1:185363094-185428355	77.6011	67.4717	-0.2018	0.450799
Trdmt1	chr2:13509013-13544664	3.2876	4.3529	0.4049	0.148922
Fbxo3	chr2:104027720-104063240	12.2851	14.0752	0.1963	0.095345
Arhgap11a	chr2:113831491-113848661	4.8387	5.9513	0.2986	0.155340
Eid1	chr2:125673099-125675638	19.4367	24.6100	0.3405	0.375413
Lrrc16a	chr13:24012343-24280795	0.1279	0.2946	1.2039	0.115009
Tnfrsf11a	chr1:105780722-105847981	0.0605	0.2045	1.7570	0.141504
5031425E22Rik	chr5:23431809-23433919	25.7028	22.0428	-0.2216	0.219886
Gpx7	chr4:108400389-108406961	0.2960	1.0060	1.7649	0.050583
Kat6a	chr8:22859534-22943259	25.6380	21.9800	-0.2221	0.474498
Nol9	chr4:152039320-152061494	19.6637	17.0604	-0.2049	0.349804
Sarnp	chr10:128821770-128877638	15.0007	11.3881	-0.3975	0.240641
Gm26920	chr7:30056033-30090410	6.5481	5.2040	-0.3314	0.043643
Cyfp1	chr7:55841744-55930700	13.8836	16.6474	0.2619	0.332933
Tango6	chr8:106683067-106851439	3.6633	2.8070	-0.3841	0.254690
Lrrc16b	chr14:55491092-55508246	0.5821	0.3016	-0.9486	0.198247
Qk	chr17:10206470-10319361	11.3738	10.0677	-0.1760	0.268703
Cd244	chr1:171559192-171585318	0.7703	0.3989	-0.9493	0.190618
Cpsf3l	chr4:155869545-155889103	30.4500	26.9931	-0.1738	0.190386
Pwp1	chr10:85871830-85889096	28.0127	23.7044	-0.2409	0.352846
Mbtps1	chr8:119508155-119558761	47.2220	41.9933	-0.1693	0.336836
Vps37b	chr5:124004640-124032260	25.5420	29.7000	0.2176	0.109806
Grcc10	chr6:124739182-124741374	40.0221	47.4190	0.2447	0.301528
NA	chr7:27984855-27985796	4.5052	2.6193	-0.7824	0.215359
Tex9	chr9:72458054-72491959	4.4852	3.4982	-0.3586	0.262557
Rgs2	chr1:143999337-144004161	3.8678	5.0964	0.3979	0.207322
Trp53i11	chr2:93187547-93201759	22.3960	26.9642	0.2678	0.339268
Tmem159	chr7:120102375-120120992	0.8056	1.7444	1.1146	0.099723
Khdc1a	chr1:21349640-21352200	0.2699	0.7431	1.4612	0.071429
Gm18856	chr13:13964486-13965860	0.2293	0.7869	1.7787	0.300608
Rmi2	chr16:10835058-10892966	4.0206	3.0194	-0.4131	0.327707
Krtcap2	chr3:89245965-89249722	31.2634	37.1015	0.2470	0.082392
Pigx	chr16:32084419-32099738	23.3919	27.6667	0.2421	0.163896
Nmnat1	chr4:149467571-149485202	1.9249	2.9189	0.6006	0.183604
Traj33	chr14:54185357-54185414	6.7431	23.3157	1.7898	0.111399
Adarb1	chr10:77290725-77418270	0.8720	0.6144	-0.5052	0.221816
Nap11l	chr10:111473191-111498142	22.1167	19.2861	-0.1976	0.335601
Mrpl22	chr11:58171660-58179565	14.4228	10.9920	-0.3919	0.183460
Gm16062	chr11:59810079-59818491	21.4525	28.0771	0.3883	0.238842
Adprm	chr11:67037904-67052594	13.3407	16.0671	0.2683	0.031251
Sebox	chr11:78503448-78505081	1.4846	0.4820	-1.6231	0.222110
Ptges3l	chr11:101418811-101425333	0.8356	1.4656	0.8106	0.037128
Gm16045	chr11:117257648-117263437	1.0939	0.5906	-0.8893	0.219111
Cbl1l	chr12:31484828-31499616	3.6472	2.7894	-0.3868	0.201655
Gfod1	chr13:43195518-43304172	8.8871	7.5777	-0.2300	0.297230
Zfp783	chr6:47943170-47955913	3.0627	2.3267	-0.3965	0.261801

Rpl32	chr6:115805504-115808747	438.9650	528.7812	0.2686	0.406649
Gm17077	chr7:30955824-30958004	10.8026	16.9339	0.6485	0.080811
Smpd1	chr7:105554359-105558388	11.8070	14.5023	0.2966	0.206645
Fus	chr7:127967456-127982368	15.1950	12.5985	-0.2703	0.447004
Pcid2	chr8:13077188-13105459	10.3367	12.5677	0.2819	0.172752
Cbfb	chr8:105170673-105217986	82.3559	94.6847	0.2013	0.265691
Zfp266	chr9:20495067-20521417	20.8935	18.6056	-0.1673	0.274944
Gm14820	chrX:8049171-8074619	6.0339	4.5128	-0.4191	0.078425
Ngly1	chr14:16249279-16311926	17.3604	20.4134	0.2337	0.255428
Fam98a	chr17:75537085-75551946	7.7188	6.3296	-0.2863	0.128635
Msh6	chr17:87975049-87990883	44.7968	39.5528	-0.1796	0.345430
Vegfb	chr19:6982472-6987651	4.0060	2.6501	-0.5961	0.190977
Grpel2	chr18:61712439-61726331	11.1521	9.5867	-0.2182	0.150827
Gm15979	chr4:135430125-135430841	3.1274	1.2863	-1.2817	0.265274
Gm15326	chr13:111867935-111874730	1.5792	3.2370	1.0355	0.157996
Cbfa2t3	chr8:122628738-122699109	0.3243	0.0865	-1.9060	0.184021
Ino80c	chr18:24104756-24121953	17.7217	20.9101	0.2387	0.135329
Camta1	chr4:150917321-151861876	0.8414	0.6350	-0.4060	0.078295
Hpcal1	chr12:17690813-17791926	20.6313	25.2585	0.2919	0.262166
Gm26596	chr10:112928500-112931155	2.6233	3.7483	0.5148	0.169226
Ap1b1	chr11:4986823-5042791	23.6875	20.9388	-0.1779	0.284149
Cfap36	chr11:29221531-29247409	8.7982	11.0462	0.3283	0.256809
Arhgap27	chr11:103331496-103363692	16.1824	13.7266	-0.2374	0.408115
Pitpnc1	chr11:107207891-107470699	25.1965	22.6629	-0.1529	0.202330
Snord1a	chr11:116674597-116674671	21.3142	7.1570	-1.5744	0.105512
Entpd5	chr12:84373856-84409029	13.3096	11.8511	-0.1674	0.097623
Eml5	chr12:98786603-98901484	8.0715	7.0936	-0.1863	0.229853
Ptpn13	chr5:103425191-103598359	16.3799	19.7150	0.2674	0.373529
1700028K03Rik	chr5:107508943-107551549	1.1589	1.6601	0.5184	0.335523
Suds3	chr5:117091681-117115993	39.4551	45.5414	0.2070	0.183907
Rbm19	chr5:120116509-120197979	17.8753	15.4276	-0.2125	0.210555
Limk1	chr5:134656038-134688590	3.1261	3.9209	0.3268	0.213722
Exoc4	chr6:33249084-33973979	13.0151	11.6684	-0.1576	0.258605
Nup210	chr6:91013067-91116829	88.9908	81.2238	-0.1318	0.309095
Irf2bp1	chr7:19004064-19006761	14.2593	11.5795	-0.3003	0.319777
Clptm1	chr7:19631580-19665030	23.0998	26.6564	0.2066	0.220925
Pvr	chr7:19903577-19921160	7.1891	6.0993	-0.2372	0.173882
Dyrk1b	chr7:28179468-28187294	6.1464	4.7053	-0.3855	0.244566
Zfp566	chr7:30077336-30090527	4.4890	3.1125	-0.5283	0.183507
Kdelr1	chr7:45872771-45883731	18.5673	22.4448	0.2736	0.178478
Gm6415	chr7:81161396-81161744	1.0082	3.1200	1.6297	0.108024
Nars2	chr7:96951504-97064761	4.8453	3.8757	-0.3221	0.198362
Hirip3	chr7:126861971-126865377	9.0908	7.5275	-0.2722	0.129476
Psmc13	chr7:140881967-140898643	21.3456	24.8027	0.2166	0.162514
Pcp2	chr8:3623370-3625545	3.0525	1.9310	-0.6606	0.217310
Nr3c2	chr8:76899441-77245012	0.2853	0.5133	0.8472	0.172069
Piezo1	chr8:122481697-122551329	12.3186	10.6432	-0.2109	0.403912
Rab39	chr9:53684109-53706232	0.4221	0.1675	-1.3338	0.091263
Clcn5	chrX:7153809-7319358	1.7416	1.3384	-0.3799	0.280331
Gyk	chrX:85701936-85776819	1.3675	0.9554	-0.5174	0.229674
A630033H20Rik	chrX:107148926-107173661	4.2194	5.8035	0.4599	0.362149
Med30	chr15:52712444-52730431	34.2108	42.5289	0.3140	0.236845
Chrac1	chr15:73090391-73097554	14.4700	17.3664	0.2632	0.156154
Slc48a1	chr15:97784354-97792692	16.1146	13.5066	-0.2547	0.272289
Asb8	chr15:98134636-98165625	8.5867	10.6705	0.3134	0.146372
Gm28047	chr15:102536653-102625421	3.2118	4.5831	0.5130	0.241500
Psmc6	chr14:45329823-45349071	69.0746	83.0734	0.2662	0.381422
Spryd7	chr14:61531992-61556886	2.4267	3.2524	0.4225	0.117837
Xpo7	chr14:70654245-70766628	10.9082	9.9048	-0.1392	0.126624
Lpar6	chr14:73237890-73240358	33.1413	38.3824	0.2118	0.195550
Acat3	chr17:12923832-12940402	31.4577	27.0557	-0.2175	0.336155
Zbtb12	chr17:34879482-34896842	2.4830	1.5214	-0.7066	0.288439
Vars	chr17:35000986-35016322	39.5951	34.8454	-0.1844	0.379314
Top3b	chr16:16870735-16892990	11.3355	10.0691	-0.1709	0.194233
Crkl	chr16:17451986-17486255	27.4234	24.4221	-0.1672	0.200448
Ppp1r14b	chr19:6975047-6977324	18.0428	13.9403	-0.3722	0.248528
Uhrf2	chr19:30030512-30093722	21.2038	23.8720	0.1710	0.124147
Pcgf5	chr19:36379066-36456192	19.8725	16.8082	-0.2416	0.138621
Sec31b	chr19:44516956-44545864	2.0258	1.3412	-0.5950	0.372160
4732440D04Rik	chr1:6213292-6214590	6.5252	11.2117	0.7809	0.300292
Kansl3	chr1:36335729-36369181	19.4410	17.0737	-0.1873	0.274307

Slc39a10	chr1:46807543-46854046	7.0283	5.5675	-0.3361	0.429393
Cab39	chr1:85793440-85851576	129.3655	145.5147	0.1697	0.240158
Dgkd	chr1:87853286-87944489	46.4701	42.7742	-0.1196	0.071248
Rgs16	chr1:153740348-153745468	17.7849	21.8210	0.2951	0.292632
Nit1	chr1:171338007-171345646	16.3906	14.4909	-0.1777	0.144330
Tsc1	chr2:28641227-28691167	7.0725	6.1720	-0.1965	0.318382
Pkig	chr2:163658385-163726158	0.4075	0.7327	0.8462	0.109082
She	chr3:89831369-89858834	2.5627	3.3567	0.3894	0.186444
Snapi	chr3:90488025-90491033	25.4553	29.3840	0.2071	0.051189
Pogz	chr3:94837566-94882326	6.2518	5.3924	-0.2134	0.255017
Strip1	chr3:107612531-107631710	25.9768	22.8228	-0.1867	0.258902
Gm568	chr4:47008315-47010781	3.9678	1.4355	-1.4668	0.385473
Gm12577	chr4:58483251-58483825	4.0552	1.3383	-1.5994	0.216537
Kif2c	chr4:117159638-117182639	5.6073	7.0519	0.3307	0.298261
Snord85	chr4:130749633-130749706	15.7098	4.3075	-1.8667	0.235899
Cdc42	chr4:137319695-137357720	201.1586	228.7662	0.1855	0.279280
Muc5b	chr7:141839071-141873085	0.0144	0.0595	2.0502	0.178828
Neil2	chr14:63182442-63193541	1.1800	2.3213	0.9761	0.103654
Dync2li1	chr17:84626495-84655558	0.4606	1.3346	1.5349	0.342771
Gm4202	chr3:92689424-92690163	0.6366	2.0325	1.6748	0.054173
Gm26663	chr4:11321943-11342953	0.3710	0.9598	1.3712	0.251166
Gstt2	chr10:75831844-75834881	22.2369	17.9407	-0.3097	0.314100
Gm24265	chr5:115489458-115489599	313.3497	561.8055	0.8423	0.436940
Nsun5	chr5:135369952-135376805	9.8991	8.2657	-0.2602	0.178206
Lgals4	chr7:28833974-28841703	1.6804	2.7138	0.6915	0.142159
Cyb5b	chr8:107150660-107184740	36.9888	33.0136	-0.1640	0.258507
Cdv3	chr9:103353101-103365780	20.0037	17.3739	-0.2033	0.311607
Tmsb4x	chrX:167207092-167209315	974.6831	1286.4308	0.4004	0.265365
4930579G18Rik	chr14:54650510-54654607	28.3593	23.1654	-0.2918	0.246168
lqcb1	chr16:36828384-36872721	1.6301	2.2308	0.4526	0.170484
Plk3	chr4:117128654-117133963	15.5424	19.7098	0.3427	0.358461
Fnbp1l	chr3:122538718-122619667	0.0947	0.2774	1.5501	0.126954
BC001981	chr13:100108034-100108337	4.7474	1.5656	-1.6005	0.266046
Brat1	chr5:140705010-140719379	5.8062	6.9370	0.2567	0.120784
Gm15270	chr10:24549440-24597108	0.1145	0.4522	1.9814	0.151467
Hist1h2bk	chr13:22035820-22036299	57.5969	93.3647	0.6969	0.322096
Dlgap5	chr14:47387778-47418407	6.6399	8.1400	0.2939	0.288710
9130011E15Rik	chr19:45818143-45998488	5.2997	4.1614	-0.3488	0.128898
Uqcr11	chr10:80402996-80406830	32.1315	10.0082	0.3519	0.226356
Sh3bp1	chr15:78899666-78919032	25.3535	21.6827	-0.2256	0.419025
Ap3s1	chr18:46741916-46790826	4.4344	6.2404	0.4929	0.118536
Gnb1	chr4:155491360-155559269	41.2587	36.8326	-0.1637	0.298512
Ncf2	chr1:152807889-152836990	1.3610	2.4419	0.8433	0.146663
Mrpl44	chr1:79776017-79781445	17.7353	21.4248	0.2727	0.053067
Pigyl	chr9:22156845-22158358	3.7469	6.2892	0.7472	0.260742
Zfp41	chr15:75616678-75625300	6.0968	7.6656	0.3303	0.209129
Hsf1	chr15:76477444-76500972	21.7645	17.6750	-0.3003	0.411404
Lclat1	chr17:73107984-73243368	25.9087	29.1286	0.1690	0.039399
Popdc2	chr16:38362208-38378216	0.5264	1.0165	0.9494	0.157847
Gdpd1	chr11:87033866-87074062	0.5467	0.1598	-1.7742	0.168992
Uqcrf51	chr13:30540307-30545362	37.0642	44.9696	0.2789	0.261518
Vps25	chr11:101253706-101259549	25.9809	21.8930	-0.2470	0.245290
3110056K07Rik	chr12:70991614-71015832	18.0440	14.6280	-0.3028	0.215688
Paics	chr5:76951306-76967509	63.7418	55.6111	-0.1969	0.422482
Ccng2	chr5:93267256-93276231	20.5335	23.3582	0.1859	0.139154
Mrps18c	chr5:100798626-100804471	14.0304	18.9526	0.4338	0.296009
Atxn2l	chr7:126491707-126503437	19.3075	16.4042	-0.2351	0.363958
Slc26a6	chr9:108854036-108912558	4.3098	3.0674	-0.4906	0.268331
Fundc2	chrX:75382398-75396459	9.8542	12.9002	0.3886	0.344387
Fance	chr17:28313529-28326568	5.5088	6.8982	0.3245	0.130776
Med15	chr16:17651220-17722930	17.0431	13.9867	-0.2851	0.422985
Rpl35a	chr16:33056452-33060189	45.3169	55.3561	0.2887	0.438615
Insig2	chr1:121304352-121332589	7.3318	5.7743	-0.3445	0.321637
Adamtsl4	chr3:95676200-95687917	4.2812	3.2327	-0.4053	0.312596
4430402i18Rik	chr19:28901267-28967800	0.1488	0.4353	1.5492	0.287040
Hdhd3	chr4:62499007-62503467	1.5617	0.5955	-1.3908	0.283866
Rnu3a	chr10:40258466-40258678	160.1270	295.7267	0.8850	0.464565
Akirin1-ps	chr11:85216596-85217054	2.4381	0.6892	-1.8227	0.351874
Exd2	chr12:80463094-80498135	11.4043	9.7458	-0.2267	0.136253
Rbak	chr5:143172185-143180775	6.2712	7.6834	0.2930	0.113472
Rac1	chr5:143505477-143528036	68.0483	77.2121	0.1823	0.217611

Snora7a	chr6:115807974-115808114	52.5568	79.7465	0.6015	0.485517
Dmwd	chr7:19076248-19082776	1.0518	0.5252	-1.0020	0.224906
Map3k10	chr7:27656374-27674598	4.0045	3.0456	-0.3949	0.230278
Emc10	chr7:44489936-44496529	21.8476	25.4909	0.2225	0.187800
Arcn1	chr9:44741563-44767845	31.3468	28.3689	-0.1440	0.218579
Gm15511	chr9:69348888-69364247	3.9065	6.3715	0.7058	0.014367
Nufip1	chr14:76110890-76137379	12.2132	10.5649	-0.2092	0.128347
Gm5493	chr17:22739943-22751509	0.2735	0.7468	1.4495	0.150367
Stk16	chr1:75210837-75215606	18.4730	15.8411	-0.2217	0.310980
Hsd11b1	chr1:193221629-193264054	22.6389	26.1158	0.2061	0.064291
Dstn	chr2:143915319-143943324	15.0712	18.5633	0.3007	0.228348
Sypl2	chr3:108211471-108226648	0.5021	0.1937	-1.3740	0.269214
Gm12534	chr3:37231332-37232469	2.6628	6.3691	1.2581	0.242203
Adh1	chr3:138260990-138290698	0.1913	0.6191	1.6940	0.065890
Metap1	chr3:138458959-138489382	42.4696	37.5700	-0.1768	0.297039
Drg2	chr11:60454590-60468754	18.0653	15.4483	-0.2258	0.196746
Mir20a	chr14:115044156-115044263	12.7860	5.3002	-1.2705	0.081959
Gm28042	chr2:120027482-120043033	5.5750	4.7617	-0.2275	0.193028
Klh5	chr5:65107567-65168188	4.2667	5.2846	0.3087	0.124486
Mmp15	chr8:95352267-95374293	0.6277	0.2838	-1.1451	0.252900
Mtmr11	chr3:96162003-96171718	4.4136	3.3530	-0.3965	0.327134
Atg5	chr10:44268357-44364291	17.1885	21.2244	0.3043	0.297266
Bud31	chr5:145140361-145148078	41.2259	50.5379	0.2938	0.377181
Cyp2d22	chr15:82370527-82380260	1.4657	0.8873	-0.7242	0.194158
Mdc1	chr17:35841514-35859670	8.4161	7.2580	-0.2136	0.253406
Snord22	chr19:8725865-8725991	56.5294	90.0003	0.6709	0.399122
Klh17	chr4:156229043-156234857	14.8428	12.5396	-0.2433	0.297711
Sult2b1	chr7:45729982-45759612	1.8285	2.8385	0.6345	0.122297
Pnpla6	chr8:3515383-3544266	12.9968	11.3405	-0.1967	0.192878
Ube2v1	chr2:167607637-167632095	2.7275	1.8717	-0.5433	0.278556
Rpl22l1	chr3:28805435-28807352	57.6740	73.7163	0.3541	0.380788
Lims1	chr10:58323465-58424691	43.6784	49.2134	0.1721	0.161279
Sumo3	chr10:77606096-77641543	20.9961	24.6235	0.2299	0.289326
Mrps17	chr5:129715496-129718875	25.9819	22.1125	-0.2326	0.302542
Pnp	chr14:50944301-50965237	10.8613	13.0793	0.2681	0.192357
Fam46c	chr3:100451627-100489324	15.9485	18.6283	0.2241	0.299526
Apex2	chrX:150519518-150589868	3.8446	3.0746	-0.3224	0.354486
Ino80b	chr6:83121764-83125431	13.9136	10.9414	-0.3467	0.265043
Slc35d3	chr10:19847916-19851459	0.1711	0.4748	1.4725	0.074038
Slc7a6os	chr8:106200437-106210933	31.5040	27.4405	-0.1992	0.115591
Mapkbp1	chr2:119972698-120027408	4.7466	5.6279	0.2457	0.101990
Gnb2l1	chr11:48800331-48806434	270.0088	313.1303	0.2138	0.378275
Tex261	chr6:83768880-83775812	23.2563	20.6324	-0.1727	0.223884
1700058P15Rik	chr7:19258491-19259739	25.3746	17.8183	-0.5100	0.304565
Pgap2	chr7:102210207-102238567	7.9136	6.6388	-0.2534	0.201878
Trappc11	chr8:47490114-47533470	16.7438	15.0499	-0.1539	0.166166
Smim7	chr8:72565187-72571088	13.7152	15.9373	0.2166	0.028749
Prkar2a	chr9:108692142-108749512	4.9481	4.0323	-0.2953	0.088561
Trio	chr15:27730651-28025848	5.2034	4.5706	-0.1871	0.126598
Pced1b	chr15:97247106-97385689	14.1412	11.8828	-0.2510	0.190766
Zfp944	chr17:22337988-22361400	9.9894	12.2152	0.2902	0.201670
Hspbap1	chr16:35770385-35828446	4.2222	3.3416	-0.3375	0.203143
Cuedc2	chr19:46329811-46338660	7.6339	10.0105	0.3910	0.237226
Gm4955	chr1:173468508-173491041	16.1689	19.2221	0.2495	0.242830
Itpkb	chr1:180330484-180424802	55.8814	49.8161	-0.1658	0.418602
Pias2	chr18:77065207-77155708	13.3162	11.8075	-0.1735	0.146834
Madd	chr2:91137359-91183837	29.4289	26.1937	-0.1680	0.384822
Uckl1	chr2:181569148-181584892	16.6554	19.3222	0.2143	0.183060
Celf3	chr3:94478830-94492193	1.6686	0.9352	-0.8353	0.295206
Tuft1	chr3:94612756-94658872	1.3403	2.0409	0.6066	0.150048
St3gal3	chr4:117932153-118134914	1.8435	2.6630	0.5306	0.096706
Nkain1	chr4:130531601-130574173	0.7055	0.1825	-1.9506	0.232170
Gm26035	chrX:152923452-152923760	2.2692	4.9051	1.1121	0.005288
Saal1	chr7:46686107-46710680	2.5914	3.2339	0.3196	0.158670
Gm17388	chr4:136355773-136359440	4.4076	3.4003	-0.3743	0.225717
Il6ra	chr3:89869323-89913162	36.8772	33.0441	-0.1583	0.192941
Gm26636	chr6:87908842-87914459	21.6187	16.7616	-0.3671	0.403109
Fam50a	chrX:74313032-74320149	14.3058	11.8856	-0.2674	0.208778
Tmem176a	chr6:48841482-48845364	1.5885	2.7675	0.8009	0.045002
Tnfrsf1a	chr6:125349361-125362484	8.1262	6.4481	-0.3337	0.305588
Zdhhc3	chr9:123066159-123113205	9.8378	11.1620	0.1822	0.108841

Slmap	chr14:26413167-26534931	13.7505	12.1488	-0.1787	0.303116
Tubb6	chr18:67390716-67402748	2.2737	3.4339	0.5948	0.115827
Pofut2	chr10:77259299-77269586	16.4289	13.4267	-0.2911	0.351216
Nup37	chr10:88146991-88178388	11.7980	15.4880	0.3926	0.264994
lft20	chr11:78536360-78541737	22.7428	27.7489	0.2870	0.226866
Snx13	chr12:35047188-35147469	12.6154	14.4198	0.1929	0.107828
Prelid1	chr13:55322054-55325271	82.0146	97.4373	0.2486	0.334503
Nt5c3	chr6:56882399-56923932	11.5557	13.8490	0.2612	0.294837
Hmg20a	chr9:56418643-56496884	18.6000	16.4622	-0.1762	0.135488
E230001N04Rik	chr17:28523256-28525347	3.3158	4.6839	0.4984	0.188677
Pycr2	chr1:180904273-180908087	24.2643	30.1638	0.3140	0.331006
Pigs	chr11:78328414-78342782	19.6819	16.4339	-0.2602	0.350573
Gm10840	chr11:106160849-106161158	6.0977	2.7119	-1.1689	0.280608
Calu	chr6:29348068-29377110	32.3102	37.3338	0.2085	0.277510
Rplp1	chr9:61913283-61914538	1670.1607	1993.9821	0.2557	0.450326
Cysltr1	chrX:106574345-106603679	1.2476	0.7490	-0.7361	0.305847
Mcrs1	chr15:99242817-99251961	7.3100	9.1756	0.3279	0.019820
Plcb3	chr19:6953713-6969759	10.9933	8.9009	-0.3046	0.403203
Gm23639	chr18:33795163-33795295	6.3280	15.1885	1.2631	0.145417
Eya3	chr4:132638986-132724765	19.0612	17.0993	-0.1567	0.164421
Gm20456	chr11:22839298-22842604	7.0669	2.7885	-1.3416	0.333270
Gm15642	chr11:109437171-109438145	2.8483	6.9186	1.2804	0.199253
Gm12936	chr4:126584508-126584809	3.3344	0.9705	-1.7806	0.293790
Gm16755	chr11:120486338-120488582	11.5115	8.3911	-0.4562	0.193679
Gm24524	chr5:86079765-86079935	10.0872	4.0266	-1.3249	0.319802
Pde3b	chr7:114415280-114539251	9.4087	8.0783	-0.2199	0.320860
Stip1	chr19:7020695-7040026	92.4992	81.5225	-0.1822	0.402741
Vps72	chr3:95111021-95123051	9.8569	11.6169	0.2370	0.067596
Snora20	chr17:12922789-12922917	1.6683	7.8845	2.2407	0.264845
Rps15a-ps3	chr4:150847112-150847507	1.1150	3.3602	1.5915	0.185432
Zfp771	chr7:127244525-127254803	4.6376	6.5794	0.5046	0.222878
Pdss2	chr10:43221485-43464882	2.2707	1.6847	-0.4306	0.323953
H2afv	chr11:6427228-6444443	30.1644	35.7292	0.2443	0.227511
2810001G20Rik	chr11:64079483-64083259	17.1734	13.6177	-0.3347	0.227781
Psme3	chr11:101316212-101323537	46.2290	41.0778	-0.1704	0.292209
Cep112	chr11:108425191-108860615	2.1683	3.0729	0.5030	0.429512
Lin52	chr12:84451507-84531533	2.0905	3.0393	0.5398	0.055010
Gm10244	chr6:39419886-39421294	3.1643	5.4659	0.7886	0.191989
2310044K18Rik	chr7:83659574-83660963	7.3104	10.8678	0.5720	0.276335
Rps3	chr7:99477895-99483738	292.3362	341.7380	0.2253	0.413560
Fbxl19	chr7:127746774-127768927	5.1098	6.4952	0.3461	0.222901
Trappc5	chr8:3676298-3681255	18.8801	15.9064	-0.2473	0.342301
Nrp1	chr8:128359072-128505462	58.7690	66.2974	0.1739	0.260071
5830462I19Rik	chr9:110372047-110375430	10.0561	8.1333	-0.3062	0.362300
Utp14a	chrX:48256861-48282453	24.6122	20.8723	-0.2378	0.430630
Atp6v1c1	chr15:38661903-38692443	29.6257	34.4875	0.2192	0.157402
Ptger2	chr14:44988194-45003820	14.9115	17.8259	0.2575	0.288633
Tagap1	chr17:6954964-6961156	7.5679	6.1171	-0.3070	0.088210
Gm26873	chr17:17389942-17395303	6.2286	4.7770	-0.3828	0.309456
Exosc1	chr19:41922979-41933314	19.2051	15.7826	-0.2832	0.315970
Acsl3	chr1:78657824-78706987	5.5829	4.2237	-0.4025	0.405234
Lin9	chr1:180641149-180690518	7.6559	9.8591	0.3649	0.273424
lws1	chr18:32067733-32104331	25.0599	23.1119	-0.1167	0.056328
Pfdn1	chr18:36403678-36454495	31.0502	39.1347	0.3338	0.288629
H13	chr2:152669460-152708670	25.0806	22.8305	-0.1356	0.249139
Atp8b2	chr3:89939480-89963508	31.1210	27.9619	-0.1544	0.353877
Dennd2c	chr3:103102603-103169769	0.9390	0.6145	-0.6117	0.229452
Zfp59	chr7:27842854-27855086	1.3057	2.7360	1.0672	0.272720
Maneal	chr4:124855238-124862171	1.3637	2.6206	0.9424	0.187949
Gm20627	chr3:96254618-96256277	1.2450	0.3262	-1.9321	0.385675
Ascc3	chr10:50592668-50851202	36.7382	33.5117	-0.1326	0.236589
Dusp6	chr10:99263230-99267488	18.5316	22.5759	0.2848	0.310882
BC048403	chr10:121739936-121752878	2.7383	1.9220	-0.5107	0.230981
4930566F21Rik	chr5:31486628-31495179	1.6820	0.7107	-1.2429	0.239979
Tmem128	chr5:38260184-38269622	21.1711	24.8844	0.2331	0.105046
Zfp518b	chr5:38668483-38684826	1.2096	1.8170	0.5870	0.315087
Ube2k	chr5:65537232-65598988	6.7192	8.1512	0.2787	0.278634
Traf1	chr5:121371724-121385632	15.5546	18.1198	0.2202	0.211161
1700019G17Rik	chr6:85899050-85904884	2.2820	3.2603	0.5147	0.192645
Dctn5	chr7:122133040-122149044	26.9767	31.9294	0.2432	0.255908
Paox	chr7:140125656-140134334	1.6658	0.9175	-0.8604	0.274214

Agpat5	chr8:18846276-18891361	4.3205	3.6044	-0.2614	0.359652
Prkaca	chr8:83972977-83996445	23.0650	19.7392	-0.2246	0.314648
Stt3a	chr9:36731274-36767679	22.0446	24.5759	0.1568	0.035726
Senp8	chr9:59734258-59750649	2.6943	1.8615	-0.5334	0.317780
Pccb	chr9:100982031-101034898	7.8993	6.5418	-0.2720	0.063445
Cerk	chr15:86139127-86186141	13.4383	15.3260	0.1896	0.026820
Arhgap22	chr14:33214025-33369934	0.6105	0.2704	-1.1748	0.290844
Dad1	chr14:54235478-54254104	23.7202	20.8679	-0.1848	0.241909
Cnpy3	chr17:46735704-46752214	15.6486	13.0395	-0.2631	0.297733
Galm	chr17:80127470-80185101	12.8728	15.3046	0.2496	0.093896
Pten	chr19:32757496-32826160	21.9806	19.8617	-0.1462	0.312119
Phyh	chr2:4919018-4938730	25.6862	30.9608	0.2694	0.276961
Sec61a2	chr2:5870986-5895432	5.5079	4.2529	-0.3730	0.384343
Noxa1	chr2:25085666-25095149	1.1370	2.0340	0.8391	0.239476
Gm20412	chr2:158117153-158117905	4.8604	2.6175	-0.8929	0.199547
Srsf6	chr2:162931527-162937121	103.8522	94.6665	-0.1336	0.283100
B330016D10Rik	chr4:141546188-141547892	3.0499	4.5513	0.5775	0.360143
Gm23394	chr12:55821062-55821153	11.5951	3.2464	-1.8366	0.171074
Gm9903	chr5:33629924-33632092	0.6007	1.3868	1.2070	0.144729
Snora69	chrX:37082911-37083042	4.6597	11.9447	1.3581	0.160071
Fam160a2	chr7:105371210-105400054	3.1438	2.6909	-0.2244	0.143620
Vapa	chr17:65580055-65613555	56.2045	65.0613	0.2111	0.231205
Zmym1	chr4:127047093-127061152	11.0882	13.0263	0.2324	0.131374
Mtfr2	chr10:20347818-20361669	1.7898	0.9938	-0.8488	0.298858
Gm25206	chr10:128084142-128084216	38.0408	21.4242	-0.8283	0.128029
Gm12188	chr11:49088233-49088543	6.6496	2.7740	-1.2613	0.141861
Gm17194	chr12:79168485-79168833	10.7104	6.6823	-0.6806	0.034337
Jdp2	chr12:85599104-85639878	2.0127	2.9986	0.5752	0.067838
Gm26514	chr13:38945542-38951313	3.2556	2.2506	-0.5326	0.499709
Bend4	chr5:67392146-67427799	0.5765	0.2655	-1.1189	0.307908
Trim28	chr7:13024151-13031035	78.8192	71.4357	-0.1419	0.371846
Ccne1	chr7:38097983-38107534	9.0131	11.2605	0.3212	0.228149
Spns1	chr7:126370059-126377450	13.3303	11.5845	-0.2025	0.194052
Pycard	chr7:127992102-127993867	78.4455	88.6989	0.1772	0.112299
Pet100	chr8:3621550-3624231	25.5075	32.0508	0.3294	0.360807
Ankrd37	chr8:45996901-45999867	6.4725	4.4171	-0.5512	0.322952
Nup93	chr8:94214596-94315066	23.8152	20.9151	-0.1873	0.224904
Zfp810	chr9:22276747-22307638	9.1036	11.0195	0.2756	0.167936
Zbtb38	chr9:96682762-96752831	14.9492	16.8306	0.1710	0.171566
Pigf	chr17:86997255-87025406	11.1039	14.5047	0.3855	0.111902
Abcc5	chr16:20331302-20426394	6.3974	5.5805	-0.1971	0.270280
Sap130	chr18:31634370-31723061	10.5605	8.7618	-0.2694	0.388382
Pdpf	chr2:181187246-181188771	19.4317	15.4712	-0.3288	0.361195
Capza1	chr3:104822778-104864505	24.8672	28.6632	0.2050	0.192951
AI504432	chr3:107039503-107054347	38.7616	34.3661	-0.1736	0.388075
Rbm12b1	chr4:12140263-12146731	7.6141	6.2045	-0.2953	0.214239
Raver2	chr4:101068982-101152370	2.9458	2.2582	-0.3835	0.365486
Sirpa	chr2:129592834-129632228	0.1659	0.3871	1.2220	0.049441
H2-DMb1	chr17:34153071-34160223	0.4435	1.1101	1.3237	0.162662
Gm17399	chr9:118150230-118170376	0.1628	0.7771	2.2548	0.148225
Sgpp1	chr12:75714247-75735729	36.6618	33.1515	-0.1452	0.107774
Gm13623	chr2:69766181-69766806	2.7687	0.9606	-1.5272	0.256709
Ylpm1	chr12:84996320-85070515	6.0818	5.0285	-0.2744	0.455346
Gm5	chr13:31819578-32338712	2.9274	4.1516	0.5040	0.280298
Tusc3	chr8:39005866-39165112	30.9239	35.8458	0.2131	0.038925
Rpl17	chr18:75000476-75003381	22.5269	17.7050	-0.3475	0.245148
Mocs3	chr2:168230621-168232302	10.0983	7.6344	-0.4035	0.332320
Epb4.1l2	chr10:25359797-25523519	17.6606	20.3039	0.2012	0.178776
Abhd17a	chr10:80583648-80590341	28.9297	36.1846	0.3228	0.421172
Slc38a7	chr8:95835919-95853539	4.2883	3.3492	-0.3566	0.303275
Elovl5	chr9:77917363-77984519	63.8477	71.3053	0.1594	0.135552
Mcm6	chr1:128331590-128359656	137.3517	153.0876	0.1565	0.184043
Gm10827	chr10:18235052-18238060	1.0251	0.6013	-0.7698	0.016503
Itgb2	chr10:77530251-77565708	199.6602	182.3027	-0.1312	0.351618
Lrp1	chr10:127538160-127621148	0.1444	0.0518	-1.4790	0.468021
Ube2g1	chr11:72607282-72686481	10.6507	12.9187	0.2785	0.305287
Map3k3	chr11:106084612-106155446	44.8509	41.0387	-0.1282	0.152800
Acot13	chr13:24817947-24831517	16.9430	21.7866	0.3627	0.105633
Gm26515	chr5:110779881-110781127	2.9485	1.5850	-0.8955	0.195796
Csgalnact2	chr6:118107451-118139140	5.5535	6.7645	0.2846	0.210373
NA	chr7:29155679-29156918	3.5578	2.2379	-0.6688	0.159065

Kcnc1	chr7:46396496-46438375	0.1845	0.0815	-1.1792	0.182192
Mical2	chr7:112225855-112355194	0.4145	0.2621	-0.6616	0.178156
Gm8822	chrX:81820383-81822730	4.3911	5.7409	0.3867	0.098933
Ap5m1	chr14:49066494-49087723	23.3437	20.8431	-0.1635	0.106318
Mrps34	chr17:24895115-24897502	19.7671	23.8597	0.2715	0.259420
Tnf	chr17:35199380-35202007	39.3518	45.9515	0.2237	0.224016
Vps8	chr16:21423117-21644680	6.7341	5.9044	-0.1897	0.156625
Rpp30	chr19:36083715-36104772	10.1751	13.9389	0.4541	0.303304
Plekhb2	chr1:34849975-34879580	14.0137	16.1914	0.2084	0.291959
Cd55	chr1:130439026-130462744	6.3835	5.4044	-0.2402	0.135669
Slc19a2	chr1:164249045-164265385	3.5787	2.6243	-0.4475	0.352308
Sft2d2	chr1:165174340-165194433	24.5251	27.8269	0.1822	0.205575
Acvr1c	chr2:58267452-58357895	0.6266	0.4305	-0.5415	0.066674
Fahd2a	chr2:127436214-127444565	11.3737	8.2232	-0.4679	0.494493
Spg20	chr3:55112107-55137322	7.2238	8.5077	0.2360	0.106997
Taf13	chr3:108571697-108583222	1.8903	2.6311	0.4770	0.093496
Taf12	chr4:132274374-132295766	11.6445	14.3257	0.2990	0.320699
Gale	chr4:135963726-135968178	6.4140	8.1426	0.3443	0.169221
Myo1d	chr11:80482125-80780025	0.2091	0.4016	0.9413	0.210595
Tradd	chr8:105258285-105264609	21.7294	18.2578	-0.2511	0.284168
Gm11537	chr11:96766801-96768269	12.2525	8.7020	-0.4936	0.334302
D17H6S53E	chr17:35126372-35128855	19.2569	22.3193	0.2129	0.020515
Rnf208	chr2:25242254-25244262	1.2043	0.4720	-1.3512	0.261614
Tet2	chr3:133463678-133544390	14.7678	12.8090	-0.2053	0.438490
Mib2	chr4:155654676-155669198	9.3801	7.7048	-0.2838	0.379784
Tle2	chr10:81574560-81590845	0.0745	0.2056	1.4644	0.091145
Itpk1	chr12:102568581-102704929	14.9917	17.9890	0.2629	0.315882
Hus1b	chr13:30946572-30947759	1.7940	0.8906	-1.0104	0.206412
Smim15	chr13:108046423-108049146	41.8552	50.1788	0.2617	0.328819
Afap1	chr5:35893318-36003923	1.9355	1.5039	-0.3640	0.237246
Agbl3	chr6:34780431-34859459	0.2749	0.4265	0.6333	0.090465
Smyd5	chr6:85431988-85446435	20.4470	18.0036	-0.1836	0.219924
Zfp28	chr7:6383317-6396633	2.1647	3.0872	0.5121	0.192455
6330408A02Rik	chr7:13258966-13278721	2.5570	2.0359	-0.3288	0.378202
AW146154	chr7:41478879-41499890	4.0899	5.2657	0.3645	0.257683
Icam1	chr9:21015959-21028797	37.1520	42.6054	0.1976	0.202023
Glud1	chr14:34310726-34345144	64.6393	59.7749	-0.1129	0.093683
Golgb1	chr16:36875139-36933085	11.9189	10.8686	-0.1331	0.118629
D19Bwg1357e	chr19:27388701-27429820	30.6693	26.3327	-0.2199	0.434297
Slc27a4	chr2:29802633-29817522	6.4069	5.3519	-0.2596	0.197843
Cops2	chr2:125830303-125859139	35.6853	41.4833	0.2172	0.312261
Gm25878	chr2:167063472-167063565	46.2235	27.9992	-0.7232	0.239328
Ttyh2	chr11:114675430-114720977	0.4681	0.8979	0.9398	0.330620
Bcas1	chr2:170346990-170427845	0.4696	0.8913	0.9245	0.295516
Ttc39a	chr4:109406622-109444745	0.0567	0.2001	1.8193	0.058670
Gpr153	chr4:152274231-152285337	0.0847	0.2763	1.7063	0.162094
Ccdc174	chr6:91878052-91899843	6.1650	5.4393	-0.1807	0.070116
Map3k2	chr18:32163088-32236751	16.0164	14.4618	-0.1473	0.251991
Rin3	chr12:102283047-102390855	9.7071	8.1780	-0.2473	0.418914
Traf3	chr12:111166369-111267153	20.4838	18.0148	-0.1853	0.397567
Nup153	chr13:46679904-46727940	85.2578	79.8544	-0.0945	0.015344
Gpr124	chr8:27085582-27123436	0.4795	0.2640	-0.8607	0.094329
Prdx4	chrX:155323917-155340754	10.3845	12.9008	0.3130	0.226332
Gtf2f2	chr14:75896936-76010865	20.6362	25.2609	0.2917	0.238365
Diexf	chr1:193104402-193130251	8.0487	6.9774	-0.2061	0.177808
Mex3c	chr18:73573043-73592575	35.0135	31.0384	-0.1739	0.379376
Tagln	chr9:45929627-45936058	2.5661	4.6124	0.8459	0.337574
Enc1	chr13:97241104-97253039	3.5003	2.5833	-0.4383	0.437303
Arhgap44	chr11:65002038-65162961	0.2250	0.0673	-1.7412	0.248352
Ddx26b	chrX:56454856-56507843	11.3933	13.1141	0.2029	0.179752
Ap5z1	chr5:142463930-142478715	9.8793	8.2300	-0.2635	0.312988
Sh3gl1	chr17:56016752-56036637	40.2798	34.9400	-0.2052	0.357558
Cdk9	chr2:32705783-32713076	8.7218	10.4934	0.2668	0.253018
Atf2	chr2:73816508-73892639	10.2376	9.1464	-0.1626	0.151718
Cdk13	chr13:17715961-17805097	46.6183	43.2539	-0.1081	0.099869
Uvssa	chr5:33378550-33419754	8.6849	7.6077	-0.1911	0.283617
Rybp	chr6:100228565-100287441	3.6751	2.9678	-0.3084	0.068502
Cat	chr2:103453848-103485160	34.2272	39.9483	0.2230	0.283802
Gm14403	chr2:177498214-177509763	1.1417	0.5230	-1.1263	0.203866
Arfgap1	chr2:180967224-180982526	19.7556	17.3664	-0.1860	0.356035
C92006O11Rik	chr9:78175913-78178879	1.8873	3.7351	0.9848	0.156136

Pml	chr9:58218075-58249786	14.7877	12.4355	-0.2499	0.463427
Acs1	chr8:46471040-46536051	2.4192	2.9909	0.3060	0.172568
Rdh13	chr7:4424769-4445649	2.4957	2.0014	-0.3184	0.121801
Rps26-ps1	chr8:107439175-107439585	9.7660	14.5978	0.5799	0.202835
Zbtb46	chr7:181387761-181459426	1.7560	2.2564	0.3617	0.193640
3110040N11Rik	chr7:81782181-81789478	15.9113	12.6141	-0.3350	0.234915
Scarna9	chr9:15326263-15326333	58.8860	84.7158	0.5247	0.033982
Gm24067	chr9:20889483-20889568	18.2922	8.7514	-1.0637	0.074806
Yipf6	chrX:98936315-98949017	8.6474	10.0439	0.2160	0.173550
Npcd	chr15:79789674-79834237	8.0249	10.4648	0.3830	0.171354
Fam131a	chr16:20693281-20703048	0.2669	0.5955	1.1581	0.140263
Atrn	chr2:130906494-131030333	6.9815	6.2352	-0.1631	0.227247
Zfp90	chr8:106415338-106425889	3.1485	4.3787	0.4758	0.227021
Ostm1	chr10:42583821-42702459	12.7987	14.5678	0.1868	0.147006
Supt6	chr11:78206745-78245987	32.0260	29.5034	-0.1184	0.084658
Fbxl20	chr11:98082555-98150403	11.2303	10.0239	-0.1640	0.345835
Rpl21	chr5:146832889-146837032	7.6670	6.3876	-0.2634	0.225240
Spryd3	chr15:102116527-102136234	12.0530	14.4583	0.2625	0.254753
Wbp4	chr14:7945936-79481268	14.6839	17.2312	0.2308	0.177889
Sgms1	chr19:32122726-32389714	5.7037	6.8501	0.2642	0.286070
Nsun6	chr2:14995130-15054884	3.9753	3.1064	-0.3558	0.325231
Xrra1	chr7:99859217-99917824	0.1949	0.5857	1.5876	0.121383
Sod2	chr17:13007838-13018119	13.6510	15.7243	0.2040	0.053645
Zc3hav1l	chr6:38287395-38299259	0.8319	0.5392	-0.6256	0.203027
Eri3	chr4:117550364-117674297	10.5620	8.9174	-0.2442	0.198157
Rps8	chr4:117153826-117156243	28.3877	35.0075	0.3024	0.324952
Grk6	chr13:55445333-55460925	136.1999	124.9663	-0.1242	0.317061
Arhgap17	chr7:123279149-123369915	4.4169	3.4946	-0.3379	0.203695
Isyna1	chr8:70594480-70597288	43.4424	37.3351	-0.2186	0.403054
Mapkapk3	chr9:107254926-107289877	23.1832	26.4419	0.1897	0.238445
Vps52	chr17:33955811-33966984	19.0257	16.8827	-0.1724	0.197091
Atp5j	chr16:84827865-84835625	13.6446	16.6180	0.2844	0.331828
Sumo1	chr1:59639433-59670834	19.6161	24.4244	0.3163	0.361765
Rpl37a	chr1:72711259-72713809	68.6123	84.3103	0.2972	0.377241
Gm4204	chr1:135232044-135233404	1.9149	0.8315	-1.2035	0.313718
Elac1	chr18:73735037-73754479	4.5131	3.6070	-0.3233	0.268351
Uap111	chr2:25359888-25365682	5.6613	6.9437	0.2946	0.168079
Mrps5	chr2:127587221-127606829	6.7889	5.7617	-0.2367	0.312593
Npepl1	chr2:174110348-174123070	36.0421	31.6822	-0.1860	0.383985
Gpr113	chr5:30193430-30205722	0.4030	0.1175	-1.7778	0.332615
Gm14122	chr2:150398255-150399399	0.4890	1.4033	1.5211	0.168121
Slc39a11	chr11:113244852-113650079	7.8393	9.2674	0.2414	0.000024
Sp110	chr1:85576898-85598817	21.6516	19.5968	-0.1439	0.194536
Tpm3	chr3:90072648-90100902	41.8640	46.2430	0.1435	0.069851
G6pc3	chr11:102189619-102194081	6.3682	8.0251	0.3336	0.082982
Atxn7l3	chr11:102289299-102296631	30.4878	27.3741	-0.1554	0.263980
Mgat2	chr12:69184157-69186772	40.9469	46.2860	0.1768	0.143851
Cwc27	chr13:104631139-104817142	7.7401	9.4830	0.2930	0.145681
Dmtf1	chr5:9118800-9161749	46.3395	41.5592	-0.1571	0.342583
Nod2	chr8:88647314-88688474	1.1279	1.7453	0.6299	0.208899
Ppp1r7	chr1:93342853-93373489	5.9329	5.1569	-0.2022	0.260381
4930518l15Rik	chr2:156856615-156857946	9.1547	6.4760	-0.4994	0.401330
Vps13d	chr4:144972625-145194995	14.1251	12.7864	-0.1436	0.385625
Dhx8	chr11:101732918-101767358	23.8987	21.6020	-0.1458	0.184703
Sdha	chr13:74322253-74350280	66.3737	61.1518	-0.1182	0.168252
Gtf3a	chr5:146948656-146955614	26.4987	31.0947	0.2307	0.285442
Zfp329	chr7:12804976-12818858	17.9471	15.8603	-0.1783	0.349734
Rltpr	chr8:105690905-105698178	29.0359	25.6687	-0.1778	0.242800
Cyb561d2	chr9:107539010-107541865	9.9474	12.5081	0.3305	0.193833
Pcca	chr14:122534323-122891100	6.6653	5.4702	-0.2851	0.353905
Nfkb1	chr3:135584654-135691547	124.1774	114.5397	-0.1166	0.317912
Gm23582	chr11:21249421-21249560	18.6571	8.1552	-1.1939	0.268130
Kat8	chr7:127912516-127925832	13.6163	17.5635	0.3673	0.314879
Smad5	chr13:56703009-56742377	11.2792	9.8723	-0.1922	0.365603
Gm21885	chr11:94284651-94285985	4.7851	10.0644	1.0727	0.218001
Kpna6	chr4:129643979-129672767	14.4879	12.6830	-0.1920	0.375415
Stab1	chr14:31139012-31168641	0.4418	0.7684	0.7983	0.221241
lsg15	chr4:156199423-156200818	8.0739	12.7232	0.6561	0.277914
Fars2	chr13:36117410-36537592	12.0226	14.4458	0.2649	0.106734
Rab2b	chr14:52261758-52279545	6.0976	5.0173	-0.2813	0.263073
Heca	chr10:17900465-17948067	70.5194	77.7159	0.1402	0.036940

Igtp	chr11:58199555-58207591	132.9030	149.2729	0.1676	0.203069
E2f3	chr13:29906574-29985668	6.5503	5.3462	-0.2930	0.346914
Tpst2	chr5:112276690-112315361	33.6478	38.5062	0.1946	0.236299
Trbj2-5	chr6:41543452-41543501	164.2744	115.7572	-0.5050	0.271199
Rps5	chr7:12922289-12926686	453.0911	533.7050	0.2362	0.430746
Fuz	chr7:44896078-44902631	14.2227	12.3151	-0.2078	0.354724
Gm166	chr7:127582383-127588595	11.8462	14.1639	0.2578	0.156385
Bub3	chr7:131560390-131571898	55.4293	63.1066	0.1871	0.217392
Oaz2	chr9:65668000-65690300	4.1939	5.8130	0.4710	0.334717
Ube2a	chrX:36874357-36884215	20.6846	16.8875	-0.2926	0.336140
Gm8606	chrX:155504036-155504924	2.8883	1.4114	-1.0331	0.435925
Emc2	chr15:43477228-43527777	32.6454	39.6077	0.2789	0.298644
Gm26724	chr17:27201031-27203071	8.2179	6.3838	-0.3644	0.204290
BC051537	chr17:34083842-34095309	1.8807	1.1530	-0.7059	0.093685
Umps	chr16:33954781-33967038	25.5644	21.9270	-0.2214	0.414243
Nsun3	chr16:62732443-62786818	4.8311	3.9765	-0.2808	0.181792
Obsl1	chr1:75479309-75506452	0.1310	0.0319	-2.0373	0.175803
Dnlz	chr2:26348120-26352110	14.8548	12.6742	-0.2290	0.310949
Scmh1	chr4:120405280-120530186	0.9930	0.7150	-0.4737	0.139455
Gm26716	chr4:130824393-130826313	4.2601	2.0290	-1.0701	0.090906
Tom1	chr8:75033685-75070121	0.1540	0.4952	1.6846	0.058759
Gm11454	chr2:163122605-163143959	0.6374	1.6841	1.4016	0.061028
Eif2b4	chr5:31187557-31193430	15.2432	18.1346	0.2506	0.181967
Tbl2	chr5:135149656-135163873	5.5147	6.5207	0.2417	0.087326
Tial1	chr7:128439776-128461717	20.4849	18.6249	-0.1373	0.091336
Psm1	chr7:114264605-114276118	57.1342	65.8328	0.2045	0.270932
Hist1h2ae	chr13:23570516-23571220	4.5954	7.2020	0.6482	0.275240
Fip1l1	chr5:74535448-74598790	18.4631	17.0008	-0.1190	0.085798
Bola1	chr3:96196587-96219709	4.9701	7.2347	0.5417	0.240814
4932443L11Rik	chr8:4162521-4206882	0.6283	1.3611	1.1151	0.319802
Akap12	chr10:4266328-4359468	4.5083	5.5291	0.2945	0.297900
Apaf1	chr10:90989310-91082770	12.3253	14.2110	0.2054	0.292235
Ykt6	chr11:5955692-5967780	36.5925	41.1431	0.1691	0.071788
Utp6	chr11:79932320-79962390	22.3209	19.8837	-0.1668	0.261317
Galk1	chr11:116008456-116012719	25.3398	21.9571	-0.2067	0.056844
Mfsd11	chr11:116852439-116875635	8.5545	7.2935	-0.2301	0.377044
Lpcat1	chr13:73467196-73516422	23.6571	27.4997	0.2171	0.322516
Clec2d	chr6:129180614-129186534	415.6920	463.1297	0.1559	0.247663
Akap13	chr7:75455533-75754609	81.1648	74.4658	-0.1243	0.375019
Rnf121	chr7:102019136-102065469	6.9918	5.7453	-0.2833	0.373258
Tecr	chr8:83571699-83594491	71.7363	62.5810	-0.1970	0.394364
Chmp1a	chr8:123204263-123212763	24.4671	28.9380	0.2421	0.326381
Samd8	chr14:21750530-21798725	3.7738	3.2269	-0.2259	0.036015
Traj8	chr14:54209917-54209954	53.1849	20.8174	-1.3532	0.254697
Chtf18	chr17:25718925-25727419	3.1316	3.9093	0.3200	0.057167
Rgs11	chr17:26202950-26211324	2.5133	1.8407	-0.4494	0.260183
Rab31	chr17:65651725-65772752	2.4757	3.3832	0.4505	0.212973
Heg1	chr16:33684465-33771576	11.8673	10.3275	-0.2005	0.470275
Cdk2ap2	chr19:4097181-4099019	76.8622	89.6358	0.2218	0.387698
Myrf	chr19:10208271-10240748	0.7428	0.4572	-0.7002	0.104738
NA	chr2:26014594-26014747	7.8314	3.1037	-1.3353	0.270887
Gm13556	chr2:38286254-38287291	3.5822	1.2897	-1.4738	0.423138
Sppl2a	chr2:126890390-126933235	18.1037	20.4686	0.1771	0.216683
Gm15952	chr3:35933044-35942717	1.8845	0.8076	-1.2224	0.119858
Arhgef11	chr3:87617558-87738034	5.1060	6.2384	0.2890	0.308607
Ints3	chr3:90391379-90433636	16.9580	19.6680	0.2139	0.231369
Mttp	chr3:138089854-138143388	0.2040	0.4816	1.2392	0.297023
Ythdf2	chr4:132184911-132212303	26.2336	23.7476	-0.1436	0.181745
Gm1826	chr2:87393482-87394644	0.2206	0.9226	2.0642	0.170648
Cela2a	chr4:141814961-141826160	0.1302	0.4759	1.8705	0.079664
Ctrc	chr4:141814961-141846359	0.1570	0.5742	1.8707	0.079664
Gm26917	chr17:39843012-39846341	2866.6574	2522.9330	-0.1843	0.519125
Golim4	chr3:75876182-75956949	3.3763	2.8750	-0.2319	0.114240
Fam216a	chr5:122364579-122372364	8.9018	11.3912	0.3557	0.159186
Tbxas1	chr6:38875403-39084585	0.4252	0.2442	-0.7999	0.316675
Fgf13	chrX:59062144-59568071	0.2039	0.4780	1.2289	0.182907
Smu1	chr4:40736541-40757923	54.9692	49.3818	-0.1546	0.352480
Zdhhc17	chr10:110941781-111010066	10.0790	11.9930	0.2508	0.264452
Tbc1d15	chr10:115197876-115251493	7.1458	5.8493	-0.2888	0.312899
Anxa6	chr11:54979107-55033445	230.0797	253.0299	0.1372	0.172544
Zkscan6	chr11:65807174-65829239	13.0863	15.9558	0.2860	0.257503

Mrpl27	chr11:94653766-94660089	14.3069	11.5336	-0.3109	0.026806
Adcy3	chr12:4133102-4213525	9.9897	8.6284	-0.2114	0.357360
1110008L16Rik	chr12:55302636-55382491	7.0005	5.7768	-0.2772	0.173689
Syne2	chr12:75818133-76110926	1.8034	2.1428	0.2488	0.254942
Gm22790	chr12:105645842-105645971	9.2963	2.2481	-2.0479	0.360662
Map3k1	chr13:111746427-111808993	34.9970	31.8939	-0.1340	0.329169
Akap9	chr5:3928053-4080209	17.6619	16.0027	-0.1423	0.341148
Slc4a1ap	chr5:31526994-31554042	14.8106	13.2033	-0.1657	0.152421
Gm22249	chr5:38546457-38546593	47.8986	29.8835	-0.6806	0.355672
Gm10401	chr5:115097688-115098295	18.6670	13.4416	-0.4738	0.431832
Pop5	chr5:115235835-115245351	17.7036	15.1175	-0.2278	0.308985
Trbv12-1	chr6:41113566-41114067	22.6291	30.5305	0.4321	0.127019
Tgfb1i1	chr7:128246811-128253712	0.6520	0.3307	-0.9791	0.326320
Pddc1	chr7:141408134-141414136	14.1261	17.1622	0.2809	0.266627
Prdx2	chr8:84969586-84974834	25.6463	29.1566	0.1851	0.085754
Nfat5	chr8:107293469-107379517	6.5860	5.6669	-0.2168	0.477654
Stoml1	chr9:58253163-58262523	11.2814	9.1961	-0.2949	0.266866
Trf	chr9:103204000-103230444	0.6606	1.0929	0.7262	0.194503
Ppp2r3d	chr9:124422621-124424154	7.0536	4.2576	-0.7283	0.141480
Mbnl3	chrX:51117268-51206532	8.0971	6.9176	-0.2271	0.373151
Hcfc1	chrX:73942791-73966357	24.1616	21.1558	-0.1917	0.456863
Stard8	chrX:99003247-99074728	0.4210	0.1460	-1.5276	0.416933
Nxt2	chrX:142226769-142239692	1.5498	2.3647	0.6096	0.211314
Poldip3	chr15:83125977-83149384	38.5083	34.9559	-0.1396	0.351277
Gm16976	chr14:44858670-44974944	4.3893	3.3434	-0.3927	0.271794
Xdh	chr17:73883907-73950182	16.5402	19.5229	0.2392	0.347892
St3gal6	chr16:58468124-58524243	1.8832	1.2811	-0.5559	0.425533
lvns1abp	chr1:151344497-151364445	85.4499	77.8730	-0.1340	0.355325
Taf4b	chr18:14783244-14900359	7.2290	6.2933	-0.2000	0.069443
Fam13b	chr18:34442351-34506823	28.1515	24.9999	-0.1713	0.301861
NA	chr2:3504528-3512759	6.8189	8.3427	0.2910	0.296149
Zbtb34	chr2:33406107-33431324	1.9017	1.4656	-0.3758	0.182651
Gm16523	chr2:39161250-39161989	3.1299	1.4670	-1.0933	0.191061
Rbm45	chr2:76369983-76383768	54.3708	48.5039	-0.1647	0.299690
Tspan18	chr2:93201759-93334505	0.6020	0.3722	-0.6940	0.419634
Sv2a	chr3:96181150-96195521	2.2998	1.7107	-0.4270	0.260010
Gm12811	chr4:109569213-109656791	1.9733	3.6711	0.8956	0.178472
A930038B10Rik	chr14:34759401-34770553	0.1479	0.3396	1.1994	0.186869
Emilin2	chr17:71252175-71310965	0.0796	0.2309	1.5361	0.030620
Cdh23	chr10:60302747-60696490	1.6494	2.0698	0.3275	0.360457
Ptbp1	chr10:79854426-79864771	57.8061	52.4495	-0.1403	0.362267
Mtif2	chr11:29526407-29545279	11.3571	13.6096	0.2610	0.297555
Zfp322a	chr13:23353102-23369208	15.1917	13.3699	-0.1843	0.282962
Dok3	chr13:55523234-55528538	0.5129	1.0547	1.0402	0.134013
Sri	chr5:8046077-8069379	51.8017	58.6659	0.1795	0.267741
Tmem165	chr5:76183879-76209245	33.4370	38.3899	0.1993	0.207214
Gimap3	chr6:48765088-48766519	369.0770	339.0295	-0.1225	0.306142
Atp5sl	chr7:25619413-25625551	15.3289	12.9967	-0.2381	0.336697
Fam98c	chr7:29152510-29156234	13.2152	11.1611	-0.2437	0.294722
9330020H09Rik	chr15:98567323-98569583	6.1631	4.8631	-0.3418	0.127708
Ms4a4d	chr19:11536800-11558467	0.8696	1.8243	1.0689	0.112952
Lman2l	chr1:36422064-36445271	1.8410	1.4177	-0.3769	0.127040
Dnah7a	chr1:53397001-53706784	0.4868	0.3156	-0.6251	0.337077
Nop58	chr1:59685005-59711510	112.3004	95.8803	-0.2281	0.518591
Tlk1	chr2:70712406-70825728	25.8186	23.3836	-0.1429	0.273149
E030042O20Rik	chr2:75704769-75710024	2.2954	1.2582	-0.8674	0.383008
Polr3f	chr2:144527717-144541995	8.0828	9.3585	0.2114	0.185407
Plcg1	chr2:160731299-160775760	63.8864	58.4537	-0.1282	0.362191
Zfp362	chr4:128773087-128806045	5.2861	4.0792	-0.3739	0.346548
Tas1r1	chr4:152027913-152038568	0.2194	0.0622	-1.8184	0.284871
Dbil5	chr11:76217607-76218666	1.8441	0.6425	-1.5212	0.233660
Tmem231	chr8:111912017-111933791	0.2534	0.5954	1.2327	0.101583
Efemp2	chr19:5473972-5481853	0.6559	1.1528	0.8137	0.154005
Wnt8b	chr19:44493471-44514273	0.3591	0.1232	-1.5438	0.386698
Rps3a1	chr3:86137939-86142702	71.4851	86.3848	0.2731	0.380981
Snora21	chr11:97781638-97781775	11.0879	19.8803	0.8424	0.106194
Zfp954	chr7:7114689-7121445	12.5240	14.9916	0.2595	0.092191
Tbc1d2b	chr9:90202046-90270804	15.2187	17.2158	0.1779	0.197109
9430015G10Rik	chr4:15610981-156127265	10.5849	9.0629	-0.2240	0.244928
Rbmxl1	chr8:78505270-78508928	5.6756	4.2433	-0.4196	0.171199
Sfr1	chr19:47731755-47735588	66.3116	76.7681	0.2112	0.274236

H60b	chr10:22158585-22288849	7.0343	4.9407	-0.5097	0.267340
Yeats4	chr10:117215141-117224507	39.3061	46.0683	0.2290	0.251187
Gm11998	chr11:11557420-11579460	3.7675	2.1490	-0.8100	0.299428
Ublcp1	chr11:44454570-44470498	7.1256	5.7506	-0.3093	0.259352
Gm17334	chr11:53772280-53773187	31.5075	37.2962	0.2433	0.088532
Bzw2	chr12:36091845-36156825	110.8234	97.9769	-0.1777	0.452389
Rbm33	chr5:28317120-28419244	13.3289	11.9424	-0.1585	0.372396
Setd8	chr5:124439929-124462308	13.8112	12.0808	-0.1931	0.243940
Usp12	chr5:146734808-146795006	14.6557	12.8116	-0.1940	0.281148
Gm16042	chr6:8595737-8596988	24.6142	31.1000	0.3374	0.394629
Gm16042	chr6:8595742-8596989	24.6932	31.1998	0.3374	0.394629
Ankrd42	chr7:92581722-92637142	0.2723	0.4826	0.8256	0.116090
Ino80e	chr7:126851579-126862377	13.9923	12.3184	-0.1838	0.290307
Phkg2	chr7:127573339-127583305	15.9066	18.1379	0.1894	0.086531
Gm26572	chr8:121091627-121094858	2.0283	1.4472	-0.4869	0.115706
Basp1	chr15:25363284-25413764	2.0454	1.3025	-0.6511	0.124781
Stk38	chr17:28970884-29007945	25.9835	23.5979	-0.1389	0.299392
B630019A10Rik	chr16:23175287-23224446	9.0521	7.4248	-0.2859	0.182677
Armc9	chr1:86154779-86278284	1.2439	0.9522	-0.3855	0.312930
Gorab	chr1:163384908-163403641	4.6477	6.3356	0.4470	0.315161
Lars	chr18:42202349-42262122	43.3337	37.5417	-0.2070	0.465172
Cercam	chr2:29869163-29882840	0.5766	0.2767	-1.0593	0.268028
Pag1	chr3:9687478-9833679	12.5263	11.1860	-0.1633	0.337306
Chmp5	chr4:40948406-40965303	38.1834	44.3954	0.2175	0.186636
Cd72	chr4:43446461-43454628	8.9929	10.6998	0.2507	0.182203
2310026L22Rik	chr4:138215713-138216189	4.9246	2.6678	-0.8844	0.026760
Gm17201	chr10:128391841-128395563	5.7736	2.1506	-1.4247	0.276612
E230013L22Rik	chr8:11477928-11480241	0.4956	1.1320	1.1916	0.250226
Fig4	chr10:41188171-41303241	19.5147	17.2087	-0.1814	0.286534
Tdg	chr10:82629827-82650799	2.4085	1.9255	-0.3229	0.057438
Ppp2ca	chr11:52098680-52127778	46.0523	51.1947	0.1527	0.193153
Timp2	chr11:118301068-118355740	13.7960	16.2581	0.2369	0.325766
Cnot6l	chr5:96070332-96164171	23.0105	21.0152	-0.1309	0.285444
Gm23751	chr6:125121723-125121859	19.4034	9.6286	-1.0109	0.390049
Phldb3	chr7:24611327-24629288	9.3697	7.4711	-0.3267	0.351437
Dusp4	chr8:34807296-34819894	15.2435	18.4726	0.2772	0.329964
Rnf166	chr8:122466146-122476064	41.1603	36.7001	-0.1655	0.259863
Endod1	chr9:14353989-14381242	29.0920	32.8354	0.1746	0.209487
Prdm10	chr9:31280537-31378543	4.5101	3.7110	-0.2813	0.304572
Edc3	chr9:57708539-57752499	13.5247	11.7068	-0.2083	0.416946
Bbs4	chr9:59321965-59353508	8.0690	6.3377	-0.3484	0.340517
Tex264	chr9:106658746-106685948	14.3302	16.9204	0.2397	0.116793
Nprl2	chr9:107542208-107545704	18.9148	22.6259	0.2585	0.164816
Ndufa1	chrX:37187587-37191163	53.6594	71.9302	0.4228	0.373320
Slc35b2	chr17:45563963-45567669	13.6499	16.2705	0.2534	0.193825
Abcf3	chr16:20548576-20561379	26.1849	23.3173	-0.1673	0.311331
C030005K06Rik	chr18:50042729-50053844	1.8642	2.7205	0.5453	0.274014
Srxn1	chr2:152105515-152111376	2.3131	3.1555	0.4480	0.129235
6430550D23Rik	chr2:155973278-156007977	4.3118	3.3888	-0.3475	0.367570
Rrnad1	chr3:87922600-87930717	19.3618	17.5373	-0.1428	0.199732
Bcl10	chr3:145924377-145934283	29.4742	34.6201	0.2322	0.245808
Phf13	chr4:151989632-151996258	4.1032	3.1648	-0.3746	0.239458
Gm15943	chr15:58214474-58324053	0.1733	0.4839	1.4811	0.159887
Snord45b	chr3:153910562-153910633	6.0150	18.9359	1.6545	0.197410
Chordc1	chr9:18292266-18314000	62.2099	55.4026	-0.1672	0.403870
Hspe1-ps5	chr2:72955897-72956194	9.7214	4.7153	-1.0438	0.117835
Prnp	chr2:131909927-131938429	13.5982	16.1851	0.2513	0.181910
Letm1	chr5:33739672-33782817	9.8918	8.9706	-0.1410	0.114480
Gm17106	chr16:32985853-33108601	18.3744	13.1277	-0.4851	0.271512
Rasl11b	chr5:74195295-74199478	1.7129	1.0279	-0.7367	0.095347
Trav8n-2	chr14:53345960-53346420	4.6037	1.8020	-1.3532	0.147212
Pbk	chr14:65805836-65817822	5.6711	7.4285	0.3894	0.158612
Gm14382	chr7:100624517-100624954	3.6161	1.0936	-1.7253	0.448684
Pthr2	chr11:86683984-86692457	8.2046	10.4110	0.3436	0.330528
Cox16	chr12:81359025-81485127	8.3665	10.4718	0.3238	0.401071
Traip	chr9:107950962-107972268	2.7987	3.8174	0.4478	0.284906
Rps24-ps3	chrX:79195046-79195448	56.3705	70.3969	0.3206	0.272985
Gm16006	chr15:57708113-57708927	3.5369	1.7411	-1.0225	0.332333
1700022111Rik	chr4:42969945-42983639	9.2484	7.9833	-0.2122	0.217612
Col23a1	chr11:51289919-51583918	1.3874	1.8806	0.4388	0.137549
Grsf1	chr5:88659447-88676171	21.4333	18.7137	-0.1958	0.324203

Fbxo34	chr14:47472560-47531962	4.7081	3.6170	-0.3804	0.389625
Baiap2	chr11:119942762-120006782	5.7648	4.8562	-0.2474	0.261437
Erbp2ip	chr13:103818786-103920514	87.7895	96.2862	0.1333	0.104151
Cul4b	chrX:38533273-38576196	20.1811	23.6653	0.2298	0.311707
Gm16333	chr4:152410799-152411262	5.4392	1.8099	-1.5875	0.412755
Mff	chr1:82724889-82752394	18.6397	21.5202	0.2073	0.237238
Inpp5a	chr7:139389108-139579652	3.2918	4.2666	0.3742	0.209067
Slc38a9	chr13:112660765-112738743	4.2405	5.0540	0.2532	0.259771
Prpf3	chr8:95830123-95855885	11.7952	10.3153	-0.1934	0.305040
Setd6	chr8:95715914-95719010	14.1971	17.4768	0.2998	0.278266
Traf1	chr2:34941749-34961772	46.0750	51.3133	0.1553	0.190157
Zfp526	chr7:25221450-25227507	15.0442	12.4685	-0.2709	0.435338
Ighv6-3	chr12:114391711-114392169	3.2247	0.7990	-2.0130	0.370720
Nol8	chr13:49653349-49679015	31.4677	26.2830	-0.2597	0.518232
Abhd11	chr5:135009151-135012175	14.4964	12.3229	-0.2344	0.233738
Arf5	chr6:28423559-28426602	82.5368	97.1093	0.2346	0.358507
Tdrp	chr8:13952008-13975032	3.1023	2.4084	-0.3652	0.303524
Atad2	chr15:58094046-58135082	31.3600	35.1474	0.1645	0.201811
Snx3	chr10:42502029-42535381	55.8290	68.1548	0.2878	0.407764
Ap2b1	chr11:83299023-83405035	28.8318	26.4172	-0.1262	0.324078
9330151L19Rik	chr12:69197210-69199868	8.2518	9.9544	0.2706	0.070117
Pgbd1	chr13:21421274-21441058	0.7855	0.4053	-0.9546	0.393218
Zfp951	chr5:104814342-104828957	6.5175	4.8138	-0.4371	0.240806
Ube3b	chr5:114380627-114421168	22.8737	20.3503	-0.1686	0.369016
Tmem120b	chr5:123068414-123117749	5.8747	4.5697	-0.3624	0.395986
Zfp93	chr7:24270419-24276827	1.1612	2.1555	0.8924	0.123873
Gpi1	chr7:34202121-34230289	52.6993	59.1685	0.1670	0.299745
Clpb	chr7:101663632-101790168	3.2007	3.8767	0.2764	0.217130
Tspan32	chr7:143005045-143019644	90.2336	100.4663	0.1550	0.192338
Eif4ebp1	chr8:27260326-27275656	4.4780	6.4887	0.5351	0.219200
Gtf2e2	chr8:33731913-33777173	11.9229	15.3200	0.3617	0.363177
Farsa	chr8:84856988-84869257	20.2484	18.0931	-0.1624	0.303316
Acd	chr8:105698158-105701095	14.4288	11.5541	-0.3205	0.261348
1810019D21Rik	chr8:106135399-106138525	0.8395	0.2269	-1.8876	0.194107
Arv1	chr8:124722138-124734123	10.1155	7.6799	-0.3974	0.328714
Gm26377	chr9:78478527-78478635	4732.6287	5471.0052	0.2092	0.431559
Rrp9	chr9:106475962-106485424	22.5919	19.4856	-0.2134	0.353569
Fbxl2	chr9:113963636-114046191	5.6917	4.7488	-0.2613	0.188166
Arhgef6	chrX:57231484-57338729	29.3807	32.4934	0.1453	0.099457
Fam3a	chrX:74384718-74393272	4.5130	5.9023	0.3872	0.196833
Gm17035	chr15:66929606-66931107	19.8029	13.6670	-0.5350	0.315531
Gsdmd	chr15:75862338-75867404	49.6004	56.4319	0.1862	0.173375
Fkbp11	chr15:98724372-98728198	1.3086	0.4298	-1.6062	0.273684
Gm11100	chr14:13918443-13949558	7.4574	9.5772	0.3609	0.272751
Hacl1	chr14:31552904-31641286	3.5055	4.2718	0.2852	0.068048
Ndufb10	chr17:24722059-24724478	35.2610	42.5173	0.2700	0.308823
C2	chr17:34856411-34898265	0.8837	0.5657	-0.6434	0.220938
Ddah2	chr17:35059034-35062095	1.0196	1.7646	0.7913	0.112011
Gtf2f1	chr17:57003404-57011288	55.4218	63.0402	0.1858	0.193952
Ankrd12	chr17:65967500-66077089	19.1086	21.5077	0.1706	0.285673
Strn	chr17:78649912-78737196	14.2955	16.3496	0.1937	0.283021
Gm9968	chr16:43345886-43363666	2.1749	1.3888	-0.6471	0.365026
NA	chr16:49913192-49915008	10.1876	8.2777	-0.2995	0.183472
Ehbp1l1	chr19:5707375-5726317	17.4409	19.7546	0.1797	0.202465
Tjp2	chr19:24094522-24225026	12.5198	15.2110	0.2809	0.414928
Mcmcdc2	chr1:9908637-9942085	1.9843	1.5308	-0.3743	0.140938
Abcb6	chr1:75171716-75180392	2.0139	1.4079	-0.5165	0.426733
Hjurp	chr1:88262470-88277633	36.9523	41.0526	0.1518	0.196712
Rab29	chr1:131867223-131872887	16.7415	20.7655	0.3108	0.284265
A430106G13Rik	chr1:137966530-137969918	0.5408	0.1940	-1.4793	0.243356
Gm6225	chr18:3336415-3366863	2.8359	1.6253	-0.8031	0.355870
Rabgap1	chr2:37443278-37566454	15.0119	13.5343	-0.1495	0.256542
Ttc21b	chr2:66184326-66256617	3.6543	4.3455	0.2499	0.189122
Gm10804	chr2:93452818-93469871	2.5658	3.3690	0.3929	0.092668
Rrbp1	chr2:143947394-144011263	13.0690	11.6689	-0.1635	0.335391
Apmap	chr2:150583079-150608567	13.1729	16.0187	0.2822	0.283248
Dnttip1	chr2:164745982-164768607	14.3317	12.1059	-0.2435	0.225794
3110057O12Rik	chr3:40846969-40938138	2.2566	2.9725	0.3975	0.270130
Rfxap	chr3:54803114-54807791	7.6147	9.6449	0.3410	0.222325
Mab21l2	chr3:86545580-86548283	3.6799	2.5320	-0.5394	0.412188
Rnf38	chr4:44126209-44233789	15.6654	14.0570	-0.1563	0.346060

Nipsnap3b	chr4:53011879-53022060	19.8025	16.6721	-0.2482	0.277009
Btf3l4	chr4:108814294-108833614	2.0021	2.6693	0.4149	0.232521
Btbd19	chr4:117119218-117125725	8.9609	10.7717	0.2655	0.218941
Gm13063	chr4:132048177-132048961	2.5831	1.2035	-1.1018	0.332343
ld3	chr4:136143496-136145755	24.8457	29.6973	0.2573	0.326346
Dnajc16	chr4:141760188-141790931	5.8743	5.0213	-0.2264	0.279045
Angptl7	chr4:148495182-148500460	0.5113	0.9906	0.9541	0.346244
Hal	chr10:93488767-93519304	0.2889	0.1464	-0.9802	0.128558
Fscn1	chr5:142960342-142973185	0.1206	0.4488	1.8957	0.223235
Alpk2	chr18:65265528-65393888	0.0495	0.1823	1.8815	0.210832
Nfic	chr10:81396185-81431005	1.5895	1.0938	-0.5392	0.445228
Zfp867	chr11:59461196-59472474	4.8366	6.1286	0.3416	0.335707
Smurf2	chr11:106820065-106920715	17.9748	15.7431	-0.1913	0.438606
Rbm25	chr12:83631235-83683123	27.3883	25.0897	-0.1265	0.365758
Golga5	chr12:102469133-102497902	30.5303	34.4601	0.1747	0.108818
D430019H16Rik	chr12:105453855-105493095	1.7510	2.5000	0.5138	0.394630
Zkscan3	chr13:21387012-21402755	16.4673	14.7408	-0.1598	0.344733
Rbks	chr5:31624438-31697627	6.0185	4.4359	-0.4402	0.171104
Gm16121	chr5:140101198-140107591	1.4910	0.7513	-0.9889	0.356632
Mkln1os	chr6:31366884-31398773	0.8540	0.3460	-1.3034	0.339057
Zfp780b	chr7:27962707-27975368	6.6034	5.1240	-0.3659	0.429090
Gm16171	chr7:80907824-80908148	4.0694	1.2889	-1.6587	0.265598
Zfp764	chr7:127403667-127406822	5.2784	6.7809	0.3614	0.296961
Cyp4v3	chr8:45269670-45333216	4.1200	4.9721	0.2712	0.184450
Cwf19l2	chr9:3404084-3479236	14.3481	16.4848	0.2003	0.124143
Mrps22	chr9:98588732-98601679	26.6363	22.9065	-0.2176	0.131242
Acpp	chr9:104288250-104337728	0.6996	0.4899	-0.5139	0.056555
Nr4a1	chr15:101266845-101274792	34.4485	30.1346	-0.1930	0.390476
Oxsm	chr14:16238655-16249808	6.0121	7.1662	0.2533	0.091366
Fbxl3	chr14:103080238-103099566	31.5086	35.2469	0.1618	0.169497
Vars2	chr17:35655633-35667592	9.0707	7.6946	-0.2374	0.388598
Bfar	chr16:13671857-13703612	18.8475	16.7018	-0.1744	0.321694
Wdr53	chr16:32247226-32257083	5.4809	7.5965	0.4709	0.283833
Gm21987	chr16:38347039-38362297	28.9104	37.0827	0.3592	0.211079
Gabpa	chr16:84834924-84863779	23.0007	26.3993	0.1988	0.317774
Bace2	chr16:97356727-97439012	0.2781	0.6683	1.2649	0.333888
Nek7	chr1:138484713-138619696	61.7582	68.3592	0.1465	0.089702
Suco	chr1:161816111-161876661	23.9169	27.1144	0.1810	0.256691
Pou2f1	chr1:165865153-166002678	9.6664	8.6308	-0.1635	0.403937
Ttn	chr2:76703979-76982547	8.4160	11.6916	0.4743	0.327025
Mrpl20	chr4:155803535-155809776	28.2692	34.8478	0.3018	0.378013
Gm24860	chr9:111244591-111244867	4.3060	1.1176	-1.9460	0.299796
Traj25	chr14:54194814-54194871	62.7429	30.1421	-1.0577	0.383087
Cd79a	chr7:24897380-24902197	1.3322	2.4646	0.8876	0.263236
Chchd2	chr5:129881155-129887470	22.3230	27.7229	0.3125	0.440248
2010107G23Rik	chr10:62107654-62143920	1.6864	0.9891	-0.7698	0.357602
Unc119	chr11:78343481-78349164	14.2714	17.4156	0.2873	0.341047
Zfyve26	chr12:79232346-79296282	9.4139	8.1909	-0.2008	0.401636
Hilpda	chr6:29272487-29275446	6.0806	8.2537	0.4408	0.118844
Dync1li2	chr8:104417673-104443047	18.2244	16.1456	-0.1747	0.341219
Copb2	chr9:98563730-98588375	71.8662	81.6232	0.1837	0.322985
Cers5	chr15:99733505-99772885	20.0704	22.5519	0.1682	0.123877
Skiv2l	chr17:34839227-34850210	34.6530	31.2109	-0.1509	0.392506
Wdr43	chr17:71616214-71659031	71.7012	64.4814	-0.1531	0.435954
Tns1	chr1:73910230-74124447	4.6895	3.9915	-0.2325	0.341176
9230111E07Rik	chr2:167782052-167783486	6.4371	4.1973	-0.6170	0.211210
Mcm9	chr10:53536328-53630439	8.0863	10.1954	0.3344	0.370807
Llph	chr10:120227069-120232071	8.1918	6.2699	-0.3857	0.226165
Kcnmb1	chr11:33963012-33973641	1.0834	0.6414	-0.7563	0.464577
Fam71b	chr11:46396558-46407982	0.7701	0.2992	-1.3640	0.330773
Rad51d	chr11:82876433-82890614	11.7213	10.3104	-0.1850	0.124236
Vipas39	chr12:87238874-87266286	20.3074	23.3018	0.1984	0.127756
Snw1	chr12:87449935-87472299	89.7853	99.0566	0.1418	0.056034
Tom7	chr5:23838943-23844161	35.9063	45.9251	0.3550	0.461677
Cdc7	chr5:106964321-106984432	16.2393	13.9770	-0.2164	0.401969
Gatsl2	chr5:134099710-134144343	1.8839	1.4548	-0.3729	0.300076
BC035044	chr6:128848043-128891126	3.7071	2.8295	-0.3898	0.153191
Gm16187	chr6:129005623-129007961	12.7180	6.1102	-1.0576	0.352126
Gm26522	chr7:88278786-88283529	1.1438	1.9498	0.7695	0.233502
Stim1	chr7:102267823-102436848	26.1874	29.4025	0.1671	0.102179
Gvin1	chr7:106156534-106215340	1.3953	1.7844	0.3548	0.226986

ltpr3os	chr17:27099657-27101440	10.4725	8.0191	-0.3851	0.007713
Gm9843	chr16:76403208-76403712	8.4439	12.5316	0.5696	0.250674
Dpp3	chr19:4907228-4928287	45.6304	41.3914	-0.1407	0.260032
Nfkb2	chr19:46304736-46312090	40.9607	46.4431	0.1812	0.280070
Ndufs1	chr1:63143595-63176822	29.7098	34.6969	0.2239	0.368379
Nup160	chr2:90677214-90736328	9.2033	8.1841	-0.1693	0.299648
Gm14420	chr2:177464732-177478129	0.5038	1.0587	1.0714	0.100165
Pex11b	chr3:96635375-96653101	3.2583	3.9784	0.2881	0.091934
5830415F09Rik	chr4:46376504-46389437	9.6199	8.0248	-0.2616	0.129805
Ddi2	chr4:141677548-141723419	20.7140	18.8125	-0.1389	0.342340
Gm15445	chr1:135152962-135153806	3.4009	1.3162	-1.3696	0.351693
Rdh11	chr12:79174336-79192293	14.1717	12.4556	-0.1862	0.192944
Brd9	chr13:73937837-73960894	38.4649	34.7259	-0.1475	0.210702
Prg4	chr1:150449411-150466165	5.5223	4.5572	-0.2771	0.252491
Smg5	chr3:88336259-88362337	43.7096	39.5116	-0.1457	0.404602
Gm15441	chr3:96555764-96566801	67.6331	75.8467	0.1654	0.121383
Rgp1	chr4:43578714-43587487	9.5325	8.5424	-0.1582	0.070520
Rev3l	chr10:39732117-39875211	14.0633	12.6448	-0.1534	0.394920
Abca7	chr10:79996493-80015572	30.6628	27.1273	-0.1767	0.493559
Ppap2c	chr10:79526429-79533787	2.3638	1.5085	-0.6480	0.250433
Btg1	chr10:96617000-96622813	101.2283	113.3834	0.1636	0.333143
Gm11574	chr11:97048690-97051432	16.1878	12.9945	-0.3170	0.192879
Mical3	chr6:121007240-121081609	3.5942	2.6132	-0.4598	0.409470
Golt1b	chr6:142387220-142403858	15.2227	17.8950	0.2333	0.231567
Egln2	chr7:27158657-27166802	18.0129	21.2167	0.2362	0.324406
Orai3	chr7:127769814-127775150	12.3572	14.9173	0.2716	0.236927
Rprl3	chr8:3803068-3803358	4.0180	1.7265	-1.2186	0.211896
Bbx	chr16:50191843-50432390	10.6946	9.6565	-0.1473	0.328884
Efhc1	chr1:20951625-20990838	0.5693	1.0876	0.9339	0.341244
Ncoa5	chr2:165000356-165034867	13.2330	11.4046	-0.2145	0.390486
Fdxr	chr11:115268023-115277050	12.5785	14.7530	0.2300	0.153106
Preb	chr5:30950852-30960330	14.6457	13.2307	-0.1466	0.258498
Rpl9	chr5:65388363-65391443	13.1149	11.2810	-0.2173	0.260456
Ercc2	chr7:19382009-19395694	16.5889	14.6142	-0.1829	0.341030
Gm12758	chr7:34234376-34240207	6.5138	5.3983	-0.2710	0.324077
Palb2	chr7:122107261-122132946	2.6898	2.1342	-0.3338	0.235514
Hgsnat	chr8:25944458-25976744	12.2710	14.3689	0.2277	0.100117
lrak1bp1	chr9:82829805-82847688	0.8623	1.5157	0.8138	0.233205
Ftsj1	chrX:8238667-8252406	3.3310	2.6485	-0.3308	0.246749
Gm3636	chr14:6735684-6875155	2.8707	4.0184	0.4852	0.181183
Ager	chr17:34597861-34600934	2.3124	1.5145	-0.6105	0.203442
NA	chr17:34996735-35000958	53.7085	59.3383	0.1438	0.085868
Dnase1	chr16:4036941-4040024	5.9710	4.8512	-0.2996	0.199513
Rttn	chr18:88971789-89131013	5.2502	6.0712	0.2096	0.045098
mt-Rnr1	chrM:69-1024	811.1623	578.6817	-0.4872	0.334348
Adh5	chr3:138443092-138455499	30.7180	35.7162	0.2175	0.315374
Usp48	chr4:137593754-137658537	18.9179	17.3821	-0.1222	0.203422
Dusp9	chrX:73639418-73643514	0.2465	0.5888	1.2561	0.167430
Plekhg6	chr6:125362659-125380793	0.4590	0.1612	-1.5093	0.460648
Emilin1	chr5:30913401-30921278	1.4059	0.9903	-0.5056	0.317182
Slc25a17	chr15:81318920-81360765	23.3780	27.3752	0.2277	0.189907
Tyms	chr5:30058201-30073617	6.2958	7.4737	0.2474	0.274132
Mir3101	chr7:27176005-27176093	11.9028	25.9442	1.1241	0.265093
9030407P20Rik	chr7:120673438-120677560	1.4558	2.2512	0.6289	0.277631
Pttg1ip	chr10:77581719-77598732	18.2366	21.1821	0.2160	0.299839
Bcl2l15	chr3:103832600-103854618	0.4763	0.9287	0.9633	0.187877
C130046K22Rik	chr11:103697723-103722832	2.2808	0.8288	-1.4605	0.251614
Trim23	chr13:104178796-104203372	6.8433	8.5603	0.3230	0.372161
Wdr24	chr17:25823626-25828730	13.7691	16.0847	0.2243	0.244502
Naa25	chr5:121397935-121444378	12.0919	10.8098	-0.1617	0.283980
Zfp933	chr4:147822985-147848366	10.0561	8.5566	-0.2330	0.330247
Crabp2	chr3:87948665-87953376	1.8157	0.6764	-1.4246	0.252071
Nfe2l3	chr6:51432669-51458768	7.2428	6.1193	-0.2432	0.060482
BC049715	chr6:136828842-136840536	3.6165	1.8107	-0.9980	0.334692
Mex3b	chr7:82867332-82871563	7.7816	6.4473	-0.2714	0.289162
Smpd5	chr15:76294433-76296896	5.3678	7.0314	0.3895	0.275168
Ercc3	chr18:32240299-32270151	20.4336	18.1567	-0.1704	0.191591
Fap	chr2:62500942-62574075	0.4097	0.2282	-0.8443	0.226349
Scyl2	chr10:89638720-89686285	11.5650	10.4156	-0.1510	0.316079
2210015D19Rik	chr11:5762128-5784710	2.9367	3.9037	0.4106	0.267625
Kcnab3	chr11:69326257-69333042	0.3100	0.7113	1.1982	0.257703

Mtr	chr13:12186541-12258113	15.2702	13.4621	-0.1818	0.285477
Rchy1	chr5:91948903-91963068	18.1177	15.9485	-0.1840	0.270288
Ryr1	chr7:29003339-29125151	0.1012	0.0490	-1.0457	0.159131
Uba2	chr7:34140688-34169599	47.4112	54.0556	0.1892	0.350595
Mcee	chr7:64392644-64412121	3.6587	6.0951	0.7363	0.283232
Pde8a	chr7:81213595-81334533	2.9025	4.0239	0.4713	0.329890
Aldoa	chr7:126795233-126800751	130.7736	150.3115	0.2009	0.467395
Setd1a	chr7:127776669-127800122	6.0068	5.2690	-0.1891	0.139453
Tnks	chr8:34829178-34965690	9.1579	7.8944	-0.2142	0.416454
2310045N01Rik	chr8:70139498-70167488	15.3235	12.8908	-0.2494	0.440806
Cyba	chr8:122424771-122432940	178.5422	205.6898	0.2042	0.397949
Pgm3	chr9:86552475-86571842	9.4548	8.1908	-0.2071	0.317044
1700123O20Rik	chr14:54686170-54690742	22.6305	26.6484	0.2358	0.225269
3110052M02Rik	chr17:21657581-21662540	7.2325	5.3964	-0.4225	0.263304
Mmp25	chr17:23629457-23645269	0.1818	0.4136	1.1856	0.268359
Gm14021	chr2:121700764-121701725	2.2178	1.0723	-1.0484	0.260005
Cog6	chr3:52982122-53017223	13.4030	16.3262	0.2846	0.341864
Selt	chr3:58576635-58593133	26.7181	30.6430	0.1977	0.280561
Srsf4	chr4:131873616-131901706	22.6283	19.9921	-0.1787	0.345458
Chrm3	chr13:9877228-9878998	0.3017	0.8907	1.5619	0.383202
Arpc1b	chr5:145114214-145130705	66.1772	73.4225	0.1499	0.255966
Taok2	chr7:126865677-126884703	15.3911	13.6302	-0.1753	0.444034
Rcc1	chr4:132331918-132353605	10.4467	12.6539	0.2765	0.306059
Bmp7	chr2:172868011-172940321	4.4448	5.6953	0.3577	0.432310
Zfp655	chr5:145231722-145247302	17.9535	15.7939	-0.1849	0.379623
Vdac2	chr14:21831268-21845879	33.1279	29.9682	-0.1446	0.359787
Selk	chr14:29968307-29975074	22.8636	18.8465	-0.2788	0.351042
Sf1	chr19:6363689-6378030	37.6079	34.1178	-0.1405	0.408019
Tiprl	chr1:165214921-165236943	17.6997	21.4129	0.2748	0.284736
Trmt13	chr3:116581092-116614587	9.0464	7.7852	-0.2166	0.342531
Espn	chr4:152120330-152152371	3.3320	2.6884	-0.3096	0.304890
Abi3bp	chr16:56477845-56690128	0.2103	0.4994	1.2474	0.325211
2610028H24Rik	chr10:76449080-76461110	0.3719	0.8857	1.2517	0.146779
Eef1a1	chr9:78478448-78489151	1431.5883	1601.4010	0.1617	0.363650
Cyb561a3	chr19:10577453-10588548	12.4925	9.9735	-0.3249	0.257964
9330160F10Rik	chr11:69057717-69060483	5.0513	3.8572	-0.3891	0.333393
Mrpl38	chr11:116131816-116138868	10.2998	8.7558	-0.2343	0.167375
Atmin	chr8:116943392-116960445	14.0745	12.5699	-0.1631	0.217592
1810009A15Rik	chr19:8888902-8890740	59.3510	73.6587	0.3116	0.374577
Gm13008	chr4:136003565-136010937	18.0407	23.4778	0.3800	0.141391
Tnfrsf22	chr7:143634807-143649661	2.7551	2.0962	-0.3944	0.289041
Rfx1	chr8:84066835-84096992	18.6307	15.4939	-0.2660	0.494953
Fbxl8	chr8:105264647-105269326	6.9436	8.9071	0.3593	0.299837
Gm26778	chr14:102978219-102982528	2.3763	3.1733	0.4173	0.217809
NA	chr14:102978219-102982528	2.3763	3.1733	0.4173	0.217809
Bcl2l1	chr2:152780667-152831728	8.6027	10.3736	0.2700	0.341346
Gm15697	chr6:38542302-38546074	0.1648	0.4165	1.3378	0.126319
Tmem5	chr10:122078113-122097371	2.9854	3.9669	0.4101	0.307527
Mir546	chr10:126998439-126998560	68.4418	48.5539	-0.4953	0.362501
Gm12057	chr11:22758593-22859544	3.7032	5.0314	0.4422	0.274934
Chmp6	chr11:119913440-119919548	13.2105	15.8588	0.2636	0.290995
Idi1	chr13:8885500-8892451	0.9838	0.5988	-0.7162	0.150172
Tmem161b	chr13:84222295-84295966	8.9122	11.5151	0.3697	0.410841
Lrrc8b	chr5:105415774-105486189	5.9687	7.7649	0.3796	0.357248
Hscb	chr5:110829069-110839777	14.3664	18.9013	0.3958	0.275956
Gm4876	chr6:17065009-17171833	3.0488	4.0649	0.4150	0.355413
Eif3c	chr7:126546454-126566411	129.6106	118.1842	-0.1331	0.418931
Dusp7	chr9:106368631-106375724	12.7285	10.9894	-0.2120	0.285059
Nkrf	chrX:36887539-36902899	6.5611	5.4279	-0.2735	0.233008
Gm10337	chr15:102503721-102503886	15.6396	6.8173	-1.1979	0.316607
Glt8d1	chr14:31001392-31012441	6.0264	4.8364	-0.3174	0.200602
Gm26916	chr14:61629483-61630414	9.9533	6.1908	-0.6850	0.307516
H2-Ab1	chr17:34263208-34269418	4.2559	5.8826	0.4670	0.316037
A1846148	chr19:7356463-7383026	7.3126	5.9399	-0.2999	0.346243
Dpcd	chr19:45560614-45578279	11.5002	14.3406	0.3185	0.178785
Ldb1	chr19:46032592-46045214	100.3349	92.6604	-0.1148	0.348361
Trub1	chr19:57452905-57491005	4.4915	3.6135	-0.3138	0.429731
Cnot11	chr1:39534991-39546881	20.9423	18.5530	-0.1748	0.333854
Wac	chr18:7868831-7973547	21.2776	19.4790	-0.1274	0.181154
Epg5	chr18:77938466-78035027	11.2060	10.1411	-0.1441	0.279109
Gapvd1	chr2:34676183-34755232	26.7578	24.8323	-0.1077	0.099066

Cdca7	chr2:72476158-72486893	24.7278	21.2023	-0.2219	0.465850
Inafm2	chr2:118745757-118748810	7.5634	6.3500	-0.2523	0.223751
Gm14233	chr2:131298544-131299835	12.5057	8.5510	-0.5484	0.309795
Pigt	chr2:164497519-164508301	11.4360	9.5437	-0.2610	0.481490
Hist2h2ab	chr3:96219864-96220308	11.8332	16.7337	0.4999	0.146917
Mmp28	chr11:83440767-83463071	0.1134	0.3147	1.4725	0.206542
Mirlet7a-1	chr13:48538178-48538272	12.7057	3.9732	-1.6771	0.340210
Mitf	chr6:97807057-98021349	0.0345	0.1460	2.0828	0.248545
Gpr56	chr8:94977108-95014208	0.1327	0.3777	1.5087	0.178126
Mir98	chrX:151913213-151913321	11.1884	4.0821	-1.4546	0.258613
Rnls	chr19:33137746-33392295	1.2596	2.4085	0.9352	0.140512
Bag2	chr1:33745483-33757794	0.8895	1.6345	0.8778	0.279681
Gm15790	chr1:129796607-129797858	0.3974	1.0653	1.4227	0.232468
Gm11465	chr2:165880024-165882056	0.6873	2.3179	1.7538	0.184989
T2	chr17:8372395-8422728	0.1890	0.5174	1.4533	0.091939
Nktr	chr9:121719168-121756843	28.3503	26.3491	-0.1056	0.253417
Pgm1	chr5:64092935-64128355	8.5673	10.4966	0.2930	0.195230
Gm7598	chrX:38476460-38482486	0.4391	0.1739	-1.3366	0.163156
Neu1	chr17:34931252-34935953	15.9237	18.2222	0.1945	0.175732
Ccdc112	chr18:46282150-46311928	0.3755	0.1202	-1.6434	0.185757
Fam214a	chr9:74953052-75032468	15.9701	18.3331	0.1991	0.229443
Krt17	chr11:100256216-100261029	1.1194	0.4759	-1.2339	0.126033
Gm17022	chr8:13086508-13087430	1.1741	2.4873	0.1830	0.157849
Cct5	chr15:31590799-31601847	184.9039	166.2999	-0.1530	0.487616
Il2ra	chr2:11642791-11693191	37.7516	34.3846	-0.1348	0.313082
Dusp2	chr2:127336158-127338376	61.5940	69.7191	0.1788	0.264499
Gm12230	chr11:54947434-54947888	6.1040	3.4948	-0.8045	0.318793
Serpina3h	chr12:104236241-104253778	2.2424	1.2955	-0.7915	0.359354
Gdi2	chr13:3538074-3566261	143.2626	159.2997	0.1531	0.258193
Bpgm	chr6:34476206-34505613	8.6235	10.1858	0.2402	0.151395
Shq1	chr6:100573080-100671157	6.4973	5.1053	-0.3478	0.322064
Gtf3c1	chr7:125640954-125707780	28.2251	25.4717	-0.1481	0.419008
A430078G23Rik	chr8:3353414-3390295	29.2961	26.1688	-0.1629	0.323520
N4bp1	chr8:86841138-86885258	13.3364	15.2311	0.1917	0.254858
Ncapd3	chr9:27030174-27095311	30.1949	28.0084	-0.1084	0.030232
Gm26609	chr9:62804477-62808234	1.2012	0.3752	-1.6789	0.187142
Cdc25a	chr9:109875578-109893888	13.8422	12.2688	-0.1741	0.193591
Ndufa6	chr15:82350138-82354291	93.3221	114.5596	0.2958	0.429401
Hdac10	chr15:89123306-89128700	16.0608	14.0685	-0.1911	0.313075
Rpl15	chr14:18267822-18271391	18.6368	15.9910	-0.2209	0.367899
Cnih1	chr14:46775581-46788411	19.2323	23.1267	0.2660	0.315206
Drp1	chr19:5422804-5424979	44.3615	51.2937	0.2095	0.303185
Dock8	chr19:24999528-25202432	69.6385	63.8379	-0.1255	0.432331
Hs6st1	chr1:36068399-36106446	6.8607	5.8497	-0.2300	0.133955
Clk1	chr1:58410188-58424066	92.1035	85.9021	-0.1006	0.262055
Mterf4	chr1:93299210-93305915	5.5841	6.5597	0.2323	0.090117
Farp2	chr1:93512078-93621976	1.6662	1.2367	-0.4300	0.208603
Atg4b	chr1:93751499-93789434	11.8344	10.5592	-0.1645	0.266865
Gm10125	chr18:5491502-5593505	0.8022	0.5455	-0.5564	0.328185
Abl1	chr2:31688375-31804227	9.3782	8.4003	-0.1589	0.342934
Med19	chr2:84678401-84688215	18.7721	15.9472	-0.2353	0.386140
Chchd5	chr2:129129699-129134134	5.5472	7.2514	0.3865	0.221401
Hs2st1	chr3:144431102-144570181	4.9900	4.1263	-0.2742	0.302884
Nol6	chr4:41114426-41124455	14.1655	12.5323	-0.1767	0.341148
Fancg	chr4:43002342-43010506	4.4844	5.6526	0.3340	0.230285
Gngt2	chr11:95837215-95845734	5.1335	6.6163	0.3661	0.141389
Cldn25	chr16:58727909-58734251	13.1664	15.7224	0.2560	0.282175
Nipbl	chr15:8291224-8444463	55.5530	50.6578	-0.1331	0.429624
Flnb	chr14:7817956-7951588	18.9306	21.4637	0.1812	0.349419
Erlin2	chr8:27023798-27039433	8.6967	10.3242	0.2475	0.291770
Trpv2	chr11:62574485-62600515	23.6800	26.8690	0.1823	0.294263
Cdkn2b	chr4:89306288-89311032	0.6238	1.4797	1.2461	0.283780
Rnf40	chr7:127588697-127603605	45.2296	41.0533	-0.1398	0.409087
Gm11693	chr11:113678529-113679331	2.8568	1.0033	-1.5096	0.300473
Rffl	chr11:82802448-82871210	7.5464	8.9814	0.2512	0.301605
Nampt	chr12:32820334-32853369	23.6989	27.4962	0.2144	0.411365
Cdkl5	chrX:160784307-160994702	0.5208	0.8555	0.7162	0.154177
Atxn7	chr14:14012490-14107296	16.3024	14.6518	-0.1540	0.356757
Gm17210	chr14:32292923-32294974	6.0313	3.2024	-0.9133	0.332898
Tbl3	chr17:24697948-24707660	14.2833	12.1737	-0.2306	0.489474
Scaf4	chr16:90228956-90284425	11.1732	9.6065	-0.2180	0.420843

Stam	chr2:14074099-14148338	7.3935	6.4714	-0.1922	0.134330
Rap1gds1	chr3:138925905-139075199	46.6556	43.0150	-0.1172	0.191456
Zfp850	chr7:27988711-28008416	7.3211	9.5670	0.3860	0.344853
Mndal	chr1:173857220-173942491	173.0285	193.8836	0.1642	0.323292
Nhlrc3	chr3:53448587-53463323	7.4144	6.2747	-0.2408	0.402771
Mrgpre	chr7:143778364-143784500	1.0977	1.6363	0.5760	0.326891
Zfp40	chr17:23173868-23193252	3.7853	5.0776	0.4237	0.327898
Lyrm9	chr11:78826583-78846870	4.0737	4.7768	0.2297	0.168705
Tst	chr15:78399555-78405859	2.4602	1.4038	-0.8094	0.218654
Tmem39b	chr4:129676354-129696838	2.3846	3.3539	0.4921	0.238342
Tmem240	chr4:155734799-155740564	1.2069	0.8997	-0.4238	0.036012
2900089D17Rik	chr5:144241689-144256186	0.5149	0.1722	-1.5799	0.235225
Rad21	chr15:51962604-51991760	52.5007	58.4057	0.1538	0.220940
Cdc40	chr10:40831625-40883143	9.9502	11.9687	0.2665	0.293148
Arid3a	chr10:79927042-79955018	4.9757	5.9511	0.2582	0.226796
Kremen1	chr11:5191551-5261558	6.2565	5.4031	-0.2116	0.364323
Zfp62	chr11:49203291-49218816	42.4212	38.9727	-0.1223	0.333430
Fmn1	chr11:103171106-103198901	40.8625	36.0896	-0.1792	0.509123
Gm11719	chr11:107330707-107331058	9.8456	6.2674	-0.6516	0.223564
Trib2	chr12:15791726-15816877	83.3876	75.0643	-0.1517	0.476721
Elmo1	chr13:20090506-20608353	17.2624	15.4817	-0.1571	0.469808
Kdm1b	chr13:47043498-47084613	14.4964	16.4004	0.1780	0.110431
Cenpk	chr13:104228954-104249615	3.3987	5.0187	0.5623	0.354904
Ppap2a	chr13:112800893-112867881	3.7945	5.1821	0.4497	0.261777
Trbj2-3	chr6:41543222-41543271	98.5787	146.0788	0.5674	0.287423
Asb7	chr7:66644564-66689596	5.6560	4.9141	-0.2028	0.175320
AU020206	chr7:75769761-75782099	72.9079	88.8549	0.2854	0.438535
Znrf1	chr8:111536096-111626030	17.4473	15.7706	-0.1458	0.338205
Folr4	chr9:14885813-14903949	163.6300	184.5362	0.1735	0.393999
Aagab	chr9:63602654-63641889	23.0769	26.1861	0.1824	0.113401
Ammecr1	chrX:142851145-142966728	3.6323	2.9063	-0.3217	0.422519
Haus4	chr14:54541784-54554361	21.0643	24.8586	0.2389	0.256887
Kif13b	chr14:64652530-64806296	17.3915	20.3459	0.2264	0.398586
Rnaset2b	chr17:6978859-7011299	0.4550	0.8274	0.8627	0.182445
Pglyrp2	chr17:32413099-32424167	50.1109	56.1097	0.1631	0.173106
Pbx2	chr17:34591265-34597400	26.1374	23.6729	-0.1429	0.271020
Gm15537	chr16:3927788-3929357	3.4160	6.1718	0.8534	0.283562
Snx29	chr16:11322907-11755472	2.7140	2.2069	-0.2984	0.250903
Rab1b	chr19:5099206-5106996	54.1623	63.0261	0.2187	0.414950
Bivm	chr1:44118956-44144770	3.0835	3.9591	0.3606	0.295429
Mettl13	chr1:162532126-162548551	3.6992	3.2193	-0.2005	0.046149
Pigm	chr1:172376530-172384099	13.2362	14.9058	0.1714	0.190675
Camk1d	chr2:5293456-5714515	6.1042	5.2782	-0.2097	0.324064
Hat1	chr2:71388957-71441622	20.1754	23.3742	0.2123	0.273157
Gm14029	chr2:129182481-129183947	3.7254	5.4577	0.5509	0.254418
Npnt	chr3:132881744-132950291	1.0088	0.6228	-0.6958	0.367144
Ctbs	chr3:146450469-146465849	4.4767	5.7410	0.3589	0.260024
Nsmaf	chr4:6396206-6454271	37.0636	40.9868	0.1452	0.218820
Slc35e2	chr4:155601415-155623340	14.8479	13.5116	-0.1361	0.134032
NA	chr4:155694341-155696481	1.9904	3.1166	0.6469	0.290009
B930041F14Rik	chr4:155694341-155696481	1.9886	3.1137	0.6469	0.290009
Ddx11	chr17:66123519-66152167	12.9276	11.6278	-0.1529	0.014730
Gm20479	chr7:27352648-27357419	25.3191	20.2315	-0.3236	0.202399
Slc30a7	chr3:115938972-116007406	12.6924	11.3396	-0.1626	0.400922
AA415398	chr4:119530307-119539529	1.7280	1.1507	-0.5865	0.290646
Fam101b	chr11:76019193-76027782	8.9125	10.8345	0.2817	0.333095
Dus4l	chr12:31640054-31654826	5.5669	4.2757	-0.3807	0.202397
Tgfb3	chr12:86056743-86079041	0.7645	1.1647	0.6073	0.132511
Ighj4	chr12:113428513-113428567	7.7526	21.2848	1.4571	0.212928
Pop7	chr5:137501437-137502518	11.1893	14.9864	0.4215	0.316557
Gm26699	chr6:38551530-38554007	15.6453	13.0854	-0.2578	0.456153
Olfm2	chr9:20667985-20728219	1.1596	0.6172	-0.9098	0.169179
Gpkow	chrX:7697130-7710262	10.6884	9.2838	-0.2033	0.268273
Fam122b	chrX:53243414-53269805	1.3449	1.9634	0.5459	0.375891
Otub1	chr19:7198201-7206316	32.2499	36.4952	0.1784	0.219001
Ppil4	chr10:7792890-7823135	22.2360	20.1556	-0.1417	0.340400
Ikzf4	chr10:128630842-128645991	8.7045	7.6402	-0.1882	0.312521
Morc2a	chr11:3649493-3690477	17.7676	15.8110	-0.1683	0.404390
Mttr3	chr11:4480867-4594863	59.9274	56.0268	-0.0971	0.248731
C1d	chr11:17257578-17269176	8.3711	10.2138	0.2870	0.357712
Ttc1	chr11:43729511-43748008	18.8577	22.3527	0.2453	0.297985

Rnf145	chr11:44518963-44565520	29.7871	27.6394	-0.1080	0.214470
Cyb5d1	chr11:69391924-69395631	4.4286	5.9355	0.4225	0.246122
Acap1	chr11:69881566-69895539	87.4596	81.1822	-0.1075	0.358421
Pelp1	chr11:70392882-70410031	6.8237	5.7771	-0.2402	0.175694
Atp2a3	chr11:72961168-72993044	70.8497	64.0554	-0.1454	0.493352
Blmh	chr11:76924808-76987379	17.4246	19.6309	0.1720	0.205567
Stxbp4	chr11:90476491-90638084	0.2253	0.3400	0.5937	0.063955
Nme1	chr11:93956978-93968521	40.7943	35.4974	-0.2007	0.493453
Med1	chr11:98152153-98193293	21.6503	19.9072	-0.1211	0.316380
Icam2	chr11:106377655-106388075	17.0553	14.3839	-0.2458	0.367039
Helz	chr11:107547929-107693826	6.5942	5.7739	-0.1917	0.504447
Mif4gd	chr11:115607917-115612969	40.5840	46.5949	0.1993	0.337379
Gm17178	chr11:120689145-120709447	30.7988	22.7986	-0.4339	0.398972
Nubpl	chr12:52097736-52312744	1.2465	0.8738	-0.5125	0.292131
Rdh12	chr12:79208913-79222665	5.6246	4.4678	-0.3322	0.323459
Ddx24	chr12:103407975-103425867	73.1949	80.1109	0.1303	0.045265
Zfp169	chr13:48487646-48513451	6.9440	5.8403	-0.2497	0.494920
Zfp369	chr13:65278813-65304221	10.0331	8.8291	-0.1844	0.336274
NA	chr13:67317941-67360605	5.2936	6.7821	0.3575	0.408144
Gm26965	chr13:67491151-67526151	14.2331	11.8080	-0.2695	0.305274
A530054K11Rik	chr13:67617000-67637791	9.8674	11.3867	0.2066	0.226865
Cetn3	chr13:81783291-81797143	38.1065	46.0120	0.2720	0.378161
Gm20379	chr13:92306088-92306337	7.8333	3.1604	-1.3095	0.352733
Trmt44	chr5:35557205-35575070	5.5973	4.7167	-0.2470	0.208687
D130017N08Rik	chr5:143758324-143767130	1.0072	0.6475	-0.6374	0.264320
Trbj1-1	chr6:41533863-41533911	55.8340	85.5548	0.6157	0.142128
Mrpl35	chr6:71813002-71823810	8.8345	7.3890	-0.2578	0.383273
Wbp1	chr6:83119043-83121559	15.8416	18.9063	0.2551	0.331573
Ankrd53	chr6:83762643-83768326	1.1015	0.6022	-0.8711	0.095550
Arl6ip5	chr6:97210688-97233315	73.0657	82.0813	0.1679	0.160566
Setmar	chr6:108065044-108077122	3.2705	2.2868	-0.5162	0.300860
Ccdc77	chr6:120324322-120364374	4.9373	4.2714	-0.2090	0.224572
Ybx3	chr6:131364857-131388450	49.2540	56.0353	0.1861	0.302738
Ldhd	chr6:142490248-142507957	8.8206	7.0206	-0.3293	0.213878
Zfp446	chr7:12977847-12984340	2.1792	1.7595	-0.3086	0.097889
Gltscr2	chr7:15937837-15946108	156.9261	173.6801	0.1463	0.240130
Ffar2	chr7:30818356-30823775	0.8016	0.3536	-1.1808	0.362652
Gpatch1	chr7:35276535-35318440	5.7399	6.9009	0.2658	0.087248
Z410002F23Rik	chr7:44246721-44262720	15.4738	14.0132	-0.1430	0.353036
Akt1s1	chr7:44848990-44855421	8.5028	7.0152	-0.2774	0.390979
Eftud1	chr7:82648613-82777852	12.8230	11.3397	-0.1774	0.247860
Trim12a	chr7:104299893-104315466	19.4990	22.2237	0.1887	0.328280
Rpl27a	chr7:109519146-109522367	23.1823	19.7466	-0.2314	0.507752
Tubgcp2	chr7:139995954-140036350	24.0129	21.6359	-0.1504	0.241072
Sigirr	chr7:141091174-141100546	48.2236	54.6287	0.1799	0.292011
Camsap3	chr8:3587449-3609074	0.5197	0.2924	-0.8299	0.161266
Nek3	chr8:22128282-22166435	4.4002	3.3541	-0.3916	0.253568
Rfwd3	chr8:111270943-111300222	12.9484	14.7861	0.1915	0.186573
Zfp426	chr9:20468548-20492746	10.7473	12.1728	0.1797	0.023996
Gm16754	chr9:21225370-21232639	10.6328	13.0259	0.2929	0.286889
Qtrt1	chr9:21411836-21420277	16.7071	13.5998	-0.2969	0.424000
Kirrel3	chr9:34486125-35036716	0.8083	0.4617	-0.8077	0.376306
Mir135a-1	chr9:106154123-106154213	14.6895	5.6695	-1.3735	0.321022
Tusc2	chr9:107563254-107566108	16.9374	20.1811	0.2528	0.231805
Ccr3	chr9:124021970-124031689	3.4231	4.6504	0.4420	0.412620
Il13ra1	chrX:36112109-36171259	0.6996	1.2025	0.7814	0.383676
Haus7	chrX:73437314-73459044	9.9514	13.1599	0.4032	0.375073
Zdhhc15	chrX:104536968-104671064	11.8780	13.5474	0.1897	0.243509
Fbxo4	chr15:3965444-3979573	8.1819	9.9305	0.2794	0.114917
Otulin	chr15:27605918-27630693	41.3968	48.2481	0.2210	0.270529
Stk3	chr15:34875495-35155806	4.5735	5.8523	0.3557	0.302747
Nptxr	chr15:79786351-79834333	2.1153	2.6839	0.3435	0.229100
Mief1	chr15:80234079-80253366	15.1837	13.7241	-0.1458	0.237684
Pfkm	chr15:98092588-98132447	7.4859	6.3386	-0.2400	0.156418
Nckap5los	chr15:99427700-99435313	1.6681	0.9695	-0.7828	0.246523
Exoc5	chr14:49012145-49066653	15.5055	14.2277	-0.1241	0.274624
Rabgta	chr14:55715872-55722257	20.1858	17.9732	-0.1675	0.239983
Gm16973	chr14:56696279-56701268	9.6478	8.1494	-0.2435	0.197005
Phf11c	chr14:59380832-59395381	11.7221	13.8896	0.2448	0.318377
Hmbox1	chr14:64811600-64949870	3.3845	2.9269	-0.2096	0.210160
Trim35	chr14:66297030-66311424	26.7192	30.1324	0.1734	0.264813

Dpysl2	chr14:66802863-66868688	25.8732	28.7652	0.1529	0.104179
Kctd4	chr14:75955002-75965217	2.0272	1.3337	-0.6040	0.373711
Dock9	chr14:121542038-121797734	8.2595	7.2494	-0.1882	0.379741
Tulp4	chr17:6106436-6251128	3.3080	2.9292	-0.1755	0.287416
Rab40c	chr17:25882113-25919727	5.0694	4.0709	-0.3165	0.254750
Srpk1	chr17:28587647-28622521	38.8175	35.8093	-0.1164	0.344767
Gm20540	chr17:49427937-49429240	1.9889	0.8689	-1.1947	0.241510
Mllt1	chr17:56892611-56935388	17.2950	14.6388	-0.2406	0.493306
Tnfsf9	chr17:57105384-57107757	3.1013	2.0003	-0.6326	0.183867
Lbh	chr17:72918304-72941942	111.4660	124.6154	0.1609	0.358936
Alg1	chr16:5233620-5244912	14.7197	12.8704	-0.1937	0.260006
Dexi	chr16:10530206-10543054	12.4065	10.1760	-0.2859	0.220223
Snora81	chr16:23110755-23110933	146.6935	232.3072	0.6632	0.510899
NA	chr16:92078061-92083808	17.2148	13.4405	-0.3571	0.024237
Hlcs	chr16:94129194-94313563	7.4091	6.2351	-0.2489	0.451502
Fibp	chr19:5460606-5465052	28.3942	33.0789	0.2203	0.182770
Nudt22	chr19:6993017-6996117	11.4927	14.7273	0.3578	0.326080
Jak2	chr19:29251827-29313080	78.2252	85.5000	0.1283	0.106744
Tm9sf3	chr19:41210841-41264004	80.7676	89.6420	0.1504	0.296599
Fam178a	chr19:44931118-44983787	24.2606	22.3954	-0.1154	0.142769
Acsf5	chr19:55253368-55296627	77.7038	85.7684	0.1425	0.197838
Gm7094	chr1:21272337-21273082	1.5543	0.4219	-1.8811	0.359277
Gmppa	chr1:75435929-75443179	14.6722	17.5886	0.2616	0.340928
Tmem63a	chr1:180942343-180975112	15.8304	13.8588	-0.1919	0.406764
Nek2	chr1:191821443-191833050	6.2660	7.6046	0.2793	0.330648
Bin1	chr18:32377216-32435736	42.4345	47.4723	0.1618	0.171940
Dtwd2	chr18:49696144-49755601	2.9228	2.1923	-0.4149	0.302963
Csf1r	chr18:61105571-61132149	2.9236	2.3405	-0.3210	0.239970
Pnpla7	chr2:24976032-25054057	12.4509	14.0719	0.1766	0.239431
Agpat2	chr2:26593056-26604417	5.7997	7.4744	0.3660	0.318125
Lrrc8a	chr2:30237714-30282148	13.0084	11.6070	-0.1645	0.309305
Ntmt1	chr2:30807825-30823033	7.0504	5.7121	-0.3037	0.302287
Gm13609	chr2:32016643-32017344	5.9686	3.9608	-0.5916	0.065612
Scal	chr2:39066213-39190730	9.6429	8.7818	-0.1350	0.232376
Baz2b	chr2:59899362-60209839	6.2568	5.6366	-0.1506	0.362923
Rbms1	chr2:60750192-60963192	17.9856	16.2264	-0.1485	0.346091
Fam171b	chr2:83812635-83883486	0.0698	0.2002	1.5209	0.293275
Gm13785	chr2:92312153-92312843	2.3356	1.0343	-1.1751	0.143307
Ctdspl2	chr2:121956000-122013642	10.7905	12.1762	0.1743	0.227995
Trmt6	chr2:132804206-132816055	13.8002	12.3883	-0.1557	0.292163
Kif16bos	chr2:142902964-142903572	2.2768	0.7262	-1.6485	0.260368
Gm20721	chr2:174330318-174346712	175.4315	193.5859	0.1421	0.234679
Gm14410	chr2:177183452-177206421	1.9140	2.6407	0.4643	0.111932
Snx16	chr3:10417818-10440124	2.7098	3.7315	0.4615	0.241773
Intu	chr3:40531285-40704774	0.3193	0.1752	-0.8663	0.224501
Slc50a1	chr3:89268245-89270570	48.6582	55.2012	0.1820	0.199194
Polr3gl	chr3:96577871-96594181	11.0228	8.6661	-0.3470	0.394719
Casp8ap2	chr4:32615450-32653265	27.1358	25.0894	-0.1131	0.182948
Melk	chr4:44300875-44364675	6.2296	7.7418	0.3135	0.341710
Invs	chr4:48279759-48431954	4.3098	3.7377	-0.2055	0.410394
Rnf11	chr4:109451097-109484728	9.1383	10.5428	0.2063	0.128697
Ppcs	chr4:119418529-119422420	7.8566	10.0148	0.3502	0.284595
Padi3	chr4:140785364-140810648	0.8313	0.4125	-1.0110	0.438905
Rsc1a1	chr4:141683562-141723419	32.8156	29.3882	-0.1591	0.406738
Rpl22	chr4:152325741-152334071	68.4212	80.7067	0.2382	0.486421
Rer1	chr4:155074109-155086382	76.6437	86.6318	0.1767	0.278870
Mmp23	chr4:155650654-155653384	0.8176	0.4121	-0.9884	0.281865
Rdh9	chr10:127759786-127792697	0.0791	0.2578	1.7045	0.261772
Myh3	chr11:67078299-67102291	0.3419	0.6334	0.8897	0.411650
Gm12305	chr11:68269557-68270879	1.6663	3.7638	1.1755	0.135555
Sfn5os	chr11:82942340-82960681	3.2199	6.1213	0.9268	0.141805
Ccdc176	chr12:84409070-84433780	0.3910	0.7928	1.0197	0.055993
Mblac1	chr5:138194313-138195621	0.3474	0.9124	1.3929	0.146686
M1ap	chr6:82946901-83030183	1.2588	0.5828	-1.1111	0.426355
Gm16589	chr8:4087542-4089900	0.7753	0.3444	-1.1705	0.345907
BC049352	chr9:45182006-45250020	0.7468	1.4452	0.9524	0.234920
Cacna2d2	chr9:107399611-107529346	0.0918	0.2710	1.5618	0.232712
Trav7-3	chr14:53443248-53443838	1.0118	3.4946	1.7881	0.389197
Phf11d	chr14:59347406-59365470	0.4524	0.1733	-1.3843	0.368310
Gm22422	chr16:56035752-56035887	20.5420	34.7515	0.7585	0.360870
A230107N01Rik	chr13:84219580-84222175	0.4570	0.1699	-1.4275	0.440378

Stap1	chr5:86071745-86103993	21.3403	19.0791	-0.1616	0.384740
Smpd4	chr16:17619353-17644828	8.0457	6.9737	-0.2063	0.491847
Lrrfip1	chr1:90998726-91128944	61.3916	67.1449	0.1292	0.158892
3110002H16Rik	chr18:12168716-12189997	20.8610	18.8712	-0.1446	0.352916
Prdm2	chr4:143107390-143212995	12.6025	11.2513	-0.1636	0.393456
Cct8	chr16:87483325-87495873	116.4061	102.4353	-0.1845	0.576763
Hspa4	chr11:53259813-53300457	79.4082	72.8554	-0.1243	0.425757
Fancm	chr12:65075605-65132058	7.5174	6.7049	-0.1650	0.260687
Fastkd3	chr13:68582247-68592279	7.7262	9.3067	0.2685	0.128380
Gm6537	chr7:28756173-28758965	1.0503	0.4525	-1.2149	0.192233
Fam105a	chr15:27655070-27681542	48.5780	43.6871	-0.1531	0.413831
Ccdc134	chr15:82127921-82142200	15.9487	13.7864	-0.2102	0.243076
Hagh	chr17:24840142-24864450	4.9329	6.4253	0.3813	0.200484
Slc23a2	chr2:132052495-132145108	9.9323	9.0085	-0.1408	0.187718
Gm21960	chr3:96412909-96413361	2.5359	5.2129	1.0396	0.193823
Tmem69	chr4:116551632-116555936	3.9690	5.3405	0.4282	0.357028
Clcn1	chr6:42286684-42315756	0.0485	0.1437	1.5656	0.058205
Snora73b	chr4:132352321-132352526	509.8738	691.6972	0.4400	0.449330
Der3	chr10:75893397-75895941	0.9188	1.8461	1.0066	0.187106
Cdc42se2	chr11:54717455-54787675	96.4660	105.8398	0.1338	0.196932
Lrrc75a	chr11:62604883-62648523	4.7674	6.0906	0.3534	0.144477
Gm12333	chr11:75036475-75039348	2.1396	1.3719	-0.6411	0.496383
Atg2b	chr12:105613538-105685241	13.2497	12.2333	-0.1151	0.146365
NA	chr5:36796227-36797729	12.4214	9.9874	-0.3147	0.359820
Lyrm5	chr6:145211133-145216939	9.6115	11.3811	0.2438	0.147349
Gm12764	chr7:34388664-34394779	22.1872	18.0048	-0.3013	0.191346
Ciapiin1	chr8:94819817-94838358	7.2372	8.3606	0.2082	0.198281
Nbeal2	chr9:110624788-110654161	23.1087	20.1374	-0.1986	0.550073
Txlng	chrX:162778918-162829454	5.4923	4.7773	-0.2012	0.292122
Ndrgr2	chr14:51905270-51913488	12.5924	10.7291	-0.2310	0.246744
Gm27017	chr14:61648949-61667312	5.2058	2.7689	-0.9108	0.319333
Gpr180	chr14:118137126-118164232	5.1581	6.4960	0.3327	0.316075
Gfer	chr17:24693190-24696156	14.3814	12.1146	-0.2475	0.309993
Cd200	chr16:45382134-45409053	23.7407	21.5655	-0.1386	0.202313
Cwf19l1	chr19:44108643-44135876	7.1526	8.3983	0.2316	0.069407
Ier3ip1	chr18:76930016-76941605	17.8076	21.5147	0.2728	0.405706
D330023K18Rik	chr2:31146456-31152291	3.7934	2.5320	-0.5832	0.306934
Lrsam1	chr2:32925215-32961614	3.4230	2.6801	-0.3529	0.445181
Gm9845	chr3:39357393-39359128	0.6460	1.1501	0.8322	0.083554
Cd1d1	chr3:86995833-86999441	12.4101	14.7316	0.2474	0.212136
Gm16740	chr3:95217456-95226658	9.4395	7.3614	-0.3587	0.061507
Dcaf12	chr4:41291299-41314889	23.7549	21.6536	-0.1336	0.106878
Oma1	chr4:103313811-103371868	15.1549	13.2393	-0.1950	0.142405
Gm5778	chr10:73201694-73202766	0.9322	0.3062	-1.6063	0.204527
Hist1h2bp	chr13:21787460-21789213	1.0712	2.4252	1.1789	0.231276
Prob1	chr18:35652166-35655187	0.4410	0.1586	-1.4757	0.279269
Cdhr3	chr12:33033795-33092875	0.8107	0.3806	-1.0910	0.368075
Ezh2	chr6:47530273-47595341	11.8164	13.7205	0.2155	0.333178
Smarce1	chr11:99209046-99231017	10.7924	9.6975	-0.1543	0.296904
Acads	chr5:115110298-115119346	14.3192	17.1620	0.2613	0.367746
Gm10390	chr5:120121102-120139263	2.8435	2.4389	-0.2214	0.061323
Zfp248	chr6:118427318-118455528	0.6683	1.0063	0.5904	0.141221
Ing2	chr8:47667177-47675556	4.0227	5.2342	0.3798	0.330291
Slain1	chr14:103650227-103704907	24.5683	28.0828	0.1929	0.339622
Tfb1m	chr17:3519262-3557713	9.7994	7.6533	-0.3566	0.350949
Rrn3	chr16:13780698-13814840	37.5690	32.8192	-0.1950	0.525882
Fam53c	chr18:34758905-34773760	8.2880	7.3283	-0.1776	0.058794
Gm13707	chr2:73421908-73429142	4.7937	2.9833	-0.6842	0.162356
Rcan3	chr4:135412307-135433853	19.9093	18.0753	-0.1394	0.244704
NA	chr17:32285106-32285177	7.9680	18.1795	1.1900	0.450787
1700120B22Rik	chr10:63243073-63244148	22.7805	17.6013	-0.3721	0.187877
Fcf1	chr12:84970896-84983303	14.8229	18.9187	0.3520	0.352254
Ccdc91	chr6:147475870-147632612	10.1245	8.5929	-0.2366	0.314456
Napsa	chr7:44572431-44586862	0.4263	0.9294	1.1244	0.284715
Prr12	chr7:45027706-45052881	3.6668	2.9127	-0.3322	0.524189
Rp9	chr9:22448310-22468356	55.0645	48.7907	-0.1745	0.320463
Jade3	chrX:20425687-20519939	4.8877	4.0868	-0.2582	0.302585
Kcnk7	chr19:5704366-5707101	1.8991	1.1277	-0.7520	0.211161
Kif14	chr1:136467957-136531511	2.0168	2.5271	0.3254	0.382503
Clk2	chr3:89164794-89176921	21.5044	19.3496	-0.1523	0.393302
Plekhf2	chr4:10988661-11007927	15.3219	17.6198	0.2016	0.185891

Eml1	chr12:108370956-108539617	0.0454	0.1224	1.4318	0.185676
Gm24846	chr7:104264682-104264790	6.3133	14.2058	1.1700	0.134494
Ms4a6b	chr19:11516511-11531256	268.8864	299.4340	0.1552	0.378490
Ksr2	chr5:117413999-11775003	0.2343	0.3613	0.6245	0.349336
Morn1	chr4:155086576-155145505	1.0779	0.5949	-0.8575	0.553924
4632415L05Rik	chr3:19894885-19895962	11.1878	8.8457	-0.3389	0.207886
Mrpl1	chr5:96209492-96266727	6.7626	8.2143	0.2806	0.303569
Gm10548	chr18:34207774-34221772	1.3809	2.1234	0.6208	0.318583
Gm15903	chr5:129727045-129728385	6.1331	2.4127	-1.3459	0.497040
Snx6	chr12:54746348-54795703	35.3509	41.0320	0.2150	0.348174
Ctnnd1	chr2:84600070-84650765	0.2174	0.3997	0.8782	0.349174
Rufy2	chr10:62980222-63017210	12.0964	11.0606	-0.1292	0.189751
Psen1	chr12:83688202-83735199	26.8470	30.0382	0.1620	0.119346
Hnrnpd	chr5:99958425-99978938	17.4692	15.3309	-0.1884	0.464008
Scn1b	chr7:31116524-31126945	1.1186	0.4175	-1.4217	0.293591
Dscr3	chr16:94497782-94526830	22.7532	20.3896	-0.1582	0.351105
Ifit2	chr19:34550693-34576419	22.4785	25.5464	0.1846	0.273382
Lax1	chr1:133679028-133690108	63.1596	71.0705	0.1702	0.315496
Hspa4l	chr3:40744494-40796103	9.9967	9.1030	-0.1351	0.345870
Pkn2	chr3:142790901-142882004	25.5737	23.6208	-0.1146	0.247687
Mcf2l	chr8:12873805-13020905	0.1745	0.0912	-0.9370	0.345103
9330136K24Rik	chr17:21528193-21535878	0.4223	1.0021	1.2466	0.176793
Dzank1	chr2:144470556-144527414	0.2451	0.1126	-1.1216	0.334287
Gm17622	chr13:96490732-96491120	5.4490	18.1230	1.7338	0.153450
Fbxw10	chr11:62847068-62877465	1.9050	1.2865	-0.5663	0.539879
Rny3	chr6:47781623-47781725	29.9967	93.9777	1.6475	0.433683
NA	chr7:28399548-28598144	4.0001	3.2118	-0.3166	0.381729
Vrk3	chr7:44748412-44777515	18.1492	16.2208	-0.1621	0.237815
E2f4	chr8:105297662-105305369	30.4208	26.8748	-0.1788	0.354481
Rps6kc1	chr1:190700201-190911770	3.1808	2.6980	-0.2375	0.369453
Romo1	chr2:156144038-156145797	17.6032	23.3155	0.4055	0.369249
Ndufaf6	chr4:11051044-11076205	3.7969	5.5234	0.5407	0.322222
Tjp3	chr10:81273206-81291267	6.7998	8.5067	0.3231	0.388834
Gm9754	chr5:118065359-118069710	6.4898	5.2660	-0.3015	0.367569
Flt3l	chr7:45131187-45136432	21.9469	19.4676	-0.1729	0.431330
Zfp646	chr7:127876795-127885996	47.7274	43.6737	-0.1281	0.448125
Bud13	chr9:46283007-46298783	5.5151	4.5877	-0.2656	0.299421
Gm14379	chrX:7375924-7378042	0.4817	0.1604	-1.5862	0.419664
Itgb7	chr15:102215994-102231935	282.7671	314.5198	0.1535	0.370999
Ccdc186	chr19:56787480-56822190	8.7128	7.6741	-0.1831	0.384682
Zfp68	chr5:138604615-138619761	23.7888	27.4058	0.2042	0.345207
Map1lc3b	chr8:121590360-121598760	8.3474	9.5177	0.1893	0.257956
Pi4k2a	chr19:42090434-42122218	8.7865	7.3765	-0.2524	0.451184
Gm7658	chr1:21511869-21513127	0.3419	0.8949	1.3880	0.156048
Eri1	chr8:35465264-35495533	21.7968	24.4573	0.1661	0.256895
Acmsd	chr1:127729412-127767564	0.6523	0.2170	-1.5882	0.402362
Etohi1	chr2:178023283-178034022	11.0948	8.9467	-0.3105	0.436715
Cyp2s1	chr7:25802474-25816913	0.8299	1.2950	0.6421	0.384078
Ubtf	chr11:102304559-102319742	50.8664	47.4859	-0.0992	0.278546
2810008D09Rik	chr11:117076789-117078955	21.3949	18.9268	-0.1768	0.237308
Sf3b5	chr10:13008449-13009182	51.4756	60.9030	0.2426	0.345187
Ntn4	chr10:93640680-93747207	2.1271	1.4789	-0.5243	0.420182
Trp53i13	chr11:77508098-77515980	2.5748	3.4587	0.4258	0.119382
E130012A19Rik	chr11:97627392-97629716	3.9902	2.8341	-0.4936	0.377043
Fbxo24	chr5:137612502-137629002	2.4863	1.7437	-0.5119	0.206926
Tbc1d17	chr7:44840900-44849079	15.6635	13.8070	-0.1820	0.330657
Gm5901	chr7:105375097-105378287	3.6089	2.2774	-0.6642	0.241840
Wdr13	chrX:8123300-8132892	11.6187	10.2076	-0.1868	0.418987
Slc52a2	chr15:76538942-76542130	12.9999	11.1850	-0.2169	0.331617
Tpr	chr1:150392837-150449935	85.4013	79.8202	-0.0975	0.350285
Amy1	chr3:113555709-113606699	2.8021	3.6109	0.3658	0.197154
Lsm7	chr10:80852824-80855209	2.4828	5.0053	1.0115	0.198636
Sardhos	chr2:27189381-27234710	4.6653	1.6836	-1.4704	0.228745
Mcoln2	chr3:146149832-146195513	1.0672	2.7308	1.3555	0.172221
Gabbr2	chr4:33062998-33095865	1.2028	2.0217	0.7492	0.324966
Tmem120a	chr5:135735484-135744271	9.7188	12.5040	0.3635	0.385171
Caprin2	chr6:148842491-148896237	1.0419	1.4228	0.4494	0.295581
Kit	chr5:75574915-75656722	0.1693	0.3568	1.0754	0.205165
Wdr66	chr5:123252101-123327484	1.1404	0.7294	-0.6447	0.507312
Cab39l	chr14:59440980-59548903	15.3519	18.2878	0.2525	0.372106
Mlxip	chr5:123394797-123457932	8.1113	7.0941	-0.1933	0.470732

Apobec3	chr15:79891658-79915906	36.9522	41.1242	0.1543	0.281471
Car14	chr3:95897767-95904691	1.7035	1.1885	-0.5194	0.053587
Mlec	chr5:115142980-115158179	79.8551	75.1104	-0.0884	0.177112
Tpst1	chr5:130073325-130135729	3.9345	5.1114	0.3775	0.299470
Epm2aip1	chr9:111271844-111279089	16.2602	14.8121	-0.1346	0.291822
Ddx43	chr9:78395776-78423587	4.6913	6.0302	0.3622	0.279183
Gm15743	chr16:31427875-31429776	2.5805	1.7420	-0.5669	0.336546
Adcy1	chr11:7063488-7178506	0.0308	0.0907	1.5587	0.249010
Mien1	chr11:98437707-98438991	51.2190	44.0628	-0.2171	0.371072
Kctd10	chr5:114363566-114380515	25.5863	28.2663	0.1437	0.027607
Ppp5c	chr7:17004639-17027924	25.2636	22.6392	-0.1582	0.371096
Zfp36	chr7:28376783-28379255	28.5682	33.2047	0.2170	0.342817
Tbx6	chr7:126781482-126785560	6.8884	5.1902	-0.4084	0.402791
Gm16675	chr8:46730971-46739515	5.4728	7.2535	0.4064	0.239631
Prkdc	chr16:15637865-15842235	15.9426	14.3520	-0.1516	0.452341
Ctse	chr1:131638305-131675503	6.6543	8.3502	0.3275	0.337084
Fam98b	chr2:117249738-117271540	3.5662	2.8650	-0.3159	0.183151
Rraga	chr4:86575672-86577281	10.6274	13.3512	0.3292	0.338773
Sf3b6	chr12:4817607-4827658	65.5668	76.6905	0.2261	0.395975
A630072L19Rik	chr12:100941741-100949875	11.1506	9.3843	-0.2488	0.450652
Btbd7	chr12:102784655-102878406	17.7213	15.6805	-0.1765	0.436692
Xrcc4	chr13:89774026-90089608	6.5543	5.6438	-0.2158	0.185889
Sirt4	chr5:115478009-115484725	2.8882	2.0019	-0.5288	0.416584
2310014L17Rik	chr7:12927415-12931072	0.2344	0.4922	1.0702	0.292617
Zfp60	chr7:27731388-27753702	4.3616	3.7761	-0.2079	0.312060
Ptov1	chr7:44863067-44869788	4.6386	3.6494	-0.3460	0.486114
Bag3	chr7:128523582-128546977	2.4407	1.7717	-0.4622	0.284250
Saraf	chr8:34154562-34170845	156.5083	171.5182	0.1321	0.220341
Insl3	chr8:71689213-71690575	23.7030	29.7882	0.3297	0.313995
Atg4d	chr9:21265298-21274368	32.0215	29.1119	-0.1374	0.228301
Hmgn3	chr9:83109947-83146685	6.1645	7.6727	0.3158	0.103417
Hemk1	chr9:107327691-107338350	4.9350	5.9968	0.2812	0.133520
Slc22a13b-ps	chr9:119220487-119231692	0.1976	0.6186	1.6466	0.345641
Gtf2h5	chr17:6079785-6086517	7.4213	8.9036	0.2627	0.304168
Phf10	chr17:14945008-14961273	16.7339	15.2124	-0.1375	0.242587
Zfp942	chr17:21926959-21962464	12.2027	14.5038	0.2492	0.456647
Ubxn6	chr17:56067044-56075028	11.8624	13.5526	0.1922	0.281189
Polr2h	chr16:20717664-20722267	12.1392	15.5066	0.3532	0.393658
Cdc42bpg	chr19:6306455-6325652	1.0800	1.4497	0.4248	0.242965
Gm24452	chr19:8724530-8724602	99.9495	70.6282	-0.5010	0.372462
Stx5a	chr19:8741412-8756069	19.3455	21.7692	0.1703	0.271847
Gm23436	chr1:161036983-161037049	279.2620	342.6477	0.2951	0.296188
Plxdc2	chr2:16356303-16755839	1.7020	1.3745	-0.3083	0.142231
Gm13428	chr2:36137338-36137703	3.5051	1.3808	-1.3440	0.351887
Mmadhc	chr2:50279880-50296801	14.2079	17.5077	0.3013	0.401035
Fastkd5	chr2:130613839-130630027	9.7728	11.6108	0.2486	0.285245
Map1lc3a	chr2:155276296-155278073	2.3864	1.1445	-1.0601	0.287555
Gm8177	chr3:57135495-57136831	1.3830	0.5377	-1.3631	0.378115
Dhx36	chr3:62470038-62507004	42.3669	38.8597	-0.1247	0.346951
Kcnd1	chrX:7822288-7838280	0.0809	0.2326	1.5239	0.372354
Btd	chr14:31641027-31668579	8.8844	10.9012	0.2952	0.291268
Tpgs1	chr10:79669409-79676126	13.7869	16.7600	0.2817	0.159108
Chpt1	chr10:88452744-88504073	0.5677	0.8393	0.5641	0.373774
Slc1a4	chr11:20302179-20332713	1.5437	0.9995	-0.6271	0.473271
Sap30l	chr11:57801636-57810217	15.7678	19.6421	0.3170	0.394010
4933439C10Rik	chr11:59505661-59513647	4.2024	3.3595	-0.3229	0.497773
Mks1	chr11:87853214-87863803	3.1027	2.4826	-0.3216	0.254740
Nek9	chr12:85299513-85339362	29.0288	27.0012	-0.1045	0.143893
Larp4b	chr13:9093904-9173086	43.4727	39.9983	-0.1202	0.318798
Hist1h4i	chr13:22040815-22041352	17.9674	23.1150	0.3635	0.274633
Zfp85	chr13:67747799-67755228	8.4478	6.9196	-0.2879	0.362701
Fam21	chr6:116208032-116262668	36.5666	34.0799	-0.1016	0.059695
Cox6b1	chr7:30616973-30626151	217.2910	255.5667	0.2341	0.473209
Gm4070	chr7:105895138-105953967	1.7059	2.0887	0.2921	0.233987
Ptprc	chr7:135537823-135686294	12.2840	10.7526	-0.1921	0.468047
Fcer2a	chr8:3681736-3694174	1.7626	1.1485	-0.6180	0.314974
Ogfod1	chr8:94037197-94067921	8.1457	7.1883	-0.1804	0.271072
Scamp2	chr9:57560943-57588797	32.9231	29.7795	-0.1448	0.279368
Aste1	chr9:105395391-105405758	7.3718	6.2041	-0.2488	0.304334
Ppp1r3f	chrX:7557295-7605381	8.3456	7.6347	-0.1285	0.015429
Rpl10	chrX:74270811-74273135	22.3640	19.0969	-0.2278	0.458288

Igfbp1	chrX:100494290-100516125	18.1110	20.6604	0.1900	0.333577
Cyc1	chr15:76343522-76345934	52.5501	46.9366	-0.1630	0.339112
Nt5dc2	chr14:31134852-31139121	1.5236	0.8972	-0.7640	0.100506
Pigq	chr17:25926426-25944510	8.0880	7.0595	-0.1962	0.355538
Prm1	chr16:10796325-10796886	3.8764	2.0161	-0.9431	0.262580
Gm15965	chr16:90983906-90987237	2.3379	1.3409	-0.8020	0.503938
Ints5	chr19:8892986-8897890	9.1210	10.7550	0.2377	0.259508
Arhgap15	chr2:43748823-44395953	37.3314	33.8207	-0.1425	0.480398
Adnp	chr2:168180985-168207112	21.4349	18.9945	-0.1744	0.491343
Gm14399	chr2:175129492-175142012	1.0664	0.6398	-0.7370	0.285069
Rnf207	chr4:152307018-152318993	0.0799	0.1787	1.1610	0.335238
A230060F14Rik	chr10:86021779-86022325	1.2857	2.5479	0.9867	0.140857
Icam4	chr9:21029372-21030531	0.4239	1.4004	1.7242	0.197358
Gm5931	chrX:10660521-10660998	3.2989	6.5325	0.9856	0.362709
Gm10501	chr17:34976898-34981788	0.4687	1.0704	1.1916	0.284492
Ttll9	chr2:152962484-153008482	0.2692	0.6389	1.2468	0.179205
Rnft2	chr5:118190735-118245116	0.1941	0.0904	-1.1023	0.133096
Aasdh	chr5:76873658-76905514	5.0453	4.2974	-0.2315	0.357320
Stxbp2	chr8:3630954-3643644	27.7311	31.0101	0.1612	0.247225
Blk	chr14:63372836-63417187	0.1569	0.4037	1.3632	0.197983
Cacybp	chr1:160202366-160212892	50.6578	43.3321	-0.2253	0.541053
Selm	chr11:3514683-3517351	0.4471	1.1409	1.3516	0.215753
Taf9	chr13:100651342-100656059	22.6129	26.2774	0.2167	0.128993
Cdh11	chr8:102632994-102785111	0.1526	0.3328	1.1244	0.057543
Magix	chrX:7673163-7681251	0.3256	0.1011	-1.6874	0.387589
Cisd1	chr10:71330479-71344954	8.8888	11.1213	0.3233	0.059281
Wdr45b	chr11:121327223-121354445	7.4542	8.6148	0.2088	0.113722
Tecpr2	chr12:110889263-110972394	2.6791	2.2058	-0.2804	0.380519
Muc6	chr7:141633971-141655319	0.1572	0.0533	-1.5610	0.453296
Gm9725	chr8:81013575-81038584	18.6013	16.3189	-0.1889	0.343245
Rictor	chr15:6708380-6800398	29.2287	27.0810	-0.1101	0.334998
Kansl2	chr15:98518820-98534244	6.1494	5.0266	-0.2909	0.249667
Z310061I04Rik	chr17:35892676-35897431	2.4151	3.3023	0.4514	0.255803
Rpl31	chr1:39367850-39371908	24.6267	20.3579	-0.2746	0.465015
A930004D18Rik	chr2:18025192-18037737	0.5072	0.2133	-1.2498	0.255941
Gm24494	chr3:153911609-153911690	12.3900	29.2036	1.2370	0.222833
Vgll4	chr6:114860627-114969994	26.6472	23.9748	-0.1525	0.427263
Ruvbl1	chr6:88465408-88497572	13.4273	11.3795	-0.2387	0.336024
Pgk1	chrX:106187099-106203699	4.7204	6.1056	0.3712	0.343144
Setd3	chr12:108106430-108179314	14.8753	16.6732	0.1646	0.193774
Mbnl2	chr14:120275668-120431697	16.8394	18.8628	0.1637	0.109514
Fam126a	chr5:23915275-24030690	5.7274	6.6985	0.2260	0.265437
Hsp90b1	chr10:86690208-86705509	144.0045	134.4341	-0.0992	0.369919
Rel	chr11:23741513-23770970	12.3859	10.9237	-0.1812	0.099979
Zfp354c	chr11:50811085-50827724	0.4188	0.7920	0.9190	0.312394
Nik	chr11:78567167-78697373	14.6819	16.6666	0.1829	0.259302
Vezf1	chr11:88068278-88084729	21.4395	19.6436	-0.1262	0.186927
Gm11767	chr11:119935802-119942698	3.9691	1.7078	-1.2167	0.445114
Gm3086	chr12:69963472-69969721	3.5476	1.8594	-0.9320	0.264924
Gm9870	chr5:72914295-72914942	14.0491	10.0746	-0.4798	0.414370
Gltp	chr5:114669402-114690984	30.8629	35.8405	0.2157	0.414234
Ras11a	chr5:146845070-146847726	1.2821	2.6603	1.0531	0.297315
Mest	chr6:30723546-30748455	0.8494	1.2811	0.5929	0.314365
Gm4604	chr6:108140119-108140509	14.2695	8.1998	-0.7993	0.467118
Gm26852	chr7:19382219-19392718	4.4428	3.7167	-0.2575	0.397805
Zfp84	chr7:29768551-29779821	18.1288	15.9919	-0.1809	0.461335
Agbl1	chr7:76318070-76766608	0.2834	0.1114	-1.3476	0.273785
Trim34a	chr7:104244456-104340693	15.3342	17.8811	0.2217	0.395671
Chst15	chr7:132235779-132317228	4.5963	3.8787	-0.2449	0.316405
Whsc1l1	chr8:25601600-25719667	16.3070	14.8860	-0.1315	0.471874
St3gal2	chr8:110919921-110972480	7.3381	8.7119	0.2476	0.336964
Ccdc71	chr9:108460517-108465945	13.7045	15.6104	0.1879	0.104571
Pop1	chr15:34495303-34530648	9.1041	7.4716	-0.2851	0.483639
Apol9b	chr15:77729120-77736381	4.7803	6.2828	0.3943	0.244200
Rbx1	chr15:81466315-81476369	24.6961	21.2496	-0.2168	0.428062
Tob2	chr15:81848269-81858326	14.9137	13.0513	-0.1924	0.430665
Arfgap3	chr15:83299739-83350247	5.4627	6.6401	0.2816	0.099385
Rnase4	chr14:51091076-51106151	3.8394	5.1548	0.4250	0.383601
Gm20547	chr17:34856411-34882042	0.9748	0.6510	-0.5825	0.300808
Gabbr1	chr17:37045965-37075067	5.1690	4.3267	-0.2566	0.471811
Cdc5l	chr17:45391891-45433707	40.2262	36.9398	-0.1230	0.268120

Obfc1	chr19:47501032-47537507	6.3930	7.6592	0.2607	0.281113
Pign	chr1:105518421-105659008	11.7814	10.5777	-0.1555	0.327512
2700062C07Rik	chr18:24470860-24477765	9.1521	11.5323	0.3335	0.145942
Dmxl1	chr18:49832669-49965473	12.0502	11.0580	-0.1240	0.404967
Ubr3	chr2:69897245-70024013	13.7690	12.4117	-0.1497	0.424335
Slc25a12	chr2:71271062-71367749	14.1751	12.9220	-0.1335	0.304552
Manbal	chr2:157367593-157396763	8.1455	10.6063	0.3808	0.294457
Gm20716	chr2:168180985-168230364	27.8898	25.3421	-0.1382	0.410934
Pdim5	chr3:142239585-142395696	10.7718	9.7546	-0.1431	0.258095
Gm12693	chr4:94935620-94936103	3.7564	5.7995	0.6266	0.008144
9930104L06Rik	chr4:124937047-124944656	6.2514	5.3710	-0.2190	0.370317
Gm12205	chr11:52038849-52039471	0.4202	1.4496	1.7866	0.319778
Chd3os	chr11:69340460-69342641	1.7884	4.3249	1.2740	0.084539
Snord8	chr14:52209784-52209894	5.0471	13.5623	1.4261	0.288272
Psd2	chr18:35964829-36014715	0.6829	0.4050	-0.7537	0.367031
Gm5970	chr18:60220842-60222058	2.4410	4.4192	0.8563	0.284143
Gm24718	chrX:96150836-96150972	2.2037	7.7658	1.8172	0.292030
Naf1	chr8:66860216-66890564	2.3354	1.5975	-0.5479	0.291435
Il15ra	chr2:11705286-11733986	3.7073	4.5333	0.2902	0.211211
Gm25855	chr19:8723995-8724060	16.4028	33.5679	1.0331	0.173837
Gm22549	chr1:87341454-87341561	10.1993	2.9009	-1.8139	0.416064
4833439L19Rik	chr13:54551217-54565435	16.7779	14.9017	-0.1711	0.337589
Rab6a	chr7:100607409-100641268	22.5349	19.6717	-0.1960	0.497264
Gm23130	chr10:23786469-23786543	48.3436	74.3946	0.6219	0.341408
Zfp595	chr13:67312997-67332560	10.9200	9.8555	-0.1480	0.167051
Plcx1	chr5:110099968-110105953	7.7004	6.6964	-0.2015	0.204188
Ppp6r1	chr7:4631500-4658950	98.4278	91.3382	-0.1078	0.410180
Nr1h2	chr7:44549615-44553951	22.1450	25.1210	0.1819	0.313614
Pcf11	chr7:92643711-92669933	43.1907	39.7164	-0.1210	0.398797
Mrpl48	chr7:100545750-100608297	3.1105	3.8200	0.2964	0.342603
Dnhd1	chr7:105640561-105721799	1.6448	1.9387	0.2371	0.224193
Comt	chr16:18406885-18426852	16.8848	19.7178	0.2238	0.341907
C330006A16Rik	chr2:26136813-26140521	12.7510	10.9072	-0.2253	0.369406
Egf	chr3:129677574-129755322	0.7107	0.3627	-0.9705	0.307582
Mob3c	chr4:115828091-115836185	11.7991	13.5749	0.2023	0.128334
Ipp	chr4:116507548-116538243	8.2760	6.5962	-0.3273	0.391549
Zfp683	chr4:134053837-134058996	2.1747	3.1639	0.5409	0.248754
Gm24060	chr11:118180940-118181035	7.9447	17.3816	1.1295	0.249842
Plk1	chr7:122159436-122169875	6.4139	8.1133	0.3391	0.378173
2010107E04Rik	chr12:111961375-111966977	99.8701	122.0635	0.2895	0.446702
Capza2	chr6:17636233-17666972	38.2300	42.7996	0.1629	0.374648
Lag3	chr6:124904360-124911705	17.6660	26.2447	0.5711	0.383122
Hdgfrp2	chr17:56079656-56100596	37.3766	34.1681	-0.1295	0.195239
Nr4a2	chr2:57106829-57124003	2.1164	1.5407	-0.4581	0.372349
Impdh2	chr9:108560533-108565519	12.0532	14.3388	0.2505	0.081114
Dclre1c	chr2:3424130-3464130	4.9467	4.4125	-0.1649	0.226179
Gm5946	chrX:150220715-150226021	0.1083	0.3012	1.4751	0.227729
Map2k6	chr11:110399121-110525522	3.8164	3.0133	-0.3409	0.348601
Btdb9	chr17:30215523-30576287	9.2188	8.1426	-0.1791	0.430957
Heatr5b	chr17:78752905-78835381	10.4391	9.2018	-0.1820	0.451655
Dap	chr15:31224384-31274338	12.2577	14.9947	0.2908	0.347372
4930404N11Rik	chr10:81363066-81365816	4.6027	3.3630	-0.4527	0.362482
Rtcb	chr10:85938636-85957823	59.5674	67.1491	0.1728	0.345033
Gm11517	chr11:96795438-96795825	4.8643	2.5842	-0.9125	0.273939
Psmc2	chr5:21785282-21803787	18.4152	16.6330	-0.1468	0.385866
Gsk3a	chr7:25228257-25237851	32.6191	36.6717	0.1689	0.221682
Irf7	chr7:141262705-141266481	25.7524	35.3488	0.4570	0.357835
Ppp2cb	chr8:33599620-33619794	33.7006	37.9162	0.1700	0.108107
Zfp609	chr9:65692390-65827564	3.3526	2.8622	-0.2282	0.329679
Gnas	chr2:174284319-174346744	24.4842	26.9187	0.1368	0.279683
Vcp	chr4:42979962-43000507	26.0102	24.0478	-0.1132	0.167679
Cdc20	chr4:118432900-118437352	17.6521	21.3403	0.2737	0.434914
H2-DMa	chr17:34135181-34139101	14.9156	17.9192	0.2647	0.307629
Usp20	chr2:30982278-31023586	5.1139	4.2757	-0.2582	0.468494
Cd101	chr3:100993529-101029556	14.3918	16.5414	0.2008	0.279943
Syt6	chr3:103575230-103645567	0.1693	0.0587	-1.5268	0.210499
Vdr	chr15:97854424-97910630	0.3016	0.6298	1.0621	0.404856
Edem3	chr1:151755373-151822328	16.4664	14.8074	-0.1532	0.415020
Gimp	chr3:88325022-88331313	10.2096	11.7738	0.2057	0.356727
Rpl26	chr11:68901582-68906989	81.8682	96.5150	0.2375	0.488999
Dse	chr10:34151393-34207551	1.2530	1.7613	0.4912	0.361249

Gm26602	chr10:79910855-79911140	41.8780	54.4758	0.3794	0.377312
Vdac1	chr11:52360859-52389397	28.0731	25.0826	-0.1625	0.381359
Atp6v1d	chr12:78842988-78861638	69.8981	78.5056	0.1675	0.263167
Prkag2os2	chr5:24873543-24875934	5.4528	4.1647	-0.3888	0.252011
A430072P03Rik	chr5:107725156-107728801	2.0056	2.9573	0.5602	0.339960
C87436	chr6:86438373-86473500	6.9483	8.0525	0.2128	0.093379
Shkbp1	chr7:27342132-27356019	12.6748	11.1470	-0.1853	0.400278
Mir762	chr7:127708486-127708562	18.0837	30.5976	0.7587	0.297191
1700017B05Rik	chr9:57252321-57262599	15.7900	13.3036	-0.2472	0.560361
Stra6	chr9:58063787-58153996	0.4965	0.7347	0.5654	0.148518
Aqp9	chr9:71110658-71168682	1.0077	0.6009	-0.7460	0.546160
Lima1	chr15:99778469-99875428	0.4845	0.6901	0.5103	0.129183
Tmem110	chr14:30825589-30876986	6.8613	5.6719	-0.2747	0.518561
Myl12a	chr17:70993655-71002878	45.4525	51.3562	0.1762	0.395393
Pkdcc	chr17:83215291-83225070	0.6699	1.1348	0.7605	0.326026
Dcbld2	chr16:58408442-58469727	0.8639	0.6172	-0.4851	0.422594
Kif20b	chr19:34922357-34975731	12.2974	14.0230	0.1894	0.320136
Wbp1l	chr19:46599083-46657389	26.9468	24.7488	-0.1228	0.299608
Phlpp1	chr1:106171751-106394250	6.6619	7.8183	0.2309	0.356608
Abl2	chr1:156558785-156649568	10.0772	9.1206	-0.1439	0.375770
Ssrp1	chr2:85037233-85047109	85.7518	79.4730	-0.1097	0.414831
BC052040	chr2:115581715-115778768	1.6764	1.2368	-0.4387	0.321378
Tom34	chr2:164053539-164071169	41.2944	37.7924	-0.1279	0.371325
Orc1	chr4:108579422-108614833	2.3490	3.1109	0.4053	0.255600
Uqcrh	chr4:116066964-116075071	97.1181	114.7534	0.2407	0.496413
Gm12999	chr4:132532686-132533601	18.4640	13.4061	-0.4618	0.428330
Mok	chr12:110807797-110840939	0.9442	0.4686	-1.0107	0.436504
Gm8428	chr6:8377595-8379379	0.6204	0.1915	-1.6958	0.323248
Scp2-ps2	chr9:123307507-123307939	2.2670	4.8779	1.1055	0.287556
Gm25397	chr15:96404857-96404949	25.7153	12.5972	-1.0295	0.322428
Nxn1	chr8:71560555-71566649	0.2032	0.4581	1.1727	0.144805
I830134H01Rik	chr19:38051773-38054528	0.1202	0.3683	1.6155	0.493527
Gm23297	chr7:143531393-143531520	6.6170	16.1911	1.2910	0.412271
Msl1	chr11:98795515-98807859	23.7805	21.9582	-0.1150	0.200528
Hid1	chr11:115347706-115367756	0.6846	1.1541	0.7534	0.225229
Map4k4	chr1:39900912-40026310	43.6446	40.7511	-0.0990	0.272565
Slc10a7	chr8:78509334-78734005	9.3154	10.6801	0.1972	0.060992
Phf19	chr2:34893756-34914026	1.8166	2.3612	0.3783	0.335149
Slc29a3	chr10:60712071-60752794	3.2847	2.7124	-0.2761	0.393548
Gm26789	chr10:63292285-63295793	5.0418	3.8191	-0.4007	0.507383
Z310011J03Rik	chr10:80318253-80320537	25.8790	29.4902	0.1885	0.140536
Gm17305	chr11:69364018-69369408	107.8522	96.9770	-0.1533	0.228301
Zfp459	chr13:67405721-67421418	2.1750	2.8967	0.4134	0.347260
Gtf2h2	chr13:100460217-100492579	5.7531	6.9138	0.2651	0.335267
Ccz1	chr5:143987915-144014853	38.9065	43.3097	0.1547	0.022085
Fbxo41	chr6:85469573-85502994	0.6725	0.3777	-0.8322	0.528852
Actn4	chr7:28893247-28962340	25.8959	23.2288	-0.1568	0.502698
Pts	chr9:50521617-50528641	57.6854	65.6723	0.1871	0.251485
Celsr3	chr9:108826319-108852963	0.1146	0.0521	-1.1368	0.377311
Map3k12	chr15:102497648-102517064	6.7748	5.9953	-0.1764	0.428134
Rps10	chr17:27630421-27636629	30.1083	35.3206	0.2304	0.399992
Pros1	chr16:62854306-62929346	2.6832	3.4470	0.3614	0.389880
Zfand5	chr19:21272277-21282289	12.8634	11.8196	-0.1221	0.093389
Thap4	chr1:93705390-93754838	7.8594	9.4031	0.2587	0.105430
Etv3	chr3:87525406-87540156	11.4308	10.5414	-0.1169	0.240450
5330417C22Rik	chr3:108455693-108536526	0.1769	0.3518	0.9921	0.248210
Ptpdc1	chr13:48577872-48625573	0.2675	0.5269	0.9783	0.226479
Nicn1	chr9:108290447-108296498	0.4048	0.8386	1.0507	0.166267
Akap14	chrX:37150697-37168842	0.6559	0.2539	-1.3691	0.461681
Nr6a1os	chr2:38823256-38852370	2.2468	0.9329	-1.2681	0.481037
Zfp341	chr2:154613296-154646821	1.8894	1.3888	-0.4440	0.226805
8430429K09Rik	chr11:3452364-3479831	3.1497	2.3622	-0.4150	0.358711
Arhgap26	chr18:38601533-39376284	3.0439	2.5907	-0.2326	0.530597
Manea	chr4:26324505-26346891	5.9239	7.1065	0.2626	0.341809
Prmt1	chr7:44975988-44986492	19.1738	16.7044	-0.1989	0.417859
Pascin1	chr17:27655508-27711106	12.1274	10.5411	-0.2022	0.504570
Bod1	chr11:31665180-31671885	11.3065	9.1835	-0.3000	0.444913
Gm26819	chr13:69809913-69816094	9.7445	11.2137	0.2026	0.305208
Poln	chr5:34007197-34169448	0.5517	0.9065	0.7164	0.218126
Tsc22d4	chr5:137745729-137768450	17.5818	15.4433	-0.1871	0.557175
Stag2	chrX:42149316-42277185	67.4785	62.6027	-0.1082	0.425098

Dnase111	chrX:74273216-74282337	3.5637	5.1359	0.5272	0.440733
Homez	chr14:54852735-54870961	2.4949	3.0196	0.2754	0.113833
H2-K1	chr17:33996016-34000333	1084.9898	1182.5549	0.1242	0.318237
Eml3	chr19:8929693-8941563	33.6378	30.2736	-0.1520	0.434049
Prkcq	chr2:11172112-11301226	71.1997	66.4872	-0.0988	0.389629
Gm27003	chr2:126675915-126683805	3.3054	6.1223	0.8892	0.186049
Kif3a	chr11:53567378-53601967	1.5082	1.0929	-0.4647	0.206465
Gm5577	chr6:87980882-88005471	2.1281	1.4359	-0.5676	0.333668
Asb1	chr1:91540564-91559590	5.3319	4.6013	-0.2126	0.351545
Sall2	chr14:52311171-52328762	6.6443	5.6873	-0.2244	0.433163
1700021A07Rik	chr10:21425341-21425650	6.4052	6.4052	0.9807	0.224719
Rsf1os1	chr7:97598348-97645112	0.9228	2.9318	1.6678	0.291986
MsrB3	chr10:120781095-120899101	0.5951	0.9406	0.6606	0.326315
Trav5-4	chr14:53704006-53704513	9.2854	5.9403	-0.6444	0.208092
Shprh	chr10:11149426-11217595	12.0624	11.1312	-0.1159	0.344771
Smg8	chr11:87077731-87086774	7.9080	9.1672	0.2132	0.046497
Bmp2k	chr5:96997688-97091867	10.8170	12.3868	0.1955	0.395455
Gm15920	chr5:130188394-130188796	2.9540	1.3446	-1.1354	0.227689
Cog8	chr8:107046288-107056689	20.2382	18.4346	-0.1347	0.325248
Fdx1l	chr9:21067519-21073514	27.1664	22.5936	-0.2659	0.340087
Fdx1	chr9:51943306-51963533	13.9677	10.7666	-0.3755	0.454530
Herc1	chr9:66350449-66508775	24.0959	22.7550	-0.0826	0.188043
Cyb5r4	chr9:87022013-87077774	6.9555	8.2085	0.2390	0.384564
Slc38a1	chr15:96571417-96642913	21.4522	19.6985	-0.1230	0.413583
Ncs1	chr2:31245822-31295989	1.4239	1.0902	-0.3852	0.088165
Ciz1	chr2:32352326-32380226	11.8145	10.4659	-0.1749	0.481218
Ece1	chr4:13786236-137965229	12.8147	11.0314	-0.2162	0.460876
Dyrk3	chr1:131128440-131138234	0.7567	0.2877	-1.3950	0.392999
Zfp280b	chr10:76032653-76043234	12.1450	10.9743	-0.1462	0.233502
Atg12	chr18:46732416-46741579	20.8087	24.0310	0.2077	0.313919
Stx17	chr4:48124914-48186507	6.1825	5.3238	-0.2157	0.435373
Snora16a	chr4:132309464-132309600	16.6035	25.7964	0.6357	0.316200
Hmha1	chr10:80016652-80031472	305.1580	282.6443	-0.1106	0.507192
BC030307	chr10:86705810-86776843	0.6872	0.4635	-0.5683	0.032225
Gm12216	chr11:53783417-53859256	2.9453	3.8617	0.3908	0.260320
Kdm6b	chr11:69398507-69413675	3.9723	3.3806	-0.2327	0.360309
Zfp868	chr8:69610856-69625548	6.6470	8.0996	0.2851	0.340671
Sin3a	chr9:57072039-57128366	30.4696	28.2379	-0.1097	0.260119
Ptpn4	chr1:119658043-119837613	10.1593	11.7280	0.2072	0.353734
Wdsub1	chr2:59852363-59882591	1.9460	2.6206	0.4294	0.280474
Gm20402	chr3:52268434-52269435	30.9516	24.9763	-0.3095	0.435565
Slc22a15	chr3:101858953-101924453	3.1701	3.8113	0.2658	0.424376
Gm24895	chr12:109646128-109646202	15.5757	4.6431	-1.7461	0.337298
Gcc1	chr6:28416090-28428390	13.4794	12.3045	-0.1316	0.157399
Fgfr1op2	chr6:146577202-146599198	37.5880	34.8887	-0.1075	0.283010
Acpt	chr7:44252147-44257378	3.8825	2.7246	-0.5109	0.366271
Crebrf	chr17:26715649-26776635	23.3651	26.0692	0.1580	0.343853
Cd79b	chr11:106311340-106314762	3.6153	5.3071	0.5538	0.370214
Gtf2h3	chr5:124579139-124597680	9.9231	11.4791	0.2101	0.274121
Casc1	chr6:145174833-145210970	2.6500	2.1339	-0.3125	0.410732
Fosb	chr7:19302720-19310045	0.3233	0.5849	0.8550	0.382440
Il18bp	chr7:102015078-102018155	10.4968	8.5251	-0.3002	0.328964
Thumpd1	chr7:119715095-119720765	39.3720	35.5776	-0.1462	0.442753
Lig4	chr8:9970019-9977686	2.5484	3.2450	0.3486	0.329726
Gm26882	chr9:90094177-90095902	6.3009	4.9637	-0.3441	0.250552
Setd2	chr9:110532596-110618633	25.3434	23.2136	-0.1266	0.471660
5330439K02Rik	chr15:100459739-100468691	0.3018	0.5971	0.9842	0.148866
Pex6	chr17:46711462-46725541	12.0440	10.7023	-0.1704	0.312604
Tfap4	chr16:4544660-4559720	9.0502	7.3206	-0.3060	0.404854
Ncoa3	chr2:165992635-166073242	47.6050	44.8154	-0.0871	0.191488
Alg2	chr4:47465066-47474333	6.4930	5.3823	-0.2707	0.435109
Mrpl50	chr4:49512595-49521093	10.3478	13.2971	0.3618	0.494694
Fgd2	chr17:29360913-29379660	0.1590	0.3656	1.2014	0.305646
Tnni3	chr7:4518304-4524229	0.2342	0.5792	1.3063	0.280809
Kcnmb4	chr10:116417860-116473878	2.0941	1.5590	-0.4258	0.319619
Traj14	chr14:54205110-54205143	247.6459	323.8457	0.3870	0.249430
Tnfaip8	chr18:49979426-50107173	13.0382	14.3007	0.1333	0.067511
Mms22l	chr4:24496450-24602950	7.8295	8.9171	0.1877	0.216626
Bub1b	chr2:118598210-118641591	16.4707	18.5985	0.1753	0.265858
Gm23969	chr2:26911260-26911334	6.7164	16.6800	1.3124	0.265069
Tiam2	chr17:3326572-3519397	0.4993	0.7324	0.5529	0.259985

Ghdc	chr11:100766031-100770957	2.8795	2.1724	-0.4065	0.267209
Rpl29	chr9:106429453-106431568	13.6772	18.0623	0.4012	0.411573
Kdm5c	chrX:152233019-152274535	27.8503	31.0268	0.1558	0.348587
Lmbr1l	chr15:98903920-98918231	20.7393	18.4906	-0.1656	0.482150
Kdm1a	chr4:136550539-136602723	28.3978	26.1029	-0.1216	0.389327
Gm22573	chr4:155720039-155720141	3.7682	10.2939	1.4498	0.126344
Btbd11	chr10:85386813-85660292	1.9069	1.4788	-0.3668	0.463581
Gm22061	chr11:98946443-98946550	9.6757	3.1610	-1.6140	0.461013
Gm20655	chr10:17790521-17799921	0.3538	0.1476	-1.2618	0.219667
Map2k2	chr10:81105914-81124697	23.6119	26.7864	0.1820	0.392165
Tmpo	chr10:91147570-91171582	55.9263	60.7397	0.1191	0.131074
Vrk2	chr11:26471321-26593999	6.8391	6.0392	-0.1795	0.373178
Z310033P09Rik	chr11:59208320-59210738	21.0814	18.1388	-0.2169	0.312236
Rai1	chr11:60105012-60199197	7.3629	6.5113	-0.1773	0.464651
Llg1	chr11:60699722-60714186	14.2194	12.5591	-0.1791	0.473761
Pctp	chr11:89982664-90002894	1.9706	2.6594	0.4324	0.253522
Mrpl45	chr11:97315715-97329920	13.1804	15.8158	0.2630	0.387307
Cdc42bpb	chr12:111292971-111377718	0.1423	0.3019	1.0847	0.283085
Trim27	chr13:21179444-21194724	26.9187	24.3462	-0.1449	0.485519
NA	chr13:109954108-109955963	5.5500	4.4200	-0.3284	0.292705
Gtf2ird2	chr5:134184018-134224355	4.1746	3.6012	-0.2132	0.169362
Cnpy4	chr5:138187484-138193918	8.4771	10.4016	0.2952	0.352059
Mthfd2	chr6:83305690-83317606	30.6073	27.9940	-0.1288	0.242937
Paf1	chr7:28392950-28399388	26.8102	29.9663	0.1606	0.248545
Uvrag	chr7:98886742-99141144	18.0249	20.6427	0.1956	0.302171
Btbd10	chr7:113315625-113369392	5.4294	4.6811	-0.2139	0.332724
Gm16845	chr9:22071031-22086122	4.2350	5.6527	0.4166	0.222105
Cbl	chr9:44149261-44234046	25.5479	22.4534	-0.1863	0.586829
Bnip2	chr9:69989465-70008317	32.1176	35.9859	0.1641	0.281207
Mpst	chr15:78406711-78414002	11.7131	13.9865	0.2559	0.195383
Atf1	chr15:100227818-100261244	7.4669	8.8540	0.2458	0.201301
Prr13	chr15:102459027-102462806	44.5287	51.4667	0.2089	0.435305
Bnip3l	chr14:66985238-67008877	16.9933	19.4105	0.1919	0.370637
Kifc1	chr17:33875665-33890661	3.8724	4.7217	0.2861	0.124547
Gm15648	chr16:17152629-17153704	33.4646	29.0166	-0.2058	0.188688
Clcn2	chr16:20702963-20717746	0.8733	0.6082	-0.5218	0.375942
Ccdc58	chr16:36071659-36092118	8.4761	11.9275	0.4928	0.410847
Stat1	chr1:52119437-52161865	226.4972	247.5626	0.1283	0.301517
Snrpe	chr1:133603870-133610291	28.9569	34.8327	0.2665	0.447805
Gm13568	chr2:26457143-26458316	10.7237	7.4583	-0.5239	0.190464
Stkld1	chr2:26934046-26953496	2.3829	1.6241	-0.5530	0.471828
Nup210l	chr3:90104131-90212017	2.2428	1.6327	-0.4581	0.494462
Gm15886	chr3:103771951-103789402	25.7225	29.4090	0.1932	0.138387
O610037L13Rik	chr4:107889812-107899384	8.2164	7.3654	-0.1577	0.208903
Sf3a3	chr4:124714775-124732460	37.2636	34.1203	-0.1271	0.349022
Dhdds	chr4:133969027-134000918	9.2320	8.0273	-0.2017	0.362324
Slc29a4	chr5:142702100-142722490	0.2298	0.5636	1.2944	0.204443
Rassf8	chr6:145746747-145821079	0.1345	0.3218	1.2582	0.261590
Gm7030	chr17:36109718-36129425	1.5787	2.5713	0.7037	0.130370
mt-Tm	chrM:3844-3913	7.7366	20.1524	1.3812	0.280585
Ccdc30	chr4:119322892-119415521	0.4283	0.6873	0.6823	0.417607
Rnf144b	chr13:47122719-47247991	0.1498	0.3448	1.2030	0.300845
Fut10	chr8:31187330-31261738	0.2329	0.5041	1.1142	0.298146
Fkbp1	chr17:34644763-34646324	2.3569	3.3999	0.5286	0.155838
Psmb7	chr2:38588035-38644087	58.7330	68.4436	0.2207	0.432827
Tnfaip3	chr10:19000909-19015657	21.9229	23.9563	0.1280	0.099913
Gm26577	chr10:21145093-21154374	11.5965	9.8351	-0.2377	0.373220
Hdac2	chr10:36974543-37001889	26.1854	23.0754	-0.1824	0.542167
Rtkn2	chr10:67979569-68059740	0.3943	0.2151	-0.8745	0.173663
A430046D13Rik	chr10:128499363-128504242	3.1991	4.2758	0.4185	0.233301
Wibg	chr10:128747878-128766568	43.2819	51.0966	0.2395	0.441986
Nf2	chr11:4765844-4849536	15.9718	17.9256	0.1665	0.360554
Ube2b	chr11:51985496-52000762	35.8837	41.3636	0.2050	0.403327
Rapgef6	chr11:54522846-54699285	71.3270	67.0764	-0.0886	0.350300
Gm10434	chr11:59208245-59208720	11.9125	8.1155	-0.5537	0.281621
Jmjd4	chr11:59450044-59458567	6.5722	5.8621	-0.1650	0.310002
Gucy2e	chr11:69218116-69237036	0.9219	0.6792	-0.4409	0.497609
Kdm6bos	chr11:69401512-69402700	6.1647	4.5779	-0.4293	0.057661
1700016P03Rik	chr11:75172559-75177633	16.3822	13.2676	-0.3042	0.320215
Tnfaip1	chr11:78522849-78536332	5.0797	6.1506	0.2760	0.347044
Slfm9	chr11:82979628-82991830	8.6533	9.8910	0.1929	0.213550

Mrps23	chr11:88204387-88211507	30.0853	34.3695	0.1921	0.258941
Hspb9	chr11:100713849-100714575	3.0035	1.8045	-0.7350	0.221895
Nsf	chr11:103821781-103954056	8.5482	9.6010	0.1676	0.219510
Kansl1	chr11:104333228-104468861	22.3849	20.3005	-0.1410	0.509999
Kpna2	chr11:106988628-106999541	5.1637	6.3909	0.3076	0.329166
Anapc11	chr11:120598420-120608198	4.8516	5.6915	0.2303	0.235087
BC068281	chr12:4843302-4856925	4.0092	3.2302	-0.3117	0.333894
Ubxn2a	chr12:4879031-4907705	22.3413	19.8010	-0.1741	0.451133
Tmem18	chr12:30584442-30591213	21.1205	23.6293	0.1619	0.146104
Gm22058	chr12:69930903-69931213	6.0303	9.1974	0.6090	0.064343
Ttc8	chr12:98920573-98983238	0.7011	1.0685	0.6079	0.074292
Lymm4	chr13:35978796-36117357	10.8297	13.1670	0.2819	0.268517
Ccnh	chr13:85189407-85223469	22.8052	26.7507	0.2302	0.453124
Vcan	chr13:89655311-89742509	0.1080	0.0436	-1.3095	0.271027
Homer1	chr13:93303756-93404129	4.4088	3.7970	-0.2155	0.483983
Btf3	chr13:98309895-98317006	54.1953	63.2710	0.2234	0.487874
Snx18	chr13:113592179-113618564	27.4498	25.0043	-0.1346	0.423523
Rint1	chr5:23787710-23820369	6.6135	5.8754	-0.1707	0.330061
Zbtb49	chr5:38189734-38220457	2.7124	2.2434	-0.2739	0.408492
Tmem33	chr5:67260564-67291461	10.2151	11.4184	0.1606	0.190592
Rps15a-ps5	chr5:105797286-105797743	28.4515	39.8905	0.4875	0.514663
Oas3	chr5:120753097-12077661	10.9364	13.2241	0.2740	0.520095
Rad9b	chr5:122323222-122354233	10.6067	9.3821	-0.1770	0.067430
Mafk	chr5:139791512-139802653	11.2947	13.2485	0.2302	0.354251
Zfml	chr6:83914352-83986869	64.6037	59.5809	-0.1168	0.471768
Cecr5	chr6:120509493-120531319	33.7693	30.9301	-0.1267	0.398355
Gm23547	chr6:124715231-124715502	21.6011	28.6824	0.4091	0.258252
Wbp11	chr6:136813653-136828233	12.3332	11.2583	-0.1316	0.127006
Tm7sf3	chr6:146602351-146642824	9.5953	11.0664	0.2058	0.211787
Zfp787	chr7:6131488-6155971	6.6020	8.1630	0.3062	0.255422
Chmp2a	chr7:13032005-13034777	127.8423	141.8364	0.1499	0.232649
Snrpd2	chr7:19149721-19152735	51.7898	42.3306	-0.2910	0.549463
Zfp180	chr7:24081923-24107698	17.6492	15.7767	-0.1618	0.436780
Kcnk6	chr7:29221927-29232522	3.9081	4.9136	0.3303	0.366565
Sipa1l3	chr7:29320371-29518641	1.0273	0.8573	-0.2610	0.284050
Proser3	chr7:30539133-30552296	1.4110	0.9103	-0.6323	0.446475
Irf3	chr7:44997647-45002848	53.7453	49.6655	-0.1139	0.405309
Numa1	chr7:101969842-102014959	77.4223	72.5616	-0.0935	0.404198
Trim30a	chr7:104409024-104465193	57.0806	63.9383	0.1637	0.421509
Mrpl17	chr7:105806657-105811099	7.5667	8.7733	0.2135	0.249986
Sh2b1	chr7:126466993-126475130	22.1431	19.3577	-0.1939	0.514710
Coro1a	chr7:126699772-126707787	543.4459	595.0533	0.1309	0.380847
B4galnt4	chr7:141061273-141072119	11.1734	13.9079	0.3158	0.510397
Rnh1	chr7:141160327-141172851	39.2872	43.7871	0.1564	0.182764
Prr33	chr7:142491073-142506771	6.5456	8.3384	0.3492	0.352422
Alg11	chr8:22060720-22071627	10.1854	9.0850	-0.1649	0.349549
Il27ra	chr8:84030286-84042575	100.9880	113.0371	0.1626	0.421733
Nudt21	chr8:94017769-94037021	4.1960	5.2379	0.3200	0.303116
Cenpn	chr8:116921739-116941503	4.8748	6.2808	0.3656	0.314308
Cox4i1	chr8:120668221-120674207	105.2956	120.7178	0.1972	0.469715
NA	chr8:122443655-122445647	6.4334	7.8610	0.2891	0.141626
Fam76b	chr9:13827715-13846541	23.6755	26.3769	0.1559	0.236372
Zpr1	chr9:46273063-46282643	20.6536	18.7131	-0.1423	0.350439
Acat1	chr9:53580521-53610382	20.3004	23.0072	0.1806	0.329717
Trip4	chr9:65828929-65908794	6.8165	7.8321	0.2004	0.381822
Hyal1	chr9:107576926-107581710	0.5799	0.9913	0.7735	0.254822
Rbm6	chr9:107773558-107873237	15.0705	14.0101	-0.1053	0.316886
Cmtm6	chr9:114731202-114749343	59.3903	54.5941	-0.1215	0.453166
Gpd1l	chr9:114899340-114933987	14.9983	13.8097	-0.1191	0.089957
Eomes	chr9:118478211-118486132	23.3662	17.3362	-0.4306	0.471891
Fmr1	chrX:68678540-68717963	13.3648	12.2150	-0.1298	0.401758
Tmem164	chrX:142681405-142843494	22.1684	20.6331	-0.1035	0.265158
Naprt	chr15:75890963-75894481	1.9603	2.8050	0.5169	0.326152
Gm17349	chr15:99702175-99705490	1.6456	4.0227	1.2896	0.298364
Gm10044	chr14:7744062-7791651	1.3795	0.8871	-0.6369	0.409534
Ap3m1	chr14:21031441-21052508	11.7732	10.5921	-0.1525	0.432044
Gm17173	chr14:44972267-45006900	7.8330	6.3722	-0.2978	0.495472
Zfp395	chr14:65358675-65398930	1.4043	1.9598	0.4809	0.360336
Paqr4	chr17:23736185-23740330	8.4721	10.3623	0.2906	0.452599
Abca3	chr17:24351949-24410201	11.6283	10.2740	-0.1786	0.549811
Gng13	chr17:25717170-25719406	2.6241	4.0805	0.6369	0.267051

Spast	chr17:74338986-74391113	20.3971	18.7140	-0.1242	0.280244
Dnaja3	chr16:4639988-4707695	16.6863	15.0969	-0.1444	0.334421
Ciita	chr16:10488177-10527564	0.3108	0.5095	0.7130	0.204039
Parn	chr16:13537963-13668170	18.7474	16.7886	-0.1592	0.331388
Gsk3b	chr16:38089000-38246084	10.4162	9.3100	-0.1620	0.518109
Cd47	chr16:49855617-49915010	26.0762	29.4477	0.1754	0.397215
2310043M15Rik	chr16:93792149-93794888	0.7262	1.3111	0.8524	0.368306
Kat5	chr19:5603016-5610094	30.0608	34.1734	0.1850	0.305379
Dpf2	chr19:5896515-5913010	10.9090	9.7839	-0.1570	0.427796
Tmem258	chr19:10204013-10207824	34.6535	40.4153	0.2219	0.418079
Lcor	chr19:41482644-41562246	8.0542	7.1773	-0.1663	0.435433
NA	chr19:47894597-47919299	21.5305	19.2236	-0.1635	0.443977
Cops5	chr1:10024601-10038127	20.7552	18.8267	-0.1407	0.286727
Tgfbra1	chr1:43047268-43098622	7.6494	8.7074	0.1869	0.181882
Ankrd44	chr1:54645339-54926387	32.7252	30.8239	-0.0864	0.259759
Trak2	chr1:58900448-58973430	18.0263	16.6364	-0.1158	0.277223
Gm26649	chr1:64029462-64032927	2.4695	3.2689	0.4046	0.337647
Ctdsp1	chr1:74391508-74397285	10.7176	9.3878	-0.1911	0.323001
Rhbdd1	chr1:82316451-82445366	9.0342	10.4729	0.2132	0.268893
Ube2f	chr1:91250310-91288877	9.7530	8.5741	-0.1859	0.367423
Ndufa10	chr1:92439009-92473860	45.2825	41.4449	-0.1278	0.362916
4930523C07Rik	chr1:160044383-160078428	27.5260	30.0759	0.1278	0.062568
Nme7	chr1:164312878-164348181	11.7916	14.8284	0.3306	0.197262
Rbm22	chr18:60560735-60572810	22.6436	20.8876	-0.1165	0.298027
Ldlrad4	chr18:67933256-68255549	26.5489	23.1810	-0.1957	0.528228
Stard6	chr18:70472453-70501066	0.3016	0.6765	1.1655	0.183229
Ndor1	chr2:25244820-25256022	13.2732	12.0254	-0.1424	0.364641
1810012K08Rik	chr2:26138545-26139543	12.4779	9.1955	-0.4404	0.389969
Tbc1d13	chr2:30133745-30152013	17.7555	15.9826	-0.1518	0.443086
Slc25a25	chr2:32414486-32451445	8.3807	7.0857	-0.2422	0.548079
Katnbl1	chr2:112379210-112414240	4.1810	5.0393	0.2694	0.250510
Tgif2	chr2:156840076-156855570	7.2673	6.3820	-0.1874	0.098360
Pcmt2	chr2:181837853-181857461	25.7715	29.0035	0.1705	0.341673
Sec62	chr3:30792875-30821263	36.4600	33.8595	-0.1068	0.216976
Phc3	chr3:30899294-30969415	15.1118	13.9152	-0.1190	0.458293
Mccc1os	chr3:35999832-36025106	0.5269	0.3513	-0.5848	0.316351
2810403A07Rik	chr3:88685793-88712933	54.0658	50.4448	-0.1000	0.180045
S100a13	chr3:90514434-90524581	52.0313	60.0613	0.2071	0.269802
Them4	chr3:94310088-94332540	1.7014	1.2269	-0.4716	0.365231
Hist2h3b	chr3:96268653-96269141	115.3072	157.7917	0.4525	0.373444
Usp53	chr3:122933600-122984447	14.3311	12.8264	-0.1600	0.342476
Ints12	chr3:133091839-133110988	4.1249	4.8096	0.2216	0.282216
Ccnc	chr4:21727700-21759922	9.3232	10.8185	0.2146	0.370849
Plin2	chr4:86648385-86670060	6.1544	7.2495	0.2363	0.208500
Gm12870	chr4:107327483-107328499	1.2781	0.6686	-0.9347	0.084423
Ust	chr10:8204752-8518825	0.5432	0.2632	-1.0455	0.313976
1500009L16Rik	chr10:83722864-83762761	3.0244	5.2135	0.7856	0.292680
Gm11948	chr11:3353572-3354911	0.7747	2.1736	1.4885	0.277586
Pgam2	chr11:5801639-5803733	3.7843	6.3939	0.7567	0.306585
Omg	chr11:79500981-79504084	1.0788	0.4875	-1.1459	0.490300
Jup	chr11:100368957-100397763	0.1500	0.2986	0.9935	0.156334
Gm26764	chr12:87332487-87335655	0.6814	1.2319	0.8544	0.191125
Aldh1l1	chr6:90486426-90600203	0.3613	0.5989	0.7291	0.255172
Gm16282	chr7:29138439-29140312	3.2605	1.4217	-1.1975	0.405237
Tnfrsf13c	chr15:82221743-82224339	0.4447	1.0358	1.2197	0.293220
Gm13999	chr2:120024806-120027453	1.3884	3.0315	1.1266	0.258251
Strc	chr2:121363727-121387168	0.4127	0.1940	-1.0890	0.484518
Gm14026	chr2:129168699-129170488	0.7640	1.6754	1.1329	0.288290
Cystm1	chr18:36345618-36402980	0.4282	0.1753	-1.2887	0.475406
Dclk1	chr3:55242525-55539064	0.0215	0.0625	1.5419	0.136925
Gm24016	chr4:3835078-3835146	6.9084	18.0132	1.3826	0.245049
Gm13038	chr4:143152571-143153030	8.7013	4.2457	-1.0352	0.498247
Prdm16	chr4:154316124-154636873	0.4563	0.2350	-0.9575	0.414984
Dusp3	chr11:101971142-101987013	0.1210	0.2861	1.2410	0.251960
Gm15473	chr6:17058805-17064996	0.8532	0.2921	-1.5463	0.419485
Il17c	chr8:122422019-122423639	0.4927	1.3712	1.4767	0.241922
2700046G09Rik	chr19:32389215-32391184	1.0205	0.4268	-1.2576	0.353047
Rbmx2	chrX:48695003-48710723	4.2821	3.3723	-0.3446	0.130873
2810425M01Rik	chr10:77486663-77516430	6.6334	8.1045	0.2890	0.184276
Mis12	chr11:71019610-71027371	14.5325	16.4366	0.1776	0.115407
Cdk12	chr11:98203058-98278504	20.9400	19.5704	-0.0976	0.320182

2310003H01Rik	chr11:120369054-120378764	6.3127	5.4594	-0.2095	0.406562
Sypl	chr12:32953890-32979050	4.2580	5.1032	0.2612	0.392661
F13a1	chr13:36867177-37050244	2.5887	3.5367	0.4502	0.425819
Ttc37	chr13:76098733-76187983	17.3831	15.7181	-0.1453	0.451437
Jazf1	chr6:52768796-53068631	4.5921	5.6275	0.2934	0.162441
2900076A07Rik	chr7:81523549-81531498	16.5458	14.1125	-0.2295	0.472408
Cacna1a	chr8:84388439-84640246	0.5555	0.7839	0.4970	0.373820
Gm16536	chr9:45856768-45858357	6.3291	4.9434	-0.3565	0.376654
Armc8	chr9:99478390-99568899	17.5492	16.0069	-0.1327	0.296553
Thoc2	chrX:41794990-41920674	25.2337	23.3838	-0.1098	0.434728
Pam16	chr16:4616463-4624988	2.2408	1.2827	-0.8048	0.179507
Slc3a2	chr19:8706881-8723369	34.9752	32.0387	-0.1265	0.362599
Nmnat2	chr1:152955100-153119260	0.4300	0.6560	0.6093	0.136901
Gpr21	chr2:37516331-37520603	1.1564	0.8288	-0.4806	0.119347
Rnf114	chr2:167492644-167516173	55.8987	61.8780	0.1466	0.312137
Gm16069	chr3:89180754-89182293	25.0200	19.3258	-0.3726	0.525913
Agl	chr3:116739998-116808166	1.8201	1.5221	-0.2579	0.414876
Gbp5	chr3:142496933-142522344	19.1563	22.4317	0.2277	0.439379
Klf16	chr10:80567123-80577321	8.9219	7.4034	-0.2692	0.432600
Tmem229b	chr12:78961794-79007627	16.3856	18.3223	0.1612	0.243246
Gm4787	chr12:81376990-81379464	1.1385	0.6987	-0.7045	0.370279
Cfap20	chr8:95420251-95434869	23.7969	20.9910	-0.1810	0.198669
Crat	chr2:30400470-30415813	2.3086	1.8053	-0.3547	0.464134
NA	chr2:73012853-73012927	12.0839	5.8187	-1.0543	0.029514
Rpl3-ps1	chrX:13202545-13203838	0.4728	1.0924	1.2082	0.280352
Rab33a	chrX:48519284-48530232	0.9087	0.3361	-1.4350	0.346304
Slc35a5	chr16:45139572-45158706	7.2469	6.5525	-0.1453	0.283668
Tm6sf1	chr7:81859000-81884434	5.3981	4.7409	-0.1873	0.315322
Eif2ak2	chr17:78852563-78882573	25.5718	29.3565	0.1991	0.464847
Gm26672	chr18:37746558-37768242	0.6800	0.9641	0.5038	0.346267
Itgb5	chr16:33829664-33949153	0.3643	0.7320	1.0066	0.395301
Phax	chr18:56562442-56587712	27.2237	24.5800	-0.1474	0.356161
Gm11672	chr11:106126335-106127351	2.7776	1.4011	-0.9873	0.142083
Fbxo42	chr4:141147912-141204062	6.7657	5.8944	-0.1989	0.432752
Gm26925	chr5:144110815-144111772	2.1246	1.2790	-0.7322	0.172460
Terf2	chr8:107069399-107096547	9.4280	10.6820	0.1802	0.172053
Psmb2	chr4:126677629-126709714	91.1041	83.1858	-0.1312	0.409911
Zfp277	chr12:40315045-40445790	11.9783	13.9727	0.2222	0.295791
Smarb1	chr10:75896768-75921617	10.6065	9.6603	-0.1348	0.393228
Zbtb7a	chr10:81135219-81152995	7.7086	8.9295	0.2121	0.440907
Cct4	chr11:22990518-23003780	92.0323	83.3886	-0.1423	0.562254
Gm12264	chr11:59775285-59780321	13.9457	19.4301	0.4785	0.345523
Mir142b	chr11:87756863-87756927	110.3338	80.0601	-0.4627	0.383735
Arhgap27os3	chr11:103344752-103350124	15.5962	13.1063	-0.2509	0.577244
Ccdc47	chr11:106197407-106216344	14.6193	13.4902	-0.1160	0.221020
Rptoros	chr11:119820811-119834365	1.6186	0.7093	-1.1902	0.408880
Ccdc137	chr11:120458114-120464358	9.7083	8.6831	-0.1610	0.128190
Idnk	chr13:58157648-58164693	31.4808	35.9872	0.1930	0.295263
Slc30a5	chr13:100802648-100833427	25.1549	28.3728	0.1737	0.321499
Ppwd1	chr13:104205120-104228844	13.0957	11.5880	-0.1765	0.127437
Gbp9	chr5:105078393-105139539	63.4657	70.4937	0.1515	0.366994
Ccdc62	chr5:123927417-123969895	1.3972	1.8763	0.4253	0.357524
Rhbdd2	chr5:135632617-135646448	2.9302	2.3939	-0.2916	0.473605
Chchd3	chr6:32790975-33060260	34.3554	30.4458	-0.1743	0.538647
Tgoln1	chr6:72608431-72617000	43.4483	47.2100	0.1198	0.076434
Htra2	chr6:83051265-83055273	19.4826	22.2837	0.1938	0.355671
Eogt	chr6:97110023-97149182	6.0270	7.1032	0.2370	0.314413
Zfp94	chr7:24301703-24316666	3.4627	2.8062	-0.3033	0.296714
Pafah1b3	chr7:25295048-25297986	4.2392	5.2768	0.3159	0.127948
Rccd1	chr7:80316595-80324454	7.6655	6.4684	-0.2450	0.468237
Alpk3	chr7:81057599-81105612	0.3609	0.1918	-0.9121	0.203665
Gm17136	chr7:126176123-126176534	3.6458	1.6783	-1.1192	0.303641
Zranb1	chr7:132931141-132986391	21.9268	20.2754	-0.1130	0.264120
Rwdd4a	chr8:47533663-47552955	12.7313	10.9581	-0.2164	0.471927
Ifi30	chr8:70762773-70766663	19.3421	23.0521	0.2532	0.285609
Itfg1	chr8:85717556-85840949	25.8376	28.6995	0.1516	0.196686
Has3	chr8:106870241-106884566	7.6670	6.8820	-0.1558	0.314385
Coro2b	chr9:62419491-62537044	1.0677	0.7978	-0.4204	0.362935
NA	chr9:108104964-108118343	1.3828	0.9018	-0.6167	0.477482
Sacm1l	chr9:123529881-123592598	38.3063	42.5433	0.1514	0.330536
Tonsl	chr15:76626001-76639958	5.9034	5.1663	-0.1924	0.263029

Ankrd54	chr15:79053093-79062893	10.2852	9.0414	-0.1859	0.407316
Samm50	chr15:84192232-84214303	55.0812	50.8985	-0.1139	0.177439
4930570N19Rik	chr14:26628406-26638183	7.4769	5.4522	-0.4556	0.022316
Traj24	chr14:54195637-54195700	109.7505	75.4081	-0.5414	0.499216
Oaz1-ps	chr17:17345455-17346140	15.0225	12.1027	-0.3118	0.231858
Zfp820	chr17:21816875-21845759	0.1373	0.2993	1.1243	0.107553
Zfp81	chr17:33329341-33358878	4.4818	3.9438	-0.1845	0.228178
Gm20427	chr17:34026033-34031572	46.6822	42.8252	-0.1244	0.456754
Ntan1	chr16:13819250-13835451	29.9183	33.2196	0.1510	0.052275
Tmem41a	chr16:21934326-21947552	2.2196	3.2228	0.5380	0.203301
4933407L21Rik	chr1:85928482-85940624	1.2787	2.0573	0.6860	0.159148
Kdsr	chr1:106720409-106759742	8.6117	7.7435	-0.1533	0.242488
Ly9	chr1:171588623-171607410	63.9479	69.5147	0.1204	0.117475
Gm6457	chr18:14570100-14570915	1.4920	0.6678	-1.1598	0.381591
Prpf18	chr2:4622057-4652113	22.5656	25.0926	0.1531	0.308048
Nelfb	chr2:25199711-25211489	33.3010	30.1596	-0.1430	0.505660
Pmpca	chr2:26389338-26397122	27.3258	25.0608	-0.1248	0.411905
Wdr5	chr2:27515156-27536535	19.8901	18.1994	-0.1282	0.255669
Ncoa6	chr2:155390655-155473894	3.7160	3.1383	-0.2438	0.552776
Ube2q1	chr3:89773608-89783997	40.9187	45.3571	0.1486	0.294760
Tspan2	chr3:102734528-102772292	1.8077	1.4419	-0.3263	0.086750
Ptbp2	chr3:119718741-119783388	15.1567	13.4406	-0.1734	0.425001
Zranb2	chr3:157534159-157548390	36.9498	33.0933	-0.1590	0.545904
Creb3	chr4:43562331-43567060	17.8912	20.7215	0.2119	0.383001
Hook1	chr4:95967239-96025413	8.7689	9.8014	0.1606	0.242403
Cc2d1b	chr4:108619939-108634123	37.7893	35.4796	-0.0910	0.147152
Aldh4a1	chr4:139622865-139649690	5.9099	5.2324	-0.1757	0.123645
Cep104	chr4:153975193-154008732	4.0721	3.4921	-0.2217	0.251738
Jam3	chr9:27097384-27155421	0.3017	0.6139	1.0250	0.163825
Usp27x	chrX:7371275-7375830	0.5670	0.9467	0.7395	0.194394
Rgmb	chr17:15806252-15826586	0.5809	1.0566	0.8630	0.167697
Gm13402	chr2:29349841-29396459	8.3133	14.1983	0.7722	0.339426
Csf3r	chr4:126024549-126044440	0.1282	0.2947	1.2004	0.205587
NA	chr2:13557847-13560324	0.2067	0.4821	1.2217	0.178181
Rarres1	chr3:67478885-67515523	0.9144	0.3881	-1.2364	0.494834
Ndel1	chr11:68821433-68871858	15.2728	17.5314	0.1990	0.318670
Gm11766	chr11:119938510-119942074	1.8110	1.3361	-0.4388	0.247714
Msh3	chr13:92211880-92355003	15.9325	18.0979	0.1839	0.328427
2610021A01Rik	chr7:41599260-41628533	13.8228	12.5265	-0.1421	0.191273
Otud4	chr8:79639617-79677724	48.1157	45.2125	-0.0898	0.326871
Snupn	chr9:56950877-56983206	8.5862	6.9607	-0.3028	0.257728
Grina	chr15:76246806-76249904	30.1550	35.7996	0.2475	0.488339
Nckap1l	chr15:103453824-103498800	126.2326	119.5583	-0.0784	0.260285
Psmb9	chr17:34181987-34187764	44.1284	48.3996	0.1333	0.231188
Dennd1c	chr17:57066055-57078510	58.6934	52.9448	-0.1487	0.548975
Fkbp2	chr19:6977740-6980461	14.9936	18.7201	0.3202	0.234717
NA	chr1:138977656-138979240	3.7556	1.5696	-1.2586	0.306664
Esr1	chr10:4611592-5005614	0.2038	0.3082	0.5971	0.201797
Gm11788	chr11:120489405-120492394	0.5320	1.4983	1.4937	0.138172
S100a9	chr3:90692631-90695721	2.6999	10.9815	2.0241	0.310854
Eif2s2	chr2:154871409-154892935	9.5918	8.2994	-0.2088	0.543652
Rplp0	chr5:115559466-115563727	403.7777	458.9214	0.1847	0.522485
Ap1m1	chr8:72240017-72257385	25.2426	22.8303	-0.1449	0.424295
Mrpl9	chr3:94443317-94451130	20.1327	23.0027	0.1923	0.311565
Calml4	chr9:62858103-62875918	0.4469	1.0851	1.2796	0.401935
Yars	chr4:129189759-129219607	7.4316	8.5359	0.1999	0.344468
Cenpw	chr10:30196010-30200540	1.5988	2.8550	0.8365	0.310668
Rnf5	chr17:34601090-34603690	4.1628	5.6293	0.4354	0.318914
Sdhd	chr4:140961202-140979193	47.5443	53.2972	0.1648	0.348875
Nagk	chr6:83794981-83803420	3.1726	3.9830	0.3282	0.302197
Il17ra	chr6:120463196-120483727	56.4044	51.6258	-0.1277	0.532688
Megf11	chr9:64385625-64709205	1.7692	1.3516	-0.3884	0.624456
Hdhd2	chr18:76930125-76972902	7.9847	9.4293	0.2399	0.432952
Gm26841	chr2:152694732-152696692	24.2778	20.7035	-0.2298	0.553859
Rae1	chr2:173000116-173015739	34.8870	31.4287	-0.1506	0.477755
Gm10451	chr12:76444559-76451336	4.1314	2.4471	-0.7556	0.438340
Fabp3	chr4:130308594-130315463	0.7114	1.5808	1.1520	0.278976
Apool	chrX:112311333-112372755	5.3749	6.3769	0.2466	0.184774
Acad8	chr9:26974134-26999566	6.4726	5.3643	-0.2709	0.542497
Xpot	chr10:121587379-121626316	16.0574	14.6610	-0.1313	0.391262
Naglu	chr11:101070011-101077672	7.4838	8.7403	0.2239	0.061830

Ccr10	chr11:101172996-101175443	1.4896	0.7582	-0.9742	0.368250
Nom1	chr5:29434663-29453506	15.7341	14.4377	-0.1241	0.212537
Tspyl2	chrX:152336851-152342425	14.5096	12.5124	-0.2136	0.511837
1700030C12Rik	chr11:23497752-23499661	0.9512	1.8245	0.9397	0.205913
Tspyl1	chr10:34282189-34284885	31.1003	34.9376	0.1679	0.331387
Tlr6	chr5:64953105-64960048	3.3324	4.2999	0.3677	0.271430
Foxm1	chr6:128362966-128375893	2.9442	3.6552	0.3121	0.434508
Zw10	chr9:49055580-49078772	26.4577	23.6836	-0.1598	0.450033
Fas	chr19:34290658-34327770	19.6238	22.5512	0.2006	0.297747
Synpo	chr18:60593972-60660142	1.4304	1.1343	-0.3347	0.399029
Rab16	chr2:25583017-25608521	13.4201	12.0946	-0.1500	0.453865
Plagl1	chr10:13090690-13131694	0.2605	0.4864	0.9007	0.355937
Zfp869	chr8:69706331-69710724	27.4908	31.3985	0.1917	0.247708
2210408F21Rik	chr6:31220350-31337404	1.5112	0.7530	-1.0050	0.389768
Rfc1	chr5:65261851-65335670	20.8914	19.4429	-0.1037	0.187344
Gm3752	chr14:7466361-7483762	0.6905	0.3108	-1.1518	0.349697
Caskin1	chr17:24488782-24508905	0.7809	0.5474	-0.5127	0.387296
Capn10	chr1:92934375-92947941	3.0557	3.7875	0.3097	0.345733
Sppl2b	chr10:80855274-80868705	8.9620	7.4158	-0.2732	0.513153
Sbf2	chr7:110308012-110614922	1.0612	0.8226	-0.3674	0.548813
Chst2	chr9:95400928-95407270	11.5202	13.2349	0.2002	0.464544
Zc4h2	chrX:95639192-95658509	2.4601	1.6311	-0.5929	0.577947
Ebpl	chr14:61339762-61360445	7.0485	8.4127	0.2553	0.120867
Pknx1	chr17:31564748-31607680	12.6688	11.6319	-0.1232	0.327727
Cfap43	chr19:47737560-47919287	0.5327	0.3372	-0.6597	0.334363
Pard6g	chr18:80046894-80119640	3.8138	4.6943	0.2997	0.262163
Pigu	chr2:155278242-155357430	3.8336	3.4233	-0.1633	0.150177
Chd6	chr2:160946977-161109075	14.4558	13.4825	-0.1006	0.398465
S100a11	chr3:93520487-93526287	4.3370	6.6067	0.6072	0.330551
Gm25687	chr4:54468332-54468611	11.8298	17.7182	0.5828	0.302214
Ckap4	chr10:84526304-84534036	0.6833	0.3017	-1.1796	0.364102
D230017M19Rik	chr1:72236464-72274869	0.1308	0.2774	1.0845	0.252142
Clcf1	chr19:4214237-4223490	7.5065	6.6459	-0.1757	0.077790
B3gnt2	chr11:22834746-22860961	69.7187	75.5595	0.1161	0.070409
Fam161b	chr12:84345308-84361833	0.6738	0.4656	-0.5332	0.112255
Zbtb42	chr12:112678827-112682747	2.5068	3.2215	0.3619	0.340469
Agtbp1	chr13:59449536-59585227	7.5954	6.9004	-0.1384	0.433164
Vps4a	chr8:107031221-107045755	30.3222	27.8346	-0.1235	0.261033
Zfp598	chr17:24669751-24682015	17.7448	17.9215	-0.1398	0.354608
Map4k2	chr19:6341134-6355615	66.7854	62.1028	-0.1049	0.499262
Apc	chr18:34220923-34322189	12.2575	11.2621	-0.1222	0.495268
Dapl1	chr2:59484652-59505020	5.0408	3.1459	-0.6802	0.450737
Ppm1l	chr3:69316860-69560802	3.2121	2.7933	-0.2016	0.358317
Cyb561d1	chr3:108195686-108201212	9.1160	8.2141	-0.1503	0.242355
Tex38	chr4:115779833-115781018	1.7709	0.7018	-1.3353	0.385535
Gm11221	chr4:69691977-69692574	1.0879	2.2577	1.0533	0.158299
Gga1	chr15:78877189-78894585	13.2369	11.4233	-0.2126	0.514783
Gm26885	chr17:29461895-29491925	37.0372	42.9975	0.2153	0.476427
Abtb2	chr2:103566309-103718423	17.2526	15.8742	-0.1201	0.359989
Tubgcp4	chr2:121170653-121198770	21.8649	20.2618	-0.1099	0.397497
AU022252	chr4:119203569-119232712	3.5103	3.1349	-0.1632	0.142432
Gpr157	chr4:150087364-150105927	0.4958	0.3074	-0.6895	0.380467
Zfp750	chr11:121510977-121519333	0.9647	0.5164	-0.9015	0.470572
Gcnt2	chr13:40859767-40960891	0.3433	0.1790	-0.9394	0.389506
4931422A03Rik	chr2:103966942-104028361	0.9268	1.5924	0.7809	0.302388
Txndc9	chr1:37983866-37997346	13.2946	14.8937	0.1639	0.281806
Dapp1	chr3:137931006-137981545	33.4256	36.7311	0.1361	0.123584
Mllt6	chr11:97663413-97685463	68.9432	64.1124	-0.1048	0.510817
Slc9a1	chr4:133369705-133423702	4.9333	4.1858	-0.2371	0.434385
Gas2l3	chr10:89408822-89443967	1.9065	2.4422	0.3572	0.429323
Gm527	chr12:64917910-64924591	2.4751	3.9254	0.6654	0.312244
Carm1	chr9:21546893-21589487	13.2421	11.9336	-0.1501	0.360566
Mfsd8	chr3:40818069-40846885	6.2752	5.4230	-0.2106	0.181749
Btbd8	chr5:107437996-107491628	2.1186	1.3203	-0.6823	0.376120
Rec8	chr14:55618036-55625395	4.5759	5.8652	0.3581	0.523913
Nfkib1	chr7:28758250-28767512	11.0016	12.8069	0.2192	0.139733
Dok4	chr8:94863827-94876312	2.1863	2.8575	0.3862	0.192888
Spata1	chr3:146457202-146499753	3.4358	2.8929	-0.2481	0.153690
Efcab9	chr11:32522750-32532081	2.3264	1.3661	-0.7681	0.265191
Tesc	chr5:118027742-118061878	17.0619	14.4654	-0.2382	0.438989
Gpc2	chr5:138264951-138280005	0.9281	1.1796	0.3459	0.230683

Gcfc2	chr6:81923668-81959915	4.5375	5.3156	0.2283	0.363658
Dhx34	chr7:16197146-16222037	12.3318	11.0158	-0.1628	0.437591
Gtf2h1	chr7:46796102-46823800	38.5190	35.1025	-0.1340	0.466499
Abcb10	chr8:123952458-123983122	1.9559	2.5526	0.3841	0.373186
Ice2	chr9:69397905-69433122	7.9682	7.1505	-0.1562	0.423395
Vaultrc5	chr18:36801865-36802008	37.3187	53.9886	0.5328	0.567812
Sike1	chr3:102995727-103003914	14.1192	12.8648	-0.1342	0.271500
Acer2	chr4:86874395-86934822	0.9135	1.1779	0.3667	0.147126
Stag1	chr9:100597797-100958545	21.1639	19.8235	-0.0944	0.304818
Las1l	chrX:95935334-95956962	4.6499	5.4707	0.2345	0.395704
Rabggtb	chr3:153907288-153912966	48.4671	43.5169	-0.1554	0.475246
Mgst2	chr3:51660359-51682675	14.2370	16.1680	0.1835	0.317041
Tax1bp3	chr11:73177082-73183162	0.1642	0.4150	1.3379	0.331801
Tbpl1	chr10:22703878-22731938	16.3578	18.8166	0.2020	0.398189
Stat6	chr10:127642985-127660957	17.1383	67.6220	-0.1131	0.532263
Pik3ip1	chr11:3330400-3342971	16.1053	14.5783	-0.1437	0.424093
Gm11508	chr11:88011990-88048006	53.8452	46.1674	-0.2219	0.404510
NA	chr5:73193827-73256588	24.9113	21.6633	-0.2015	0.498367
Bax	chr7:45461694-45466898	58.1926	52.7249	-0.1423	0.270249
Irf2	chr8:46739744-46847458	13.2490	11.2621	-0.2344	0.500664
Clgn	chr8:83389866-83428552	0.3478	0.1247	-1.4796	0.334898
Armcx5	chrX:135742732-135747322	8.2245	7.3148	-0.1691	0.288386
Adsl	chr15:80948489-80970947	26.5660	24.2957	-0.1289	0.455377
Gm26637	chr17:78882041-78892500	4.2296	5.3989	0.3521	0.352323
Mir1306	chr16:18284238-18284317	53.6875	38.2535	-0.4890	0.239880
Btrc	chr19:45363733-45533341	4.2116	3.7384	-0.1719	0.006630
Gm16283	chr18:49755793-49757189	4.5925	2.6961	-0.7684	0.485986
Skida1	chr2:18040675-18049051	0.5647	0.3591	-0.6532	0.283588
Dnajc10	chr2:80315465-80354043	22.9921	25.2213	0.1335	0.140079
Ssr3	chr3:65379654-65392623	43.6412	40.5369	-0.1065	0.405956
Akap6	chr12:52699382-53151015	0.0480	0.1363	1.5074	0.267487
NA	chrX:12134458-12160346	2.8628	4.7332	0.7254	0.256745
Epb4.114a	chr18:33796326-34007206	1.0881	1.6173	0.5718	0.330489
Tbxa2r	chr10:81328731-81335171	13.0419	10.7293	-0.2816	0.527415
Txndc15	chr13:55714649-55726221	22.9295	19.2296	-0.2539	0.556321
Trav17	chr14:53806524-53807113	5.6658	2.7918	-1.0211	0.268604
Fubp3	chr2:31572650-31617526	9.9133	11.1668	0.1718	0.125266
Myo15b	chr11:115861611-115892603	0.0573	0.1290	1.1706	0.231900
Fhod1	chr8:105329162-105347953	6.6848	5.7343	-0.2213	0.519445
Sh3gfb2	chr2:30344808-30359337	25.1335	22.8096	-0.1400	0.482218
Gm26835	chr10:13967023-14007405	7.5365	6.1235	-0.2995	0.567770
Pitpnb	chr5:111330762-111388359	10.4539	9.2790	-0.1720	0.120362
Eci1	chr17:24426682-24439316	17.9211	21.5801	0.2680	0.360004
Ube2w	chr1:16540789-16619489	4.1859	4.8859	0.2231	0.213834
Fam135a	chr1:24010757-24100341	0.0651	0.1734	1.4141	0.362770
Acap3	chr4:155891821-155907251	4.9891	5.8294	0.2246	0.310262
Rps19-ps11	chr10:43373487-43373920	2.1688	0.8078	-1.4248	0.471986
Tubgcp3	chr8:12614276-12672248	16.0512	14.9761	-0.1000	0.222281
Pafah2	chr4:134396319-134427413	0.9654	0.6496	-0.5715	0.328181
Metap2	chr10:93858488-93897093	11.9430	13.2706	0.1521	0.254806
Arhgap9	chr10:127323726-127329943	125.9778	118.1483	-0.0926	0.354229
Sertad2	chr11:20543252-20653021	7.2719	8.3815	0.2049	0.329795
Ypel2	chr11:86936424-86993707	6.6909	5.8245	-0.2001	0.390896
Fam195b	chr11:120542887-120549727	26.5318	22.7477	-0.2220	0.475458
Pacs2	chr12:113014507-113074401	11.7082	10.5200	-0.1544	0.430076
Vsig10	chr5:117319265-117355005	3.6881	4.4521	0.2716	0.393893
Zfyve20	chr6:92186711-92214925	7.8148	8.9036	0.1882	0.285369
Carkd	chr8:11497505-11514960	13.5649	12.2466	-0.1475	0.322905
Wdfy2	chr14:62837689-62956886	7.7209	9.1851	0.2505	0.123689
Zfp946	chr17:22424221-22456689	0.7389	1.0964	0.5693	0.315858
Ifnar2	chr16:91372782-91405589	38.7955	36.1282	-0.1028	0.242325
Scly	chr1:91298337-91321075	8.8161	10.0262	0.1856	0.256286
Ppp1r15b	chr1:133131142-133139783	41.0342	44.5963	0.1201	0.167799
Fkbp7	chr2:76663043-76673116	0.7682	1.4530	0.9194	0.328392
Pmepa1	chr2:173224457-173276533	3.2698	4.1830	0.3553	0.480868
Slc39a1	chr3:90248171-90253612	11.3403	13.4790	0.2493	0.395348
Mllt11	chr3:95219134-95228677	11.8010	10.0038	-0.2384	0.436043
Olfml3	chr3:103722221-103738001	0.9555	0.6219	-0.6195	0.512485
Ddx20	chr3:105678269-105687574	13.2506	11.9108	-0.1538	0.350598
Trp53inp1	chr4:11156430-11174379	144.0519	155.4104	0.1095	0.218403
Srrm1	chr4:135320483-135353321	13.7777	12.6146	-0.1272	0.405296

Gm26527	chr13:93940989-93943015	0.9912	1.7394	0.8113	0.260707
Snora70	chrX:74272483-74272620	36.1995	23.9011	-0.5989	0.427568
Man2b2	chr5:36806920-36830653	17.1410	15.3061	-0.1633	0.464823
Foxj2	chr6:122819913-122845366	8.2424	7.1928	-0.1965	0.505010
NA	chr7:27988274-28014115	7.1937	8.8198	0.2940	0.427533
Acp5	chr9:22126730-22135746	34.0556	38.7293	0.1855	0.362021
Gpr174	chrX:107255877-107296769	50.5363	46.1751	-0.1302	0.554373
Cox15	chr19:43733253-43753000	8.0669	9.0996	0.1738	0.072150
Dclre1a	chr19:56529160-56548222	3.8925	4.4835	0.2039	0.091733
Ppie	chr4:123127114-123139951	19.1374	22.6974	0.2461	0.390354
9230110C19Rik	chr9:8021671-8042823	0.2684	0.6882	1.3587	0.220669
Ip6k1	chr9:108002500-108048780	37.1233	34.5408	-0.1040	0.446154
Plk4	chr3:40800018-40816883	6.9531	7.9593	0.1950	0.317809
Pnpo	chr11:96937824-96943986	10.3129	12.0920	0.2296	0.324175
Galr2	chr11:116280938-116283938	0.4834	0.2510	-0.9452	0.164069
Uprt	chrX:104482817-104507490	4.8823	3.9235	-0.3154	0.362296
Dennd1b	chr1:138963435-139176043	15.0729	14.1365	-0.0925	0.294565
Gm25835	chr11:69668851-69668995	55.7643	78.0101	0.4843	0.561921
Rrm2	chr12:24708240-24714146	25.7969	28.9589	0.1668	0.362089
Tbca	chr13:94788942-94842899	32.3862	41.5548	0.3596	0.483859
Tapt1	chr5:44175163-44226606	37.8650	35.0355	-0.1120	0.376766
Sppl3	chr5:115011136-115098790	10.6326	9.3430	-0.1865	0.512822
Trbv13-1	chr6:41116035-41116468	96.4852	113.1916	0.2304	0.452350
Etnk1	chr6:143167229-143208542	46.6303	43.8001	-0.0903	0.324203
Mypop	chr7:18991244-19001766	3.6609	2.8377	-0.3675	0.267273
Blvrb	chr7:27447977-27466144	1.6636	2.4099	0.5347	0.177625
Dcun1d2	chr8:13255962-13288126	10.9741	12.8442	0.2270	0.386750
Gm17484	chr8:25754508-25769704	7.0323	8.7243	0.3110	0.374590
Oaf	chr9:43221277-43239816	1.0338	0.6012	-0.7820	0.436707
Csk	chr9:57626646-57645653	125.5417	116.8364	-0.1037	0.505425
Smc1a	chrX:152016427-152062694	54.6395	59.5539	0.1242	0.291443
1110038F14Rik	chr15:76948538-76950729	24.8852	21.9109	-0.1836	0.161749
Zswim8	chr14:20707551-20723618	19.8197	17.6948	-0.1636	0.569804
Snx9	chr17:5841327-5931033	15.7739	18.2274	0.2086	0.385412
Tgif1	chr17:70844204-70853546	10.9360	12.7266	0.2188	0.403492
Hibch	chr1:52845012-52920986	11.6784	10.1422	-0.2035	0.359237
Coq10b	chr1:55052769-55072701	11.1107	13.6994	0.3022	0.450631
Rnasel	chr1:153749425-153764221	14.2361	15.9010	0.1596	0.337435
Nvl	chr1:181093422-181144157	30.4043	28.0345	-0.1171	0.303825
Zfp397	chr18:23954687-23964671	31.9032	29.2267	-0.1264	0.478833
Rif1	chr2:52072836-52122383	33.1155	30.7204	-0.1083	0.487446
Gm24451	chr2:130276236-130276369	17.3628	10.2787	-0.7563	0.381339
A930019D19Rik	chr2:146259285-146267160	0.4387	1.1126	1.3427	0.267953
NA	chr4:32243732-32246475	4.0339	3.2231	-0.3237	0.377258
Snacp3	chr4:83417723-83467676	24.7252	22.6186	-0.1285	0.496469
Tnfrsf1b	chr4:145213462-145246870	100.0090	113.4761	0.1823	0.526221
Gm10343	chr16:10801368-10801716	0.7978	2.3711	1.5715	0.239388
Gm16170	chr11:48843647-48853493	0.2209	0.3880	0.8131	0.070647
B4galnt2	chr11:95865942-95914891	0.3225	0.7785	1.2714	0.246780
Atp5d	chr10:80138631-80145818	50.7976	45.7948	-0.1496	0.497807
Gm12735	chr11:3193515-3194263	3.3584	1.6128	-1.0583	0.542542
Pigl	chr11:62458459-62514417	3.3201	4.2424	0.3537	0.303513
Gm11707	chr11:106972057-106973090	7.5643	10.1789	0.4283	0.058495
Pfkp	chr13:6579767-6648777	29.2054	27.3936	-0.0924	0.396038
Utp15	chr13:98246844-98262992	21.0854	18.6319	-0.1785	0.547956
Ran	chr5:129020068-129024323	34.5514	40.3024	0.2221	0.508524
Gpr162	chr6:124858443-124863917	0.9365	0.5755	-0.7025	0.368318
Cnot3	chr7:3645289-3661108	11.1960	9.8537	-0.1842	0.510461
Stard10	chr7:101317085-101346626	3.4869	4.4906	0.3650	0.409434
Usp38	chr8:80980733-81014906	42.8272	40.2839	-0.0883	0.263649
Zfp92	chrX:73411095-73428385	0.2176	0.1244	-0.8064	0.189559
Dock5	chr14:67751927-67933572	2.0619	1.7900	-0.2040	0.173927
Guca1b	chr17:47385392-47392967	0.8967	0.5441	-0.7207	0.242987
Atg3	chr16:45158784-45188538	18.3254	21.0479	0.1998	0.430823
Gm16897	chr1:194955758-194976959	1.0502	0.6233	-0.7526	0.405207
Rock1	chr18:10064400-10181792	51.9882	57.0631	0.1344	0.384166
Nrgn	chr9:37544491-37552904	0.2530	0.5921	1.2268	0.220467
Hnrnp3	chr10:63014663-63024217	11.5775	10.0383	-0.2058	0.486683
Aifm1	chrX:48474943-48513563	10.4485	12.2021	0.2238	0.413273
Gm11175	chr8:70699537-70700080	182.2160	213.5244	0.2288	0.579690
Rab4a	chr8:123805984-123835287	5.6069	4.4023	-0.3489	0.377412

Gramd3	chr18:56432131-56503792	17.4218	19.6291	0.1721	0.194454
Snord82	chr1:86356260-86356330	4.5757	12.3717	1.4350	0.177888
Ndufs7	chr10:80249120-80256794	21.2878	18.5917	-0.1954	0.409754
Sgk1	chr10:21882183-21999903	4.2942	5.0984	0.2477	0.348368
1110002J07Rik	chr10:66912488-66920258	0.5145	0.9257	0.8475	0.434675
Aff4	chr11:53350832-53421830	16.5799	15.5492	-0.0926	0.298724
Luc7l3	chr11:94287889-94321988	51.2910	48.1532	-0.0911	0.399507
Gm11619	chr11:101353308-101353545	3.6815	1.5137	-1.2822	0.323681
Map4k5	chr12:69803749-69893200	3.1243	2.6015	-0.2642	0.515206
Tmed8	chr12:87166241-87200229	11.4816	10.5567	-0.1212	0.286787
Armc10	chr5:21645812-21662694	21.3775	23.9488	0.1639	0.306214
Zscan25	chr5:145283342-145291469	10.2096	8.8494	-0.2063	0.185576
Cnbp	chr6:87842614-87851106	152.7625	171.4393	0.1664	0.505127
Ccdc106	chr7:5056151-5060785	0.5468	0.8670	0.6649	0.241836
Sertad1	chr7:27486909-27490316	25.3443	22.0730	-0.1994	0.440113
Sgpp2	chr1:78310345-78420286	4.1058	3.1749	-0.3709	0.512299
Spcs2-ps	chr2:129378270-129379396	1.7938	0.8055	-1.1550	0.391273
Serpini1	chr3:75557546-75643495	2.2707	2.7751	0.2894	0.311700
Rnf115	chr3:96727610-96791155	40.3455	37.4070	-0.1091	0.193177
Cd160	chr3:96798762-96829351	9.5702	8.2055	-0.2220	0.398318
Usp33	chr3:152346477-152393612	22.2867	20.6986	-0.1067	0.319679
Crocc	chr4:141016636-141060550	2.2613	2.6978	0.2547	0.314870
NA	chr9:104084156-104102560	1.1460	0.6412	-0.8377	0.351315
Cnm2	chr19:46761595-46878795	2.8869	2.3412	-0.3022	0.346318
Usp32	chr11:84984441-85140161	10.8167	9.9461	-0.1211	0.285150
Srd5a3	chr5:76140270-76155504	5.9854	7.1551	0.2575	0.489527
Sp140	chr1:85600377-85645037	11.0501	12.5845	0.1876	0.190592
Gm16599	chr5:136274995-136417894	2.2690	1.4226	-0.6735	0.365533
Socs6	chr18:88665223-88927481	3.4650	3.0850	-0.1676	0.125430
Gm14718	chrX:57200642-57204378	2.1503	3.8109	0.8256	0.247415
Rab2Gos	chr17:24528247-24528744	7.3380	17.0983	1.2204	0.165092
9630033F20Rik	chr6:127085115-127109550	6.0904	5.3329	-0.1916	0.166785
Clcn4-2	chr7:7282315-7299511	29.2488	31.8005	0.1207	0.033321
Anxa11	chr14:25842182-25886804	6.7479	7.9213	0.2313	0.381172
Stmn2	chr3:8509526-8561604	0.1683	0.4562	1.4385	0.256541
Gpatch2l	chr12:86241889-86291414	14.9246	16.7387	0.1655	0.269346
Efcab8	chr2:153780878-153844752	0.2447	0.0903	-1.4387	0.453217
Noc4l	chr5:110648417-110653417	15.7894	13.9191	-0.1819	0.453787
Cdk5rap3	chr11:96907425-96916496	13.4287	15.0985	0.1691	0.246263
Cish	chr9:107296025-107302784	23.7206	20.9200	-0.1813	0.654323
Snx5	chr2:144250122-144270906	62.4546	68.8758	0.1412	0.395331
Phc1	chr6:122317730-122340561	3.6682	3.1327	-0.2277	0.318653
Cenpi	chrX:134308083-134362639	1.9692	2.5238	0.3580	0.421989
Xrcc5	chr1:72307420-72394952	30.5684	34.4484	0.1724	0.398943
Tesk1	chr4:43441938-43448064	6.6190	7.7026	0.2187	0.336768
Smarcc2	chr10:128459235-128490173	30.8740	28.1283	-0.1344	0.533700
Ssc4d	chr5:135960210-135974531	0.6718	0.3807	-0.8194	0.228229
Cds2	chr2:132263147-132312050	38.2109	35.8586	-0.0917	0.427317
Ighj2	chr12:113429513-113429567	115.8509	79.6867	-0.5399	0.489355
Rpf1	chr3:146506347-146521423	72.6860	65.3365	-0.1538	0.519356
Pdk2	chr11:95026257-95041354	0.3374	0.6377	0.9184	0.259563
Ddx54	chr5:120613129-120628590	45.6838	42.3215	-0.1103	0.474126
Trim5	chr7:104263385-104288094	14.6261	16.6598	0.1878	0.351810
Tctex1d2	chr16:32419701-32429099	0.3859	0.6653	0.7858	0.342575
Itga3	chr11:95044473-95076801	0.9636	0.6816	-0.4995	0.422085
Coasy	chr11:101082564-101086619	8.9039	10.4592	0.2323	0.319742
E2f8	chr7:48866428-48881596	2.3310	2.8825	0.3064	0.391408
Nat6	chr9:107578886-107584048	3.4235	4.2727	0.3197	0.330340
Dnajc19	chr3:34056019-34081321	10.4869	9.3592	-0.1641	0.388995
Gm26838	chr16:35805946-35808946	0.5271	1.1602	1.1382	0.242219
Rtn4rl1	chr11:75193782-75267769	3.6871	3.0840	-0.2577	0.250012
Gosr2	chr11:103676848-103697898	39.0918	42.9168	0.1347	0.274621
Uba52	chr8:70508262-70510801	5.7980	4.6935	-0.3049	0.085970
1700065D16Rik	chr9:95855551-95858320	1.2353	0.8182	-0.5943	0.397815
Dpp7	chr2:25352275-25356359	5.3837	4.4707	-0.2681	0.403524
Gm16272	chr6:39584091-39592784	2.6209	4.9056	0.9044	0.169632
Gm12316	chr11:70611211-70613211	13.9576	10.2291	-0.4484	0.343847
Apobr	chr7:126584941-126589112	2.5983	3.3073	0.3481	0.396951
Asph	chr4:9448068-9669344	0.0590	0.1013	0.7792	0.230217
6720427I07Rik	chr13:48535522-48537822	30.2753	27.1617	-0.1566	0.472845
Adamts3	chr5:89673840-89883334	0.2441	0.1404	-0.7973	0.216621

Scap	chr9:110333287-110384946	23.3135	21.0836	-0.1450	0.543787
Rps6ka3	chrX:159210306-159368244	12.5568	11.0940	-0.1787	0.600492
Ptpn7	chr1:135132724-135145320	124.6547	135.2482	0.1177	0.323936
Snx30	chr4:59805839-59904737	3.9826	4.6483	0.2230	0.410048
Tet1	chr10:62804569-62899118	1.6871	1.4478	-0.2207	0.455185
D10Wsu102e	chr10:83360220-83368835	23.1046	20.9550	-0.1409	0.431175
Cry1	chr10:85131701-85185054	16.4681	14.8752	-0.1468	0.352591
Ascl4	chr10:85928490-85946206	4.9848	6.2549	0.3274	0.081243
Ulk1	chr5:110784487-110810097	6.2861	5.3247	-0.2395	0.521223
Emc3	chr6:113514873-113531638	27.8924	31.3447	0.1684	0.340062
Mir343	chr7:19386642-19386717	42.7359	27.6837	-0.6264	0.430484
Cdt1	chr8:122568014-122573128	14.2310	16.4247	0.2068	0.323980
C2cd2l	chr9:44309236-44320282	3.1630	3.9699	0.3278	0.439018
Ccpg1	chr9:72985428-73016340	15.9582	17.9537	0.1700	0.371827
L3mbtl2	chr15:81663888-81688315	8.6374	7.8571	-0.1366	0.232515
Mettl17	chr14:51884841-51893039	12.9835	14.7875	0.1877	0.348982
Tnfsf11	chr14:78277444-78308043	27.3615	30.7956	0.1706	0.299824
Tfeb	chr17:47737029-47792419	2.9398	3.5516	0.2728	0.397061
Wash	chr17:66111545-66120503	16.7306	18.6294	0.1551	0.066997
Gm16565	chr1:165781074-165789367	18.2574	15.9741	-0.1927	0.522876
Copa	chr1:172082528-172122330	48.3169	52.0635	0.1077	0.157973
Pkd2l2	chr18:34409422-34442789	5.7715	7.2753	0.3341	0.454140
Pomt1	chr2:32236589-32255005	2.5470	2.1772	-0.2263	0.239085
Ola1	chr2:73092800-73218924	27.3321	23.9600	-0.1900	0.581525
4921531C22Rik	chr2:179975992-179979013	2.6306	3.5784	0.4439	0.291633
Lsm14b	chr2:180024986-180035465	18.3988	16.7984	-0.1313	0.231999
Fam83h	chr15:76001092-76014336	0.1866	0.3600	0.9480	0.197080
Gm13071	chr4:149500632-149501008	3.5094	1.4803	-1.2453	0.298352
Svip	chr7:51997164-52006018	0.3537	0.1533	-1.2060	0.459879
Plod3	chr5:136987018-136996648	2.9894	3.6936	0.3052	0.458829
Pdzd4	chrX:73793358-73824969	0.5299	0.8735	0.7210	0.282092
Mrpl2	chr17:46646228-46650139	24.0785	28.2566	0.2308	0.362727
Adat3	chr10:80602879-80615783	9.6199	8.5835	-0.1645	0.395062
Nudcd3	chr11:6105690-6200415	13.7573	15.0469	0.1293	0.030979
Gm20705	chr6:99384606-99388499	2.0053	1.2854	-0.6416	0.546719
Lcat	chr8:105939550-105943382	1.4286	0.7976	-0.8409	0.311382
Gm16573	chr14:56607260-56620513	9.2963	11.5840	0.3174	0.406873
Prc	chr3:87858899-87885608	23.5282	21.0983	-0.1573	0.429629
Gm10638	chr8:86745698-86746603	2.1930	1.1291	-0.9577	0.446170
Zfp72	chr13:74371425-74376566	2.8138	1.8922	-0.5724	0.423499
Gm13405	chr2:31209469-31211347	1.7161	0.8035	-1.0948	0.309219
Gtpbp10	chr5:5537453-5559538	1.5064	1.9626	0.3817	0.342742
Snora68	chr8:70895758-70895889	22.4522	32.0021	0.5113	0.308764
Ano6	chr15:95790842-95975464	17.1743	15.8864	-0.1125	0.342221
Guk1	chr11:59183874-59192212	17.9904	15.7744	-0.1896	0.439096
Gm11725	chr11:117871249-117887416	2.2809	1.5992	-0.5123	0.271286
Usp1	chr5:149184349-149215434	14.0612	12.9813	-0.1153	0.338439
Cd8b1	chr6:71322835-71337477	7.2024	5.6278	-0.3559	0.362910
Gm15929	chr7:3666251-3670278	4.1153	2.9122	-0.4989	0.393046
Bcl3	chr7:19808461-19822770	16.3817	14.4837	-0.1777	0.434242
4930405O22Rik	chr17:63305445-63312973	3.1883	2.1682	-0.5563	0.248388
Ehhadh	chr16:21761286-21787844	5.3319	4.3818	-0.2831	0.459236
Ints7	chr1:191575762-191622672	22.8930	25.2465	0.1412	0.249557
Riok3	chr18:12128849-12157367	43.5775	47.8970	0.1364	0.310601
Lama5	chr2:180176372-180225859	0.3415	0.2327	-0.5532	0.380090
Gm10604	chr4:11979559-11981265	0.7266	1.3132	0.8538	0.225620
Dlg2	chr7:91090705-92447003	0.0743	0.1540	1.0512	0.275641
Deptor	chr15:55112316-55259271	0.0458	0.1156	1.3357	0.290154
Snord55	chr4:117155769-117155848	13.7107	25.7998	0.9121	0.280569
Ankrd61	chr5:143890740-143897685	3.7869	3.0430	-0.3155	0.268649
Emc4	chr2:112363010-112368027	12.4484	15.0790	0.2766	0.281817
Aqr	chr2:114101169-114187024	17.0845	16.0657	-0.0887	0.245958
Mgll	chr6:88724411-88828360	0.0659	0.1966	1.5768	0.311611
2210016F16Rik	chr13:58380045-58385225	23.9650	26.5978	0.1504	0.204882
Shmt1	chr11:60788103-60811718	15.8190	13.9897	-0.1773	0.554680
Fam83g	chr11:61684090-61709951	1.5584	2.0614	0.4036	0.493484
Slc35b4	chr6:34153379-34177111	5.0536	4.5515	-0.1510	0.347659
Zbtb2	chr10:4367073-4388108	12.6519	14.1892	0.1654	0.091903
Mir1190	chr12:101021672-101021793	14.6488	8.2211	-0.8334	0.164945
Polr2c	chr8:94857449-94864242	10.8141	9.1334	-0.2437	0.345674
Ogn	chr13:49608070-49624500	0.5512	0.2589	-1.0902	0.311389

St7	chr6:17692932-17943025	1.2626	1.5634	0.3083	0.390947
Dgki	chr6:36846021-37300184	0.5142	0.8099	0.6555	0.494470
Tnp2	chr16:10787935-10788655	1.0489	2.2547	1.1040	0.290606
Fbxl4	chr4:22357542-22434091	7.1652	5.9679	-0.2638	0.509583
Apoe	chr7:19696108-19699166	2.9037	2.1442	-0.4375	0.399461
mt-Rnr2	chrM:1093-2675	6070.7892	5006.0163	-0.2782	0.467109
Rnf144a	chr12:26306796-26415256	6.4944	5.6931	-0.1900	0.446922
Tmcc3	chr10:94311948-94590956	0.7028	0.5115	-0.4585	0.405274
Zswim6	chr13:107724617-107890064	10.2219	11.8799	0.2169	0.482391
1600020E01Rik	chr6:86526270-86564442	13.2168	11.4076	-0.2124	0.457851
Jagn1	chr6:113442568-113448229	14.2987	16.9403	0.2446	0.251839
Zfp949	chr9:88548019-88571086	9.6044	8.4619	-0.1827	0.473010
Cyb5a	chr18:84851337-84880401	55.5356	63.1158	0.1846	0.488428
Casc4	chr2:121866969-121936220	2.4082	2.9134	0.2747	0.312596
Gon4l	chr3:88835230-88910103	13.6229	12.5231	-0.1214	0.431844
Slc44a1	chr4:53440412-53622478	5.2223	4.7132	-0.1480	0.081038
Scp2	chr4:108043838-108144998	10.0193	11.5367	0.2035	0.336526
Gm12655	chr4:94460930-94477180	3.5077	2.0390	-0.7827	0.419352
Klh20	chr1:161088374-161131511	6.5117	7.3182	0.1685	0.302630
Gm12971	chr4:130758562-130762379	1.7222	3.3003	0.9384	0.306375
Acly	chr11:100476352-100528000	85.0694	79.6136	-0.0956	0.516781
Ptgd2	chr19:10937159-10942511	0.3891	0.7191	0.8859	0.212530
Slc39a13	chr2:91061790-91070417	5.0873	5.9199	0.2187	0.274880
C530005A16Rik	chr4:116589732-116597630	8.5586	10.2720	0.2633	0.443404
Cyth4	chr15:78597046-78622019	105.0043	115.0133	0.1314	0.388161
Ppp4r2	chr6:100833637-100868717	13.9990	12.5423	-0.1585	0.444204
Gpn2	chr4:133584361-133591735	9.7102	11.4970	0.2437	0.123607
Rap1gap	chr4:137664725-137729861	0.2220	0.3520	0.6653	0.273518
Ggt5	chr10:75589380-75616968	0.6552	0.4392	-0.5771	0.229347
Gm10874	chr5:138363718-138388287	0.8043	1.3656	0.7638	0.322269
Gm15497	chr5:138610738-138611289	5.2235	3.3295	-0.6497	0.417026
Hspbp1	chr7:4660520-4684963	21.5259	18.9105	-0.1869	0.441713
Sepw1	chr7:15917207-15922402	63.0300	74.5739	0.2426	0.506186
Aga	chr8:53511701-53523421	15.3368	18.0557	0.2355	0.257187
Gm22620	chr9:15315188-15315321	16.0442	10.3552	-0.6317	0.082177
Tbcel	chr9:42412315-42507809	12.6469	11.3271	-0.1590	0.540454
Ppm1m	chr9:106194171-106199746	21.8787	24.2998	0.1514	0.272118
Ttc38	chr15:85832305-85858822	11.6563	13.0163	0.1592	0.069924
Tbcc	chr17:46890620-46892463	11.4489	13.5741	0.2457	0.397326
Slc25a2	chr18:37637377-37638723	3.1162	2.0533	-0.6018	0.466721
Atp5c1	chr2:10056015-10080510	105.6602	120.1999	0.1860	0.510108
Emc7	chr2:112454996-112472162	9.0072	10.2123	0.1811	0.398349
Prune	chr3:95253673-95282076	5.5002	4.6418	-0.2448	0.459924
Nans	chr4:46489247-46503632	19.7836	21.5966	0.1265	0.011497
Zfp759	chr13:67128227-67141787	4.7799	5.8468	0.2907	0.405802
Ost4	chr5:30905884-30907788	35.8796	41.2298	0.2005	0.424152
Usp4Gos2	chr5:74032268-74039996	1.0278	1.7551	0.7720	0.211460
Gm20605	chr5:137629174-137642899	38.9645	35.9317	-0.1169	0.522982
Rps17	chr7:81342731-81345254	5.1542	6.7729	0.3940	0.327899
Apobec2	chr17:48419230-48432728	6.1572	4.6496	-0.4052	0.457563
Traf5	chr1:191997429-192092559	23.3089	21.0771	-0.1452	0.325146
Gm10762	chr2:128966592-128967725	5.6866	7.5462	0.4082	0.477703
Rabac1	chr7:24969749-24972728	70.6684	79.9982	0.1789	0.419466
Pigc	chr1:161969185-162027106	9.3380	8.2593	-0.1771	0.440549
NA	chr18:36671159-36679366	16.9120	14.9737	-0.1756	0.415478
Zfp120	chr2:150114405-150136708	17.4706	19.5564	0.1627	0.407821
Zfp704	chr3:9427010-9610085	0.5147	0.7141	0.4723	0.550711
Rragd	chr4:32983036-33022180	6.2070	5.4898	-0.1772	0.403410
Cmpk1	chr4:114959335-114987241	16.2041	18.2728	0.1733	0.331637
Snora61	chr4:132310239-132310369	39.1323	53.3161	0.4462	0.506511
Ccdc80	chr16:45093401-45127924	0.4863	1.3048	1.4238	0.188663
Mfsd9	chr1:40772037-40790687	0.4824	0.8232	0.7709	0.381717
Gm13910	chr2:108948779-108950727	0.6064	1.2028	0.9880	0.292681
Phactr4	chr4:132355922-132422489	0.8892	1.3816	0.6357	0.390820
Mrps7	chr11:115603924-115608036	17.9961	20.6673	0.1997	0.347008
Znhit1	chr5:136982163-136988021	8.5441	10.3769	0.2804	0.414079
Ggct	chr6:54982579-54992950	5.6744	4.8207	-0.2352	0.498465
St6galnac6	chr2:32599708-32620806	1.6215	2.0793	0.3588	0.298074
Hspa5	chr2:34771969-34776531	183.4511	198.8790	0.1165	0.334933
Pigv	chr4:133660386-133672647	5.8926	5.0865	-0.2122	0.397684
Cage1	chr13:38006051-38037069	0.6679	0.9631	0.5282	0.332395

Slc2a9	chr5:38349272-38503143	3.3187	3.9416	0.2482	0.324788
Wnt2b	chr3:104944804-104961709	0.7849	0.4985	-0.6550	0.354400
Pinx1	chr14:63860311-63919859	12.0165	10.0834	-0.2530	0.391490
Surf1	chr2:26913382-26916530	32.6558	29.5895	-0.1423	0.358824
Fam206a	chr4:56802344-56809601	4.3160	3.7378	-0.2075	0.396237
Akirin1	chr4:123734558-123750345	16.5558	18.7491	0.1795	0.361688
Mmgt2	chr11:62648663-62666354	4.9889	5.7077	0.1942	0.053784
Dusp14	chr11:84048040-84069261	2.7054	3.6742	0.4416	0.394337
Ssh1	chr5:113937093-113993894	6.8562	7.7779	0.1820	0.413973
Tyrobp	chr7:30413787-30417577	2.1764	3.9241	0.8504	0.240180
Exoc8	chr8:124890299-124897705	12.5359	11.7285	-0.0960	0.022198
Rexo2	chr9:48468513-48480611	60.7222	55.3433	-0.1338	0.401093
Pdha1	chrX:160122208-160138413	50.3861	55.9823	0.1519	0.443394
Polr2k	chr15:36174009-36177010	0.7441	1.5886	1.0942	0.178455
Pdlim2	chr14:70164217-70177681	18.6314	16.8786	-0.1425	0.500447
Zfp36l2	chr17:84183930-84187947	44.8483	41.4413	-0.1140	0.494771
Slc39a6	chr18:24579880-24603817	8.5944	9.8931	0.2030	0.356391
Gpcpd1	chr2:132529081-132587729	17.4699	19.3995	0.1511	0.398897
Zswim3	chr2:164805097-164822130	2.9108	3.7786	0.3764	0.380977
NA	chr9:7836686-7837064	3.2181	5.8735	0.8680	0.257363
Filip1	chr9:79815050-79977804	0.1980	0.3745	0.9192	0.270324
1700030A11Rik	chr17:28905264-28906771	1.3384	0.6329	-1.0806	0.435273
A230050P2ORik	chr9:20868641-20874307	18.9414	16.8567	-0.1682	0.551103
Gramd1c	chr16:43980349-44027945	3.8364	4.5928	0.2596	0.202481
Acp2	chr2:91202884-91214098	13.6624	12.5549	-0.1220	0.316619
Rpl34	chr3:130726830-130730398	133.0061	172.8548	0.3781	0.403848
1110028F11Rik	chr11:87701395-87705331	1.6169	0.6994	-1.2090	0.504568
Impa2	chr18:67289252-67319146	15.5177	13.2407	-0.2289	0.481816
Dus1l	chr11:120789200-120796403	20.5732	19.0524	-0.1108	0.246026
Sec11a	chr7:80904888-80947780	18.0380	19.9862	0.1480	0.276825
Mrpl15	chr1:4773205-4785739	12.5526	11.4088	-0.1378	0.476216
Cep57l1	chr10:41718839-41809607	12.1443	10.4993	-0.2100	0.465840
Ppp1r12a	chr10:108162399-108277575	126.0736	136.3261	0.1128	0.254503
Gm16229	chr10:127663838-127665484	24.9223	22.1826	-0.1680	0.290933
Aebp1	chr11:5861946-5872088	0.4358	0.2265	-0.9442	0.263937
Sco1	chr11:67052669-67067070	5.8944	6.8842	0.2239	0.329688
Cyb5d2	chr11:72777231-72796142	1.9623	2.3767	0.2764	0.083668
Scpep1	chr11:88924019-88955465	4.9399	5.9553	0.2697	0.072937
Vcpkmt	chr12:69577627-69583028	17.4828	14.8885	-0.2317	0.413390
Cinp	chr12:110872609-110889145	13.9650	12.2134	-0.1934	0.433245
Spin1	chr13:51100879-51152546	16.2429	18.0698	0.1538	0.319896
Syk	chr13:52583172-52648792	0.5057	0.3471	-0.5429	0.428751
Rab24	chr13:55319222-55321980	31.6099	28.8781	-0.1304	0.367961
Fcho2	chr13:98723406-98815449	9.2513	8.0738	-0.1964	0.574045
Hadhb	chr5:30155247-30184593	4.6098	5.2097	0.1765	0.048369
Ccni	chr5:93181932-93206495	31.1133	34.2693	0.1394	0.278670
Rita1	chr5:120594304-120612589	1.0229	1.4642	0.5174	0.443361
Atp5j2	chr5:145183697-145192062	28.4384	33.4249	0.2331	0.479920
Gimap5	chr6:48746196-48754210	47.9914	52.2277	0.1220	0.088222
Tappbl	chr6:125223932-125231860	36.0364	39.7315	0.1408	0.233734
Rhno1	chr6:128356999-128362911	17.0832	15.4046	-0.1492	0.352488
Pkp3	chr7:141078217-141090510	32.2860	37.0624	0.1990	0.589482
Pde4c	chr8:70723719-70751186	0.6040	0.4128	-0.5491	0.374854
Hmgxb4	chr8:74993355-75031978	9.9662	11.0894	0.1541	0.151861
Taf1c	chr8:119597974-119605222	13.5241	12.0061	-0.1718	0.514807
Psm4	chr9:54950789-54958030	38.1599	43.2188	0.1796	0.491001
Tmed3	chr9:89699202-89705043	20.2524	23.7084	0.2273	0.367263
Alas1	chr9:106233454-106248126	8.8281	7.8982	-0.1606	0.379200
Gmppb	chr9:108049268-108052801	16.7106	19.0863	0.1918	0.418371
Deb1	chr9:121710388-121712921	10.6462	14.6154	0.4572	0.418864
Tmem42	chr9:123021325-123023490	11.9547	14.7633	0.3044	0.419704
Xlr4a	chrX:73074344-73082478	15.8078	18.5010	0.2270	0.400098
Jpx	chrX:103493557-103506425	0.7845	1.1350	0.5328	0.441398
A830080D01Rik	chrX:159526687-159593081	15.1231	13.7233	-0.1401	0.429334
Drosha	chr15:12824814-12935290	8.1347	7.3563	-0.1451	0.319391
1700088E04Rik	chr15:79134654-79141251	10.6355	8.6025	-0.3061	0.367416
Tube1	chr15:89098356-89123087	16.1111	14.8434	-0.1182	0.498396
Rps24	chr14:24490680-24496146	424.9259	524.1590	0.3028	0.409454
Tm9sf2	chr14:122107037-122159604	61.7134	67.9463	0.1388	0.372866
1600012H06Rik	chr17:14943183-14959570	19.2467	17.5556	-0.1327	0.383354
Zfp213	chr17:23556768-23564226	9.8958	8.6406	-0.1957	0.409520

Agpat1	chr17:34604261-34613449	18.4635	16.7235	-0.1428	0.429508
Plin4	chr17:56100590-56109802	0.2034	0.3202	0.6548	0.042314
Memo1	chr17:74200705-74294883	24.2427	21.4810	-0.1745	0.471226
Eml4	chr17:83350930-83480361	39.2171	43.3905	0.1459	0.456141
Setd4	chr16:93583456-93604063	4.0312	3.4732	-0.2150	0.343562
Pcx	chr19:4510471-4621752	1.2617	0.9574	-0.3982	0.293802
Flrt1	chr19:7092013-7105729	0.2351	0.1114	-1.0772	0.450933
Bard1	chr1:71027497-71103146	3.5556	4.1555	0.2249	0.269739
Gm17415	chr1:93421681-93422488	1.7166	0.8386	-1.0334	0.335630
Glrx2	chr1:143739028-143749676	4.5156	5.3018	0.2316	0.356065
Rnf2	chr1:151469405-151500823	30.4603	33.7443	0.1477	0.308083
Gm22357	chr1:161036056-161036139	477.6018	419.4701	-0.1872	0.513256
Cndp2	chr18:84667469-84685633	30.4799	27.4725	-0.1499	0.486439
Sdccag3	chr2:26382801-26389316	39.3757	36.5677	-0.1067	0.472031
Gins1	chr2:150905399-150931280	6.9651	8.5043	0.2881	0.238359
Trim46	chr3:89234176-89246309	1.2049	1.5902	0.4003	0.229312
Shc1	chr3:89418442-89430015	9.5802	10.7428	0.1652	0.289318
Pi4kb	chr3:94974730-95006843	30.8913	28.5126	-0.1156	0.499003
Gm12500	chr3:108085975-108088009	1.2697	0.8188	-0.6329	0.306705
Anp32b	chr4:46450901-46472657	10.7213	9.0299	-0.2477	0.492153
Meaf6	chr4:125085133-125113238	7.9827	7.1425	-0.1604	0.420024
Laptm5	chr4:130913124-130936141	166.4964	154.7454	-0.1056	0.582220
Gm17083	chr13:34006965-34008331	2.1746	3.5475	0.7061	0.253324
Gm10311	chr8:69373527-69373914	3.9043	1.9826	-0.9777	0.395838
Apol7c	chr15:77524866-77533315	0.5631	1.8110	1.6852	0.232102
Zfp947	chr17:22144358-22166190	0.5428	1.7305	1.6726	0.114578
Prrt1	chr17:34629532-34633126	0.6138	1.1109	0.8558	0.313044
Gm24371	chr4:32514786-32515053	9.8785	5.0541	-0.9668	0.511342
Srd5a1	chr13:69573448-69611442	0.2271	0.5052	1.1538	0.231210
Nek11	chr9:105162466-105395524	0.1002	0.2573	1.3606	0.266994
Lmo7	chr14:101729956-101934710	0.0270	0.0744	1.4642	0.338742
Gm1647	chr3:69131232-69157177	2.3403	1.1557	-1.0180	0.544482
Gm22392	chr15:44432594-44432701	2.3562	7.4108	1.6532	0.343315
Rbbp8	chr18:11633275-11743207	12.6416	14.2460	0.1724	0.356587
Shhg9	chr17:24719530-24719965	2.2493	5.1739	1.2018	0.207549
Cc2d2a	chr5:43662378-43740972	1.2097	1.5928	0.3968	0.559576
Adat2	chr10:13552893-13563376	5.0013	3.8271	-0.3861	0.318151
Hspa2	chr12:76404175-76406934	2.6317	2.0016	-0.3949	0.399891
Plbd2	chr5:120483281-120503625	4.1219	3.5194	-0.2280	0.527630
Nrf1	chr6:30047987-30153458	11.1816	10.3625	-0.1098	0.426449
Mphosph8	chr14:56668247-56697430	18.2544	16.4904	-0.1466	0.496568
Cables2	chr2:180258539-180273496	11.7626	10.7516	-0.1297	0.302694
Ptpn3	chr4:57190840-57301837	2.0970	1.7676	-0.2465	0.344032
Sh3d19	chr3:85971108-86130526	0.8947	1.1228	0.3276	0.279458
Nsa2	chr13:97129426-97137926	13.2222	16.1908	0.2922	0.549272
Psmg4	chr13:34162963-34178172	22.3672	28.6193	0.3556	0.478092
Xpr1	chr1:155275700-155417415	6.6102	7.2955	0.1423	0.267049
Fam71e1	chr7:44496587-44501134	1.8622	0.9505	-0.9702	0.402096
Gm9159	chrX:103597770-103598336	2.0035	0.9380	-1.0948	0.424239
Ccdc71l	chr12:32378788-32382943	10.1558	11.3963	0.1663	0.201605
Gm9144	chr12:7859826-7861205	0.3544	0.8357	1.2376	0.235052
Gm13528	chr2:33177901-33181881	2.2065	0.8567	-1.3649	0.271118
Cradd	chr10:95174745-95324097	2.6565	3.8098	0.5202	0.352067
Tbc1d9b	chr11:50131395-50172785	15.3621	16.9134	0.1388	0.270467
Irgm2	chr11:58199617-58222779	36.4510	39.8855	0.1299	0.270030
Ctns	chr11:73183595-73199042	4.4988	3.8847	-0.2117	0.086758
Vat1	chr11:101458744-101466230	4.5109	5.3860	0.2558	0.202655
Arsg	chr11:109473373-109573330	2.6138	2.0635	-0.3410	0.442226
Cyth1	chr11:118132018-118248592	83.4937	79.2277	-0.0757	0.311712
Cbx4	chr11:119077572-119086221	15.5117	14.2792	-0.1194	0.430017
Unc5a	chr13:54949410-55006018	0.2862	0.4961	0.7936	0.361898
Krtcap3	chr5:31251690-31253202	9.0679	11.5535	0.3495	0.515514
Nup98	chr7:102134203-102210120	35.3350	33.1850	-0.0906	0.274365
Spon1	chr7:113765997-114043370	0.8099	0.6072	-0.4157	0.430302
Leprotil1	chr8:34135571-34147033	66.9933	73.2899	0.1296	0.364654
Pus7l	chr15:94522687-94543547	8.0141	6.7056	-0.2572	0.560723
Traj1	chr14:54218813-54218840	15.8596	36.9461	1.2201	0.314550
Trim26	chr17:36837133-36859398	14.3424	13.4016	-0.0979	0.214450
Med20	chr17:47611581-47624418	12.3440	11.4909	-0.1033	0.236333
Tmem194b	chr1:52630704-52651919	18.0826	20.6629	0.1924	0.471480
Sqrdl	chr2:122765236-122809569	1.8955	2.3588	0.3155	0.237581

Arfp1	chr3:84496092-85887516	16.9393	18.9055	0.1584	0.293000
Jak1	chr4:101152366-101265282	117.2304	111.8817	-0.0674	0.299965
Gm16167	chr8:85853372-85854437	0.9204	0.4081	-1.1734	0.298743
Gm12335	chr11:75066435-75066762	3.9452	1.4702	-1.4241	0.479951
Tmsb10	chr6:72957346-72958748	36.1133	31.2320	-0.2095	0.567658
Gm26982	chr6:113714970-113716121	12.7418	10.5316	-0.2748	0.361292
Gm7901	chr8:75711461-75713288	0.4995	0.1946	-1.3599	0.421618
Fem1b	chr9:62791831-62811648	22.5111	20.9190	-0.1058	0.454100
Gm17218	chr17:26620357-26625100	3.4971	1.7415	-1.0058	0.314541
Rps18	chr17:33951998-33956001	28.2652	33.0940	0.2275	0.562584
Usp40	chr1:87945120-88008551	9.2396	10.4274	0.1745	0.310912
Trav19	chr14:53845233-53845826	3.9183	6.8091	0.7972	0.334601
Ppa1	chr10:61648551-61674168	29.9042	27.2129	-0.1361	0.520403
Ccdc53	chr10:88201092-88246158	10.3948	9.4009	-0.1450	0.365229
Pdlim4	chr11:54054927-54069014	0.7776	0.4415	-0.8167	0.467080
Klf6	chr13:5861488-5870393	50.5966	54.8361	0.1161	0.214721
Mpp6	chr6:50110240-50198598	16.1518	14.4217	-0.1635	0.487360
Nosip	chr7:45062428-45078503	14.6542	16.4771	0.1691	0.271995
Scaper	chr9:55549882-55919605	17.3402	15.8765	-0.1272	0.458497
Vbp1	chrX:75514298-75534942	32.0670	36.2304	0.1761	0.440645
Etf1	chr18:34902784-34932007	81.1523	75.7634	-0.0991	0.521193
Slc23a1	chr18:35614603-35627244	1.0408	1.4924	0.5200	0.449183
Lrig2	chr3:104453983-104511856	7.3547	8.2049	0.1578	0.222968
Gm16433	chr6:108563444-108565693	1.0774	0.6282	-0.7783	0.463910
Jund	chr8:70697738-70700616	86.4704	98.6179	0.1896	0.600434
Mrps16	chr14:20391230-20393555	46.4806	54.2420	0.2228	0.344754
Nubp1	chr16:10411947-10424428	21.0581	19.2078	-0.1327	0.487840
Gm9892	chr8:52195779-52197160	0.9927	1.6040	0.6922	0.385134
Smyd3	chr1:178951959-179518041	3.4932	3.0997	-0.1724	0.346284
Tube1	chr10:39134022-39151058	2.0140	2.5832	0.3591	0.239263
Bcr	chr10:75060895-75184923	6.9914	6.1695	-0.1804	0.523435
Lppr3	chr10:79860474-79874634	6.9845	7.9868	0.1935	0.327927
Matk	chr10:81252934-81263365	22.0948	25.4855	0.2060	0.563113
Avil	chr10:127000708-127020994	0.8489	0.5580	-0.6054	0.400986
Gm26542	chr11:50237008-50288839	3.7759	2.6053	-0.5354	0.474439
Mnt	chr11:74830919-74845725	3.8531	3.2343	-0.2526	0.434160
Nek8	chr11:78166105-78176675	2.7344	3.3331	0.2856	0.474371
Atp6v0a1	chr11:101009451-101063719	2.1098	1.7355	-0.2817	0.430885
Cntnap1	chr11:101170522-101190724	0.3916	0.2630	-0.5744	0.186075
Atp5h	chr11:115415688-115419962	42.8588	47.9738	0.1627	0.334511
Akr1c13	chr13:4191183-4205596	7.7983	9.3888	0.2678	0.235070
Ankra2	chr13:98263157-98274750	10.1472	11.7773	0.2149	0.385693
Pex1	chr5:3596065-3637232	3.6276	3.1771	-0.1913	0.443407
Klh7	chr5:24100589-24161223	3.1418	3.8899	0.3081	0.356043
Kcnh2	chr5:24319588-24351604	1.8328	1.5022	-0.2869	0.257127
Nup54	chr5:92415539-92435219	16.4579	14.8643	-0.1469	0.432288
P2rx4	chr5:122707583-122729738	7.1683	8.3631	0.2224	0.339101
AI480526	chr5:123133722-123141666	9.6980	8.4828	-0.1931	0.590608
Diablo	chr5:123509764-123524176	12.6267	13.9751	0.1464	0.288292
Snx8	chr5:140340303-140389251	0.7445	1.2417	0.7380	0.224608
Amz1	chr5:140724126-140761439	0.9397	1.2699	0.4344	0.409401
Ccdc132	chr6:3498392-3603531	8.7005	7.8545	-0.1476	0.404414
Kcmf1	chr6:72841113-72899979	19.4635	21.5096	0.1442	0.160089
Usp5	chr6:124815018-124829484	32.4422	30.3200	-0.0976	0.437883
Klrb1c	chr6:128778484-128789215	3.0315	3.8622	0.3494	0.383357
Magohb	chr6:131284387-131293244	4.3883	5.5199	0.3310	0.344442
Mansc4	chr6:147075059-147087032	0.8323	0.4127	-1.0119	0.113326
Fam60a	chr6:148921034-148946467	1.7722	1.3326	-0.4113	0.507690
Zfp619	chr7:39517765-39540420	3.0130	2.5608	-0.2346	0.383417
Zfp141	chr7:42473385-42505726	11.2658	12.6941	0.1722	0.394262
Cyth2	chr7:45806636-45814581	15.8818	17.5922	0.1476	0.159717
Tmem126b	chr7:90468193-90476001	5.8154	6.6791	0.1998	0.144627
Copb1	chr7:114215558-114254680	56.9052	62.0049	0.1238	0.308093
Itgal	chr7:127296259-127335137	60.9357	56.2288	-0.1160	0.623959
Gm22204	chr8:3615528-3615855	5.2595	8.0106	0.6070	0.399259
Mrps31	chr8:22411339-22429665	12.8294	15.5050	0.2733	0.426100
Nr2c2ap	chr8:70131332-70133739	19.5314	16.6092	-0.2338	0.516432
Zswim4	chr8:84210941-84237042	7.8426	9.0847	0.2121	0.466439
Cpne2	chr8:94532989-94570529	0.8425	0.5469	-0.6233	0.356760
Cmtm3	chr8:104340593-104347672	5.6057	6.9921	0.3188	0.386197
Ccsap	chr8:123840830-123860209	6.5330	5.5268	-0.2413	0.454559

Aplp2	chr9:31149556-31211815	28.1971	31.1078	0.1417	0.364412
Ccdc15	chr9:37275834-37348392	3.0290	3.7080	0.2918	0.322844
Amica1	chr9:45079182-45108530	3.5592	2.8569	-0.3171	0.359439
1110032A03Rik	chr9:50762827-50775520	2.8807	3.4857	0.2750	0.396139
Syncrip	chr9:88449728-88482574	38.1620	35.4694	-0.1056	0.543401
Pik3cb	chr9:99038401-99140621	1.2959	1.7085	0.3988	0.322824
Pcbp4	chr9:106453837-106464007	7.1045	8.4758	0.2546	0.317935
Rassf1	chr9:107551554-107562263	12.8824	14.2699	0.1476	0.262237
Rnf123	chr9:108051533-108083346	22.8733	21.1672	-0.1118	0.514075
Arih2	chr9:108602941-108649380	19.1139	21.1389	0.1453	0.291594
Trex1	chr9:109057932-109060338	38.6012	44.3436	0.2001	0.487994
Kis2	chrX:52742562-52744960	2.1144	1.5962	-0.4056	0.203477
Cx1a	chrX:53642487-53643763	1.4396	0.8134	-0.8237	0.350111
A430057M04Rik	chr14:21847577-21856926	1.6062	1.2859	-0.3209	0.314613
Traj16	chr14:54203133-54203194	70.7039	51.5761	-0.4551	0.382743
Atp8a2	chr14:59647530-60197179	0.5227	0.7404	0.5022	0.445589
Cd2ap	chr17:42792950-42876424	17.6990	16.0685	-0.1394	0.561279
Lmln	chr16:33062520-33127695	0.6211	0.8546	0.4603	0.424742
Vps37c	chr19:10688814-10714419	6.3364	5.3125	-0.2543	0.391933
Gm26457	chr1:63178676-63178754	36.1955	22.7912	-0.6673	0.405198
Arcp2	chr1:74236496-74268209	208.0650	224.3082	0.1084	0.248738
Nckap5	chr1:125913619-126830799	0.1687	0.2540	0.5906	0.340536
Snord47	chr1:161038081-161038158	91.2845	61.2879	-0.5748	0.541638
Gm25789	chr1:161038307-161038383	49.1120	68.8300	0.4870	0.371981
Ncstn	chr1:172066012-172082795	15.6085	13.9473	-0.1623	0.583648
Map3k8	chr18:4331326-4353015	13.3542	12.0987	-0.1424	0.423614
Mir1893	chr18:6490563-6490646	45.4049	63.0064	0.4727	0.431166
2410004N09Rik	chr18:33794891-33795986	22.3618	27.3940	0.2928	0.239516
Zmynd19	chr2:24949791-24962075	7.4831	6.5472	-0.1928	0.487729
Anapc2	chr2:25272477-25285915	14.8891	13.5406	-0.1370	0.372275
Slc2a6	chr2:27021362-27027998	1.4117	1.8671	0.4034	0.296761
Gm16534	chr2:32050085-32064911	7.6412	6.5201	-0.2289	0.140565
Ccdc148	chr2:58821696-59160683	0.3724	0.2232	-0.7387	0.387366
Gm13571	chr2:60338187-60371234	5.7248	4.5555	-0.3296	0.619610
Timm10	chr2:84826996-84830213	12.7619	16.2524	0.3488	0.444498
Mapk8ip1	chr2:92383675-92401263	1.3042	1.6932	0.3766	0.374645
Serinc4	chr2:121439058-121456781	13.0259	11.6411	-0.1622	0.509106
Shf	chr2:122348891-122369162	3.0792	2.2989	-0.4216	0.413057
Slc28a2	chr2:122426476-122461137	46.0082	43.1276	-0.0933	0.462637
Spef1	chr2:131170260-131187282	2.3117	2.9488	0.3511	0.314208
Tspyl3	chr2:153222379-153225441	7.5764	6.5989	-0.1993	0.355650
Spata25	chr2:164826388-164828537	0.4198	0.9140	1.1227	0.350185
Dcl2	chr3:86786149-86920884	4.1946	5.1248	0.2890	0.505560
Lmna	chr3:88481147-88509956	2.6367	3.3019	0.3246	0.473940
Ppp3ca	chr3:136670123-136937727	15.2574	14.0058	-0.1235	0.430479
Ubxn2b	chr4:6191097-6221688	5.6738	6.3501	0.1625	0.052305
Gm11831	chr4:11501455-11502839	3.5951	2.3496	-0.6136	0.293547
Prpf4	chr4:62408796-62426990	12.4598	11.5159	-0.1137	0.317931
Atp6v1g1	chr4:63544771-63550750	13.8147	17.5426	0.3447	0.506463
Cntln	chr4:84884308-85131921	4.8083	5.6219	0.2255	0.463004
Atg4c	chr4:99193933-99259787	0.3010	0.1066	-1.4972	0.484358
Ccdc23	chr4:119195305-119201298	11.7241	14.5603	0.3126	0.436339
Sh3d21	chr4:126150601-126163491	1.2854	1.7787	0.4686	0.401818
Gm12942	chr4:127123690-127129644	9.0898	7.8545	-0.2107	0.244240
Otud3	chr4:138895378-138913945	6.2032	7.5404	0.2816	0.297219
Miip	chr4:147860777-147868816	19.3589	21.3807	0.1433	0.213650
Lzic	chr4:149485228-149496668	13.2988	11.4787	-0.2123	0.485372
AW011738	chr4:156203303-156205151	20.6347	18.0428	-0.1936	0.562651
Rpsa-ps4	chr11:33038815-33039703	0.5459	1.0402	0.9301	0.138311
Gm12207	chr11:52233723-52236619	3.5476	1.8771	-0.9184	0.477479
Efcab5	chr11:77089914-77188968	0.1926	0.4028	1.0646	0.452470
Map10	chr8:125669817-125673365	0.5804	0.9244	0.6716	0.302679
Lrrc6	chr15:66379857-66500910	0.6679	0.3088	-1.1127	0.291980
Gm16151	chr1:38307901-38311930	7.4340	4.7282	-0.6528	0.614651
Wdr34	chr2:30031545-30048881	0.6671	1.1844	0.8282	0.336177
8030451A03Rik	chr4:63979853-64149924	0.2701	0.5633	1.0605	0.337536
Rps19-ps3	chr4:147821776-147822202	1.8184	3.7602	1.0482	0.324403
Gm23111	chr17:33959662-33959767	11.7674	4.8784	-1.2703	0.504872
Rnd2	chr11:101464998-101471853	0.2502	0.5101	1.0274	0.106111
Rev1	chr1:38052786-38129662	11.2432	10.0690	-0.1591	0.450993
Wdr7	chr18:63708694-63989760	10.4687	9.5313	-0.1353	0.507705

C230052i12Rik	chr7:35392274-35396817	8.2738	9.9024	0.2592	0.318239
Cited2	chr10:17723227-17725673	5.1941	6.4491	0.3122	0.428645
Dna2	chr10:62947025-62974185	2.6435	3.1964	0.2740	0.420670
P4hb	chr11:120560297-120573253	106.6372	115.2428	0.1120	0.286764
Exoc2	chr13:30813918-30974047	37.7777	41.2105	0.1255	0.298658
Atp6v0a2	chr5:124629066-124722144	30.5581	28.4697	-0.1021	0.318627
Sprtn	chr8:124897885-124903813	17.7892	15.9266	-0.1596	0.411624
4930429F24Rik	chr9:79793640-79803235	1.3715	0.7864	-0.8025	0.162362
Magee1	chrX:105120395-105123909	3.2438	3.9293	0.2766	0.358820
Dlg1	chr16:31663442-31873356	17.3839	15.9236	-0.1266	0.575859
Rnf149	chr1:39551295-39577405	16.7612	18.9175	0.1746	0.358248
Gm21972	chr1:86133636-86162788	30.7984	25.7421	-0.2587	0.536794
Fem1c	chr18:46501745-46525971	11.2541	10.3178	-0.1253	0.434997
Atp9b	chr18:80734142-80934058	42.7286	40.4450	-0.0792	0.334883
Tbc1d20	chr2:152293827-152313996	19.2048	21.1233	0.1374	0.244513
Fam84a	chr12:14147598-14152038	0.1138	0.2928	1.3628	0.295099
Cpsf3	chr12:21286296-21315056	62.4350	58.5138	-0.0936	0.409639
Msantd1	chr5:34915914-34923839	0.9532	0.5794	-0.7181	0.555736
Tufm	chr7:126487354-126490730	4.9191	3.8826	-0.3414	0.413533
4930562F07Rik	chr1:160074734-160077985	38.6785	43.6062	0.1730	0.157334
Gm12786	chr4:107017934-107022499	2.5157	1.5133	-0.7333	0.276754
Pfn2	chr3:57841894-57847564	2.3867	2.9960	0.3281	0.291191
Adck4	chr7:27233022-27262252	7.2853	6.4033	-0.1862	0.348167
Gm16577	chr10:11212279-11212979	5.6011	3.7961	-0.5612	0.250658
Foxo3	chr10:42181840-42276755	17.4159	16.1384	-0.1099	0.505969
Egr2	chr10:67535474-67542188	24.3344	27.1428	0.1576	0.441888
Glipr1	chr10:111985447-112002631	79.5185	86.3510	0.1189	0.168285
Trim41	chr11:48806403-48817353	15.2695	14.0526	-0.1198	0.211318
Kat7	chr11:95274258-95310246	24.2147	26.2809	0.1181	0.170503
Npepps	chr11:97205841-97280638	7.5134	6.8987	-0.1232	0.314251
Cnp	chr11:100574903-100591729	51.2115	55.3499	0.1121	0.163799
Gm27029	chr11:101406691-101424796	12.0217	13.7941	0.1984	0.277599
Rnf157	chr11:116336352-116413032	2.2426	1.8755	-0.2578	0.522569
Tha1	chr11:117867951-117873481	7.9045	6.8961	-0.1969	0.408964
1110057K04Rik	chr12:8208106-8285758	19.5983	21.8095	0.1542	0.249563
Nbas	chr12:13269126-13583810	12.8843	14.2870	0.1491	0.388137
Zfp36l1	chr12:80107759-80113013	37.9668	41.6614	0.1340	0.320293
D930007J09Rik	chr13:32802456-32802849	17.2106	22.4348	0.3824	0.465125
2610204G07Rik	chr13:104684930-104694994	14.7705	11.7497	-0.3301	0.566797
Arl15	chr13:113794504-114157461	4.9031	6.0028	0.2919	0.445354
Pisd	chr5:32736300-32785646	22.3646	24.5903	0.1369	0.247499
2410131K14Rik	chr5:118245226-118266093	4.5536	4.0654	-0.1636	0.123086
B3glct	chr5:149678229-149762599	2.7806	2.2610	-0.2984	0.480589
Gabrarpl1	chr6:129533199-129542331	9.7130	11.8686	0.2892	0.515244
Myadm	chr7:3289037-3299345	1.7500	2.3218	0.4079	0.411719
Prpf31	chr7:3629984-3642486	23.9828	22.3695	-0.1005	0.431461
Rps16	chr7:28350651-28352696	2.9543	1.9430	-0.6045	0.415166
Spint2	chr7:29256330-29281977	24.9904	28.7599	0.2027	0.461642
Josd2	chr7:44467979-44471652	18.2354	16.3632	-0.1563	0.462561
Mtmr10	chr7:64287652-64340407	2.4946	2.1626	-0.2060	0.308373
Kars	chr8:111993439-112011323	92.8812	87.5279	-0.0856	0.440117
Bcl9l	chr9:44499135-44510388	3.7321	3.1887	-0.2270	0.450750
Fbxo9	chr9:78081498-78109065	11.3846	12.9595	0.1869	0.342733
Dnajc13	chr9:104151596-104262930	27.1243	25.5890	-0.0841	0.365326
Atp6ap1	chrX:74297096-74304721	41.5330	39.1766	-0.0843	0.104757
Pja1	chrX:99465733-99471273	17.8434	16.0058	-0.1568	0.546292
Fbxo32	chr15:58175878-58214892	4.9613	5.8732	0.2434	0.474988
Gm20712	chr15:58780460-58781951	2.4475	1.6551	-0.5644	0.535538
Rnf139	chr15:58889228-58902390	28.8895	31.7877	0.1379	0.371578
4930431P03Rik	chr14:44955216-44961307	7.8060	6.9663	-0.1642	0.389331
Gm15629	chr14:75197072-75199271	45.8026	37.8730	-0.2743	0.581669
Gpr183	chr14:121952330-121965193	45.5960	49.6571	0.1231	0.249903
Rps2-ps9	chr17:27784426-27785243	0.9623	1.6597	0.7863	0.165712
H2-Q4	chr17:35379616-35385290	103.6013	114.2018	0.1405	0.476078
Abcc1	chr16:14361557-14475737	9.3133	10.2640	0.1402	0.406834
Gm20319	chr16:26714445-26755502	2.8685	2.1105	-0.4427	0.000515
C330027C09Rik	chr16:48994184-49019709	6.7878	7.5766	0.1586	0.094244
lft57	chr16:49699232-49765126	2.1336	2.6792	0.3285	0.173185
Zfp654	chr16:64780350-64786321	14.8500	16.8411	0.1815	0.486420
Dak	chr19:10592199-10604258	3.3156	4.2383	0.3542	0.412858
Il1rl2	chr1:40324626-40365471	0.9284	1.3840	0.5760	0.214729

Cd84	chr1:17183966-171890718	33.8432	37.3242	0.1412	0.466626
Brox	chr1:183276341-183297256	11.9103	13.5493	0.1860	0.361769
Prrc1	chr18:57354732-57392719	2.6480	3.3413	0.3355	0.396229
Ppargc1b	chr18:61298135-61400431	2.5065	2.0476	-0.2917	0.382988
Cdnf	chr2:3513029-3526376	0.6710	1.1467	0.7732	0.388803
A13000612Rik	chr2:22895320-22895736	3.3202	2.0075	-0.7259	0.025685
Dph7	chr2:24962399-24972163	9.5286	11.2752	0.2428	0.381469
Fam129b	chr2:32876113-32925254	2.1398	2.6163	0.2900	0.321032
Gm13938	chr2:76722775-76786708	24.5198	31.5245	0.3625	0.512549
Alkbh3	chr2:93980549-94010807	9.8088	11.2283	0.1950	0.298758
B4galt5	chr2:167298443-167349183	13.7133	12.0848	-0.1824	0.599768
Cstf1	chr2:172370680-172382448	20.1304	18.4842	-0.1231	0.430031
Flad1	chr3:89401003-89411870	14.2437	12.9759	-0.1345	0.475982
Gm15471	chr3:103803128-103808439	3.0363	2.0722	-0.5511	0.486086
Ndufb6	chr4:40270590-40279421	26.4561	32.1175	0.2798	0.466544
Inip	chr4:59769636-59801589	11.7850	10.8454	-0.1199	0.381796
Tmem261	chr4:75277353-75278305	18.9107	24.0891	0.3492	0.525613
Mllt3	chr4:87769924-88033364	19.9278	18.7387	-0.0888	0.440533
Ptplad2	chr4:88396143-88438928	1.2247	1.0022	-0.2893	0.209311
Nrd1	chr4:109000654-109061777	23.2020	21.8209	-0.0885	0.327671
Yrdc	chr4:124850678-124855242	21.2090	19.3796	-0.1301	0.166792
Smim12	chr4:127243783-127247809	16.6567	20.3057	0.2858	0.425682
Prkcz	chr4:155260128-155361361	1.0324	1.3191	0.3535	0.355995
Trav21-dv12	chr14:53875983-53876751	5.4989	9.4627	0.7831	0.419199
n-R5s29	chr17:78858933-78859052	14.0707	7.4132	-0.9245	0.439980
Gm4540	chr3:106034661-106035056	2.7851	1.0936	-1.3486	0.281263
Zglp1	chr9:21062392-21067093	1.1133	0.5304	-0.1697	0.468650
Gm10080	chr9:44374594-44375209	1.6039	0.6369	-1.3324	0.468735
Rap1b	chr10:117814470-117845935	172.0240	187.4729	0.1241	0.422269
Tespa1	chr10:130322851-130362642	52.8696	58.1786	0.1380	0.295117
Ppfi1	chr7:144476757-144553729	13.1011	12.3373	-0.0867	0.269628
Hprt	chrX:52988136-53021659	69.6505	78.7437	0.1770	0.518271
Cryz	chr3:154597196-154623182	0.8175	1.3503	0.7239	0.278778
Gm2044	chr7:139957004-139958039	1.8696	3.2104	0.7800	0.395210
Plk-ps1	chr5:35554183-35555971	2.2891	1.5247	-0.5862	0.452283
Ano10	chr9:122175878-122294374	11.5333	13.0535	0.1786	0.177641
Gm15008	chrX:36910833-36911985	2.7348	1.2164	-1.1688	0.412969
Slc29a1	chr17:45585199-45599606	29.0861	27.1903	-0.0972	0.417755
Bag1	chr4:40936397-40948281	72.1790	81.3716	0.1729	0.493738
Tprn	chr2:25262617-25269885	3.9166	4.7643	0.2827	0.362004
Nup43	chr10:7667502-7678881	8.1222	9.8744	0.2818	0.522825
Rps29	chr12:69157721-69159186	4.4092	5.9635	0.4356	0.177641
3830406C13Rik	chr14:12284208-12303231	13.4946	15.4283	0.1932	0.348564
Tcp1	chr17:12915700-12925067	82.1640	75.2121	-0.1275	0.638170
Dab2ip	chr2:35558265-35730994	0.8121	1.0580	0.3817	0.428841
Tk2	chr8:104226690-104248558	31.3896	34.6685	0.1433	0.276886
Ccdc74a	chr16:17646469-17650738	0.9826	1.3923	0.5028	0.194432
Ect2l	chr10:18129021-18210890	1.3006	0.9475	-0.4569	0.357229
Samd3	chr10:26229706-26272172	0.9763	1.3778	0.4969	0.452174
Jade2	chr11:51813454-51857653	13.0109	14.3132	0.1376	0.418362
Snord4a	chr11:78181685-78181756	13.3543	23.9890	0.8451	0.495659
Ndufs6	chr13:73319837-73328542	23.9497	28.4029	0.2460	0.447182
Fbxw8	chr5:118064980-118155458	11.0543	12.4752	0.1745	0.439218
Slc8b1	chr5:120511167-120534024	3.8056	4.5779	0.2666	0.349690
Ddx55	chr5:124552863-124569660	8.0836	9.1936	0.1856	0.430019
Trbj1-7	chr6:41535641-41535686	100.0210	136.7705	0.4515	0.364598
Slc37a2	chr9:37229148-37255738	3.3105	3.9591	0.2581	0.455235
Zfp219	chr14:52006076-52020733	8.2243	9.3925	0.1916	0.270224
Tox4	chr14:52279145-52296391	24.4513	26.3583	0.1083	0.097664
Trav6-1	chr14:52638514-52638962	2.0325	4.0553	0.9965	0.338271
D630044L22Rik	chr17:25951471-25963610	1.9359	1.4725	-0.3948	0.471971
Actr3	chr1:125392904-125435727	147.2259	159.0329	0.1113	0.336718
Gm26642	chr1:135248560-135266443	6.4176	7.4006	0.2056	0.061491
Tmem79	chr3:88328654-88334504	1.4537	0.9950	-0.5470	0.559698
Il15	chr8:82331636-82403222	0.5076	0.2430	-1.0624	0.329231
Rgag4	chrX:102066543-102071304	0.4070	0.7034	0.7892	0.395175
Gm18588	chr3:68902266-68902758	1.7676	3.1092	0.8147	0.200526
NA	chr4:119733795-119736768	0.6341	1.0634	0.7458	0.333021
P2rx7	chr5:122643910-122691432	32.6059	30.1048	-0.1151	0.577915
B3gnt4	chr5:123510459-123511882	3.2123	2.4191	-0.4091	0.326211
1810058124Rik	chr6:35252653-35263496	4.7462	5.6378	0.2484	0.282794

Lpar5	chr6:125067919-125082472	3.6248	2.5850	-0.4877	0.489575
Dcaf15	chr8:84097074-84104773	40.1001	45.4247	0.1799	0.516535
Tnfrsf12a	chr17:23675446-23677449	3.1045	2.0902	-0.5707	0.388074
Mir1981	chr1:184822406-184822488	10.7213	4.4564	-1.2665	0.350413
Znfx1	chr4:167035792-167063015	18.3447	20.2185	0.1403	0.447633
Gm16334	chr4:152418282-152421834	4.0047	2.4536	-0.7068	0.569335
Bricd5	chr17:24473883-24475469	8.2061	6.4343	-0.3509	0.474507
9930111J21Rik1	chr11:48946149-48979398	8.6691	9.7170	0.1646	0.276779
Srsf2	chr11:116849900-116853094	121.1347	114.5121	-0.0811	0.496913
Ankrd32	chr13:77043087-77135473	6.5465	7.3989	0.1766	0.314511
Gfod2	chr8:105713853-105758664	1.2641	0.9449	-0.4199	0.438870
Slc35f2	chr9:53771534-53818161	8.0088	6.9725	-0.1999	0.394394
Abhd14b	chr9:106448639-106452915	4.2528	5.5734	0.3902	0.454155
Prrg1	chrX:78449612-78583896	0.9468	0.7912	-0.2590	0.292337
Gm23302	chr14:118585038-118585138	9.2438	3.7002	-1.3209	0.507559
4930594M22Rik	chr14:122913029-122937469	1.6118	1.2236	-0.3974	0.361780
Jmjd8	chr17:25828866-25831842	31.8975	29.7531	-0.1004	0.326520
Tfrc	chr16:32608919-32632794	27.9002	25.6171	-0.1232	0.584637
Rasgrp2	chr19:6399339-6415216	11.9540	11.2419	-0.0886	0.370411
Gm16726	chr19:46264538-46267669	9.4579	7.5676	-0.3217	0.442733
Pik3c2b	chr1:133045666-133108687	0.7774	0.6229	-0.3197	0.303888
Slamf1	chr1:171767126-171801184	34.6053	38.0945	0.1386	0.374470
Snord17	chr2:144265978-144266216	912.1002	1215.8889	0.4147	0.546464
Sigmar1	chr4:41738492-41756157	8.1054	7.2227	-0.1663	0.282635
Kif9	chr9:110476993-110525179	0.1148	0.2576	1.1659	0.239797
Gm15978	chr17:87329763-87332052	1.1756	2.0645	0.8124	0.321169
Fads1	chr19:10182887-10196870	6.5516	5.7709	-0.1830	0.333361
Antxr2	chr5:97882782-98030733	13.7435	15.3602	0.1605	0.425755
Gm24146	chr5:139844929-139845250	20.0345	25.4074	0.3428	0.335287
Msh4	chr3:153857146-153906138	0.4981	0.3003	-0.7302	0.335680
Nfe2l1	chr11:96817413-96829968	20.8392	19.3360	-0.1080	0.468208
1700020L24Rik	chr11:83437685-83441232	1.1395	2.0124	0.8204	0.251283
Ankrd17	chr5:90227189-90366185	24.8385	23.2761	-0.0937	0.505716
Dfna5	chr6:50189368-50263862	1.6131	1.3222	-0.2869	0.418143
Pnpla2	chr7:141455197-141460743	7.5532	9.0862	0.2666	0.526914
Snord57	chr2:130278015-130278087	19.9754	9.2357	-1.1129	0.340771
Plekhh1	chr12:79029162-79081648	1.9926	2.4308	0.2868	0.412907
Gm17655	chr5:110046231-110046486	2.5181	5.0480	1.0034	0.276305
Gm4924	chr10:82378592-82381237	0.9226	1.3111	0.5070	0.293175
Hadha	chr5:30118300-30155162	36.7164	39.5664	0.1079	0.148689
Zfp518a	chr19:40894704-40917947	17.5497	19.7531	0.1706	0.511094
Trim30c	chr7:104382064-104390586	0.3216	0.6443	1.0024	0.112619
NA	chr12:84417193-84418577	10.0861	11.8527	0.2328	0.164187
Rnf113a2	chr12:84417195-84418578	10.0861	11.8527	0.2328	0.164187
Fam120aos	chr13:48968286-48972031	9.0238	7.8025	-0.2098	0.332853
Gm10767	chr13:66904913-66909236	1.2061	1.7242	0.5156	0.416516
Gm15777	chr5:100670858-100678105	7.7746	6.1566	-0.3366	0.319810
Trbv20	chr6:41188272-41188977	64.2627	56.9018	-0.1755	0.228964
Krba1	chr6:48395585-48419855	6.8277	6.2782	-0.1211	0.433525
Rps25-ps1	chr6:145266326-145266825	4.0782	6.8872	0.7560	0.436554
Tsta3	chr15:75924683-75929730	27.1282	23.9545	-0.1795	0.518591
Tubb4a	chr17:57080065-57087782	3.0308	2.2797	-0.4109	0.566319
Abi2	chr1:60409618-60481162	7.9556	9.0537	0.1865	0.468938
Sec23b	chr2:144556228-144590749	15.7166	17.3057	0.1390	0.358615
BC068157	chr8:4209542-4217459	0.1440	0.2747	0.9315	0.238220
Atl3	chr19:7494039-7538608	22.8368	24.8884	0.1241	0.315747
St8sia6	chr2:13651019-13793808	8.3121	7.4156	-0.1646	0.528290
Elmsan1	chr12:84149175-84218881	8.5630	7.6281	-0.1668	0.608240
Fbxo30	chr10:11281329-11298052	0.9303	1.3348	0.5209	0.484341
Gm15561	chr12:69267770-69273432	4.7866	3.3890	-0.4981	0.038722
Kctd7	chr5:130144860-130155806	1.8324	2.2759	0.3127	0.364375
Rabif	chr1:134494659-134507882	23.8974	21.9985	-0.1195	0.191038
Scx	chr15:76457437-76459468	0.3799	0.7826	1.0426	0.106060
Ltb	chr17:35194438-35196320	313.7602	342.2749	0.1255	0.488807
Chchd10	chr10:75935572-75937725	26.8660	22.4164	-0.2612	0.600503
Dynll2	chr11:87979524-87987533	7.8735	6.8908	-0.1923	0.384153
Lrch4	chr5:137629120-137641099	35.2281	32.5428	-0.1144	0.564701
Sbk1	chr7:126272618-126294999	18.3423	16.9243	-0.1161	0.449412
Tnpo2	chr8:85036914-85057583	25.7126	24.1259	-0.0919	0.391500
Dcps	chr9:35124407-35176061	33.0653	37.1146	0.1667	0.329272
Gnai2	chr9:107614137-107635342	191.6535	208.2223	0.1196	0.450177

Fyco1	chr9:123789509-123851899	9.6988	8.8810	-0.1271	0.548948
Thrb	chr14:17660959-18038088	1.3961	1.0650	-0.3906	0.575013
Tnfaip81	chr17:56162476-56173955	12.6715	14.3883	0.1833	0.315996
Lrnf4	chr19:4611784-4615667	1.3245	0.7651	-0.7918	0.610480
Btaf1	chr19:36926078-37012752	32.7829	30.3301	-0.1122	0.588716
Gm15834	chr1:58505147-58523230	1.4853	1.1834	-0.3279	0.349269
Gm15983	chr16:5254785-5289621	0.1795	0.3356	0.9025	0.305985
Gm9833	chr3:10088172-10092564	0.4858	0.2020	-1.2661	0.422378
Htati2	chr7:49759105-49773999	14.9926	13.1328	-0.1911	0.400067
Dnal4	chr15:79761452-79777849	2.2947	3.1925	0.4764	0.450727
Nif3l1	chr1:58445150-58481816	9.4819	10.9811	0.2118	0.485797
Fam118a	chr15:85037061-85062828	16.0055	18.2238	0.1873	0.409890
Gpr151	chr18:42578019-42579652	2.5835	1.9240	-0.4253	0.326915
Gm24082	chr5:138606698-138606781	21.4747	36.5860	0.7687	0.407829
Al182371	chr2:35084045-35101543	0.9798	1.3880	0.5025	0.194546
Rps12	chr10:23785210-23787195	15.6727	19.7936	0.3368	0.405286
Rnf146	chr10:29344177-29362442	21.5758	23.9030	0.1478	0.433642
BC025920	chr10:81606269-81620703	2.6798	3.3163	0.3075	0.353985
1810014B01Rik	chr10:86685600-86694806	53.9674	49.9107	-0.1127	0.488991
Helb	chr10:120083607-120112987	18.8911	20.8445	0.1420	0.385912
Timeless	chr10:128232064-128252941	12.0753	13.3948	0.1496	0.378868
AA413626	chr11:4918509-4919003	5.5748	3.5765	-0.6404	0.424840
Pold2	chr11:5872179-5878292	28.2618	25.3768	-0.1553	0.567702
Adam19	chr11:46055991-46147343	32.2220	29.4490	-0.1298	0.641002
Gm12227	chr11:54728676-54734323	10.1609	7.8312	-0.3757	0.347070
Trim11	chr11:58978092-58991458	21.4178	19.7552	-0.1166	0.472831
Elac2	chr11:64979037-65002069	20.9280	19.1398	-0.1289	0.534004
Mink1	chr11:70562880-70614483	12.8764	11.6388	-0.1458	0.564036
Lgals9	chr11:78962973-78984946	22.1925	24.8740	0.1646	0.362146
Mrm1	chr11:84813060-84819515	8.5436	7.3796	-0.2113	0.521171
Fam134c	chr11:101096321-101119893	41.0925	38.9099	-0.0787	0.190515
Gpatch8	chr11:102475914-102556392	12.3315	13.5712	0.1382	0.403651
Ict1os	chr11:115406585-115408314	3.9480	2.9653	-0.4129	0.302023
Abhd12b	chr12:70154141-70183887	0.5517	0.3451	-0.6768	0.344127
Akap5	chr12:76324890-76334153	0.6213	0.4528	-0.4563	0.398473
4732487G21Rik	chr12:86290760-86306006	4.6711	5.5790	0.2562	0.337870
Sel1l	chr12:91806042-91849157	18.2458	17.1354	-0.0906	0.449306
Zscan12	chr13:21362826-21369824	7.7246	8.9184	0.2073	0.101849
Nrn1	chr13:36725624-36734477	31.8563	36.4537	0.1945	0.518378
Snrnp48	chr13:38204938-38227663	28.8592	32.5674	0.1744	0.442260
Bloc1s4	chr5:36747373-36748679	7.1184	9.1843	0.3676	0.433884
Mapkapk5	chr5:121518612-121545905	9.9446	11.0270	0.1491	0.322634
Hvcn1	chr5:122206803-122242297	28.4823	31.6248	0.1510	0.475508
Srrt	chr5:137295703-137307674	88.3332	83.2085	-0.0862	0.531436
Zfp157	chr5:138441467-138460694	5.4497	4.9207	-0.1473	0.505936
Psmg3	chr5:139823591-139826885	4.7943	4.0896	-0.2294	0.399072
Lfng	chr5:140607340-140615543	134.0034	125.6224	-0.0932	0.565150
Prss2	chr6:41521786-41525079	2.2465	3.2868	0.5490	0.277161
Zfp773	chr7:7130677-7136755	2.1586	1.6873	-0.3554	0.388372
Vmn2r29	chr7:7231326-7278289	0.5272	0.2807	-0.9094	0.515223
Gm26790	chr7:35772377-35779168	6.2119	7.3696	0.2466	0.322293
Gm22478	chr7:45388530-45388684	8.4297	4.4717	-0.9147	0.326567
5430400D12Rik	chr7:79920754-79922521	0.6212	0.2520	-1.3015	0.505629
Blm	chr7:80454992-80535119	7.2071	6.3855	-0.1746	0.540951
Mesdc2	chr7:83884465-83901532	9.2844	10.3387	0.1552	0.276232
Arap1	chr7:101348066-101412586	16.5998	15.2692	-0.1205	0.588677
Gm23262	chr7:111076059-111076227	361.0413	511.0360	0.5013	0.581482
Cog7	chr7:121922838-121981711	3.9242	4.7269	0.2685	0.372018
NA	chr8:4325226-4348790	2.2817	1.3642	-0.7420	0.302380
Arglu1	chr8:8666576-8690537	99.0917	93.4572	-0.0845	0.384694
Rasa3	chr8:13566949-13677603	93.7600	89.4335	-0.0682	0.422578
Cfap97	chr8:46151770-46195590	11.3498	12.4528	0.1338	0.057019
Cklf	chr8:104250902-104264936	8.7012	7.6321	-0.1891	0.251877
Fbxo31	chr8:121549439-121578806	6.9780	6.1813	-0.1749	0.543727
Ctu2	chr8:122476142-122484138	12.8164	11.8713	-0.1105	0.369286
Gm16853	chr9:21405241-21411720	1.9098	1.2083	-0.6605	0.238325
Snx19	chr9:30427328-30466726	14.9821	13.9866	-0.0992	0.333794
Zfp202	chr9:40192315-40213604	2.3763	1.9179	-0.3092	0.464811
Ddx6	chr9:44604891-44640731	41.8943	39.0946	-0.0998	0.566826
Imp3	chr9:56937499-56938397	54.5400	50.2415	-0.1184	0.188974
Gm26631	chr9:57531286-57537629	8.5238	9.9459	0.2226	0.418943

Pdcd7	chr9:65346067-65359642	12.1422	13.9502	0.2003	0.412518
Lactb	chr9:66955392-66975484	12.3376	14.6425	0.2471	0.522258
Elp6	chr9:110305191-110322092	3.9693	4.9729	0.3252	0.339668
Pdcd6ip	chr9:113651743-113708259	17.4598	16.3876	-0.0914	0.357780
Gm9888	chr9:114780099-114782257	6.3451	8.8938	0.4872	0.499640
Gripap1	chrX:7789764-7820567	11.7531	10.6033	-0.1485	0.575026
Brc3	chrX:75416627-75454001	6.3090	7.0061	0.1512	0.261546
Pycl	chr15:75916462-75921560	11.7666	14.1129	0.2623	0.421942
Nup50	chr15:84923427-84942955	24.4459	23.0302	-0.0861	0.267026
Tymp	chr15:89371930-89377039	10.5098	8.7170	-0.2698	0.596068
Twf1	chr15:94577950-94589889	11.7023	13.1820	0.1718	0.290356
Ppp3cb	chr14:20499363-20546573	18.7227	17.5281	-0.0951	0.347937
Gm4285	chr14:75843378-75844964	2.9980	4.0737	0.4424	0.141898
Elf1	chr14:79481193-79582476	75.9747	81.5908	0.1029	0.240556
Clcn7	chr17:25133390-25162104	11.2107	10.2822	-0.1247	0.447206
Gm16580	chr17:26269335-26270379	3.0048	1.9364	-0.6339	0.526573
Tapbp	chr17:33915898-33929288	112.6095	123.2138	0.1298	0.487350
Gm15821	chr17:34211311-34214459	58.6732	53.9922	-0.1200	0.487101
Ppt2	chr17:34616661-34628510	5.3182	4.4614	-0.2535	0.419349
Mrps18b	chr17:35910378-35916389	7.9453	6.9169	-0.2000	0.266008
Cluap1	chr16:3908800-3941147	19.2206	17.3324	-0.1492	0.475850
Anks3	chr16:4941414-4964237	20.4776	18.6717	-0.1332	0.433071
Wdr5b	chr16:36041189-36042973	14.3178	16.4622	0.2014	0.403021
Trat1	chr16:48734689-48771956	46.5841	54.5015	0.2265	0.511281
Dopey2	chr16:93711906-93810585	9.9331	8.8613	-0.1647	0.634044
Cd6	chr19:10789340-10830058	150.7037	163.9126	0.1212	0.460841
Uggt1	chr1:36141529-36244305	41.8633	39.8717	-0.0703	0.414077
Actr1b	chr1:36699201-36714422	21.9209	20.2305	-0.1158	0.438259
Dtymk	chr1:93792575-93801934	24.2372	22.4170	-0.1126	0.314333
B230216N24Rik	chr1:98031115-98057680	0.4775	0.7266	0.6057	0.479448
Mir5117	chr1:161037355-161037439	23.6490	38.7065	0.7108	0.349058
Gm5687	chr18:12898426-12899066	2.9927	4.7573	0.6687	0.290707
Sil1	chr18:35266399-35498925	11.6807	13.6913	0.2291	0.385212
BC031181	chr18:75005899-75009933	27.3812	31.7105	0.2118	0.422377
Gm13375	chr2:20969053-20969997	1.8541	0.9123	-1.0232	0.563584
Gm9823	chr2:29738334-29738665	47.9265	41.3970	-0.2113	0.343539
Sp3os	chr2:72979423-72988677	5.3542	7.0274	0.3923	0.398044
Eif2ak4	chr2:118388617-118475234	6.1901	5.6106	-0.1418	0.491042
Vps18	chr2:119288739-119298453	6.3840	5.5645	-0.1982	0.503194
Slc30a4	chr2:122681232-122702663	4.4958	3.7944	-0.2447	0.624372
1810024B03Rik	chr2:127186354-127208280	0.5120	0.8368	0.7088	0.240142
Zfp335os	chr2:164911353-164919953	3.2615	4.1784	0.3574	0.048911
BC046401	chr2:165857683-165859034	2.5771	1.7381	-0.5683	0.224964
Atp9a	chr2:168634437-168742409	5.1820	6.1289	0.2421	0.495423
Zfp931	chr2:178067694-178078476	4.2045	3.4029	-0.3052	0.522600
Ttc14	chr3:33799954-33814860	35.5420	33.3844	-0.0904	0.523281
Lamtor2	chr3:88549818-88553074	9.7802	12.2060	0.3197	0.497987
NA	chr3:90062795-90068347	7.1645	6.2503	-0.1969	0.397849
Gm16731	chr4:46535900-46539802	19.4536	22.4894	0.2092	0.212363
Rad23b	chr4:55350042-55392237	35.3167	38.6716	0.1309	0.463468
Junos	chr4:95051533-95167318	0.2791	0.5507	0.9808	0.376797
Hpd1	chr4:116819906-116821508	1.3212	0.7126	-0.8908	0.539184
Cap1	chr4:122859046-122886056	201.7920	215.2710	0.0933	0.184498
Dnal1	chr4:125055337-125065703	1.6415	1.1822	-0.4735	0.383663
Srsf10	chr4:135855746-135869908	20.0592	18.6253	-0.1070	0.542842
Wnt4	chr4:137277488-137299726	0.3497	0.1889	-0.8887	0.355950
Sh2d5	chr4:138250402-138261332	0.5716	0.3819	-0.5818	0.294680
Gm20421	chr4:154960769-154961678	1.3241	0.5019	-1.3995	0.493347
Tcrg-C4	chr13:19342185-19352343	4.6970	2.7696	-0.7620	0.421568
Kndc1	chr7:139894695-139941537	0.0415	0.1027	1.3058	0.290572
Gm24629	chr8:105203992-105204081	9.6799	3.9887	-1.2791	0.365184
Dnase113	chr14:7964532-7994573	0.1328	0.2792	1.0727	0.250118
Gm5499	chr17:87078262-87080230	0.2822	0.6526	1.2095	0.368021
Gm15539	chr16:3927605-3928171	3.0654	1.9216	-0.6738	0.338689
Gm16026	chr1:85266697-85285491	0.2715	0.4791	0.8196	0.310583
1700040D17Rik	chr3:94409394-94412883	0.5979	1.1592	0.9552	0.191447
Hcn2	chr10:79716633-79736108	0.3575	0.6546	0.8724	0.437638
Gm7452	chr6:36956643-36960417	0.2965	0.1124	-1.3996	0.508855
B4galnt3	chr6:120203072-120294559	0.3167	0.1549	-1.0315	0.522926
Trav5-1	chr14:52622565-52623082	2.1833	4.1774	0.9361	0.378537
Gm23205	chr18:38297938-38298041	10.8756	6.0633	-0.8429	0.425648

Shb	chr4:45423277-45532470	0.1100	0.2260	1.0391	0.268546
0610009L18Rik	chr11:120348677-120351190	4.5328	6.6881	0.5612	0.483213
Ascc1	chr10:60002804-60099990	14.7412	13.1741	-0.1621	0.227083
Mir678	chr10:76207325-76207409	16.2676	9.2266	-0.8181	0.385270
Rdh5	chr10:128913592-128922888	11.3317	10.0596	-0.1718	0.498208
Figl1	chr11:11787430-11808962	9.3162	10.5063	0.1734	0.447141
Gm26563	chr11:80017353-80029868	9.3162	8.3843	-0.1521	0.385493
Trim47	chr11:116105751-116127210	0.4572	0.7743	0.7602	0.198223
Prkar2b	chr12:31958475-32061296	1.0743	1.4719	0.4543	0.448583
Ppm1a	chr12:72761210-72794940	31.9080	35.4838	0.1532	0.448601
Slc39a9	chr12:80644214-80683341	7.4988	8.4101	0.1655	0.268609
Ccdc88c	chr12:100912699-101028983	67.6011	62.9316	-0.1033	0.619861
Yy1	chr12:108792972-108816632	43.3525	40.9696	-0.0816	0.240426
Tchp	chr5:114707759-114722327	5.4429	6.2449	0.1983	0.242158
Casp2	chr6:42264984-42282508	15.2013	16.5631	0.1238	0.263771
Ube3a	chr7:59228751-59306727	33.3676	30.7024	-0.1201	0.602175
Wdr73	chr7:80890722-80901269	9.8583	8.9712	-0.1360	0.329533
Trim30d	chr7:104470013-104507849	13.9455	18.1760	0.3822	0.446554
Lrrc27	chr7:139212987-139242979	0.5734	0.8163	0.5096	0.227394
Haus8	chr8:71248560-71272934	6.3206	5.5835	-0.1789	0.520187
Rbm15b	chr9:106880928-106882289	15.4329	13.6062	-0.1817	0.295367
Xiap	chrX:42059678-42109656	16.2760	17.8674	0.1346	0.423757
Apln	chrX:48025145-48034853	0.3822	0.6721	0.8142	0.420696
Emd	chrX:74254686-74261548	18.7167	20.7554	0.1492	0.247237
Gdi1	chrX:74304997-74311862	31.4685	29.4005	-0.0981	0.507549
Nox1	chrX:134086420-134221956	1.4535	2.0197	0.4746	0.416589
Snord72	chr15:5118403-5118484	21.4295	35.7920	0.7400	0.410943
2610037D02Rik	chr15:96134818-96283608	0.8902	0.6840	-0.3801	0.203189
Gm20683	chr17:25834464-25841763	17.9844	16.1460	-0.1556	0.557925
Pfdn6	chr17:33938820-33940343	27.0865	31.4880	0.2172	0.494958
Tmem63b	chr17:45660170-45686905	3.0599	2.6493	-0.2079	0.301099
Rrp36	chr17:46667457-46674255	21.6283	24.7997	0.1974	0.324125
Tbc1d5	chr17:50733126-51179349	6.7514	7.5885	0.1686	0.315944
Chaf1a	chr17:56040415-56068026	13.0585	11.7346	-0.1542	0.515323
Cebpzos	chr17:78916498-78921037	11.9215	14.0987	0.2420	0.411711
Gm15585	chr16:17092814-17096350	3.0913	4.7655	0.6244	0.461016
N6amt1	chr16:87354184-87368742	2.9463	2.5902	-0.1859	0.238201
4931406G06Rik	chr16:91044655-91056677	0.7509	1.2724	0.7607	0.416331
Unc93b1	chr19:3935185-3949340	9.4024	10.9707	0.2225	0.471573
Fermt3	chr19:698957-7019469	123.0030	134.1835	0.1255	0.474782
Zdhhc16	chr19:41933471-41944095	19.8704	18.0556	-0.1382	0.336039
Vcpip1	chr1:9718621-9748382	13.7320	12.7173	-0.1108	0.582500
Hmgxb3	chr18:61131278-61177050	16.4271	15.2601	-0.1063	0.421949
Cntrl	chr2:35109491-35178822	54.5537	58.6493	0.1044	0.334466
Taf4a	chr2:179912145-179976646	9.0878	7.9038	-0.2014	0.634623
Rusc1	chr3:89083980-89093363	8.6175	9.7439	0.1772	0.339424
Gm12657	chr4:94593649-94600310	2.6272	1.8209	-0.5289	0.165611
Exo5	chr4:120921195-120925017	11.7343	13.5644	0.2091	0.391654
Gm12174	chr11:46727817-46728630	0.4023	0.9502	1.2402	0.443849
Noxred1	chr12:87221254-87233556	0.7812	1.7095	1.1298	0.494245
Cspg5	chr9:110243782-110262575	0.5905	0.3447	-0.7765	0.454792
4930412O13Rik	chr2:9881251-9883921	0.5754	1.0863	0.9168	0.362917
Gm12847	chr4:115818856-115822655	6.5843	3.8923	-0.7584	0.542493
Ndufs5	chr4:123712709-123718202	2.2176	3.6992	0.7382	0.353839
Gm6583	chr5:112353800-112356033	0.2807	0.6199	1.1430	0.478176
Hepacam2	chr6:3457095-3494498	0.4077	0.1856	-1.1352	0.511337
Asf1a	chr10:53596960-53609213	21.2823	19.3801	-0.1351	0.449099
9630013K17Rik	chr11:63964225-63968040	0.9388	0.4248	-1.1439	0.218010
Tnpo3	chr6:29540826-29609887	21.2990	20.1056	-0.0832	0.443364
Rab12	chr17:66494511-66519717	9.4068	8.2592	-0.1877	0.550876
Mkl2	chr16:13256480-13417529	4.8687	4.3050	-0.1775	0.612567
Phpt1	chr2:25573429-25575224	9.5781	12.0279	0.3286	0.471457
Trav6-2	chr14:52667410-52667864	1.3268	2.9970	1.1756	0.334871
Gm15713	chr16:43410517-43420196	2.8264	1.6466	-0.7795	0.611941
Rpl5-ps2	chr2:154703808-154704699	0.7068	1.2371	0.8075	0.193686
Iqsec1	chr6:90659597-90810123	4.2192	3.6110	-0.2246	0.625147
Epcam	chr17:87635978-87651106	10.8512	12.5699	0.2121	0.387602
Slc4a11	chr2:130684112-130697519	0.2096	0.3717	0.8264	0.303050
Zmiz1	chr14:25459184-25666743	3.3712	2.8522	-0.2412	0.669745
1700109H08Rik	chr5:3571565-3584356	13.8940	11.3302	-0.2943	0.490929
Gm2420	chr5:32724351-32736194	1.4115	2.2712	0.6862	0.302832

Mettl10	chr7:132827456-132852673	14.6336	16.6594	0.1870	0.265835
Gm10509	chr17:21690765-21691024	2.7207	5.6546	1.0554	0.334851
Ppp1r3fos	chrX:7573599-7581015	13.2264	14.6874	0.1512	0.272109
C130026121Rik	chr1:84992689-85270566	1.4210	1.9170	0.4320	0.464527
Lats1	chr10:7681208-7716458	12.1985	11.3945	-0.0984	0.389366
Lyrm7	chr11:54826865-54860916	0.6062	0.9782	0.6903	0.334483
Tmem107	chr11:69070805-69073293	1.6918	0.9664	-0.8079	0.459957
Tmem256	chr11:69838513-69839618	9.6012	12.0810	0.3315	0.531698
Sap25	chr5:137641333-137642902	22.7798	20.5494	-0.1487	0.442966
Lmtk2	chr5:144100435-144188204	12.5081	11.4866	-0.1229	0.579628
2210013021Rik	chrX:153723589-153741264	6.7722	8.7612	0.3715	0.414223
Gm17058	chr15:99765990-99782332	0.8534	1.3962	0.7101	0.099896
Bak1	chr17:27019809-27029009	25.1238	28.5700	0.1854	0.550585
2610318N02Rik	chr16:17113398-17125106	2.7121	1.9376	-0.4851	0.472619
Gm6611	chr16:32923217-32924489	7.8330	6.1514	-0.3486	0.545539
Tmem138	chr19:10570477-10577362	5.3651	6.5415	0.2860	0.275008
Gm13349	chr2:18338578-18338989	4.5381	2.3960	-0.9215	0.390955
Mrrf	chr2:36136388-36190647	5.5287	4.7358	-0.2233	0.425878
Scamp3	chr3:89177472-89182765	30.2607	27.5778	-0.1339	0.547398
Ndufaf4	chr4:24898082-24905001	8.9828	7.8595	-0.1927	0.571918
Fbxo44	chr4:148152799-148160482	1.7143	2.1911	0.3540	0.291579
Crb3	chr17:57059104-57065918	0.4516	0.8675	0.9419	0.351473
Cep57	chr9:13807791-13827107	15.8712	17.6845	0.1561	0.438909
Gm22579	chr9:15316675-15316808	72.4836	57.8831	-0.3245	0.535541
Arxes2	chrX:135993819-135995359	3.2929	4.3048	0.3866	0.465197
Snhg1	chr19:8723495-8726442	35.5625	40.4182	0.1846	0.600067
Ckap5	chr2:91526761-91620664	30.9292	33.2839	0.1059	0.313125
Gm7805	chr17:21964135-21964583	1.7752	3.6287	1.0315	0.386799
Dnajc2	chr5:21757266-21785251	27.2100	25.3216	-0.1038	0.537772
Cdk5r1	chr11:80477045-80481179	2.2045	2.7424	0.3150	0.482628
Papola	chr12:105784693-105838944	39.4636	37.6352	-0.0684	0.252630
Gm8806	chrX:80533744-80535151	1.6429	2.4353	0.5678	0.477143
Unkl	chr17:25188396-25234443	5.4951	6.2521	0.1862	0.375922
Dusp23	chr1:172630768-172632974	1.9280	1.3979	-0.4639	0.061532
9830144P21Rik	chr2:129205957-129230579	5.4614	4.7838	-0.1911	0.488147
Rsph3b	chr17:6904715-6948356	0.8861	1.5467	0.8037	0.428007
Tab2	chr10:7905652-7956230	23.3760	25.2106	0.1090	0.221827
Ltv1	chr10:13178639-13193137	30.7983	27.9911	-0.1379	0.539836
Gm6963	chr10:39424617-39424996	8.7296	6.3833	-0.4516	0.273927
Slc16a10	chr10:40033534-40142254	1.7705	1.4537	-0.2844	0.460201
D830039M14Rik	chr10:61475244-61476937	0.5844	0.2629	-1.1522	0.369209
Dip2a	chr10:76259428-76345291	2.6591	3.1074	0.2248	0.420376
Gm4925	chr10:88729540-88731101	0.8539	0.4149	-1.0413	0.344704
Tbk1	chr10:121546454-121586794	38.1863	41.8401	0.1318	0.403035
Prim1	chr10:128015167-128030037	13.9071	12.7929	-0.1205	0.464696
Cnpy2	chr10:128322458-128327187	33.2771	37.6186	0.1769	0.388354
Gas2l1	chr11:5054131-5065327	0.5569	0.7557	0.4403	0.355401
Anp32-ps	chr11:33394878-33395266	2.5233	3.9412	0.6433	0.128463
Fndc9	chr11:46235530-46239872	5.6118	4.7710	-0.2342	0.341942
Gm12250	chr11:58183842-58190198	52.5048	57.6837	0.1357	0.477019
Mprip	chr11:59661304-59780860	11.1924	10.5590	-0.0841	0.469749
Elp5	chr11:69968221-69982517	15.2330	17.2142	0.1764	0.392848
Synrg	chr11:83964427-84044578	11.4934	10.7845	-0.0918	0.408301
Trim37	chr11:87127076-87220683	7.3619	6.7881	-0.1171	0.374518
Cox11	chr11:90638172-90644931	5.7725	7.0881	0.2962	0.304947
Aarsd1	chr11:101406838-101417615	10.5884	12.0657	0.1884	0.333828
Gm11675	chr11:111276099-111276931	1.9997	1.0500	-0.9295	0.399781
Lgals3bp	chr11:118392750-118402092	23.3675	29.8601	0.3537	0.476607
NA	chr12:87442682-87444017	13.2174	11.5011	-0.2007	0.388764
Cpsf2	chr12:101975973-102005993	24.0415	26.2791	0.1284	0.402553
Ckb	chr12:111669354-111672338	5.8196	7.1450	0.2960	0.397318
Trmt61a	chr12:111678104-111683902	9.8068	8.7097	-0.1712	0.403973
Wdr37	chr13:8802967-8871909	9.9404	9.3166	-0.0935	0.301506
Gmnn	chr13:24751844-24761923	13.1904	15.5306	0.2356	0.419760
Irf4	chr13:30749225-30766927	42.3961	39.6922	-0.0951	0.582639
Phf2os1	chr13:48871111-48875460	8.9059	6.7981	-0.3896	0.345547
Gzmk	chr13:113171607-113225908	1.6028	2.6809	0.7422	0.519377
4933427G23Rik	chr5:23815617-23831897	1.2778	0.9283	-0.4609	0.258593
Nub1	chr5:24685814-24710555	41.3105	44.5841	0.1100	0.219729
Tmem214	chr5:30869578-30879191	12.0983	11.1107	-0.1229	0.567481
Bre	chr5:31697683-32084962	7.9880	9.0637	0.1823	0.452730

Ociad1	chr5:73292793-73314077	38.5760	42.1104	0.1265	0.413999
Zfp326	chr5:105876564-105915818	3.5151	3.1500	-0.1582	0.382371
Miat	chr5:112213227-112229395	0.6850	0.3393	-1.0137	0.401837
Selp1g	chr5:113817797-113830501	142.8931	155.6406	0.1233	0.508400
4930515G01Rik	chr5:114773736-114774983	1.9701	2.7077	0.4588	0.213044
Rnf10	chr5:115241411-115272898	18.9566	17.6640	-0.1019	0.441028
Cux1	chr5:136248134-136567490	6.8190	6.3552	-0.1016	0.468987
Ttyh3	chr5:140620585-140649031	4.7475	4.1158	-0.2060	0.503325
Kdelr2	chr5:143403819-143421900	22.7358	25.5348	0.1675	0.420109
Dag1b	chr5:143464492-143504442	4.7266	4.1448	-0.1895	0.551487
Smurf1	chr5:144876494-144965847	9.7590	8.9934	-0.1179	0.462391
Mtus2	chr5:147957319-148316065	0.1202	0.2354	0.9695	0.403441
Smarcad1	chr6:65042666-65116050	16.1922	15.0785	-0.1028	0.436193
Copg1	chr6:87887813-87913595	23.0239	21.8915	-0.0728	0.437064
Slc25a26	chr6:94500313-94604648	5.1572	4.2114	-0.2923	0.484542
Ptms	chr6:124913680-124917946	33.0288	37.5862	0.1865	0.567741
Erp27	chr6:136907310-136922180	1.2767	0.9484	-0.4288	0.335178
Gm17216	chr6:148213366-148214573	5.0956	6.6768	0.3899	0.386975
Napa	chr7:16098457-16117975	25.7548	23.9423	-0.1053	0.517860
Fbl	chr7:28169747-28179269	3.7628	2.9433	-0.3543	0.154928
Zfp382	chr7:30121941-30134665	8.5606	9.9516	0.2172	0.372120
Psenen	chr7:30561867-30563184	2.8692	4.1177	0.5212	0.220764
Snord35b	chr7:45123024-45123111	59.2898	46.3541	-0.3551	0.277181
Gm16464	chr7:104501054-104502149	3.7720	2.5481	-0.5659	0.505086
lpo7	chr7:110018424-110055114	65.3646	61.1233	-0.0968	0.554314
Slx1b	chr7:126689467-126695784	6.4522	5.7009	-0.1786	0.474409
Gm26690	chr7:127982569-127984881	3.3821	2.6276	-0.3642	0.536155
Proz	chr8:13060907-13075006	1.4788	2.0002	0.4357	0.336274
Champ1	chr8:13869640-13881639	14.0475	15.3868	0.1314	0.139667
Rnf170	chr8:26119367-26143871	4.2289	5.0619	0.2594	0.557958
Gm24727	chr8:33691800-33691944	8.5894	14.4769	0.7531	0.214784
Cnot7	chr8:40492539-40515847	14.4354	13.5680	-0.0894	0.153237
Klhl26	chr8:70450227-70476943	6.2933	5.4258	-0.2140	0.496969
Ccdc130	chr8:84257794-84270380	5.6233	6.6444	0.2407	0.373629
Gadd45gip1	chr8:84831521-84835482	27.9880	25.6648	-0.1250	0.532951
Mast1	chr8:84911902-84937359	0.6648	0.4751	-0.4846	0.516882
Nlrc5	chr8:94472762-94527272	95.8535	89.9996	-0.0909	0.640048
Nae1	chr8:104511027-104534637	10.9408	12.1377	0.1498	0.485209
Hsbp1	chr8:119344537-119348927	48.7431	54.1632	0.1521	0.415276
Gm24455	chr9:15313801-15313932	11.7220	19.3369	0.7221	0.323949
Thyn1	chr9:26999676-27007330	42.6704	39.1824	-0.1230	0.148297
Snord14c	chr9:40803582-40803668	43.1556	30.2487	-0.5127	0.389447
Dyx1c1	chr9:72958784-72973064	1.8812	2.4571	0.3853	0.205072
Lrrc1	chr9:77430822-77544059	10.2120	9.0090	-0.1808	0.499148
Gclc	chr9:77754534-77794485	20.1001	22.0968	0.1366	0.322641
Gm20425	chr9:103190207-103230307	6.8421	7.9327	0.2134	0.347011
Qrich1	chr9:108517086-108560167	72.0967	77.4789	0.1039	0.246603
Tmem158	chr9:123259057-123260789	3.1341	4.0788	0.3801	0.486812
Apoo	chrX:94367116-94417093	1.2511	0.6437	-0.9588	0.566033
Gm15726	chrX:169979046-169985232	3.2895	2.0780	-0.6627	0.305209
Wdr70	chr15:7873054-8099209	8.9765	7.7579	-0.2105	0.470976
Matn2	chr15:34306679-34436242	8.8212	9.9273	0.1704	0.278795
Trappc9	chr15:72589620-73061204	7.1202	7.9687	0.1624	0.363707
Gm15945	chr15:75661406-75663529	1.1053	1.9672	0.8317	0.418303
Tcea1-ps1	chr15:90882614-90883518	6.2518	8.1438	0.3814	0.519850
Tmem106c	chr15:97964228-97970286	5.3124	6.7712	0.3500	0.471004
Galnt6	chr15:100691812-100729376	76.2178	72.0444	-0.0812	0.521321
Ube2e2	chr14:18573574-18894267	0.2275	0.1140	-0.9965	0.410545
Arhgef3	chr14:27238038-27403904	142.4831	152.7112	0.1000	0.326290
Hnrnpc	chr14:52073379-52104028	71.2966	66.4118	-0.1024	0.600826
Zdhhc20	chr14:57832701-57890262	46.3634	50.2346	0.1157	0.393346
Cog3	chr14:75702350-75754493	21.8279	23.8237	0.1262	0.236623
Tagap	chr17:7925999-7934897	50.5925	47.6602	-0.0861	0.474090
NA	chr17:12232480-12271184	19.0447	17.6502	-0.1097	0.254552
NA	chr17:14978863-14991577	1.2045	0.7810	-0.6250	0.372420
Chd1	chr17:15704966-15772610	32.9474	31.2704	-0.0754	0.461107
Vmn1r-ps145	chr17:20969060-20969484	2.0481	0.8536	-1.2626	0.520890
Pgp	chr17:24470472-24471591	16.3560	13.8911	-0.2357	0.509289
Neurl1b	chr17:26414828-26446349	0.6975	0.8976	0.3638	0.301045
Zfp952	chr17:32993128-33005457	8.6834	7.7867	-0.1573	0.531466
Tap1	chr17:34187552-34197225	88.5786	96.6080	0.1252	0.499926

H2-Eb1	chr17:34305882-34316199	5.7103	7.3197	0.3582	0.495973
Gm5815	chr17:58593658-58594843	1.0897	0.5462	-0.9965	0.400359
Mcfd2	chr17:87254657-87265935	7.6176	9.0917	0.2552	0.443924
Ubald1	chr16:4874777-4880315	7.8714	7.1905	-0.1305	0.442887
Car15	chr16:17835275-17838364	3.4654	4.4149	0.3493	0.152281
Zbtb20	chr16:42875880-43642602	3.5953	3.2658	-0.1387	0.663590
B130034C11Rik	chr16:87495998-87504033	0.8080	1.3124	0.6997	0.411308
Chaf1b	chr16:93883900-93906115	7.0800	7.8981	0.1578	0.238745
Aip	chr19:4114445-4125858	26.1674	29.0661	0.1516	0.352316
Rhod	chr19:4425458-4439432	0.9950	1.5243	0.6153	0.386957
Tm7sf2	chr19:6062820-6068373	4.8130	5.5592	0.2080	0.210045
Pcna-ps2	chr19:9283237-9284494	2.4774	1.6537	-0.5831	0.516376
2410127L17Rik	chr19:18670779-18704788	2.1666	2.8096	0.3749	0.382188
Rdh10	chr1:16105773-16133734	2.6127	3.1816	0.2842	0.396986
Rpl10a-ps1	chr1:64993923-64994631	7.0624	9.4384	0.4184	0.388914
Gpc1	chr1:92831644-92860198	3.5823	3.0022	-0.2549	0.461005
Fam72a	chr1:131527902-131539872	1.1797	1.5947	0.4349	0.041279
Taf1a	chr1:183388980-183409353	13.4063	11.5892	-0.2101	0.467985
Zfp532	chr18:65580229-65689443	0.0777	0.0317	-1.2940	0.519130
Mbd2	chr18:70568188-70626131	61.7632	66.2715	0.1016	0.167680
Me2	chr18:73770039-73815392	45.8663	50.5732	0.1409	0.438184
Stamos	chr2:14070331-14073934	2.1419	1.0606	-1.0141	0.454590
Dnm1	chr2:32308470-32353329	0.2626	0.1468	-0.8394	0.363227
Fam102a	chr2:32535331-32569756	22.2604	20.7417	-0.1019	0.534417
Nmi	chr2:51948486-51973494	36.4525	40.2239	0.1420	0.376878
Gcg	chr2:62474529-62483650	0.2626	0.6969	1.4081	0.438319
Gm26558	chr2:70661247-70662108	4.3911	3.2880	-0.4174	0.262435
Rapgef4os2	chr2:72224687-72232302	0.4642	0.8201	0.8211	0.369615
Rcn1	chr2:105386290-105399319	26.6385	24.6196	-0.1137	0.534806
Elp4	chr2:105697319-105904564	2.4002	2.7643	0.2038	0.176822
Chst14	chr2:118926496-118928585	2.2035	1.5524	-0.5053	0.341810
Chp1	chr2:119547696-119587027	16.5367	18.3817	0.1526	0.415639
Ciao1	chr2:127240937-127247816	15.1477	17.0223	0.1683	0.410398
Zc3h8	chr2:128926267-128944077	8.0337	6.7498	-0.2512	0.420244
Ttl	chr2:129065941-129096283	2.2372	1.9307	-0.2125	0.285187
Mrps26	chr2:130563741-130568695	7.7713	8.8022	0.1797	0.388437
6430590A07Rik	chr3:40885896-40894123	6.4556	5.1529	-0.3252	0.377740
Mam13	chr3:51687610-52104891	1.0944	0.8935	-0.2927	0.330051
Comm2	chr3:57642903-57651715	4.5209	5.2068	0.2038	0.382343
Rapgef2	chr3:79062515-79181340	7.2370	7.9580	0.1370	0.431210
6330549D23Rik	chr3:96606658-96629820	1.2711	0.8570	-0.5688	0.601767
Wdr47	chr3:108591278-108645719	6.3986	5.6258	-0.1857	0.543978
Stxbp3a	chr3:108793175-108840526	11.8940	11.0806	-0.1022	0.293929
Vav3	chr3:109340652-109685698	10.1799	9.3233	-0.1268	0.522227
Pigk	chr3:152714099-152980408	8.6423	8.0638	-0.1000	0.340601
Dpy19l4	chr4:11261314-11322137	7.1308	7.9733	0.1611	0.468802
Tln1	chr4:43531518-43562691	120.7258	113.4363	-0.0899	0.634613
Exosc3	chr4:45316612-45342732	31.3131	36.1000	0.2052	0.523816
Usp1	chr4:98923809-98935543	25.6865	28.1567	0.1325	0.358971
Gm12744	chr4:106587096-106589108	13.4192	9.9818	-0.4269	0.571828
Gm17300	chr4:132351771-132353382	256.0596	325.0762	0.3443	0.520355
Znf41-ps	chr4:145825236-145829942	1.1505	1.5593	0.4387	0.225861
Gm13205	chr4:148947491-148948914	4.6753	2.8581	-0.7100	0.296631
Spsb1	chr4:149896282-149955043	2.7094	2.2877	-0.2441	0.456407
Ctcf	chr10:24595441-24598683	0.3012	0.1447	-1.0582	0.399670
Heatr9	chr11:83511735-83522175	0.6614	1.1304	0.7732	0.312085
Ccdc40	chr11:119228571-119265236	0.2548	0.4193	0.7186	0.243826
Gm15819	chr5:63923900-63924969	1.1460	2.3612	1.0429	0.309690
Gm4875	chr6:117997206-117997992	1.1515	0.4966	-1.2132	0.345496
Gm16044	chr7:128692688-128693138	9.7605	6.2229	-0.6494	0.493449
4931415C17Rik	chr8:12672185-12679229	0.7456	0.4186	-0.8330	0.565709
Purg	chr8:33386324-33417468	1.3570	2.1213	0.6445	0.362338
Gm10658	chr9:57056629-57071966	0.8273	1.4171	0.7764	0.326816
Ky	chr9:102506137-102546238	0.1869	0.3309	0.8243	0.320286
Gm7331	chrX:162566815-162567309	1.0674	1.9882	0.8974	0.174825
Ccdc152	chr15:3280626-3303526	1.2430	0.6304	-0.9794	0.420870
Rsph1	chr17:31255018-31277356	0.3303	0.7500	1.1831	0.250108
A930006K02Rik	chr16:91465103-91470121	4.7464	7.4558	0.6515	0.477501
Tigd3	chr19:5891138-5894107	0.5271	0.9130	0.7925	0.394366
Lmo2	chr2:103957985-103981878	0.2650	0.5046	0.9293	0.210615
Gm14292	chr2:179177424-179177880	4.9057	2.8304	-0.7934	0.397619

Mxra8	chr4:155839679-155844088	0.1675	0.3761	1.1673	0.428849
9830147E19Rik	chr7:42609525-42642588	0.4052	0.6903	0.7687	0.488793
Pls3	chrX:75785653-75875182	0.2572	0.1015	-1.3420	0.523544
Slc9b1	chr3:135348028-135397827	0.2161	0.1128	-0.9376	0.208069
Epor	chr9:21958898-21963576	0.1927	0.4134	1.1015	0.393709
Dazap1	chr10:80261485-80288408	32.1507	35.3639	0.1374	0.414956
Ewsr1	chr11:5069688-5099266	62.2700	59.7838	-0.0588	0.216075
Iba57	chr11:59155368-59163739	3.2657	2.7658	-0.2397	0.555607
Psm6	chr12:55384221-55418454	59.3120	66.1778	0.1580	0.484551
Smek1	chr12:101039408-101083702	63.5445	60.5809	-0.0689	0.382030
Sema4d	chr13:51701245-51793747	24.1692	21.8401	-0.1462	0.692359
Hrh2	chr13:54192128-54222432	3.2110	3.8251	0.2525	0.090370
Rgs14	chr13:55369731-55384687	45.6881	49.6237	0.1192	0.324145
Ankib1	chr5:3689999-3803109	29.6447	31.8674	0.1043	0.214284
Zfp111	chr7:24193946-24211443	0.1679	0.2646	0.6558	0.433572
Crtc3	chr7:80586626-80688877	6.1694	6.9074	0.1630	0.503754
Pdzd9	chr7:120659295-120670343	1.2758	2.0355	0.6740	0.343348
Sirt3	chr7:140863669-140882309	2.3323	3.2330	0.4711	0.485609
Tspan32os	chr7:142988968-143008033	15.6363	12.9083	-0.2766	0.633680
Ii18	chr9:50575272-50581837	1.6912	2.8810	0.7685	0.429737
Arih1	chr9:59388257-59486618	30.3695	32.6928	0.1064	0.325625
Pls1	chr9:95752641-95845311	0.1009	0.2256	1.1609	0.390202
Atf4	chr15:80255183-80257540	97.2135	105.8958	0.1234	0.439155
Traj17	chr14:54201774-54201837	31.6769	45.2584	0.5148	0.287109
Stambpl1	chr19:34192228-34240333	16.9071	15.6242	-0.1139	0.525635
Vti1a	chr19:55316350-55626561	13.9940	15.6500	0.1614	0.447245
Paqr8	chr1:20890621-20938755	4.1204	4.7139	0.1942	0.223622
Lancl1	chr1:67000516-67038872	7.3645	8.2846	0.1698	0.338121
NA	chr1:151344368-151344736	29.4687	24.0241	-0.2947	0.521398
Trmt1l	chr1:151428647-151458182	28.9897	26.9432	-0.1056	0.441122
Slamf6	chr1:171917536-171943868	86.7478	92.9511	0.0996	0.154348
Plcb2	chr2:118707516-118728438	24.4201	22.8092	-0.0985	0.592917
D3Erd254e	chr3:36159521-36170335	3.5903	3.2005	-0.1658	0.378553
Gm10704	chr3:88576244-88577208	8.1302	10.0284	0.3027	0.400759
Dnttip2	chr3:122274413-122285269	44.9731	41.8025	-0.1055	0.551362
Trim14	chr4:46494818-46536141	20.0802	18.0808	-0.1513	0.604838
Gm12808	chr4:109754413-109754817	2.3575	0.9214	-1.3554	0.510726
Ptprf	chr4:118208212-118291405	0.7707	0.6270	-0.2976	0.329843
Gm13213	chr4:133638209-133638683	2.1138	1.0661	-0.9875	0.307538
Ube4bos1	chr4:149347884-149365277	3.5591	2.9013	-0.2948	0.552337
Dffb	chr4:153964448-153975126	8.5058	7.4545	-0.1903	0.427714
Dnmt3aos	chr12:3859292-3862244	1.3962	0.7970	-0.8089	0.547840
Tmem116	chr5:121451892-121524183	1.2972	1.9166	0.5632	0.415078
D030047H15Rik	chr7:4126339-4136926	0.1348	0.3195	1.2446	0.337071
Ndr4	chr8:95676979-95715119	0.0787	0.1981	1.3307	0.380651
4930577N17Rik	chr3:51277570-51279805	1.1599	2.3691	1.0303	0.360763
Gm22716	chr5:110677123-110677230	5.1427	10.0368	0.9647	0.398153
Crif1	chr8:70493157-70504081	0.4995	0.2389	-1.0643	0.495988
Cd40lg	chrX:57212142-57224042	4.9366	3.9801	-0.3107	0.298968
BC147527	chr13:120308145-120308649	25.2448	29.8115	0.2399	0.303364
Gm15522	chr5:34650717-34652477	8.4479	6.8111	-0.3107	0.413199
Rnf141	chr7:110800431-110844457	3.7018	4.2397	0.1957	0.291370
Gm9755	chr8:67513999-67515606	0.8916	0.4776	-0.9006	0.508270
Sp1	chr15:102406142-102436404	34.8444	37.2837	0.0976	0.184595
2700099C18Rik	chr17:94750099-94775132	2.3510	3.0577	0.3792	0.452186
Bbip1	chr19:53929676-53944627	29.8775	32.5111	0.1219	0.149341
Hdac4	chr1:91932756-92148393	12.6139	11.3065	-0.1579	0.613967
Vamp4	chr1:162570514-162599084	8.5740	9.6209	0.1662	0.371761
Slc17a9	chr2:180725262-180742280	13.8279	12.5788	-0.1366	0.509801
Gm17135	chr5:143922576-143980991	1.8056	0.8696	-1.0541	0.395643
4632433K11Rik	chr7:50341117-5035246	2.4614	3.9385	0.6782	0.450732
Paqr5	chr9:61953480-62026856	0.1257	0.2541	1.0158	0.486006
Dgat1	chr15:76502014-76511951	10.8641	12.4071	0.1916	0.477693
Sec14l2	chr11:4097038-4123415	1.2394	0.9337	-0.4086	0.274920
Cct6b	chr11:82719249-82764321	0.6326	0.3053	-1.0512	0.364027
Syng12	chr11:117809667-117814283	41.2678	46.0175	0.1572	0.501575
Card14	chr11:119307767-119345375	2.1534	1.7372	-0.3099	0.506723
Chn2	chr6:54039553-54301810	3.1434	2.7570	-0.1892	0.395290
Rab43	chr6:87788852-87812164	15.3820	16.8957	0.1354	0.423834
Mmp21	chr7:133674269-133680061	0.9327	0.6424	-0.5381	0.405463
Mcoln1	chr8:3500456-3515232	10.0766	8.8709	-0.1838	0.611609

Amfr	chr8:93971587-94012663	55.2115	59.0591	0.0972	0.133911
P2ry10	chrX:107088491-107104974	95.1928	103.6339	0.1226	0.503301
Gm6472	chrX:152909503-152910155	18.9760	23.5392	0.3109	0.528824
Mkl1	chr15:81012280-81190757	13.0489	11.4921	-0.1833	0.702637
Rem2	chr14:54476099-54480431	2.0630	1.4935	-0.4661	0.570867
Lipa	chr19:34492317-34527474	35.5458	39.6144	0.1563	0.542055
Cdc73	chr1:143598796-143702893	3.8393	3.4063	-0.1726	0.624898
Soat1	chr1:156428107-156474328	24.4172	22.9486	-0.0895	0.484842
Slc9a8	chr2:167421711-167477000	10.1215	9.2844	-0.1245	0.616584
Gm12940	chr4:127033730-127049398	35.1035	32.3984	-0.1157	0.539584
Iffo2	chr4:139530547-139620382	10.2462	9.4950	-0.1099	0.445565
Dnah1	chr14:31260374-31323896	0.0611	0.1085	0.8294	0.173453
4933413G19Rik	chr6:128375455-128385144	0.1599	0.4187	1.3886	0.321557
Fgd6	chr10:94036000-94145339	2.1066	2.5590	0.2807	0.624298
Mir3062	chr11:68990573-68990678	23.9804	15.9729	-0.5862	0.536987
Slc16a11	chr11:70212751-70216417	0.7180	0.4294	-0.7418	0.559554
Nploc4	chr11:120380369-120437708	17.7018	16.4218	-0.1083	0.550546
Mfsd2b	chr12:4862439-4874359	0.6603	0.4653	-0.5049	0.558325
Mboat1	chr13:30136497-30246717	8.9869	8.0050	-0.1669	0.551592
Rbm48	chr5:3583977-3596585	10.3918	9.5196	-0.1265	0.100041
Crygn	chr5:24751002-24758008	2.6488	1.7196	-0.6233	0.245277
Pigg	chr5:108312608-108349355	4.3636	3.7245	-0.2285	0.607671
Oas2	chr5:120730332-120749853	2.6677	2.0825	-0.3573	0.645315
Zscan21	chr5:138116902-138134265	7.8704	7.1124	-0.1461	0.253627
Brca2	chr5:150522629-150569746	3.8842	3.4766	-0.1599	0.577720
Tmem168	chr6:13580686-13608100	16.9493	18.5472	0.1300	0.396629
Cct7	chr6:85451504-85468477	105.5889	98.9716	-0.0934	0.612713
Mrps25	chr6:92169524-92184033	17.9764	19.5640	0.1221	0.351114
Apobec1	chr6:122577791-122602444	11.8828	14.1091	0.2478	0.586385
Emg1	chr6:124704380-124712178	92.2309	102.0439	0.1459	0.507525
Zfp788	chr7:41633202-41651534	6.2029	7.0277	0.1801	0.351625
Il4i1	chr7:44816369-44840809	1.5587	1.9334	0.3108	0.368698
Chd2	chr7:73426690-73541746	48.7004	45.7875	-0.0890	0.633173
Fam160a2	chr7:105371210-105373718	2.0631	1.6015	-0.3654	0.440034
Mgmt	chr7:136894610-137128187	1.7090	1.0527	-0.6990	0.286876
Mns1	chr9:72438528-72458574	8.4884	9.9676	0.2317	0.354783
Nckipsd	chr9:108808379-108818366	2.3543	2.9386	0.3198	0.426500
Cdcp1	chr9:123170823-123216038	1.2615	1.5834	0.3279	0.549861
Slc25a53	chrX:136981115-137038302	1.7246	2.0246	0.2313	0.356099
Nadk2	chr15:9071259-9110487	6.1944	7.0303	0.1826	0.253857
Tab1	chr15:80133153-80161701	11.0786	12.4159	0.1644	0.324995
E430024P14Rik	chr17:7881105-7946426	11.0496	10.2378	-0.1101	0.404024
Pkd1	chr17:24549949-24596514	12.7408	11.7453	-0.1174	0.635734
Mpv17l	chr16:13903160-13949619	0.3351	0.1837	-0.8671	0.277118
Hira	chr16:18877036-18970309	9.9171	9.1382	-0.1180	0.461845
Rwdd2b	chr16:87433406-87440573	8.0121	7.0030	-0.1942	0.317039
Calhm2	chr19:47105352-47138294	8.6863	7.8886	-0.1390	0.435760
Rabgap1l	chr1:160219173-160792938	39.1321	43.1270	0.1402	0.573802
Nudt5	chr2:5845018-5871895	11.4972	10.4940	-0.1317	0.589263
Gm24342	chr2:10509583-10509687	7.9697	3.4113	-1.2242	0.303661
Rbm43	chr2:51924447-51935163	19.9891	22.4304	0.1662	0.474980
Cir1	chr2:73283104-73312701	1.5585	2.0495	0.3951	0.408048
Slc12a6	chr2:112265824-112363163	36.1899	34.2732	-0.0785	0.572215
Smox	chr2:131491495-131525922	3.8159	4.4772	0.2306	0.394894
Gm11476	chr2:167553313-167607845	0.7151	0.3915	-0.8689	0.428296
Rab22a	chr2:173659759-173707343	12.5757	11.8143	-0.0901	0.323868
Aph1a	chr3:95893968-95898288	3.5996	3.0164	-0.2550	0.447007
Ap4b1	chr3:103809519-103822025	14.3227	16.0917	0.1680	0.373654
NA	chr4:144972622-144974683	4.1071	3.4695	-0.2434	0.153417
Snord95	chr11:48803138-48803206	20.8551	34.4297	0.7233	0.265340
Gm3608	chr1:105455970-105458829	0.6123	0.9739	0.6697	0.420457
Gm22567	chr18:65427468-65427810	2.3975	3.8793	0.6943	0.275033
Mief2	chr11:60728397-60732951	8.1796	7.1038	-0.2034	0.595091
Malsu1	chr6:49073794-49086751	7.2145	8.2213	0.1885	0.317438
Nhlrc1	chr13:47012557-47014850	1.4417	0.8147	-0.8234	0.570141
Gm12183	chr11:48751759-48753770	7.8027	6.8848	-0.1806	0.203058
Gm26083	chr11:117077242-117077435	51.7855	62.4571	0.2703	0.473521
Gtpbp6	chr5:110103974-110108197	14.2405	12.9442	-0.1377	0.489778
BC065397	chrX:136741823-136803364	2.8710	2.4437	-0.2325	0.237301
E4f1	chr17:24443791-24455311	21.6486	20.0004	-0.1142	0.446298
Dus3l	chr17:56764750-56770092	17.1127	19.4553	0.1851	0.500864

Crem	chr18:3266047-3337748	4.5206	5.1082	0.1763	0.332731
Dpm1	chr2:168209047-168230591	7.0980	6.5423	-0.1176	0.425357
Impa1	chr3:10313539-10331439	28.1631	26.5832	-0.0833	0.261293
Dtnbos	chr12:3752542-3762146	0.3789	0.7441	0.9736	0.531508
Flywch2	chr17:23776915-23786081	0.9079	1.5714	0.7914	0.232071
Trib3	chr2:152337421-152344032	1.0983	0.7424	-0.5650	0.418400
Zfp386	chr12:116047723-116063360	10.0471	11.1573	0.1512	0.506139
Epb4.1	chr4:131923412-132075321	13.7861	13.0808	-0.0758	0.205529
Amz2	chr11:109425945-109452813	12.2169	11.4017	-0.0996	0.410791
Gm13012	chr4:137882369-137883937	15.1397	12.9171	-0.2291	0.479901
Pdia6	chr12:17266544-17284770	41.8972	45.4892	0.1187	0.416673
Ubl5	chr9:20642877-20647140	24.9133	27.8083	0.1586	0.532715
Ndufa11	chr17:56717761-56724248	9.1702	10.6037	0.2096	0.491383
Gm16907	chr13:63289600-63297147	33.4511	30.0755	-0.1535	0.657952
Plekha5	chr6:140424098-140594906	5.5661	6.4963	0.2229	0.586541
A330040F15Rik	chr19:12585867-12596566	2.0476	1.3223	-0.6309	0.431659
Ppm1f	chr16:16896468-16927364	18.2968	17.1246	-0.0955	0.444643
Rasgrp4	chr7:29134853-29153961	3.8019	3.3728	-0.1728	0.507670
Tm4sf20	chr1:82756648-82768461	0.6253	1.0158	0.6999	0.414509
Ccn1	chr3:65946150-65958249	52.5970	50.0860	-0.0706	0.495973
Prdm1	chr10:44437176-44528501	8.5790	11.2215	0.3874	0.491667
Evpl	chr11:116220558-116238077	0.2789	0.1620	-0.7834	0.359603
D5Ertd579e	chr5:36584787-36696024	8.2884	9.1035	0.1353	0.409652
Cacna1d	chr14:30039948-30491156	1.3520	1.6936	0.3250	0.594075
Nhlrc2	chr19:56548260-56598846	16.8335	15.3558	-0.1325	0.604818
E2f6	chr12:16810964-16826743	6.6637	7.7667	0.2210	0.360234
Bsn	chr9:108096022-108190384	0.6270	0.5173	-0.2775	0.543558
Ywhaq	chr12:21390070-21417637	12.3145	14.3044	0.2161	0.568734
Zfp568	chr7:29983954-30028282	5.4021	4.9366	-0.1300	0.437299
Cox7a1	chr7:30184170-30186028	2.3712	1.0267	-1.2075	0.499646
Map3k5	chr10:19934471-20142753	25.3472	27.4987	0.1175	0.395946
Fbrs	chr7:127485220-127491513	10.6879	9.3837	-0.1877	0.571781
Khynyn	chr14:55884968-55896781	49.7466	46.5643	-0.0954	0.628855
Mars	chr10:127296220-127311786	23.7685	21.9459	-0.1151	0.571102
Gpr89	chr3:96868280-96905346	6.1576	5.5764	-0.1430	0.452592
Pgm2	chr4:99929413-99987294	18.9023	20.8815	0.1437	0.401019
Xylb	chr9:119357380-119393797	0.4840	0.2580	-0.9078	0.385868
Gm11977	chr11:6781677-6783138	0.2597	0.5803	1.1602	0.371308
Gemin5	chr11:58120001-58168539	13.2073	12.2317	-0.1107	0.545704
lft122	chr6:115853469-115926699	1.1454	0.9469	-0.2745	0.414837
Adck5	chr15:76576357-76595816	10.3470	11.5481	0.1584	0.286140
Syne4	chr7:30314806-30319046	1.1683	0.7391	-0.6605	0.508649
Eva1b	chr4:126147743-126149875	14.6629	16.7304	0.1903	0.457940
Gm16150	chr1:38235419-38246666	2.6741	1.7360	-0.6233	0.352492
Mir671	chr5:24592113-24592211	13.1718	6.8772	-0.9375	0.575122
1810011H11Rik	chr14:32785962-32817968	2.4601	3.4250	0.4774	0.546078
Top1	chr2:160645887-160722764	16.8677	15.7518	-0.0987	0.598880
Amot	chrX:145446424-145505181	0.1622	0.0798	-1.0235	0.415269
Actg1	chr11:120345689-120348542	11.8595	13.1881	0.1532	0.157135
Gm27031	chr13:95954593-95957171	0.5647	0.2859	-0.9816	0.451046
Pfkfb1	chrX:150588228-150643878	1.8237	1.4982	-0.2837	0.340743
Trappc2	chrX:166440573-166453140	2.0274	1.5886	-0.3518	0.526631
Hnrnpa1	chr15:103240431-103244955	8.4081	9.7301	0.2107	0.290328
Gm20468	chr17:26861442-26897886	2.2421	0.9630	-1.2193	0.502981
Zap70	chr1:36761860-36782816	126.6608	137.2268	0.1156	0.478361
Carf	chr1:60098246-60151032	4.6250	3.7560	-0.3002	0.680137
lth5	chr2:10153570-10256529	15.8338	14.7671	-0.1006	0.535953
Gm26594	chr3:95855965-95861485	0.8906	0.4450	-1.0011	0.422582
Limk2	chr11:3344255-3409189	21.6338	20.3322	-0.0895	0.540874
Gm11346	chr13:24597612-24604925	15.1806	13.6358	-0.1548	0.571582
Secisbp2	chr13:51651696-51684044	18.2582	17.0688	-0.0972	0.452267
Tmem136	chr9:43108652-43116570	0.6877	0.4863	-0.4999	0.322513
Fndc8	chr11:82892123-82900801	0.1874	0.4136	1.1422	0.318149
Rpl21-ps4	chr14:11227551-11227992	2.6185	1.4840	-0.8193	0.442162
Vamp3	chr4:151047299-151057963	14.2000	15.7471	0.1492	0.281261
Gm5637	chrX:60045110-60046229	1.4360	2.1488	0.5814	0.360632
Bloc1s6os	chr2:122733289-122738362	1.4420	2.8323	0.9739	0.469262
Bcl2l13	chr6:120836229-120892842	8.7279	8.0383	-0.1187	0.538130
Ube2s	chr7:4808154-4812351	8.8546	10.9213	0.3026	0.437497
Zfp128	chr7:12881176-12893422	3.3936	2.9697	-0.1925	0.233467
Gm16183	chr8:84611201-84617184	0.5834	1.0848	0.8950	0.438109

Ddx46	chr13:55635026-55681256	37.0198	35.1963	-0.0729	0.413677
Zfp746	chr6:48062394-48086593	16.8663	18.4986	0.1333	0.323446
Tmprss9	chr10:80879719-80899441	0.3801	0.6415	0.7552	0.536665
Spag7	chr11:70663770-70669416	20.9892	23.5366	0.1653	0.308782
Upf2	chr2:5951468-6056703	17.7110	16.4934	-0.1028	0.558146
Pgs1	chr11:117986291-118024011	13.4635	12.4042	-0.1182	0.563628
Adamts6	chr13:104287872-104494763	31.7283	29.4477	-0.1076	0.608908
Trib1	chr15:59648349-59656550	5.9079	6.6413	0.1688	0.401595
St6gal1	chr16:23224739-23360350	55.2238	52.7135	-0.0671	0.439361
Cdk17	chr10:93160875-93241342	84.9724	91.1391	0.1011	0.347330
Art2b	chr7:101578859-101581161	57.0279	52.2623	-0.1259	0.529028
Dnm2	chr9:21424907-21507759	52.3963	49.1684	-0.0917	0.626394
Tes	chr6:17065148-17105828	60.5053	65.4168	0.1126	0.425449
Polg	chr7:79448790-79466362	29.1650	27.5749	-0.0809	0.561319
Pdpr	chr8:111094629-111137074	15.7335	17.1886	0.1276	0.342985
Dgcr8	chr16:18253947-18289249	15.0000	14.1065	-0.0886	0.477800
Psm7	chr2:180036372-180042433	46.8462	52.2475	0.1574	0.567120
Mtfl1	chr4:124802103-124849800	4.6828	4.2601	-0.1365	0.550134
Med11	chr11:70451918-70453727	31.6443	37.0110	0.2260	0.578947
Gm22489	chr1:161035849-161035911	144.6345	119.8061	-0.2717	0.483067
Ccnb2-ps	chr8:71916555-71918851	2.9324	3.7577	0.3578	0.419467
Nip7	chr8:107056876-107060926	20.7744	18.8250	-0.1422	0.620085
Gm16200	chr9:90221294-90221625	1.6396	3.0705	0.9051	0.237622
Akap10	chr11:61871306-61930252	12.7124	11.9418	-0.0902	0.435334
Atrip	chr9:109057932-109074124	17.0341	18.7728	0.1402	0.478353
Tmem70	chr1:16665206-16678275	16.0005	14.5064	-0.1414	0.388673
Sptssa	chr12:54645373-54656572	27.5212	31.1681	0.1795	0.475966
Etv6	chr6:134035699-134270158	8.2220	9.1878	0.1602	0.475977
Ppp1r12b	chr1:134754657-134955942	2.5499	2.3190	-0.1370	0.413527
Uck1	chr2:32255001-32260159	9.9860	8.8363	-0.1765	0.537333
Zbtb40	chr4:136979731-137048801	4.7379	4.3409	-0.1263	0.539478
Sptlc2	chr12:87305057-87388355	15.1552	16.3874	0.1128	0.325296
Mxd3	chr13:55325167-55329758	15.3343	17.3883	0.1814	0.492679
Ankrd49	chr9:14780208-14782964	18.0921	20.8488	0.2046	0.526500
Gm16574	chr17:12818792-12819537	1.4401	0.8061	-0.8370	0.370387
Slc31a1	chr4:62360726-62391769	3.5622	3.1297	-0.1868	0.348114
Oxld1	chr11:120456605-120458068	4.6190	6.1325	0.4089	0.394507
Gm15342	chr16:96036089-96038743	4.3605	5.5093	0.3374	0.551691
Cntn1	chr15:92051164-92341967	0.0635	0.1436	1.1774	0.478717
Tomm5	chr4:45105207-45108114	14.9811	12.4334	-0.2689	0.558042
Snord100	chr10:23785749-23785823	46.2691	61.5344	0.4113	0.509193
Illdr1	chr16:36693977-36726804	2.0592	2.4692	0.2620	0.341031
Atad1	chr19:32672562-32712298	49.4943	54.6767	0.1437	0.535664
Gm23119	chr18:74778560-74778700	60.1424	50.0701	-0.2644	0.319555
E2f1	chr2:154559406-154569892	1.9440	2.4377	0.3265	0.340847
Gm3235	chr8:91621447-91629729	1.2978	0.6006	-1.1115	0.354401
Trmu	chr15:85879311-85897394	6.7457	6.0441	-0.1584	0.490687
Ppp2r5d	chr17:46682990-46705002	39.2321	36.9160	-0.0878	0.523413
Atxn7l1os2	chr12:33358242-33394760	3.4724	2.8371	-0.2915	0.429320
Gm26508	chr11:119077572-119081865	18.3729	16.2682	-0.1755	0.579062
Wbscr16	chr5:134148053-134176774	5.9581	5.2087	-0.1939	0.475424
Dennd6a	chr14:26579577-26633394	14.6116	13.4958	-0.1146	0.603828
Adcy9	chr16:4287528-4420498	0.8575	0.6695	-0.3571	0.364439
Hsf2	chr10:57486384-57513133	7.4348	8.8411	0.2499	0.616899
Gm12185	chr11:48904655-48992226	5.0376	4.4353	-0.1837	0.598345
Gpr179	chr11:97332108-97352077	0.3116	0.2180	-0.5151	0.531472
Hap1	chr11:100347326-100356128	0.8830	0.6585	-0.4233	0.376444
Cenpo	chr12:4196003-4234294	6.5236	7.2810	0.1585	0.468229
Pigh	chr12:79080672-79089670	11.7876	13.7426	0.2214	0.554608
Brf1	chr12:112959861-113000621	29.8691	27.7644	-0.1054	0.570418
Myliip	chr13:45389741-45412019	16.2468	17.9756	0.1459	0.375541
Mapre3	chr5:30814640-30866106	0.8978	1.2134	0.4346	0.426340
Haus3	chr5:34153920-34169445	38.0678	41.9337	0.1395	0.477257
NA	chr5:105824510-105832434	0.5672	0.3610	-0.6518	0.380900
Gm13856	chr6:34151928-34174235	2.6161	1.9022	-0.4598	0.525968
Gimap8	chr6:48647233-48660875	220.9121	212.0636	-0.0590	0.459251
Nfu1	chr6:87009235-87028461	10.2482	11.8483	0.2093	0.466068
Bcat1	chr6:144993834-145076184	4.1388	3.5917	-0.2046	0.647998
Abhd2	chr7:79273200-79365508	27.7759	26.6434	-0.0601	0.324298
Rps15a	chr7:118104377-118116186	39.4281	46.7717	0.2464	0.488759
R74862	chr7:143021783-143053686	2.6755	3.1881	0.2529	0.373384

Zfp558	chr9:18455574-18478268	1.4451	1.1233	-0.3634	0.461815
Alg9	chr9:50775018-50843542	6.3997	7.1762	0.1652	0.199885
Atp1b3	chr9:96332679-96364299	206.2548	196.4905	-0.0700	0.550413
Nmnat3	chr9:98287434-98420527	2.0379	2.4343	0.2564	0.424700
Wdr82	chr9:106170928-106191706	81.0596	77.1577	-0.0712	0.517018
Rpl36a	chrX:134585653-134588062	7.4002	6.1159	-0.2750	0.595695
Gprasp1	chrX:135742732-135803474	11.0470	10.3353	-0.0961	0.513844
Ly6d	chr15:74762055-74763567	3.0367	1.7337	-0.8086	0.571971
Tuba1a	chr15:98949840-98953551	20.4542	23.3199	0.1892	0.509587
Tinf2	chr14:55679082-55681817	23.8626	27.4196	0.2005	0.535896
Gm16549	chr14:72589751-72603367	3.2993	4.8372	0.5520	0.448679
4930506C21Rik	chr17:8293365-8311080	1.7670	1.3255	-0.4147	0.322384
Dhx16	chr17:35879818-35892670	36.1746	34.0406	-0.0877	0.579006
Gm15538	chr16:3926427-3926740	6.2433	3.3620	-0.8930	0.602466
Gm24616	chr16:23111616-23111755	100.8729	85.9884	-0.2303	0.525894
Ighmbp2	chr19:3260923-3283017	7.5785	6.9227	-0.1306	0.334722
Ptar1	chr19:23687399-23721129	13.2660	14.8948	0.1671	0.264648
Rnf152	chr1:105276916-105356710	0.1415	0.0678	-1.0613	0.536371
Cenpl	chr1:161070766-161086724	2.4727	3.0333	0.2948	0.504993
Mbd1	chr18:74268271-74282685	27.9015	30.5546	0.1310	0.398400
Mettl15	chr2:109092296-109280748	1.6706	3.1667	0.9226	0.191547
Gm26003	chr2:158358359-158358472	9.5497	5.7449	-0.7332	0.211487
B430305J03Rik	chr3:61362249-61365951	6.6394	5.8632	-0.1794	0.537113
Pdcd10	chr3:75516489-75556856	10.2243	11.9010	0.2191	0.564881
6330416G13Rik	chr4:63558780-63586357	9.7766	8.7683	-0.1570	0.599921
Rnf220	chr4:117271462-117497052	12.6820	11.7651	-0.1083	0.596287
Zswim7	chr11:62267223-62281375	4.4977	6.4075	0.5106	0.458916
Tspan9	chr6:127961395-128143594	0.2214	0.3761	0.7646	0.334783
Proscos	chr8:27042376-27043042	0.5451	1.2148	1.1560	0.304704
Tmem163	chr1:127486545-127678096	0.5995	0.9471	0.6597	0.270954
Gm371	chrX:94997438-94998683	0.6767	0.3043	-1.1530	0.489668
Prf1	chr10:61297835-61304263	2.3179	2.9330	0.3396	0.349742
Tlr13	chrX:106143203-106160493	0.2531	0.1183	-1.0969	0.459874
Timm23	chr14:32180161-32201898	5.2076	6.2904	0.2725	0.424363
Nln	chr13:104023438-104109614	5.9881	5.3636	-0.1589	0.462135
Ccdc102a	chr8:94902868-94918098	1.2533	0.8825	-0.5060	0.491589
Rps4x	chrX:102184940-102189394	103.2630	124.1115	0.2653	0.476887
Rnf168	chr16:32277458-32301434	15.0370	16.4459	0.1292	0.365091
Cbr1	chr16:93607836-93610505	16.0593	14.2789	-0.1695	0.412358
Ttpal	chr2:163602313-163619013	25.1041	27.0812	0.1094	0.300573
Fndc3b	chr3:27416161-27710439	0.6042	0.4441	-0.4444	0.597428
Alkbh5	chr11:605336380-60558512	17.0389	18.4414	0.1141	0.307342
Tnip2	chr5:34496086-34513997	11.7783	11.7783	0.1622	0.378083
Rtel1	chr2:181319738-181356616	17.2667	16.2723	-0.0856	0.503299
Map3k9	chr12:81714949-81781170	0.1819	0.2663	0.5497	0.386458
Slc35a3	chr3:116669468-116712831	8.5960	8.0741	-0.0904	0.398598
Nt5dc3	chr10:86779004-86838389	4.9128	4.3546	-0.1740	0.599013
Lias	chr5:65391496-65410693	7.3502	6.7525	-0.1224	0.314078
Got2	chr8:95864133-95888547	18.2442	20.2051	0.1473	0.418880
Tma7	chr9:109077987-109082381	20.9591	24.5806	0.2299	0.396828
Hmox2	chr16:4726360-4766742	29.0041	32.0124	0.1424	0.437317
Ttc9c	chr19:8809074-8819333	20.3000	19.0952	-0.0883	0.298658
2310058D17Rik	chr11:58965747-58978050	3.1172	3.7241	0.2567	0.445480
2810029C07Rik	chr12:111572320-111574402	1.3290	0.9690	-0.4559	0.226405
Ift88	chr14:57424061-57517936	1.8236	1.5427	-0.2414	0.228572
Cnnm4	chr1:36471619-36508764	3.6475	4.1965	0.2023	0.354540
Arl5c	chr11:97989577-97996181	51.3286	48.6254	-0.0781	0.363490
Lgals8	chr13:12439414-12464944	28.5570	26.7225	-0.0958	0.571540
Zfp239	chr6:117862099-117873291	1.1885	1.4952	0.3312	0.316156
Gm25447	chr17:31059603-31059731	10.9546	5.5903	-0.9705	0.404812
Gm16618	chr16:20511132-20517766	2.8435	2.0653	-0.4613	0.323226
Rcor2	chr19:7267324-7275225	0.6500	0.4243	-0.6154	0.476818
Slc25a5	chrX:36795650-36798807	72.8222	80.5225	0.1450	0.558584
Gm26896	chr10:81606367-81609791	2.9705	3.6031	0.2786	0.298478
Ezh1	chr11:101191114-101226463	16.6769	15.5816	-0.0980	0.618087
1110007C09Rik	chr13:49202950-49216026	13.6812	16.8893	0.3039	0.589375
Skap2	chr6:51859165-52012549	7.9283	9.2548	0.2232	0.331850
Tmc3	chr7:83584926-83625614	2.2427	2.0099	-0.1581	0.314488
Maged1	chrX:94535473-94542143	0.8076	1.0832	0.4236	0.505075
Gm10863	chr15:79166040-79227524	4.6933	5.8045	0.3066	0.479404
Slc41a1	chr1:131827492-131848865	20.8516	19.3819	-0.1055	0.599944

E130215H24Rik	chr2:150667493-150668935	6.3907	5.0330	-0.3445	0.481428
Fgf2	chr3:37312518-37405377	2.3097	3.2890	0.5100	0.450178
Gm20634	chr3:96245553-96248509	0.7760	1.0817	0.4793	0.439002
Terc	chr3:96414436-96414859	49.2491	57.6282	0.2267	0.519000
Gm10532	chr18:75514644-75522806	0.1537	0.3136	1.0287	0.184469
Katna1	chr10:7725999-7763150	32.5185	35.6511	0.1327	0.413925
Tspyl4	chr10:34297420-34301308	12.7737	14.0869	0.1412	0.386787
Ube2g2	chr10:77622274-77645993	14.4149	16.3312	0.1801	0.498443
Zfp692	chr11:58307068-58314627	19.0408	17.5251	-0.1197	0.343565
Ctc1	chr11:69015910-69036473	4.7042	4.2108	-0.1598	0.583834
Gm11583	chr11:97160989-97161675	55.3615	49.8507	-0.1513	0.385316
Tmem101	chr11:102152545-102156404	5.9061	7.0654	0.2586	0.474955
Prkar1a	chr11:109649404-109669656	66.3940	71.4111	0.1051	0.452533
Slc9a3r1	chr11:115163340-115181181	82.8502	89.4212	0.1101	0.432545
Rptor	chr11:119602904-119899576	4.6852	4.3710	-0.1002	0.457867
Brms1l	chr12:55836365-55869735	12.5475	11.5069	-0.1249	0.329760
Ift172	chr5:31253279-31291114	3.4891	3.0693	-0.1849	0.482953
Mir25	chr5:138165320-138165404	6.7815	12.2405	0.8520	0.215164
Pan3	chr5:147430160-147548502	32.4155	31.1022	-0.0597	0.228626
Ssbp1	chr6:40471351-40481823	8.4950	7.6748	-0.1465	0.405183
Zfp467	chr6:48427696-48445825	3.4050	3.9758	0.2236	0.415454
Rnf103	chr6:71493893-71525020	7.9136	8.7867	0.1510	0.314744
Kbtbd8	chr6:95117239-95129718	5.6204	4.9406	-0.1860	0.587853
Cdkn1b	chr6:134920400-134925513	63.1376	67.1390	0.0887	0.122055
Gpr4	chr7:19212537-19224176	1.0117	1.3325	0.3974	0.220018
G630030J09Rik	chr7:31149527-31152707	3.9558	3.3110	-0.2567	0.426267
Rps11	chr7:45122387-45124389	663.5979	728.6330	0.1349	0.598354
Lamp1	chr8:13159134-13175338	76.4814	72.6012	-0.0751	0.507596
Gm17491	chr8:22480290-22483330	13.0858	11.7286	-0.1580	0.569215
Prosc	chr8:27042554-27056131	11.5451	10.7575	-0.1019	0.392210
Gm25813	chr8:52336914-52337105	3.6220	5.9542	0.7171	0.416872
Zfp930	chr8:69226342-69228980	19.6676	17.4874	-0.1695	0.569446
Gipc1	chr8:83652677-83664788	17.6086	20.4889	0.2186	0.592749
Gm16124	chr9:53667245-53681265	4.7171	7.3262	0.6352	0.432404
Gorasp1	chr9:119925672-119937558	7.4745	6.7038	-0.1570	0.542173
Ccdc22	chrX:7593808-7605517	12.7145	11.7867	-0.1093	0.322981
Pqbp1	chrX:7894518-7899269	42.6511	47.1621	0.1450	0.487420
Upf3b	chrX:37091677-37110322	12.3445	13.7412	0.1546	0.457308
Dlg3	chrX:100767721-100818410	4.9121	4.4412	-0.1454	0.475700
Wnk3	chrX:151198139-151320152	0.4379	0.3317	-0.4006	0.502320
Siah1b	chrX:164070704-164076493	2.0827	2.6642	0.3553	0.346938
Lrp12	chr15:39870602-39943994	1.2362	1.5832	0.3569	0.477813
Arhgap39	chr15:76723984-76818170	3.9061	3.4149	-0.1939	0.641431
CommD5	chr15:76899909-76901305	10.0537	12.7659	0.3446	0.576927
Pacsin2	chr15:83375606-83464606	11.7066	12.9178	0.1420	0.365925
Csrnp2	chr15:100479569-100495239	3.7385	3.2355	-0.2085	0.538917
NA	chr17:21966174-21968272	3.9772	3.1729	-0.3259	0.603068
Arhgdig	chr17:26196225-26207786	0.5382	0.3306	-0.7030	0.260375
Tbc1d22bos	chr17:29578815-29596305	1.9235	2.6369	0.4551	0.537549
H2-Q6	chr17:35424849-35430055	130.6979	141.4184	0.1137	0.494664
Enpp5	chr17:44078812-44086567	3.3873	3.9213	0.2112	0.436010
Ccdc94	chr17:55959186-55967949	12.5364	14.3219	0.1921	0.243091
Yars2	chr16:16302964-16309640	9.3640	7.8707	-0.2506	0.658040
Ganab	chr19:8898089-8916663	53.2771	50.8379	-0.0676	0.490660
Incenp	chr19:9872296-9899533	20.8733	23.2371	0.1548	0.532802
1110059E24Rik	chr19:21581201-21652976	7.2716	8.4969	0.2247	0.492476
Fbxl15	chr19:46328183-46330446	3.9820	4.9862	0.3244	0.374817
Dnpep	chr1:75307895-75317637	14.2100	15.8390	0.1566	0.392255
Mdm4	chr1:132989844-133025366	43.1116	40.1592	-0.1023	0.627745
Epc1	chr18:6435950-6516108	30.1373	32.4595	0.1071	0.323617
Gm26538	chr18:34796894-34803484	3.6162	3.1573	-0.1958	0.338781
Gnpda1	chr18:38327557-38339003	10.3559	9.3094	-0.1537	0.455680
Cd226	chr18:89197430-89270201	49.1000	53.9158	0.1350	0.549787
Celf2	chr2:6539693-7509563	12.8819	12.2051	-0.0779	0.617012
Ssfa2	chr2:79635351-79672966	6.6783	5.9661	-0.1627	0.608177
Ddb2	chr2:91211571-91236982	42.1956	39.9303	-0.0796	0.431276
Cdan1	chr2:120716153-120850128	5.8563	6.4321	0.1353	0.412245
Pcif1	chr2:164879303-164894454	25.5717	24.1264	-0.0839	0.572963
Nmd3	chr3:69721984-69749042	19.4582	17.9229	-0.1186	0.520518
4930579G24Rik	chr3:79629078-79632817	4.2026	4.9612	0.2394	0.022747
Fhdc1	chr3:84444034-84480429	3.7710	4.4051	0.2242	0.479741

Celsr2	chr3:108390850-108415552	0.2475	0.3235	0.3868	0.197893
Dbt	chr3:116513069-116549976	6.9873	8.1731	0.2261	0.491951
Smc2	chr4:52439242-52488260	30.0550	33.1109	0.1397	0.575884
Dmap1	chr4:117674680-117682273	14.6357	13.5649	-0.1096	0.180001
Eno1	chr4:150236720-150248879	13.7548	15.1291	0.1374	0.488212
NA	chr12:69361184-69361481	1.4380	3.0655	1.0921	0.329488
Calr3	chr8:72424175-72443870	0.5056	0.2456	-1.0416	0.444368
Glra4	chrX:136757673-136780141	0.7635	0.4260	-0.8418	0.504156
Ankrd33b	chr15:31291478-31367759	0.1088	0.0516	-1.0756	0.424607
5031414D18Rik	chr14:75016026-75052532	0.7511	0.4502	-0.7385	0.482535
Gm15971	chr16:94620376-94620587	10.5250	5.8763	-0.8408	0.471642
Gm26685	chr1:164503306-164514882	0.3375	0.6815	1.0137	0.391948
Vash2	chr1:190947647-190979296	0.4075	0.6570	0.6891	0.421386
Ldlrad3	chr2:101950202-102186385	0.0675	0.1431	1.0851	0.287984
Camk2a	chr18:60925617-60988152	0.0802	0.1620	1.0141	0.391470
Gm15417	chr3:89391849-89398779	1.4348	2.2024	0.6183	0.351510
Slc25a18	chr6:120773767-120793982	2.3971	1.4728	-0.7027	0.643348
Catsperg1	chr7:29181320-29214035	0.1368	0.0637	-1.1033	0.532924
Traj35	chr14:54183773-54183838	10.4787	20.6555	0.9791	0.371351
Gm10309	chr17:86497731-86505232	0.6795	0.3200	-1.0865	0.582170
Cd28	chr1:60716799-60773359	78.3570	74.8882	-0.0653	0.543270
Gm16153	chr10:4409032-4423369	1.8460	1.5347	-0.2665	0.402735
Cenpv	chr11:62524945-62539261	3.1851	3.9460	0.3090	0.392413
Ccdc127	chr13:74350308-74365783	5.5145	6.1117	1.0483	0.451853
Mecp2	chrX:74026591-74135363	7.7447	8.5249	0.1385	0.495659
Tsr2	chrX:151087093-151096543	5.7588	6.6346	0.2043	0.485013
Cpq	chr15:33083128-33594552	3.6669	2.8292	-0.3741	0.557682
Usp54	chr14:20548911-20618354	2.0169	2.3310	0.2088	0.445285
Kremen2	chr17:23741199-23745829	2.0336	2.6719	0.3938	0.403461
Crim1	chr17:78200247-78376592	8.9232	8.2496	-0.1132	0.511420
Mir3068	chr12:87437681-87437817	12.6420	7.4735	-0.7584	0.494180
Rps6-ps1	chr15:76337615-76338365	1.2335	0.7302	-0.7563	0.257679
Noa1	chr5:77294181-77310084	6.3886	5.7783	-0.1449	0.410613
Fhl2	chr1:43123073-43163961	2.9377	3.7233	0.3419	0.382911
Stk11ip	chr1:75521528-75537335	6.5945	5.9019	-0.1601	0.636219
Crk	chr11:75679258-75706908	20.3876	21.9851	0.1088	0.199024
Klc3	chr7:19394436-19404104	9.9701	8.7783	-0.1837	0.577858
Gm12265	chr11:60240809-60241930	6.0742	4.3342	-0.4869	0.536248
Neto2	chr8:85636587-85690973	1.7846	1.3914	-0.3590	0.661671
Cox8a	chr19:7215157-7217616	106.7753	122.3140	0.1960	0.600697
Stxbp5	chr10:9755546-9901079	8.3646	7.9150	-0.0797	0.431749
Gtf3c6	chr10:40249202-40257665	16.3693	19.4678	0.2501	0.533621
Chst3	chr10:60181531-60219260	0.6480	0.4963	-0.3848	0.495574
Krt222	chr11:99232760-99244085	1.4584	1.8077	0.3097	0.229669
Scamp1	chr13:94201309-94285857	0.6729	1.0294	0.6134	0.555860
A430078I02Rik	chr6:86470804-86480830	1.2668	0.9219	-0.4585	0.382713
Rps9	chr7:3703992-3706901	184.6586	204.1570	0.1448	0.613683
Cxx1b	chrX:53669177-53670408	3.8989	2.9262	-0.4140	0.544527
Traj21	chr14:54198789-54198846	257.3631	225.3719	-0.1915	0.429355
Psme1	chr14:55578122-55581529	129.9959	139.7443	0.1043	0.433092
Tex30	chr1:44086612-44102441	8.4292	9.9431	0.2383	0.465584
Gm26287	chr1:59704257-59704338	17.9883	8.6202	-1.0613	0.392738
Hey1	chr3:8663361-8667039	0.7341	0.4247	-0.7894	0.409934
Dennd4c	chr4:86748554-86850603	8.2415	8.9636	0.1212	0.264989
AU040320	chr4:126753543-126870070	12.8204	11.9270	-0.1042	0.582779
Med18	chr4:132458730-132463921	8.3500	7.0804	-0.2379	0.621963
Gm15712	chr16:43184572-43185728	1.0511	1.7811	0.7609	0.479518
Mthfd2l	chr5:90931195-91021360	0.6670	0.9913	0.5715	0.536757
Rab10os	chr12:3235503-3250377	12.9294	12.0848	-0.0975	0.498368
Dnajb6	chr5:29735687-29786478	5.8305	5.3083	-0.1354	0.506983
Rfc5	chr5:117378102-117389047	12.8597	11.9931	-0.1007	0.446647
Trbv14	chr6:41135166-41135609	9.8636	12.7525	0.3706	0.257977
Tceb1	chr1:16642765-16656865	30.6848	34.9156	0.1864	0.504814
Cul2	chr18:3382987-3436377	13.7930	12.8216	-0.1054	0.468785
Rpa2	chr4:132768331-132778752	18.6641	17.3142	-0.1083	0.524490
Gstm4	chr3:108040407-108044894	1.0781	1.6342	0.6001	0.397511
Rpsa	chr9:120127765-120132369	17.7417	16.1346	-0.1370	0.480897
Loxl3	chr6:83034172-83052562	2.5989	3.1225	0.2648	0.499098
Spata5l1	chr2:122630624-122632930	8.4118	7.2496	-0.2145	0.483948
Zc3h12d	chr10:7832469-7870397	42.0217	45.4435	0.1129	0.476539
Gm11970	chr11:6446217-6446537	6.7380	4.7254	-0.5119	0.313429

Mrpl12	chr11:120484612-120489065	20.5889	18.2980	-0.1702	0.586828
Slc35d2	chr13:64096309-64129330	10.3116	11.6779	0.1795	0.422335
Nudt9	chr5:104046305-104065379	16.2621	14.7900	-0.1369	0.570014
Idua	chr5:108660330-108684557	5.0333	5.8615	0.2198	0.530538
Rasgef1a	chr6:118066384-118091546	3.9008	3.2454	-0.2654	0.594211
Sbsn	chr7:30734738-30756134	0.7791	0.5001	-0.6394	0.529643
Dgat2	chr7:99153662-99182713	1.9755	2.4622	0.3177	0.208577
Ifitm10	chr7:142325836-142373753	0.3747	0.2449	-0.6134	0.367748
NA	chr7:143634805-143636585	2.3586	1.7853	-0.4018	0.543067
Nfatc3	chr8:106059602-106130537	39.8509	38.0037	-0.0685	0.533924
Gm5617	chr9:48495344-48495964	4.4628	5.9168	0.4069	0.387243
Trcg1	chr9:57236555-57249863	0.4621	0.7533	0.7049	0.425832
Gm6206	chrX:103162893-103165427	1.3707	1.9053	0.4750	0.527303
Ncald	chr15:37366174-37792570	0.1087	0.1906	0.8096	0.411320
Oxr1	chr15:41447481-41861048	23.0468	24.8535	0.1089	0.336770
9330154K18Rik	chr15:57717803-57738666	2.3697	1.9284	-0.2973	0.599604
Baiap2l2	chr15:79258194-79285537	0.3321	0.1584	-1.0680	0.474209
Gpd1	chr15:99717514-99725005	0.4619	0.2548	-0.8583	0.575876
H2-Q5	chr17:35394125-35397800	40.7484	45.3652	0.1548	0.532004
Camkmt	chr17:85090725-85458139	3.5296	2.6882	-0.3929	0.342139
1300002E11Rik	chr16:21794346-21809037	5.8741	5.0939	-0.2056	0.627862
Arl2	chr19:6134373-6141406	2.9503	3.5336	0.2603	0.359015
Fbn2	chr18:58008622-58209926	0.2300	0.1237	-0.8940	0.612982
Mppe1	chr18:67225529-67245830	37.6250	40.8648	0.1192	0.337287
Zfp236	chr18:82593592-82692883	16.5089	15.6535	-0.0768	0.558677
Inpp5e	chr2:26396248-26409203	18.3293	17.1170	-0.0987	0.539498
Acvr2a	chr2:48814108-48903269	4.7311	4.1050	-0.2048	0.667695
Gytl1b	chr2:92365045-92374869	0.1153	0.2271	0.9783	0.473674
Dnajc24	chr2:105966708-106003549	9.2582	8.0111	-0.2087	0.447506
Serf2	chr2:121449194-121458313	21.6423	20.3690	-0.0875	0.536264
Cct3	chr3:88297115-88321767	65.2272	60.5123	-0.1082	0.682965
Kdm4a	chr4:118136956-118180043	35.0528	32.9512	-0.0892	0.631775
Gm13091	chr4:150566868-150568544	12.2584	9.6654	-0.3429	0.515539
Tac4	chr11:95261528-95269265	1.3574	2.1603	0.6704	0.414686
2510016G02Rik	chr7:132889488-132931375	1.5569	0.9140	-0.7684	0.553705
Creb3l4	chr3:90237499-90243512	0.5668	0.2740	-1.0485	0.493669
Rad9a	chr19:4195197-4201603	50.4698	54.1478	0.1015	0.089940
Gm16086	chr12:107079359-107099673	2.5504	4.4625	0.8071	0.580841
Cog5	chr12:31654868-31937630	34.3333	37.2728	0.1185	0.384812
Fam96a	chr9:66126610-66138955	35.1070	39.7117	0.1778	0.561718
Tnfai2	chr3:95139520-95142360	79.5581	85.7983	0.1089	0.218308
Sox15	chr11:69655313-69656727	1.2658	0.7097	-0.8346	0.454240
1600002K03Rik	chr10:80172943-80175146	11.7323	8.4527	-0.4730	0.638735
Rps26	chr10:128624529-128626506	572.5020	678.7982	0.2457	0.486673
Ncapg2	chr12:116405401-116463531	12.1352	13.3654	0.1393	0.537726
Dhx15	chr5:52150208-52190519	160.4699	153.0227	-0.0686	0.585946
Tmed5	chr5:108106365-108132620	14.9722	16.2169	0.1152	0.416481
Zdhhc4	chr5:143316488-143329256	12.3679	11.3887	-0.1190	0.372148
Lancl2	chr6:57702600-57739438	5.0521	5.9836	0.2441	0.485418
Kdm3a	chr6:71588973-71632905	30.0363	28.5857	-0.0714	0.437003
Exoc6b	chr6:84618486-85069513	3.4295	3.8183	0.1549	0.405236
Bola2	chr7:126695400-126697058	24.6058	27.8526	0.1788	0.543504
Slc25a14	chrX:48623412-48662294	4.2455	3.5490	-0.2585	0.524735
Traj37	chr14:54181517-54181577	124.0931	102.6777	-0.2733	0.406493
Dynlt1f	chr17:6648940-6655939	3.1422	4.5847	0.5450	0.527089
Plcx2	chr16:45959262-46010218	15.3174	14.3789	-0.0912	0.572593
Rnf125	chr18:20944624-20983848	26.6717	29.4526	0.1431	0.259466
P2rx3	chr2:84998582-85037462	0.8761	1.1603	0.4055	0.177448
Hyi	chr4:118359989-118362744	9.1951	8.1530	-0.1735	0.508045
Snip1	chr4:125066671-125074042	26.0554	24.3927	-0.0951	0.455758
Hist1h4n	chr13:21831766-21832196	1.2912	2.9251	1.1798	0.588575
Gm15494	chr7:4446445-4471285	2.4050	1.2002	-1.0028	0.410868
Nron	chr2:33805815-33813591	0.2865	0.1418	-0.1046	0.575501
Arl1	chr10:88730857-88744094	19.4040	17.8560	-0.1199	0.547171
Gm12734	chr11:77542132-77543080	3.0538	2.2656	-0.4307	0.300464
Enthd2	chr11:120090530-120098731	10.5753	9.5665	-0.1446	0.593487
Pole2	chr12:69201778-69228190	14.3966	12.9130	-0.1569	0.543936
Net1	chr13:3882564-3918220	9.0339	8.2756	-0.1265	0.459689
Cdk20	chr13:64432552-64439720	1.6602	1.2397	-0.4214	0.355668
Zfp551	chr7:12415152-12422751	4.3084	5.0772	0.2369	0.444928
Ubn1	chr16:5050067-5086285	28.9566	31.0333	0.0999	0.334376

Psm2	chr16:20651651-20663414	50.8810	48.5042	-0.0690	0.501927
Frat2	chr19:41845977-41848132	4.2544	5.2392	0.3004	0.534284
Gigyf2	chr1:87326997-87450796	12.3980	11.7889	-0.0727	0.441496
Zgrf1	chr3:127553488-127618021	5.3008	4.8507	-0.1280	0.517485
Lrrc48	chr11:60353328-60394341	0.2041	0.0985	-1.0511	0.411346
Prr7	chr13:55464266-55473155	5.3855	4.2770	-0.3325	0.541097
Alms1	chr6:85587530-85702753	3.5749	3.9549	0.1457	0.310090
Gm17055	chr6:108656916-108659417	0.4826	0.7905	0.7119	0.592609
Dhx30	chr9:110084319-110117830	14.4531	13.8076	-0.0659	0.291092
Angpt1	chr1:156838561-156861078	0.9960	0.6995	-0.5098	0.509869
BC029214	chr2:25455140-25461094	13.8760	15.6180	0.1706	0.425390
Fxr1	chr3:34020078-34069342	48.8575	53.2245	0.1235	0.474712
Fbxo47	chr11:97853825-97884154	0.4074	0.7585	0.8968	0.383259
Lct	chr1:128284755-128328318	0.0534	0.1275	1.2546	0.341720
Gm11626	chr11:101456575-101457390	53.6532	45.9622	-0.2232	0.587907
Gm12529	chr4:59532746-59533014	10.8167	8.0518	-0.4259	0.402859
Ccdc28a	chr10:18213675-18234998	8.3478	7.5302	-0.1487	0.447867
Zbbp	chr11:11279625-11462408	0.9982	1.2513	0.3260	0.289454
Med7	chr11:46436924-46442721	10.4761	11.8260	0.1749	0.413928
Gm15892	chr11:88059065-88067476	0.5837	0.2939	-0.9898	0.364528
Agbl5	chr5:30888693-30906965	9.3785	10.1382	0.1124	0.093771
Brsk2	chr7:141949750-142004247	0.5933	0.4525	-0.3907	0.381746
Uba5	chr9:104046598-104063134	19.9849	18.4291	-0.1169	0.552742
Ccr9	chr9:123678438-123783457	5.4285	4.8425	-0.1648	0.542918
Trav9-4	chr14:53676140-53676629	3.3829	5.4439	0.6864	0.438725
Rhot2	chr17:25838456-25844851	18.9699	17.9524	-0.0795	0.342121
Pcmdt1	chr1:7088919-7173628	18.9703	17.7834	-0.0932	0.591305
Cp	chr3:19957053-20009145	0.7217	0.5709	-0.3382	0.565207
Aaas	chr15:102338246-102350759	21.2720	23.6374	0.1521	0.381947
Alpk1	chr3:127670398-127780527	0.6449	0.5043	-0.3548	0.412708
Samd14	chr11:95009878-95026087	0.5469	0.3288	-0.7341	0.549012
Gm12058	chr11:22786810-22787247	0.9791	2.0510	1.0668	0.327868
Gm16585	chr1:177786855-177787465	2.7700	1.7387	-0.6719	0.512847
Cse1l	chr2:166906039-166946389	24.1266	26.0671	0.1116	0.413677
Gm12141	chr11:41498736-41500901	1.3334	0.8964	-0.5730	0.518024
Fam103a1	chr7:81762924-81769491	1.6677	2.4948	0.5811	0.404527
1700052N19Rik	chr10:4432466-4455141	4.2110	4.7368	0.1698	0.500984
Perp	chr10:18845070-18857073	0.8131	1.2354	0.6034	0.483055
Traf3ip2	chr10:39612933-39655307	13.3114	14.7047	0.1436	0.456948
Lace1	chr10:42312584-42478565	2.9426	3.5068	0.2531	0.316963
Gcc2	chr10:58255496-58305599	10.9752	10.3719	-0.0816	0.564030
Sept10	chr10:59164112-59221847	0.6281	0.9778	0.6385	0.376934
Ddit4	chr10:59949674-59951770	45.1030	41.7436	-0.1117	0.629935
Jmjd1c	chr10:67096124-67256326	19.2845	20.6065	0.0957	0.356709
Arid5b	chr10:68095592-68278726	11.9781	13.2713	0.1479	0.505784
Ube2d1	chr10:71254979-71285262	4.0054	3.6009	-0.1536	0.395049
Cabin1	chr10:75646109-75764357	17.9231	16.7356	-0.0989	0.673828
Cdc34	chr10:79682194-79688394	40.9509	37.9162	-0.1111	0.563588
Polr2e	chr10:80035948-80039795	22.5934	21.0875	-0.0995	0.528273
Rps15	chr10:80292452-80294114	650.0104	711.0496	0.1295	0.607959
Mfsd12	chr10:81357490-81366225	4.5853	4.0804	-0.1683	0.555517
Gna11	chr10:81528723-81545190	5.9432	6.5861	0.1482	0.152600
Vezt	chr10:93939164-94035817	2.3749	2.1918	-0.1158	0.623301
Mrpl42	chr10:95480805-95501927	38.0940	44.5829	0.2269	0.594238
Nudt4	chr10:95547006-95564167	18.8227	20.5638	0.1276	0.419157
4930430F08Rik	chr10:100572273-100589259	3.0176	3.7108	0.2983	0.568284
Gns	chr10:121365089-121397245	12.8304	11.9244	-0.1057	0.454885
Mon2	chr10:122992060-123076505	17.5779	18.7799	0.0954	0.369554
Ctdsp2	chr10:12697816-126999975	18.7380	17.4489	-0.1028	0.669681
Naca	chr10:128035345-128048637	9.9640	11.0521	0.1495	0.607599
Atp5b	chr10:128083272-128090391	217.6273	208.7711	-0.0599	0.650363
Vmn2r84	chr10:130385315-130394241	1.7086	1.3081	-0.3853	0.617738
Tug1	chr11:3639784-3649673	38.8211	41.6167	0.1003	0.449076
Ccdc157	chr11:4141122-4160293	3.7549	3.3710	-0.1556	0.547187
Osm	chr11:4236419-4241026	10.2952	11.6153	0.1741	0.399258
Ppp3r1	chr11:17159262-17200375	24.7828	26.7899	0.1123	0.375680
Aftph	chr11:20685083-20741589	32.3807	34.5999	0.0956	0.357065
Gm12039	chr11:21280044-21280224	7.0713	4.3650	-0.6960	0.424675
Papolg	chr11:23862645-23895253	18.5202	20.1076	0.1186	0.436083
Olfr56	chr11:48978888-49135387	1.2779	1.7499	0.4534	0.542523
Fnip1	chr11:54438198-54518235	13.3948	12.6151	-0.0865	0.575702

G3bp1	chr11:55469684-55504838	44.4825	42.3052	-0.0724	0.636709
Mfap3	chr11:57518663-57533815	16.7129	15.7631	-0.0844	0.539818
1700047K16Rik	chr11:58322987-58324439	6.1573	5.1122	-0.2684	0.391935
NA	chr11:58327720-58330339	9.4470	10.5848	0.1641	0.481968
Zfp39	chr11:58888152-58904225	10.3671	9.4599	-0.1321	0.608870
Snap47	chr11:59407133-59451186	12.6710	11.2912	-0.1663	0.650558
Top3a	chr11:60740057-60777365	8.6233	7.9952	-0.1091	0.524340
Epn2	chr11:61517248-61579687	0.4298	0.2803	-0.6170	0.499023
Gm26964	chr11:61865474-61867639	8.3017	6.8771	-0.2716	0.376274
Stx8	chr11:67966192-68207148	3.9302	4.4250	0.1711	0.395649
Vamp2	chr11:69088489-69092384	5.6320	4.9985	-0.1722	0.544088
Trappc1	chr11:69323979-69325793	24.7026	27.7171	0.1661	0.486933
Arrb2	chr11:70432634-70440828	59.8504	56.6499	-0.0793	0.595178
Slc25a11	chr11:70644195-70647479	45.6979	49.1050	0.1037	0.312091
Eno3	chr11:70657201-70662513	11.7700	10.6157	-0.1489	0.416865
Xaf1	chr11:72301628-72313733	9.6311	10.8263	0.1688	0.581739
Rap1gap2	chr11:74383355-74590186	5.4985	6.3269	0.2025	0.631055
Tsr1	chr11:74898070-74909342	31.4888	29.1888	-0.1094	0.682485
Wdr81	chr11:75440943-75454717	8.7011	9.6429	0.1483	0.590166
Ccdc55	chr11:77044291-77078435	10.7567	9.8523	-0.1267	0.610426
Nufip2	chr11:77686154-77741921	51.4110	48.7998	-0.0752	0.626384
Dhrs13	chr11:78032279-78037866	3.1468	2.6102	-0.2697	0.478324
Rpl23a	chr11:78180931-78183584	6.4361	8.0700	0.3264	0.521604
Gm11192	chr11:78278737-78279066	23.9980	18.4309	-0.3808	0.489907
Zfp830	chr11:82764344-82767622	12.6070	11.4253	-0.1420	0.620541
Sfn1	chr11:83116848-83122670	126.3122	136.2332	0.1091	0.514978
Tada2a	chr11:84078919-84129600	4.8462	4.0982	-0.2419	0.592883
2610027K06Rik	chr11:85791660-85832223	0.3324	0.5364	0.6906	0.242932
Cuedc1	chr11:88098057-88194140	0.7386	0.9072	0.2966	0.244708
Wfikkn2	chr11:94235955-94246005	1.4290	1.8333	0.3595	0.542081
Spop	chr11:95414079-95493406	15.4066	16.8653	0.1305	0.366353
Pcgf2	chr11:97688822-97700497	0.6731	0.8935	0.4087	0.385816
Ikzf3	chr11:98464901-98546031	25.4800	24.3763	-0.0639	0.595901
Gm12359	chr11:98797706-98810087	11.2507	10.0712	-0.1598	0.567450
Gm11560	chr11:99932161-99933109	1.5593	2.3003	0.5610	0.491055
Zfp385c	chr11:100627542-100692455	1.3778	1.1058	-0.3173	0.444058
Wnk4	chr11:101260566-101277409	1.1885	0.8712	-0.4480	0.595403
Slc25a39	chr11:102402984-102407946	16.8542	15.5335	-0.1177	0.548409
Map3k14	chr11:103219761-103267472	9.5646	8.7941	-0.1212	0.618636
Plekhl1	chr11:103365087-103412664	5.6540	5.0769	-0.1553	0.593396
Tlk2	chr11:105178806-105283959	16.1183	17.2453	0.0975	0.317606
Ddx42	chr11:106216925-106249139	55.0916	52.6637	-0.0650	0.486288
Psmc5	chr11:106256153-106263120	56.6213	52.4614	-0.1101	0.616439
Rgs9	chr11:109225354-109298129	1.1455	1.4706	0.3604	0.562421
Cpsf4l	chr11:113698171-113710017	1.4774	1.1555	-0.3545	0.303110
Nup85	chr11:115564433-115583985	21.8465	23.7884	0.1229	0.382153
Slc25a19	chr11:115614177-115628295	14.6131	16.2506	0.1532	0.567242
2310067B10Rik	chr11:115765432-115799366	8.4961	9.4232	0.1494	0.535074
Tsen54	chr11:115814723-115823094	9.8557	8.9703	-0.1358	0.384397
Lig2	chr11:115824048-115855780	7.2033	6.5324	-0.1410	0.673857
Acox1	chr11:116171887-116199045	7.7436	8.6436	0.1586	0.503189
Gm11724	chr11:117789896-117791313	28.4958	25.2806	-0.1727	0.385637
Gaa	chr11:119267886-119285454	5.9470	5.2866	-0.1698	0.631057
Mafg	chr11:120625116-120633600	7.8197	8.5654	0.1314	0.265726
Dnajb9	chr12:44205896-44210068	4.6742	5.9257	0.3423	0.525012
Lrr1	chr12:69168813-69179010	1.8343	2.4488	0.4168	0.445266
Gm9887	chr12:69371834-69372458	26.3006	22.4744	-0.2268	0.668056
Pygl	chr12:70190810-70231488	0.3270	0.5101	0.6414	0.445835
Actr10	chr12:70937856-70964718	18.3978	20.1014	0.1278	0.506763
Zbtb1	chr12:76370265-76396950	17.0779	16.4218	-0.0565	0.389765
Erh	chr12:80634021-80644341	3.3168	2.5447	-0.3823	0.563454
Aldh6a1	chr12:84430722-84450950	4.1263	4.8100	0.2212	0.467808
Zc3h14	chr12:98746967-98787774	38.0515	40.5192	0.0907	0.195678
Wars	chr12:108860029-108894174	27.4742	25.9443	-0.0827	0.535811
Cep170b	chr12:112722173-112746591	2.9593	2.5751	-0.2006	0.606539
Btbd6	chr12:112976481-112978930	20.3265	18.8522	-0.1086	0.565743
Igh3	chr12:113359664-113361232	1.1242	1.7855	0.6675	0.409565
Kif13a	chr13:46749086-46929718	6.1609	6.9688	0.1778	0.631200
Mirlet7d	chr13:48536011-48536114	10.6634	15.4730	0.5371	0.252624
Sptlc1	chr13:53332715-53377365	28.5747	26.7334	-0.0961	0.587204
Arl10	chr13:54575014-54581128	3.2403	3.9793	0.2964	0.412188

Tmed9	chr13:55593134-55597663	52.3191	49.5251	-0.0792	0.395923
Pcbd2	chr13:55727367-55776830	12.0679	14.7987	0.2943	0.454043
Zfp934	chr13:62517499-62520544	1.3398	0.8457	-0.6639	0.487831
Rsl1	chr13:67173206-67183126	11.6293	10.2512	-0.1820	0.609207
ElI2	chr13:75707483-75772356	3.3723	2.7952	-0.2708	0.642375
Arsk	chr13:76060421-76098660	2.6786	2.3078	-0.2150	0.588030
Rasa1	chr13:85214779-85289029	49.2744	47.3263	-0.0582	0.549411
Tmem167	chr13:90089122-90143907	9.9500	10.8165	0.1205	0.489881
Iqgap2	chr13:95627176-95891922	35.9029	33.8620	-0.0844	0.675699
Cdk7	chr13:100697026-100730942	8.6488	8.1640	-0.0832	0.378347
Ipo11	chr13:106794438-106936915	14.3950	15.7782	0.1324	0.411915
Dimt1	chr13:106947128-106960224	5.7298	4.9900	-0.1994	0.591931
Ndufaf2	chr13:108052589-108158625	11.6063	9.7943	-0.2449	0.396123
Esm1	chr13:113209658-113218098	0.5765	1.0121	0.8121	0.546838
Iitga2	chr13:114835915-114932041	3.9504	4.6160	0.2246	0.511991
Gatad1	chr5:3632931-3647934	16.8201	18.1201	0.1074	0.101385
Abcb1b	chr5:8798146-8866314	7.3334	8.2329	0.1669	0.572939
Sema3d	chr5:12383165-12588943	0.3208	0.2044	-0.6498	0.542757
Phtf2	chr5:20758662-20882124	14.0666	15.3140	0.1226	0.542293
Gm25219	chr5:23487393-23487723	18.3756	22.7041	0.3052	0.596981
Agap3	chr5:24452176-24502047	16.2629	17.6809	0.1206	0.303455
Gbx1	chr5:24502756-24527276	0.2339	0.3831	0.7115	0.406258
Chpf2	chr5:24586740-24594395	16.0267	14.8640	-0.1087	0.647146
Lrpap1	chr5:35091489-35105766	12.0236	13.2686	0.1421	0.457168
Acox3	chr5:35583039-35613801	6.4927	7.2038	0.1499	0.565309
Qdpr	chr5:45434031-45450235	17.4071	15.8841	-0.1321	0.578231
Med28	chr5:45520220-45529276	10.0469	11.2494	0.1631	0.556002
Lcorl	chr5:45697180-45857615	3.8973	4.3230	0.1495	0.502714
Tbc1d19	chr5:53809626-53904380	2.3772	1.9278	-0.3023	0.547978
Fam114a1	chr5:64970070-65041874	1.1088	0.8121	-0.4492	0.505344
Atp8a1	chr5:67618139-67847432	9.3254	8.7625	-0.0898	0.608142
CommD8	chr5:72156999-72168183	16.5513	18.8270	0.1859	0.623134
Ociad2	chr5:73322198-73338947	0.3181	0.5167	0.6998	0.225016
Usp46	chr5:73998462-74068430	3.5283	3.0831	-0.1946	0.598757
C530008M17Rik	chr5:76657682-76873554	0.5349	0.4376	-0.2898	0.386314
Dck	chr5:88764995-88783281	24.5084	26.4532	0.1102	0.242066
Lin54	chr5:100441917-100500639	7.5171	8.2384	0.1322	0.385222
Gbp11	chr5:105323041-105346472	1.2687	0.9712	-0.3855	0.386481
Gm15787	chr5:110154399-110176504	5.6603	6.4981	0.1991	0.366932
Gm26718	chr5:110259162-110269847	25.6729	23.6581	-0.1179	0.492717
Fbrsl1	chr5:110361753-110448503	4.2607	4.9041	0.2029	0.567947
Gm15989	chr5:110905243-110905741	2.2485	1.1508	-0.9663	0.591983
Srrd	chr5:112337391-112343040	13.7830	12.0810	-0.1901	0.650940
Coro1c	chr5:113842435-113908758	11.1395	10.6116	-0.0700	0.489879
Taok3	chr5:117120128-117275219	8.4924	7.8982	-0.1046	0.688746
Erp29	chr5:121428589-121452506	10.3380	11.1756	0.1124	0.408873
Anapc5	chr5:12278468-122821339	89.8700	97.4827	0.1173	0.567830
A930024E05Rik	chr5:122989353-122998345	14.8924	13.6691	-0.1237	0.477417
Rhof	chr5:123103043-123132692	30.3605	28.6371	-0.0843	0.636728
2810006K23Rik	chr5:124328088-124341844	2.8739	2.4461	-0.2325	0.350510
Gbas	chr5:129725062-129758327	13.6203	15.0521	0.1442	0.351405
Sbds	chr5:130245730-130255530	34.9188	32.8846	-0.0866	0.376637
Gm10369	chr5:134676489-134680145	1.1118	1.6447	0.5648	0.364671
Stx1a	chr5:135023481-135051100	4.2934	3.6781	-0.2232	0.608964
Dnajc30	chr5:135064205-135065365	8.2646	6.9848	-0.2427	0.509976
Baz1b	chr5:135187263-135246129	41.2426	39.4829	-0.0629	0.557930
Pom121	chr5:135376140-135394546	3.7401	3.2772	-0.1906	0.673456
Pcolce	chr5:137605102-137613784	2.5951	2.2728	-0.1913	0.155519
Ftsj2	chr5:140327673-140331898	4.3717	5.4016	0.3052	0.527518
Zfp316	chr5:143249696-143270022	1.6208	1.9089	0.2361	0.444856
Cav2	chr6:17281184-17289115	0.2809	0.1427	-0.9774	0.405105
Lrrc4	chr6:28661830-28831747	0.8381	0.5882	-0.5108	0.672678
Cnot4	chr6:35022065-35133737	8.7265	7.9406	-0.1362	0.693865
Zc3hav1	chr6:38305285-38354603	110.6428	106.6857	-0.0525	0.539737
Trbv13-2	chr6:41121416-41121832	164.0052	179.6145	0.1312	0.379393
Znrf2	chr6:54816915-54893500	44.9092	47.7147	0.0874	0.329039
Fam188b	chr6:55203382-55320222	0.2091	0.1040	-1.0080	0.485714
Herc6	chr6:57580991-57665136	18.2351	20.1874	0.1467	0.630011
Gm26712	chr6:57689432-57689649	30.0044	24.2272	-0.3085	0.531957
Herc3	chr6:58831464-58920398	19.3354	18.3446	-0.0759	0.588253
Pole4	chr6:82618991-82705365	19.3241	17.7703	-0.1209	0.574953

Paip2b	chr6:83805400-83831741	10.8562	9.9359	-0.1278	0.654457
Fam136a	chr6:86365682-86370057	15.1115	17.5663	0.2172	0.605385
Gt(ROSA)26Sor	chr6:113067427-113077333	22.6688	20.7363	-0.1285	0.554848
Sec13	chr6:113728066-113740743	60.8348	65.8970	0.1153	0.477428
NA	chr6:115675994-115677136	10.3145	12.6265	0.2918	0.618802
Hnrnpf	chr6:117900323-117925622	26.1375	24.7288	-0.0799	0.424515
Bid	chr6:120891929-120916853	13.4484	12.6083	-0.0931	0.441573
Dusp16	chr6:134715472-134792625	1.4838	1.2507	-0.2465	0.601147
Apold1	chr6:134982000-134986836	0.4287	0.6626	0.6283	0.394743
Arhgdib	chr6:136923522-136941899	289.1383	311.0213	0.1053	0.545971
Pyroxd1	chr6:142345653-142363257	10.8605	11.9773	0.1412	0.464293
Itpr2	chr6:146108298-146502223	39.0491	37.1998	-0.0700	0.689761
Tmem190	chr7:4782939-4784341	1.5301	0.7843	-0.9642	0.399090
Zc3h4	chr7:16401195-16437694	21.5453	20.1021	-0.1000	0.662445
Hif3a	chr7:17031506-17062427	0.2801	0.1862	-0.5888	0.521479
Ccdc61	chr7:18890882-18910415	9.9584	8.9128	-0.1600	0.489018
Gm10676	chr7:18989553-18992774	4.3807	3.8292	-0.1941	0.494452
Mark4	chr7:19426074-19458494	7.1342	6.2047	-0.2014	0.624936
Irgq	chr7:24530647-24538599	3.7378	4.1651	0.1562	0.336872
Gm15495	chr7:25442151-25443463	1.2849	0.8152	-0.6565	0.469977
Map4k1	chr7:28982853-29003279	50.1729	47.9931	-0.0641	0.508955
Zbtb32	chr7:30589680-30598909	15.0870	17.1575	0.1855	0.600164
Spib	chr7:44525994-44532071	0.7847	0.4707	-0.7373	0.474671
Sergef	chr7:46443167-46639807	3.2759	3.9670	0.2761	0.374041
Crebzf	chr7:90442728-90447717	52.9356	50.7454	-0.0610	0.523592
Gm23973	chr7:103271549-103271870	11.4144	14.2511	0.3202	0.267991
Plekha7	chr7:116123492-116308376	1.2262	1.4786	0.2701	0.515647
2610020H08Rik	chr7:119794005-119848943	6.8895	7.7349	0.1670	0.509612
Dcun1d3	chr7:119853162-119896291	5.8128	6.4718	0.1549	0.539409
Tnrc6a	chr7:123123884-123195288	30.3748	29.0916	-0.0623	0.547993
Kctd13	chr7:126928878-126945631	5.4963	6.4327	0.2270	0.493614
Prrt2	chr7:127016770-127021211	5.9202	5.2149	-0.1830	0.627599
Ilgax	chr7:128129546-128150656	0.8351	0.6200	-0.4298	0.575150
Fuom	chr7:140096769-140102441	1.0278	1.3064	0.3460	0.423528
Polr2l	chr7:141471859-141475132	2.7349	3.6068	0.3992	0.626732
Ctsd	chr7:142371147-142388038	111.6069	119.9513	0.1040	0.494898
9530052E02Rik	chr8:11007849-11054541	0.8201	0.5259	-0.6410	0.454043
Fnta	chr8:25998728-26015601	34.9330	38.2709	0.1317	0.439997
Zfp703	chr8:26977335-26981461	0.7846	1.0209	0.3798	0.224572
AA386476	chr8:47675390-47677055	2.9137	2.3319	-0.3213	0.406015
Vegfc	chr8:54077531-54186454	1.1070	1.5371	0.4736	0.476535
Klh2	chr8:64739862-64849818	11.5626	12.8683	0.1543	0.432549
Ints10	chr8:68793928-68829410	7.3257	8.0091	0.1287	0.416609
NA	chr8:69165744-69184215	0.7024	0.4262	-0.7207	0.476289
281042815Rik	chr8:70504291-70506752	8.3474	9.9383	0.2517	0.583477
Ell	chr8:70539674-70592858	8.1061	9.1230	0.1705	0.457903
Zfp961	chr8:71951037-71993408	8.1609	9.2340	0.1782	0.554281
Slc35e1	chr8:72480640-72492614	21.9536	23.6724	0.1087	0.359241
Arhgap10	chr8:77250365-77517907	13.0632	14.5790	0.1584	0.549390
Lyl1	chr8:84701456-84704715	1.8359	1.3640	-0.4286	0.517855
Rad23a	chr8:84834018-84840665	37.7204	35.3578	-0.0933	0.605969
Orc6	chr8:85299631-85308278	20.0370	18.0943	-0.1471	0.624986
Heatr3	chr8:88137854-88172027	13.3203	14.6584	0.1381	0.474182
B3gnt9	chr8:105252637-105255153	3.3277	2.8244	-0.2366	0.389142
Gm16209	chr8:107037479-107038106	1.9128	1.0911	-0.8099	0.404765
Gabarapl2	chr8:111940702-111953612	4.5027	5.2679	0.2264	0.376500
Cmip	chr8:117257018-117461503	10.0169	9.0452	-0.1472	0.657619
Jph3	chr8:121729622-121794276	0.4272	0.2792	-0.6139	0.452624
Klhdc4	chr8:121796312-121829569	8.0863	7.4227	-0.1235	0.416558
Taf5l	chr8:123996317-124021309	21.5468	20.1158	-0.0992	0.620912
Gm16163	chr8:124831697-124863703	9.1855	10.6663	0.2156	0.223852
Tomm20	chr8:126930663-126945921	11.0166	12.2663	0.1550	0.521534
Ccdc82	chr9:13246981-13289409	42.2275	39.1333	-0.1098	0.605884
Pin1	chr9:20652129-20666584	7.7315	8.6792	0.1668	0.509120
Pde4a	chr9:21165713-21213248	0.2995	0.4057	0.4377	0.393853
Ets1	chr9:32696041-32757820	532.9602	562.1623	0.0770	0.307130
4930581F22Rik	chr9:35116727-35130922	15.9071	14.7453	-0.1094	0.641967
Pus3	chr9:35558594-35567183	23.6462	25.6362	0.1166	0.371978
Rnf26	chr9:44066326-44113517	1.3091	1.5965	0.2864	0.394979
Mpzl3	chr9:45055185-45077436	5.6005	5.1993	-0.1072	0.212912
Gm20612	chr9:45261054-45261290	3.6023	5.5705	0.6289	0.554097

Cox5a	chr9:57521231-57532424	74.1081	82.0670	0.1472	0.495327
Pkm	chr9:59656367-59679375	253.9072	273.2775	0.1061	0.587775
Smad3	chr9:63646766-63757994	23.9860	22.4259	-0.0970	0.664798
Aph1b	chr9:66775201-66795490	0.4689	0.6157	0.3930	0.305266
Gm17477	chr9:80118894-80121937	7.7070	6.9350	-0.1523	0.434531
Lca5	chr9:83390292-83441127	1.8193	1.5508	-0.2304	0.641218
4930579K19Rik	chr9:98562959-98563611	3.3296	2.2346	-0.5753	0.563745
3000002C10Rik	chr9:109827942-109832706	0.8822	0.7027	-0.3282	0.279750
Abhd5	chr9:122351607-122381524	2.7153	3.2390	0.2545	0.493898
Hdac6	chrX:7930119-7947889	5.6375	5.1117	-0.1413	0.579447
Ebp	chrX:8185328-8193512	23.6891	25.9691	0.1326	0.429108
Lancl3	chrX:9199901-9268085	1.1691	1.5305	0.3886	0.596545
Gm14493	chrX:10717472-10718710	8.6534	11.0367	0.3510	0.464964
Zfp182	chrX:21028938-21062316	9.3298	10.5709	0.1802	0.604216
Dock11	chrX:35888831-36076562	57.3011	54.8594	-0.0628	0.637355
Bcor1	chrX:48341357-48408049	0.9184	0.7680	-0.2580	0.472165
Elf4	chrX:48411045-48463132	16.2067	14.8641	-0.1248	0.701300
Mir5116	chrX:56587851-56587914	31.3081	21.9889	-0.5098	0.415159
Nsdhl	chrX:72918556-72958514	6.7325	6.0000	-0.1662	0.503456
Xlr4b	chrX:73214332-73222453	3.9793	4.8714	0.2918	0.541090
Slc6a8	chrX:73673149-73682502	0.6045	0.7853	0.3774	0.380384
Naa10	chrX:73916872-73921944	20.8755	19.4474	-0.1022	0.585885
Tab3	chrX:85574021-85634469	3.3910	3.9674	0.2265	0.575396
Eif2s3x	chrX:94188706-94212862	4.1089	4.8450	0.2378	0.601503
Zc3h12b	chrX:95711677-95932637	0.9918	0.8311	-0.2551	0.414240
Ftx	chrX:103560906-103623754	3.2533	3.8053	0.2261	0.647776
NA	chrX:136741857-136743143	2.5700	1.9808	-0.3757	0.390884
Plp1	chrX:136822670-136839733	0.8113	0.6394	-0.3434	0.403851
Lhfp1	chrX:145290358-145349089	0.4912	0.2569	-0.9351	0.417578
NA	chrX:150408583-150440905	5.8300	7.0975	0.2838	0.504775
Fam120c	chrX:151344174-151471842	3.1315	3.7726	0.2687	0.537045
Hsd17b10	chrX:152001844-152004442	25.0304	32.1579	0.3615	0.434037
Gm650	chrX:155304198-155305749	0.9947	1.4584	0.5520	0.426412
Fancb	chrX:164980591-164997272	3.3207	2.8396	-0.2258	0.372971
AW549877	chr15:3982035-3995752	16.8395	16.0320	-0.0709	0.212593
1810049J17Rik	chr15:12321437-12321899	64.9187	73.6651	0.1823	0.594540
Zfp706	chr15:36997030-37007402	13.0653	12.0546	-0.1161	0.615083
Ubr5	chr15:37967327-38078853	41.3588	39.7694	-0.0565	0.594141
Utp23	chr15:51877428-51884614	6.9149	7.8616	0.1851	0.412460
D15Ertd621e	chr15:58415467-58457801	19.3069	18.3730	-0.0715	0.335014
Mtss1	chr15:58941243-59082026	8.0802	7.5182	-0.1040	0.394580
Fam84b	chr15:60818995-60825080	2.8962	3.2875	0.1828	0.367002
Fbxl6	chr15:76535729-76538746	25.2771	23.1807	-0.1249	0.639156
Polr2f	chr15:79141350-79151774	38.3186	44.7240	0.2230	0.584675
Nhp2l1	chr15:82041318-82047598	5.3559	6.3283	0.2407	0.484771
Cpt1b	chr15:89416404-89425863	1.7981	1.3807	-0.3811	0.624926
Scaf11	chr15:96411697-96460843	38.3144	36.8222	-0.0573	0.529635
Tuba1c	chr15:99029890-99038105	11.0547	12.4902	0.1761	0.341175
Tfcp2	chr15:100502798-100552008	4.5736	3.9724	-0.2033	0.600145
Gm16741	chr14:7749944-7775528	0.7076	1.1178	0.6597	0.412045
Abhd6	chr14:8002901-8056555	2.7381	3.3361	0.2850	0.406109
Thoc7	chr14:13949013-13961225	55.9800	61.7293	0.1410	0.485694
Nr1d2	chr14:18204053-18239127	7.9580	8.9817	0.1746	0.496446
Ppif	chr14:25694153-25700468	8.1872	7.4702	-0.1322	0.476445
Mapk1ip1l	chr14:47298313-47323204	13.6888	12.7041	-0.1077	0.599923
Peli2	chr14:48120868-48260883	0.4747	0.3399	-0.4817	0.452989
Osgep	chr14:50906477-50924893	5.5779	6.2176	0.1566	0.439423
Arhgef40	chr14:51984718-52006251	0.2176	0.2963	0.4457	0.476698
Trav1	chr14:52427927-52428874	2.6035	1.3539	-0.9433	0.373544
Trav14-1	chr14:53554056-53554554	14.2369	17.6009	0.3060	0.426726
Traj7	chr14:54211469-54211528	63.0560	84.4398	0.4213	0.545647
Oxa1l	chr14:54360840-54369669	24.8621	22.7656	-0.1271	0.689768
Cdh24	chr14:54631991-54641364	2.9955	3.5816	0.2578	0.438977
Ngdn	chr14:55015453-55024135	58.8119	54.4865	-0.1102	0.670045
Psme2	chr14:55587440-55591113	37.8920	41.9505	0.1468	0.554375
Tm9sf1	chr14:55635964-55643806	15.2571	16.4991	0.1129	0.222643
Gmpr2	chr14:55672234-55678750	20.6091	19.1166	-0.1085	0.171582
Gjb2	chr14:57098599-57104702	5.0411	4.2048	-0.2617	0.603663
Cryl1	chr14:57275033-57398483	8.8000	10.0675	0.1941	0.197279
N6amt2	chr14:57549597-57571569	28.3164	32.2076	0.1858	0.537200
Rcctb1	chr14:59201208-59237265	23.3904	21.9070	-0.0945	0.674817

Nupl1	chr14:60219203-60251507	39.2849	37.5673	-0.0645	0.234715
R3hcc1	chr14:69697306-69707584	8.3775	7.5664	-0.1469	0.496775
Ccar2	chr14:70138176-70153811	34.2497	36.7598	0.1020	0.412804
Slc39a14	chr14:70303468-70351425	3.3064	3.6425	0.1397	0.129984
Rcctb2	chr14:73123036-73207843	8.2664	9.0072	0.1238	0.426481
Dgkh	chr14:78569608-78725089	2.7811	3.3741	0.2788	0.564093
Naa16	chr14:79334203-79390778	8.3118	7.7140	-0.1077	0.592764
Gm26773	chr14:118107830-118117100	3.5378	2.9192	-0.2773	0.665049
Zfp160	chr17:21008940-21028852	12.9502	14.5182	0.1649	0.542153
Zfp760	chr17:21707740-21725636	8.8655	8.0983	-0.1306	0.613412
Zfp943	chr17:21962551-22071168	8.6721	9.6109	0.1483	0.461453
Thoc6	chr17:23668613-23673882	12.0745	10.7519	-0.1674	0.562412
Traf7	chr17:24508561-24527938	23.8029	22.7854	-0.0630	0.365024
Snora78	chr17:24719675-24719803	66.1564	78.2584	0.2424	0.432798
Lmf1	chr17:25579173-25662826	1.4028	1.2481	-0.1685	0.604244
Fam173a	chr17:25790507-25792284	47.5478	53.0507	0.1580	0.553128
4930539E08Rik	chr17:28896396-28915324	1.4301	1.1501	-0.3144	0.618726
Kctd20	chr17:28951949-28969549	20.1799	21.7528	0.1083	0.300641
Slc37a1	chr17:31295482-31350696	13.3264	12.2398	-0.1227	0.600734
Rasal3	chr17:32390658-32403583	75.2863	71.8200	-0.0680	0.630343
Slc39a7	chr17:34028266-34031690	41.1777	38.7288	-0.0885	0.642999
Stk19	chr17:34823992-34836945	3.7371	3.2917	-0.1831	0.357502
Ehmt2	chr17:34898468-34914052	34.3661	37.3052	0.1184	0.575779
Gm16181	chr17:35220833-35224134	6.6571	5.1527	-0.3696	0.472268
AY036118	chr17:39848102-39848827	793.0361	745.9478	-0.0883	0.695523
Gm23657	chr17:46992622-46992916	4.7894	3.1961	-0.5835	0.389027
Usp49	chr17:47630689-47686738	2.7193	2.4322	-0.1610	0.598316
Tomm6os	chr17:47687609-47691083	1.4678	1.1989	-0.2920	0.159534
Pp2d1	chr17:53507459-53539451	0.3040	0.5040	0.7296	0.349555
Gm9311	chr17:73190257-73191685	3.2089	4.0497	0.3357	0.382456
Dpy30	chr17:74299473-74323944	24.4184	21.7558	-0.1666	0.584906
Rmdn2	chr17:79614899-79682152	2.3703	3.0446	0.3612	0.552762
Thumpd2	chr17:81026326-81065085	7.3476	8.6376	0.2333	0.518325
Gm1976	chr17:94759943-94834799	2.9656	3.6269	0.2904	0.385069
1700037C18Rik	chr16:3895178-3908689	11.0711	10.1840	-0.1205	0.468140
NA	chr16:3908856-3909192	9.5878	7.3626	-0.3810	0.306939
Coro7	chr16:4626132-4679777	15.7862	14.6478	-0.1080	0.710129
Tvp23a	chr16:10420556-10447362	10.1901	9.3963	-0.1170	0.573378
Gspt1	chr16:11219291-11254270	30.0552	28.4361	-0.0799	0.536361
Gm15869	chr16:14316073-14317285	3.9333	2.9575	-0.4114	0.458053
Parl	chr16:20279819-20302387	8.1267	9.1322	0.1683	0.482739
Tra2b	chr16:22244548-22266005	25.2320	23.8676	-0.0802	0.559036
1110054M08Rik	chr16:24391611-24393588	2.4216	3.0847	0.3492	0.347540
Ccdc50	chr16:27388868-27452218	14.8658	14.0576	-0.0806	0.587546
Nit2	chr16:57156670-57167332	15.0591	17.1131	0.1845	0.524515
Ltn1	chr16:87376650-87432606	19.2412	20.6258	0.1003	0.410016
Bach1	chr16:87698944-87733346	7.7750	7.2030	-0.1103	0.574755
Gm6293	chr19:5415564-5415759	12.5846	8.7944	-0.5170	0.462317
Snx32	chr19:5495277-5510489	9.2458	10.4822	0.1811	0.216517
Malat1	chr19:5795689-5802672	1827.7525	1728.2905	-0.0807	0.737374
Esrra	chr19:6910976-6921813	10.3098	11.6832	0.1804	0.543434
Fen1	chr19:10199131-10204169	30.1128	32.8318	0.1247	0.439707
Tle4	chr19:14448071-14598051	13.6679	12.7081	-0.1050	0.593258
Sorbs1	chr19:40295048-40402267	4.1746	3.5162	-0.2476	0.614190
Avp1	chr19:42123272-42129059	2.6516	1.9565	-0.4385	0.546381
Mir5114	chr19:44303170-44303231	52.5055	37.0351	-0.5036	0.639081
NA	chr19:45578276-45579763	11.4120	13.5165	0.2442	0.273595
4930505N22Rik	chr19:45998136-46013386	0.9389	0.4648	-1.0145	0.381418
Psd	chr19:46312086-46327156	2.9091	2.4454	-0.2505	0.565257
Trim8	chr19:46501647-46516444	24.1035	26.7841	0.1521	0.610784
Atp6v1h	chr1:5083172-5162549	30.0329	32.4691	0.1125	0.225993
Kcnq5	chr1:21398402-21961942	5.1230	4.6570	-0.1376	0.657405
Ccdc115	chr1:34436670-34439672	12.0528	13.9858	0.2146	0.578052
Coa5	chr1:37417083-37430103	29.5825	31.8541	0.1067	0.415472
Osgepl1	chr1:53313623-53326343	3.3209	3.7833	0.1881	0.459721
9430016H08Rik	chr1:57406327-57417953	3.9197	3.4304	-0.1923	0.537444
Pard3b	chr1:61638823-62642284	0.1346	0.0736	-0.8705	0.574623
Gm6189	chr1:80383103-80385188	0.5382	0.3122	-0.7855	0.370800
Arl4c	chr1:88673124-88702221	48.7135	51.9700	0.0934	0.426868
Pam	chr1:97795113-98095646	1.5515	1.8207	0.2309	0.516659
Clasp1	chr1:118389057-118609432	14.4493	13.5195	-0.0960	0.634773

Tmem177	chr1:119907889-119913208	4.1826	3.7495	-0.1577	0.267565
Srgap2	chr1:131285250-131527361	6.3578	6.9298	0.1243	0.291330
Lamc1	chr1:153218921-153332786	12.3229	13.8072	0.1641	0.671446
Mr1	chr1:155127877-155146780	12.1587	13.6353	0.1654	0.551204
Gm10031	chr1:156524091-156526659	0.8631	1.2577	0.5432	0.336312
Ccdc181	chr1:164275584-164287847	6.6082	5.8532	-0.1750	0.059734
Rcsd1	chr1:165648944-165708094	77.0163	82.1943	0.0939	0.312321
Cd247	chr1:165788680-165877276	94.9216	100.3684	0.0805	0.221553
Igsf8	chr1:172261640-172319841	3.8484	3.3103	-0.2173	0.663636
BC094916	chr1:173519716-173535957	13.3848	15.2899	0.1920	0.624648
Efcab2	chr1:178405880-178483247	1.0823	1.4642	0.4360	0.421553
Ahctf1	chr1:179744893-179803680	33.7531	32.5001	-0.0546	0.485102
Adck3	chr1:180165237-180199602	5.0724	4.5947	-0.1427	0.562298
Psen2	chr1:180227003-180263438	34.0910	36.9074	0.1145	0.530162
A230020J21Rik	chr1:191025349-191026186	6.5301	7.9189	0.2782	0.266472
Gm15872	chr1:193187374-193192011	19.0055	16.2021	-0.2302	0.498509
Svil	chr18:4920539-5119299	10.7793	10.1170	-0.0915	0.603985
Zeb1	chr18:5591859-5775467	10.7889	10.1504	-0.0880	0.555611
Kctd1	chr18:14968684-15151446	2.1504	2.7198	0.3389	0.525754
Trappc8	chr18:20817223-20896078	31.0719	29.6779	-0.0662	0.545011
Dnd1	chr18:36763670-36766214	3.7787	4.3928	0.2173	0.223122
Taf7	chr18:37640901-37644204	13.6883	15.4696	0.1765	0.558409
Arap3	chr18:37972623-37997574	0.4815	0.6732	0.4835	0.508256
Ticam2	chr18:46559154-46574533	1.1088	0.8464	-0.3896	0.614906
Tmed7	chr18:46560234-46597535	16.4899	17.7398	0.1054	0.339390
C330018D20Rik	chr18:56955832-56975368	4.2456	4.8910	0.2041	0.429890
Fbxo38	chr18:62504068-62548743	38.9241	41.4124	0.0894	0.156001
Fech	chr18:64456549-64489066	9.5117	8.6602	-0.1353	0.495642
Gm20544	chr18:75365331-75367088	0.6090	1.2363	1.0214	0.491552
Rpl21-ps8	chr18:82523538-82524021	2.0637	1.0396	-0.9892	0.406749
Kin	chr2:10080592-10092806	16.0672	17.8930	0.1553	0.467763
Rsu1	chr2:13076966-13271431	4.5277	4.9799	0.1373	0.371234
Yme11	chr2:23156368-23199260	41.5547	39.2658	-0.0817	0.648896
Sapcd2	chr2:25372320-25378213	1.9494	2.4829	0.3490	0.573272
Fbxw5	chr2:25500749-25505471	15.3363	17.0841	0.1557	0.528229
Edf1	chr2:25557846-25562082	59.2016	65.5963	0.1480	0.577277
Mamdc4	chr2:25563114-25574845	5.7395	6.5090	0.1815	0.518133
Snhg7	chr2:26637176-26640244	11.9995	10.9677	-0.1297	0.533764
Snora43	chr2:26637847-26637974	12.9427	7.1539	-0.8553	0.392330
Zer1	chr2:30097282-30124585	10.4231	9.8111	-0.0873	0.612642
Swi5	chr2:32278815-32288075	32.1971	29.2867	-0.1367	0.672188
Zbtb26	chr2:37432167-37443121	7.9025	7.3285	-0.1088	0.505197
Mettl5	chr2:69871197-69885615	16.6076	15.4700	-0.1024	0.443853
Gorasp2	chr2:70661575-70712636	22.4770	21.3769	-0.0724	0.481785
Dync1i2	chr2:71211705-71263303	14.2897	15.3372	0.1021	0.314658
Wipf1	chr2:73429609-73529734	21.6374	20.1226	-0.1047	0.705651
Ptpmt1	chr2:90908715-90918258	11.7041	12.8092	0.1302	0.185107
D930015M05Rik	chr2:92408891-92432308	1.7951	1.2339	-0.5408	0.510585
Ccdc32	chr2:119017778-119029393	5.7288	6.8827	0.2648	0.528931
Wdr76	chr2:121506722-121544860	8.9909	9.9004	0.1390	0.484528
Slc24a5	chr2:125068123-125088677	8.5778	7.5519	-0.1838	0.559191
Shc4	chr2:125627446-125724148	1.0073	1.2628	0.3262	0.562079
Dtwd1	chr2:126152140-126165279	8.3050	7.1617	-0.2137	0.490415
Zfp661	chr2:127574661-127587094	0.9641	0.7844	-0.2976	0.476798
Il1b	chr2:129364569-129371139	0.7892	0.5272	-0.5821	0.431417
Snrpb	chr2:130171413-130179403	76.6944	83.1596	0.1168	0.548590
Gm11688	chr2:144261233-144261541	4.0203	6.9089	0.7811	0.502340
Slc24a3	chr2:145167753-145642166	0.8506	1.1835	0.4765	0.647509
Pygb	chr2:150786734-150831758	34.7891	37.1181	0.0935	0.408255
Nfs1	chr2:156078928-156144186	16.4042	15.4971	-0.0821	0.405046
Mybl2	chr2:163054686-163084688	2.0732	2.4878	0.2630	0.556064
Pabpc1	chr2:164025449-164050538	0.6828	0.4577	-0.5769	0.452215
Dbndd2	chr2:164486105-164493319	1.6277	1.9477	0.2590	0.455531
Gm14321	chr2:167777466-167782569	6.9765	5.6306	-0.3092	0.470784
Adrm1	chr2:180171484-180176286	5.8043	5.2005	-0.1585	0.625627
mt-Co1	chrM:5327-6872	2607.6938	2765.2277	0.0846	0.479981
Lrrcc1	chr3:14533787-14572658	11.0324	11.9857	0.1196	0.489383
Hltf	chr3:20057810-20118490	31.1102	29.5037	-0.0765	0.605985
Actl6a	chr3:32708545-32726968	35.3306	33.2077	-0.0894	0.568076
Serp1	chr3:58521968-58525873	92.6541	100.5156	0.1175	0.594253
Tlr2	chr3:83836272-83841767	3.3713	2.8160	-0.2596	0.634230

Pear1	chr3:87747889-87824306	9.9349	11.2045	0.1735	0.612140
Chtop	chr3:90498955-90509498	59.3614	63.6415	0.1004	0.473940
Anp32e	chr3:95929245-95947390	24.4540	22.7353	-0.1051	0.667476
Gm20633	chr3:96243549-96246380	1.1109	1.4811	0.4149	0.525713
Polr3c	chr3:96711489-96727628	18.0731	16.8142	-0.1042	0.559578
Bcl9	chr3:97203661-97228846	1.1520	0.9684	-0.2506	0.629407
Ptgrn	chr3:101040231-101110278	6.9855	6.3905	-0.1284	0.624277
Phtf1	chr3:103968109-104024598	15.5041	16.7477	0.1113	0.462011
Rap1a	chr3:105727266-105801330	42.2930	45.8430	0.1163	0.408649
Lamtor5	chr3:107278857-107284079	20.9340	23.5920	0.1724	0.303036
Rbm15	chr3:107326109-107333289	31.9805	30.1291	-0.0860	0.572238
Prpf38b	chr3:108902666-108911727	54.6449	52.4827	-0.0582	0.453726
S1pr1	chr3:115710432-115715055	161.6912	155.7543	-0.0540	0.463071
Gm26530	chr3:116488965-116493358	4.1730	4.8702	0.2229	0.499966
Hiat1	chr3:116631163-116681260	25.3588	27.4126	0.1124	0.437245
Frrs1	chr3:116878226-116903750	6.8605	5.9472	-0.2061	0.605932
Gclm	chr3:122245556-122269984	2.8209	3.1989	0.1814	0.329853
Slc9b2	chr3:135307699-135342767	4.3011	3.7831	-0.1851	0.498328
Odf2l	chr3:145118588-145153915	3.4116	4.0594	0.2508	0.404076
Tmem55a	chr4:14864075-14915176	7.7399	8.7938	0.1842	0.294598
Ube2r2	chr4:41135742-41193380	21.9118	20.6357	-0.0866	0.545324
Abca1	chr4:53030786-53159895	3.2776	3.6711	0.1636	0.492052
Fktn	chr4:53713997-53765785	3.0604	2.7524	-0.1530	0.551037
Haus6	chr4:86578854-86612055	9.0521	9.9092	0.1305	0.484538
Mysm1	chr4:94942039-94979100	22.3949	21.4433	-0.0626	0.351004
Tm2d1	chr4:98355369-98383306	7.6610	6.3616	-0.2681	0.553884
Tceanc2	chr4:107134154-107179116	6.8851	6.4455	-0.0952	0.426554
Coa7	chr4:108328139-108341544	5.5651	4.9142	-0.1794	0.647130
Kti12	chr4:108847856-108849412	24.9401	22.8527	-0.1261	0.552415
Nsun4	chr4:116032841-116053876	8.4138	9.6239	0.1939	0.590972
Zmpste24	chr4:121059236-121098241	8.7292	9.6310	0.1418	0.482793
Zc3h12a	chr4:125118422-125127840	11.8577	13.1501	0.1493	0.426501
Ago4	chr4:126489540-126533472	0.2146	0.1310	-0.7121	0.543505
Lck	chr4:129548343-129573641	186.8882	199.5918	0.0949	0.480602
Shhg3	chr4:132348013-132353686	288.1736	356.6325	0.3075	0.557747
Snora73a	chr4:132352774-132352979	1308.8858	1617.3979	0.3053	0.571082
E2f2	chr4:136172393-136196057	18.0536	19.9417	0.1435	0.583447
Alpl	chr4:137741732-137796384	1.8743	1.5265	-0.2961	0.610248
Gm13068	chr4:149748517-149749607	1.6712	2.3611	0.4985	0.487783
Park7	chr4:150897132-150914437	36.7436	40.0363	0.1238	0.474510
Per3	chr4:151003651-151044665	0.5916	0.7484	0.3393	0.537468
Zbtb48	chr4:152019773-152027671	5.4336	6.3497	0.2248	0.584526
Acot7	chr4:152178133-152271855	36.7656	40.3149	0.1330	0.550776
Smim1	chr4:154020469-154026230	3.2445	2.9314	-0.1464	0.363201
Agri	chr4:156165289-156197488	2.3066	2.6112	0.1790	0.411733
Gamt	chr10:80258150-80261012	1.1128	0.6363	-0.8063	0.544065
Gm26876	chr10:128645883-128649811	0.3422	0.5689	0.7335	0.321690
Etaa1os	chr11:17953969-17959578	1.9734	2.9660	0.5878	0.511831
Wdpcp	chr11:21572234-21898989	0.3475	0.5262	0.5985	0.392557
Nipal4	chr11:46148154-46166508	0.4252	0.2854	-0.5754	0.475716
Gm12346	chr11:77293443-77295898	0.3335	0.1823	-0.8716	0.521134
Snord42a	chr11:78181298-78181363	13.1633	22.0281	0.7428	0.388718
Gm10478	chr12:20896238-20896638	1.0785	2.4756	1.1987	0.543238
Fam150b	chr12:30884321-30893854	0.5833	0.3711	-0.6525	0.142647
Gm5436	chr12:84258331-84258973	1.0312	1.9926	0.9504	0.444013
Gm15478	chr5:67642400-67646776	0.4967	0.7966	0.6813	0.425953
NA	chr5:139378219-139379259	0.8001	0.3691	-1.1161	0.430692
Gm7887	chr6:48524371-48525105	1.1377	1.8589	0.7083	0.443041
Podxl2	chr6:88842557-88875044	0.1715	0.2928	0.7719	0.357941
Rassf4	chr6:116633007-116673836	0.2849	0.4386	0.6224	0.476684
Klrb1f	chr6:129045900-129057471	0.8309	1.2491	0.5882	0.359685
Gm26610	chr7:30650384-30652711	1.1664	1.8867	0.6938	0.429340
Plekha4	chr7:45526329-45554229	0.0919	0.2058	1.1630	0.480882
B230325K18Rik	chr7:127983078-127985701	2.9612	2.2687	-0.3843	0.639206
Tnnt3	chr7:142498835-142516009	1.9936	3.0263	0.6022	0.504353
Gm26909	chr8:22644860-22646286	1.5726	2.5737	0.7107	0.329566
Lrp2bp	chr8:45999302-46029477	0.2636	0.4096	0.6359	0.473220
Gm17072	chr8:81827662-81829275	2.7713	5.3584	0.9513	0.426126
Gnao1	chr8:93809965-93969388	0.1509	0.2509	0.7332	0.471400
Mtss1l	chr8:110721475-110741400	0.0962	0.1641	0.7703	0.360828
Kirrel3os	chr9:34918232-34929509	0.3610	0.1905	-0.9223	0.501822

Cdhr4	chr9:107983286-107999684	0.5789	0.8865	0.6148	0.528705
Amt	chr9:108296852-108301571	1.2543	1.9219	0.6156	0.423058
5730405O15Rik	chrX:13042014-13045297	2.1072	2.9432	0.4821	0.425420
Dnajb7	chr15:81407087-81408273	0.7575	1.2360	0.7062	0.408813
Mtrf1	chr14:79397771-79423650	1.9322	3.7448	0.9546	0.293222
H2-Q10	chr17:35470088-35474563	0.4993	0.3177	-0.6522	0.590852
Zfp119b	chr17:55938552-55945174	6.0618	7.8517	0.3733	0.529302
Tmcc2	chr1:132356314-132391281	0.1749	0.2837	0.6980	0.263648
Cfap45	chr1:172521043-172545870	0.1325	0.2971	1.1645	0.394202
Gm15480	chr1:179538416-179538935	3.6519	2.3525	-0.6345	0.481553
A430105J06Rik	chr1:186749395-186752921	0.5395	0.9456	0.8096	0.434138
9230102O04Rik	chr2:9883040-9889540	0.8041	1.3944	0.7941	0.423157
Gm13341	chr2:22587290-22587962	0.6083	1.0835	0.8329	0.250935
Gm14168	chr2:156571791-156577457	0.3313	0.5346	0.6901	0.329164
4930405A21Rik	chr2:156714539-156720909	1.1205	0.6608	-0.7619	0.527888
Gm14305	chr2:176708327-176721813	0.6066	0.9305	0.6172	0.465955
Gm14295	chr2:176798611-176811223	1.2168	2.2279	0.8726	0.234267
NA	chr18:50046739-50047152	1.2153	2.7546	1.1806	0.520704
Selenbp1	chr3:94933055-94944758	0.1504	0.3226	1.1008	0.363240
Gm16253	chr3:96576983-96580663	2.2546	3.4971	0.6333	0.332912
A530072M11Rik	chr4:16164109-16266225	0.5603	0.9342	0.7376	0.525370
Zfyve9	chr4:108637465-108780798	0.3637	0.2455	-0.5671	0.508913
Foxd2	chr4:114906279-114908898	0.2759	0.4868	0.8193	0.459174
Cited4	chr4:120666562-120667820	0.8834	0.4951	-0.8354	0.478755
Gm12905	chr4:123905061-123917269	0.7322	1.4432	0.9791	0.460783
Gm13154	chr4:147553276-147585198	0.5025	0.2756	-0.8667	0.408471
Metrn1	chr11:121701543-121716306	0.6663	1.1656	0.8067	0.526864
Dmpk	chr7:19083848-19093821	0.1952	0.0970	-1.0082	0.574635
Klk1b27	chr7:44052289-44056705	0.4326	0.9004	1.0578	0.447737
Gm16177	chr8:86659317-86660035	1.4256	0.7759	-0.8777	0.588586
Snora34	chr15:98519715-98519853	7.8383	4.0494	-0.9528	0.533586
Rbm11	chr16:75592843-75602829	0.1782	0.3588	1.0099	0.452150
1700092M07Rik	chr19:8740717-8741225	1.3565	2.4250	0.8381	0.329088
Gm17214	chr3:69320044-69320585	2.3847	1.2957	-0.8801	0.605720
Gm13097	chr4:149478665-149483531	1.1814	0.5257	-1.1683	0.556834
Wdr78	chr4:103038064-103114555	1.6030	1.3962	-0.1993	0.577230
Gm15898	chr8:120095059-120097736	2.9637	4.7757	0.6883	0.685033
Pak4	chr7:28558818-28598185	2.9703	2.5350	-0.2286	0.548948
Fam166a	chr2:25218744-2522280	3.2837	2.2426	-0.5501	0.574368
Ehd4	chr2:120089174-120154606	5.5070	6.1707	0.1642	0.454465
Mettl25	chr10:105763188-105841380	5.9109	5.2435	-0.1728	0.522062
Unc13d	chr11:116062094-116077961	54.7557	51.9621	-0.0756	0.686915
Gxylt1	chr15:93239741-93275161	5.5290	6.0660	0.1337	0.348280
Gpr137c	chr14:45219718-45281230	0.3779	0.2634	-0.5210	0.210906
Rhbdl1	chr17:25834468-25837157	5.9650	4.9828	-0.2596	0.584414
Ppp1r18os	chr17:35860917-35866886	4.3619	5.7297	0.3935	0.620953
Fastkd2	chr1:63730613-63754655	6.0567	6.7095	0.1477	0.473551
Ralb	chr1:119470304-119504794	3.4048	3.0573	-0.1553	0.430136
Bmi1	chr2:18677017-18686629	26.7066	24.7864	-0.1076	0.691180
Psd4	chr2:24367579-24409182	67.1963	64.6158	-0.0565	0.619045
Arhgap29	chr3:121953228-122016677	0.4237	0.6176	0.5438	0.544462
Fam132a	chr4:155962317-155966629	7.3061	8.7817	0.2654	0.530005
4930595D18Rik	chr12:111159849-111184491	3.3379	2.2370	-0.5774	0.573775
Rin1	chr19:5050807-5057071	0.2175	0.3595	0.7251	0.518629
Gm12363	chr4:34842984-34843652	1.6844	0.9225	-0.8685	0.440661
Nudt2	chr4:41465150-41480926	10.1649	8.5313	-0.2528	0.547061
Gm16234	chr10:14664219-14668318	12.9631	15.1912	0.2288	0.456985
Pias4	chr10:81153265-81167923	7.3273	6.7235	-0.1241	0.610731
Klhl10	chr11:100441916-100457022	0.5700	0.3478	-0.7129	0.471056
Stat3	chr11:100885097-100939540	36.8529	39.1038	0.0855	0.408612
Tbc1d16	chr11:119143044-119228499	0.8131	0.6497	-0.3237	0.566135
Gm20604	chr12:102741731-102758672	6.4906	7.3401	0.1774	0.373176
Nin1	chr13:49187484-49196244	5.1470	6.1962	0.2677	0.535219
Gm5665	chr13:62699405-62726689	0.9147	0.5875	-0.6386	0.554324
Mcm2	chr6:88883474-88898780	56.1803	53.4476	-0.0719	0.657578
BC064078	chr6:128992960-129008040	4.5581	5.2107	0.1930	0.194491
Leng1	chr7:3660097-3665840	10.7200	9.7401	-0.1436	0.566097
Fam168a	chr7:100706650-100841628	6.0816	5.6668	-0.1019	0.500200
Zfp553	chr7:127233060-127238179	12.7427	11.8462	-0.1052	0.546379
Srpr	chr9:35200174-35247973	21.9954	23.8616	0.1175	0.478799
C030014I23Rik	chr9:44477923-44482180	0.8707	0.6148	-0.5020	0.524605

Ssr4	chrX:73787027-73790830	22.0042	23.8320	0.1151	0.455454
Synj2	chr17:5941279-6044290	9.7064	9.0722	-0.0975	0.664974
Dhx57	chr17:80238303-80290476	17.8146	19.2872	0.1146	0.471872
Gm15789	chr1:66783912-66786445	1.8459	1.3748	-0.4251	0.361317
Phlda3	chr1:135766118-135769136	1.7622	1.3700	-0.3632	0.247545
Lbr	chr1:181815315-181842401	106.6102	112.3892	0.0762	0.128420
5830417110Rik	chr3:88775215-88826328	3.4028	3.1562	-0.1085	0.512022
Tnc	chr4:63959784-64047015	0.6547	0.8650	0.4020	0.662556
lft74	chr4:94614490-94693229	2.4950	1.9743	-0.3377	0.601810
3110007F17Rik	chrX:123103494-123188795	0.0840	0.1470	0.8082	0.287961
Stx19	chr16:62814675-62824346	0.5272	0.8123	0.6237	0.506340
Peak1os	chr9:56257889-56267780	1.3516	2.1094	0.6422	0.543488
ll17rd	chr14:27039000-27107286	0.1375	0.0823	-0.7407	0.590849
Gstt3	chr10:75774114-75781414	1.8551	2.2994	0.3098	0.461948
Gm16172	chr17:45663518-45666209	2.5161	3.4953	0.4742	0.422991
C1ql3	chr2:13003456-13011747	0.5962	0.9197	0.6254	0.458717
Zscan20	chr4:128583538-128610098	3.5496	3.1870	-0.1555	0.686099
Zfp593	chr4:134243288-134245592	11.1899	10.2725	-0.1234	0.440991
Slc12a5	chr2:164960815-164999727	0.1435	0.2200	0.6163	0.450929
Ddb1	chr19:10605624-10629813	113.2880	108.6523	-0.0603	0.653781
Fbxo18	chr2:11742572-11777582	16.0275	17.2907	0.1094	0.415429
Zfr2	chr10:81233154-81252123	0.8354	1.0159	0.2823	0.465067
Dnajc14	chr10:128803675-128819446	36.6857	35.3487	-0.0536	0.212267
Ero1lb	chr13:12565882-12609526	5.3032	4.8628	-0.1251	0.387887
Zfp131	chr13:119765186-119790805	32.5432	30.7826	-0.0802	0.593770
Gm26205	chr5:121205009-121205143	21.4023	16.0995	-0.4108	0.468572
Scarb1	chr5:125277086-125341094	2.6875	2.4341	-0.1429	0.326994
Gm13833	chr6:31102845-31104646	5.2913	7.0713	0.4184	0.659749
Slc41a3	chr6:90604724-90646412	2.9674	3.4671	0.2245	0.354157
Zfand4	chr6:116264221-116330298	1.3701	1.1074	-0.3071	0.496192
Ppfbp1	chr6:14688486-147032025	3.2006	3.5513	0.1500	0.492310
1700049G17Rik	chr7:27907391-27929460	1.2609	1.6089	0.3517	0.576282
Pak1	chr7:97842934-97912381	2.2921	2.7229	0.2485	0.484648
Birc3	chr9:7848698-7873186	28.8258	30.6274	0.0875	0.167114
Anp32a	chr9:62341292-62378812	57.2407	62.3418	0.1232	0.623306
Gm16185	chr9:97085325-97088610	8.9147	8.0841	-0.1411	0.658709
Snrk	chr9:122117282-122169702	18.4286	17.5723	-0.0686	0.534855
Rbm10	chrX:20617502-20650901	15.0823	16.3871	0.1197	0.434317
Taz	chrX:74281911-74290151	14.4737	13.6822	-0.0811	0.527509
Ctps2	chrX:162901237-163032508	28.5466	30.4343	0.0924	0.305866
Rhebl1	chr15:98877777-98881404	3.6384	3.0874	-0.2369	0.482964
Tdrd3	chr14:87416638-87545373	6.7716	6.2883	-0.1068	0.536096
Smarcal1	chr1:72583250-72633134	8.5764	9.3147	0.1191	0.373316
Gm24871	chr1:171503047-171503163	66.0250	85.8054	0.3781	0.749313
Adnp2	chr18:80126337-80151482	8.5003	9.3630	0.1395	0.496595
Commd3	chr2:18672383-18676231	32.3290	35.0934	0.1184	0.481341
Mapre1	chr2:153741273-153773310	20.4328	22.1283	0.1150	0.571624
Pltp	chr2:164839517-164857711	2.8877	3.3868	0.2300	0.265388
Mtfr1	chr3:19187326-19220817	8.5944	9.4874	0.1426	0.483950
Lrrc47	chr4:154011730-154021513	13.5934	12.6973	-0.0984	0.537825
4933406P04Rik	chr10:20310505-20312294	2.1893	1.4757	-0.5691	0.598573
Gm16240	chr10:76293164-76294860	2.2091	1.3971	-0.6610	0.548508
Gm16312	chr19:4000757-4001232	4.6384	6.5771	0.5038	0.529071
Gm5528	chr1:72004287-72004770	2.3265	1.3543	-0.7806	0.619801
NA	chr3:88242873-88287210	0.4326	0.2099	-1.0432	0.585463
Ank1	chr8:22974843-23150497	0.0283	0.0612	1.1140	0.496244
Gm16725	chr8:18652800-18678056	0.8881	0.4860	-0.8696	0.446504
Stx6	chr1:155158702-155203517	50.0787	54.3319	0.1176	0.581891
Slc19a1	chr10:77032240-77061002	7.7799	7.1538	-0.1210	0.628644
NA	chr5:134176357-134176956	2.8143	2.0080	-0.4870	0.380274
Dbp	chr7:45705087-45710155	8.8127	7.9983	-0.1399	0.590810
Lemd3	chr10:120923412-120979332	12.8985	13.9687	0.1150	0.393882
Cyfp2	chr11:46193849-46312859	36.9590	35.2702	-0.0675	0.667151
Pdcd6	chr13:74303120-74317326	48.3396	45.6375	-0.0830	0.542546
F2rl1	chr13:95511731-95525240	8.6133	9.8657	0.1958	0.623952
Zfp956	chr6:47953389-47965300	11.4277	10.4495	-0.1291	0.588082
Immt	chr6:71831330-71875257	36.9013	35.1176	-0.0715	0.631122
Cd27	chr6:125232621-125237010	147.1277	140.8312	-0.0631	0.683632
D6Wsu163e	chr6:126939965-126975704	6.7544	7.9159	0.2289	0.542135
Nradd	chr9:110621136-110624393	1.5802	2.3547	0.5754	0.439961
Snx12	chrX:101097785-101222563	11.7687	10.8564	-0.1164	0.585494

Gm6712	chr17:17316077-17319511	14.6394	12.0349	-0.2826	0.591327
4930509G22Rik	chr16:11178175-11192292	0.6428	0.4414	-0.5422	0.492534
Atrnl1	chr19:57611033-58133338	1.5449	1.3194	-0.2277	0.568832
Rrp15	chr1:186720977-186749358	13.7683	12.4450	-0.1458	0.722872
Wdr33	chr18:31804056-31908987	22.6560	21.7014	-0.0621	0.484770
Elmo2	chr2:165288030-165326479	8.4469	9.1343	0.1129	0.346100
Dnajb14	chr3:137867674-137916557	2.4527	2.7246	0.1516	0.528392
Mob3b	chr4:34949073-35157484	0.4902	0.3853	-0.3475	0.274623
Gm11889	chr4:23517361-23518440	0.8313	0.4556	-0.8677	0.435356
Dgcr6	chr16:18052859-18071632	3.4429	2.9825	-0.2071	0.492788
Gm14337	chr2:173984481-173984691	11.5337	17.3687	0.5906	0.558853
Tsen15	chr1:152370734-152386688	3.8100	3.1767	-0.2623	0.633960
5830416P10Rik	chr19:53441211-53464796	3.1419	2.8082	-0.1620	0.699802
Dlgap4	chr2:156613704-156764363	6.9701	6.5349	-0.0930	0.579269
Gm6517	chr5:66890363-66890884	6.5451	8.3007	0.3428	0.405208
Sesn1	chr10:41810573-41908424	56.7047	53.6362	-0.0803	0.679164
Dtx3	chr10:127190377-127195728	23.0504	25.2591	0.1320	0.545766
Cops3	chr11:59817794-59839838	25.5460	27.4246	0.1024	0.363850
Gm9970	chr5:31240674-31241232	1.7651	2.5217	0.5146	0.176768
Ghrl	chr6:113716118-113719880	7.4761	5.5255	-0.4362	0.680846
Myo9b	chr8:71272713-71360712	43.2575	41.0722	-0.0748	0.701545
NA	chr9:88723287-88731850	2.9923	2.1393	-0.4841	0.624849
Praf2	chrX:7728438-7731064	5.5171	6.7913	0.2998	0.531824
Ccnf	chr17:24223231-24251409	9.3255	10.5028	0.1715	0.601115
Fabp5	chr3:10012547-10016607	4.2205	3.7441	-0.1728	0.548001
Gm12799	chr4:102046567-102049127	0.5020	0.6941	0.4676	0.214542
NA	chr1:87796466-87796817	2.8363	4.5014	0.6664	0.447375
Traj57	chr14:54158504-54158569	13.3221	6.7295	-0.9853	0.581413
Reep3	chr10:67009188-67096988	12.1433	13.0828	0.1075	0.343782
Gm15915	chr10:93674217-93683322	0.5731	1.0923	0.9305	0.521655
Tmem194	chr10:127666900-127701049	5.6401	6.1695	0.1294	0.467281
Sgsm2	chr11:74849260-74897060	2.3673	2.1235	-0.1568	0.531351
Eif2b2	chr12:85219480-85226628	23.6231	26.1124	0.1445	0.559513
0610007P14Rik	chr12:85815447-85824550	9.4359	10.3916	0.1392	0.532552
Iscu	chr5:113772747-113778288	8.4533	7.5120	-0.1703	0.578272
Fbxo21	chr5:117976769-118010191	8.6599	7.9722	-0.1194	0.581570
Mrpl53	chr6:83109094-83109939	17.0730	19.5216	0.1934	0.335756
Man2c1os	chr9:57099949-57131290	6.6066	7.4495	0.1732	0.200929
Polr2m	chr9:71478436-71485935	63.6963	61.0974	-0.0601	0.541229
Gm26448	chr9:120129350-120129553	199.0490	254.6878	0.3556	0.571937
Ptger4	chr15:5206660-5244187	24.8054	26.6620	0.1041	0.529464
Ccdc167	chr17:29689377-29717012	13.2102	14.3218	0.1166	0.446680
Zbtb3	chr19:8802529-8804854	2.3150	2.7938	0.2712	0.173405
Ica1l	chr1:59989069-60043087	1.6951	2.0412	0.2680	0.513854
2810408M09Rik	chr2:165490109-165493324	9.8954	9.0677	-0.1260	0.401051
Gm12474	chr3:100489663-100523920	1.0378	0.6389	-0.6999	0.469900
Gm26895	chr4:11980668-11988471	1.8989	1.0378	-0.8716	0.497795
Gm15859	chr16:4729868-4730809	0.9023	1.6513	0.8719	0.486360
Pim3	chr15:88862185-88865718	9.8219	8.6309	-0.1865	0.696650
Chmp4c	chr3:10366906-10391005	0.4081	0.6085	0.5762	0.160396
Hk1	chr10:62268854-62379908	24.2822	23.0203	-0.0770	0.695439
Dcakd	chr11:102994046-103028333	4.5168	3.8938	-0.2141	0.632922
Mapk3	chr7:126759600-126765819	11.3509	10.3170	-0.1378	0.570191
9430091E24Rik	chr8:111128885-111145480	9.7341	8.5499	-0.1871	0.537657
Zwilch	chr9:64137143-64173104	3.8775	3.4672	-0.1614	0.537589
Ercc6l	chrX:102141715-102157091	5.6331	4.9970	-0.1729	0.676540
Traj13	chr14:54205740-54205797	53.5036	39.4265	-0.4405	0.565313
Amdhd2	chr17:24155832-24163766	7.8931	8.9164	0.1759	0.513737
Cyp26c1	chr19:37685580-37693398	0.7275	0.5078	-0.5187	0.154846
Gm12966	chr4:129899092-129899902	15.0698	13.1035	-0.2017	0.572257
Gm26316	chr11:101604849-101605040	5.2853	8.9917	0.7666	0.601703
Dnajc25	chr4:58995061-59025573	1.0485	1.3705	0.3863	0.574475
Gm24996	chr2:75686739-75686838	3.5776	7.1845	1.0059	0.431760
Eif6	chr2:155819831-155826925	35.6519	33.9475	-0.0707	0.539036
Ptma	chr1:86526735-86530698	172.5831	163.6490	-0.0767	0.694995
Cap2	chr13:46501847-46649642	1.2748	0.9216	-0.4681	0.629470
Mmp19	chr10:128790952-128800824	0.3925	0.5925	0.5942	0.404554
Actr2	chr11:20062303-20112913	61.0089	64.9915	0.0912	0.497518
Calm3	chr7:16915378-16924114	123.9843	133.3760	0.1053	0.608014
Uri1	chr7:37960001-38019542	17.8014	19.3058	0.1170	0.435307
Sec23ip	chr7:128744869-128784836	18.7466	20.0299	0.0955	0.135202

Fam65a	chr8:105605228-105622194	2.8253	2.4896	-0.1824	0.495005
Ap2m1	chr16:20535477-20544909	9.1792	10.0969	0.1375	0.461261
Rpap1	chr2:119763303-119787537	8.0884	7.4791	-0.1130	0.655901
M6pr-ps	chr3:99500023-99502645	0.7226	0.5143	-0.4905	0.519818
Gm12802	chr4:107126612-107136252	1.4764	2.1347	0.5320	0.555350
Smcr8	chr11:60777524-60788287	19.5199	18.7297	-0.0596	0.496403
Hs1bp3	chr12:8313432-8343824	2.5446	2.9647	0.2204	0.151716
Gm21984	chr7:126942094-126952873	2.6675	1.9976	-0.4172	0.405689
Fam89b	chr19:5728086-5729653	28.0735	31.3628	0.1598	0.593150
Gm561	chr2:144594053-144595366	6.3667	8.4901	0.4152	0.556303
Syde1	chr10:78584502-78591964	1.0781	0.8536	-0.3369	0.465833
Gm19898	chr12:99245670-99245921	4.8830	2.9062	-0.7486	0.554835
Gm21839	chr5:135643954-135644336	1.9598	3.2071	0.7106	0.518721
2010001A14Rik	chr11:57795498-57801417	1.8582	2.6099	0.4901	0.409811
Gm15122	chr10:80282443-80283006	4.3458	3.0587	-0.5067	0.497878
Csrp2	chr10:110920176-110939599	4.0050	3.0511	-0.3925	0.577111
Rpl41	chr10:128548113-128549305	119.6163	139.8635	0.2256	0.556687
Tcn2	chr11:3917191-3932159	10.0066	9.1580	-0.1278	0.484694
Fancl	chr11:26386134-26471876	9.6050	8.7947	-0.1272	0.645850
Erlec1	chr11:30930773-30954335	6.1173	6.9165	0.1772	0.555792
2310031A07Rik	chr11:46440361-46447248	20.1216	22.5239	0.1627	0.365084
Nhp2	chr11:51619734-51623714	57.8584	52.8770	-0.1299	0.725575
Rnf167	chr11:70647234-70651421	68.1004	65.7551	-0.0506	0.522220
Nxn	chr11:76257197-76399140	4.6372	4.1702	-0.1531	0.494064
Acbd4	chr11:103101681-103112200	6.4108	7.1782	0.1631	0.421188
Eif4a3	chr11:119288362-119300089	49.3015	53.5720	0.1198	0.575467
Tmx1	chr12:70453094-70468040	21.7233	23.3404	0.1036	0.356183
Adck1	chr12:88360553-88461719	8.6637	9.6291	0.1524	0.302560
Otub2	chr12:103388681-103406350	2.5378	2.1916	-0.2115	0.561788
Slc30a9	chr5:67306954-67358565	10.3531	9.9000	-0.0646	0.407472
Gm26582	chr5:92043063-92055960	42.8713	46.1295	0.1057	0.526807
Sec31a	chr5:100361648-100416234	16.6496	15.9360	-0.0632	0.573497
Ung	chr5:114130385-114139323	11.2230	10.2850	-0.1259	0.573127
Mepce	chr5:137781905-137786715	29.5613	31.8479	0.1075	0.453539
Heatr2	chr5:139150222-139186510	8.4730	9.3253	0.1383	0.395063
Mtif3	chr5:146951572-146963800	15.6772	16.8844	0.1070	0.447488
Gemin7	chr7:19564945-19573823	11.8185	13.5007	0.1920	0.543472
Lipe	chr7:25379526-25398710	5.9111	5.2997	-0.1575	0.679773
Bcl2l12	chr7:44991221-44998712	11.8823	13.2473	0.1569	0.443367
Pgpep1l	chr7:68236607-68264233	3.7817	4.7307	0.3230	0.354927
Gm16157	chr7:68266338-68276594	6.1722	5.4076	-0.1908	0.232432
Snord14a	chr7:116333170-116333257	28.6432	38.0320	0.4090	0.563685
Ears2	chr7:122037212-122067263	4.2807	4.7567	0.1521	0.369593
Gm17023	chr8:13076076-13082740	9.0243	7.0576	-0.3546	0.573947
Fbxo25	chr8:13907805-13940521	15.5330	17.5446	0.1757	0.617000
Erich1	chr8:14027564-14090327	11.6805	10.5533	-0.1464	0.545839
6820431F20Rik	chr8:20262612-20297546	0.8831	0.7446	-0.2462	0.522814
Def8	chr8:123442985-123463270	3.5391	4.0169	0.1827	0.437241
Cep164	chr9:45766945-45828691	6.9016	6.4264	-0.1029	0.574032
Ulk4	chr9:120960267-121277197	3.7287	3.4310	-0.1200	0.562626
Xcr1	chr9:123852314-123862029	0.3547	0.2039	-0.7988	0.496316
Prkaa1	chr15:5143860-5181899	16.1102	17.3346	0.1057	0.398460
1810021B22Rik	chr15:89071195-89075852	0.9151	0.5411	-0.7580	0.483017
Cox14	chr15:99725617-99728136	24.9053	29.3098	0.2349	0.616159
Mettl3	chr14:52294667-52305128	24.9345	23.8035	-0.0670	0.540206
Hsf2bp	chr17:31944768-32034508	0.3825	0.5918	0.6296	0.450921
Rab5a	chr17:53479233-53507671	23.9682	22.4806	-0.0924	0.575654
Gm11110	chr17:57092034-57105942	6.4772	7.7400	0.2570	0.414130
Pmm2	chr16:8637673-8657531	21.8171	20.6908	-0.0765	0.599392
Tmem191c	chr16:17276299-17283229	10.7187	9.6341	-0.1539	0.700590
Runx1	chr16:92601466-92826066	8.6240	8.1007	-0.0903	0.637298
Pank1	chr19:34810893-34879455	0.5180	0.6872	0.4079	0.287913
Pikfyve	chr1:65186749-65274012	22.0463	21.0785	-0.0648	0.578061
Ramp1	chr1:91179821-91225196	13.1095	14.5704	0.1524	0.571433
Fh1	chr1:175600373-175625635	17.8343	19.3363	0.1167	0.475423
Disp1	chr1:183086263-183221529	7.2662	6.7176	-0.1133	0.582755
Mapre2	chr18:23752332-23893861	3.2718	3.6233	0.1472	0.544660
Stard4	chr18:33199354-33213862	6.0855	6.7468	0.1488	0.512774
Notch1	chr2:26457902-26516663	22.4684	19.9476	-0.1717	0.652006
Rapgef1	chr2:29619719-29740978	35.6484	34.1520	-0.0619	0.663595
Coq4	chr2:29787492-29797935	1.1702	1.4768	0.3358	0.487001

BC005624	chr2:30972832-30982201	13.7979	15.1676	0.1365	0.450085
Gm13818	chr2:93794569-93795084	1.5101	0.7933	-0.9287	0.592595
Gm14048	chr2:130880865-130882133	1.5787	2.3455	0.5712	0.487677
Ptpn1	chr2:167932056-167979385	38.8260	41.5251	0.0970	0.528651
Crtc2	chr3:90254162-90264125	5.7771	5.3403	-0.1134	0.142110
Mcl1	chr3:95658720-95663176	230.7324	224.2674	-0.0410	0.426881
Pla2g12a	chr3:129878621-129895821	7.4882	6.5278	-0.1980	0.580489
Gm26643	chr4:43030998-43032482	4.9186	4.1145	-0.2575	0.555074
Zbtb8os	chr4:129335694-129354547	3.2735	3.7551	0.1980	0.509219
Sec61g	chr11:16500529-16508484	1.1841	1.6863	0.5101	0.469132
Clhc1	chr11:29547949-29578367	0.8092	1.1946	0.5620	0.413952
NA	chr9:96747280-96752727	0.7065	0.4483	-0.6564	0.447240
Bend6	chr1:33852051-33907816	0.8257	0.5329	-0.6318	0.534437
Gm1043	chr5:37185896-37193023	0.2577	0.4547	0.8194	0.321477
Ccdc79	chr8:104446718-104509910	0.1003	0.2084	1.0558	0.601426
Mir29c	chr1:195037546-195037634	4.2675	7.9327	0.8944	0.394518
Ptcd1	chr5:145147513-145167108	16.2591	15.3192	-0.0859	0.552413
Mdfic	chr6:15720660-15802165	11.3618	12.3161	0.1164	0.549151
Zfp260	chr7:30094776-30107622	26.0256	28.0969	0.1105	0.603489
Gm10653	chr9:62841476-62868000	2.9195	2.2618	-0.3683	0.609245
Faim	chr9:98986372-99002018	27.2057	25.0449	-0.1194	0.554529
Ppic	chr18:53406340-53418007	4.9134	4.2013	-0.2259	0.329787
Seh1l	chr18:6774875-67795461	24.2123	22.7575	-0.0894	0.660615
Actr3b	chr5:25759996-25850342	0.3384	0.5947	0.8132	0.422781
Scgb3a1	chr11:49663609-49665118	1.7570	0.9763	-0.8478	0.408043
Gm10135	chr5:72965807-72974702	64.4776	71.9408	0.1580	0.129497
Rpl37	chr15:5116612-5119140	97.5836	116.6044	0.2569	0.539946
Spice1	chr16:44347120-44388497	6.2668	5.7906	-0.1140	0.584669
Tubb5	chr17:35833925-35838306	343.6219	366.9364	0.0947	0.599404
Rab32	chr10:10545010-10558233	2.2601	2.8220	0.3203	0.533780
Tk1	chr11:117815525-117826092	5.9577	6.5648	0.1400	0.469625
Hsd1l	chr8:119561978-119575200	33.5807	31.7267	-0.0819	0.653285
Phf5a	chr15:81865318-81871911	39.7934	44.0476	0.1465	0.561952
Pmm1	chr15:81951107-81960930	6.0349	5.4685	-0.1422	0.434623
Psmb5	chr14:54614119-54617995	28.8511	26.6748	-0.1132	0.403372
Gm17103	chr16:38569322-38573300	3.1620	4.4117	0.4805	0.555483
9530080011Rik	chr4:95959714-95967655	0.9130	1.2763	0.4833	0.520109
Gm20645	chr11:23736846-23740357	8.0343	8.9785	0.1603	0.583797
Aebp2	chr6:140622448-140678472	22.5982	24.0488	0.0898	0.404193
Mst1	chr9:108080435-108085027	5.0360	4.4107	-0.1913	0.597318
Gm20470	chr10:7743519-7761099	47.6361	56.1576	0.2374	0.614057
4930519F09Rik	chr10:28880920-28923507	4.9432	4.0332	-0.2935	0.638224
Bend3	chr10:43479139-43515396	2.8424	2.6037	-0.1265	0.332924
Nus1	chr10:52417546-52440192	12.0042	11.1317	-0.1089	0.706254
Scamp4	chr10:80602881-80615783	19.1612	17.7731	-0.1085	0.602452
Gna15	chr10:81502305-81524225	13.8130	15.3669	0.1538	0.546255
Aes	chr10:81559493-81566362	195.8613	213.4164	0.1238	0.693319
Tle6	chr10:81590903-81601073	0.3046	0.1555	-0.9707	0.554723
1190007I07Rik	chr10:82619850-82623196	8.1524	7.0257	-0.2146	0.419859
Ikkip	chr10:91082939-91102607	1.9016	2.2333	0.2320	0.594908
Cand1	chr10:119199254-119240055	30.2664	29.2621	-0.0487	0.544502
Gli1	chr10:127329888-127341589	3.7357	4.3070	0.2053	0.559906
Gm11975	chr11:6559022-6559503	2.5295	1.6233	-0.6399	0.543454
Akt2-ps	chr11:16514532-16515981	2.9548	2.1813	-0.4379	0.647195
Chac2	chr11:30976706-30986350	2.8712	2.3074	-0.3154	0.550947
Nsg2	chr11:32000462-32059202	56.8439	53.3538	-0.0914	0.747854
Gm16034	chr11:46143896-46145014	29.0393	26.0078	-0.1591	0.500561
4930412M03Rik	chr11:60112218-60115230	6.4811	5.4679	-0.2452	0.647104
Gsg2	chr11:73135484-73138294	10.4839	11.8022	0.1709	0.627548
Gm26836	chr11:75745071-75761195	4.8881	4.2018	-0.2183	0.533169
Traf4	chr11:78158498-78165589	9.3431	8.5267	-0.1319	0.687504
Rab11fip4	chr11:79591211-79698023	17.8532	19.3206	0.1140	0.616399
Sfn10-ps	chr11:83028129-83040042	12.1840	11.2690	-0.1126	0.645228
Ppm1d	chr11:85311243-85347066	14.3309	13.5112	-0.0850	0.448278
C030037D09Rik	chr11:88718644-88728893	0.7572	0.5694	-0.4114	0.582129
Nme2	chr11:93949813-93956259	42.7899	48.3431	0.1760	0.678428
4833417C18Rik	chr11:95858864-95861044	2.5065	1.9813	-0.3392	0.496201
Gm11613	chr11:97644183-97660367	1.6685	2.0970	0.3298	0.438721
Psmc3	chr11:98682553-98695979	20.9328	19.9195	-0.0716	0.642358
Ifi35	chr11:101448406-101458698	53.0588	50.4708	-0.0721	0.626129
Cep112os2	chr11:108820332-108826942	0.0921	0.1575	0.7739	0.338013

Wbp2	chr11:116078572-116086995	11.0945	12.1295	0.1287	0.496534
1810043H04Rik	chr11:120098927-120100704	10.2869	12.6147	0.2943	0.601367
BC017643	chr11:121222587-121229322	24.2263	23.3118	-0.0555	0.175609
Gm26517	chr12:51888014-51889459	6.6381	7.8860	0.2485	0.528306
Insm2	chr12:55598916-55602018	0.1356	0.2602	0.9408	0.553038
D130020L05Rik	chr12:101082480-101088927	16.7900	15.3868	-0.1259	0.682469
Ccnk	chr12:108179737-108203359	7.2734	6.4883	-0.1648	0.676649
Abt1	chr13:23421538-23423866	17.4692	16.1012	-0.1176	0.493442
Nqo2	chr13:33964658-33988465	3.5144	3.1862	-0.1414	0.379036
Txncd5	chr13:38500272-38528824	21.9544	23.6235	0.1057	0.523281
Zfp346	chr13:55105310-55134825	8.2791	7.7073	-0.1032	0.574677
Caml	chr13:55623004-55632411	13.4404	15.0576	0.1639	0.553253
Erap1	chr13:74639871-74691875	70.0701	74.1570	0.0818	0.456290
Kif2a	chr13:106958995-107022126	7.4263	6.9028	-0.1055	0.629972
Orc5	chr5:22486484-22550429	16.6447	18.1673	0.1263	0.572529
Arap2	chr5:62602444-62766198	29.6853	28.6466	-0.0514	0.601015
Uba6	chr5:86110719-86172803	15.5865	16.7895	0.1073	0.577701
Hnrnpdl	chr5:100033576-100039664	75.8894	72.9959	-0.0561	0.684187
Snord21	chr5:107904554-107904648	79.3325	65.9899	-0.2657	0.612962
Dr1	chr5:108268896-108280526	26.1807	28.3321	0.1139	0.564443
Gm13789	chr5:114363414-114365357	23.4042	26.5261	0.1806	0.560972
Acad10	chr5:121621025-121660514	1.7600	2.0643	0.2301	0.600237
Abcb9	chr5:124061529-124095798	9.0295	9.9549	0.1408	0.575129
Mospd3	chr5:137596644-137601058	1.6112	2.0105	0.3194	0.157381
Sun1	chr5:139200636-139249840	15.9410	15.2777	-0.0613	0.580817
3110082I17Rik	chr5:139359738-139460502	6.5538	5.6347	-0.2180	0.594734
Tmem184a	chr5:139802484-139819917	1.1610	0.9760	-0.2504	0.452514
Usp42	chr5:143710324-143732280	7.2088	6.6144	-0.1242	0.722823
Pdap1	chr5:145128768-145140238	27.7382	25.7659	-0.1064	0.697842
Podxl	chr6:31519487-31563981	0.5395	0.4314	-0.3226	0.239556
3110062M04Rik	chr6:34871770-34878060	8.1091	9.0171	0.1531	0.568102
Gm15863	chr6:54635188-54643350	0.2773	0.4184	0.5934	0.519923
Abcg2	chr6:58584522-58692869	2.2414	2.6235	0.2271	0.633315
Il12rb2	chr6:67291317-67376188	3.2316	2.8539	-0.1793	0.555595
Gm15612	chr6:88842853-88847274	0.8024	0.6099	-0.3959	0.425361
Ogg1	chr6:113326971-113335068	6.9037	5.9304	-0.2192	0.670144
Leprel2	chr6:124841088-124857752	0.1267	0.2211	0.8033	0.535851
Loh12cr1	chr6:134639626-134711184	6.3678	7.2741	0.1920	0.394995
Mettl20	chr6:149139848-149151171	17.5081	16.3658	-0.0973	0.571918
Zfp606	chr7:12478292-12496235	3.6957	3.3997	-0.1205	0.592086
D930028M14Rik	chr7:25152456-25156623	1.8986	2.6148	0.4617	0.560951
Aplp1	chr7:30434980-30445582	2.5196	3.0657	0.2831	0.543649
Peptd	chr7:34912378-35044710	12.8181	11.8627	-0.1118	0.643752
Lrp3	chr7:35200026-35215370	0.7924	0.9852	0.3141	0.522674
AI987944	chr7:41373771-41393260	21.7817	23.8091	0.1284	0.508977
Ctu1	chr7:43672015-43678298	5.2788	6.0752	0.2027	0.485654
Prrg2	chr7:45053612-45062677	2.0077	1.5584	-0.3655	0.685637
Nav2	chr7:49246188-49610087	1.6486	2.1856	0.4067	0.602658
Atp10a	chr7:58658201-58829426	19.7265	21.1822	0.1027	0.525907
Fah	chr7:84585158-84606722	3.3722	4.0024	0.2472	0.484593
l7Rn6	chr7:89917528-89941199	5.9495	6.9321	0.2205	0.575939
Gm9905	chr7:121033251-121035096	2.2342	1.8323	-0.2861	0.410584
Rabep2	chr7:126428758-126449245	10.9768	10.2011	-0.1057	0.695185
Ppp4c	chr7:126785906-126792471	121.9165	130.3023	0.0960	0.550711
Hsd3b7	chr7:127785607-127803802	4.9713	4.6437	-0.0983	0.279531
Bckdk	chr7:127904081-127909664	15.9039	17.2016	0.1132	0.425733
Inpp5f	chr7:128611327-128696425	19.8117	19.0339	-0.0578	0.575277
9430038I01Rik	chr7:137375573-137410762	1.1898	1.4299	0.2651	0.543448
Bag4	chr8:25764537-25785209	8.5305	9.3870	0.1380	0.522432
Rnf122	chr8:31111819-31131482	2.0933	1.8370	-0.1884	0.672236
Lonrf1	chr8:36216063-36249516	0.5960	0.8045	0.4327	0.538197
Mau2	chr8:70016122-70042734	44.9009	43.3702	-0.0500	0.593365
Smad1	chr8:79338394-79399518	2.9997	2.7458	-0.1276	0.352600
Coq9	chr8:94838320-94854895	12.2736	11.4325	-0.1024	0.566221
Mlycd	chr8:119394877-119411102	4.9700	5.7050	0.1990	0.590585
Cotl1	chr8:119809224-119840579	277.0100	298.1611	0.1062	0.665938
Gm20406	chr8:121806414-121807369	4.9284	6.4772	0.3942	0.410276
Cep295	chr9:15316914-15357788	12.0456	11.5084	-0.0658	0.625864
Eif3g	chr9:20894351-20898600	109.8409	102.3741	-0.1016	0.737232
Siae	chr9:37613846-37648318	6.7116	7.4185	0.1445	0.359805
Kdelc2	chr9:53384022-53401867	2.1745	2.5168	0.2109	0.342343

Ireb2	chr9:54863754-54912534	12.4252	11.4813	-0.1140	0.734274
Map2k5	chr9:63163768-63377902	12.5207	11.4849	-0.1246	0.633031
Dyx1c1Cpgp1	chr9:72958851-73016319	17.6502	19.1601	0.1184	0.519542
Myo5a	chr9:75071014-75223688	5.9012	5.5676	-0.0840	0.641778
Srprb	chr9:103188032-103202137	10.6828	11.5453	0.1120	0.296200
Gm17041	chr9:107300379-107301838	49.7645	56.4098	0.1808	0.626669
A730085K08Rik	chr9:122380574-122398801	1.2753	0.9784	-0.3824	0.429028
Tcaim	chr9:122805538-122836334	8.6853	7.8683	-0.1425	0.675265
Tfe3	chrX:7762559-7775202	4.0365	3.6438	-0.1477	0.739871
Rap2c	chrX:51003911-51018018	23.1204	24.8408	0.1036	0.447544
Phf6	chrX:52912265-52956943	16.7348	17.9865	0.1041	0.555178
Zxdb	chrX:94724568-94730191	2.7622	2.4382	-0.1800	0.672575
Arr3	chrX:100605496-100618493	0.1666	0.3140	0.9140	0.458549
Zmym3	chrX:101404383-101420849	8.3239	7.8856	-0.0780	0.541165
Nhs12	chrX:101849384-102092055	0.5879	0.7354	0.3229	0.594399
Armcx4	chrX:134686518-134696757	1.3887	1.7073	0.2980	0.602887
Acot9	chrX:155262442-155297654	25.6080	27.6005	0.1081	0.343081
Rbbp7	chrX:162760401-162779092	59.6131	57.5606	-0.0505	0.426343
Hrsp12	chr15:34484020-34495255	3.5265	4.1803	0.2454	0.612919
Slc45a4	chr15:73577423-73645762	6.2424	5.7173	-0.1268	0.749130
Them6	chr15:74721233-74724373	7.6033	6.6994	-0.1826	0.550982
Eif3l	chr15:79075222-79094400	122.4289	117.0620	-0.0647	0.689687
Fam83f	chr15:80671846-80700420	0.2640	0.4160	0.6563	0.461400
1700001L05Rik	chr15:83357525-83367282	1.5197	1.1185	-0.4422	0.632766
Trabd	chr15:89075123-89087077	18.1477	19.5738	0.1091	0.534405
Senp1	chr15:98038743-98093744	11.7317	11.2355	-0.0623	0.571018
Snora2b	chr15:98526345-98526482	5.9396	3.1625	-0.9093	0.576215
Arf3	chr15:98737620-98763214	43.4019	41.6730	-0.0586	0.622551
Tkt	chr14:30548358-30574722	66.8086	64.2696	-0.0559	0.696445
Gm23946	chr14:32191853-32192050	20.0887	26.7004	0.4105	0.655694
Syt15	chr14:34219594-34230421	0.1974	0.1175	-0.7488	0.532663
Ero1l	chr14:45283091-45318572	9.4485	10.2771	0.1213	0.469291
Ktn1	chr14:47663755-47736563	24.0980	22.8794	-0.0749	0.675314
Trav14d-3-dv8	chr14:53078579-53079045	7.5104	5.0776	-0.5648	0.655085
Trav7-6	chr14:53716715-53717290	9.1108	6.0079	-0.6007	0.696048
Traj22	chr14:54197247-54197307	200.6886	180.4267	-0.1535	0.299793
Rnf31	chr14:55591707-55603693	17.5279	19.1052	0.1243	0.619494
MsrA	chr14:64122622-64455903	8.4804	7.5999	-0.1581	0.549793
Uchl3	chr14:101653966-101696124	22.0424	20.0121	-0.1394	0.561453
Mir5125	chr17:23823290-23823369	21.9839	15.3817	-0.5152	0.499448
Fkbp5	chr17:28399094-28517524	16.5187	17.8222	0.1096	0.601433
Tbc1d22b	chr17:29549787-29606895	10.7061	9.9289	-0.1087	0.701511
Cd320	chr17:33843090-33849774	3.9915	4.5714	0.1957	0.331359
BC051226	chr17:33908181-33909317	6.3333	7.6116	0.2653	0.487769
Ring1	chr17:34020791-34024680	8.4915	7.8260	-0.1178	0.516673
Btn17-ps	chr17:34532876-34547651	2.6645	3.2354	0.2801	0.400482
Ppp1r11	chr17:36948355-36951741	33.5434	36.4685	0.1206	0.548774
Tnfrsf21	chr17:43016554-43089188	0.6716	0.4236	-0.6648	0.554236
Slc25a27	chr17:43641899-43667015	3.5642	2.9900	-0.2534	0.672601
Cul7	chr17:46650336-46664364	2.4588	2.7954	0.1851	0.610311
Rftn1	chr17:49992256-50190674	32.5805	31.2937	-0.0581	0.579169
Ehd3	chr17:73804840-73832093	24.2199	23.0910	-0.0689	0.573694
Cdc42ep3	chr17:79334024-79355091	14.2240	15.6614	0.1389	0.398088
Srsf7	chr17:80200088-80207305	90.3783	86.7876	-0.0585	0.615253
Gm15835	chr16:4777742-4779454	3.0771	1.7662	-0.8010	0.424625
3110001I22Rik	chr16:13671928-13678405	8.6788	9.9249	0.1936	0.569989
Nde1	chr16:14163274-14192928	31.9933	30.4236	-0.0726	0.592495
Ydjc	chr16:17144620-17160701	3.6824	3.3468	-0.1379	0.567006
Ufd1l	chr16:18811778-18835261	15.5516	16.7778	0.1095	0.444077
Mrpl40	chr16:18872017-18876767	32.5207	36.0204	0.1475	0.575909
0610012G03Rik	chr16:31948023-31948448	18.3441	15.7105	-0.2236	0.590189
1700021K19Rik	chr16:32821702-32877766	5.7531	5.3814	-0.0964	0.582483
Tigit	chr16:43648860-43664184	23.7510	27.4132	0.2069	0.625179
Gm608	chr16:44173245-44227465	7.6740	7.1113	-0.1099	0.756334
Pcnp	chr16:56007244-56029739	15.3944	16.8571	0.1309	0.508843
Ap5b1	chr19:5568073-5571261	12.7781	11.5178	-0.1498	0.704627
Fau	chr19:6057887-6059524	13.4617	11.9845	-0.1677	0.439753
Men1	chr19:6334978-6340891	14.3591	13.5458	-0.0841	0.538811
Pdlim1	chr19:40221172-40271842	3.8275	3.4712	-0.1410	0.586652
Ccnj	chr19:40831278-40848572	4.2729	4.8855	0.1933	0.584294
Hps1	chr19:42755104-42779978	6.3875	7.0405	0.1404	0.485853

Smap1	chr1:23844845-23922317	24.4089	26.1791	0.1010	0.397517
Ankrd39	chr1:36538172-36547201	8.2879	9.2791	0.1630	0.325603
Chst10	chr1:38863876-38898160	7.0175	7.7994	0.1524	0.461591
Gm16894	chr1:40076227-40085853	3.7390	2.7709	-0.4323	0.659184
Wdr75	chr1:45795165-45823619	25.0174	23.0682	-0.1170	0.741471
NA	chr1:55335366-55335883	1.9672	2.9544	0.5867	0.513097
Fam126b	chr1:58522805-58586323	7.2172	6.7066	-0.1059	0.702719
Tmem198	chr1:75479531-75485705	1.3748	1.1070	-0.3125	0.344866
Ncl	chr1:86344718-86359455	36.8885	34.9445	-0.0781	0.738712
Sept2	chr1:93478963-93510260	33.3577	35.8351	0.1034	0.594189
Gm26280	chr1:135150665-135150766	8.0430	3.9968	-1.0089	0.596575
Xcl1	chr1:164931643-164935527	12.1716	14.8352	0.2855	0.520964
Ppox	chr1:171275989-171281186	10.6812	11.5874	0.1175	0.402895
Exo1	chr1:175880777-175911396	2.7177	3.0980	0.1890	0.533388
Cnih4	chr1:181150930-181168994	8.2629	9.0577	0.1325	0.406326
Kctd3	chr1:188971097-189007840	6.1287	5.6677	-0.1128	0.324024
Tatdn3	chr1:191045825-191062932	4.5358	5.1586	0.1856	0.420515
Traf3ip3	chr1:193175505-193201703	101.0257	98.1261	-0.0420	0.462419
Lamb3	chr1:193301956-193343878	1.7159	2.0084	0.2271	0.435052
Cr2	chr1:195136810-195176715	0.8316	0.6663	-0.3197	0.612779
Ankrd29	chr18:12252361-12305720	1.7156	1.3728	-0.3215	0.635888
Tmem173	chr18:35733677-35740554	91.6043	87.0700	-0.0732	0.732992
Cxc5	chr18:35829817-35861687	2.0166	1.6078	-0.3268	0.555856
Gm15337	chr18:39367037-39389425	0.7328	0.5434	-0.4312	0.599216
Tshz1	chr18:84011626-84086404	11.6035	10.9223	-0.0873	0.628009
Cubn	chr2:13276337-13491924	0.1818	0.1358	-0.4211	0.484253
Acbd5	chr2:23068167-23114510	14.2337	15.4957	0.1226	0.550607
Gm23865	chr2:29931426-29931523	22.2233	28.8743	0.3777	0.339268
D2Wsu81e	chr2:30173446-30178459	8.2934	9.2854	0.1630	0.546897
Prrc2b	chr2:32151081-32234537	23.9028	22.2953	-0.1004	0.773017
Rbm18	chr2:36116078-36136773	7.9021	7.3647	-0.1016	0.629568
Gm13477	chr2:44788264-44790951	1.8089	1.5086	-0.2619	0.430978
Phospho2	chr2:69789622-69800005	9.8525	10.8725	0.1421	0.592472
Gm13684	chr2:83737781-83759865	1.9729	2.4658	0.3217	0.627162
Mtch2	chr2:90847154-90866810	9.5668	10.2940	0.1057	0.424629
Dph6	chr2:114516415-114654964	2.8895	2.6031	-0.1506	0.647323
Tmem87a	chr2:120355311-120404113	19.4375	20.8453	0.1009	0.543147
Trp53bp1	chr2:121193280-121271407	12.6596	12.2329	-0.0495	0.488847
Duox1	chr2:122315671-122347972	0.3081	0.2215	-0.4763	0.427455
Itpril1	chr2:127138771-127143442	12.1222	13.3063	0.1345	0.583560
Ubox5	chr2:130590001-130630038	5.9766	6.5762	0.1379	0.503499
Mcm8	chr2:132816140-132844197	2.9353	2.6264	-0.1604	0.153920
Tm9sf4	chr2:153161302-153210466	6.5732	7.1325	0.1178	0.473664
Cdk5rap1	chr2:154335379-154373010	6.4485	7.2535	0.1697	0.560055
BC029722	chr2:155817729-155819426	15.2292	14.0311	-0.1182	0.502075
Actr5	chr2:158624887-158639211	9.9142	9.1810	-0.1108	0.641787
Helz2	chr2:181227614-181242027	28.5758	26.9238	-0.0859	0.770791
E2f5	chr3:14578670-14606308	8.1468	9.4947	0.2209	0.630468
Prkci	chr3:30995746-31052741	4.4816	4.0901	-0.1319	0.612249
Acad9	chr3:36065978-36094944	6.8443	6.4965	-0.0753	0.474140
NA	chr3:40950630-40977793	36.4959	39.2855	0.1063	0.318269
Elf2	chr3:51255664-51340644	40.2282	42.7460	0.0876	0.295672
Setd7	chr3:51515318-51560878	16.8173	15.9941	-0.0724	0.626340
Gm16206	chr3:53452618-53457797	2.1484	2.6595	0.3079	0.483260
Gm20689	chr3:68900170-68900449	6.7190	8.7597	0.3826	0.303173
Trim2	chr3:84160438-84305446	0.4039	0.4917	0.2839	0.588967
Lrba	chr3:86224689-86782693	53.2361	57.4481	0.1099	0.661597
Fcrl1	chr3:87376386-87392133	1.9599	2.4456	0.3194	0.600521
Iqgap3	chr3:88082050-88121048	1.5497	1.8284	0.2386	0.591008
Cdc42se1	chr3:95228731-95236409	104.9276	110.4234	0.0737	0.314934
Bnpl	chr3:95241270-95251193	0.9152	0.6451	-0.5044	0.657567
Golph3l	chr3:95588933-95619247	23.2212	24.8639	0.0986	0.281180
Mir186	chr3:157544278-157544349	12.6443	7.0447	-0.8439	0.590226
NA	chr4:6445037-6447912	5.3156	4.6470	-0.1939	0.659448
Fsbp	chr4:11579664-11587591	0.8229	0.6484	-0.3439	0.510274
Pigo	chr4:43017634-43025819	7.1504	7.8437	0.1335	0.417108
Tle1	chr4:72117141-72200919	0.8618	1.0120	0.2316	0.499564
Slc35d1	chr4:103170648-103215164	6.0914	5.5571	-0.1325	0.647838
Osbp19	chr4:109061144-109202272	20.6710	21.9580	0.0871	0.399616
Faf1	chr4:109676587-109963960	16.4397	15.4183	-0.0925	0.695851
Atfaf1	chr4:115784811-115818828	1.8531	1.5108	-0.2946	0.579849

Gm12953	chr4:116551739-116552627	1.5603	2.2416	0.5227	0.478441
Atp6v0b	chr4:117884325-117887333	24.2216	22.6709	-0.0955	0.633172
Tmem222	chr4:133266044-133277792	20.5468	19.0467	-0.1094	0.644458
Ldrlap1	chr4:134744734-134768024	13.1161	14.2275	0.1173	0.497323
Gm12990	chr4:135403188-135403656	2.3325	1.4588	-0.6771	0.546988
Gm24362	chr4:136018070-136018486	2.4915	4.1618	0.7402	0.491008
Rpl11	chr4:136028264-136053428	9.8662	8.7803	-0.1682	0.697891
Plekhn2	chr4:141625733-141664899	6.1802	5.5578	-0.1531	0.718713
NA	chr4:155409189-155447944	1.0806	0.5801	-0.8976	0.585683
Ptprk	chr10:28074819-28597397	0.1522	0.0771	-0.9818	0.600986
Unc79	chr12:102948858-103184065	0.0240	0.0509	1.0810	0.537935
Gm11398	chr13:23620729-23621049	2.7590	4.3000	0.6402	0.424641
Nos1	chr5:117781031-117958840	0.0535	0.0965	0.8523	0.485026
Mir1839	chr7:81529854-81529981	13.2482	8.6018	-0.6231	0.608441
2510046G10Rik	chr7:126649222-126649570	5.4209	7.9241	0.5477	0.508449
Gm7418	chr8:94835716-94836517	1.9821	1.3532	-0.5506	0.578219
2700012I20Rik	chr9:57075215-57076013	2.7709	4.1084	0.5682	0.538899
Gm23136	chr9:64176660-64176759	5.1765	9.7172	0.9085	0.576088
Gm15232	chrX:167088092-167102090	2.0397	3.4047	0.7391	0.205642
Trav6n-6	chr14:53132850-53133137	2.9326	4.8336	0.7209	0.529357
C4a	chr17:34809091-34823464	0.0990	0.1627	0.7167	0.385548
Gm17203	chr19:59896240-59901062	0.3623	0.5579	0.6227	0.580134
Gm26348	chr1:10166538-10166778	6.5564	4.3377	-0.5960	0.579682
Mpp4	chr1:59120935-59163389	0.5725	0.8405	0.5539	0.502757
Gm15675	chr1:130429780-130437191	3.2833	1.8929	-0.7945	0.462441
Atp6v1g3	chr1:138273737-138289460	1.6157	1.1471	-0.4942	0.600167
Gm14326	chr2:177935992-177957297	0.6858	0.9845	0.5217	0.363324
Adad1	chr3:37063526-37121924	0.1912	0.3445	0.8495	0.549782
Gm22247	chr4:46495154-46495285	3.2601	6.1012	0.9042	0.382126
Armc2	chr10:41914989-42018442	0.2330	0.3458	0.5698	0.604406
Tns3	chr11:8431651-8664535	0.0690	0.0370	-0.9002	0.489234
Lrrn4	chr2:132868304-132880891	0.2054	0.3753	0.8694	0.567108
Lpar3	chr3:146220960-146286214	0.2950	0.5287	0.8415	0.489207
Gm12630	chr4:86817793-86818577	0.6933	1.1555	0.7370	0.519787
Cdc37	chr9:21138540-21149906	66.8630	62.8977	-0.0882	0.734327
Nfyb	chr10:82748700-82764144	15.3157	16.4366	0.1019	0.413826
Cggbp1	chr16:64851995-64859507	46.4958	44.9075	-0.0501	0.578468
Bad	chr19:6941860-6951898	7.4720	8.5146	0.1884	0.491749
Gm5822	chr19:28862329-28863707	1.6550	2.0920	0.3381	0.100001
Tmem199	chr11:78507054-78512172	13.6207	12.5607	-0.1169	0.538214
Ubl7	chr9:57910985-57929968	19.2022	17.3662	-0.1450	0.665801
Aldh18a1	chr19:40550256-40588463	27.1314	28.9287	0.0925	0.423098
Sepsecs	chr5:52640086-52669729	4.9927	5.6700	0.1835	0.647321
Dync2h1	chr9:6928502-7184446	2.9527	2.7892	-0.0822	0.488592
Nedd4	chr9:72662556-72749842	1.9830	2.3035	0.2161	0.612085
Cramp1l	chr17:24961227-25015230	5.2930	4.8629	-0.1223	0.721520
Gm17275	chr1:180802567-180809483	16.3827	17.8972	0.1276	0.542688
Prune2	chr19:16956117-17223932	0.0335	0.0582	0.7982	0.407999
5730416F02Rik	chrX:109001484-109002296	1.0447	0.5740	-0.8640	0.576077
Slc25a51	chr4:45395922-45408766	14.9320	14.1858	-0.0740	0.606977
Ptdss1	chr13:66932829-66998401	27.9252	29.8673	0.0970	0.473358
St3gal4	chr9:35046578-35116810	25.3156	23.8321	-0.0871	0.591383
Expn5	chr9:53301669-53377514	0.6954	0.8211	0.2396	0.535387
Zc3h3	chr15:75754431-75841915	0.6010	0.4555	-0.3999	0.389844
NA	chr17:27565111-27566220	2.3902	1.7746	-0.4296	0.517975
Tcp11	chr17:28066746-28080639	0.4291	0.2337	-0.8769	0.483668
NA	chr1:160044583-160071509	69.2882	63.1626	-0.1335	0.635220
Ascl2	chr7:142966821-142969264	0.4537	0.7343	0.6945	0.485601
Rtn4ip1	chr10:43901806-43947862	4.3253	3.9360	-0.1360	0.188377
Sp2	chr11:96953339-96982959	3.2443	2.9106	-0.1566	0.391974
Mir3064	chr11:106782692-106782759	312.1987	347.4755	0.1544	0.498725
Lrwd1	chr5:136122771-136136074	14.9655	14.1602	-0.0798	0.697304
Rmnd5a	chr6:71388633-71440637	39.8136	38.2118	-0.0592	0.677705
Sh3gl3	chr7:82173839-82307419	3.3368	3.7967	0.1863	0.576487
C2cd3	chr7:100372232-100470159	13.4160	12.7727	-0.0709	0.673072
Vac14	chr8:110618637-110720396	18.4918	17.3824	-0.0893	0.644155
4930520O04Rik	chr9:114368302-114377229	1.7816	1.5215	-0.2277	0.559371
Tspan6	chrX:133891067-133898429	1.7505	1.3338	-0.3923	0.609510
Plcl1	chr1:55406387-55751802	6.1817	5.5532	-0.1547	0.669931
Kif5b	chr18:6201001-6242174	49.0996	47.4879	-0.0481	0.642032
Gpatch3	chr4:133574744-133584243	7.9138	7.2170	-0.1330	0.460198

Ccl6	chr11:83587881-83593087	0.7303	0.4586	-0.6713	0.596672
5830454E08Rik	chr9:120577345-120578072	3.3272	4.6928	0.4961	0.505969
4632427E13Rik	chr7:92734165-92741468	15.9823	17.1503	0.1018	0.542375
Cycc	chr6:50562562-50566538	3.3516	3.9337	0.2310	0.618260
Fam83e	chr7:45721211-45729492	0.2308	0.3641	0.6579	0.518906
9430069I07Rik	chr15:34349175-34356421	4.3041	6.3596	0.5632	0.449103
Gm5898	chr7:63542478-63544549	2.7190	2.3083	-0.2362	0.453733
A330035P11Rik	chr14:122103429-122106974	1.0371	1.3964	0.4291	0.612440
Gal3st4	chr5:138264920-138272840	1.7698	2.0983	0.2456	0.437757
Cbx7	chr15:79915806-79971119	38.5592	36.8404	-0.0658	0.713826
Rpl7l1	chr17:46773906-46782656	42.5808	40.3576	-0.0774	0.695398
Smc3	chr19:53600397-53645833	35.7723	38.1207	0.0917	0.526597
Tbck	chr3:132684143-132838506	14.6785	13.8031	-0.0887	0.658246
Col18a1	chr10:77052177-77166548	0.2055	0.1237	-0.7326	0.533570
Aqp3	chr4:41092721-41098183	1.1251	1.4756	0.3913	0.391342
Susd1	chr4:59314682-59438633	0.9022	1.2596	0.4815	0.630895
Daam2	chr17:49456021-49564337	0.3976	0.5248	0.4004	0.500538
Plcg2	chr8:117498290-117635140	0.9058	0.7154	-0.3404	0.613759
Cep19	chr16:32099799-32108069	18.6790	20.3846	0.1261	0.417284
Slc25a3	chr10:91116573-91124059	48.8720	47.3266	-0.0464	0.566907
Gins2	chr8:120578632-120589304	8.3554	7.8190	-0.0957	0.510100
Angptl6	chr9:20873808-20879727	6.1158	5.4100	-0.1769	0.473979
Gm20503	chr4:59003209-59041888	35.2215	39.4588	0.1639	0.679843
Specc1	chr11:61956778-62223013	0.3959	0.3311	-0.2579	0.560533
Tmem106b	chr6:13069758-13089269	23.4310	24.7654	0.0799	0.294674
Gm12932	chr4:125082856-125084947	5.7580	4.5368	-0.3439	0.543777
Gm22884	chr11:55482693-55482833	11.3172	16.5611	0.5493	0.602970
Per1	chr11:69095216-69109960	4.6749	4.2810	-0.1270	0.662113
Timm22	chr11:76406951-76416292	7.9752	8.8174	0.1448	0.489775
Axin2	chr11:108920348-108950783	7.0782	7.8195	0.1437	0.597959
Dnajc27	chr12:4082573-4110612	6.9397	6.4996	-0.0945	0.462540
Dicer1	chr12:104687741-104751952	22.4484	21.3010	-0.0757	0.747697
Grk4	chr5:34660378-34755305	1.2931	1.0695	-0.2739	0.664170
Alkbh2	chr5:114123925-114128218	6.3256	5.4697	-0.2097	0.462725
Rpl37rt	chr5:115102921-115110268	6.5067	5.1981	-0.3239	0.611521
Aacs	chr5:125475813-125517412	13.1504	12.4745	-0.0761	0.417320
1110019D14Rik	chr6:13871525-14044373	1.5638	1.1036	-0.5028	0.618198
Arhgef5	chr6:43265581-43289320	1.3717	1.5859	0.2093	0.626258
Tigd2	chr6:59208869-59212033	29.7944	31.8797	0.0976	0.456568
Tmem43	chr6:91473702-91488459	17.2869	18.8297	0.1233	0.566330
Gm2788	chr7:48877957-48886608	0.6352	0.9828	0.6298	0.531734
Art2a-ps	chr7:101552452-101560865	21.8870	25.2437	0.2058	0.647648
Ddx49	chr8:70292865-70302489	18.2527	19.5739	0.1008	0.232157
Zc3h12c	chr9:52111984-52168111	1.6838	1.4531	-0.2127	0.630372
Fam219b	chr9:57537527-57543187	13.6726	12.7678	-0.0988	0.623711
Acad11	chr9:104040661-104127463	4.4967	4.9974	0.1523	0.389472
Gm2223	chrX:33505651-33507010	0.8886	1.3118	0.5620	0.379770
Ccser2	chr14:36874935-36968777	20.7198	19.9716	-0.0531	0.607975
Gm26679	chr14:120384262-120388985	5.1488	4.2561	-0.2747	0.605183
D930048G16Rik	chr17:23790703-23794241	2.2040	2.6430	0.2621	0.420959
Gm16861	chr16:4935047-4939585	4.2708	3.6060	-0.2441	0.620604
Sept5	chr16:18621810-18629938	0.2322	0.3902	0.7489	0.437830
Aamp	chr1:74279839-74284738	59.4056	63.9135	0.1055	0.579225
Qsox1	chr1:155778154-155812883	9.8576	10.6117	0.1064	0.474654
Gm2962	chr1:170925308-170925644	4.5819	2.6868	-0.7701	0.634382
Tor1b	chr2:30952958-30959015	22.8808	22.0241	-0.0551	0.486745
Eif3i	chr4:129591959-129600648	43.4698	47.3732	0.1241	0.662122
Ubxn11	chr4:134102569-134127593	19.8563	21.5913	0.1209	0.624266
Akr7a5	chr4:139310743-139318426	4.5714	5.4096	0.2429	0.604521
Fbxo39	chr11:72314443-72319416	0.2126	0.4328	1.0254	0.513984
Nthl1	chr17:24632681-24638838	1.8275	2.4524	0.4243	0.563508
Trim15	chr17:36860692-36867210	1.5607	1.0806	-0.5304	0.646309
Nacc2	chr2:26055534-26123220	0.3237	0.4533	0.4856	0.452763
Gm10097	chr10:5069191-5071975	0.4746	0.7304	0.6220	0.628685
Kitl	chr10:100015629-100100413	0.1378	0.0817	-0.7544	0.594651
Fgfr3	chr5:33721723-33737068	0.1212	0.0736	-0.7190	0.578517
Gm7580	chr7:74392697-74411233	1.6446	0.8982	-0.8727	0.620808
St6galnac5	chr3:152817080-152982246	0.1797	0.1064	-0.7557	0.649803
Anapc4	chr5:52834014-52867797	14.6326	15.6075	0.0930	0.339956
Amn1	chr6:149157146-149188712	4.1570	4.6085	0.1487	0.338196
P2rx1	chr11:72999102-73015200	0.3258	0.1827	-0.8343	0.618254

Klh121	chr4:152008802-152017680	6.7731	7.5541	0.1574	0.582621
Itpkc	chr7:27207171-27228628	5.0695	5.6520	0.1569	0.495562
Ptrf	chr11:100956732-100970887	0.3113	0.4759	0.6124	0.584370
Mob2	chr7:142008552-142061034	29.8446	28.2349	-0.0800	0.426103
Zfp438	chr18:5210030-5334439	1.6557	1.4033	-0.2386	0.501987
Cep250	chr2:155956457-155998900	17.9133	17.0251	-0.0734	0.728856
Ncoa7	chr10:30645583-30803107	19.7183	18.7870	-0.0698	0.643252
E130307A14Rik	chr10:39621411-39732007	3.8781	4.2448	0.1303	0.400127
Pcnt	chr10:76351253-76442912	20.3221	19.4491	-0.0634	0.733426
Tcf3	chr10:80409513-80433647	21.5966	20.2725	-0.0913	0.725993
Mknk2	chr10:80665331-80671976	125.2702	120.7722	-0.0528	0.725358
Gm24119	chr10:91118290-91118536	263.6182	219.6374	-0.2633	0.650508
Ube2n	chr10:95515161-95545658	5.2178	4.7589	-0.1328	0.592810
Ppia	chr11:6415442-6419817	13.8551	13.0314	-0.0884	0.609645
Spns3	chr11:72494918-72550506	0.1307	0.2058	0.6558	0.450628
Sfn5	chr11:82951348-82962941	39.5187	42.6863	0.1112	0.661371
Gm11478	chr11:86630427-86631026	9.7071	11.8924	0.2929	0.634173
Ankrd40	chr11:94328000-94341841	16.3198	15.3591	-0.0875	0.693889
Eme1	chr11:94644995-94653964	6.7780	7.5186	0.1496	0.391141
Socs7	chr11:97362550-97398542	8.2080	7.7633	-0.0804	0.605595
Kcnh4	chr11:100740375-100759942	0.6180	0.4915	-0.3304	0.343503
Gm11737	chr11:118204711-118205179	7.9683	6.2768	-0.3442	0.670310
Cfl2	chr12:54858816-54862877	12.0634	11.1803	-0.1097	0.661354
Nemf	chr12:69311543-69357176	41.3621	43.9447	0.0874	0.485506
Med6	chr12:81573556-81595008	17.0056	15.7530	-0.1104	0.535857
Ak7	chr12:105705981-105782447	1.6036	1.3375	-0.2618	0.630988
Zfp367	chr13:64133021-64153202	9.4710	10.1507	0.1000	0.279956
Zfp712	chr13:67038593-67061170	5.4183	6.1160	0.1748	0.583821
Trip13	chr13:73912461-73937767	4.3428	5.0062	0.2051	0.472967
Zfyve28	chr5:34194873-34288449	0.9360	1.1140	0.2512	0.543088
G3bp2	chr5:92052145-92083735	50.9194	54.1733	0.0894	0.549561
Evi5	chr5:107744794-107875107	0.7915	0.9263	0.2270	0.396944
Acacb	chr5:114146534-114250761	0.1694	0.2271	0.4229	0.428230
Sh2b3	chr5:121815487-121836859	15.8430	14.9384	-0.0848	0.697156
4933404O12Rik	chr5:136919145-136937112	0.7561	0.9562	0.3386	0.553889
Zkscan1	chr5:138085083-138107822	14.8137	14.2540	-0.0556	0.538955
Bet1	chr6:4076898-4086972	5.8059	5.3199	-0.1261	0.594363
Luc7l2	chr6:38551333-38609470	26.5596	25.4212	-0.0632	0.728533
Lrrc6l	chr6:4854795-48570722	6.8250	7.5873	0.1528	0.472812
Hk2	chr6:82725024-82774454	3.5673	3.2635	-0.1284	0.642432
Mob1a	chr6:83326015-83343776	105.2766	111.3828	0.0813	0.556449
Tpra1	chr6:88902250-88912238	15.8540	14.8214	-0.0972	0.680620
Cecr6	chr6:120488938-120493807	1.6670	1.9915	0.2566	0.635041
H2afj	chr6:136808247-136810074	30.4653	33.0839	0.1190	0.575045
Pdcd5	chr7:35641981-35647521	5.8415	5.2182	-0.1628	0.628729
Pnkp	chr7:44857138-44862925	20.7459	22.2801	0.1029	0.452021
Pih1d1	chr7:45154302-45160069	18.8225	17.3777	-0.1152	0.703716
Gm9392	chr7:46820266-46822048	3.8723	3.3743	-0.1986	0.492006
Nipa2	chr7:55931286-55962476	8.5125	9.4053	0.1439	0.646863
Stard5	chr7:83631958-83653127	76.7472	80.4193	0.0674	0.135619
Ndufc2	chr7:97400002-97407802	49.0342	54.5150	0.1529	0.625077
Aamdc	chr7:97550330-97579497	6.0354	5.3566	-0.1721	0.505934
Atg16l2	chr7:101289391-101302251	13.1965	14.2846	0.1143	0.516205
Kdm8	chr7:125444675-125462265	4.2756	3.7862	-0.1754	0.522892
Fam175b	chr7:132859224-132885114	10.1022	10.9541	0.1168	0.515240
Uros	chr7:133686242-133710072	6.8962	6.3884	-0.1104	0.557552
Tnfrsf26	chr7:143607684-143627845	20.7802	22.2250	0.0970	0.329246
Rrad	chr8:104628065-104631321	17.4181	18.9848	0.1243	0.292888
Gm22701	chr8:110498851-110499127	48.9457	56.8582	0.2162	0.644789
Gm20388	chr8:119910840-124345722	31.3905	33.3578	0.0877	0.442099
Galnt2	chr8:124231390-124345724	29.0086	30.8175	0.0873	0.447668
Fut4	chr9:14748458-14752122	0.2076	0.3315	0.6747	0.478322
Hinfp	chr9:44295672-44305671	16.2490	15.2631	-0.0903	0.421902
Lman1l	chr9:57607084-57620774	0.5218	0.2961	-0.8176	0.526254
Dis3l	chr9:64306755-64341288	6.0787	6.6046	0.1197	0.330992
Gm16794	chr9:95942048-95959393	4.2558	3.8218	-0.1552	0.554888
Gm14703	chrX:7651105-7657258	2.4848	3.0225	0.2826	0.571148
Ndufb11	chrX:20615325-20617619	41.5049	46.3582	0.1595	0.648508
Ofd1	chrX:166390032-166440704	14.1693	13.4580	-0.0743	0.616189
Sharpin	chr15:76347039-76351111	29.3198	28.2459	-0.0538	0.514026
Apol10b	chr15:77584157-77596125	2.7874	3.3223	0.2533	0.508198

lft27	chr15:78159464-78174108	13.2496	15.5419	0.2302	0.600034
Mapk8	chr14:33377897-33447158	7.0738	6.7276	-0.0724	0.557893
Gm20667	chr14:67673176-67675106	1.6792	1.2093	-0.4735	0.574312
Ubac2	chr14:121878605-122021034	32.9918	35.3204	0.0984	0.359692
Tmem242	chr17:5410863-5440260	25.0473	22.4951	-0.1550	0.721814
2210404O09Rik	chr17:21879569-21908092	8.0324	7.2074	-0.1564	0.653697
Gm26694	chr17:25794893-25964784	8.0486	9.3325	-0.2135	0.656862
Nudt3	chr17:27579381-27623465	31.8406	34.4753	0.1147	0.624132
Zbtb22	chr17:33915903-33919324	16.8135	15.7200	-0.0970	0.661585
Gm25128	chr17:35247174-35247250	11.1478	16.8885	0.5993	0.305466
Cchcr1	chr17:35517099-35531015	2.6990	3.0725	0.1870	0.578831
Hnrnp11	chr17:80029486-80062334	41.1668	44.0117	0.0964	0.583161
Haao	chr17:83831355-83846790	0.4632	0.7148	0.6257	0.489734
Mefv	chr16:3707214-3718124	0.1879	0.3535	0.9116	0.634432
Gm26635	chr16:17254959-17260326	2.2609	1.9009	-0.2502	0.650005
Sid1	chr16:44240179-44333196	16.9372	16.0898	-0.0740	0.670914
Cd96	chr16:46035656-46120251	90.3988	96.8281	0.0991	0.630048
Mrps6	chr16:92058269-92112227	19.7786	21.9805	0.1523	0.583789
Ltbp3	chr19:5740903-5758532	0.6881	0.8934	0.3766	0.607232
Prpf19	chr19:10888155-10909559	21.8948	20.7739	-0.0758	0.730475
Ms4a4c	chr19:11404769-11427246	23.3741	25.9737	0.1521	0.641053
Plgrkt	chr19:29348598-29367390	32.1262	34.2785	0.0936	0.523771
Tcea1	chr1:4857813-4897909	9.9278	9.0845	-0.1281	0.671902
Arfgef1	chr1:10137570-10232670	24.1785	23.2594	-0.0559	0.695319
Stat4	chr1:51987147-52107188	61.4583	65.4616	0.0910	0.550027
Als2	chr1:59162925-59237231	7.0905	6.7033	-0.0810	0.602317
NA	chr1:60703917-60705656	5.9141	6.7632	0.1935	0.480793
Gm25395	chr1:87776937-87777209	346.9287	413.9777	0.2549	0.657190
Nav1	chr1:135434579-135585355	0.0800	0.0509	-0.6520	0.498067
Axdnd1	chr1:156323508-156421159	0.1873	0.1194	-0.6493	0.613036
Gm15429	chr1:161725535-161727682	0.7661	0.5236	-0.5489	0.371378
Scyl3	chr1:163929099-163955126	14.5048	15.5191	0.0975	0.446472
Slc26a2	chr18:61192918-61211612	11.9982	11.4653	-0.0655	0.688173
Gpsm1	chr2:26315514-26348237	3.4068	3.8230	0.1663	0.565310
Rexo4	chr2:26953562-26964386	22.7225	24.2395	0.0932	0.388743
Gle1	chr2:29935425-29960371	8.6823	9.3273	0.1034	0.352794
Kbtbd4	chr2:90904739-90911626	14.4269	13.6773	-0.0770	0.474766
Spred1	chr2:117121373-117182279	5.3033	4.9052	-0.1126	0.643144
Dnajc17	chr2:119172499-119208795	8.5903	9.9787	0.2161	0.536487
Cdc25b	chr2:131186948-131198497	32.6355	35.0559	0.1032	0.604693
Pxmp4	chr2:154585757-154603708	6.3382	5.6798	-0.1582	0.684417
Gm21958	chr3:54713175-54714353	8.0357	6.6801	-0.2665	0.563270
Mfsd1	chr3:67582767-67604231	33.1419	31.7521	-0.0618	0.580188
Hist2h2be	chr3:96221120-96223738	5.5262	5.0486	-0.1304	0.231180
Srsf11	chr3:158010472-158036639	25.8587	27.3270	0.0797	0.372550
Decr1	chr4:15917239-15945507	10.4217	11.4406	0.1346	0.601125
Coro2a	chr4:46536936-46602202	33.2849	31.9528	-0.0589	0.698012
Magoh	chr4:107879754-107887424	72.8906	80.7096	0.1470	0.690570
Gm23143	chr4:117202527-117202643	9.9481	14.6793	0.5613	0.507649
Gm26615	chr4:133085473-133089146	0.8659	1.1220	0.3737	0.560598
Sh3bgrl3	chr4:134127405-134128789	219.5948	236.3135	0.1059	0.638147
2700016F22Rik	chr4:139376548-139380379	6.1923	6.8573	0.1472	0.533444
Ctnnbip1	chr4:149518235-149566437	0.8807	1.1266	0.3553	0.515993
Pemt	chr11:59970613-60046489	0.4905	0.3142	-0.6424	0.419238
Plac8	chr5:100553724-100572245	2.6873	4.3584	0.6976	0.352027
0610040B10Rik	chr5:143329246-143332704	1.3660	2.0979	0.6190	0.486451
Gm15503	chr7:128410419-128412341	3.3045	4.8193	0.5444	0.536813
NA	chrX:145601810-145602301	1.6184	1.0086	-0.6821	0.614019
Gm3629	chr14:6583958-6874257	0.8278	1.1256	0.4434	0.542473
Dll1	chr17:15367353-15376872	0.4034	0.2657	-0.6028	0.617185
Gm15443	chr1:149025227-149026047	1.2501	1.8935	0.5990	0.511638
Nr1h3	chr2:91184060-91202834	0.1614	0.3004	0.8960	0.473983
Myo5b	chr18:74440935-74771493	0.2065	0.1408	-0.5522	0.652836
Gm25820	chr3:88693930-88694057	8.9749	13.7417	0.6146	0.549658
Gm25772	chr4:137325558-137325614	21.1431	12.9119	-0.7115	0.486278
Gm5431	chr11:48887421-48902152	0.3063	0.4646	0.6011	0.531191
Gm10617	chr8:117802061-117803234	0.5348	0.9548	0.8363	0.630703
Trpc1	chr9:95706626-95750358	0.2583	0.4549	0.8165	0.607784
Gm7785	chr1:91296044-91296936	0.8462	0.4705	-0.8469	0.548533
1700084C06Rik	chr9:21091754-21128393	14.5195	13.0476	-0.1542	0.382942
Wdr1	chr5:38526813-38561666	277.7532	290.1027	0.0628	0.073846

Thumpd3	chr6:113046224-113068273	28.0321	26.8166	-0.0640	0.680838
Tssc4	chr7:143069248-143071093	16.7158	15.4443	-0.1141	0.630987
Ndufa13	chr8:69894187-69902558	83.7355	90.3794	-0.1102	0.626401
Cep83os	chr10:94673492-94688613	4.4469	5.0757	0.1908	0.651146
Tbc1d10a	chr11:4186788-4215505	19.1562	17.9835	-0.0911	0.693272
Tmed4	chr11:6270368-6274870	15.6466	17.0696	0.1256	0.512522
Ablim2	chr5:35757879-35884973	0.3335	0.2329	-0.5178	0.609222
Ankle2	chr5:110231003-110256651	29.4384	28.3298	-0.0554	0.655273
Dynll1	chr5:115297109-115300999	12.0144	13.5737	0.1760	0.688691
Hipk2	chr6:38694389-38876165	4.7895	5.3616	0.1628	0.699992
Z310001H17Rik	chr6:129208411-129237982	19.7745	21.1653	0.0981	0.571391
Tacc1	chr8:25154551-25201449	35.8747	38.0026	0.0831	0.544895
Mrpl13	chr15:55534093-55557748	5.7429	5.4165	-0.0844	0.615711
Selo	chr15:89089083-89100340	17.3385	18.5819	0.0999	0.409877
Eif4b	chr15:102073772-102097172	176.7639	171.0504	-0.0474	0.696105
Tmem260	chr14:48446127-48515135	6.7891	6.4137	-0.0821	0.640054
Cobll1	chr2:65088338-65239403	1.9480	1.7524	-0.1527	0.656643
Arfgap2	chr2:91264973-91276931	16.7246	15.9352	-0.0698	0.573265
Ppip5k1	chr2:121310560-121355396	1.8626	1.6806	-0.1483	0.712543
Col9a3	chr2:180597789-180622189	1.4070	1.1439	-0.2987	0.675400
Gm17029	chr4:148960296-148984671	2.7252	2.4481	-0.1547	0.643400
Mir21a	chr11:86584066-86584158	8.3106	13.1203	0.6588	0.455333
Gm4117	chr13:89739459-89887166	0.0309	0.0216	-0.5143	0.589891
Gm7488	chr3:21049444-21050525	0.6628	1.0777	0.7012	0.549800
Ptk2b	chr14:66153256-66281052	38.0639	36.7395	-0.0511	0.695677
Specc1l	chr10:75212072-75312399	22.3754	23.6969	0.0828	0.343489
mmu-mir-3061	chr11:52124529-52127779	6.8388	7.5974	0.1518	0.523213
Rpl27	chr11:101442297-101445529	9.8470	8.8916	-0.1472	0.597088
Hbp1	chr12:31926253-31950535	31.0653	32.8660	0.0813	0.429090
Gm7008	chr12:40222757-40229184	5.1855	5.9824	0.2063	0.470453
Serf1	chr13:100107996-100114571	2.2853	3.0186	0.4015	0.557106
Rnf4	chr5:34336288-34355629	26.0442	27.4834	0.0776	0.391664
Gm26591	chr6:120033521-120036471	3.4489	2.8706	-0.2648	0.713912
Gm15884	chr6:124715572-124718831	40.3868	37.6761	-0.1002	0.482352
Lsr	chr7:30957408-30983169	4.1223	4.6139	0.1625	0.589803
Pdcd2l	chr7:34184498-34196661	10.9982	9.9936	-0.1382	0.534252
Grwd1	chr7:45825226-45830944	18.4438	17.1323	-0.1064	0.692901
Topbp1	chr9:103305214-103350432	48.6526	51.9433	0.0944	0.624680
Clasp2	chr9:113812585-113919697	15.2468	14.5114	-0.0713	0.657478
Tmem29	chrX:150397772-150459154	1.5163	1.7617	0.2165	0.573030
Gm15512	chr14:33365950-33370143	0.7133	0.4734	-0.5913	0.510552
NA	chr17:30485510-30485963	1.6200	2.7261	0.7509	0.648499
Pak2	chr16:32016289-32079342	54.1747	52.6403	-0.0415	0.563643
Imp4	chr1:34439850-34445736	30.0837	28.1441	-0.0962	0.735568
Bcs1l	chr1:74588288-74592443	5.6500	6.3580	0.1703	0.427701
B230369F24Rik	chr1:178313327-178318549	1.8406	1.4549	-0.3392	0.681244
March3	chr18:56761715-56925548	1.0694	1.2712	0.2494	0.614650
Golga3	chr2:39016260-39065541	14.8444	14.1250	-0.0717	0.651990
Zcchc3	chr2:152411955-152415044	0.7354	0.9841	0.4202	0.599094
Gm20431	chr2:167607849-167661496	7.7689	7.0639	-0.1372	0.627416
Gm12404	chr4:41520693-41525823	0.8509	0.5573	-0.6105	0.533600
Tbc1d2	chr4:46604389-46650209	0.6319	0.7733	0.2914	0.489043
Tmtc1	chr6:148232429-148444389	0.1121	0.0660	-0.7634	0.645630
Traj39	chr14:54179961-54180024	71.6458	52.8869	-0.4380	0.664564
Tmem180	chr19:46341120-46375252	0.7031	0.9873	0.4898	0.456469
Eif5a	chr11:69916713-69921958	117.3218	112.6102	-0.0591	0.727885
Nol10	chr12:17348457-17430094	14.2119	13.2849	-0.0973	0.681387
Hectd1	chr12:51743721-51829536	98.6072	96.3910	-0.0328	0.361756
Ndufa5	chr6:24518665-24528013	27.4410	24.9875	-0.1351	0.749132
Slc2a3	chr6:122727808-122801640	22.0025	23.3802	0.0876	0.533310
Dock6	chr9:21800183-21852635	0.5498	0.4384	-0.3266	0.658044
Pou6f1	chr15:100575317-100599984	3.5994	3.2564	-0.1445	0.697795
Sfmbt1	chr14:30714848-30822713	2.8175	3.0994	0.1376	0.452371
Traj53	chr14:54162643-54162709	17.6155	11.8340	-0.5739	0.504507
Znrd1	chr17:36954357-36958559	29.5314	32.7897	0.1510	0.572150
Gm20695	chr16:3884647-3919517	28.2949	26.4811	-0.0956	0.554366
Rassf5	chr1:131176409-131245258	79.8430	83.8394	0.0705	0.247495
Usp6nl	chr2:6322666-6446390	6.2840	5.9007	-0.0908	0.678309
Gm13050	chr4:143242023-143243368	19.4051	17.8595	-0.1197	0.674794
Gm11969	chr11:6182678-6183034	1.4749	2.5493	0.7895	0.525064
Gm16161	chr6:113275836-113276930	5.5277	3.7064	-0.5766	0.656816

Gm13152	chr4:147492416-147513486	0.3732	0.6448	0.7890	0.459504
Cisd3	chr11:97685825-97688621	7.2074	8.4895	0.2362	0.519684
Cep112os1	chr11:108529096-108533664	0.7315	0.5570	-0.3933	0.590817
Rnf6	chr5:146209191-146221555	21.8760	23.6891	0.1149	0.598270
Syap1	chrX:162857056-162888447	20.9291	19.7601	-0.0829	0.652236
Ptprs	chr17:56412430-56476483	13.4402	14.5052	0.1100	0.628245
Gm6767	chr16:51362451-51363832	1.3604	1.7468	0.3607	0.367479
Srp19	chr18:34330846-34336599	11.1483	12.1074	0.1191	0.541542
8030462N17Rik	chr18:77633280-77714010	16.5987	15.8526	-0.0663	0.486612
BC030499	chr11:78290840-78296805	0.8300	0.6101	-0.4440	0.624010
Narfl	chr17:25773775-25783332	9.2377	10.0936	0.1278	0.553048
Pyhin1	chr1:173630858-173647928	104.1635	111.1000	0.0930	0.636213
Actr6	chr10:89711972-89732295	11.1186	10.1350	-0.1336	0.647559
Tpt1-ps3	chr6:99877746-99878433	1.7566	2.5465	0.5357	0.631937
Zfp110	chr7:12834760-12850577	29.7275	28.6261	-0.0545	0.631845
Echs1	chr7:140105709-140116476	6.7635	7.2978	0.1097	0.293633
Cc2d1a	chr8:84132827-84147936	18.3814	16.9987	-0.1128	0.783655
Zrsr2	chrX:163935442-163958661	8.0356	7.6352	-0.0737	0.621901
Cacnb3	chr15:98632219-98644530	0.8313	0.6458	-0.3641	0.553752
Mir18	chr14:115043850-115043946	11.6595	7.5011	-0.6363	0.546222
Tmem39a	chr16:38558697-38592162	7.0682	6.6139	-0.0959	0.549125
Set	chr2:30057377-30072577	23.3727	22.2031	-0.0741	0.727359
Pdrg1	chr2:153008889-153015427	21.5735	20.4273	-0.0788	0.608025
Exosc9	chr3:36552605-36565729	14.7264	15.9373	0.1140	0.616603
Reck	chr4:43875529-43944806	1.5078	1.3282	-0.1830	0.406319
Agpat9	chr5:100845712-100899102	0.4828	0.3237	-0.5767	0.568898
Fam187b	chr7:30973803-30989720	0.2359	0.4205	0.8340	0.565209
Gm16409	chr14:73796540-73797290	0.7954	1.2842	0.6911	0.464553
Gm26407	chr18:12961498-12961805	2.4057	4.1377	0.7823	0.658876
Mogs	chr6:83115495-83118898	54.6176	57.5884	0.0764	0.259178
Pex5	chr6:124396815-124415067	9.2534	10.0531	0.1196	0.445127
1500011B03Rik	chr5:114808195-114813976	12.8608	11.8764	-0.1149	0.417989
Gm16305	chr1:138991549-138992021	3.3383	2.3734	-0.4921	0.605873
Cfb	chr17:34856373-34862518	1.0214	0.8311	-0.2976	0.362936
Gtf2h4	chr17:35667729-35673739	5.0901	4.5859	-0.1505	0.664911
Srsf5	chr12:80945503-80950507	116.8504	113.6693	-0.0398	0.613010
Rtl1	chr12:109589193-109600330	0.1312	0.0726	-0.8538	0.620289
Pkn1	chr8:83669761-83699179	30.0244	28.9114	-0.0545	0.703592
Saysd1	chr14:20075645-20083172	5.9879	5.2292	-0.1954	0.650641
Slc35c1	chr2:92452763-92460538	9.9798	9.3120	-0.0999	0.642261
Ddx27	chr2:167015192-167034947	29.5502	28.4780	-0.0533	0.632489
Ttf2	chr3:100938859-100969663	10.3637	9.9011	-0.0659	0.538675
Rab34	chr11:78188429-78192193	0.3761	0.2052	-0.8741	0.623121
Gm10288	chr3:146838774-146839365	1.3104	0.7933	-0.7240	0.451709
Thy1	chr9:44043383-44048579	151.0970	146.3765	-0.0458	0.633990
1110046J04Rik	chr13:33935566-33960181	0.6676	0.4693	-0.5084	0.642064
Stard3nl	chr13:19357676-19395752	11.3732	12.7383	0.1635	0.494775
2900026A02Rik	chr5:113086322-113163351	0.2324	0.3180	0.4526	0.612924
Atg101	chr15:101284300-101290934	15.8733	17.9388	0.1765	0.617143
Hddc2	chr10:31313381-31328204	6.4518	7.1148	0.1411	0.452932
Rpf2	chr10:40223245-40247036	21.8081	20.1022	-0.1175	0.733157
Phlda1	chr10:111506285-111508645	0.9124	0.6893	-0.4046	0.492909
Rmi1	chr13:58402596-58411149	3.3280	2.9818	-0.1585	0.539500
Gm20457	chr7:64337549-64345964	2.8860	3.8476	0.4149	0.646606
Vkorc1	chr7:127893066-127895617	6.4712	7.6533	0.2420	0.482908
Pwwp2b	chr7:139248481-139267253	1.3605	1.0849	-0.3266	0.667477
Lrrc56	chr7:141194156-141210055	1.1498	1.0094	-0.1879	0.432715
Nkap	chrX:37126794-37150746	10.7157	11.5407	0.1070	0.431531
Rbm41	chrX:139889510-139988595	5.2232	4.8612	-0.1036	0.690911
Mapk12	chr15:89130584-89140703	1.9368	2.3838	0.2996	0.589033
Vps13a	chr19:16616762-16780822	39.0532	37.6922	-0.0512	0.696745
Kcnp2	chr19:45791838-45816061	3.5966	3.2438	-0.1489	0.574253
Gsto1	chr19:47854969-47864790	11.2935	12.7255	0.1722	0.658764
Fasl	chr1:161780690-161788495	17.4621	16.3363	-0.0961	0.591305
Mocos	chr18:24653690-24701556	1.7105	2.0673	0.2733	0.564470
Dhx35	chr2:158794806-158858214	7.2376	7.9129	0.1287	0.569720
Ttc39b	chr4:83220299-83324255	33.7570	32.2938	-0.0640	0.770598
9630013D21Rik	chr4:109651528-109657853	2.5885	3.1144	0.2668	0.623935
E130218I03Rik	chr4:134243661-134245873	9.6274	8.9085	-0.1120	0.569386
Stmn1	chr4:134468319-134473843	3.6909	3.2478	-0.1845	0.432586
Gm8093	chr9:78427506-78430805	0.5707	0.3743	-0.6087	0.654587

Gm24726	chr10:7848360-7848481	6.9131	4.0164	-0.7834	0.587491
Gm867	chr10:75937720-75940672	2.4744	1.9734	-0.3264	0.504903
Unc119b	chr5:115122549-115134975	16.3580	17.4340	-0.0919	0.402846
Vkorc1l1	chr5:129942108-129984745	6.0816	5.6025	-0.1184	0.478097
Gm15492	chr6:113308665-113326747	6.9648	5.8929	-0.2411	0.305677
Zfp143	chr7:110061701-110095392	25.8914	28.2877	0.1277	0.697967
Gm26816	chr8:110863228-110940314	6.2517	5.5015	-0.1844	0.739146
AB124611	chr9:21526175-21545333	18.3801	20.0967	0.1288	0.489050
Cbx6	chr15:79823895-79834688	14.2132	15.2927	0.1056	0.624555
Fdft1	chr14:63145152-63177793	11.5071	12.6401	0.1355	0.624163
Mettl4	chr17:94727079-94749892	16.7214	18.2835	0.1288	0.551703
Arl8a	chr1:135146823-135156269	5.4694	6.2283	0.1875	0.572494
Shhg4	chr18:35553409-35558316	14.8689	12.7812	-0.2183	0.743574
Odf2	chr2:29889220-29931746	11.3333	12.0332	0.0865	0.455026
Secisbp2l	chr2:125736985-125782870	21.4866	20.8277	-0.0449	0.545718
Edem2	chr2:155701676-155729475	15.5637	14.7188	-0.0805	0.669008
Sema4a	chr3:88435958-88461182	5.8037	6.3061	0.1198	0.360038
Lenep	chr3:89400987-89402793	5.6449	5.0373	-0.1643	0.577720
Gm15494	chr7:4445696-4471249	2.4897	1.4221	-0.8079	0.566463
Gm16353	chr9:75132958-75134181	1.0026	0.5695	-0.8159	0.639743
Ptch2	chr4:117096074-117116101	0.1422	0.2160	0.6032	0.458753
Zfp2	chr11:50898711-50916165	0.3391	0.2525	-0.4254	0.376601
Fbxo48	chr11:16951374-16954772	1.3725	1.7328	0.3363	0.514904
Myl4	chr11:104550662-104595753	1.4248	1.2402	-0.2002	0.422330
Tmem63c	chr12:87021339-87090043	0.8459	0.6585	-0.3613	0.685852
Vimp	chr7:66079648-66089412	29.5529	27.3810	-0.1101	0.714320
Igf2bp2	chr16:22059008-22163299	0.1779	0.1113	-0.6761	0.534408
Rbm12	chr2:156091957-156111978	19.2976	18.5694	-0.0555	0.629193
Ube4b	chr4:149328415-149426749	11.4346	12.1699	0.0899	0.410584
Rnf7	chr9:96470940-96478675	20.0019	21.9811	0.1361	0.549447
Slc25a30	chr14:75761998-75787037	20.8050	19.5652	-0.0886	0.573213
Catsper2	chr2:121392630-121413792	0.9331	0.7577	-0.3004	0.567860
Atcayos	chr10:81194608-81210877	1.6824	1.4301	-0.2344	0.704834
Fbxo7	chr10:86021971-86051873	4.8060	5.2492	0.1273	0.482682
Gm11974	chr11:6525590-6528760	18.0234	16.5647	-0.1218	0.685933
Gm12103	chr11:30822241-30822670	2.5097	1.6194	-0.6320	0.552830
Tgtp2	chr11:49057193-49064206	15.3321	16.5352	0.1090	0.468447
Ovca2	chr11:75175941-75178835	19.7668	18.6640	-0.0828	0.642441
NA	chr11:85234774-85235223	5.4841	4.3432	-0.3365	0.476663
Adam4	chr12:81419442-81421946	1.2015	1.5425	0.3604	0.691201
Pcsk1	chr13:75089825-75132498	1.0026	1.2735	0.3450	0.700698
Sh3tc1	chr5:35697179-35729276	0.8913	1.1661	0.3877	0.636968
Rfc3	chr5:151642755-151651242	8.9667	8.4764	-0.0811	0.323814
Trbv26	chr6:41227524-41227993	29.0082	34.4933	0.2499	0.592133
Zfp658	chr7:43562255-43575461	2.8316	2.5563	-0.1476	0.255083
Rpl13a	chr7:45125557-45136231	339.1308	364.2302	0.1030	0.704073
Gm16158	chr7:68338667-68353201	9.2135	11.0687	0.2647	0.643433
Rsf1	chr7:97579895-97692782	12.2987	11.8143	-0.0580	0.695968
Homer3	chr8:70282826-70294361	5.1417	5.7516	0.1617	0.564965
Fam46a	chr9:85320438-85327124	5.2094	5.9193	0.1843	0.724919
6030458C11Rik	chr15:12808176-12824657	13.8518	14.8305	0.0985	0.387924
Eef1d	chr15:75894795-75909556	31.5749	29.9342	-0.0770	0.767566
Rarg	chr15:102234937-102257517	18.0508	16.9466	-0.0911	0.744347
Traj40	chr14:54177920-54177981	39.1975	50.1823	0.3564	0.578100
Tbc1d24	chr17:24175430-24205562	0.4826	0.5986	0.3108	0.672813
H2-T24	chr17:36005694-36020560	47.7309	51.2477	0.1026	0.606067
Frmf8	chr19:5849701-5875274	38.4850	37.1172	-0.0522	0.696413
Dnajc4	chr19:6987910-6992503	23.7114	22.0348	-0.1058	0.605327
Ifit3	chr19:34583530-34588731	18.9945	24.5578	0.3706	0.613264
Tnks2	chr19:36834231-36893477	46.7397	45.4753	-0.0396	0.629111
Rpl5-ps1	chr1:14865071-14865965	1.3538	0.8976	-0.5929	0.664627
Ptp4a1	chr1:30940302-30949770	1.3348	1.5441	0.2101	0.555108
Mrps9	chr1:42851232-42905682	34.5992	37.6186	0.1207	0.604616
Creg1	chr1:165763745-165775308	8.6403	9.5172	0.1395	0.487930
D3Ertd751e	chr3:41742610-41759389	4.4158	5.0294	0.1877	0.705785
Bcas2	chr3:103171654-103179166	17.2361	16.3296	-0.0779	0.746162
Eif4e	chr3:138526190-138557599	17.3551	16.1560	-0.1033	0.741621
Rbm12b2	chr4:12089438-12096243	12.8340	11.9456	-0.1035	0.711120
Tubg2	chr11:101155906-101161787	0.2436	0.4309	0.8229	0.433003
Cenpp	chr13:49464026-49652746	3.8569	5.1315	0.4119	0.482538
Gm4784	chrX:109388743-109392165	0.6004	0.8787	0.5495	0.463404

Trav6d-4	chr14:52753366-52753844	2.1013	3.5219	0.7451	0.586701
Gm11425	chr11:83027499-83027997	1.1974	1.8889	0.6576	0.499312
Gm26461	chr9:88553235-88553534	5.7782	4.3174	-0.4205	0.520114
Rpp14	chr14:8090077-8090554	29.0557	33.1785	0.1914	0.642168
Snx15	chr19:6119398-6128304	5.6106	6.4973	0.2117	0.644959
Gm10518	chr1:179803375-179804676	7.7336	6.7299	-0.2006	0.687921
Slc25a24	chr3:109123148-109168457	12.2867	13.2686	0.1109	0.490151
Acadm	chr3:153922356-153944632	11.7376	11.0328	-0.0893	0.585691
4930539J05Rik	chr3:135436208-135438665	4.6197	4.0772	-0.1802	0.512215
Zfp748	chr13:67538640-67553138	16.3596	15.7266	-0.0569	0.463686
Akap8l	chr17:32321424-32350581	54.7713	52.1322	-0.0712	0.740524
Zxdc	chr6:90369491-90403490	7.0978	6.7876	-0.0645	0.531702
Kat2b	chr17:53566860-53672720	25.4109	24.5629	-0.0490	0.530358
Dyrk1a	chr16:94570009-94695517	26.3753	25.4693	-0.0504	0.672375
Nfatc1	chr18:80606204-80713071	21.8431	20.4633	-0.0941	0.787878
E130311K13Rik	chr3:63914683-63929472	4.6175	3.9969	-0.2082	0.717100
Krr1	chr10:111972663-111988432	26.7613	25.7314	-0.0566	0.711712
Mxd1	chr6:86647043-86669159	15.2892	16.6454	0.1226	0.674762
Cep89	chr7:35397034-35438689	2.9679	2.6789	-0.1478	0.637025
Tspan14	chr14:40906444-40966807	36.3904	35.0255	-0.0552	0.539631
Aptx	chr4:40682381-40703194	3.9262	4.3471	0.1469	0.546656
H3f3a	chr1:180800831-180813943	11.6098	10.6781	-0.1207	0.743757
B430219N15Rik	chr10:7780184-7781357	1.6322	2.1470	0.3955	0.578797
Nhs1	chr10:18390321-18533892	0.6411	0.7634	0.2518	0.603926
Amd1	chr10:40287457-40302188	5.5322	4.9955	-0.1472	0.695236
Ccdc38	chr10:93540631-93584327	3.9349	3.5980	-0.1291	0.614464
Snord118	chr11:69073426-69073561	16.3068	12.9846	0.4952	0.709047
Rabep1	chr11:70844777-70943105	17.8009	17.1116	-0.0570	0.660177
Mrpl10	chr11:97041559-97049213	35.4653	33.6245	-0.0769	0.686781
Pomt2	chr12:87106865-87147902	3.1521	2.8493	-0.1457	0.664374
Cdyl	chr13:35659861-35874064	7.0355	6.4923	-0.1159	0.718443
Depdc1b	chr13:108316331-108407782	2.9154	3.4831	0.2567	0.720144
Zcchc4	chr5:52775408-52824665	3.9357	3.6981	-0.0898	0.671207
Lincpint	chr6:31165522-31218433	18.8346	16.9762	-0.1499	0.791070
Gm20536	chr6:72609835-72616190	59.9907	65.5589	0.1281	0.482654
Gm15987	chr6:128951203-128975029	0.8317	0.6078	-0.4525	0.569850
Rpl28	chr7:4792873-4794562	3.0944	3.7667	0.2837	0.510869
Zfp524	chr7:5015500-5018486	12.6862	14.4262	0.1854	0.630515
Fanci	chr7:79391928-79450265	9.5031	10.2779	0.1131	0.565549
Abce1	chr8:79683441-79711740	82.5680	78.1399	-0.0795	0.784764
Foxred1	chr9:35204205-35211055	11.4904	12.3260	0.1013	0.401980
Azi2	chr9:118040498-118069794	21.1233	22.3376	0.0806	0.429166
Gnl3l	chrX:150983140-151017322	16.0133	17.1871	0.1021	0.603179
Gm17638	chr15:77961673-77967126	29.4067	31.2032	0.0855	0.502365
4930452B06Rik	chr14:8431191-8666240	0.5391	0.7693	0.5129	0.507971
Znrd1as	chr17:36958591-36965622	2.2355	2.9533	0.4018	0.635645
Abat	chr16:8513428-8621568	0.2317	0.3320	0.5191	0.603524
Mxi1	chr19:53310505-53375810	6.1089	5.6823	-0.1044	0.682001
Dst	chr1:33908224-34308652	7.5749	7.1909	-0.0751	0.792218
Zfp142	chr1:74565126-74588246	4.3220	4.0877	-0.0804	0.635273
C430014B12Rik	chr1:82691927-82725117	4.0031	5.3700	0.4238	0.574792
Ccdc141	chr2:77009901-77170636	0.8910	0.7956	-0.1633	0.615532
Ncaph	chr2:127103808-127133954	11.3712	12.4576	0.1316	0.667811
Stk35	chr2:129800516-129832287	3.6039	3.3385	-0.1104	0.575650
Slmo2	chr2:174465066-174473081	33.7532	36.4370	0.1104	0.592081
Proser1	chr3:53463665-53481755	2.0727	1.8584	-0.1574	0.518358
Exosc8	chr3:54728677-54735393	26.2150	28.0943	0.0999	0.569778
Gnai3	chr3:108107279-108146146	82.9750	87.8959	0.0831	0.595751
Mrpl37	chr4:107055873-107066868	7.8954	7.4797	-0.0780	0.408332
Gm13171	chr4:155502315-155502706	2.1950	1.5074	-0.5422	0.355546
Gp1ba	chr11:70639121-70642036	2.1869	1.7651	-0.3091	0.708168
Coch	chr12:51593340-51605773	1.1538	0.8431	-0.4527	0.634949
Grifin	chr5:140563118-140565071	1.3370	2.0307	0.6030	0.469068
Kantr	chrX:152298499-152327495	0.8939	1.3335	0.5771	0.648277
Vta1	chr10:14654754-14705560	18.6900	20.3040	0.1195	0.578425
Pln	chr10:53337685-53345999	1.9438	1.5349	-0.3407	0.678507
A230046K03Rik	chr10:83543940-83596469	23.9551	25.5409	0.0924	0.602754
Neurl4	chr11:69901071-69913820	15.3864	14.7791	-0.0581	0.640498
Ddx5	chr11:106780354-106789185	308.4491	300.0624	-0.0398	0.728470
Dnah17	chr11:118021722-118129219	1.6445	1.5370	-0.0975	0.590717
Ppp2r3c	chr12:55280813-55303000	10.6544	9.8316	-0.1159	0.669452

Naa35	chr13:59585258-59634798	6.6072	6.2406	-0.0824	0.613723
Gm5555	chr5:49552256-49553270	2.1264	1.6608	-0.3565	0.529011
Gm15820	chr5:54094000-54095041	4.0584	5.0093	0.3037	0.544144
Lrrc8c	chr5:105519387-105613018	12.1749	11.6486	-0.0638	0.700626
Slc26a1	chr5:108669877-108675569	2.2643	2.0101	-0.1717	0.561492
Tpcn1	chr5:120534159-120588613	7.2519	6.6756	-0.1195	0.741885
Gm10382	chr5:125389321-125390554	3.2227	3.8713	0.2646	0.497753
Alkbh4	chr5:136136145-136141615	16.9421	18.1718	0.1011	0.112471
Trim56	chr5:137105643-137116209	27.6248	29.3511	0.0875	0.617776
Hmces	chr6:87913934-87936629	9.6871	10.6234	0.1331	0.516478
Gm26799	chr6:112696776-112704668	4.5088	3.9085	-0.2061	0.590277
Tada3	chr6:113366024-113377883	8.9994	8.4827	-0.0853	0.600226
Cacna2d4	chr6:119236525-119352407	5.3211	4.9094	-0.1162	0.739281
Gm22362	chr6:131380272-131380406	17.4334	12.2717	-0.5065	0.651529
Pex11a	chr7:79735956-79743131	1.8652	2.2193	0.2508	0.520605
Map2k7	chr8:4238739-4251423	14.6472	14.0446	-0.0606	0.631208
Ccl25	chr8:4325209-4360020	1.3049	1.5918	0.2868	0.467004
Golga7	chr8:23241352-23257074	13.0354	11.8817	-0.1337	0.730776
Dctd	chr8:48099091-48153233	3.4423	3.9703	0.2059	0.655698
Dda1	chr8:71469198-71476098	16.7547	15.7350	-0.0906	0.717635
Lonp2	chr8:86624042-86723873	27.1435	28.6119	0.0760	0.369424
Gnpat	chr8:124863032-124890057	25.7896	24.6853	-0.0631	0.694629
Fam118b	chr9:35216964-35267805	6.6234	6.2691	-0.0793	0.575220
E530011L22Rik	chr9:121757206-121759788	0.9038	1.1959	0.4040	0.647282
Elk1	chrX:20933394-20950608	2.7177	3.0431	0.1631	0.556717
Rps19bp1	chr15:80260613-80264306	11.3613	13.6269	0.2623	0.635534
Fhit	chr14:9550091-11162035	0.7482	1.0876	0.5397	0.584574
Nubp2	chr17:24882610-24886350	30.9332	33.1279	0.0989	0.330413
0610011F06Rik	chr17:25875463-25886007	22.3599	24.5631	0.1356	0.574202
Atp6v1g2	chr17:35233659-35238767	4.8372	5.5200	0.1905	0.638785
Ddr1	chr17:35681566-35704621	1.4861	1.7511	0.2367	0.614889
Trmt61b	chr17:71557026-71598755	2.1472	1.8063	-0.2494	0.659924
Spidr	chr16:15889226-16146851	9.9193	9.2472	-0.1012	0.688586
BC048609	chr19:6080032-6080788	4.0878	5.5338	0.4369	0.572082
Naa40	chr19:7225667-7241222	19.9698	21.5118	0.1073	0.599559
Psat1	chr19:15904677-15947337	24.8818	26.7583	0.1049	0.654155
Cspp1	chr1:10038217-10136768	6.8850	6.5246	-0.0776	0.706140
Tsga10	chr1:37754571-37865298	0.3360	0.2473	-0.4423	0.628914
Mars2	chr1:55237176-55240058	9.9185	10.8859	0.1343	0.617240
Ankzf1	chr1:75192150-75199387	11.4639	12.2418	0.0947	0.400674
Sp100	chr1:85649987-85709998	43.0866	41.5131	-0.0537	0.755431
Ing5	chr1:93803964-93822101	18.6821	17.9124	-0.0607	0.665421
Tnnt2	chr1:135836385-135852260	0.9853	1.4050	0.5120	0.437413
Usp21	chr1:171281944-171287991	4.6133	5.0755	0.1378	0.523060
Zfp35	chr18:23989631-24005376	6.8961	6.4214	-0.1029	0.537457
Rpl7a	chr2:26910763-26913318	27.8187	30.2202	0.1195	0.652978
Gpr107	chr2:31152315-31219548	8.8324	9.4610	0.0992	0.591846
Wdr38	chr2:38997475-39006168	2.7171	2.3212	-0.2272	0.696563
Rbbp9	chr2:144542264-144550869	3.3474	3.8600	0.2056	0.534960
Gm14139	chr2:150181754-150193279	0.6783	0.4342	-0.6436	0.590021
Kif3b	chr2:153291412-153333390	21.3263	22.4918	0.0768	0.198586
Gm14269	chr2:170463513-170463819	12.5396	9.3947	-0.4166	0.599458
Dap3	chr3:88920802-88951181	16.7676	16.0236	-0.0655	0.723990
Fam189b	chr3:89183142-89189295	17.0495	16.2815	-0.0665	0.615078
Adam15	chr3:89339639-89349996	3.2610	2.8945	-0.1720	0.734275
Gng10	chr4:59035087-59041903	34.9401	38.7322	0.1486	0.701785
Rpsa-ps11	chr4:59162267-59163156	9.8965	11.4365	0.2087	0.593000
Trim32	chr4:65604985-65616238	5.5630	5.0938	-0.1271	0.619808
Urod	chr4:116989964-116994413	11.4438	12.5081	0.1283	0.542754
Wdtdc1	chr4:133292458-133353481	5.4311	4.9802	-0.1250	0.714654
Masp2	chr4:148602553-148615499	13.8580	13.1889	-0.0714	0.510048
Gm11964	chr11:5634138-5634582	1.8857	1.1742	-0.6833	0.560081
Gm11775	chr11:121029401-121052357	2.7672	3.9539	0.5148	0.571089
Gm17617	chr13:55132961-55133548	42.6306	60.5283	0.5057	0.581529
8430432A02Rik	chr1:43092587-43093835	0.5464	0.8515	0.6400	0.486505
Hsh2d	chr8:72189667-72200995	16.8983	18.7981	0.1537	0.646327
Rnf150	chr8:82863355-83091271	0.0869	0.0485	-0.8398	0.652650
Immp1l	chr2:105904637-105965558	11.0833	12.5142	0.1752	0.514703
St6galnac3	chr3:153205404-153725062	2.8810	3.5693	0.3091	0.411139
Ypel3	chr7:126776954-126780514	32.4217	34.9305	0.1075	0.593362
Ap1m2	chr9:21295456-21312333	1.0508	0.7988	-0.3957	0.542286

Crif2	chr5:109554710-109558993	32.1613	35.4833	0.1418	0.697861
Ctsz	chr2:174427492-174439039	47.8629	51.3232	0.1007	0.592357
Ap5s1	chr2:131207077-131213514	4.6483	5.3215	0.1951	0.455741
Gpr25	chr1:136258913-136260873	0.6861	0.4283	-0.6799	0.664448
Armc7	chr11:115475666-115490467	21.6625	23.0492	0.0895	0.358647
Senp7	chr16:56075408-56190011	14.0317	14.9729	0.0937	0.499696
Tmod4	chr3:95124475-95129209	1.9837	1.5277	-0.3769	0.625067
Mcu	chr10:59446983-59616692	6.7720	6.4262	-0.0756	0.594654
Trerf1	chr17:47140941-47359458	2.8354	3.2259	0.1861	0.627789
Izumo4	chr10:80702692-80705382	44.1183	41.8672	-0.0756	0.564032
Hus1	chr11:8993136-9011191	5.1802	4.8802	0.1861	0.639113
Slc35b3	chr13:38932139-38960875	26.8887	25.5498	-0.0737	0.692889
Snrpc	chr17:27839973-27851968	3.7680	4.0959	0.1204	0.332247
Def6	chr17:28207777-28228608	68.6084	72.7846	0.0852	0.585918
Btla	chr16:45224314-45252895	83.5310	88.4893	0.0832	0.596672
Mfsd6	chr1:52656285-52727462	9.0961	8.6527	-0.0721	0.669071
Eif1a	chr18:46597703-46610225	28.5501	26.9808	-0.0816	0.758649
Rph3al	chr11:75830998-75938429	0.8299	1.1236	0.4372	0.606363
Svopl	chr6:37983738-38046996	0.0892	0.1687	0.9197	0.464999
Gsap	chr5:21186266-21291701	16.2281	17.4960	0.1085	0.605339
Ppat	chr5:76913248-76951578	28.5328	26.8234	-0.0891	0.770588
Galnt11	chr5:25222881-25265918	11.6967	10.9461	-0.0957	0.716359
Fam122a	chr19:24476501-24477356	4.0161	4.9400	0.2987	0.587120
Cdc23	chr18:34630950-34651735	13.8179	13.3821	-0.0462	0.571147
Hip1	chr5:135406522-13545122	5.3479	5.9831	0.1619	0.715371
Arhgap18	chr10:26753420-26918648	17.1848	18.4177	0.1000	0.587129
Rpp14	chr14:8080366-8091834	14.8310	13.8687	-0.0968	0.694848
Mob4	chr1:55131230-55154899	14.2635	15.2991	0.1011	0.489293
Gm24489	chr1:161037600-161037681	90.0254	103.4834	0.2010	0.505790
Hars	chr18:36766529-36783205	57.7898	55.2175	-0.0657	0.735917
Slc5a10	chr11:61672780-61720826	2.7360	3.2560	0.2510	0.615782
Rpn1	chr6:88084472-88105304	54.0103	52.2409	-0.0481	0.714448
Cebpg	chr7:35046421-35056503	18.0069	17.2988	-0.0579	0.638885
Mgat5	chr1:127204985-127483704	15.9617	15.3209	-0.0591	0.474417
Hnrnp1	chr4:136310941-136342968	24.9367	24.0939	-0.0496	0.650691
1190005I06Rik	chr8:120608601-120647632	0.9254	0.6198	-0.5784	0.613758
Gm2735	chr9:59844326-59844603	1.9087	2.9979	0.6514	0.430943
Gm20033	chr5:64708206-64804117	2.5149	2.9802	0.2449	0.533457
Rpl8	chr15:76904070-76906318	1035.3445	1108.0491	0.0979	0.709116
Sh3pxd2a	chr19:47260173-47464411	4.1117	4.4302	0.1076	0.478937
Hmgn2	chr4:133964737-133968650	4.4516	4.9230	0.1452	0.313091
Rpap3	chr15:97675104-97705822	23.4040	22.2636	-0.0721	0.619718
Ntng2	chr2:29194793-29253005	6.1281	6.7665	0.1430	0.609420
Zswim1	chr2:164822685-164826871	4.8583	4.4459	-0.1280	0.480832
C1qtnf4	chr2:90885859-90890525	0.6325	0.9468	0.5820	0.491583
Mir5132	chrX:74023527-74023598	11.6154	6.9689	-0.7370	0.583264
Nop14	chr5:34638531-34660148	22.2440	21.0665	-0.0785	0.722753
Gbp4	chr5:105115766-105139586	68.9864	73.4104	0.0897	0.673740
Kcnab2	chr4:152390741-152477871	34.0379	35.9757	0.0799	0.556315
Nf1	chr11:79339692-79581612	2.0826	2.3135	0.1517	0.688455
4933408J17Rik	chr10:93589412-93605245	1.1162	0.8017	-0.4774	0.559219
Pde6b	chr5:108388390-108432397	1.4678	1.2922	-0.1839	0.608246
Aif1	chr17:35170990-35176068	0.8648	0.5937	-0.5426	0.649994
Gm26546	chr10:88379243-88383711	1.4592	1.2284	-0.2483	0.732767
Gm12000	chr11:11695132-11696439	20.6563	18.4089	-0.1662	0.718003
Eml6	chr11:29743047-30026033	0.6845	0.5946	-0.2030	0.624444
Wrap53	chr11:69561757-69580255	11.1802	12.4752	0.1581	0.605144
Fxr2	chr11:69632989-69653297	24.2566	23.3913	-0.0524	0.574783
Glrx5	chr12:105032688-105040910	28.1922	31.0444	0.1390	0.618359
Slc25a47	chr12:108851128-108856814	1.8212	1.4854	-0.2940	0.556575
Polr2b	chr5:77310146-77349324	51.7829	50.1564	-0.0460	0.690752
Cd151	chr7:141467361-141471479	11.0453	12.1289	0.1350	0.544986
Ipo5	chr14:120911193-120948042	54.5588	51.9556	-0.0705	0.795927
4930481A15Rik	chr19:5406739-5422847	4.6807	5.2532	0.1665	0.440654
Rfx3	chr19:27761720-28011166	2.6210	2.8396	0.1156	0.443314
Rel2	chr18:37955078-37959179	4.8428	4.4475	-0.1228	0.615887
Ctso	chr3:81932600-81956725	13.6684	14.5298	0.0882	0.325454
Zfp687	chr3:95006589-95015448	13.0272	12.4653	-0.0636	0.678536
9530052C20Rik	chr3:142882494-142894644	0.2953	0.4670	0.6610	0.487119
Efr3a	chr15:65787033-65873816	23.9219	25.3301	0.0825	0.609874
Mrpl14	chr17:45686321-45698495	7.6223	8.7241	0.1948	0.514739

Tgm2	chr2:158116401-158146436	1.6193	1.4067	-0.2030	0.646833
Slbp	chr5:33634951-33652574	20.9590	22.5481	0.1054	0.643840
Gbp8	chr5:105014152-105139540	38.6947	41.7047	0.1081	0.673420
Plekhg1	chr10:3740363-3967303	0.2613	0.2007	-0.3807	0.700906
Wdr18	chr10:79960151-79969246	19.7075	18.6395	-0.0804	0.739854
Gls2	chr10:128194456-128210004	0.5143	0.3992	-0.3657	0.430985
Nrde2	chr12:100125451-100159653	16.5191	17.6875	0.0986	0.555422
Dhx29	chr13:112927729-112969431	15.6996	14.9076	-0.0747	0.732648
Magi2	chr5:20702276-20706049	1.5476	1.0491	-0.5608	0.596092
Crbn	chr6:106778248-106800074	47.8914	50.5517	0.0780	0.556624
Clasrp	chr7:19581043-19604468	20.7107	19.4079	-0.0937	0.726270
4921522P10Rik	chr8:8661800-8664728	0.8692	0.6628	-0.3909	0.575004
Nacc1	chr8:84670482-84687862	15.9463	17.0392	0.0956	0.541880
Trappc2l	chr8:122611625-122615588	34.5251	32.0171	-0.1088	0.588761
Parp6	chr9:59617283-59650290	14.8408	13.8994	-0.0945	0.735167
Lysmd2	chr9:75625731-75637773	7.7889	8.9255	0.1965	0.585586
Tbc1d25	chrX:8154471-8176181	3.9888	3.6002	-0.1479	0.584719
Mfsd5	chr15:102279455-102281744	20.0200	18.6892	-0.0992	0.715093
Fam160b2	chr14:70583295-70599835	5.8260	5.3947	-0.1110	0.685318
Gm21844	chr19:4801511-4805784	15.1055	13.4926	-0.1629	0.629977
B3gat3	chr19:8920373-8927234	29.0851	31.3769	0.1094	0.585740
Rb1cc1	chr1:6206196-6276648	13.6254	14.4539	0.0852	0.609348
Gm14453	chr2:173025684-173034580	27.2722	25.2557	-0.1108	0.278315
Mast2	chr4:116306761-116464183	5.6490	5.3647	-0.0745	0.615287
Mir704	chr6:47803575-47803652	52.8051	70.4241	0.4154	0.623370
Cdc42bpa	chr1:179960471-180165603	0.1093	0.0751	-0.5407	0.716791
Arel1	chr12:84918147-84970900	40.4598	39.3777	-0.0391	0.659881
Cox18	chr5:90214723-90224001	11.2138	10.4778	-0.0979	0.542046
Dpy19l3	chr7:35685164-35754454	3.5898	3.4176	-0.0709	0.549574
Dctpp1	chr7:127256958-127260709	34.8154	31.3923	-0.1493	0.735770
Ath1l	chr7:140941390-140947664	16.2719	17.6946	0.1209	0.655325
Mpi	chr9:57544255-57552763	5.6610	6.2200	0.1359	0.455554
Taf8	chr17:47488049-47502287	23.8732	25.5021	0.0952	0.559255
Mms19	chr19:41941085-41981157	15.1796	14.6833	-0.0480	0.696580
As3mt	chr19:46707442-46741095	4.9999	5.7034	0.1899	0.498696
Rfwd2	chr1:159232325-159347580	5.9597	5.5365	-0.1063	0.714327
Ptpn2	chr18:67665510-67724595	31.6977	33.9757	0.1001	0.645747
Plod1	chr4:147909752-147936767	1.5578	1.3907	-0.1637	0.661184
Gpr182	chr10:127747275-127751732	0.5204	0.7142	0.4567	0.623198
Gm10039	chr11:100361617-100362151	2.4269	3.4709	0.5162	0.579272
Lsm5	chr6:56701062-56704692	2.1006	2.9418	0.4859	0.567717
Qrfp	chr2:31806165-31810580	0.7890	0.5998	-0.3955	0.643094
Slc25a35	chr11:68968130-68974365	1.4707	1.2739	-0.2073	0.528012
Clec7a	chr6:129461590-129472777	0.2029	0.3336	0.7177	0.526920
Ankrd24	chr10:81628539-81647610	1.1165	0.7156	-0.6417	0.556612
Dhrs9	chr2:69380444-69404533	0.2029	0.1115	-0.8644	0.656388
Zdhhc14	chr17:5492599-5753891	0.4360	0.3077	-0.5029	0.604314
Slc35a2	chrX:7884040-7894492	5.6868	5.2501	-0.1153	0.583037
Tmem243	chr5:9100736-9118983	44.9429	48.4667	0.1089	0.613387
Ddx10	chr9:53098453-53248112	32.8365	31.2526	-0.0713	0.772439
Traj45	chr14:54172827-54172890	22.6740	16.1671	-0.4880	0.577293
Tfcp2l1	chr1:118627944-118685167	0.0677	0.1186	0.8086	0.553283
Fam185a	chr5:21424957-21482124	4.0712	3.7482	-0.1193	0.619704
Slc25a13	chr6:6041217-6217118	5.5595	6.0962	0.1330	0.404314
Trbv4	chr6:41059442-41059881	45.9691	53.4208	0.2167	0.681993
Stk38l	chr6:146724994-146778812	2.1527	2.4403	0.1809	0.521683
Cd22	chr7:30865401-30880342	3.2678	3.8404	0.2329	0.740590
Aqp11	chr7:97726378-97738247	0.6953	1.0301	0.5670	0.675347
Cdc16	chr8:13757675-13781938	22.8016	21.4220	-0.0900	0.787690
2610005L07Rik	chr8:20267773-20424814	0.3320	0.2462	-0.4314	0.617326
Vdac3	chr8:22577074-22593813	11.1975	10.3054	-0.1198	0.631815
Dnaaf1	chr8:119575234-119598454	3.9176	3.5495	-0.1424	0.557115
Sik3	chr9:46012819-46224194	7.3424	7.9818	0.1205	0.676920
Rpl4	chr9:64173386-64178562	1052.3277	1118.1418	0.0875	0.698064
Golga4	chr9:118506317-118582522	31.0250	30.2300	-0.0375	0.589324
Eif3d	chr15:77958997-77970824	130.2446	125.2073	-0.0569	0.774631
Tef	chr15:81802420-81826861	7.7726	8.3501	0.1034	0.641792
Asic1	chr15:99670717-99701127	1.2043	1.0047	-0.2614	0.550597
Slc22a2	chr17:12584188-12628465	0.9169	0.7077	-0.3737	0.604581
Ide	chr19:37268742-37337852	29.4615	30.9281	0.0701	0.309685
Rab3gap2	chr1:185204167-185286743	15.4528	16.4092	0.0866	0.514786

Gm27026	chr18:52472847-52473739	3.3527	2.7307	-0.2961	0.580304
Gucy1b3	chr3:82032003-82074711	0.8956	1.1073	0.3061	0.567495
Cd1d2	chr3:86986585-86989533	0.8169	0.5428	-0.5897	0.528736
Cdk5rap2	chr4:70216855-70410443	7.6738	7.3916	-0.0541	0.660827
Nfyc	chr4:120757437-120831572	9.9554	10.7121	0.1057	0.183862
Utp11l	chr4:124678159-124693600	10.5106	11.4083	0.1182	0.653950
Perm1	chr4:156215926-156221307	1.6357	1.4452	-0.1787	0.479928
AA465934	chr11:83291698-83294632	5.5893	4.2945	-0.3802	0.633375
1810010H24Rik	chr11:107028117-107030443	1.6787	1.2177	-0.4631	0.602838
Ly86	chr13:37345344-37419036	0.7497	1.2020	0.6810	0.542295
Gm24004	chr9:95934612-95934790	2.6392	4.5211	0.7766	0.596014
Bik	chr15:83526861-83544635	1.0495	1.5380	0.5513	0.527514
Nfe2	chr15:103248211-103258403	0.4939	0.3480	-0.5054	0.599738
Trav10n	chr14:53122113-53122610	3.0957	4.8260	0.6406	0.675742
Ier3	chr17:35821683-35822923	1.1212	1.5843	0.4988	0.515569
Eif3h	chr15:51786557-51865481	128.6538	138.2708	0.1040	0.705242
F830016B08Rik	chr18:60293379-60303016	4.1052	3.6832	-0.1565	0.737886
ApoH	chr11:108343353-108414396	2.5413	2.9955	0.2373	0.422087
Gm17518	chr16:90727511-90729120	0.5681	0.3474	-0.7096	0.512079
Zyg11b	chr4:108229723-108301096	20.8056	21.9739	0.0788	0.556994
Cuta	chr17:26937972-26939478	39.7710	42.8700	0.1082	0.035372
UbtD2	chr11:32455369-32516687	4.0430	3.4430	-0.2318	0.530955
Rpl23	chr11:9777526-97782437	105.3008	113.8570	0.1127	0.721209
Eif2s1	chr12:78861818-78887010	38.5583	36.6487	-0.0733	0.788028
Gm15421	chr5:22528320-22528719	2.0076	1.2584	-0.6739	0.586897
Kdm5a	chr6:120364098-120444574	26.5370	25.8702	-0.0367	0.666494
2310057M21Rik	chr7:131342717-131362698	5.1342	4.6260	-0.1504	0.589724
Mapk1ip1	chr7:138835822-138846273	7.5966	7.0034	-0.1173	0.539486
Zfp560	chr9:20345135-20385177	2.9148	2.6695	-0.1268	0.631706
Psmd10	chrX:140948428-140956728	16.7638	15.5080	-0.1123	0.711528
Gm26874	chr19:57459571-57461553	0.7188	0.4668	-0.6226	0.633541
Gm6085	chr1:4687933-4689403	9.1047	10.2858	0.1760	0.614653
Rsg1	chr4:141213955-141226756	1.0587	0.7636	-0.4714	0.656790
Syne1	chr10:5336948-5550692	0.2265	0.1601	-0.5009	0.676026
Gm12846	chr4:98664365-98666137	0.4066	0.6771	0.7356	0.674541
Anapc16	chr10:59987408-60003135	13.5804	14.4664	0.0912	0.537000
Ddhd2	chr8:25725323-25754280	14.9795	15.9712	0.0925	0.499944
Ttc7	chr17:87282885-87381769	16.4213	17.5947	0.0996	0.669689
Ube2v2	chr16:15552676-15594524	3.2740	3.6629	0.1619	0.628530
Gm14230	chr2:156833048-156839892	2.0111	1.5681	-0.3589	0.634358
Gm24468	chr4:101186763-101186867	11.2241	7.1702	-0.6465	0.595588
Gm9816	chr16:62716952-62718810	0.3227	0.5218	0.6934	0.536219
Adi1	chr12:28675230-28682175	4.9407	5.6806	0.2013	0.621828
Fbxw17	chr13:50417863-50433780	5.1838	5.6858	0.1334	0.534476
Atg9b	chr5:24384180-24392143	1.8782	1.6671	-0.1719	0.587235
Mpv17	chr5:31140659-31158153	5.4774	5.9996	0.1314	0.382919
Sgcb	chr5:73632748-73647713	4.3387	3.8839	-0.1597	0.772111
Qpctl	chr7:19140216-19149196	3.9426	4.5847	0.2177	0.639031
Ube4a	chr9:44923130-44965600	11.7462	11.3982	-0.0434	0.270831
Idh3g	chrX:73778962-73786897	43.5280	46.1778	0.0853	0.592776
Mpp1	chrX:75109732-75131016	15.6451	15.0112	-0.0597	0.704006
Serac1	chr17:6042195-6079741	2.1437	1.9154	-0.1625	0.655715
Mrpl18	chr17:12911348-12916345	34.2734	32.2780	-0.0865	0.721311
Alkbh7	chr17:56997338-56999322	7.4100	8.5462	0.2058	0.615550
Sfxn4	chr19:60837276-60861479	1.8685	2.2473	0.2663	0.705450
Cdc123	chr2:5794293-5845164	15.5670	16.6913	0.1006	0.551784
Ptpn22	chr3:103859794-103912247	58.4290	61.5465	0.0750	0.486050
Cpne3	chr4:19519253-19570108	12.2990	12.9938	0.0793	0.326974
Klhdc8b	chr9:108447657-108452377	0.6149	0.8731	0.5056	0.566526
Traj58	chr14:54157279-54157342	13.2655	8.8461	-0.5846	0.488529
Gm13608	chr2:31985058-31986464	1.3671	1.7971	0.3946	0.636695
Nudt16	chr9:105129337-105131805	17.4285	18.8025	0.1095	0.347118
Sec14l1	chr11:117115167-117159268	12.8384	13.7375	0.0977	0.646282
Gm17529	chr12:58953094-58968011	2.8392	2.5204	-0.1718	0.659770
Auh	chr13:52835118-52929681	4.6066	4.9333	0.0988	0.476151
Gm21967	chr13:119606649-119610458	2.5626	2.0363	-0.3317	0.704617
Rgs12	chr5:34949444-35039644	1.9973	2.2184	0.1515	0.564279
Polr2i	chr7:30231947-30233390	12.6884	14.2878	0.1713	0.668065
Tm2d3	chr7:65691168-65701913	26.3736	24.8381	-0.0865	0.717725
Klf2	chr8:72319032-72321656	57.4457	54.9853	-0.0632	0.766037
Higd1a	chr9:121848559-121858000	6.1756	6.9201	0.1642	0.523357

Rrm2b	chr15:37923951-37961318	6.0129	6.5620	0.1261	0.651987
Dynl1c	chr17:6601670-6609774	0.5158	0.3766	-0.4538	0.564393
Ebi3	chr17:55952622-55957021	6.4883	7.5788	0.2241	0.652173
Ctsw	chr19:5465239-5468498	37.2967	40.1362	0.1059	0.572744
Fam160b1	chr19:57361008-57389594	15.6096	14.9494	-0.0623	0.725122
Stk25	chr1:93621901-93635722	26.5719	25.4229	-0.0638	0.747017
AW554918	chr18:25168998-25467321	3.5794	3.2598	-0.1349	0.749995
Blcap	chr2:157556361-157571274	5.0190	4.6475	-0.1109	0.516067
C1qtnf9	chr14:60768133-60780869	0.5762	0.3854	-0.5801	0.633605
1810059H22Rik	chr5:148953747-148970122	0.3792	0.2762	-0.4570	0.528185
Gm14277	chr2:157168819-157169179	3.6941	2.3838	-0.6320	0.690366
Gm16060	chr3:138828684-138829162	2.4849	1.6686	-0.5745	0.713644
Gm12785	chr4:101210415-101210587	4.0028	6.2033	0.6320	0.586904
Fpgs	chr2:32682608-32704137	4.8696	4.5027	-0.1130	0.670183
Epb4.1l5	chr1:119545032-119649000	0.1748	0.1252	-0.4809	0.663287
Zfp808	chr13:62129915-62173419	2.1113	2.4389	0.2081	0.485335
Mgat1	chr11:49244190-49263030	19.0892	20.2426	0.0846	0.535361
Ltb4r1	chr14:55765961-55768494	1.3126	1.6328	0.3149	0.226832
Gnl1	chr17:35979850-35989462	29.7237	28.6778	-0.0517	0.668931
Gm5578	chr6:112605543-112606779	0.7132	1.0832	0.6030	0.583542
Gm15658	chr16:33770429-33787112	5.3613	6.8690	0.3575	0.679600
Cipc	chr12:86947342-86965362	9.9675	9.3665	-0.0897	0.756041
A530083I20Rik	chr9:122885079-122903184	2.2619	1.9893	-0.1853	0.645837
Dnm1l	chr16:16312234-16359030	36.9360	35.7842	-0.0457	0.668257
Gtf3c3	chr1:54397580-54438971	17.3882	16.5159	-0.0743	0.719676
Mid1	chrX:169685198-170005736	0.4391	0.5536	0.3343	0.626700
Kcnmb4os1	chr10:116418051-116421237	1.5144	2.1048	0.4749	0.628035
Srr	chr11:74906358-74925948	12.7554	13.6270	0.0954	0.516112
Stat5a	chr11:100859350-100885169	21.9299	21.2881	-0.0429	0.672360
Cenph	chr13:100759673-100775899	5.2397	4.6905	-0.1598	0.609406
Myo7a	chr7:98051059-98119524	0.9235	1.0611	0.2004	0.617580
Spcc3	chr8:54520432-54529998	61.6253	59.5003	-0.0506	0.759518
Il2rg	chrX:101264377-101268255	143.8727	150.8397	0.0682	0.477778
Klh124	chr16:20097553-20127744	25.9831	27.4502	0.0792	0.570979
Gm10143	chr19:10198367-10202384	21.5645	22.9770	0.0915	0.561179
Ypel4	chr2:84734057-84738655	1.0824	0.8690	-0.3168	0.655223
Gm12868	chr4:119133748-119138801	6.7397	5.3369	-0.3367	0.664444
Gm11604	chr11:98185365-98186107	1.8052	1.2780	-0.4983	0.554525
Nnat	chr2:157560077-157562522	1.3093	0.9077	-0.4371	0.701993
Med23	chr10:24869985-24913681	17.7869	17.1378	-0.0536	0.726127
Pqlc3	chr12:16988647-17000408	10.6933	11.4653	0.1006	0.600609
Gm15560	chr10:7808115-7808758	3.0771	2.2115	-0.4766	0.710369
Gm11529	chr11:96448322-96464547	2.6875	2.1059	-0.3518	0.516266
Ten1	chr11:116198854-116215318	6.6544	7.2626	0.1262	0.399520
Cdo1	chr18:46713204-46728342	0.9920	1.4136	0.5110	0.595823
Gm10355	chr3:101306560-101307079	1.5508	0.8932	-0.7960	0.524074
Mfsd10	chr5:34633641-34637212	10.2679	11.1981	0.1251	0.635627
Mrpl34	chr8:71464925-71465752	28.6762	31.7013	0.1447	0.605950
Elmod2	chr8:83312631-83332486	3.4082	3.2396	-0.0732	0.590121
Ndufaf3	chr9:108565865-108567342	15.1590	16.9467	0.1608	0.687864
Ccny	chr18:9314043-9450150	35.8635	38.0062	0.0837	0.603367
Slc35a4	chr18:36679578-36683858	12.9516	13.9978	0.1121	0.588028
2500004C02Rik	chr2:153341156-153346073	4.3144	3.8921	-0.1486	0.553366
Bbs10	chr10:111298678-111301736	3.5009	4.0309	0.2034	0.626761
Zbtb39	chr10:127739537-127747335	2.2910	2.5416	0.1498	0.509782
Gm12319	chr11:70654740-70656493	7.4748	6.0147	-0.3135	0.582673
Med31	chr11:72211723-72215592	4.9360	5.5440	0.1676	0.339751
Pitpna	chr11:75588096-75628804	39.7626	41.8524	0.0739	0.491635
Rhot1	chr11:80209018-80267907	12.2290	11.8394	-0.0467	0.459706
NA	chr11:87443236-87443450	5.1493	3.6761	-0.4862	0.587596
Abi3	chr11:95830073-95842476	7.7284	7.0938	-0.1236	0.789412
Sgsh	chr11:119343424-119355536	8.9637	9.8019	0.1290	0.654501
Mbip	chr12:56328305-56345894	13.3270	15.0167	0.1722	0.682844
Atp5s	chr12:69724961-69744658	2.7095	3.1916	0.2363	0.537148
Sav1	chr12:69965011-69987002	18.2682	17.3318	-0.0759	0.711310
Gtf2a1	chr12:91555915-91590487	9.3000	8.7151	-0.0937	0.768995
Ptcd2	chr13:99319648-99344678	23.7974	22.6195	-0.0732	0.637800
NA	chr13:106833859-106847267	4.3526	3.8543	-0.1754	0.597721
Aldh2	chr5:121566026-121593824	1.8336	2.0728	0.1769	0.559258
5730422E09Rik	chr5:149119564-149184063	0.9118	0.6840	-0.4148	0.614951
Acn9	chr6:6956003-7042979	0.6779	0.8126	0.2615	0.561518

Trbv23	chr6:41216072-41216526	6.3803	7.8259	0.2946	0.364553
Serbp1	chr6:67266978-67289302	110.6233	106.3160	-0.0573	0.811271
Lrig1	chr6:94604528-94700158	35.2274	36.9114	0.0674	0.401460
Atg7	chr6:114643096-114860614	8.4595	9.0111	0.0911	0.320531
Gm20692	chr6:120512448-120513232	6.5946	7.6497	0.2141	0.381884
Gm15545	chr7:44986899-44994597	6.6033	6.0483	-0.1266	0.601269
Nucb1	chr7:45492873-45510406	27.0576	26.0424	-0.0552	0.763521
Uevld	chr7:46923538-46958527	1.1594	1.0314	-0.1688	0.691565
Taf10	chr7:105739392-105744361	34.2344	35.9579	0.0709	0.443975
Cd2bp2	chr7:127191659-127196000	45.6304	44.0275	-0.0516	0.757630
Dhcr7	chr7:143823144-143848410	4.9899	4.5837	-0.1225	0.691862
Wrrn	chr8:33234383-33385527	21.5801	20.9232	-0.0446	0.618761
Cdk10	chr8:123224840-123232250	14.0852	13.0595	-0.1091	0.728978
Pcnx12	chr8:125751508-125898293	0.3123	0.2493	-0.3254	0.608983
Chek1	chr9:36708481-36727065	4.5431	4.1748	-0.1220	0.752532
Ctsh	chr9:90054151-90076089	0.4773	0.9220	0.9498	0.472439
Zcchc12	chrX:36195903-36199158	0.4789	0.6322	0.4006	0.481620
Nono	chrX:101429317-101448591	56.5548	59.3913	0.0706	0.525533
Ywhaz	chr15:36770769-36794547	29.0936	28.0990	-0.0502	0.684433
Trmt12	chr15:58872648-58876781	4.5569	5.0480	0.1477	0.657271
Aco2	chr15:81872308-81915133	51.2171	49.8411	-0.0393	0.666452
Letmd1	chr15:100469033-100479252	16.4243	17.7089	0.1086	0.570709
Mir3076	chr14:30572148-30572208	64.6900	49.9326	-0.3736	0.630829
Gm15932	chr14:55567218-55575991	12.4076	14.2132	0.1960	0.501076
Gnrh1	chr14:67745228-67749435	3.5254	2.7569	-0.3548	0.534900
Snora31	chr14:75847904-75848034	20.5550	16.8700	-0.2850	0.590540
Klc4	chr17:46630630-46645144	10.1918	9.3906	-0.1181	0.751608
Gm26675	chr16:3862383-3884505	12.8236	11.8028	-0.1197	0.721598
Sdf2l1	chr16:17130137-17132383	19.9636	21.7828	0.1258	0.547067
Bdh1	chr16:31422279-31458901	10.6731	11.4553	0.1020	0.513734
4930453N24Rik	chr16:64751750-64771161	18.6233	17.9785	-0.0508	0.706435
Atp5o	chr16:91684397-91931687	45.4362	48.4347	0.0922	0.642052
Npas4	chr19:4984354-4989971	2.1051	1.8019	-0.2244	0.724983
Smc5	chr19:23206440-23273897	17.7740	19.1240	0.1056	0.684899
Gm26792	chr19:46335286-46338538	1.3558	1.6528	0.2858	0.668802
Slk	chr19:47579677-47645246	30.4736	32.0480	0.0727	0.565696
Rrs1	chr1:9545407-9547454	11.5571	10.8314	-0.0936	0.677124
Tram2	chr1:20996295-21079229	1.4928	1.6953	0.1836	0.604956
Nck2	chr1:43445750-43570515	13.9047	13.2579	-0.0687	0.693703
Vps4b	chr1:106764070-106796728	22.2961	23.6248	0.0835	0.604712
B4galt3	chr1:171270327-171276896	5.1946	5.6715	0.1267	0.625034
Exosc2	chr2:31670714-31681350	20.4941	19.5027	-0.0715	0.698667
Gm13620	chr2:60125095-60125819	2.0636	1.3997	-0.5601	0.551777
Sla2	chr2:156872456-156887192	32.4447	34.2435	0.0779	0.448381
Rprd1b	chr2:158028496-158132297	5.2240	5.7602	0.1410	0.677427
Zfp831	chr2:174643533-174710832	22.6613	21.7063	-0.0621	0.805651
Zmat3	chr3:32334795-32365678	1.6568	1.5344	-0.1107	0.385950
Otud7b	chr3:96104526-96161129	10.5072	11.1338	0.0836	0.547838
Caap1	chr4:94500080-94556796	4.7947	4.4480	-0.1083	0.669379
Hk1os	chr10:62340255-62363367	0.6162	0.8783	0.5112	0.492649
Aldh5a1	chr13:24907578-24937661	0.6364	0.8318	0.3863	0.530302
A730081D07Rik	chr13:40956413-41001151	0.2960	0.5235	0.8225	0.626386
C030013D06Rik	chr14:56733656-56734954	1.8843	1.3636	-0.4666	0.667057
Dnph1	chr17:46496788-46499618	5.6432	4.5591	-0.3078	0.756572
Nrp2	chr1:62703284-62818695	0.1001	0.1597	0.6732	0.660478
Gm12097	chr11:30572790-30574454	0.5766	0.3781	-0.6087	0.644972
Gfpt2	chr11:49794177-49838613	0.1257	0.1913	0.6050	0.555940
Pdia2	chr17:26195998-26199087	0.3086	0.4688	0.6034	0.447952
Tysnd1	chr10:61695513-61702773	11.7579	12.8120	0.1239	0.594309
Cnot6	chr11:49671502-49712723	21.6628	23.0662	0.0906	0.661803
Osbpl7	chr11:97050627-97068904	7.4105	6.9971	-0.0828	0.759398
Rab37	chr11:115091430-115162236	19.0118	20.0864	0.0793	0.494339
Trbv16	chr6:41151790-41152225	70.7910	78.7020	0.1528	0.732373
Dusp11	chr6:85942267-85961667	24.7386	24.1598	-0.0342	0.512799
Tulp2	chr7:45486261-45523632	0.5326	0.4057	-0.3929	0.633117
A230056P14Rik	chr7:55962530-55980868	0.6842	0.4752	-0.5258	0.586125
Snora3	chr7:109520119-109520251	26.2097	31.7263	0.2756	0.534548
Gm16982	chr7:141610065-141613747	4.7088	4.2977	-0.1318	0.611361
E030037K01Rik	chr8:47713265-47715021	2.7842	3.3797	0.2796	0.698674
Gm9988	chr8:88138078-88138517	9.2932	7.7828	-0.2559	0.634425
Chd9	chr8:90828834-91054508	14.2770	15.1314	0.0838	0.635143

Rbm7	chr9:48488708-48495330	49.0899	52.1685	0.0878	0.584990
C2cd4b	chr9:67759436-67760929	1.0980	0.7917	-0.4718	0.598633
Gm20509	chr9:73103728-73117920	3.2406	2.1688	-0.5794	0.613898
Zfp251	chr15:76852147-76871435	17.9298	17.2362	-0.0569	0.642798
Kdelr3	chr15:79516407-79527739	2.2016	1.8079	-0.2842	0.662570
Il17rb	chr14:29996140-30008896	4.8144	5.5491	0.2049	0.705591
Atf6b	chr17:34647145-34655074	16.7425	15.9977	-0.0657	0.643404
Tomm6	chr17:47686645-47688386	16.6631	15.2238	-0.1303	0.732041
Cmss1	chr16:57302198-57606825	6.9474	6.1652	-0.1723	0.616158
Hells	chr19:38930914-38971051	14.0891	13.5346	-0.0579	0.741621
0610009E02Rik	chr2:26445695-26459390	11.4542	10.3337	-0.1485	0.784311
Psm14	chr2:61711693-61800376	43.7811	46.4824	0.0864	0.627379
Spata2	chr2:167481132-167492887	5.0729	4.7712	-0.0885	0.553620
Eif2b3	chr4:117019401-117087306	3.9232	3.7057	-0.0823	0.569020
Ston2	chr12:91638541-91788387	0.2082	0.2975	0.5151	0.668644
Tubb2b	chr13:34127007-34130354	1.4348	1.9270	0.4255	0.636600
Rps27	chr3:90212724-90213615	8.9025	11.9990	0.4306	0.619398
Sesn3	chr9:14276300-14326138	52.9670	55.6190	0.0705	0.239885
Mrpl30	chr1:37890476-37898535	26.0390	28.1965	0.1148	0.681426
Dock2	chr11:34226814-34783892	113.7129	110.7889	-0.0376	0.787825
Gm25364	chr11:115601655-115601762	7.8666	4.8115	-0.7093	0.661015
Cfp	chrX:20925453-20931555	2.6536	3.1325	0.2394	0.538478
Fam26f	chr10:34126068-34127972	8.4083	9.4659	0.1709	0.559768
Fam207a	chr10:77486655-77515813	18.8196	20.1699	0.1000	0.583387
Snrpf	chr10:93583028-93589706	17.4808	15.9943	-0.1282	0.682384
Nr2c1	chr10:94148022-94197211	2.6534	2.4177	-0.1342	0.631006
Snrnp25	chr11:32205414-32208984	11.0508	12.3615	0.1617	0.623680
Lrrc75aos2	chr11:62605765-62607748	3.6526	4.4282	0.2778	0.644239
Fam58b	chr11:78750506-78751729	14.9487	16.5164	0.1439	0.613257
Evi2a	chr11:79526559-79530609	9.7949	10.6288	0.1179	0.484165
5033430I15Rik	chr13:45965252-45966500	5.1245	6.1433	0.2616	0.576286
Supt7l	chr5:31514568-31527807	6.5722	6.2580	-0.0707	0.638871
Gak	chr5:108569410-108629739	38.5525	40.5538	0.0730	0.556197
Gm15559	chr5:110770948-110779260	2.7130	2.4188	-0.1656	0.437159
Gtf2ird1	chr5:134357668-134456716	2.9466	3.2951	0.1613	0.654208
Actb	chr5:142903114-142906754	3285.1485	3441.8145	0.0672	0.631889
Gm20426	chr6:90231727-90232788	4.5003	3.0942	-0.5404	0.608534
Atf5	chr7:44812256-44816658	2.0935	1.7618	-0.2489	0.579027
Tfdp1	chr8:13339673-13377702	36.9620	35.1232	-0.0736	0.756826
Ap1g1	chr8:109778553-109861358	21.9131	21.2512	-0.0442	0.564315
Aars	chr8:111033143-111057664	19.1821	18.6764	-0.0385	0.682973
Rps25	chr9:44407713-44410405	32.7138	30.0835	-0.1209	0.760868
Fam35a	chr14:34237040-34310503	8.8845	9.5718	0.1075	0.522679
H2-Ob	chr17:34238902-34245907	13.9041	14.9788	0.1074	0.623112
Twsg1	chr17:65923065-65951187	37.3149	39.6230	0.0866	0.660595
Tango2	chr16:18300824-18348103	3.7460	3.4434	-0.1216	0.784510
Accs2os	chr2:155547039-155556930	3.4580	2.7693	-0.3204	0.608869
mt-Te	chrM:14070-14139	60.3624	73.3212	0.2806	0.614840
Bbs12	chr3:37312553-37321453	6.6728	7.6465	0.1965	0.687773
Marcks1l	chr4:129513580-129515985	18.2354	16.9306	-0.1071	0.743880
Prx	chr7:27499323-27520214	0.3543	0.4766	0.4277	0.675315
Plvap	chr8:71497753-71511769	0.6517	0.4168	-0.6448	0.668785
Gm13771	chr2:91641684-91641922	2.2771	3.4510	0.5998	0.407433
Rras2	chr7:114046784-114117781	27.8211	29.8711	0.1026	0.664113
Wdr11	chr7:129591862-129635738	7.1752	7.6662	0.0955	0.644397
NA	chr15:73095843-73096684	4.9917	4.3168	-0.2096	0.523843
Ggt7	chr2:155490378-155518237	4.5474	4.0179	-0.1786	0.754826
Phactr2	chr10:13207716-13474396	5.8310	6.2575	0.1019	0.663557
Nifk	chr1:118321838-118333822	45.0805	42.6819	-0.0789	0.799736
Gm20538	chr19:44543721-44552831	54.6131	61.7970	0.1783	0.656758
Gm11632	chr11:98084456-98085424	14.5731	12.9030	-0.1756	0.724080
Tmem104	chr11:115187486-115247023	2.2928	2.0020	-0.1957	0.741332
Far1	chr7:113513833-113571511	21.3786	22.5289	0.0756	0.582871
Pcbp3	chr10:76761856-76961887	0.6605	0.9013	0.4485	0.678290
E2f7	chr10:110745438-110787384	0.9125	0.8120	-0.1683	0.646542
Sae1	chr7:16327052-16387797	38.7240	41.6018	0.1034	0.667530
NA	chr9:73008480-73015657	8.1802	8.8396	0.1118	0.373741
Gm15336	chr18:39246246-39302690	1.2175	1.5047	0.3056	0.439327
Slc14a1	chr18:78100090-78142119	14.8606	14.1406	-0.0716	0.764660
Rhd	chr4:134864535-134896172	0.7660	0.5706	-0.4250	0.564050
Cdk3-ps	chr11:116216002-116220287	0.3730	0.5542	0.5713	0.403790

Armcx6	chrX:134748460-134751417	0.5670	1.1273	0.9914	0.464125
Psm2	chr13:14613241-14625671	151.6670	161.2916	0.0888	0.675887
Dvl3	chr16:20516981-20532520	2.9243	2.6574	-0.1381	0.736862
Lrp11	chr10:7589799-7625483	0.7925	0.6578	-0.2689	0.549917
Bsg	chr10:79704490-79711969	49.3725	52.7383	0.0951	0.661814
Mterf2	chr10:85119434-85128027	11.1035	12.3554	0.1541	0.614483
Rnf41	chr10:128411615-128441438	14.3161	13.8019	-0.0528	0.624060
Gm12176	chr11:47541431-47542306	2.0645	1.5657	-0.3990	0.627659
Fam114a2	chr11:57482992-57518617	26.7561	28.7402	0.1032	0.689041
Gm12247	chr11:58097103-58097773	1.0980	0.6930	-0.6639	0.668024
Prr11	chr11:87089152-87108708	1.4849	1.7247	0.2160	0.628559
Ppp1r9b	chr11:94991034-95006899	60.9063	58.6883	-0.0535	0.806512
Atp5g1	chr11:96068851-96075670	1.3003	1.4912	0.1976	0.538569
Gm12356	chr11:98682920-98683415	4.1522	5.4975	0.4049	0.672727
Casc3	chr11:98804904-98833814	15.3009	14.6991	-0.0579	0.712068
BC030867	chr11:102248881-102265187	1.0157	1.2611	0.3122	0.604860
Rps6kl1	chr12:85135595-85151264	0.7230	0.5639	-0.3586	0.558263
Gpr137b-ps	chr13:12619083-12650297	2.1206	1.9006	-0.1580	0.428081
AA987161	chr13:67589442-67609707	15.4205	16.3672	0.0860	0.573814
Rad17	chr13:100617164-100651059	18.1788	19.4486	0.0974	0.592027
A930041C12Rik	chr5:107630249-107633850	2.7922	2.1296	-0.3908	0.561425
Pcgf3	chr5:108461231-108506976	5.2698	5.0405	-0.0642	0.623131
Zfp113	chr5:138139701-138155744	5.9887	5.7073	-0.0694	0.667635
Bri3	chr5:144244436-144446757	2.5360	2.1267	-0.2539	0.703847
Mrps33	chr6:39801803-39810988	2.5995	3.1922	0.2963	0.601008
Tax1bp1	chr6:52713728-52766780	48.5842	50.9190	0.0677	0.534081
Erc1	chr6:119570803-119848150	3.0516	3.3311	0.1264	0.664317
Tmem86b	chr7:4628041-4630482	10.0807	9.1633	-0.1377	0.658258
U2af2	chr7:5062142-5079945	61.9906	59.8880	-0.0498	0.761323
Psmc4	chr7:28041706-28050101	61.8242	59.3681	-0.0585	0.780829
Tarsl2	chr7:65644897-65692091	3.3128	3.7975	0.1970	0.680538
Nkx6-2	chr7:139579376-139582797	1.1871	0.8829	-0.4272	0.686117
Siah1a	chr8:86723939-86746006	9.8396	10.7040	0.1215	0.554257
Tmem208	chr8:105326353-105335219	23.9186	25.7011	0.1037	0.552759
Klhl36	chr8:119862304-119876988	8.2948	7.5674	-0.1324	0.765248
Fanca	chr8:123268299-123318576	2.4733	2.6720	0.1115	0.342523
Egln1	chr8:124908595-124949254	16.7245	17.7919	0.0893	0.512005
Dalrd3	chr9:108569891-108572771	39.4068	41.9168	0.0891	0.566263
Ptp4a3	chr15:73723144-73758766	13.3858	12.7637	-0.0687	0.760572
Sco2	chr15:89371638-89373818	23.4779	21.4717	-0.1289	0.778396
Gmfb	chr14:46808148-46822242	45.3453	47.9197	0.0797	0.645438
Cdadcl1	chr14:59560895-59597836	4.7852	4.2735	-0.1632	0.698580
Gm4944	chr17:22197264-22225614	8.6245	8.1633	-0.0793	0.699350
Gm17382	chr17:26860286-26886175	0.4777	0.3021	-0.6611	0.647231
Trip10	chr17:57249450-57263697	2.3062	1.9314	-0.2559	0.732256
Zfp174	chr16:3847267-3858880	1.3306	1.1912	-0.1597	0.571011
Tbccd1	chr16:22813214-22857569	6.9244	6.4720	-0.0975	0.562573
Boc	chr16:44485044-44558897	1.3236	1.0857	-0.2858	0.795270
Uhmk1	chr1:170193419-170215397	31.2541	32.7971	0.0695	0.546861
Mir1949	chr18:35554491-35554632	17.4084	22.0210	0.3391	0.717700
Commd10	chr18:46958861-47087992	10.9494	9.9811	-0.1336	0.727315
Epc2	chr2:49451485-49551948	25.1278	24.3323	-0.0464	0.700155
Tmx2	chr2:84671315-84679140	8.0788	8.7921	0.1221	0.451687
Mfap1a	chr2:121491910-121506665	6.8119	7.3974	0.1190	0.632896
Dnmt3b	chr2:153649449-153687730	2.7793	2.5712	-0.1123	0.643704
Edn3	chr2:174760618-174784042	0.3183	0.4111	0.3690	0.536910
Supt20	chr3:54692822-54728762	31.3296	30.1380	-0.0559	0.705981
Lrrc71	chr3:87736922-87748625	2.3136	2.1052	-0.1362	0.638234
Fam102b	chr3:108970996-109027607	6.6983	6.3401	-0.0793	0.708249
Slc39a8	chr3:135825278-135888572	1.5233	1.7322	0.1854	0.653712
Zbtb5	chr4:44991241-45012412	6.9294	7.4583	0.1061	0.655332
Rbbp4	chr4:129307099-129335370	26.7046	28.0019	0.0684	0.507455
Dnajc8	chr4:132535549-132553742	62.3447	65.5890	0.0732	0.521403
Pqlc2	chr4:139294028-139310708	1.4926	1.7442	0.2247	0.615144
Dnaaf3	chr7:4522932-4532453	0.5378	0.7492	0.4783	0.541195
Gm15133	chr7:104315018-104324838	4.7618	3.6683	-0.3764	0.695803
Impg1	chr9:80313329-80465438	0.2144	0.1265	-0.7610	0.668457
Gm26158	chr19:60775520-60775639	8.6130	5.2692	-0.7089	0.679314
Gm22358	chr13:24811446-24811568	7.0797	4.4208	-0.6794	0.675430
Hsf4	chr8:105269800-105275845	0.4197	0.6498	0.6305	0.595397
Sfi1	chr11:3131849-3193463	24.5375	26.0748	0.0877	0.698447

Eif4enif1	chr11:3202391-3244588	11.7888	12.5633	0.0918	0.616257
Scpep1os	chr11:88905927-88936061	1.3375	0.9327	-0.5201	0.577128
2610035D17Rik	chr11:113043894-113201838	9.2396	8.6694	-0.0919	0.588377
Prps1l1	chr12:34984760-34986436	2.1120	2.5451	0.2691	0.644674
Ggps1	chr13:14052448-14063401	34.4383	32.8803	-0.0668	0.766015
3110070M22Rik	chr13:119487260-119488383	0.8829	0.5803	-0.6054	0.583604
Wfs1	chr5:36966103-36988982	1.1778	1.0153	-0.2143	0.582506
Pebp1	chr5:117282650-117287625	12.9182	14.3400	0.1506	0.700750
Mrpl19	chr6:81957850-81965958	8.5633	9.2122	0.1054	0.652674
Ppp1r12c	chr7:4481519-4501680	30.1686	29.2387	-0.0452	0.749871
Ercc1	chr7:19344777-19356524	9.9485	10.7045	0.1057	0.494241
Clec11a	chr7:44303769-44306959	1.6398	1.3300	-0.3020	0.670356
Mki67	chr7:135689787-135716379	56.6173	59.6399	0.0750	0.676699
Snacp2	chr8:4253101-4256219	8.6154	9.6176	0.1588	0.614980
Letm2	chr8:25578491-25597487	5.8971	5.3768	-0.1333	0.716825
Gm6180	chr8:42246910-42247411	19.8139	18.0668	-0.1332	0.572911
NA	chr8:95323013-95325263	3.6186	4.1708	0.2049	0.688007
Smco4	chr9:15505486-15545260	16.5859	18.4859	0.1565	0.688722
Snord16a	chr9:64175422-64175521	10.8215	15.7101	0.5378	0.678115
Usp3	chr9:66514636-66593142	29.8373	29.0169	-0.4002	0.744702
Timm17b	chrX:7899356-7908351	11.9554	13.0605	0.1275	0.678678
Spin4	chrX:95022506-95026682	0.7284	0.5979	-0.2848	0.650910
Taf9b	chrX:106206882-106221158	11.4814	10.9417	-0.0695	0.556925
Zfp623	chr15:75940951-75949377	8.9827	8.4572	-0.0870	0.636680
Ggnbp1	chr17:26973216-27036378	13.4963	13.1087	-0.0420	0.549029
Nfkbil1	chr17:35220174-35235792	11.5176	10.6165	-0.1175	0.748100
Snord53	chr17:71640878-71640956	23.0600	18.6761	-0.3042	0.485058
Socs1	chr16:10783807-10785536	43.6586	46.8699	0.1024	0.661822
Dgcr14	chr16:17900710-17911348	15.8210	15.0983	-0.0675	0.698746
Sec22a	chr16:35311130-35363918	6.1064	5.7513	-0.0864	0.692621
Parp14	chr16:35832873-35871544	52.8497	55.6394	0.0742	0.660762
Btg3	chr16:78359859-78377192	1.2012	0.9434	-0.3485	0.563960
Ppp6r3	chr19:3454932-3575749	65.4245	64.0026	-0.0317	0.650655
Sipa1	chr19:5651184-5663707	58.4367	61.7961	0.0806	0.665832
Frat1	chr19:41830167-41830809	4.7636	5.9367	0.3176	0.681309
Sfxn3	chr19:45047575-45056383	10.9332	10.4096	-0.0708	0.547355
Phf3	chr1:30802341-30863256	33.9478	35.8230	0.0776	0.656500
Nabp1	chr1:51469497-51478399	57.3580	55.1014	-0.0579	0.797924
Cul3	chr1:80264922-80340480	58.6484	61.7157	0.0735	0.617409
Pcdhgc4	chr18:37674334-37841873	1.0440	0.9686	-0.1081	0.766597
Fam210a	chr18:68260186-68300333	8.6717	8.3781	-0.0497	0.684864
Snap23	chr2:120567670-120601255	9.5680	10.3837	0.1180	0.684527
Gm14253	chr2:156346803-156347997	1.1779	1.6035	0.4450	0.549872
Fam63a	chr3:95281344-95296166	3.9913	3.7673	-0.0833	0.616878
Tlr4	chr4:66827583-66930284	0.5512	0.7116	0.3686	0.596721
4921514A10Rik	chr4:141115659-141118087	9.3092	8.6206	-0.1109	0.727588
Tnfrsf9	chr4:150914561-150946102	105.8715	111.4640	0.0743	0.654599
Zcchc14	chr8:121598702-121652901	0.1352	0.1871	0.4682	0.421511
Gm2237	chr14:19563800-19585135	0.8591	1.1571	0.4296	0.543061
Snord69	chr14:31014286-31014366	8.6885	13.0595	0.5879	0.614040
BC034090	chr1:155212473-155232724	0.5857	0.4312	-0.4415	0.713551
Gm13572	chr2:60037140-60038837	0.7641	1.3301	0.7997	0.542449
Tbkbp1	chr11:97136170-97151495	0.1816	0.2726	0.5856	0.619167
2610206C17Rik	chr7:84689639-84776549	0.4125	0.5977	0.5349	0.453240
Rsph9	chr17:46122034-46144216	0.3411	0.5462	0.6790	0.606809
A530032D15Rik	chr1:85083068-85109853	0.5182	0.3492	-0.5695	0.638659
Tead3	chr17:28331670-28350805	0.0999	0.1560	0.6432	0.500303
Gm4262	chr16:11008897-11015186	0.5025	0.3531	-0.5091	0.633039
Vopp1	chr6:57727806-57825154	5.3263	5.1157	-0.0582	0.616365
Zgpat	chr2:181364927-181383628	57.2303	55.7292	-0.0383	0.780669
Zfp207	chr11:80383278-80405733	80.5975	78.8645	-0.0314	0.709025
Trmt5	chr12:73280409-73286711	12.8256	14.3514	0.1622	0.696360
Gm20900	chr13:120304193-120304655	4.0706	3.0834	-0.4007	0.648969
lqce	chr5:140661826-140702378	3.5277	3.3063	-0.0935	0.795365
Tspan4	chr7:141475239-141493427	1.7104	2.0203	0.2403	0.533911
Oraov1	chr7:144915099-144930748	6.0987	5.7748	-0.0787	0.664502
lds	chrX:70343068-70365084	4.0433	3.7758	-0.0988	0.665918
Dntt	chr19:41029274-41059523	1.4860	1.2638	-0.2337	0.550230
Rps6ka4	chr19:6829084-6840601	14.7723	14.0581	-0.0715	0.744604
Nkd2	chr13:73818533-73847631	0.3402	0.4648	0.4501	0.616699
Snora33	chr10:23785346-23785475	32.0445	25.0433	-0.3557	0.688542

Susd2	chr10:75636618-75644008	3.4964	3.1626	-0.1447	0.721001
Mir3057	chr10:81271596-81271687	43.5948	37.1913	-0.2292	0.632721
Galnt4	chr10:99108134-99113245	7.3523	7.9863	0.1193	0.698031
Zkscan17	chr11:59485519-59526751	9.8397	10.6052	0.1081	0.662770
Snord42b	chr11:78183055-78183124	16.7084	12.7896	-0.3856	0.488680
Poldip2	chr11:78512192-78522736	9.0601	9.7972	0.1128	0.648955
Heatr6	chr11:83753695-83783754	7.9985	8.4959	0.0870	0.500521
Caskin2	chr11:115799182-115813639	1.0526	1.2212	0.2144	0.635733
NA	chr12:34984772-34986390	2.1904	2.6311	0.2645	0.652813
E330009J07Rik	chr6:40401374-40436135	10.5910	10.1202	-0.0656	0.766607
Trnt1	chr6:106769119-106782474	34.9279	33.9315	-0.0418	0.706847
Dera	chr6:137754541-137837891	22.7751	24.3872	0.0987	0.550402
Megf8	chr7:25317163-25365917	0.2080	0.1636	-0.3458	0.617198
Capn5	chr7:98121558-98178274	1.1625	1.3657	0.2324	0.681951
B130055M24Rik	chr7:127448635-127460360	13.4501	14.4610	0.1046	0.400106
5830432E09Rik	chr7:135635930-135652314	2.8487	2.5762	-0.1451	0.718621
Ifitm2	chr7:140954838-140955961	6.2311	7.5560	0.2781	0.726288
Shcbp1	chr8:4735979-4779534	10.2703	9.4838	-0.1149	0.749416
Gm23455	chr9:15316488-15316588	486.2197	462.6530	-0.0717	0.748880
Dock3	chr9:106892833-107231909	0.1155	0.1447	0.3250	0.562621
Mid1ip1	chrX:10715012-10719690	9.9765	10.8443	0.1203	0.585927
Xlr4e-ps	chrX:74944962-74952044	3.8453	3.2045	-0.2630	0.476053
2810403D21Rik	chrX:108834477-108974906	1.0465	1.0465	0.1911	0.668787
Acsl4	chrX:142317992-142390535	17.5083	16.9406	-0.0476	0.687726
Tom22	chr15:79670860-79672862	78.8449	83.9903	0.0912	0.668779
Prpf40b	chr15:99259086-99317018	2.6717	2.4535	-0.1229	0.710595
March2	chr17:33685691-33718670	12.2498	13.0304	0.0891	0.617269
Kank3	chr17:33810519-33822918	2.6868	2.4511	-0.1324	0.300004
Sf3b2	chr19:5273922-5295455	131.6309	129.1437	-0.0275	0.691323
Rfk	chr19:17394042-17401349	24.4323	26.0264	0.0912	0.619405
Smarca2	chr19:26605114-26778321	14.1955	13.6944	-0.0518	0.780988
Ndufb8	chr19:44548571-44555440	20.1874	21.6381	0.1001	0.678195
Gm10197	chr19:53371565-53371766	12.7593	15.3090	0.2628	0.514011
Chpf	chr1:75474568-75479471	9.8918	10.6617	0.1081	0.617772
Sh3bp4	chr1:89070414-89155068	0.2214	0.3044	0.4593	0.544611
NA	chr1:91928784-91931176	5.7492	5.1826	-0.1497	0.753553
Dsel	chr1:111858701-111864909	3.5116	3.2708	-0.1025	0.712673
Arhgap12	chr18:6024426-6136098	7.5171	7.9909	0.0882	0.528464
Gm8731	chr18:60778982-60779394	5.0645	3.7894	-0.4185	0.725635
Gm13991	chr2:116527842-116528490	1.1313	0.7513	-0.5906	0.501552
Kiz	chr2:146855863-146970097	11.4137	12.3238	0.1107	0.582653
Gm11463	chr2:165976756-165985924	0.7539	1.1052	0.5518	0.601100
Dcst1	chr3:89350218-89365253	1.4111	1.1950	-0.2398	0.755835
Rhoc	chr3:104789010-104794459	5.9074	6.6653	0.1742	0.588038
Sass6	chr3:116595007-116630984	3.2367	3.6498	0.1733	0.669706
Akirin2	chr4:34550936-34566908	26.4947	28.2261	0.0913	0.435329
Test2	chr4:116720947-116805956	9.0862	8.6125	-0.0772	0.732421
Paqr7	chr4:134496696-134510235	7.8330	8.4206	0.1044	0.610119
Cyp2t4	chr7:27153713-27158668	1.0951	1.4059	0.3604	0.555985
4933417D19Rik	chr8:123235090-123242359	1.7723	2.3608	0.4136	0.645980
Gm15518	chr16:49758575-49798870	0.9806	0.7449	-0.3966	0.645021
Pld3	chr7:27531999-27553218	29.1298	27.7435	-0.0703	0.805317
4931406C07Rik	chr9:15283336-15306448	1.3359	1.6129	0.2718	0.709380
4933412A08Rik	chr19:60226333-60227678	1.6294	1.3302	-0.2927	0.607826
2310035C23Rik	chr1:105663860-105755131	25.5370	24.6955	-0.0483	0.764340
Sec16b	chr1:157506727-157568425	0.5514	0.4604	-0.2600	0.613578
Chchd7	chr4:3938887-3951046	3.8751	3.6093	-0.1025	0.641429
Stox1	chr10:62659042-62726128	0.6994	0.9150	0.3876	0.693930
Gm10499	chr17:36141757-36145923	0.6155	0.8143	0.4037	0.555622
Rsp10b	chr5:143933034-143985719	1.2388	1.0495	-0.2393	0.671820
Ska1	chr18:74195298-74207818	2.4332	2.7374	0.1699	0.251695
4933427D14Rik	chr11:72153928-72207459	8.8606	8.4628	-0.0663	0.742367
Cfdp1	chr8:111768472-111854310	70.4380	75.7562	0.1050	0.732246
Tmem26	chr10:68723745-68782654	0.1165	0.1912	0.7141	0.647802
Nabp2	chr10:128401394-128411492	10.6998	11.6565	0.1236	0.655038
4930403D09Rik	chr11:34299706-34308113	13.4976	12.1171	-0.1557	0.721815
Gm12289	chr11:64012614-64015224	0.6826	0.5010	-0.4461	0.619541
Cdc6	chr11:98907800-98923940	6.3898	6.0853	-0.0704	0.607520
Hexim2	chr11:103132428-103139876	2.2173	2.5836	0.2206	0.645450
Churc1	chr12:76765537-76783180	6.3847	6.8926	0.1104	0.665004
Akt1	chr12:112653820-112674884	40.6904	39.5868	-0.0397	0.734990

Mast4	chr13:102732485-103334497	0.9332	0.8457	-0.1420	0.801192
Acad12	chr5:121598283-121618938	0.2815	0.2069	-0.4444	0.652425
Cdk8	chr5:146231229-146302874	8.6865	9.3994	0.1138	0.674943
Gm16039	chr6:8259287-8597480	10.8982	11.5753	0.0870	0.678283
Trbv2	chr6:41047555-41047995	87.3677	82.2201	-0.0876	0.715546
Zfp398	chr6:47835660-47868257	4.9957	5.3301	0.0935	0.294297
Bloc1s3	chr7:19505813-19508331	7.9296	7.3382	-0.1118	0.679628
C230062116Rik	chr7:29953620-29955992	1.0903	0.8967	-0.2820	0.618019
Gm22133	chr7:45458088-45458197	468.6328	507.6361	0.1153	0.734483
Hddc3	chr7:80343136-80346097	4.1009	3.5501	-0.2081	0.537059
Neu3	chr7:99811438-99828417	16.8814	16.1531	-0.0636	0.737193
Tbc1d10b	chr7:127197464-127208468	18.8399	19.9986	0.0861	0.664828
Zfp747	chr7:127372563-127376050	5.9849	5.5862	-0.0995	0.635710
Nap114	chr7:143513578-143549090	91.9542	96.1335	0.0641	0.391999
Msmo1	chr8:64718138-64733792	7.7642	8.3306	0.1016	0.656759
Tma16	chr8:66474329-66486530	2.8421	3.2992	0.2151	0.736734
Gmip	chr8:69808678-69821870	26.1676	25.4184	-0.0419	0.750229
Gm26532	chr8:84208919-84209609	12.5914	11.3585	-0.1487	0.638101
Icam5	chr9:21032037-21039036	2.0023	2.2609	0.1752	0.320245
Sdhd	chr9:50596337-50603849	58.6418	61.8017	0.0757	0.459218
Gk5	chr9:96119361-96184627	0.9138	0.8185	-0.1589	0.492573
Mrpl3	chr9:105053238-105077466	15.0509	16.2462	0.1103	0.712069
Zkscan7	chr9:122888470-122896124	6.7758	7.4904	0.1447	0.630458
Mid2	chrX:140664598-140767715	0.1694	0.2265	0.4193	0.667975
Chadl	chr15:81678295-81697287	2.6911	2.4625	-0.1281	0.730415
Fmn13	chr15:99317224-99370482	14.6096	14.0980	-0.0514	0.701895
Cbx5	chr15:103191543-103239816	27.5637	28.9149	0.0690	0.600151
Dleu2	chr14:61602838-61682373	10.0982	10.7558	0.0910	0.703704
Dok2	chr14:70766035-70778495	46.3073	48.7944	0.0755	0.609095
Csnk2b	chr17:35116195-35122053	45.0772	47.8494	0.0861	0.654156
Slc25a1	chr16:17925210-17928219	14.4200	15.5555	0.1094	0.625826
Dgkg	chr16:22468460-22657221	0.4867	0.3738	-0.3808	0.654214
Gm15953	chr16:38512564-38514296	1.2314	1.5230	0.3067	0.643178
Filip1l	chr16:57353092-57573126	6.9614	6.6133	-0.0740	0.734393
Fosl1	chr19:5447702-5455945	1.4075	1.1602	-0.2788	0.650952
Uap1	chr1:170141937-170174957	9.2723	9.8897	0.0930	0.454463
Adrb2	chr18:62177816-62179959	8.8186	8.1669	-0.1108	0.717543
Txn1	chr18:63662800-63692359	26.6457	28.4382	0.0939	0.658445
Vps39	chr2:120316460-120353137	12.6003	13.4892	0.0983	0.696040
Atp5f1	chr3:105942697-105960099	37.1834	39.2956	0.0797	0.666025
Sh3glb1	chr3:144688843-144720323	32.1324	33.8191	0.0738	0.561053
Arhgef39	chr4:43496141-43499695	2.5940	2.3256	-0.1576	0.647652
Lrrc41	chr4:116075268-116097043	11.7320	12.4625	0.0871	0.441287
Zbtb8a	chr4:129353627-129378116	2.7274	2.4337	-0.1644	0.586904
Z610002J02Rik	chr4:155249801-155256687	20.0541	18.9313	-0.0831	0.750752
B3galt6	chr4:155989465-155992678	5.1880	5.6884	0.1328	0.560764
Myo1a	chr10:127705169-127720887	0.2208	0.1300	-0.7648	0.676580
1810019N24Rik	chr7:12948591-12961768	0.5116	0.7723	0.5940	0.536874
Traj44	chr14:54173689-54173750	20.8102	15.2544	-0.4481	0.591626
Fam221b	chr4:43659621-43669145	0.7913	0.6115	-0.3720	0.752899
Gm12481	chr4:43663948-43664408	7.5905	5.8651	-0.3720	0.752899
Ptpn12	chr5:20986644-21055911	6.9801	7.5038	0.1044	0.433732
NA	chr5:114812792-114813945	2.9142	3.8116	0.3873	0.734139
Mcm7	chr5:138164582-138172422	30.0071	29.2402	-0.0374	0.677805
Mllt4	chr17:13760538-13906150	0.8442	0.7484	-0.1736	0.769521
Kifc2	chr15:76660640-76668196	3.4893	3.9181	0.1672	0.640718
Npat	chr9:53537046-53574342	15.7708	15.2265	-0.0507	0.731305
Ogfod3	chr11:121177590-121204711	2.0933	1.7277	-0.2770	0.616056
Denr	chr5:123907174-123928832	16.4065	17.7301	0.1119	0.711506
Ints4	chr7:97480955-97541397	23.5946	24.9285	0.0793	0.517159
Moap1	chr12:102742229-102743661	7.4371	6.8047	-0.1282	0.605156
Gnb5	chr9:75311394-75344964	1.2507	1.6125	0.3665	0.610731
Ankrd46	chr15:36477667-36496791	22.0141	21.1630	-0.0569	0.714661
Gm16796	chr2:170499356-170511927	0.1460	0.2190	0.5844	0.541572
Serinc1	chr10:57515773-57532530	33.8505	35.5380	0.0702	0.607341
Tmem88	chr11:69396518-69398234	7.6339	8.5604	0.1653	0.660940
Sap30bpos	chr11:115946449-115952105	0.7979	0.9981	0.3229	0.686144
Baz1a	chr12:54892988-55014348	38.5290	40.5783	0.0748	0.676067
Cast	chr13:74694285-74807921	97.2062	101.5101	0.0625	0.484798
Brdt	chr5:107331158-107387058	0.4452	0.3750	-0.2477	0.378084
Trpv6	chr6:41620620-41636405	1.9110	1.6460	-0.2153	0.713352

Gm26656	chr6:128843785-128846959	0.7574	0.6144	-0.3019	0.631606
Tgfb1	chr7:25687001-25705077	19.9539	18.7496	-0.0898	0.816832
Tube5	chr7:55794147-55831447	15.9979	15.2891	-0.0654	0.773745
Ubf1	chr7:122067174-122082194	8.1234	7.8414	-0.0510	0.713177
Mri1	chr8:84249905-84257326	15.1623	14.4033	-0.0741	0.773238
A230103J11Rik	chr8:85053159-85060460	8.2494	9.0069	0.1267	0.607951
Zhx2	chr15:57694664-57839833	12.3742	11.7490	-0.0748	0.798413
Rab11fp2	chr19:59902883-59943654	8.2076	8.7102	0.0857	0.415158
Inpp5d	chr1:87620311-87720507	35.5151	37.2765	0.0698	0.620009
Ttf1	chr2:29060261-29087656	13.7566	13.3429	-0.0441	0.649869
Gm26079	chr5:110692048-110692181	7.1031	10.0915	0.5066	0.672536
Gm6104	chr1:4879201-4880669	0.5383	0.3082	-0.8046	0.662841
Ybey	chr10:76459568-76469114	1.9900	2.3095	0.2148	0.689470
Uhrf1bp1l	chr10:89744990-89819869	15.1766	15.9370	0.0705	0.415352
4933426K07Rik	chr11:57655414-57657826	1.1943	0.9668	-0.3049	0.544100
Gm22068	chr11:87426715-87426879	13.8697	10.7664	-0.3654	0.702343
Gpbp1	chr13:111425679-111490111	61.3762	64.9048	0.0806	0.706693
Dcun1d4	chr5:73481001-73560794	4.4878	4.1660	-0.1073	0.801236
Ric8	chr7:140856956-140863730	24.3035	23.6237	-0.0409	0.727536
Fam120b	chr17:15396245-15433580	20.7505	21.8627	0.0753	0.535664
Gm24814	chr16:8738320-8738390	22.7008	28.5219	0.3293	0.542329
Tbc1d12	chr19:38836578-38919923	2.1446	2.3872	0.1546	0.501394
A430110L20Rik	chr1:181225985-181228498	1.9293	1.6636	-0.2138	0.711170
Astl	chr2:127338638-127357651	1.0255	0.8728	-0.2325	0.391806
Pars2	chr4:106651068-106655282	6.3973	5.9839	-0.0964	0.679279
Htr2b	chr1:86099025-86111970	2.0560	1.6076	-0.3549	0.773835
Gm12165	chr11:46036439-46036781	2.3103	1.4664	-0.6558	0.700998
Gm26020	chrX:105819882-105820065	5.7942	4.0361	-0.5216	0.709323
Sar1a	chr10:61680309-61693295	60.9454	59.4507	-0.0358	0.723566
1810043G02Rik	chr10:77978523-77986905	2.0821	1.9278	-0.1111	0.641541
E130317F20Rik	chr10:79851380-79854956	2.4665	2.2453	-0.1356	0.627716
Csnk1g2	chr10:80622779-80640771	71.1113	75.1508	0.0797	0.704796
Mdm1	chr10:118141786-118168997	4.8176	5.2805	0.1324	0.619614
Bloc1s1	chr10:128917881-128924035	21.1796	19.8906	-0.0906	0.767124
Myo1g	chr11:6506547-6520965	53.1072	55.5249	0.0642	0.613033
Rps27a	chr11:29545845-29548109	9.9717	9.3636	-0.0908	0.672024
Cpeb4	chr11:31872210-31935634	9.9385	9.5171	-0.0625	0.750708
Rars	chr11:35808380-35834506	32.0119	33.8339	0.0799	0.634688
Snord49a	chr11:62603449-62603521	36.6995	44.4592	0.2767	0.604626
Ormdl3	chr11:98581255-98587368	18.1293	19.4489	0.1014	0.673843
Nt5c3b	chr11:100422320-100441808	22.2345	21.5533	-0.0449	0.691781
Dcaf7	chr11:106036871-106059324	36.7237	38.2750	0.0597	0.356322
Sptb	chr12:76580487-76710547	0.8586	0.7403	-0.2139	0.782931
Prox2os	chr12:85086373-85088228	1.9655	1.6122	-0.2859	0.669012
Gpr65	chr12:98268634-98276624	20.5775	21.9802	0.0951	0.610881
Rian	chr12:109603939-109661716	0.3244	0.2691	-0.2698	0.774089
Gm15440	chr13:51685528-51701041	7.2888	6.3660	-0.1953	0.804559
F2rl2	chr13:95696852-95702739	1.8985	2.2748	0.2609	0.720695
Ak6	chr13:100651342-100666413	18.0543	19.9161	0.1416	0.668507
Gm22887	chr5:22534736-22534843	11.5655	8.3658	-0.4673	0.643095
Ugdh	chr5:65413201-65435946	7.0391	6.7228	-0.0663	0.741977
Ccdc18	chr5:108132913-108232947	0.9545	1.1991	0.3291	0.589831
Hps4	chr5:112343082-112378414	6.3488	6.8019	0.0995	0.345761
Eif4h	chr5:134619879-134639348	142.4639	139.0912	-0.0346	0.789840
Fry	chr5:150259929-150497752	4.3466	4.1388	-0.0707	0.770173
Wasl	chr6:24613804-24665009	5.7900	6.3388	0.1307	0.721876
Trbv17	chr6:41163091-41163551	31.3351	28.5564	-0.1340	0.705992
Nod1	chr6:54923941-54972612	13.5404	12.9478	-0.0646	0.768802
Sec61a1	chr6:88503600-88518905	40.7315	42.6094	0.0650	0.579369
Creld1	chr6:113483296-113493338	2.2220	2.0003	-0.1516	0.730550
Ddx47	chr6:135011611-135023776	18.1590	17.5384	-0.0502	0.767472
Gm15706	chr6:145250528-145251849	4.8615	4.2918	-0.1798	0.396601
Trappc6a	chr7:19508669-19516145	14.6103	16.1590	0.1454	0.717219
Gm26890	chr7:19597292-19602294	1.8913	1.6499	-0.1970	0.750355
1600014C10Rik	chr7:38183216-38197568	25.5510	26.7777	0.0677	0.287251
Rpl14-ps1	chr7:45324940-45325651	118.9593	103.5649	-0.1999	0.769197
Ruvbl2	chr7:45421851-45438096	25.7130	24.8226	-0.0508	0.760933
E030018B13Rik	chr7:63916856-63920539	3.8794	3.2347	-0.2622	0.758372
Gm21974	chr7:127886226-127895454	3.0190	2.6254	-0.2016	0.699195
Ap2a2	chr7:141562179-141633011	23.0698	24.1994	0.0690	0.471409
Xab2	chr8:3608420-3621316	29.5238	28.7290	-0.0394	0.759847

Scoc	chr8:83434492-83458391	1.5932	1.3752	-0.2123	0.577163
Tppp3	chr8:105467492-105471526	1.4561	1.1228	-0.3751	0.735335
Sntb2	chr8:106935749-107014192	7.1695	7.7386	0.1102	0.686579
Wwp2	chr8:107436397-107558594	34.3637	33.4328	-0.0396	0.764529
Zfp612	chr8:110079763-110090181	0.7730	0.5963	-0.3743	0.693813
Gm26397	chr8:126944846-126944980	51.4008	58.8635	0.1956	0.703432
Zfp317	chr9:19641223-19648048	32.6051	34.5387	0.0831	0.571171
Ppp2r1b	chr9:50845300-50894229	15.3973	14.9689	-0.0407	0.631326
Nrg4	chr9:55220221-55326844	3.6585	3.4296	-0.0932	0.714138
Sema7a	chr9:57940112-57962864	4.1828	3.8669	-0.1133	0.692740
M5C100018Rik	chr9:67758712-67760208	0.7993	0.5856	-0.4489	0.623868
Uxt	chrX:20941721-20962017	4.4305	3.8900	-0.1877	0.755981
Gm5124	chrX:21360864-21364622	0.7634	0.9394	0.2993	0.612424
Akap17b	chrX:36608313-36645395	1.9808	1.8299	-0.1143	0.584157
Cstf2	chrX:134059186-134086819	13.1784	13.8138	0.0679	0.435434
Gm15239	chrX:167361454-167364421	0.7213	1.1864	0.7180	0.700812
Slc25a32	chr15:39094190-39112716	13.7479	13.0367	-0.0766	0.747111
Top1mt	chr15:75657034-75678800	7.0731	7.7794	0.1373	0.596089
Chchd1	chr14:20703026-20704417	50.3112	55.4101	0.1393	0.750094
Pde12	chr14:26659957-26669883	9.2878	9.8256	0.0812	0.599582
Gnpnat1	chr14:45376333-45388802	7.3982	8.2094	0.1501	0.687814
Apex1	chr14:50924967-50927139	49.3397	47.0493	-0.0686	0.799536
Trav14-3	chr14:53763082-53765043	3.4325	2.9634	-0.2120	0.449682
Xpo4	chr14:57581001-57665430	14.2576	13.8016	-0.0469	0.747893
Mttr9	chr14:63523615-63543953	15.2163	16.2084	0.0911	0.482926
4930480K23Rik	chr14:69732783-69767113	1.6229	1.8455	0.1854	0.593167
Nudt18	chr14:70577846-70582571	2.4286	2.7020	0.1539	0.627374
Abcc4	chr14:118482691-118706219	13.4042	14.1748	0.0806	0.605337
Gm23833	chr17:12770630-12770882	3.1872	4.5936	0.5273	0.660368
Axin1	chr17:26138687-26195811	28.9898	27.9543	-0.0525	0.789267
Abcc10	chr17:46303220-46328352	1.9387	1.7949	-0.1112	0.680933
Olfr173	chr16:58796778-58797942	0.3989	0.5897	0.5639	0.509453
Tbc1d10c	chr19:4184357-4191047	195.7489	205.1614	0.0678	0.627949
Gm14966	chr19:6355521-6363759	4.8687	4.2178	-0.2070	0.684368
Gng3	chr19:8836928-8839246	2.9179	2.5821	-0.1764	0.634146
Abhd17b	chr19:21653308-21685637	13.2753	14.4999	0.1273	0.710278
Gpam	chr19:55069733-55099451	7.1773	6.7671	-0.0849	0.747924
Prdx3	chr19:60864050-60874556	56.6684	54.3394	-0.0605	0.800144
Gm15832	chr1:39547569-39552002	9.0179	8.4752	-0.0895	0.617222
Inpp1	chr1:52789412-52817688	28.6638	30.2007	0.0753	0.421138
Cflar	chr1:58711507-58758884	25.4885	24.9624	-0.0301	0.670868
Fam117b	chr1:59913005-59985346	16.6910	17.5366	0.0713	0.474239
Glb1l	chr1:75198242-75210778	4.7587	5.1450	0.1126	0.623809
Nucks1	chr1:131910457-131936321	63.7941	66.9032	0.0687	0.657497
Timm17a	chr1:135301531-135313778	15.8162	17.2209	0.1228	0.669180
Zbtb41	chr1:139422382-139453005	7.9073	8.3929	0.0860	0.600271
Acbd3	chr1:180726042-180754203	20.6114	19.9161	-0.0495	0.685582
Angel2	chr1:190925111-190946962	20.3058	19.8063	-0.0359	0.611918
Dtl	chr1:191537364-191575534	8.8744	8.3368	-0.0901	0.787122
Mpp7	chr18:7347961-7626863	3.7743	3.4804	-0.1170	0.733116
Slc25a46	chr18:31580167-31609902	18.8451	19.8052	0.0717	0.404001
Wdr55	chr18:36760238-36763708	37.3322	35.8704	-0.0576	0.719847
Hdac3	chr18:37935843-37954988	23.9405	25.1285	0.0699	0.412478
1700086O06Rik	chr18:38238404-38250565	1.9154	2.2114	0.2073	0.418802
Csnk1a1	chr18:61555273-61590061	54.6524	56.8235	0.0562	0.408798
Gm16146	chr18:84858635-84859547	6.2169	5.1720	-0.2655	0.680161
Optn	chr2:5020641-5064051	0.7845	0.9730	0.3106	0.698994
Gm13340	chr2:22588102-22589647	1.9084	2.2410	0.2318	0.391320
Ptges2	chr2:32395895-32402739	6.8360	7.8306	0.1960	0.763324
Cybrd1	chr2:71117922-71142926	1.0017	0.8616	-0.2174	0.742304
AI847159	chr2:129158665-129180667	1.0511	1.3598	0.3714	0.693475
Gm14276	chr2:156994234-156994891	4.3795	3.5947	-0.2849	0.744722
Tcea2	chr2:181680309-181688071	9.4887	10.4666	0.1415	0.706608
Msto1	chr3:88905106-88913999	12.1001	11.6497	-0.0547	0.747993
Csde1	chr3:103020545-103058189	122.5724	129.0200	0.0740	0.704620
Tox	chr4:6686352-6991557	12.5399	12.1328	-0.0476	0.736782
Zfp292	chr4:34803112-34882960	43.3103	42.1529	-0.0391	0.801645
Trmt10b	chr4:45297126-45316131	5.3245	6.0444	0.1830	0.693620
Yipf1	chr4:107314362-107359823	7.6133	7.3066	-0.0593	0.745018
NA	chr4:116033906-116053380	4.0063	4.4797	0.1611	0.712737
Ncdn	chr4:126743749-126753438	13.8335	13.1662	-0.0713	0.785876

Zmym4	chr4:126861938-126968135	12.8152	13.4870	0.0737	0.573489
Aunip	chr4:134510998-134523927	2.2540	2.6810	0.2503	0.509817
Necap2	chr4:141066511-141078357	24.1946	25.5097	0.0764	0.499029
Fv1	chr4:147868978-147870358	9.8282	9.1545	-0.1024	0.602641
Cdk11b	chr4:155624853-155649938	20.6228	19.9365	-0.0488	0.733963
Tas1r3	chr4:155859267-155863362	2.0966	2.3923	0.1904	0.669950
Gm12061	chr11:23894559-23895488	6.7382	5.5061	-0.2913	0.734815
Rhbdf1	chr11:32209584-32222300	0.2130	0.2823	0.4062	0.509313
Afp	chr5:90490713-90508907	0.9139	1.2612	0.4646	0.712210
Gm26745	chr5:123047372-123230871	0.5950	0.8206	0.4638	0.622770
493340618Rik	chr7:114315478-114415161	0.3049	0.4715	0.6289	0.576875
Ctxn1	chr8:4257647-4259274	0.7485	0.5294	-0.4996	0.629916
Gm26853	chr8:19789797-19798548	0.2697	0.3666	0.4430	0.522805
Zfp964	chr8:69659262-69664170	0.9794	1.2635	0.3674	0.721879
Gm5620	chr9:91097147-91098500	1.3095	1.7036	0.3795	0.702311
Gm14586	chrX:52772341-52772749	1.7056	2.4623	0.5297	0.626736
Ribc1	chrX:152004581-152016295	0.7512	1.0821	0.5266	0.592067
Trav9-1	chr14:53488044-53488566	1.7621	1.1436	-0.6237	0.553476
1700001G11Rik	chr14:66295333-66297129	0.5307	0.7326	0.4650	0.426530
Gpr1	chr1:63182690-63214543	0.2422	0.3864	0.6737	0.565101
NA	chr1:137932040-137933296	1.8532	1.4302	-0.3739	0.678575
Gm13778	chr2:91044091-91053933	1.3782	0.9767	-0.4968	0.601949
mt-Tl2	chrM:11670-11741	10.2254	15.4258	0.5932	0.654581
Ppm1n	chr7:19276806-19280049	0.6168	0.4145	-0.5733	0.703612
Adamts8	chr9:30942561-30963838	0.2248	0.1617	-0.4752	0.682635
Traj46	chr14:54172335-54172398	22.9200	15.5051	-0.5639	0.736116
Vcam1	chr3:116110019-116129688	0.5774	0.4055	-0.5099	0.745592
Plp2	chrX:7667940-7671390	10.1398	9.3708	-0.1138	0.710492
Sh3bgrl2	chr9:83548337-83600292	1.5339	1.7776	0.2127	0.747765
Lig3	chr11:82781107-82804274	14.9812	14.5209	-0.0450	0.772636
Gm16235	chr10:88444235-88449887	2.6266	3.5121	0.4191	0.586205
Mblac2	chr13:81711416-81753275	2.6190	2.9424	0.1680	0.633268
Bicd1	chr6:149408983-149563329	1.4946	1.6697	0.1599	0.745439
Tmem147	chr7:30727700-30729534	30.2090	32.8621	0.1214	0.691602
Rnf19a	chr15:36239933-36283147	44.3081	46.8024	0.0790	0.693585
A330017A19Rik	chr17:46889215-46890405	0.7274	0.9627	0.4043	0.463119
Brms1	chr19:5041403-5049917	25.6231	27.3382	0.0935	0.500976
Gm15556	chr17:47922377-47923429	1.9570	2.6383	0.4310	0.627119
Cdk5	chr5:24418249-24423530	15.5947	16.7124	0.0999	0.595617
Kat2b-ps	chr5:93390601-93393091	0.3212	0.2292	-0.4873	0.662069
Coq2	chr5:100654722-100675140	12.7299	12.0855	-0.0749	0.770159
1700102P08Rik	chr9:108392833-108397763	1.7337	2.1279	0.2956	0.625502
Xkr5	chr8:18932728-18950975	0.4866	0.3732	-0.3826	0.691717
A1467606	chr7:127091435-127094049	109.5497	107.1304	-0.0322	0.760449
Trim36	chr18:46165301-46212607	0.1605	0.2346	0.5479	0.662732
Btn15-ps	chr17:34488069-34497429	1.2612	1.6337	0.3734	0.674957
Rpap2	chr5:107597372-107661838	12.8108	13.5342	0.0793	0.373152
B430218F22Rik	chr13:118386629-118388124	8.2958	9.2014	0.1495	0.677377
Lrmp	chr6:145115652-145174934	56.0959	59.0107	0.0731	0.676245
Rpl31-ps8	chr15:90764245-90764679	13.6329	15.8686	0.2191	0.669957
NA	chr17:17374331-17394898	17.1621	18.3577	0.0972	0.685576
Bscl2	chr19:8837466-8848683	10.3413	9.9901	-0.0498	0.717947
Snord45c	chr3:153912124-153912204	41.5635	52.6835	0.3420	0.612950
Gm5595	chr7:42660104-42692718	0.6043	0.7891	0.3850	0.588275
Hbs1l	chr10:21295978-21368889	19.4727	20.7233	0.0898	0.693434
Gipc3	chr10:81337761-81343266	0.7113	0.4294	-0.7282	0.705099
Atp2b1	chr10:98915151-99026143	43.2116	45.2229	0.0656	0.636239
Ccdc59	chr10:105841066-105847833	13.8608	13.4179	-0.0468	0.700422
Cdkn2aipnl	chr11:51967660-51977334	52.4503	50.9619	-0.0415	0.733779
Tnfp1	chr11:54910784-54962917	42.4250	41.3386	-0.0374	0.774329
Ggnbp2	chr11:84832360-84870817	39.6250	38.7210	-0.0333	0.755544
Ube2z	chr11:96047431-96065388	28.5609	27.7418	-0.0420	0.768236
Smarcd2	chr11:106263178-106272972	54.9894	53.8882	-0.0292	0.725457
Birc5	chr11:117849250-117855743	9.7058	10.3711	0.0956	0.622114
Mipol1	chr12:57230426-57497199	1.1762	1.2942	0.1380	0.534825
Vti1b	chr12:79156016-79172667	34.3117	36.6519	0.0952	0.701490
Cep128	chr12:90998491-91384409	2.2406	2.0962	-0.0961	0.779333
C78339	chr13:46669521-46678056	19.9529	19.2510	-0.0517	0.789178
Ippk	chr13:49421310-49462990	12.0633	11.4890	-0.0704	0.726809
Rnf44	chr13:54679398-54693907	9.2275	8.8703	-0.0570	0.743412
Ctla2a	chr13:60934154-60936625	7.0781	7.8659	0.1523	0.643678

Mctp1	chr13:76384534-77031810	1.5755	1.4447	-0.1250	0.714880
Gm9752	chr13:119473803-119476761	12.2830	13.3305	0.1181	0.706967
Abcb8	chr5:24393662-24410054	7.8692	7.5450	-0.0607	0.705683
Hip1r	chr5:123973627-124003211	28.1499	29.8469	0.0845	0.715041
Mdh2	chr5:135778479-135790398	55.4941	53.6408	-0.0490	0.805435
Eif2ak1	chr5:143817787-143904256	12.4814	12.0489	-0.0509	0.781608
Shfm1	chr6:6557293-6578658	55.9650	59.9620	0.0995	0.745862
Gm27019	chr6:31063091-31063495	5.9250	5.0189	-0.2394	0.585103
Akr1b8	chr6:34354118-34368463	0.6275	0.4447	-0.4967	0.693478
Trbv5	chr6:41062358-41062803	68.8729	74.5116	0.1135	0.653017
Trbv31	chr6:41557690-41558371	60.3853	65.6636	0.1209	0.634943
Suclg2	chr6:95474133-95718837	11.0112	11.8272	0.1031	0.596503
Tamm41	chr6:115004380-115037876	3.4112	3.2270	-0.0801	0.429390
Mrp151	chr6:125191800-125195583	8.3257	8.8731	0.0919	0.214322
Plbd1	chr6:136612069-136661928	0.9432	1.2331	0.3867	0.688427
Tsen34	chr7:3693374-3701023	3.0667	3.5072	0.1936	0.676964
Zfp580	chr7:5051531-5053722	0.8444	0.6147	-0.4580	0.477890
Ppp1r37	chr7:19530966-19562398	13.6927	13.1463	-0.0588	0.726774
Prmt3	chr7:49778345-49858265	25.5823	24.4415	-0.0658	0.807234
Chsy1	chr7:66109514-66173789	10.8064	11.4822	0.0875	0.589017
Lat	chr7:126363831-126369543	385.0518	376.8953	-0.0309	0.821720
Pagr1a	chr7:127001481-127020327	14.6018	15.3614	0.0732	0.450610
Ilgad	chr7:128154375-128223816	0.3971	0.5184	0.3844	0.595494
Tacc2	chr7:130577483-130764784	0.5423	0.4862	-0.1574	0.510704
Cars2	chr8:11514020-11550771	14.7520	14.1048	-0.0647	0.589248
Mast3	chr8:70778116-70792433	16.7016	17.6876	0.0828	0.678092
B3gnt3	chr8:71691718-71701800	2.4175	2.7402	0.1807	0.377253
Adcy7	chr8:88272402-88329962	75.1778	73.3768	-0.0350	0.818071
Osgin1	chr8:119434123-119446256	1.3046	1.5130	0.2138	0.447374
Cog2	chr8:124520766-124552008	16.1105	15.5789	-0.0484	0.751213
Zbtb44	chr9:31030643-31075879	9.4819	10.0556	0.0848	0.677157
Arhgef12	chr9:42963841-43105718	10.2344	10.8912	0.0897	0.717735
AU019823	chr9:50605239-50617464	8.1251	8.7641	0.1092	0.710606
Z300009A05Rik	chr9:63394446-63399244	16.4772	18.1963	0.1432	0.521683
Rp2h	chrX:20364480-20405653	7.0954	7.5872	0.0967	0.628432
Sept6	chrX:36911325-36991794	31.4610	32.8126	0.0607	0.559388
Hnrnp2	chrX:134601178-134607060	15.5997	16.4945	0.0805	0.586718
9130401M01Rik	chr15:58022275-58076425	20.8762	22.4339	0.1038	0.653558
9930014A18Rik	chr15:60822964-60831793	1.3258	1.4831	0.1617	0.564628
Nol12	chr15:78934932-78943634	5.0676	5.5214	0.1237	0.680531
Polr3h	chr15:81915029-81926213	8.8964	9.6938	0.1238	0.658526
Zfp740	chr15:102203647-102215606	43.4611	45.3740	0.0621	0.495155
Arf4	chr14:26638073-26665084	20.1270	19.3316	-0.0582	0.745060
Parg	chr14:32201948-32297550	29.6068	28.7846	-0.0406	0.802742
Traj36	chr14:54182401-54182464	52.0879	61.0406	0.2288	0.626048
Pspc1	chr14:56722440-56778316	16.7621	16.1805	-0.0509	0.762453
Lsm2	chr17:34981861-34985891	7.1284	6.7549	-0.0776	0.626332
Ticam1	chr17:56269318-56276786	5.1434	4.7729	-0.1078	0.686570
Zfp148	chr16:33380774-33503903	20.3339	19.9243	-0.0294	0.654358
Gm26667	chr16:84713022-84715242	32.1312	30.6707	-0.0671	0.756253
Banf1	chr19:5364640-5366645	59.6766	64.3743	0.1093	0.722725
Got1	chr19:43499751-43524605	13.5488	12.9938	-0.0603	0.627178
Mitd1	chr1:37874800-37890411	23.7337	25.0602	0.0785	0.567347
Casp8	chr1:58795373-58847503	88.4176	86.2859	-0.0352	0.786025
Gm11579	chr1:60776664-60781834	10.0158	9.1723	-0.1269	0.630242
Cnst	chr1:179546369-179627478	10.2059	9.9178	-0.0413	0.748409
Rnmt	chr18:68300354-68324852	12.4109	12.0017	-0.0484	0.774822
Tcf4	chr18:69344145-69687967	0.7483	0.6840	-0.1296	0.690756
Gm16286	chr18:80206764-80212741	38.8224	37.8517	-0.0365	0.748059
Gm13433	chr2:25543478-25543718	12.6930	10.3379	-0.2961	0.763289
1700029I15Rik	chr2:92382917-92385708	3.3160	4.0292	0.2810	0.600691
Psmf1	chr2:151715811-151744186	6.1570	5.9063	-0.0600	0.706968
Rbm39	chr2:156147238-156180238	135.1458	141.1885	0.0631	0.655973
Hist2h3c1	chr3:96246684-96248509	1.2100	1.4934	0.3036	0.683018
Fam214b	chr4:43032413-43046220	2.5336	2.9212	0.2054	0.745297
Acot11	chr4:106744554-106804998	6.1363	6.5710	0.0987	0.644850
A730015C16Rik	chr4:108847398-108848619	8.3733	9.2898	0.1499	0.601387
Gm22213	chr13:44838164-44838283	3.9477	6.0884	0.6251	0.555592
Prdm5	chr6:65778987-65936373	0.5150	0.6660	0.3709	0.685160
Efcab12	chr6:115810728-115838412	0.2841	0.1908	-0.5741	0.552839
Rps13	chr7:116331506-116334190	5.2569	6.7308	0.3566	0.677089

Gm5913	chr8:97427711-97429110	0.5232	0.7776	0.5715	0.640658
Gm24339	chr9:15326463-15326539	64.7763	52.0536	-0.3155	0.736252
Aldh3b1	chr19:3913492-3929761	0.9410	1.2347	-0.3919	0.595076
4933408B17Rik	chr18:34579845-34597468	0.7143	0.5326	-0.4235	0.717803
Ncor2	chr5:125017152-125179219	2.8950	2.7075	-0.0966	0.824108
Ercc4	chr16:13109683-13150617	6.8698	7.2511	0.0779	0.289550
Cirh1a	chr8:106893639-106923093	31.3450	29.9956	-0.0635	0.795385
Mfng	chr15:7875881-78773475	27.0345	28.6538	0.0839	0.676321
Xpnp1	chr19:52943416-53040214	7.8738	8.3056	0.0770	0.499406
Mycbp	chr4:123904831-123912269	5.8375	5.4651	-0.0951	0.678688
Gm23991	chr7:44250449-44250542	26.1773	21.5269	-0.2822	0.720120
Gna12	chr5:140758407-140830431	9.9424	10.6836	0.1037	0.714965
Fpgt	chr3:155084920-155093378	12.7917	13.5518	0.0833	0.486336
Qrs1	chr10:43874187-43901745	5.8476	6.2983	0.1071	0.561716
Dnajb12	chr10:59879555-59899302	9.9428	9.5140	-0.0636	0.713266
Gm26710	chr10:80578646-80580677	0.9486	0.7469	-0.3449	0.709279
Xrcc6bp1	chr10:126868429-126901371	6.0155	5.4325	-0.1471	0.714627
4930563E22Rik	chr11:72215137-72218450	0.7205	0.6073	-0.2466	0.565145
Spns2	chr11:72451637-72489904	0.3117	0.3887	0.3185	0.548263
Ywhae	chr11:75732868-75765845	42.8514	41.6742	-0.0402	0.778896
Fam57a	chr11:76179670-76214827	5.8039	6.1771	0.0899	0.550336
Cwc25	chr11:97745480-97766556	7.3019	7.7949	0.0943	0.611426
Fscn2	chr11:120361533-120368168	0.7316	0.5451	-0.4244	0.734210
Slc25a10	chr11:120491839-120499187	2.1945	2.4448	0.1558	0.600119
Stra13	chr11:120710941-120713738	12.8070	14.1050	0.1393	0.673351
Hexdc	chr11:121204432-121222655	1.9464	2.1519	0.1448	0.614536
Dcaf4	chr12:83520465-83541988	12.4496	13.3268	0.0982	0.556667
Wrrn1p1	chr13:32802037-32822609	27.8825	29.3960	0.0763	0.641094
Thoc3	chr13:54458836-54468849	22.9074	22.1571	-0.0480	0.671799
Cenpc1	chr5:86012042-86065583	17.5154	18.6038	0.0870	0.633457
Ccdc92	chr5:124834417-124862424	3.1165	2.8340	-0.1371	0.708793
Gnb2	chr5:137528126-137533510	58.3858	56.4470	-0.0487	0.840294
Irak2	chr6:113638466-113695009	8.8939	9.5787	0.1070	0.699749
Ceacam15	chr7:16671330-16675705	3.9766	3.4649	-0.1987	0.777365
Lysmd4	chr7:67222543-67228468	3.9915	3.7510	-0.0896	0.570876
ldh2	chr7:80094845-80115392	12.4557	13.3131	0.0960	0.588267
Arntl	chr7:113207464-113314122	16.6311	17.5818	0.0802	0.512551
NA	chr7:119739925-119742226	1.0649	1.3833	0.3774	0.576305
Ifitm1	chr7:140967220-140969825	1.1327	0.8419	-0.4281	0.623494
Ssbp4	chr8:70597490-70608314	41.3942	39.5632	-0.0653	0.812180
Fam32a	chr8:72219729-72223764	57.6541	55.7625	-0.0481	0.812650
Vat1l	chr8:114205611-114374071	0.2568	0.3513	0.4524	0.773187
Gm25791	chr9:15314844-15314981	52.0408	59.1982	0.1859	0.697284
Tmem218	chr9:37208332-37223210	2.1278	2.7120	0.3500	0.559450
Adam10	chr9:70678996-70780229	29.2067	30.7433	0.0740	0.663029
Esyt3	chr9:99309966-99358530	0.1765	0.1193	-0.5658	0.706249
Vill	chr9:119052777-119071525	5.4930	5.9831	0.1233	0.715002
Renbp	chrX:73922120-73930850	1.3269	1.1121	-0.2548	0.728742
Cela1	chr15:100674424-100687920	1.9581	2.3805	0.2818	0.634440
Smim4	chr14:31088868-31128930	9.2326	10.4565	0.1796	0.500394
Mtch1	chr17:29332071-29347904	27.0243	28.4380	0.0736	0.573184
H2-Q2	chr17:35342241-35346762	2.2353	1.9362	-0.2073	0.763404
Polh	chr17:46172003-46202625	19.0899	20.2036	0.0818	0.526252
Xpo5	chr17:46202854-46242299	29.4641	28.6154	-0.0422	0.755113
Cdip1	chr16:4750347-4790292	13.2810	12.9140	-0.0404	0.657425
Itsn1	chr16:91729280-91920597	0.2609	0.2949	0.1767	0.564781
Zdhhc24	chr19:4878667-4885397	3.8970	3.6097	-0.1105	0.665706
4833407H14Rik	chr19:53460630-53462723	5.6214	6.3432	0.1743	0.663119
Bzw1	chr1:58393135-58406548	103.6805	108.8876	0.0707	0.709411
Creb1	chr1:64532803-64604547	32.1312	33.6940	0.0685	0.681040
Serpine2	chr1:79794196-79858696	0.5708	0.4713	-0.2763	0.647703
Cep76	chr18:67617396-67641336	3.8011	4.1895	0.1404	0.679164
Gm13293	chr2:11339488-11342612	1.0639	1.4335	0.4302	0.417044
6530402F18Rik	chr2:29245106-29253006	9.6039	9.1136	-0.0756	0.797754
Cstf3	chr2:104590522-104665429	6.1870	6.6058	0.0945	0.579947
Lrrc57	chr2:120604237-120609520	8.9996	9.7585	0.1168	0.668198
Usp50	chr2:126709095-126783458	0.6976	0.5422	-0.3635	0.675610
1700037H04Rik	chr2:131146324-131160081	4.7439	4.2903	-0.1450	0.764189
Dtd1	chr2:144599896-144768758	10.3305	9.7912	-0.0774	0.722882
Gm14290	chr2:167098793-167101826	1.0954	0.9277	-0.2396	0.359809
Tmem189	chr2:167642607-167689822	15.4261	16.4766	0.0950	0.709746

Man1a2	chr3:100562207-100685503	21.5238	20.9991	-0.0356	0.758326
Lrrc40	chr3:158036661-158068478	8.3846	8.0315	-0.0621	0.735188
Plag1	chr4:3900995-3938423	0.3468	0.4218	0.2822	0.692772
At1l	chr12:69893104-69964085	0.2567	0.3632	0.5008	0.654155
Plek2	chr12:78888690-78906964	0.4857	0.7180	0.5640	0.671719
Snora28	chr12:111540940-111541067	20.1591	25.6849	0.3495	0.633077
1700047A11Rik	chr8:26082608-26102694	3.0544	3.9228	0.3610	0.697880
4931403E22Rik	chr19:26768800-26823907	1.5764	2.3404	0.5702	0.671254
Enpep	chr3:129269174-129332720	0.2179	0.1430	-0.6076	0.733540
Gm19684	chr17:36121677-36129692	2.5445	2.2334	-0.1882	0.619477
Marf1	chr16:14109165-14159274	27.5429	26.8486	-0.0368	0.805589
Rtn3	chr19:7425900-7483289	15.7221	15.2330	-0.0456	0.782208
Nespas	chr2:174281236-174295436	1.7039	1.4742	-0.2089	0.743788
Osbp12	chr2:180119305-180162680	15.4439	15.0290	-0.0393	0.486307
Cc1c1	chr3:108653912-108678840	12.3264	13.1274	0.0908	0.665265
Tstd2	chr4:46114745-46138694	12.1833	11.7589	-0.0511	0.762657
Gm11739	chr11:116466318-116474274	3.5300	4.5262	0.3587	0.685348
n-R5s40	chr15:79629501-79692625	4.1329	6.6765	0.6919	0.708391
Pot1a	chr6:25743736-25809246	6.2994	6.0901	-0.0488	0.705335
Pagr1b	chr7:127001479-127016484	46.6731	49.6612	0.0895	0.459722
Gbf1	chr19:46152508-46286510	9.0733	8.8054	-0.0433	0.737392
Gm22643	chr9:13621225-13621326	8.5443	6.1548	-0.4733	0.604029
Gm13708	chr2:73459704-73477602	4.1991	5.5048	0.3906	0.686765
Rundc3a	chr11:102393402-102402555	7.8528	8.5156	0.1169	0.716041
Ggact	chr14:122816222-122913757	14.1116	13.3778	-0.0770	0.761931
Metrn	chr17:25794570-25797136	9.6081	10.7219	0.1582	0.748860
Mir26b	chr1:74394309-74394394	14.0463	18.6093	0.4058	0.654489
Nol4l	chr2:153407461-153529971	1.3896	1.2612	-0.1398	0.813144
Isca1	chr13:59755408-59769810	2.8931	3.1730	0.1333	0.552081
Zfp605	chr5:110110091-110129794	4.3588	4.0450	-0.1078	0.780768
Acy1	chr9:106432995-106438236	8.5090	7.9335	-0.1010	0.668745
Mgst3	chr1:167371965-167393841	0.7613	1.0992	0.5299	0.699133
Thoc1	chr18:9958179-9995484	22.0801	23.1915	0.0708	0.509552
Fgr	chr4:132974094-133001910	2.8007	3.0705	0.1327	0.577383
Gm16552	chr5:121717665-121727403	0.6859	1.1030	0.6854	0.615679
Gm15161	chrX:151783521-151783908	2.5991	1.7746	-0.5506	0.711038
Tmod3	chr9:75497795-75559657	47.1468	49.4302	0.0682	0.653289
NA	chr19:8770995-8772475	17.9053	16.3172	-0.1340	0.755185
Smad4	chr18:73639008-73703780	29.6769	28.9893	-0.0338	0.664177
Zfp639	chr3:32515294-32520685	28.0265	26.8169	-0.0636	0.754779
2810429I04Rik	chr13:3478242-3494398	0.2083	0.2767	0.4101	0.704623
Hgf	chr5:16553549-16619439	2.3346	2.0503	-0.1873	0.775818
Bbc3	chr7:16309615-16318205	5.7881	5.2462	-0.1418	0.794849
Zfp574	chr7:25077204-25083492	7.1345	6.7822	-0.0731	0.764043
Deaf1	chr7:141297175-141327725	5.5344	5.1659	-0.0994	0.648776
Lemd2	chr17:27189600-27204438	20.9320	22.1488	0.0815	0.613396
Osbp	chr19:11965843-11994105	24.7678	24.1029	-0.0393	0.767056
Trav2	chr14:52567292-52568051	1.5112	2.3017	0.6070	0.593921
Msh5	chr17:35028604-35046745	0.3680	0.4838	0.3948	0.696542
Fsd2	chr7:81533307-81566944	4.8073	4.4651	-0.1065	0.777615
Dnajb2	chr1:75236464-75244804	5.7589	5.2698	-0.1280	0.514641
Fbxo22	chr9:55208924-55224433	24.1067	23.3967	-0.0431	0.685753
E430025E21Rik	chr15:59331997-59374167	20.7201	20.1603	-0.0395	0.675021
Ipcef1	chr10:6885795-7052478	57.2177	56.3808	-0.0213	0.779194
Gm17455	chr10:60399725-60403556	1.2882	1.6088	0.3206	0.523720
2510003E04Rik	chr10:62538625-62578457	4.4245	4.2207	-0.0680	0.745940
Slc25a16	chr10:62920632-62946498	4.6982	4.4266	-0.0859	0.795142
Ccdc6	chr10:70097120-70193200	10.0539	10.5678	0.0719	0.581007
Trappc10	chr10:78186724-78244642	32.4557	31.7690	-0.0309	0.820634
Palm	chr10:79793571-79820896	0.5984	0.4560	-0.3920	0.742317
Cnn2	chr10:79988583-79996062	266.8638	277.8398	0.0581	0.665458
S1pr4	chr10:81497744-81500132	62.4614	60.7588	-0.0399	0.827807
AU041133	chr10:82138252-82152011	7.0345	7.6208	0.1155	0.349515
Poc1b	chr10:99107035-99198074	4.2568	4.5896	0.1086	0.578100
Rab21	chr10:115289862-115315591	30.6781	32.2377	0.0715	0.504371
Cct2	chr10:117050997-117063814	234.4685	228.1248	-0.0396	0.859048
Mbd6	chr10:127281955-127289018	3.3638	3.1475	-0.0959	0.737682
Snora5c	chr11:6620318-6620454	10.8015	7.9568	-0.4410	0.655686
Etaa1	chr11:17938755-17953875	6.9639	6.6586	-0.0647	0.746903
Ccng1	chr11:40748551-40755311	105.5376	110.3547	0.0644	0.736213
9930111J21Rik2	chr11:49015873-49051242	10.9207	11.5248	0.0777	0.674464

Hnrnpab	chr11:51600099-51606847	164.0672	160.5876	-0.0309	0.839105
Hint1	chr11:54866382-54870501	112.1209	118.5780	0.0808	0.750369
Atox1	chr11:55446640-55461239	58.1489	54.6584	-0.0893	0.802321
Gm12238	chr11:55482705-55482829	12.7775	16.3427	0.3550	0.738640
Flii	chr11:60714122-60727263	52.9703	51.8990	-0.0295	0.795138
Zfp286	chr11:62753376-62789462	0.7183	0.6230	-0.2055	0.717625
Trim16	chr11:62820230-62850808	1.2197	1.0845	-0.1695	0.713445
Cox10	chr11:63962626-64079468	7.2236	6.8834	-0.0696	0.681205
Zbtb4	chr11:69765911-69784023	13.3424	12.9987	-0.0376	0.764091
Aatf	chr11:84422854-84513522	26.4878	25.6929	-0.0440	0.807783
4930502E09Rik	chr11:84829177-84830868	2.3776	1.9551	-0.2823	0.707421
Utp18	chr11:93859242-93885766	30.7099	29.7605	-0.0453	0.836291
Abcc3	chr11:94343294-94392997	1.0521	0.9187	-0.1955	0.810510
Prr15l	chr11:96928103-96937830	0.3239	0.2441	-0.4083	0.707370
Pgap3	chr11:98388676-98400490	2.6767	2.9661	0.1481	0.677187
Dhx58os	chr11:100687416-100697520	1.5405	1.8530	0.2665	0.689219
Mpp2	chr11:102057014-102088515	1.5775	1.4181	-0.1536	0.796309
Nmt1	chr11:103028189-103068912	24.5838	24.0335	-0.0327	0.794358
Gm26520	chr12:3343815-3357153	2.6168	2.2762	-0.2012	0.723504
Adam17	chr12:21323508-21373632	22.3474	23.2506	0.0572	0.552484
Ap4s1	chr12:51690965-51738939	20.6276	19.5653	-0.0763	0.708067
Eapp	chr12:54670339-54695897	11.2855	11.9161	0.0784	0.638544
Gm9812	chr12:55820610-55821580	6.6334	6.0015	-0.1444	0.732888
Slc38a6	chr12:73286778-73354049	1.2498	1.3675	0.1299	0.496669
Zbtb25	chr12:76347781-76369602	7.8556	7.5391	-0.0593	0.190844
Mpp5	chr12:78748946-78840711	11.9737	11.5492	-0.0521	0.827328
Gm26669	chr12:80108033-80113000	33.8191	32.7382	-0.0469	0.736560
Gm26571	chr12:83950689-83951355	9.8481	11.0922	0.1716	0.673763
Gm26698	chr12:86891403-86892567	2.8368	3.3568	0.2428	0.663714
3300002A11Rik	chr12:99341153-99361827	3.2123	2.4959	-0.3641	0.756468
Atxn3	chr12:101918900-101958246	13.8125	14.5182	0.0719	0.572265
Gm2800	chr12:107183554-107186734	4.3665	3.5031	-0.3178	0.633435
Wdr20	chr12:110737948-110795028	14.0968	15.1133	0.1005	0.725350
Jag2	chr12:112908589-112929495	0.8011	0.7080	-0.1784	0.644825
Gm26583	chr12:112946362-112950512	3.3345	3.1172	-0.0972	0.726138
Rapgef5	chr12:117516478-117756978	2.2246	2.4907	0.1630	0.738952
Gm6768	chr12:119260933-119264272	0.5667	0.4423	-0.3576	0.688052
Edaradd	chr13:12471208-12520450	0.5634	0.6592	0.2266	0.735189
Gm17084	chr13:34033062-34037147	8.7603	8.4538	-0.0514	0.717006
Hivep1	chr13:42052020-42185026	8.2230	7.9735	-0.0445	0.804635
Hnrnpk	chr13:58391141-58403343	68.7935	71.4375	0.0544	0.521066
Gm5141	chr13:62773607-62777089	4.5942	5.1152	0.1550	0.613308
Zfp708	chr13:67069399-67097976	4.6447	5.1403	0.1463	0.726560
Zfp65	chr13:67705305-67729119	9.4087	9.0628	-0.0540	0.769388
Rfesd	chr13:76001534-76018712	6.7935	7.2920	0.1022	0.669472
Poc5	chr13:96388293-96415587	10.8875	11.5803	0.0890	0.526870
Ankdd1b	chr13:96416133-96471198	0.6367	0.4986	-0.3529	0.704621
Gfm2	chr13:97137936-97181195	10.3522	10.8081	0.0622	0.590144
Pde4d	chr13:108449947-109953461	2.3598	2.5139	0.0912	0.664133
Fam133b	chr5:3543843-3569810	22.0903	23.5699	0.0935	0.662984
Srpk2	chr5:23503355-23616571	20.3400	19.9352	-0.0290	0.725313
Tmub1	chr5:24445457-24447854	13.6169	12.9457	-0.0729	0.744107
Fam53a	chr5:33600350-33629635	7.3397	7.1268	-0.0425	0.796936
Slain2	chr5:72914303-72978829	16.7663	17.5051	0.0622	0.610568
Cep135	chr5:76588697-76646466	9.7235	10.3157	0.0853	0.701627
Lrrc8d	chr5:105699968-105832436	2.6340	2.8300	0.1035	0.706018
Glmn	chr5:107548966-107597888	6.4153	7.0117	0.1282	0.729297
Git2	chr5:114727406-114775517	22.7094	22.0686	-0.0413	0.847672
Srsf9	chr5:115327176-115333080	27.9461	29.8802	0.0965	0.691125
Dtx1	chr5:120680201-120711927	62.2532	66.0294	0.0850	0.762775
Kdm2b	chr5:122870667-123015080	9.7873	9.5065	-0.0420	0.805506
Vps33a	chr5:123528763-123573015	16.1546	15.7511	-0.0365	0.691254
Agfg2	chr5:137650482-137684726	9.1762	9.7438	0.0866	0.642595
Cops6	chr5:138161070-138164646	20.5211	21.8186	0.0885	0.694914
Pms2	chr5:143909963-143937309	8.1760	7.9504	-0.0404	0.693587
Katnal1	chr5:148874331-148995223	1.6631	1.5703	-0.0828	0.688210
N4bp2l2	chr5:150608006-150665612	20.7932	20.3909	-0.0282	0.796861
Trbv29	chr6:41271402-41271881	55.1638	60.3604	0.1299	0.761358
Trbv30	chr6:41281375-41281990	10.3259	11.9216	0.2073	0.689416
Trbd2	chr6:41542162-41542176	84.2782	103.4916	0.2963	0.460225
Ppm1k	chr6:57506501-57535426	9.6602	10.2148	0.0805	0.674367

Elmod3	chr6:72565921-72598413	1.7587	1.9857	0.1752	0.683796
Ccdc142	chr6:83101616-83109939	9.3976	10.0578	0.0979	0.701067
Gmcl1	chr6:86691767-86733378	9.3806	9.9455	0.0844	0.506620
Abtb1	chr6:88835914-88841935	24.4206	25.7625	0.0772	0.569199
Mttr14	chr6:113237842-113281387	14.1513	14.9815	0.0822	0.501370
Gm14335	chr6:115638249-115639059	3.1964	2.6868	-0.2506	0.717779
Gm20404	chr6:116107650-116127493	1.2611	0.9039	-0.4804	0.600377
Nrip2	chr6:128399295-128408932	0.6163	0.7273	0.2388	0.515584
Med21	chr6:146642546-146650602	10.6149	11.5964	0.1276	0.743233
Tmem238	chr7:4784594-4789656	5.4615	6.0355	0.1442	0.559413
Zik1	chr7:10487228-10495394	2.4420	2.2651	-0.1084	0.662722
Lig1	chr7:13277282-13311433	15.3838	14.7533	-0.0604	0.825163
Lgals7	chr7:28863852-28866284	0.8204	1.1108	0.4372	0.534619
Eif3k	chr7:28971372-28981814	221.3978	233.4054	0.0762	0.743800
Rbm42	chr7:30640993-30650317	35.2164	34.0643	-0.0480	0.820436
Gm26762	chr7:34224754-34230236	8.8330	9.3158	0.0768	0.486482
Zfp719	chr7:43579609-43593235	7.8490	8.3766	0.0939	0.696577
Pold1	chr7:44532745-44548849	15.7093	15.1805	-0.0494	0.828964
Hps5	chr7:46760465-46796064	10.1025	10.6521	0.0764	0.590145
Ldha	chr7:46841474-46855627	129.1575	135.4035	0.0681	0.732412
Eed	chr7:89954655-89980983	39.8434	38.8117	-0.0378	0.705580
Gm26944	chr7:92639738-92647442	16.6118	15.1279	-0.1350	0.792756
Gm26981	chr7:92729839-92733748	7.1269	7.6451	0.1013	0.669239
Acer3	chr7:98213657-98321208	3.8849	4.2754	0.1382	0.746789
Map6	chr7:99267446-99337137	2.6912	2.9636	0.1391	0.789078
Arfp2	chr7:105634202-105640416	8.4224	8.1071	-0.0551	0.712651
Eif3f	chr7:108934416-108942951	71.2055	69.4064	-0.0369	0.840308
AA474408	chr7:110057986-110061325	2.4721	2.7861	0.1725	0.677980
Ampd3	chr7:110768205-110812405	2.1072	2.3078	0.1312	0.662117
Lyrm1	chr7:119895860-119916756	4.9648	4.5853	-0.1147	0.222547
NA	chr7:127559385-127565266	9.2458	8.8386	-0.0650	0.796067
Stx4a	chr7:127824293-127849019	20.0780	19.5387	-0.0393	0.569751
Nsmce4a	chr7:130532522-130573118	36.7508	38.9506	0.0839	0.716144
Insr	chr8:3150921-3279617	6.6860	6.4465	-0.0526	0.781253
Irs2	chr8:10986979-11008458	3.9694	3.6726	-0.1121	0.794375
Tm2d2	chr8:25017210-25023259	12.0752	13.3143	0.1409	0.698986
Ppapdc1b	chr8:25720060-25724887	7.6171	8.2705	0.1187	0.699729
Lsm1	chr8:25785590-25803975	11.9467	12.8963	0.1103	0.713977
Star	chr8:25808473-25814723	3.6599	3.3935	-0.1090	0.676014
B230317F23Rik	chr8:60983436-60985908	0.7563	0.6289	-0.2661	0.664336
Gatad2a	chr8:69907068-69996379	22.9920	24.0621	0.0656	0.588247
Cope	chr8:70302517-70312993	23.4949	24.7316	0.0740	0.637708
Rab3a	chr8:70754678-70758677	4.5172	4.1910	-0.1082	0.684529
Slc27a1	chr8:71568926-71586708	2.6629	2.9308	0.1383	0.480291
Pgls	chr8:71592175-71601092	11.8758	12.6823	0.0948	0.746251
Tmem184c	chr8:77595981-77610698	14.8732	15.7564	0.0832	0.611081
4921524J17Rik	chr8:85408758-85432841	8.0101	8.7489	0.1273	0.676621
Katnb1	chr8:95081200-95099874	8.4086	8.0515	-0.0626	0.752904
Gm5914	chr8:105624335-105637485	10.5178	11.9002	0.1782	0.622840
Pard6a	chr8:105701153-105703493	2.8859	3.3786	0.2274	0.670332
Edc4	chr8:105880880-105894908	22.9158	22.3019	-0.0392	0.807858
Terf2ip	chr8:112011358-112020528	9.8704	10.5567	0.0970	0.702941
Gm26733	chr9:20432759-20563282	17.5735	16.6255	-0.0800	0.820620
Ccdc84	chr9:44410159-44418003	19.6988	21.1286	0.1011	0.627747
Ift46	chr9:44767907-44792714	4.5334	4.9143	0.1164	0.766780
Sidt2	chr9:45937856-45955247	49.5036	48.6756	-0.0243	0.797097
NA	chr9:45954100-45955998	7.3548	8.1375	0.1459	0.708729
Timm8b	chr9:50603900-50605320	51.8573	56.8208	0.1319	0.797707
Arhgap20os	chr9:51832813-51875886	0.7970	0.6274	-0.3452	0.703473
Pstpip1	chr9:56089961-56128888	42.6134	41.6174	-0.0341	0.809560
Phip	chr9:82866158-82975489	39.8166	38.9568	-0.0315	0.827195
Ibtk	chr9:85687360-85749334	20.8328	21.8303	0.0675	0.653772
Slc35g2	chr9:100552192-100571085	1.5396	1.2404	-0.3117	0.660091
Nphp3	chr9:104002543-104043730	0.5549	0.4738	-0.2278	0.788903
Mon1a	chr9:107888128-107903125	10.2830	9.6375	-0.0935	0.786789
Qars	chr9:108508004-108515941	25.1757	26.2326	0.0593	0.455908
Wdr6	chr9:108572312-108578670	32.1338	31.3705	-0.0347	0.795913
Ptpn23	chr9:110385088-110408210	2.8507	3.1611	0.1491	0.748411
Ctnnb1	chr9:120929215-120960507	88.2432	86.9362	-0.0215	0.708390
Gata1	chrX:7959259-7978071	5.8928	5.4871	-0.1029	0.735140
Usp9x	chrX:13071497-13173328	31.9387	33.2212	0.0568	0.644227

Fundc1	chrX:17556563-17572325	11.6834	12.4699	0.0940	0.585751
Zbtb33	chrX:38189792-38197046	4.7828	5.1072	0.0947	0.471960
Mcts1	chrX:38600577-38613426	25.0836	23.9971	-0.0639	0.794426
Mmgt1	chrX:56585511-56598069	10.4223	10.0919	-0.0465	0.759990
L1cam	chrX:73853777-73896105	5.8902	5.6375	-0.0633	0.780544
Gm14798	chrX:94028853-94099304	10.2252	9.5539	-0.0980	0.723633
Magt1	chrX:105968083-106011906	22.0228	23.2244	0.0766	0.733648
Atp7a	chrX:106027275-106124926	4.0057	3.8442	-0.0594	0.761635
Timm8a1	chrX:134537255-134541865	0.6658	0.5026	-0.4056	0.607705
Gm24523	chr15:34440790-34440922	28.8386	34.1806	0.2452	0.756465
Nsmce2	chr15:59374197-59601683	7.6438	8.2258	0.1059	0.765080
Gm2895	chr15:66969322-67013039	0.1409	0.2113	0.5853	0.655515
Dennd3	chr15:73512559-73572242	0.7402	0.6552	-0.1761	0.709122
Il2rb	chr15:78480552-78495066	317.3624	311.3578	-0.0276	0.851032
NA	chr15:78913918-78919517	8.1715	7.7760	-0.0716	0.572040
NA	chr15:81857673-81858796	10.2967	9.3698	-0.1361	0.787336
Xrcc6	chr15:81987834-82040085	15.0627	14.4280	-0.0621	0.816430
Desi1	chr15:81992522-82033862	5.7423	5.3769	-0.0949	0.800649
Cenpm	chr15:82233778-82244747	5.8141	6.5424	0.1703	0.739444
Cdpf1	chr15:85806971-85811697	13.0582	12.2193	-0.0958	0.728287
Dip2b	chr15:100038663-100219473	17.9146	17.4550	-0.0375	0.850399
Calcoco1	chr15:102706778-102722178	9.3291	8.9910	-0.0533	0.737444
Fam208a	chr14:27428846-27483552	40.6753	39.5473	-0.0406	0.854248
Capn7	chr14:31336637-31371986	33.0357	34.5029	0.0627	0.621252
Traj4	chr14:54216290-54216353	43.6181	50.9311	0.2236	0.621480
Traj2	chr14:54217835-54217901	80.8023	90.7750	0.1679	0.605304
Zmym5	chr14:56790584-56811716	12.4169	13.1765	0.0857	0.749658
Gm27010	chr14:61625925-61627337	5.9521	5.2546	-0.1798	0.692952
4931440J10Rik	chr14:62760500-62830126	1.7485	2.1632	0.3071	0.616348
Kctd9	chr14:67715936-67742310	5.1165	5.4565	0.0928	0.641924
Gm17233	chr14:73173819-73187321	7.9561	8.9717	0.1733	0.647271
Gm17066	chr14:105109389-105114676	19.6148	18.4785	-0.0861	0.823984
Tgds	chr14:118111910-118132765	8.4867	8.0456	-0.0770	0.640133
Ezr	chr17:6738040-6782784	141.0346	138.9320	-0.0217	0.827259
1700010I14Rik	chr17:8988332-9008319	3.1321	2.8735	-0.1243	0.563340
Zfp97	chr17:17121414-17146831	2.2315	2.4979	0.1627	0.678818
9530082P21Rik	chr17:23743233-23754065	3.8920	4.2219	0.1174	0.673152
Kctd5	chr17:24047733-24073485	12.6478	12.0963	-0.0643	0.770837
Abhd16a	chr17:35089262-35102987	12.2417	11.7060	-0.0645	0.784935
A930015D03Rik	chr17:35994452-36038435	9.0692	9.9286	0.1306	0.588230
Gm9574	chr17:36137187-36139105	3.2207	2.7068	-0.2508	0.683223
Rnf39	chr17:36942917-36947986	1.8895	1.6456	-0.1994	0.740234
Olf756-ps1	chr17:37285141-37286069	0.6701	0.9736	0.5389	0.580719
Clpp	chr17:56990263-56996371	23.6502	25.1632	0.0895	0.583606
Tnfsf14	chr17:57189491-57194189	9.4811	9.0173	-0.0723	0.630270
Foxn2	chr17:88440710-88490533	18.5222	18.1192	-0.0317	0.759972
Prodh	chr16:18060356-18090203	3.0086	2.8111	-0.0980	0.561465
Gm24572	chr16:18284549-18284637	18.7230	14.4116	-0.3776	0.689536
Snord2	chr16:23108952-23109021	79.8912	71.4539	-0.1610	0.726520
Gm26447	chr16:23111300-23111429	87.1249	97.7817	0.1665	0.819575
Bcl6	chr16:23965051-23988852	6.1811	5.9228	-0.0616	0.788800
Tnk2	chr16:32643873-32683493	16.8579	16.2649	-0.0517	0.826976
Cd80	chr16:38458932-38486933	6.8849	7.6015	0.1428	0.673476
Nfkbiz	chr16:55811374-55838899	36.5960	35.8487	-0.0298	0.803782
Nxpe3	chr16:55839952-55895279	8.4805	8.9481	0.0774	0.638308
Ets2	chr16:95702074-95721051	10.2080	9.8363	-0.0535	0.751680
B230307C23Rik	chr16:97997322-98010000	9.2311	8.5805	-0.1054	0.762162
Ndufs8	chr19:3908869-3912717	59.7640	63.2732	0.0823	0.713838
Mrpl11	chr19:4962305-4966995	8.0160	8.7076	0.1194	0.710675
Pygm	chr19:6384398-6398459	1.8983	1.7013	-0.1580	0.762017
Gpr137	chr19:6938068-6942450	5.8296	5.4527	-0.0964	0.745108
Gm22744	chr19:8725091-8725156	86.2538	77.2796	-0.1585	0.770716
Mrpl16	chr19:11770414-11774944	17.3348	18.9039	0.1250	0.728347
Klf9	chr19:23141225-23166911	2.9547	3.3128	0.1650	0.763208
Gm6563	chr19:23675843-23676712	2.4198	1.9003	-0.3486	0.699519
Rcl1	chr19:29101374-29143843	22.7564	21.6413	-0.0725	0.821770
Cd274	chr19:29367454-29388095	21.5786	22.6701	0.0712	0.642590
Ermp1	chr19:29608213-29648415	12.8810	13.4253	0.0597	0.509774
Slc25a28	chr19:43663821-43674881	19.4508	20.6586	0.0869	0.508691
Sema4g	chr19:44989100-45003397	0.6935	0.6098	-0.1857	0.642176
Mrpl43	chr19:45005013-45006442	31.4188	33.3007	0.0839	0.647424

Sufu	chr19:46396895-46488804	3.3874	3.2141	-0.0758	0.768597
Lypla1	chr1:4807787-4886770	14.9495	15.7769	0.0777	0.699318
1700034P13Rik	chr1:9747647-9791922	5.4994	5.1676	-0.0898	0.633652
Ogfr1	chr1:23366423-23383175	0.7198	0.6323	-0.1869	0.701786
Lmbrd1	chr1:24678543-24766299	12.9034	12.3980	-0.0576	0.837925
Asnsd1	chr1:53325506-53352752	20.3329	21.4978	0.0804	0.711459
Hspe1	chr1:55088131-55091307	21.7615	23.7548	0.1264	0.801597
1700066M21Rik	chr1:57377619-57385423	6.2752	6.7782	0.1112	0.666703
Als2cr12	chr1:58658116-58695989	1.0134	0.8374	-0.2752	0.661614
Eef1b2	chr1:63176824-63180486	149.4935	158.2448	0.0821	0.783946
Plcd4	chr1:74542887-74567794	1.3883	1.2308	-0.1737	0.799056
G530012D18Rik	chr1:85575675-85577295	35.2730	33.2501	-0.0852	0.650714
Gm4258	chr1:137898594-138000384	1.5394	1.9115	0.3124	0.755247
2310009B15Rik	chr1:138851978-138856854	5.6404	4.8513	-0.2174	0.736414
Teddm2	chr1:153849541-153900208	1.8378	2.1216	0.2071	0.648252
Gm2000	chr1:156366039-156366484	5.4339	4.5987	-0.2408	0.658984
Gm26224	chr1:161035393-161035473	139.4357	129.1129	-0.1110	0.762922
Mettl18	chr1:163994888-163997243	8.9428	8.0808	-0.1462	0.782431
Blzf1	chr1:164289799-164307489	4.8022	5.1664	0.1055	0.650220
Atf6	chr1:170704673-170867771	7.2510	7.6464	0.0766	0.693575
Pex19	chr1:172126754-172136493	13.2927	14.0138	0.0762	0.625125
Wdr26	chr1:181173227-181211552	37.2034	38.6380	0.0546	0.403160
G0s2	chr1:193272160-193273188	1.6160	1.1828	-0.4502	0.742874
Mtpap	chr18:4375591-4397330	21.4916	22.6141	0.0735	0.510545
Rab18	chr18:6765204-6790231	14.1403	15.0170	0.0868	0.568686
Gm2531	chr18:10145452-10145965	7.1224	8.2111	0.2052	0.663415
Sft2d3	chr18:31909093-31911903	5.0286	5.4525	0.1168	0.488227
Brd8	chr18:34598614-34624601	20.4451	20.0169	-0.0305	0.785775
Gm26742	chr18:54981434-54987689	0.5862	0.4790	-0.2915	0.762043
Lmnb1	chr18:56707812-56753424	31.9122	33.7346	0.0801	0.701668
Dym	chr18:75018771-75286966	9.4709	8.9321	-0.0845	0.775091
Timm21	chr18:84947293-84951524	24.3841	23.2407	-0.0693	0.789901
Tmx3	chr18:90510153-90543267	26.3373	27.5963	0.0674	0.657212
Sephs1	chr2:4881563-4910557	11.1844	10.8557	-0.0430	0.752609
Gm13357	chr2:23019130-23019667	2.6201	2.0189	-0.3761	0.513194
Il1rn	chr2:24336852-24351494	0.8252	0.7160	-0.2047	0.644810
Lcn4	chr2:26667673-26671282	2.2689	1.7966	-0.3367	0.626175
Rpsa-ps9	chr2:28477165-28478050	2.1701	2.5772	0.2481	0.514579
Dennd1a	chr2:37798990-38287390	4.4939	4.8734	0.1170	0.740075
A930012O16Rik	chr2:57236226-57238508	0.4945	0.7001	0.5018	0.619061
Cytip	chr2:58129136-58195532	106.2229	104.3077	-0.0262	0.837611
Ssb	chr2:69861561-69871846	144.2889	141.1362	-0.0319	0.848783
Atp5g3	chr2:73908446-73911326	41.0580	43.4024	0.0801	0.703415
Lnp	chr2:74520290-74579435	3.7669	3.5953	-0.0673	0.790299
Ttc30b	chr2:75935862-75938462	1.4028	1.6227	0.2101	0.577583
Zc3h15	chr2:83644434-83664622	35.7469	34.4601	-0.0529	0.833418
Ilgav	chr2:83724396-83806916	16.0772	15.6814	-0.0360	0.804229
Hsd17b12	chr2:94032688-94157964	19.7564	19.0070	-0.0558	0.810757
Api5	chr2:94411681-94438136	41.7190	40.5493	-0.0410	0.823038
Prr5l	chr2:101714284-101883027	0.7656	0.6291	-0.2834	0.693930
Apip	chr2:103073674-103092644	10.3991	11.4058	0.1333	0.643778
Stard9	chr2:120629125-120731897	1.3108	1.2423	-0.0774	0.780994
Trpm7	chr2:126791564-126876230	22.2140	21.7410	-0.0311	0.784636
Gm10130	chr2:150323701-150363071	20.7361	23.3606	0.1719	0.688979
Angpt4	chr2:151911209-151945337	0.5800	0.4159	-0.4799	0.686317
Comm7	chr2:153616932-153632781	9.9637	9.6485	-0.0464	0.754908
Gm14494	chr2:153826052-153826834	2.8959	2.3165	-0.3221	0.773952
Cbfa2t2	chr2:154436480-154539356	4.1302	3.9581	-0.0614	0.788880
Itch	chr2:155133508-155226855	16.6129	17.3114	0.0594	0.463786
Ppp1r16b	chr2:158665397-158766334	22.6725	23.7762	0.0686	0.674010
Zmynd8	chr2:165784151-165899016	10.4413	10.1880	-0.0354	0.802773
Dnajc5	chr2:181520484-181555133	33.5509	32.9692	-0.0252	0.777300
Car13	chr3:14641726-14663002	0.3942	0.2880	-0.4527	0.645034
Ythdf3	chr3:16183182-16217035	40.3862	39.5041	-0.0319	0.822206
Armc1	chr3:19132145-19163065	12.0760	12.8771	0.0927	0.648540
Ndufb5	chr3:32736989-32751566	30.5814	32.4610	0.0861	0.748952
Rsrc1	chr3:66981389-67358396	4.1534	4.3938	0.0812	0.683445
Lxn	chr3:67457997-67463926	8.9732	8.3100	-0.1108	0.777461
Gucy1a3	chr3:82092427-82145877	5.4090	5.7803	0.0958	0.568054
Glt28d2	chr3:85801046-85887518	1.2422	1.1280	-0.1392	0.688638
Ilf2	chr3:90476200-90488379	55.8007	54.4544	-0.0352	0.767663

Vps45	chr3:95999831-96058466	6.4015	6.8655	0.1009	0.691524
Fmo5	chr3:97628803-97655282	1.1774	1.3010	0.1440	0.400741
Hadh	chr3:131233418-131272101	10.6125	11.2171	0.0799	0.692606
Ccne2	chr4:11191350-11204779	9.9990	10.7267	0.1013	0.734676
Fam219a	chr4:41517690-41569538	1.6182	1.4482	-0.1601	0.751626
Rpp25l	chr4:41712032-41713534	18.3437	17.0021	-0.1096	0.789834
Tex10	chr4:48430857-48473459	19.1136	20.1179	0.1919	0.633435
Hsd12	chr4:59581562-59618689	13.3518	14.4782	0.1168	0.758258
Slc31a2	chr4:62262561-62298411	6.7134	7.3232	0.1254	0.601282
Fkbp15	chr4:62300341-62360548	17.8951	17.5434	-0.0286	0.788808
Wdr31	chr4:62448652-62470896	0.2205	0.1587	-0.4746	0.685051
Pde4b	chr4:102087542-102607259	8.8103	8.6148	-0.0324	0.591979
Gm17354	chr4:108633842-108637441	5.4390	5.9573	0.1313	0.681222
Eps15	chr4:109280267-109387817	20.5175	20.0751	-0.0314	0.788058
Tctex1d4	chr4:117126793-117128738	5.1860	4.6725	-0.1504	0.646106
Map7d1	chr4:126232166-126256343	11.9487	12.7136	0.0895	0.713848
Gmeb1	chr4:132221024-132261602	4.8760	4.6874	-0.0569	0.736071
Tmem57	chr4:134802758-134853345	8.0037	7.6982	-0.0561	0.771196
Luzp1	chr4:136469760-136554780	2.2340	2.4382	0.1262	0.706008
Ddost	chr4:138304729-138312628	75.2651	73.1235	-0.0416	0.832256
Szrd1	chr4:141113000-141139775	39.7914	42.1281	0.0823	0.752964
Hffa	chr4:149104145-149120647	8.7237	8.3965	-0.0552	0.700574
H6pd	chr4:149979474-150009023	9.7352	9.3364	-0.0603	0.806794
Thap3	chr4:151982638-151988997	17.6351	18.8212	0.0939	0.640558
Gm9770	chr10:130412498-130413312	0.8010	1.0747	0.4241	0.528397
Gm12229	chr11:54746356-54746824	2.9470	3.9411	0.4193	0.757009
Gm11712	chr11:107386982-107388971	1.3965	2.1555	0.6262	0.683987
Spata7	chr12:98628156-98669815	0.1565	0.2259	0.5297	0.639769
4930486L24Rik	chr13:60842620-60864416	1.1803	1.4697	0.3164	0.661682
D730045B01Rik	chr5:151368863-151369172	3.0559	3.8296	0.3256	0.517357
NA	chr6:116173633-116174494	0.9177	0.5960	-0.6227	0.705359
Klrd1	chr6:129591781-129598775	0.9169	1.2767	0.4776	0.685039
Kansl2-ps	chr7:72672817-72674278	0.6790	0.5093	-0.4148	0.673818
Mboat4	chr8:34115029-34125185	1.4455	1.1569	-0.3213	0.725635
Gm26664	chr8:84665127-84669406	2.5610	3.2567	0.3467	0.619517
Frmf7	chrX:50895179-50942710	0.4875	0.3675	-0.4080	0.683339
Gm14780	chrX:93527572-93530309	0.7313	0.5752	-0.3463	0.749271
Gm9670	chrX:103506811-103507589	1.9787	1.5431	-0.3587	0.701119
Dnah12	chr14:26693273-26891703	0.0790	0.0556	-0.5076	0.747326
Tmem253	chr14:52016864-52019787	2.3867	1.9518	-0.2902	0.729427
Traj41	chr14:54176270-54176325	42.3323	33.3618	-0.3436	0.746997
Serpine3	chr14:62663666-62692243	0.7574	1.0171	0.4253	0.682851
Gm16386	chr17:22784797-22817741	2.1009	2.6193	0.3182	0.699684
BC033916	chr17:33905134-33906675	2.5871	3.3819	0.3865	0.760399
Mettl4-ps1	chr17:71526895-71556543	0.4922	0.3676	-0.4214	0.706663
Map3k13	chr16:21891968-21931877	0.2088	0.2704	0.3726	0.709527
Pik3ap1	chr19:41274217-41385070	1.7513	2.1035	0.2644	0.735473
Gm16244	chr19:42779031-42781454	0.6719	0.8557	0.3489	0.608825
Gm6776	chr19:43280797-43281697	3.4202	4.0703	0.2511	0.713783
Rapsn	chr2:91035619-91045729	0.9648	1.2471	0.3702	0.662749
Gm14010	chr2:128423653-128424565	1.3132	1.9801	0.5925	0.656523
Gm23650	chr2:130277696-130277766	8.5412	13.0795	0.6148	0.701519
Gm11743	chr2:144756328-144758582	0.7780	1.0077	0.3731	0.680190
Hbegf	chr18:36504928-36515805	1.1032	0.8839	-0.3198	0.735045
Gm17119	chr3:14564401-14564681	7.9839	10.0328	0.3296	0.670124
1700034I23Rik	chr3:40900199-40902501	0.2777	0.4064	0.5493	0.641348
Larp1b	chr3:41021938-41040234	0.7066	0.8884	0.3303	0.708163
Tsacc	chr3:88282756-88296999	1.4966	1.9757	0.4007	0.742913
Gm16540	chr3:90057258-90058380	1.4693	2.1399	0.5424	0.621034
Gm12490	chr3:101260916-101261476	2.9363	3.7452	0.3510	0.761175
Dio3os	chr12:110275383-110278068	0.7445	0.4770	-0.6423	0.716438
Gm23553	chr13:9109304-9109599	4.5703	3.5158	-0.3784	0.768588
Zfp768	chr7:127342796-127345314	0.4439	0.3069	-0.5325	0.731076
Gm16144	chr9:69477028-69479598	0.9528	0.6668	-0.5149	0.698015
Gm2464	chr3:13471905-13474596	0.3898	0.2741	-0.5080	0.699290
Gm12543	chr4:59833676-59834219	1.3046	0.8382	-0.6382	0.704611
Zfp428	chr7:24507005-24515682	0.7798	1.0043	0.3650	0.639071
lct1	chr11:115403751-115412674	12.1423	12.8229	0.0787	0.567136
Tmem259	chr10:79974947-79984330	29.7288	28.9719	-0.0372	0.848150
Rps15a-ps6	chr11:6172643-6173036	2.3234	1.7530	-0.4064	0.694962
Slfm3	chr11:83191329-83215154	8.9897	9.7630	0.1191	0.724925

Unk	chr11:116030321-116061214	10.1944	9.7628	-0.0624	0.848235
Lpin1	chr12:16535668-16589770	9.6202	9.3510	-0.0410	0.720101
Rps3a3	chr13:108670579-108671440	1.3910	1.1250	-0.3062	0.678046
Pomp	chr5:147860627-147875778	99.0341	105.3210	0.0888	0.763146
Gm20512	chr7:19715015-19721731	7.1544	8.2475	0.2051	0.736052
Zfp74	chr7:29930814-29954089	2.9579	2.7596	-0.1001	0.816757
Slc25a38	chr9:120110373-120124504	8.2142	8.8311	0.1045	0.703738
Abcb7	chrX:104280656-104413856	19.3332	18.8334	-0.0378	0.836789
Mtdh	chr15:34082693-34142386	17.5110	18.2545	0.0600	0.637778
Uxs1	chr1:43746965-43827800	4.1694	3.9592	-0.0747	0.783775
Usp37	chr1:74435509-74544286	16.6340	16.1243	-0.0449	0.838372
Rin2	chr2:145784733-145887616	3.5616	3.8805	0.1237	0.759775
Trim45	chr3:100922201-100936925	1.1924	1.1000	-0.1163	0.672694
Isy1	chr6:87818446-87838759	49.3532	47.7258	-0.0484	0.839649
Nkiras1	chr14:18271135-18283942	5.5631	5.3704	-0.0509	0.663365
Gm16278	chr17:25919088-25935745	2.8533	3.2347	0.1810	0.665594
1110032F04Rik	chr3:68869585-68872163	14.2590	13.7857	-0.0487	0.709592
Fln	chr11:59791407-59810016	12.9233	12.5274	-0.0449	0.804501
Zc2hc1c	chr12:85288590-85299358	0.5289	0.4535	-0.2222	0.713477
Sspo	chr6:48448228-48501250	0.7011	0.6462	-0.1176	0.788305
Maged2	chrX:150806369-150814345	4.8130	5.2125	0.1150	0.720380
Mcm3	chr1:20802973-20820278	58.1869	60.4922	0.0561	0.547184
Sema4c	chr1:36548641-36558349	0.8777	0.7691	-0.1905	0.772646
Ddrgr1	chr2:130653959-130664659	28.1416	27.4688	-0.0349	0.535776
Trp53tg5	chr2:164470300-164473724	1.9332	1.5494	-0.3193	0.769859
Ranbp2	chr10:58446851-58494155	76.4455	75.2230	-0.0233	0.830722
Kcnmb4os2	chr10:116473162-116475319	0.8144	0.6737	-0.2736	0.712708
Maea	chr5:33335571-33373294	37.1096	38.9109	0.0684	0.652046
Trip6	chr5:137309898-137314241	2.8207	2.5305	-0.1566	0.693580
Zan	chr5:137378636-137477064	0.4499	0.3930	-0.1951	0.821758
Ap2a1	chr7:44900372-44929496	17.4634	16.8552	-0.0511	0.849933
Klh125	chr7:75848337-75874130	12.7079	13.4659	0.0836	0.692295
Mroh1	chr15:76380260-76453038	4.1415	3.9440	-0.0705	0.876597
Gpatch11	chr17:78835515-78848299	10.4174	10.0950	-0.0454	0.706537
NA	chr2:10047837-10049519	0.5832	0.7732	0.0668	0.655735
Gm14049	chr2:130987983-130988619	1.4218	1.0772	-0.4004	0.674859
Cep70	chr9:99243441-99300401	6.6856	6.3332	-0.0781	0.756042
Kdm4b	chr17:56326061-56402870	12.6534	12.2637	-0.0451	0.790942
Gm15765	chr14:45211522-45212432	0.4888	0.7366	0.5916	0.672930
Gm26908	chr14:70205323-70217659	0.6519	0.5033	-0.3731	0.670236
Dhx58	chr11:100694883-100704271	10.4569	11.2149	0.1010	0.745665
Pak1ip1	chr13:41001022-41013019	20.3466	21.3107	0.0668	0.588927
Rbm34	chr8:126947174-126971079	12.2851	11.8562	-0.0513	0.799836
Ppih	chr4:119300009-119320546	6.1299	5.7257	-0.0984	0.783631
Cdkl3	chr11:52004220-52089784	2.3141	2.5076	0.1159	0.616759
Dvl2	chr11:700050594-70012301	13.7899	13.4434	-0.0367	0.818555
Pik3cg	chr12:32173472-32208659	13.5101	14.1699	0.0688	0.677226
Trappc6b	chr12:59043092-59061461	23.6354	22.6975	-0.0584	0.763163
Cdkal1	chr13:29191745-29855674	3.6901	3.5725	-0.0467	0.786576
Trim24	chr6:37870810-37966296	13.5078	13.1967	-0.0336	0.825224
A1854703	chr6:48626763-48633689	0.4882	0.5989	0.2948	0.742174
Vsig10l	chr7:43463150-43471913	0.3455	0.4666	0.4333	0.726618
9330171B17Rik	chr7:79710370-79712357	1.2849	1.1045	-0.2182	0.692628
Zfp629	chr7:127607030-127615797	0.6965	0.6295	-0.1460	0.589175
Pbx4	chr8:69832623-69873163	2.4621	2.7729	0.1715	0.720905
Rpl18a	chr8:70894721-70897443	37.4163	40.0305	0.0974	0.768126
Enkd1	chr8:105703654-105707933	3.2619	3.7430	0.1985	0.688688
Ccpg1os	chr9:72979723-72985376	3.7590	3.2119	-0.2269	0.718127
Pigb	chr9:73015695-73039699	4.4386	4.8392	0.1247	0.638587
Map4	chr9:109931457-110083947	7.7652	7.5753	-0.0357	0.834524
ltgb1bp2	chrX:101449087-101453541	1.7075	1.4018	-0.2846	0.747780
Ttll1	chr15:83483771-83510893	1.6125	1.4438	-0.1594	0.755465
Traj28	chr14:54191660-54191725	91.4763	103.7032	0.1810	0.788348
B4galt4	chr16:38742263-38769049	1.6314	1.8314	0.1668	0.664793
Gtdc1	chr2:44564411-44927657	4.5316	4.3431	-0.0613	0.784588
Metap1d	chr2:71453275-71525194	8.2583	7.9304	-0.0585	0.785316
Fnip2	chr3:79455970-79567796	0.8156	0.7525	-0.1163	0.677986
Gm12977	chr4:133871829-133876533	21.6239	20.7085	-0.0624	0.747365
Pex14	chr4:148960534-149099876	4.8370	4.6136	-0.0682	0.827102
Nphp4	chr4:152476705-152563183	0.3772	0.3130	-0.2692	0.685681
Traj42	chr14:54175772-54175836	24.5632	31.0019	0.3359	0.595227

1700048M11Rik	chr16:92308715-92312466	2.1115	2.7831	0.3985	0.652427
Gm12739	chr4:108484170-108484552	3.8923	3.0626	-0.3459	0.775310
Gm12266	chr11:60343244-60344206	1.7376	2.2833	0.3940	0.769209
Ccdc42b	chr5:120628334-120634235	1.0603	0.8104	-0.3877	0.766646
Arc	chr15:74669082-74672570	3.4528	3.7748	0.1286	0.656953
2610524H06Rik	chr5:114821934-114823468	18.9161	17.9237	-0.0777	0.734001
Ube2l3	chr16:17152012-17202649	11.3348	11.0023	-0.0430	0.799510
Sssca1	chr19:5728087-5731732	17.8197	18.8641	0.0822	0.732422
Gphn	chr12:78226654-78684767	9.6292	9.2858	-0.0524	0.734341
Emp1	chr6:135362930-135383173	3.6121	4.0419	0.1622	0.802307
Grpel1	chr5:36464997-36474080	19.5029	18.8477	-0.0493	0.826245
Ccdc25	chr14:65837301-65866604	21.0538	20.3641	-0.0481	0.784213
Irf6	chr1:193153111-193172042	5.7318	6.1045	0.0909	0.726605
Crsl1	chr2:132846665-132866785	11.6669	11.1910	-0.0601	0.711159
Pou2f2	chr7:25091908-25159922	8.0965	7.6479	-0.0822	0.825531
Ergic3	chr2:156008044-156018279	20.7542	21.9666	0.0819	0.731214
Man1c1	chr4:134561689-134704290	1.4856	1.3713	-0.1155	0.754021
Gm10684	chr9:45107175-45135606	0.7976	1.0087	0.3389	0.653407
D730003115Rik	chr1:191224473-191225686	5.3780	4.5798	-0.2318	0.748937
Gm24411	chr2:158356423-158356554	3.7491	5.4991	0.5527	0.673660
Cyp4f18	chr8:71988481-72009626	0.2645	0.3956	0.5810	0.737550
Dusp10	chr1:184013301-184075636	16.1387	15.6468	-0.0447	0.767720
Zfp217	chr2:170108642-170148103	26.2340	25.6385	-0.0331	0.852194
Pradc1	chr6:85446809-85451970	8.3086	7.7773	-0.0953	0.807202
Gins4	chr8:23226609-23237668	29.9343	31.7141	0.0833	0.685997
Msh2	chr17:87672329-87723713	16.0523	16.8923	0.0736	0.726168
Rap2b	chr3:61364506-61368703	10.2165	9.8229	-0.0567	0.799235
Snord60	chr17:24528475-24528553	12.8665	18.0916	0.4917	0.763890
Mynn	chr3:30602086-30618492	13.5136	14.2587	0.0774	0.699245
4632428N05Rik	chr10:60346850-60372684	89.3131	92.9903	0.0582	0.712692
Cand2	chr6:115774537-115804893	3.3579	3.6122	0.1053	0.663082
Iffo1	chr6:125145240-125161782	7.3807	7.1011	-0.0557	0.832486
Tnt1	chr7:4504569-4516382	1.7364	1.5568	-0.1575	0.711347
Edrf1	chr7:133637542-133672971	15.6283	16.3828	0.0680	0.686636
Syce2	chr8:84872110-84888221	3.3460	3.8051	0.1855	0.727810
Pla2g15	chr8:106150398-106164713	3.2791	3.5960	0.1331	0.681458
Hyls1	chr9:35560819-35570103	17.0269	17.7725	0.0618	0.579913
Fgf16	chrX:105764278-105774939	1.5484	1.8099	0.2251	0.702013
Bap1	chr14:31251488-31259929	26.7003	27.9441	0.0657	0.669101
Tmem204	chr17:25057701-25081181	0.7262	0.8888	0.2915	0.741168
Wdr90	chr17:25844770-25861501	3.5152	3.3612	-0.0646	0.815178
Gm8186	chr17:26098871-26099257	2.9563	2.2212	-0.4125	0.724838
Gm17080	chr17:45586119-45588377	30.9186	29.7620	-0.0550	0.705303
Tiam1	chr16:89787110-89980080	31.5926	33.2796	0.0750	0.792140
Tctn3	chr19:40596445-40612233	4.3033	4.0624	-0.0831	0.708172
Rpe	chr1:66700830-66719805	22.6328	22.0466	-0.0379	0.797031
Ik	chr18:36744655-36757639	73.0793	71.6773	-0.0279	0.823767
Gabpb2	chr3:95181765-95217916	23.3196	24.1380	0.0498	0.501805
Dynl1-ps1	chr6:135349087-135349780	1.0477	0.7138	-0.5537	0.738035
Gm15976	chr16:91924437-91928635	4.7029	3.8375	-0.2934	0.712875
Gm973	chr1:59516263-59634508	0.4013	0.3072	-0.3852	0.789449
Hcfc2	chr10:82696159-82742428	9.7649	9.4472	-0.0477	0.834308
Gm6483	chr8:19682267-19698275	1.6024	1.4852	-0.1096	0.753698
Tpp2	chr1:43934001-44002999	65.8737	64.8199	-0.0233	0.810001
Eya2	chr2:165595031-165771727	2.4928	2.7858	0.1603	0.730815
Snora24	chr3:123507936-123508066	28.5971	32.2261	0.1724	0.485765
Kcnh3	chr15:99224975-99242817	0.2027	0.2846	0.4895	0.679656
Rnf135	chr11:80183850-80199757	5.9847	6.4834	0.1155	0.704203
Tcrg-C2	chr13:19305059-19307551	5.7811	6.7137	0.2158	0.785079
A130010J15Rik	chr1:193168048-193177832	17.1406	16.6315	-0.0435	0.817168
Erdr1	chrY:90784737-90816464	4.7127	5.3702	0.1884	0.767925
Gm11131	chr17:35377020-35380292	37.2629	39.2096	0.0735	0.735156
Trmt11	chr10:30534224-30600749	13.2671	12.7162	-0.0612	0.817094
Usp15	chr10:123113243-123196935	46.2591	45.3381	-0.0290	0.814921
Pnpt1	chr11:29130743-29161828	26.7927	28.1810	0.0729	0.736188
Dhrs7b	chr11:60830630-60860195	5.1753	4.8502	-0.0936	0.825920
Derl2	chr11:71007163-71019841	10.2467	10.0196	-0.0323	0.772034
Lasp1	chr11:97798999-97838764	28.2352	27.7061	-0.0273	0.834330
Psmc3ip	chr11:101091822-101095436	9.4477	10.1689	0.1061	0.668581
Mapt	chr11:104231389-104332090	0.3134	0.2653	-0.2406	0.797143
Gm20069	chr12:102612679-102618516	8.1736	7.2678	-0.1694	0.758623

Gm16084	chr12:107147163-107160207	1.4573	1.0959	-0.4112	0.708092
Siva1	chr12:112644827-112649152	9.0810	10.2964	0.1812	0.747689
Zscan26	chr13:21442174-21453730	37.5982	39.3491	0.0657	0.722450
Usp30	chr5:114100332-114123506	10.6621	10.2938	-0.0507	0.748064
Dhx37	chr5:125414405-125434048	9.1634	9.6343	0.0723	0.477967
Psph	chr5:129765557-129787252	6.8768	7.3770	0.1013	0.739473
Slc12a9	chr5:137314557-137333597	3.4374	3.6941	0.1039	0.676584
Usp39	chr6:72318677-72345184	28.0461	29.4198	0.0690	0.650030
Fbxl14	chr6:119479667-119483886	33.1614	32.4825	-0.0298	0.834463
Necap1	chr6:122874556-122888934	11.0776	10.6426	-0.0578	0.747477
Eif4g2	chr7:111067984-111083030	80.8937	79.3712	-0.0274	0.862935
lqck	chr7:118855759-118972652	0.1960	0.1448	-0.4372	0.631575
Lcmt1	chr7:123377981-123430358	14.6756	15.6244	0.0904	0.602427
Gm26586	chr8:72137388-72140820	24.6105	26.0496	0.0820	0.728274
Sin3b	chr8:72723287-72758203	29.1936	28.6383	-0.0277	0.795997
Gm26265	chr8:95756949-95757082	10.9139	8.6807	-0.3303	0.674994
Ces2c	chr8:104847067-104854483	3.2291	3.6465	0.1754	0.725346
Uqcrc1	chr9:108936647-108949640	96.5101	94.0115	-0.0378	0.866590
Xk	chrX:9272755-9313250	1.6164	1.5130	-0.0954	0.584915
Mir3113	chrX:151859561-151859637	22.0960	18.4835	-0.2575	0.715110
Tlr7	chrX:167304928-167330558	4.4126	4.7499	0.1063	0.716922
Gm26884	chr15:79689139-79692385	1.9469	1.7734	-0.1347	0.726788
Tuba1b	chr15:98931424-98934565	8.3359	7.9104	-0.0756	0.723926
1700087M22Rik	chr14:30770680-30778004	4.4574	5.8153	0.3836	0.707315
Pbrm1	chr14:31019137-31121592	29.9914	29.5559	-0.0211	0.814300
Ap1g2	chr14:55098577-55106593	17.3160	16.9309	-0.0324	0.731102
Scaf8	chr17:3114971-3198855	29.7289	30.9577	0.0584	0.647757
Zfp414	chr17:33629089-33631779	8.1775	7.7197	-0.0831	0.782280
Gm17251	chr17:33759991-33761870	5.7354	6.4150	0.1615	0.644773
Gpank1	chr17:35121454-35124814	12.0371	12.8169	0.0906	0.631739
Spats1	chr17:45448936-45474938	1.2682	1.0586	-0.2606	0.664428
Mpnd	chr17:56005710-56016790	19.1983	18.6556	-0.0414	0.754894
Yipf4	chr17:74489492-74500277	27.6118	26.9126	-0.0370	0.720399
Zfp597	chr16:3858320-3884561	9.5150	10.0667	0.0813	0.743494
Polq	chr16:37011785-37095417	3.7676	3.6295	-0.0539	0.798490
Atp6v1a	chr16:44085401-44139705	11.1049	11.6429	0.0683	0.674269
BC027231	chr16:44724300-44737284	9.8691	10.3844	0.0734	0.670553
Hsd17b4	chr18:50128200-50196269	24.3058	25.4092	0.0640	0.603480
Smim3	chr18:60474192-60501983	1.1491	0.9801	-0.2295	0.744059
Snora17	chr2:26639189-26639321	13.8218	11.7379	-0.2358	0.722417
Plekha3	chr2:76675280-76696828	16.4732	15.9795	-0.0439	0.811895
Nckap1	chr2:80500511-80581380	3.1933	3.4452	0.1096	0.699905
Ints8	chr4:11199157-11254258	10.6504	10.3412	-0.0425	0.823473
Rps6	chr4:86854659-86857412	6.8836	6.3032	-0.1271	0.816685
Gm12696	chr4:97521427-97522332	15.1624	16.3729	0.1108	0.603462
Gm12992	chr4:131899477-131920029	8.4104	8.1108	-0.0523	0.836504
Ube2j2	chr4:155943830-155959604	8.5678	8.2547	-0.0537	0.810494
Slc35e3	chr10:117733678-117746358	0.7215	0.8626	0.2577	0.732030
NA	chr11:120627680-120628181	6.4113	5.3859	-0.2514	0.729041
Gm16578	chr13:54219452-54223023	0.9102	0.6564	-0.4716	0.639048
Hspe1-ps3	chr5:25391607-25391884	2.9481	3.9133	0.4086	0.714632
Ctrl	chr8:105931993-105933862	2.2464	1.8280	-0.2973	0.719203
Scn3b	chr9:40269215-40291618	0.3580	0.4611	0.3649	0.767966
Gm14513	chrX:11684001-11684124	5.7711	7.6687	0.4101	0.655224
Krt18	chr15:102028215-102032026	0.6260	0.4605	-0.4428	0.658207
Gm10912	chr2:104065825-104067486	0.6043	0.4277	-0.4988	0.755533
Gm12912	chr4:75147608-75148989	0.3889	0.5071	0.3830	0.447643
Gm13031	chr4:140947665-140957902	1.8067	2.2179	0.2958	0.651333
Dsp	chr13:38151327-38198577	0.8248	0.9315	0.1755	0.813434
Pex3	chr10:13523841-13553142	7.1769	7.5287	0.0691	0.133458
Stx7	chr10:24149316-24188959	11.3470	11.9945	0.0801	0.658014
Micu1	chr10:59702476-59864132	7.8378	7.6569	-0.0337	0.831688
Supv3l1	chr10:62429208-62449738	13.7350	14.6031	0.0884	0.741812
Sirt1	chr10:63319004-63381704	12.6155	13.2449	0.0702	0.697419
Pfkl	chr10:77986946-78010083	23.1146	22.3530	-0.0483	0.874995
Rrp1	chr10:78400361-78413043	95.6513	94.0836	-0.0238	0.867059
Mum1	chr10:80226433-80243903	14.9932	15.6070	0.0579	0.716213
Amh	chr10:80805247-80807648	0.7321	0.6010	-0.2846	0.736908
Eef2	chr10:81176630-81182507	1048.8073	1031.8944	-0.0235	0.892884
Snord37	chr10:81178949-81179013	18.2314	15.3471	-0.2485	0.529309
NA	chr10:89724749-89724875	6.3633	4.8813	-0.3825	0.698108

Tmtc3	chr10:100443901-100487350	0.5397	0.4829	-0.1605	0.804609
Rassf3	chr10:121410349-121476250	10.1414	10.7159	0.0795	0.706869
Gm12592	chr11:3305425-3331178	6.4996	6.2177	-0.0640	0.821552
Rnf185	chr11:3415981-3452363	9.0764	9.6222	0.0842	0.637700
Uqcr10	chr11:4701972-4704342	76.4730	82.3591	0.1070	0.797002
Smek2	chr11:29172889-29220797	69.4032	68.4153	-0.0207	0.853580
Rtn4	chr11:29692946-29744331	14.8559	15.4622	0.0577	0.671322
Gm12102	chr11:31003294-31003898	2.7250	3.4491	0.3400	0.751233
Stk10	chr11:32533304-32624587	83.8429	86.8473	0.0508	0.685981
Snord96a	chr11:48802031-48802112	55.8098	62.4331	0.1618	0.689460
Gm25082	chr11:51270434-51270689	28.6198	26.4766	-0.1123	0.784001
Gm26551	chr11:51949881-52269514	6.9674	6.5906	-0.0802	0.842021
Gm12258	chr11:58847157-58861956	9.9030	10.3868	0.0688	0.611141
Cd68	chr11:69664212-69666153	5.3452	4.9443	-0.1125	0.771223
Slc16a13	chr11:70216788-70220994	1.5224	1.3954	-0.1257	0.252460
1200014J11Rik	chr11:73047782-73080217	14.7243	14.4080	-0.0313	0.864015
Shpk	chr11:73199459-73224511	3.0054	3.2556	0.1154	0.625608
Vps53	chr11:76046225-76179647	11.5359	12.0876	0.0674	0.637570
Rnmt1	chr11:76243714-76250619	6.5383	6.1794	-0.0814	0.822805
Gosr1	chr11:76726601-76763579	23.8707	24.7594	0.0527	0.131373
Brip1os	chr11:86201369-86304443	17.0818	17.7624	0.0564	0.660617
Fam117a	chr11:95337017-95381872	24.4923	25.6939	0.0691	0.737670
Pip4k2b	chr11:97715156-97744704	25.2675	24.7963	-0.0272	0.829989
Taco1	chr11:106066060-106073612	7.9211	7.4661	-0.0853	0.788351
Sept9	chr11:117199660-117362325	67.4360	69.9515	0.0528	0.697869
Tmc6	chr11:117765987-117782198	36.4698	35.7636	-0.0282	0.855200
B3gnt1	chr11:121616196-121673153	11.0457	11.7073	0.0839	0.759153
1700030C10Rik	chr12:20814256-20815727	0.7918	0.6107	-0.3746	0.768763
Zfp125	chr12:20899821-20900867	8.9761	10.1490	0.1772	0.738171
Gm17195	chr12:79163407-79163835	9.3509	8.4976	-0.1380	0.670740
Slc10a1	chr12:80953184-80968079	4.0891	4.5753	0.1621	0.732109
Zfyve1	chr12:83546940-83597147	12.2512	12.7810	0.0611	0.376004
Acot2	chr12:83987860-83993873	9.8790	9.5205	-0.0533	0.800415
Npc2	chr12:84754559-84773112	70.3702	72.9819	0.0526	0.688297
Gm17139	chr12:84918147-84919238	49.1592	47.3446	-0.0543	0.795890
Prox2	chr12:85085813-85106431	1.6526	1.5242	-0.1167	0.721087
Psmc1	chr12:100110185-100123364	60.8255	63.5879	0.0641	0.730048
Ryr2	chr13:11553102-12106945	0.1958	0.1604	-0.2880	0.839920
Arid4b	chr13:14063231-14199603	15.8627	15.5188	-0.0316	0.865207
Zfp429	chr13:67389308-67399767	11.7036	12.3827	0.0814	0.653665
Zfp825	chr13:74480516-74482943	5.9848	5.4625	-0.1318	0.746870
Zcchc9	chr13:91796532-91807705	16.1546	16.9156	0.0664	0.669032
Rasgrf2	chr13:91880399-92131656	0.6414	0.5719	-0.1655	0.842965
Smn1	chr13:100124851-100137690	4.4409	4.7894	0.1090	0.651386
Nnt	chr13:119335447-119408997	5.1241	5.3982	0.0752	0.637808
Mrpl33	chr5:31596934-31701972	9.0656	8.8394	-0.0364	0.846938
Gm20671	chr5:32737229-32827109	30.8917	32.3805	0.0679	0.556223
Tmem129	chr5:33653215-33657977	10.1859	9.8049	-0.0550	0.800930
Nelfa	chr5:33896935-33936413	9.8478	10.3503	0.0718	0.710949
Mrfap1	chr5:36794866-36796772	34.6238	36.4025	0.0723	0.715291
Jakmip1	chr5:37028334-37148001	17.7467	17.3785	-0.0302	0.868379
Tmem156	chr5:65063207-65091555	22.8242	21.7172	-0.0717	0.784493
5430416N02Rik	chr5:100420841-100429516	10.2435	9.8753	-0.0528	0.829289
Helq	chr5:100762144-100798598	6.3944	6.2170	-0.0406	0.762139
Chfr	chr5:110135839-110171972	33.0812	32.5845	-0.0218	0.788572
Ficd	chr5:113735781-113740600	4.1904	3.9687	-0.0784	0.761536
Hnf1a	chr5:114948360-114971067	1.3955	1.5390	0.1412	0.726057
Ppp1cc	chr5:122158277-122175273	5.7125	6.1648	0.1099	0.746630
A430033K04Rik	chr5:138622858-138648903	6.0535	6.3917	0.0784	0.452213
Gm23202	chr5:146835143-146835272	11.5335	14.4124	0.3215	0.709331
NA	chr5:146895791-146896196	2.2270	1.6860	-0.4015	0.737349
Hmgb1	chr5:149046701-149053513	7.4492	7.2628	-0.0366	0.545274
C1galt1	chr6:7844841-7872047	28.8623	30.1804	0.0644	0.719594
Irf5	chr6:29526624-29541869	17.7860	18.6824	0.0709	0.668865
Smo	chr6:29735693-29761365	1.8428	2.0435	0.1492	0.729580
Wdr91	chr6:34880425-34910876	13.4223	12.9498	-0.0517	0.824385
Slc37a3	chr6:39334769-39377707	9.6619	9.3469	-0.0478	0.816347
Zyx	chr6:42349827-42360146	15.0490	14.5490	-0.0488	0.849989
Mbd4	chr6:115840696-115853371	5.1762	5.5196	0.0927	0.690201
Gm20531	chr6:124732167-124738040	22.7908	24.3663	0.0964	0.785632
NA	chr6:125494423-125509135	0.7387	0.9286	0.3302	0.701622

Cd69	chr6:129267323-129275369	84.0080	81.8093	-0.0383	0.882055
C2cd5	chr6:143010919-143100107	22.2869	23.4004	0.0703	0.754107
Tmem160	chr7:16452778-16455489	24.7975	26.7016	0.1067	0.763115
Sptbn4	chr7:27356382-27447686	0.2145	0.2682	0.3219	0.796113
Gmfg	chr7:28437446-28448233	18.2146	19.2799	0.0820	0.764952
Gm4673	chr7:30957408-30961619	4.4792	4.7918	0.0973	0.706514
Snord33	chr7:45126863-45126947	14.4540	17.8691	0.3060	0.605566
Btbd1	chr7:81792074-81829431	19.0816	19.9482	0.0641	0.586266
Ddias	chr7:92857528-92874213	2.9021	3.1575	0.1217	0.694050
NA	chr7:100545755-100547620	1.1352	0.9127	-0.3147	0.815317
Timm10b	chr7:105640055-105655748	11.0797	11.6682	0.0747	0.717752
Ilk	chr7:105736591-105742925	37.9852	37.3867	-0.0229	0.785104
Ppfbp2	chr7:107595050-107748582	0.4175	0.3525	-0.2443	0.751174
NA	chr7:110766676-110769345	0.7158	0.8232	0.2016	0.535377
Nsmce1	chr7:125467639-125491596	32.6567	34.6381	0.0850	0.763543
Nfatc2ip	chr7:126382853-126396737	4.6303	4.3933	-0.0758	0.804272
Prss53	chr7:127885840-127890970	3.9102	3.6578	-0.0962	0.738026
Glr3	chr7:137437647-137468594	16.0138	15.3430	-0.0617	0.819010
Rplp2	chr7:141447369-141451585	70.4548	74.3063	0.0768	0.806993
Chid1	chr7:141493135-141539857	3.9342	4.1223	0.0674	0.628001
Tollip	chr7:141874812-141918507	11.9255	12.4493	0.0620	0.585121
Osbp15	chr7:143688761-143756985	9.5926	10.1974	0.0882	0.792850
Nadsyn1	chr7:143795583-143822849	6.2032	6.6438	0.0990	0.768248
Zfp358	chr8:3493137-3497208	2.3130	2.6386	0.1900	0.730153
Zfp958	chr8:4625839-4629380	20.4113	19.4407	-0.0703	0.840554
Tnfsf13b	chr8:10006842-10035441	0.7748	1.0205	0.3974	0.687132
Thap1	chr8:26158211-26162940	6.6493	7.2319	0.1212	0.655446
4933416M07Rik	chr8:27142909-27149671	7.5507	7.0947	-0.0899	0.762405
1700029J07Rik	chr8:45953605-45975252	1.4248	1.2799	-0.1547	0.756372
Sugp1	chr8:70042812-70071953	23.7991	23.1250	-0.0415	0.853914
Zfp882	chr8:71908607-71916354	6.0165	6.9862	0.2156	0.674310
Zfp617	chr8:71908634-71934629	5.8784	6.2596	0.0907	0.505934
Ndufb7	chr8:83566670-83571626	13.5774	14.3062	0.0754	0.736558
1700122E12Rik	chr8:84847187-84848415	1.9441	1.5534	-0.3237	0.802918
Phkb	chr8:85840958-86061376	6.1446	5.9692	-0.0418	0.836130
Zdhhc1	chr8:105472480-105484350	2.2028	1.9605	-0.1681	0.783986
Rpl13	chr8:123102349-123105244	20.2728	21.4324	0.0802	0.763474
Coa6	chr8:126422500-126425434	13.0440	14.5736	0.1600	0.810299
Mir1903	chr8:128359240-128359320	83.5213	92.4490	0.1465	0.663244
Kbtbd3	chr9:4309742-4331721	4.2669	3.9698	-0.1041	0.836382
Mttr2	chr9:13748409-13806481	15.7340	16.5328	0.0714	0.742971
Keap1	chr9:21229729-21239332	18.8236	19.5674	0.0559	0.589058
PrkcsH	chr9:22003034-22014219	52.5867	51.7434	-0.0233	0.815430
Gm16214	chr9:42022614-42034113	5.8032	6.5893	0.1833	0.787243
Cd3d	chr9:44981792-44987052	171.3009	178.3836	0.0584	0.742093
Rnf214	chr9:45863424-45906894	6.0957	6.5047	0.0937	0.770523
Pias1	chr9:62880076-62980879	17.8096	17.4518	-0.0293	0.795929
Parp16	chr9:65214689-65239219	1.9307	2.1765	0.1729	0.726185
Sltm	chr9:70542919-70592237	51.1183	50.2213	-0.0255	0.863898
Mb21d1	chr9:78430525-78443237	2.4130	2.6441	0.1320	0.737055
Adams7	chr9:90162977-90208071	0.8124	0.7366	-0.1413	0.778669
Plod2	chr9:92542222-92608428	2.8645	2.6863	-0.0927	0.721632
U2surp	chr9:95456893-95511996	36.2440	35.4641	-0.0314	0.867655
Plcd1	chr9:119071526-119093496	0.7913	0.9222	0.2209	0.717034
Otud5	chrX:7841363-7876626	36.2617	35.6291	-0.0254	0.853271
Atp6ap2	chrX:12587800-12617049	20.6333	20.0833	-0.0390	0.802602
Uba1	chrX:20658325-20683179	112.5345	111.2691	-0.0163	0.851574
Htatsf1	chrX:57053582-57067183	13.9108	14.7970	0.0891	0.822579
RbmX	chrX:57383529-57393036	36.4285	35.8627	-0.0226	0.830519
F8	chrX:75172714-75382615	0.3538	0.4023	0.1853	0.726618
ArmcX2	chrX:134804144-134809221	7.5450	7.3300	-0.0417	0.762096
3632454L22Rik	chrX:135022733-135060336	1.1101	1.0098	-0.1367	0.736803
Tbc1d8b	chrX:139684995-139753405	6.6989	6.4971	-0.0441	0.764344
Gm15066	chrX:144285725-144288333	0.8715	0.7258	-0.2639	0.669390
Msl3	chrX:168654116-168673898	26.2201	25.6460	-0.0319	0.804742
BC037032	chr15:4021685-4027402	0.9295	1.0534	0.1805	0.716639
Spef2	chr15:9578192-9748868	0.5047	0.4556	-0.1476	0.605836
Gm25713	chr15:12158332-12158441	9.5823	12.4707	0.3801	0.765731
Taf2	chr15:55015128-55072152	20.3921	21.2038	0.0563	0.672093
Parp10	chr15:76231173-76243441	20.6557	21.7331	0.0734	0.742543
Exosc4	chr15:76327396-76330677	14.3548	15.1881	0.0814	0.690702

Slc16a8	chr15:79251013-79254761	0.4382	0.3276	-0.4196	0.678206
Ldoc1l	chr15:84553397-84557823	3.7321	3.9837	0.0941	0.662043
Phf21b	chr15:84785380-84856049	0.9106	0.7934	-0.1989	0.819441
Fbln1	chr15:85205948-85286535	0.1560	0.1216	-0.3589	0.716373
Prkag1	chr15:98812797-98831508	56.8285	59.2952	0.0613	0.650784
Csad	chr15:102176997-102189043	4.8007	4.5159	-0.0882	0.774540
Gm26518	chr15:102455525-102483722	3.9258	4.2191	0.1040	0.630168
Ndst2	chr14:20723738-20730327	10.2791	9.9679	-0.0444	0.758314
Ccdc66	chr14:27482411-27508460	17.4849	17.0421	-0.0370	0.731599
Actr8	chr14:29978336-29993221	25.2581	24.7071	-0.0318	0.650830
Traj23	chr14:54196080-54196140	129.5551	119.7819	-0.1132	0.812852
Gm17606	chr14:54640951-54648293	36.8158	40.1385	0.1247	0.702361
Ints9	chr14:64950044-65039835	7.8981	8.4069	0.0901	0.669027
Elp3	chr14:65530445-65593112	28.0527	27.4454	-0.0316	0.810620
Sorbs3	chr14:70180467-70207637	0.2987	0.2376	-0.3301	0.628424
Ppp3cc	chr14:70217897-70289449	33.2237	34.6603	0.0611	0.459278
Polr3d	chr14:70438747-70443471	14.9873	14.5212	-0.0456	0.784194
Reep4	chr14:70545250-70548933	16.4217	15.7541	-0.0599	0.845985
Tpt1	chr14:75845092-75848525	12.7441	13.6668	0.1008	0.794012
Gm22877	chr14:103650452-103650557	34.1702	39.0906	0.1941	0.740630
Ppp2r1a	chr17:20945310-20965916	59.5257	61.8760	0.0559	0.691288
Gm26695	chr17:23556768-23558313	9.2320	9.9955	0.1146	0.694622
1600002H07Rik	chr17:24215053-24220851	4.6827	4.4581	-0.0709	0.626582
Wfikkn1	chr17:25877629-25880305	2.7019	2.4404	-0.1468	0.829126
Mrpl28	chr17:26123519-26126613	25.5598	24.5035	-0.0609	0.851578
Uhrf1bp1	chr17:27856489-27900040	2.1246	2.0161	-0.0756	0.843402
Anks1	chr17:27909339-28062600	8.0807	7.8079	-0.0495	0.836718
Gm15598	chr17:27988027-28008432	4.4539	3.9628	-0.1686	0.675440
Zfp523	chr17:28177206-28205886	3.2407	3.5054	0.1133	0.743562
Cmtr1	chr17:29549798-29705979	31.1145	30.6672	-0.0209	0.846412
H2-Eb2	chr17:34325664-34340229	0.5720	0.4285	-0.4166	0.751503
Dxo	chr17:34837018-34839233	14.1371	13.5364	-0.0626	0.805619
Nelfe	chr17:34850390-34856372	14.4694	13.9614	-0.0516	0.728988
H2-Q7	chr17:35439154-35443773	58.2928	57.0370	-0.0314	0.894565
Flot1	chr17:35823229-35832791	8.4554	8.9943	0.0891	0.765989
Gm16279	chr17:35896945-35912215	2.3570	2.6125	0.1484	0.731298
NA	chr17:35994515-35999749	3.8715	4.3015	0.1520	0.820314
H2-T10	chr17:36115875-36121465	10.1694	10.7178	0.0758	0.709043
Nfkbie	chr17:45555715-45563169	26.9696	26.1924	-0.0422	0.868321
Cul9	chr17:46500571-46546388	0.9860	0.9331	-0.0795	0.750176
Gm20517	chr17:47611588-47683861	4.0885	3.9665	-0.0437	0.582832
Sult6b1	chr17:78883937-78906992	3.5072	3.9144	0.1585	0.769223
Gm17315	chr17:79354698-79358022	0.7871	0.9132	0.2145	0.608238
Cdkl4	chr17:80523549-80563834	0.9326	0.8080	-0.2068	0.727161
Rhoq	chr17:86963081-87000069	4.4682	4.7458	0.0870	0.624017
Nlrc3	chr16:3945006-3976632	17.7624	17.3070	-0.0375	0.895997
Rogdi	chr16:5008729-5013517	2.3652	2.6594	0.1692	0.605144
1700056N10Rik	chr16:17047519-17049111	5.2792	5.9980	0.1842	0.817752
Ranbp1	chr16:18239783-18248732	78.7939	82.9392	0.0740	0.777465
Gm24201	chr16:23110382-23110507	66.9574	73.1296	0.1272	0.702215
Ncbp2	chr16:31948512-31961781	15.8651	16.8821	0.0896	0.801901
lqcg	chr16:33015384-33056218	1.6422	1.4584	-0.1712	0.793462
Cox17	chr16:38346990-38352763	9.3649	9.8145	0.0676	0.530852
Cxadr	chr16:78301495-78359785	0.7682	0.6958	-0.1429	0.794413
Donson	chr16:91677267-91688765	35.9371	37.4093	0.0579	0.631123
Wrb	chr16:96145406-96157852	2.6226	2.8209	0.1051	0.469493
Doc2g	chr19:4003320-4007005	1.7820	1.5964	-0.1587	0.795901
Ccdc85b	chr19:5456788-5457397	15.6847	17.2043	0.1334	0.731989
Cfl1	chr19:5490484-5494029	486.5232	505.0464	0.0539	0.709854
Capn1	chr19:5988545-6015825	63.7662	62.5303	-0.0282	0.878447
Gldc	chr19:30098448-30175418	0.3392	0.4066	0.2613	0.731112
Al606181	chr19:41593362-41596158	2.6441	2.8988	0.1327	0.730301
Col17a1	chr19:47646343-47692094	0.3015	0.2577	-0.2269	0.773579
Smndc1	chr19:53379213-53390573	14.6792	15.7613	0.1026	0.785105
B230217012Rik	chr19:57323384-57360775	2.7520	2.4655	-0.1586	0.756833
Mybl1	chr1:9667414-9700209	1.1350	1.2550	0.1451	0.787095
Rpl7	chr1:16101294-16104662	166.2628	179.6117	0.1114	0.746827
Gm26580	chr1:21959841-21962530	6.4259	5.9707	-0.1060	0.839155
Mgat4a	chr1:37439339-37541016	5.6309	5.9273	0.0740	0.696320
Stradb	chr1:58973521-58995715	2.5449	2.4079	-0.0798	0.834317
Raph1	chr1:60483190-60567104	4.9042	5.2552	0.0997	0.724464

Slc11a1	chr1:74375202-74386062	0.3255	0.2725	-0.2564	0.708690
Wdfy1	chr1:79702261-79776143	3.2293	3.4900	0.1120	0.758772
Fam124b	chr1:80198705-80218473	2.6710	2.5007	-0.0950	0.743450
Fam132b	chr1:91366429-91374216	2.0537	2.2767	0.1487	0.734040
Ppip5k2	chr1:97706047-97770411	16.2551	16.8694	0.0535	0.677112
Cacna1s	chr1:136052749-136119822	0.5180	0.5989	0.2094	0.784469
Lamc2	chr1:153122755-153186447	0.3596	0.4155	0.2085	0.698007
Dusp12	chr1:170873497-170885540	7.2598	6.9559	-0.0617	0.828184
Fcer1g	chr1:171229571-171234365	1.6567	1.4036	-0.2392	0.620341
Tfb2m	chr1:179528054-179546267	2.8112	3.1066	0.1442	0.712850
Parp1	chr1:180568954-180601253	54.4786	53.6497	-0.0221	0.821187
Degs1	chr1:182275771-182282804	26.7544	27.8620	0.0585	0.363452
Iars2	chr1:185284725-185329396	16.8268	16.5465	-0.0242	0.869114
Rcor3	chr1:192098655-192138010	4.7247	5.0482	0.0955	0.602856
Esco1	chr18:10566601-10610352	33.3703	32.7198	-0.0284	0.851483
Impact	chr18:12972251-12992948	12.5404	12.1273	-0.0483	0.853414
Zfp191	chr18:24009701-24020810	12.9428	12.5894	-0.0399	0.834489
Elp2	chr18:24603960-24638830	40.9106	40.0564	-0.0304	0.859262
Wdr36	chr18:32837224-32866420	36.7797	35.8283	-0.0378	0.875468
Kdm3b	chr18:34777007-34839370	26.7448	26.3668	-0.0205	0.825765
Dnajc18	chr18:35671102-35703144	6.3217	6.6627	0.0758	0.575805
Ndst1	chr18:60685977-60713389	16.2200	15.8052	-0.0374	0.861394
Frmd4a	chr2:4017716-4614043	0.1261	0.1455	0.2065	0.759558
Rbm17	chr2:11585438-11604153	36.1028	37.7400	0.0640	0.697368
Tmem203	chr2:25255438-25256352	6.2252	6.8865	0.1457	0.741755
Gm13427	chr2:31676363-31688469	4.7202	4.0938	-0.2054	0.839630
9430097D07Rik	chr2:32574183-32575684	1.0366	0.8858	-0.2268	0.662710
St6galnac4	chr2:32587094-32599698	14.2691	13.8027	-0.0479	0.866951
Orc4	chr2:48902823-48950277	10.8841	11.4361	0.0714	0.725724
Neb	chr2:52136646-52338798	16.1449	15.7647	-0.0344	0.895540
Harbi1	chr2:91710851-91721545	2.8805	3.0845	0.0987	0.651364
Ccdc73	chr2:104867804-105017904	1.5251	1.7080	0.1634	0.766841
Arl14ep	chr2:106962526-106974424	10.0131	10.4678	0.0641	0.580701
Aven	chr2:112492963-112634573	10.8001	10.4789	-0.0436	0.830894
Scg5	chr2:113776361-113829121	1.7192	1.9982	0.2170	0.697853
Rad51	chr2:119112792-119147445	2.4970	2.6613	0.0919	0.419848
Tmem127	chr2:127247907-127261107	34.5265	34.0100	-0.0217	0.797038
1500011K16Rik	chr2:127791387-127792488	12.4596	11.7671	-0.0825	0.728267
Gm14005	chr2:128195992-128429349	3.5808	4.0098	0.1633	0.784591
1700026D11Rik	chr2:132490633-132524057	0.4374	0.3428	-0.3517	0.747822
1110034G24Rik	chr2:132686930-132751055	6.3928	6.1218	-0.0625	0.613110
Slx4ip	chr2:136891217-137071950	3.7218	3.9524	0.0867	0.669579
Gm26681	chr2:150748280-150750762	1.7993	2.0578	0.1937	0.647235
Asxl1	chr2:153345844-153404007	33.5213	35.0692	0.0651	0.787809
a	chr2:154791401-155051012	10.8541	11.9397	0.1375	0.806006
Trpc4ap	chr2:155634270-155692384	26.2916	25.9942	-0.0164	0.831939
NA	chr2:157133905-157133972	14.0559	17.2209	0.2930	0.712577
Gm11457	chr2:164754241-164769666	9.2565	10.1795	0.1371	0.603879
Slco4a1	chr2:180456244-180474867	0.9092	0.8232	-0.1434	0.684064
Gmeb2	chr2:181251448-181288035	10.6916	11.2599	0.0747	0.731632
Mrps28	chr3:8802145-8923918	15.3050	14.2393	-0.1041	0.807648
Pik3ca	chr3:32397670-32468486	28.2691	29.2901	0.0512	0.633905
Mrpl47	chr3:32725396-32737147	9.6861	10.2541	0.0822	0.709519
Gm12531	chr3:37052214-37060035	9.9648	9.1212	-0.1276	0.548644
Siah2	chr3:58674937-58692400	4.8258	5.2053	0.1092	0.754901
Gmps	chr3:63976105-64022579	11.8493	12.4149	0.0673	0.751143
Kcnab1	chr3:65109383-65378223	0.6516	0.5821	-0.1628	0.814400
Mir15b	chr3:69009755-69009853	22.0243	25.2855	0.1992	0.585431
Gpatch4	chr3:88043107-88055993	13.1537	12.5410	-0.0688	0.798577
Jtb	chr3:90231596-90235838	36.5940	35.6407	-0.0381	0.809093
Snx27	chr3:94497543-94582716	12.3956	12.1336	-0.0308	0.791140
Ensa	chr3:95624979-95632102	43.7093	45.2947	0.0514	0.403311
Pias3	chr3:96696383-96706070	4.7464	5.1780	0.1255	0.803554
Prkab2	chr3:97658192-97673812	3.3906	3.6351	0.1005	0.703965
Hipk1	chr3:103739814-103791563	35.8804	35.3190	-0.0228	0.857409
Psrc1	chr3:108383838-108388231	2.0292	1.8461	-0.1364	0.787488
Cisd2	chr3:135406411-135423925	14.1279	14.8371	0.0707	0.718859
Znhit6	chr3:145576207-145605245	4.6450	4.4088	-0.0753	0.808733
2410004B18Rik	chr3:145938013-145944829	12.3087	11.8618	-0.0534	0.635878
Tyw3	chr3:154576519-154597104	2.0756	1.9520	-0.0886	0.636190
Rab2a	chr4:8535643-8607778	44.7569	46.8358	0.0655	0.718009

Nbn	chr4:15957924-15992589	23.8103	23.1471	-0.0408	0.845361
Cdc26	chr4:62383653-62408642	2.7435	2.9151	0.0875	0.516389
Alad	chr4:62509168-62519918	17.7518	17.2262	-0.0434	0.774560
Klh9	chr4:88718291-88722465	48.3336	47.6036	-0.0220	0.850201
Plaa	chr4:94567513-94603244	25.5438	25.1534	-0.0222	0.834065
Hspb11	chr4:107253592-107279938	2.8897	3.8234	0.4039	0.581744
Lrp8	chr4:107802260-107876840	1.0276	1.1135	0.1158	0.689275
Echdc2	chr4:108165436-108179308	0.4173	0.5053	0.2761	0.685259
Mutyh	chr4:116807722-116819440	4.3094	4.6591	0.1126	0.734167
Gm26330	chr4:117155185-117155289	10.1040	8.1994	-0.3013	0.727458
Trappc3	chr4:126262324-126275883	22.5856	21.9028	-0.0443	0.835385
Trnau1ap	chr4:132311762-132329538	13.2331	12.7716	-0.0512	0.831707
Zfp46	chr4:136284682-136293942	6.7132	7.0865	0.0781	0.619388
Tnfrsf25	chr4:152115933-152120119	32.2894	33.8344	0.0674	0.714340
A430005L14Rik	chr4:153957236-153961925	12.7156	13.6982	0.1074	0.715558
Wrap73	chr4:154142371-154167420	7.3430	7.7713	0.0818	0.728107
Pank4	chr4:154964122-154980938	24.4826	24.0382	-0.0264	0.811742
Ssu72	chr4:155704799-155733879	35.3797	37.0613	0.0670	0.722024
Mir677	chr10:128085288-128085360	21.9366	17.4222	-0.3324	0.778429
Scarf1	chr11:75513539-75526582	0.6500	0.5488	-0.2440	0.767173
Gm22711	chr11:106501242-106501377	10.4887	8.3697	-0.3256	0.762037
ltgb4	chr11:115974708-116008412	0.4970	0.4356	-0.1903	0.800043
Gm5786	chr12:59081018-59081900	0.5453	0.7158	0.3926	0.561610
Hk3	chr13:55005984-55021385	0.6709	0.5762	-0.2194	0.760709
Gm17130	chr5:32005976-32010863	1.0150	1.2259	0.2724	0.646963
Gm26845	chr6:127108388-127110467	0.6552	0.5274	-0.3130	0.697011
B230216G23Rik	chr6:142413440-142419730	0.3505	0.4860	0.4713	0.705532
Zfp296	chr7:19577286-19580656	0.8519	0.6459	-0.3994	0.750655
Gm15541	chr7:27502717-27508122	0.3024	0.3908	0.3696	0.686984
Gm4887	chr7:104821203-104822256	0.6490	0.4731	-0.4560	0.769478
Gm5915	chr8:105660333-105660787	2.2837	1.8382	-0.3131	0.738551
Il20rb	chr9:100457718-100486788	0.7562	0.6238	-0.2778	0.802551
Traj52	chr14:54165315-54165381	12.3763	9.9378	-0.3166	0.683683
Adcy5	chr16:35154876-35305737	0.3328	0.3978	0.2573	0.686796
5330426P16Rik	chr16:50727965-50732743	4.1648	5.1359	0.3024	0.707125
Snora41	chr1:63179003-63179135	10.0541	12.0441	0.2605	0.526805
Lrp4	chr2:91457510-91513779	0.0832	0.0643	-0.3719	0.649767
Gm23731	chr2:102897959-102898066	5.3882	7.4581	0.4690	0.713080
Mir1902	chr2:104428860-104428940	11.9838	15.0939	0.3329	0.670511
Gm14123	chr2:150606232-150610254	0.8500	1.0211	0.2645	0.705528
Gm17608	chr3:97284907-97297778	0.2920	0.4365	0.5798	0.732966
Tmem8b	chr4:43668970-43692668	0.4063	0.3522	-0.2060	0.747887
Gm13070	chr4:149904005-149908149	1.6942	1.3562	-0.3211	0.749774
Fam101a	chr5:125003446-125012547	0.9243	0.7781	-0.2484	0.822279
Klk9	chr7:43791890-43796756	0.8088	1.0461	0.3711	0.735445
Xpnp2	chrX:48108724-48136981	0.3248	0.2586	-0.3291	0.802600
Prr22	chr17:56770275-56772134	0.5793	0.7603	0.3921	0.706018
Nrg2	chr18:36017706-36197380	0.1686	0.2238	0.4085	0.582372
Snord73a	chr3:86138790-86138858	13.3624	9.6881	-0.4639	0.756371
Car9	chr4:43506965-43513729	0.4958	0.6347	0.3563	0.717764
Map3k6	chr4:133240817-133252929	0.1468	0.1062	-0.4664	0.773815
A530017D24Rik	chr11:61864567-61868058	5.8376	5.5984	-0.0604	0.746980
Twistnb	chr12:33429623-33439380	19.0659	20.0640	0.0736	0.738567
Mplkip	chr13:17695412-17699105	11.9932	11.6230	-0.0452	0.811427
Ssr1	chr13:37971400-37994190	20.5389	21.3066	0.0529	0.690509
Coq5	chr5:115279665-115296972	13.2243	14.0316	0.0855	0.730289
Ptcd3	chr6:71880647-71908762	36.3620	38.2459	0.0729	0.798958
Gm26628	chr6:71961144-71963775	6.9927	6.6314	-0.0765	0.739302
Gm21982	chr7:30641000-30664937	24.3045	23.7720	-0.0320	0.870255
Gm8995	chr7:106510538-106511671	231.2063	226.3294	-0.0308	0.893026
Agpat6	chr8:23172945-23208453	21.1182	22.0901	0.0649	0.773353
Sh3rf1	chr8:61224170-61396072	9.7438	9.4411	-0.0455	0.862309
Yjefn3	chr8:69887787-69902712	1.4645	1.1827	-0.3083	0.730788
Wdr61	chr9:54714734-54734519	12.4338	13.0203	0.0665	0.683402
1110012L19Rik	chrX:70385876-70389417	8.9252	9.7469	0.1271	0.768150
Zfp955b	chr17:33289648-33303196	5.6327	6.1032	0.1158	0.654426
Aars2	chr17:45506840-45520842	5.1842	4.9385	-0.0701	0.829444
Tssk2	chr16:17898636-17900023	1.1683	0.9515	-0.2961	0.740568
Zdhhc8	chr16:18220753-18235136	4.6185	4.8807	0.0797	0.653624
2510009E07Rik	chr16:21649044-21694665	1.9585	1.8472	-0.0844	0.809729
Rps6kb2	chr19:4156712-4163354	12.3361	11.8938	-0.0527	0.830389

Rela	chr19:5637482-5648130	28.4407	29.8492	0.0697	0.755558
Ankrd23	chr1:36530533-36535729	6.4742	6.1996	-0.0625	0.637969
Sned1	chr1:93235840-93301065	0.8067	0.8847	0.1332	0.744873
Ambra1	chr2:91730133-91918849	19.9844	19.6988	-0.0208	0.823219
Bambi-ps1	chr2:122466934-122467526	18.3318	19.7242	0.1056	0.689088
Ptpra	chr2:130450277-130554026	36.8290	38.1961	0.0526	0.644845
Adar	chr3:89715021-89753446	42.9690	42.2108	-0.0257	0.892061
Thrap3	chr4:126164081-126202760	27.4666	27.1927	-0.0145	0.816844
Myh10	chr11:68691558-68816632	0.3992	0.3494	-0.1923	0.786742
Gm24391	chr6:120524896-120524998	5.2336	7.2702	0.4742	0.716850
Cyp2r1	chr7:114550165-114562972	0.4059	0.5531	0.4463	0.716687
Tepp	chr8:95310565-95326323	1.3273	1.6059	0.2748	0.701412
NA	chr9:57148179-57151937	0.8724	0.7415	-0.2345	0.792383
Tnk2os	chr16:32665222-32668197	1.2798	1.1047	-0.2123	0.777003
Gm17151	chr10:80766858-80768987	2.0305	2.6620	0.3906	0.739959
Gm5432	chr12:15817002-15888155	0.7400	0.5825	-0.3451	0.818228
Gm1123	chr9:99006964-99035690	0.5503	0.7340	0.4156	0.735299
Gtpbp1	chr15:79690894-79721478	46.5087	45.6635	-0.0265	0.881323
Pcbp2	chr15:102470631-102500059	30.9268	32.3012	0.0627	0.724600
Aida	chr1:183297059-183324501	10.3397	10.8930	0.0752	0.686102
Urgcp	chr11:5713416-5762376	10.8383	11.3002	0.0602	0.672670
Gm15774	chr7:120872691-120875298	0.6632	0.7834	0.2404	0.631679
Nbeal1	chr1:60180598-60338328	5.0367	5.2867	0.0699	0.775149
Acaa2	chr18:74779196-74806207	29.8438	31.3253	0.0699	0.722003
Serp2	chr14:76532813-76556687	3.9132	3.5019	-0.1602	0.703170
Gm21981	chr17:47686738-47694455	6.7395	6.3902	-0.0768	0.844861
Pnp2	chr14:50955991-50964749	0.8568	1.0663	0.3157	0.736922
Reps1	chr10:18055860-18125155	28.9439	28.4864	-0.0230	0.878936
D10Bwg1379e	chr10:18588010-18743758	0.5798	0.6421	0.1473	0.733877
Gm11399	chr11:3142047-3143363	12.3653	11.3267	-0.1266	0.747525
3010026O09Rik	chr11:50174443-50200115	3.7720	4.0941	0.1182	0.684428
Mgat4b	chr11:50210889-50235103	2.9335	2.7498	-0.0933	0.778802
Tmem11	chr11:60864451-60879272	15.4555	16.4714	0.0918	0.779197
Stard3	chr11:98358367-98381112	11.9745	12.6754	0.0821	0.791480
Cdc27	chr11:104502744-104550620	25.2341	24.6875	-0.0316	0.884397
Ern1	chr11:106394649-106487852	2.7638	2.6724	-0.0485	0.777059
Arl16	chr11:120464865-120467607	4.1345	4.4585	0.1089	0.695435
Cd7	chr11:121036746-121039418	19.0965	18.3843	-0.0548	0.823121
3110053B16Rik	chr12:20874124-20921262	1.9516	1.7498	-0.1575	0.812414
lah1	chr12:21316391-21323605	24.7731	23.9311	-0.0499	0.767156
Tmed10	chr12:85340613-85374717	16.2756	15.8281	-0.0402	0.859872
Pxdc1	chr13:34627839-34652681	0.3091	0.4144	0.4232	0.671479
Cep72	chr13:74036494-74062285	3.2742	3.5308	0.1088	0.719210
Sv2c	chr13:95959442-96132577	0.8584	0.9703	0.1768	0.759233
Phf14	chr6:11907808-12081197	20.1505	20.9846	0.0585	0.705295
Lsm8	chr6:18848578-18855751	14.8403	14.3837	-0.0451	0.868335
Creb3l2	chr6:37327254-37442146	1.6634	1.7933	0.1085	0.753597
4930599N23Rik	chr6:39118407-39148312	6.3942	6.0623	-0.0769	0.791705
Braf	chr6:39603236-39725463	5.0642	5.3109	0.0686	0.764840
Fxyd4	chr6:117933728-117937335	0.7811	0.9675	0.3088	0.723479
Kras	chr6:145216698-145250239	19.6635	19.2126	-0.0335	0.886629
Pla2g4c	chr7:13324654-13360672	0.3558	0.4358	0.2927	0.705867
Numbl	chr7:27258432-27282144	0.5134	0.5708	0.1528	0.667052
Snord34	chr7:45126600-45126670	70.3109	65.1011	-0.1111	0.761354
9130023H24Rik	chr7:128234450-128238031	7.6266	8.0848	0.0842	0.756265
lkzf5	chr7:131388651-131410521	5.7508	5.5614	-0.0483	0.810891
Abhd13	chr8:9977706-9992155	17.5571	17.1931	-0.0302	0.877338
Smarca5	chr8:80698506-80739497	19.7279	19.3627	-0.0270	0.883752
Gpt2	chr8:85492575-85527560	0.1658	0.2083	0.3289	0.736507
Ldhd	chr8:111623784-111630374	1.6887	1.8810	0.1556	0.773610
4933433G15Rik	chr9:75410183-75417709	1.4553	1.2993	-0.1636	0.776888
lck	chr9:78109191-78172107	1.6494	1.7541	0.0888	0.683107
1190002N15Rik	chr9:94517863-94538081	12.7175	12.3545	-0.0418	0.840807
Tgm4	chr9:123034738-123067561	1.7712	1.6462	-0.1055	0.807502
Ap1s2	chrX:163909016-163933666	7.5166	7.3414	-0.0340	0.792114
2410089E03Rik	chr15:8169105-8271158	5.6062	5.5008	-0.0274	0.784770
Mtbp	chr15:55557407-55626423	9.7558	9.5249	-0.0346	0.818360
Der1	chr15:57869501-57892418	34.1033	35.3479	0.0517	0.584946
Wisp1	chr15:66891319-66923201	1.4169	1.5587	0.1376	0.797441
NA	chr15:75979871-75982285	6.9237	7.3524	0.0867	0.572295
Zfp647	chr15:76910850-76918010	1.1143	0.9747	-0.1931	0.682565

Syngn1	chr15:80091333-80119501	0.2421	0.1972	-0.2959	0.745414
Oxnad1	chr14:32085373-32103202	3.5435	3.3825	-0.0671	0.831556
Tmem55b	chr14:50926069-50930856	20.5874	21.4871	0.0617	0.733838
Gzmc	chr14:56231400-56234656	3.6917	3.3380	-0.1453	0.779470
Phf11a	chr14:59276912-59297522	8.5011	9.2481	0.1215	0.800846
Kbtbd7	chr14:79426510-79431039	3.3634	3.6076	0.1012	0.767516
NA	chr17:6451887-6477102	6.0724	6.8658	0.1772	0.760270
Zfp758	chr17:22361452-22377281	15.1662	14.7399	-0.0411	0.852341
Zfp955a	chr17:33241518-33255040	8.6810	9.3178	0.1021	0.713219
Prepl	chr17:85063476-85090267	4.7052	4.4941	-0.0662	0.838688
Lztr1	chr16:17508687-17526333	17.0053	16.6910	-0.0269	0.857379
Gm16314	chr16:18498900-18501658	3.4773	3.1153	-0.1586	0.776528
Lsg1	chr16:30560493-30587592	13.4876	13.1835	-0.0329	0.849127
Morc3	chr16:93832120-93876072	47.5743	49.3668	0.0534	0.719889
Gstp1	chr19:4035410-4037912	16.0963	15.2321	-0.0796	0.792435
Rom1	chr19:8927381-8929356	11.2032	12.0821	0.1090	0.822032
Ppapdc2	chr19:28963919-28966798	8.7938	8.3825	-0.0691	0.863528
Exoc6	chr19:37550417-37683245	36.8678	36.3041	-0.0222	0.789446
Rpl13a-ps1	chr19:50030123-50030735	2.8412	2.3990	-0.2441	0.751716
Gm25238	chr19:60580528-60580617	37.0481	33.3842	-0.1502	0.768008
Spag16	chr1:69826987-70725132	0.3517	0.4057	0.2061	0.647338
Dis3l2	chr1:86703803-87050097	14.8384	15.5103	0.0639	0.673834
Zranb3	chr1:127954183-128103047	1.8797	2.0199	0.1038	0.676066
Kifap3	chr1:163779582-163917109	2.3953	2.6100	0.1238	0.741553
Pydc4	chr1:173566283-173599274	25.1250	27.2563	0.1175	0.773423
Cox20	chr1:178319129-178322693	90.3162	88.4507	-0.0301	0.863018
Ss18	chr18:14624197-14682914	28.0756	29.0953	0.0515	0.574732
Tmco6	chr18:36735067-36742391	19.9130	20.7956	0.0626	0.493391
Gm10524	chr18:82692948-82706174	1.8506	2.0674	0.1599	0.658825
Gm13610	chr2:32232781-32236382	9.0242	8.4958	-0.0870	0.771172
Dpm2	chr2:32570857-32573579	17.6767	17.2671	-0.0338	0.702675
Hnrnpa3	chr2:75659260-75669407	4.0980	3.9355	-0.0584	0.810193
Ube2e3	chr2:78868123-78921293	3.7554	4.0033	0.0922	0.704852
Dusp19	chr2:80617044-80632361	4.7732	4.5105	-0.0817	0.823063
Zdhhc5	chr2:84687969-84715180	23.9082	23.5053	-0.0245	0.857078
Rpl30-ps3	chr2:90747615-90747963	9.9497	9.0992	-0.1289	0.599962
Gm14091	chr2:118829873-118834122	5.7860	6.3778	0.1405	0.609585
Rtf1	chr2:119675067-119735407	16.4985	17.1055	0.0521	0.556602
Rnf24	chr2:131298063-131352892	3.8514	3.7140	-0.0524	0.841397
Uqcc1	chr2:155846893-155930310	5.1646	5.0091	-0.0441	0.786051
Fam65c	chr2:167980163-168010618	0.5824	0.6573	0.1745	0.527798
Mrgbp	chr2:180581303-180586304	20.3596	19.9972	-0.0259	0.787664
Mgarp	chr3:51388414-51396738	0.7369	0.6321	-0.2212	0.719970
Rnu73b	chr3:86140617-86140688	32.8865	29.4388	-0.1598	0.649057
Slc27a3	chr3:90385238-90389938	0.8594	0.9892	0.2031	0.798877
Gm128	chr3:95236919-95241598	2.5824	2.4033	-0.1037	0.582177
Nras	chr3:103058338-103067914	34.6437	35.9911	0.0550	0.742975
Ankrd13c	chr3:157947413-158006833	21.7608	21.2564	-0.0338	0.843143
Gm11802	chr4:6688168-6704160	7.7719	8.5048	0.1300	0.426051
Map3k7	chr4:31964096-32023467	19.6295	19.3254	-0.0225	0.863785
Galnt12	chr4:47091908-47123070	15.8299	16.6599	0.0737	0.692709
Gm13139	chr4:147132037-147180579	0.8698	1.0057	0.2094	0.775797
Tprgl	chr4:154157484-154160666	57.2985	56.2462	-0.0267	0.878618
Phospho1	chr11:95824498-95832140	1.9768	2.3419	0.2445	0.783212
Gm20563	chr13:62006665-62006941	4.1112	3.2293	-0.3483	0.733829
4831440E17Rik	chr5:25499066-25501541	1.1124	1.4184	0.3505	0.753247
Gm16288	chr5:30240081-30240448	1.9322	2.4805	0.3604	0.634413
Gm22728	chr5:92056063-92056192	5.2969	3.9724	-0.4152	0.785718
Abhd11os	chr5:135012113-135013253	3.4602	2.9925	-0.2095	0.809363
9530036M11Rik	chr6:54146886-54150937	0.4317	0.3427	-0.3332	0.772413
Tub	chr7:109010824-109034460	0.4660	0.5594	0.2634	0.787982
Ctbp2	chr7:132987562-133124354	0.1813	0.1473	-0.2994	0.668285
Ctdspl	chr9:118926452-119043998	0.6224	0.7398	0.2493	0.735557
Fam19a3	chr3:104767405-104781840	0.6578	0.5890	-0.1595	0.777230
Trav8-1	chr14:53469755-53470231	3.9092	3.1569	-0.3084	0.811706
Prr18	chr17:8340405-8344112	0.2176	0.2803	0.3655	0.735188
BC023105	chr18:60441752-60442983	0.7994	0.6084	-0.3941	0.812625
Gm16372	chr12:24493206-24493656	4.2772	4.8804	0.1903	0.470187
Mccc2	chr13:99948532-100015639	5.6807	5.3981	-0.0736	0.840570
Gm15842	chr5:122302421-122303039	5.4678	4.6288	-0.2403	0.824027
Gimap1	chr6:48718606-48752600	102.0604	105.5577	0.0486	0.683575

Nudcd1	chr15:44375226-44428307	10.2035	10.7948	0.0813	0.767780
1110038B12Rik	chr17:34950237-34952471	14.2952	13.8797	-0.0426	0.800015
Lcmt2	chr2:121128306-121140698	5.2554	5.5735	0.0848	0.697205
Ang	chr14:51091076-51102007	0.9863	1.2109	0.2961	0.655350
R3hdm2	chr10:127380326-127499384	3.7195	3.9755	0.0960	0.813614
Dixdc1	chr9:50662751-50739517	0.3027	0.2652	-0.1909	0.809886
Mta3	chr17:83706162-83821516	15.9483	16.5501	0.0534	0.606422
Tnks1bp1	chr2:85048021-85073048	8.5339	8.9409	0.0672	0.758885
Eif3m	chr2:104999655-105017080	45.4559	44.3599	-0.0352	0.891743
1810062G17Rik	chr3:36475936-36482299	1.4725	1.1957	-0.3004	0.735013
Upk1a	chr7:30603091-30612734	0.5326	0.3968	-0.4247	0.794071
AW209491	chr13:14630244-14638202	5.3647	5.8092	0.1148	0.733174
G2e3	chr12:51348060-51376986	11.9410	12.4484	0.0600	0.771627
Fbxo27	chr7:28692848-28699338	1.5205	1.3831	-0.1367	0.794761
Ccdc114	chr7:45924071-45948956	0.2819	0.3258	0.2085	0.609232
Mef2a	chr7:67231162-67372858	11.7037	11.5162	-0.0233	0.799778
Rab11fip1	chr8:27138772-27174646	13.8283	13.5565	-0.0286	0.884977
Gm10643	chr8:84063560-84065137	5.2304	4.8623	-0.1053	0.832510
Msantd2	chr9:37489320-37524148	9.2371	9.8679	0.0953	0.795256
Mospd1	chrX:53344597-53370502	4.9664	5.3672	0.1120	0.759786
Rnf219	chr14:104477533-104522666	8.4049	8.1247	-0.0489	0.852874
Zfp119a	chr17:55865203-55878862	9.9522	9.4872	-0.0690	0.849655
March7	chr2:60209886-60250676	30.7065	31.7819	0.0497	0.723473
Gm5963	chr16:35573316-35573556	2.8933	2.2043	-0.3924	0.736898
Mtrf1l	chr10:5811886-5823910	7.9699	7.7279	-0.0445	0.784122
Zbtb6	chr2:37425499-37443171	14.3931	14.0263	-0.0372	0.882654
Hp1bp3	chr4:138216295-138244683	46.3244	47.7217	0.0429	0.492112
Mif	chr10:75859352-75860250	44.1594	47.6172	0.1088	0.827726
Galc	chr12:98202303-98259459	0.6953	0.6215	-0.1619	0.731852
H2afy	chr13:56073618-56136361	42.7752	42.4138	-0.0122	0.860527
Polr3g	chr13:81673842-81711013	6.1546	5.9434	-0.0504	0.838147
Rsb1l	chr5:20893027-20951822	18.4849	18.1187	-0.0289	0.891741
Slc5a6	chr5:31036035-31048924	3.6262	3.4571	-0.0689	0.805575
Gm15446	chr5:109923399-109943936	5.4774	5.8001	0.0826	0.730970
lqcd	chr5:120589015-120607114	1.1698	1.3645	0.2220	0.772412
6330418K02Rik	chr5:138264042-138266661	5.3883	5.8223	0.1118	0.654630
Igflr1	chr7:30565426-30567962	46.7888	45.8642	-0.0288	0.841720
Zfp715	chr7:43296196-43313294	14.3958	14.0846	-0.0315	0.866926
Abhd17c	chr7:84109355-84151893	16.9269	16.3511	-0.0499	0.864089
Tmem80	chr7:141327738-141337156	6.1073	5.8742	-0.0561	0.837337
Yipf2	chr9:21588708-21592831	17.7198	18.5174	0.0635	0.534296
Cnot10	chr9:114585877-114640200	25.2672	26.2333	0.0541	0.609562
Mir1898	chr15:12171491-12171574	14.7229	17.1640	0.2213	0.164119
Top2b	chr14:16365178-16430787	110.2038	108.8482	-0.0179	0.902951
BC003965	chr17:25184560-25187661	13.6373	13.1215	-0.0556	0.875781
Srf	chr17:46546838-46556162	29.2841	28.7875	-0.0247	0.886056
Ubr2	chr17:46928291-47010532	25.1254	24.7906	-0.0194	0.874841
Atl2	chr17:79848391-79896123	9.4133	9.9454	0.0793	0.788012
Cyp20a1	chr1:60343322-60388060	10.6152	11.2372	0.0821	0.757492
Rab3gap1	chr1:127868772-127943868	23.6035	24.4585	0.0513	0.701170
Gas5	chr1:161034421-161038539	105.8425	110.4642	0.0617	0.827273
Rprd1a	chr18:24484961-24530204	4.6169	4.4404	-0.0562	0.822408
Orm3	chr4:63356161-63359511	1.8527	1.6070	-0.2053	0.672398
Gm10306	chr4:94556545-94557078	2.9770	2.4974	-0.2534	0.804741
Fth-ps2	chr6:39653449-39653965	1.3671	1.7427	0.3502	0.688840
Sfxn5	chr6:85213050-85333422	0.3342	0.3906	0.2248	0.732931
Prss36	chr7:127932637-127946725	0.4226	0.3490	-0.2757	0.744899
Tln2	chr9:67217086-67559703	0.0631	0.0838	0.4090	0.743631
Gm4987	chrX:46455886-46456294	4.2555	5.2185	0.2943	0.772082
Rpsa-ps12	chr4:149142496-149143388	0.6434	0.7996	0.3134	0.569892
Gm13854	chr6:33375110-33377446	0.5356	0.7212	0.4293	0.813751
Gm16175	chr7:19809608-19811872	7.9018	6.7928	-0.2182	0.833729
Card10	chr15:78775137-78803042	0.1207	0.1576	0.3853	0.733996
Mrps18a	chr17:46110985-46128910	8.0129	8.4243	0.0722	0.715911
Cpped1	chr16:11803720-11909445	2.3630	2.5235	0.0948	0.717878
Taok1	chr11:77529161-77607815	26.1062	25.7891	-0.0176	0.877777
Akap1	chr11:88830791-88864586	2.7162	2.5622	-0.0842	0.829172
Sap30bp	chr11:115933281-115966725	18.7306	18.4281	-0.0235	0.780929
Asxl2	chr12:3426856-3506852	17.9711	17.7535	-0.0176	0.886930
Rinl	chr7:28788968-28798963	74.2843	77.3915	0.0591	0.787521
Gm26827	chr7:66109514-66173121	11.6067	12.2178	0.0740	0.637957

Dnmt1	chr9:20907205-20959888	74.7182	73.7523	-0.0188	0.901963
Atr	chr9:95857596-95951644	21.4458	21.1219	-0.0220	0.880616
Gm15938	chr15:5175084-5185723	2.4216	2.0297	-0.2547	0.761048
4732491K20Rik	chr17:12318884-12327250	0.3156	0.3894	0.3032	0.735964
Glo1	chr17:30592865-30612659	12.5353	13.3097	0.0865	0.785085
Dusp28	chr1:92906988-92908620	6.0141	6.4990	0.1119	0.728680
Ada	chr2:163726583-163750239	5.8565	6.3128	0.1082	0.749129
Dclre1b	chr3:103800604-103809444	3.3842	3.5549	0.0710	0.709476
Tmem67	chr4:12039354-12090020	0.8861	0.9712	0.1324	0.818699
Sync	chr4:129287616-129308559	1.5460	1.7183	0.1524	0.707564
Gm17231	chr9:5777864-57834295	1.5719	1.8957	0.2702	0.726761
Gm7823	chrX:133093939-133095562	2.2490	2.0100	-0.1621	0.823051
Gm13092	chr4:150315176-150315515	1.9425	1.4738	-0.3984	0.728431
Gm4895	chr10:22153279-22154416	1.3772	1.2319	-0.1607	0.810553
Gm26740	chr10:22187012-22302835	40.2116	39.5407	-0.0243	0.910710
C920009B18Rik	chr10:22306701-22321765	5.0040	5.2675	0.0740	0.785963
L3mbtl3	chr10:26274467-26375185	16.5144	17.1593	0.0553	0.800397
Fyn	chr10:39368854-39565381	114.7588	114.0834	-0.0085	0.901870
Prep	chr10:45067205-45158997	20.8614	20.5261	-0.0234	0.917227
Cep85l	chr10:53278080-53379851	9.3977	9.8242	0.0640	0.650973
Psap	chr10:60277626-60302597	123.5769	122.6205	-0.0112	0.905924
Aifm2	chr10:61715262-61739260	0.8595	0.9436	0.1346	0.801448
Snrpd3	chr10:75518041-75535440	22.8676	21.8393	-0.0664	0.882541
Ggt1	chr10:75561603-75586200	0.9759	1.0986	0.1707	0.805232
R3hdm4	chr10:79910052-79917006	27.0839	28.4207	0.0695	0.783959
Kiss1r	chr10:79916970-79922273	0.6986	0.6114	-0.1923	0.837182
Mob3a	chr10:80685255-80701820	95.5152	98.7993	0.0488	0.752732
Slc39a3	chr10:81028537-81037426	6.9036	7.2493	0.0705	0.757701
Dapk3	chr10:81183006-81193197	19.9751	19.3852	-0.0432	0.880813
Smim24	chr10:81393050-81395392	3.5029	3.9008	0.1552	0.719261
Prdm4	chr10:85891969-85916945	18.4840	19.0659	0.0447	0.593037
Gm15344	chr10:86692118-86693095	59.9169	58.3091	-0.0392	0.830775
Nedd1	chr10:92684745-92722420	14.6471	15.2106	0.0545	0.631895
Ndufa12	chr10:94198954-94221443	19.7475	19.1047	-0.0477	0.843830
Osbp18	chr10:111164801-111297247	45.0765	44.6838	-0.0126	0.918882
Nup107	chr10:117750623-117792705	26.0231	26.9567	0.0509	0.752026
Cdk4	chr10:127063533-127067920	54.6535	56.7176	0.0535	0.780013
Os9	chr10:127094258-127121160	59.7509	61.9591	0.0524	0.744936
Pip4k2c	chr10:127197066-127211622	20.0322	19.7716	-0.0189	0.868640
Ddit3	chr10:127290773-127296288	13.4772	14.2165	0.0770	0.763284
Zc3h10	chr10:128541962-128547774	7.6364	7.9924	0.0657	0.652425
Tmem198b	chr10:128800035-128804370	1.9435	1.8184	-0.0959	0.790406
Nipsnap1	chr11:4873950-4894200	12.3080	12.0938	-0.0253	0.823045
Gm22123	chr11:6472224-6472277	172.1323	163.4710	-0.0745	0.829652
Gm11973	chr11:6475424-6493535	7.3730	7.8886	0.0975	0.767435
Gm22457	chr11:6528032-6528165	21.6276	19.9166	-0.1189	0.811832
Ahsa2	chr11:23487881-23498030	20.8173	20.5117	-0.0213	0.885288
0610010F05Rik	chr11:23564960-23633639	3.0964	2.9689	-0.0607	0.838229
Nprl3	chr11:32225627-32267707	7.6090	7.5060	-0.0197	0.889417
Gm24157	chr11:52099057-52099153	99.2785	107.2862	0.1119	0.785207
Skp1a	chr11:52231994-52246858	67.6820	70.3248	0.0553	0.831714
Hs3st3b1	chr11:63885791-63922290	1.8565	1.7493	-0.0858	0.869683
Gas7	chr11:67455436-67688990	0.1095	0.1346	0.2973	0.791101
2310047M10Rik	chr11:69059774-69061576	11.4108	12.0289	0.0761	0.784780
Mpdu1	chr11:69656696-69662642	21.5691	22.4249	0.0561	0.642561
Gm24029	chr11:69667833-69667976	12.7948	15.1008	0.2391	0.723113
Psmb6	chr11:70525366-70527858	69.1966	71.6044	0.0493	0.671322
Gm19967	chr11:70864659-70872754	0.8787	0.7836	-0.1652	0.632496
C1qbp	chr11:70977835-70983026	18.4487	18.0979	-0.0277	0.902688
NA	chr11:76179670-76214816	8.1564	8.5060	0.0605	0.704472
Myo18a	chr11:77763245-77865980	10.9882	10.8506	-0.0182	0.915029
Pipox	chr11:77880614-77894096	0.3901	0.3273	-0.2535	0.771406
Suz12	chr11:79993105-80034123	41.0609	40.5581	-0.0178	0.914602
Ccl1	chr11:82176656-82305690	0.7404	0.8594	0.2150	0.796908
Ppm1e	chr11:87226905-87359023	0.1163	0.1439	0.3068	0.771607
Srsf1	chr11:88047372-88053755	147.7000	145.6008	-0.0207	0.912798
Coil	chr11:88970251-88991613	6.6578	6.5050	-0.0335	0.831859
Gm20390	chr11:93949818-93968293	111.0227	108.3698	-0.0349	0.917048
Cbx1	chr11:96789126-96808640	19.0679	19.7726	0.0524	0.795143
Zbbp2	chr11:98551096-98558665	2.4299	2.2808	-0.0914	0.833342
Klhl11	chr11:100462613-100472741	15.3414	16.0404	0.0643	0.686564

Cntd1	chr11:101279011-101296317	18.2215	17.8878	-0.0267	0.898748
Becn1	chr11:101285951-101302286	24.2578	25.2083	0.0554	0.791945
Tmub2	chr11:102284930-102289237	16.9882	17.8032	0.0676	0.746902
Kcnh6	chr11:106008123-106034549	0.5703	0.6773	0.2481	0.776457
Gm11646	chr11:106051150-106051852	13.4035	14.5152	0.1149	0.764416
Strada	chr11:106163329-106202168	8.1589	8.5182	0.0622	0.675193
Cep95	chr11:106789251-106819930	15.7241	16.3146	0.0532	0.723846
Nat9	chr11:115182831-115187859	3.5364	3.3812	-0.0647	0.847555
Cep131	chr11:120064429-120086827	1.9867	1.8793	-0.0802	0.851825
Gm23419	chr11:120346735-120346819	52.2463	47.6644	-0.1324	0.839065
Rab10	chr12:3247429-3309969	65.2292	66.9862	0.0383	0.630729
Ttc32	chr12:9029996-9036394	5.8212	6.2671	0.1065	0.795588
Taf1b	chr12:24498580-24558571	29.1197	30.2855	0.0566	0.688126
Trappc12	chr12:28690628-28750453	19.9074	20.5971	0.0491	0.592977
Tssc1	chr12:28751827-28867491	24.9045	24.4780	-0.0249	0.839622
Bcap29	chr12:31595353-31634658	10.6437	11.2772	0.0834	0.759887
Scin	chr12:40059768-40134228	2.3380	2.5213	0.1089	0.821131
Gm17056	chr12:40198655-40201105	0.4482	0.5277	0.2357	0.708519
Strn3	chr12:51608540-51691914	24.1309	24.8977	0.0451	0.688314
Dtd2	chr12:51988311-52006501	3.1803	3.3824	0.0889	0.669716
Gm20403	chr12:54986157-54986529	1.7566	1.4721	-0.2549	0.670585
Gemin2	chr12:59013392-59028470	7.7264	8.1659	0.0798	0.830075
Rpl36al	chr12:69182730-69184083	12.0558	12.6844	0.0733	0.664590
L2hgdh	chr12:69690435-69724874	3.0805	2.9413	-0.0667	0.848280
Ccdc175	chr12:72101291-72185029	0.5299	0.4553	-0.2188	0.784773
Fntb	chr12:76765588-76921412	6.6052	6.4019	-0.0451	0.841038
Max	chr12:76937268-76962248	48.8012	48.3071	-0.0147	0.864590
Dcaf5	chr12:80335846-80436601	27.3421	27.0088	-0.0177	0.861876
Dlst	chr12:85110832-85134091	46.0901	47.6928	0.0493	0.746446
Mlh3	chr12:85234528-85270591	7.7393	7.5862	-0.0288	0.840145
Angel1	chr12:86700501-86726460	1.8058	1.6968	-0.0899	0.802591
Tdp1	chr12:99884516-99955219	3.1096	3.2932	0.0828	0.826114
Ccdc85c	chr12:108206344-108275417	1.3097	1.1441	-0.1951	0.822311
Zfp839	chr12:110850278-110869998	2.6478	2.5249	-0.0686	0.861834
Crip2	chr12:113140235-113145504	1.1768	1.3685	0.2177	0.753748
Cdca7l	chr12:117804288-117878706	22.3576	23.1881	0.0526	0.659810
Rala	chr13:17880574-17944239	14.7339	14.4114	-0.0319	0.905260
4930558J22Rik	chr13:23756202-23757620	4.1045	3.8205	-0.1035	0.807953
Tdp2	chr13:24831678-24842153	25.2941	26.4090	0.0622	0.713495
Sirt5	chr13:43370709-43395202	12.1364	11.6653	-0.0571	0.863333
Jarid2	chr13:44729473-44921643	15.9037	16.4466	0.0484	0.685229
Fam120a	chr13:48879218-48968017	79.3614	78.5855	-0.0142	0.898557
Higd2a	chr13:54590206-54591158	49.4579	48.0997	-0.0402	0.891438
B4galt7	chr13:55599895-55610443	10.7921	10.4620	-0.0448	0.853196
Fbxl21	chr13:56522471-56537898	0.2830	0.2470	-0.1961	0.840495
Hnrnpa0	chr13:58125878-58128556	52.4953	51.7135	-0.0216	0.914877
Zcchc6	chr13:59771878-59823147	45.5369	46.8863	0.0421	0.744438
Mterf3	chr13:66906967-66933088	11.1682	11.0123	-0.0203	0.870611
4930525G20Rik	chr13:67796593-67830985	0.8759	0.7808	-0.1658	0.841916
Mrpl36	chr13:73331008-73332175	37.4447	36.3766	-0.0418	0.865584
Clptm1l	chr13:73604001-73620639	79.0890	78.3249	-0.0140	0.927324
Mrps27	chr13:99344785-99415561	8.9956	8.6428	-0.0577	0.833173
Mocs2	chr13:114818243-114829006	11.4853	11.2713	-0.0271	0.794927
Krit1	chr5:3803164-3844515	22.0118	21.7934	-0.0144	0.914944
Pmpcb	chr5:21737140-21757152	17.3145	17.1090	-0.0172	0.909791
Nupl2	chr5:24164962-24184013	3.0981	2.9239	-0.0835	0.846299
2900005J15Rik	chr5:25100982-25110109	1.6907	1.5821	-0.0958	0.844738
Whsc1	chr5:33820724-33897975	12.4481	12.8484	0.0457	0.742836
Mxd4	chr5:34173886-34187720	65.4055	67.7395	0.0506	0.815901
Sh3bp2	chr5:34525837-34563638	6.8304	6.6621	-0.0360	0.857581
Cpeb2	chr5:43233462-43289724	1.9889	1.8956	-0.0693	0.867637
Lrrc66	chr5:73606642-73632505	0.8669	0.9705	0.1629	0.769657
Lnx1	chr5:74592445-74702911	2.8431	2.7371	-0.0548	0.861337
Srp72	chr5:76974682-76999937	28.8924	29.7884	0.0441	0.706542
Utp3	chr5:88554482-88556083	44.8235	43.9825	-0.0273	0.899818
Rufy3	chr5:88583573-88642671	1.9977	2.1568	0.1105	0.821300
Fam175a	chr5:100805191-100820965	8.6311	9.0601	0.0700	0.728838
Wdfy3	chr5:101832955-102069921	0.0585	0.0431	-0.4420	0.803821
Fam69a	chr5:107908052-107987085	16.1736	16.7931	0.0542	0.759416
Mtf2	chr5:108065673-108109004	25.6868	26.5247	0.0463	0.677850
Myo1h	chr5:114314940-114364576	10.2819	10.6850	0.0555	0.722991

Ccdc63	chr5:122108039-122138957	0.3022	0.3712	0.2967	0.807052
Ogfod2	chr5:124112296-124115483	8.5765	8.3067	-0.0461	0.756236
Slc15a4	chr5:127595663-127632897	5.3317	5.2133	-0.0324	0.876608
Dtx2	chr5:135994799-136032872	3.4962	3.4024	-0.0392	0.837451
Ift22	chr5:136908149-136913244	2.5803	2.8726	0.1548	0.682560
Cyth3	chr5:143622446-143710250	16.9371	17.5306	0.0497	0.706813
Polr1d	chr5:147077049-147111361	30.1157	31.5212	0.0658	0.809173
A430035B10Rik	chr6:8488794-8510430	1.4090	1.5392	0.1275	0.809703
Gm26738	chr6:17834584-17835185	1.5067	1.8115	0.2658	0.754528
Ndufb2	chr6:39592573-39603382	4.7340	4.5761	-0.0489	0.841265
Trbv12-2	chr6:41118863-41119364	42.2531	44.7819	0.0839	0.747661
Trbd1	chr6:41533200-41533212	725.9627	696.9206	-0.0589	0.771675
Trbj1-3	chr6:41534322-41534376	177.1207	168.1734	-0.0748	0.827858
4921507P07Rik	chr6:50573301-50596632	1.3568	1.2617	-0.1048	0.697897
Nap1i5	chr6:58905233-58907126	0.3524	0.4300	0.0269	0.765051
Il23r	chr6:67422931-67491855	0.6876	0.8095	0.2354	0.733659
Krcc1	chr6:71272018-71285318	54.7086	53.4180	-0.0344	0.895787
Stambp	chr6:83543205-83572504	2.8801	3.1300	0.1201	0.757100
Eefsec	chr6:88257333-88446539	15.8303	16.4706	0.0572	0.641326
Chchd6	chr6:89383145-89595652	1.5878	1.3589	-0.2246	0.738622
Vhl	chr6:113623958-113631633	13.9567	13.6433	-0.0328	0.881327
Adipor2	chr6:119353149-119417483	48.7710	48.1242	-0.0193	0.889081
Rad52	chr6:119902697-119922828	10.3196	10.1078	-0.0299	0.881795
Pex26	chr6:121183666-121198837	2.0770	2.2277	0.1010	0.738925
Ptpn6	chr6:124720706-124738714	78.8384	81.6763	0.0510	0.778732
Lrrc23	chr6:124769862-124779727	2.5155	2.3525	-0.0966	0.813857
Ndufa9	chr6:126821862-126849144	44.8663	46.6195	0.0553	0.626647
Tulp3	chr6:128321139-128355851	0.3265	0.2985	-0.1295	0.682726
Clec2i	chr6:128887587-128898167	40.3385	39.7288	-0.0220	0.892584
Mansc1	chr6:134609209-134632488	2.4440	2.6362	0.1092	0.701981
Leng9	chr7:4148182-4149872	7.2126	6.8622	-0.0718	0.866247
Zfp628	chr7:4915216-4922003	3.6224	3.4166	-0.0844	0.853247
Zfp418	chr7:7171329-7183562	2.3899	2.2544	-0.0842	0.823500
Zfp772	chr7:7202121-7209998	1.8964	2.0453	0.1090	0.662494
Zbtb45	chr7:13004935-13009822	7.9039	7.5955	-0.0574	0.872485
Myopos	chr7:18993552-19001222	12.6087	13.6570	0.1152	0.719939
Fbxo46	chr7:19119858-19138261	12.9123	12.5558	-0.0404	0.863903
Gm16184	chr7:19911824-19912397	3.6127	3.2101	-0.1705	0.797416
Zfp61	chr7:24291038-24301232	5.0723	4.9268	-0.0420	0.811180
Ccdc97	chr7:25711105-25719088	6.8207	6.6319	-0.0405	0.859064
Sertad3	chr7:27473767-27477359	12.7513	13.4876	0.0810	0.609797
Capn12	chr7:28881655-28893585	3.2603	3.1010	-0.0722	0.889677
Wdr62	chr7:30240137-30280419	1.5484	1.4743	-0.0707	0.822631
Gm17104	chr7:30564736-30565356	42.9115	41.0927	-0.0625	0.864655
Ankrd27	chr7:35586246-35639237	17.6381	18.3262	0.0552	0.634640
Gm26856	chr7:49856161-49857600	6.5682	6.2242	-0.0776	0.825317
Trpm1	chr7:64153834-64269775	0.8141	0.8779	0.1089	0.815544
Fan1	chr7:64346757-64374095	3.0735	3.2582	0.0842	0.753092
Prkrir	chr7:98703102-98718062	41.9567	41.2970	-0.0229	0.900173
Ppme1	chr7:100326736-100371896	16.7887	16.4359	-0.0306	0.864861
Fchsdl	chr7:101108774-101284405	5.9329	6.2083	0.0654	0.826849
Lamtor1	chr7:101905836-101911901	30.5110	29.6991	-0.0389	0.874081
Lrrc51	chr7:101912983-101933895	3.5776	3.9634	0.1477	0.718481
Trim12c	chr7:104338753-104353362	27.3403	28.2640	0.0479	0.735544
Tmem41b	chr7:109972186-109986929	2.7447	2.9146	0.0867	0.727694
Far1os	chr7:113530488-113564987	6.3028	5.8925	-0.0971	0.845505
Ccp110	chr7:118712551-118737024	4.6764	4.5457	-0.0409	0.881389
9030624J02Rik	chr7:118740225-118842966	11.7854	12.1513	0.0441	0.617852
Acsm3	chr7:119760922-119787513	1.6042	1.7076	0.0902	0.649759
Cln3	chr7:126571206-126585817	10.4992	10.8761	0.0509	0.679123
Prr14	chr7:127459610-127476759	13.8065	14.4203	0.0628	0.765112
Dhx32	chr7:133720941-133782726	6.4788	6.3386	-0.0316	0.867689
Rassf7	chr7:141215859-141218658	5.6255	6.0045	0.0941	0.774348
Tmco3	chr8:13288012-13322924	4.3060	4.1688	-0.0467	0.743994
Rpl19-ps11	chr8:19492905-19493623	11.6561	11.0462	-0.0775	0.767953
Gm16933	chr8:25037051-25041757	21.9996	22.9676	0.0621	0.736896
Pomk	chr8:25980603-25994121	6.2912	6.6889	0.0884	0.790119
Micu3	chr8:40307457-40386308	3.6134	3.8038	0.0741	0.764682
Mttr7	chr8:40551094-40634797	4.1180	3.9506	-0.0599	0.883043
Pcm1	chr8:41239758-41334086	24.4351	24.1846	-0.0149	0.919573
Ufsp2	chr8:45975527-45996958	14.5887	14.2673	-0.0321	0.861269

Sap30	chr8:57482706-57487860	4.4643	4.1391	-0.1091	0.817887
Tmem161a	chr8:70172355-70183681	8.4662	8.8667	0.0667	0.774861
Slc25a42	chr8:70184339-70212305	0.9829	1.0626	0.1125	0.587032
Comp	chr8:70373547-70382065	0.3764	0.4539	0.2701	0.774508
Arrdc2	chr8:70835154-70839720	7.8898	8.3124	0.0753	0.741942
Ano8	chr8:71476022-71486067	7.6773	7.4577	-0.0419	0.889666
Gtpbp3	chr8:71488102-71499583	7.8958	7.6749	-0.0409	0.895628
Jak3	chr8:71676295-71690575	40.2229	42.1286	0.0668	0.853208
Tmem38a	chr8:72572102-72587282	0.8542	0.7658	-0.1577	0.362291
Gm5353	chr8:76862255-76863048	3.3573	3.0838	-0.1226	0.814729
Prmt10	chr8:77549396-77581338	10.6076	10.9904	0.0511	0.739606
Ddx39	chr8:83715176-83726892	53.3087	52.7519	-0.0151	0.903754
Dand5	chr8:84815404-84822823	2.4452	2.7161	0.1516	0.780075
Dus2	chr8:105991336-106053840	8.0922	7.8814	-0.0381	0.860881
Gm10073	chr8:106572965-106573461	4.2239	3.7802	-0.1601	0.780292
Cog4	chr8:110846599-110882227	18.2270	18.0277	-0.0159	0.905892
Glg1	chr8:111154420-111259216	30.5765	31.5373	0.0446	0.660127
Tldc1	chr8:119760586-119778416	6.3002	6.0266	-0.0641	0.872538
Spg7	chr8:123062941-123097760	14.8862	14.6200	-0.0260	0.886706
Afg3l1	chr8:123477902-123503916	8.2874	8.6341	0.0591	0.725919
2810004N23Rik	chr8:124839354-124863029	23.8876	25.0076	0.0661	0.763564
Med17	chr9:15260351-15279867	17.6148	17.3313	-0.0234	0.858781
Zfp26	chr9:20432971-20460162	19.0787	18.8798	-0.0151	0.922975
Mrpl4	chr9:21002736-21008835	22.7434	22.1650	-0.0372	0.822209
Tyk2	chr9:21104068-21127346	37.6581	37.1672	-0.0189	0.927302
Tmed1	chr9:21507379-21510186	5.9576	6.3340	0.0884	0.781837
Bbs9	chr9:22475714-22888280	4.0421	4.2470	0.0713	0.774970
Hmbs	chr9:44336349-44344228	11.5512	11.2129	-0.0429	0.854103
Il10ra	chr9:45253836-45269149	48.3271	50.1971	0.0548	0.830181
Dlat	chr9:50634632-50659780	10.0136	9.7952	-0.0318	0.879685
Idh3a	chr9:54586510-54604661	29.0574	28.5739	-0.0242	0.881624
Peak1	chr9:56201130-56418050	5.7462	5.5884	-0.0402	0.914467
Arid3b	chr9:57790352-57836793	2.7347	2.8617	0.0655	0.492914
Gm10642	chr9:70656250-70657860	9.9614	9.6386	-0.0475	0.818893
Mapk6	chr9:75369061-75410005	15.7321	15.5872	-0.0133	0.889590
Tmem30a	chr9:79768942-79793507	36.0260	37.3128	0.0506	0.699693
Bckdhd	chr9:83925149-84124239	4.3188	4.6421	0.1041	0.708513
Dopey1	chr9:86485406-86555806	16.6000	16.3813	-0.0191	0.893077
Rwdd2a	chr9:86572052-86574896	1.6406	1.8182	0.1483	0.691546
Snhg5	chr9:88521051-88522929	45.3442	47.2624	0.0598	0.750046
Gm16262	chr9:94695703-94702319	0.9052	0.8001	-0.1782	0.821841
Tfdp2	chr9:96196274-96323646	6.6223	6.4808	-0.0312	0.883411
Poc1a	chr9:106281060-106349891	6.0701	5.7470	-0.0789	0.800270
4930524O07Rik	chr9:106892170-106895182	1.3152	1.5164	0.2053	0.768351
Gm20662	chr9:107996348-108045270	30.2594	31.2745	0.0476	0.658248
Apeh	chr9:108085416-108094480	32.4881	32.0185	-0.0210	0.920911
Rhoa	chr9:108306204-108337939	51.0833	53.0159	0.0536	0.777876
Gm10615	chr9:110117702-110119916	2.6538	2.4611	-0.1088	0.840047
Tgfb2	chr9:116087697-116175363	51.9618	51.6398	-0.0090	0.887580
Eif1b	chr9:120492605-120495327	46.3310	45.5459	-0.0247	0.836659
Sec22c	chr9:121680046-121705490	6.3369	6.1863	-0.0347	0.898530
Bcor	chrX:12036739-12160355	20.4291	20.2199	-0.0148	0.925182
Syn1	chrX:20860510-20921004	1.1336	1.2633	0.1563	0.817739
C1galt1c1	chrX:38630784-38635087	13.3880	12.9911	-0.0434	0.865187
Sash3	chrX:48146435-48161565	196.4182	194.9119	-0.0111	0.909315
Zfp275	chrX:73342620-73359080	16.4153	16.9632	0.0474	0.717275
Irak1	chrX:74013913-74023918	22.5737	22.3113	-0.0169	0.899034
Gm7061	chrX:94772615-94774034	1.1077	0.9474	-0.2255	0.805865
Taf1	chrX:101532733-101601789	27.8203	27.4943	-0.0170	0.894674
Rlim	chrX:103957162-103981284	35.5689	35.2962	-0.0111	0.925435
Mospd2	chrX:164936168-164980375	3.0877	3.2552	0.0762	0.789464
Hccs	chrX:169250192-169320372	8.3640	8.7039	0.0575	0.781757
Oxct1	chr15:4026382-4155344	36.2327	37.6241	0.0544	0.784712
Ranbp3l	chr15:8968425-9066551	0.1931	0.2466	0.3525	0.778167
Capsl	chr15:9436027-9466035	3.6443	3.3713	-0.1124	0.651391
Dnajc21	chr15:10446755-10470516	7.6563	8.0410	0.0707	0.771673
Rad1	chr15:10486017-10499063	4.5319	4.4289	-0.0332	0.868967
Fam173b	chr15:31601851-31621227	4.5582	4.4429	-0.0370	0.859431
Cox6c	chr15:35925885-35938246	26.7963	27.8383	0.0550	0.839248
Azin1	chr15:38487429-38519266	35.9744	37.1279	0.0455	0.779955
Ext1	chr15:53064037-53346159	10.0154	9.8468	-0.0245	0.886793

Ly6k	chr15:74796873-74799986	1.9805	1.7016	-0.2190	0.836112
Oplah	chr15:76296596-76328015	2.2234	2.1293	-0.0624	0.846481
Cyhr1	chr15:76643394-76660117	12.5726	13.0514	0.0539	0.775039
Recql4	chr15:76703552-76710559	3.6800	3.5028	-0.0712	0.875577
Lrrc14	chr15:76710622-76717699	5.4222	5.2702	-0.0410	0.891213
Myh9	chr15:77760586-77842175	239.7186	237.9216	-0.0109	0.947600
C1qtnf6	chr15:78523345-78529625	3.5483	3.4055	-0.0593	0.791505
Pla2g6	chr15:79286227-79328390	3.1038	2.9863	-0.0557	0.799189
Maff	chr15:79347540-79359072	0.9455	1.0597	0.1646	0.780283
Parvg	chr15:84324025-84342978	47.8473	49.5386	0.0501	0.827386
Ncaph2	chr15:89355718-89372826	40.3738	41.6342	0.0443	0.689907
Yaf2	chr15:93284277-93336935	15.8369	16.7490	0.0808	0.819548
Zcrb1	chr15:93386096-93398334	13.8621	13.5918	-0.0284	0.834983
Acvr1b	chr15:101174103-101213678	8.6510	8.5110	-0.0235	0.867307
Esp1	chr15:102296292-102324356	3.8786	4.1423	0.0949	0.850865
Vcl	chr14:20929432-21033673	3.9662	3.8580	-0.0399	0.887824
9930004E17Rik	chr14:26670009-26670507	1.4625	1.8307	0.3239	0.786614
Snord19	chr14:31016205-31016281	30.5793	26.0989	-0.2286	0.819219
Phf7	chr14:31237695-31251218	7.8791	8.3446	0.0828	0.783470
Gm15601	chr14:45587739-45598512	2.5301	2.4330	-0.0565	0.747931
Gm6055	chr14:48079135-48079806	2.7720	2.4566	-0.1743	0.770607
Tepl	chr14:50824061-50870560	7.4029	7.7003	0.0568	0.710985
Gm26782	chr14:50870363-50879003	5.9662	5.6535	-0.0777	0.866268
Trav13-2	chr14:53634828-53635398	2.7342	2.2581	-0.2760	0.701740
Traj18	chr14:54200776-54200842	44.9561	50.6540	0.1722	0.798921
Lrp10	chr14:54464163-54471497	66.9130	65.7841	-0.0245	0.930817
Nop9	chr14:55745692-55755500	14.7017	15.2320	0.0511	0.770634
Sdr39u1	chr14:55897285-55900232	48.3587	50.1644	0.0529	0.212153
Mir719	chr14:60228805-60228915	89.5274	95.9103	0.0994	0.753763
Spata13	chr14:60634000-60764556	62.1574	61.8629	-0.0069	0.944278
Cysltr2	chr14:73029127-73049114	9.0906	9.5487	0.0709	0.764374
Lrch1	chr14:74754673-74947877	18.1240	18.7625	0.0499	0.494482
Rbm26	chr14:105106750-105177327	19.9552	20.5605	0.0431	0.689034
Ndfip2	chr14:105258572-105309298	5.6110	5.5167	-0.0245	0.868026
Uggt2	chr14:118985038-119099430	0.1328	0.1542	0.2156	0.806200
Sytl3	chr17:6673457-6738042	1.7265	1.8960	0.1351	0.792496
Mpc1	chr17:8282903-8297661	3.5986	3.4405	-0.0648	0.785283
Tbp	chr17:15499887-15528379	9.1055	9.4263	0.0499	0.613075
Pdcd2	chr17:15519207-15527301	20.1780	19.7998	-0.0273	0.861777
Prdm9	chr17:15543078-15564354	1.2944	1.4196	0.1332	0.833522
Zfp948	chr17:21567045-21588697	7.3137	7.0873	-0.0454	0.834936
Flywch1	chr17:23755422-23771591	9.1780	9.5903	0.0634	0.743558
Spsb3	chr17:24886642-24892152	21.7884	22.7022	0.0593	0.706397
Haghl	chr17:25779842-25785673	10.6023	11.0512	0.0598	0.355849
Nme4	chr17:26091733-26095508	1.3476	1.5118	0.1659	0.671054
Luc7l	chr17:26252909-26285504	18.3173	18.8928	0.0446	0.670863
Hba-ps4	chr17:26286362-26287061	1.8920	1.5538	-0.2842	0.739959
Zbtb9	chr17:26973166-26976205	26.1231	25.8377	-0.0158	0.807107
Cyp4f41-ps	chr17:32950960-32965700	0.4006	0.3191	-0.3281	0.818320
Gm20496	chr17:34199315-34205449	196.9404	203.4484	0.0469	0.635306
H2-Aa	chr17:34282743-34287827	6.8111	7.2261	0.0853	0.797459
Gpsm3	chr17:34589805-34591754	56.9624	56.0215	-0.0240	0.896966
Mad2l1bp	chr17:46147389-46153553	12.8642	12.4795	-0.0438	0.876896
Gm26785	chr17:46273478-46280060	0.9421	1.0858	0.2047	0.822122
Uhrf1	chr17:56303320-56323486	19.3955	20.2063	0.0591	0.809850
Rpl36	chr17:56613394-56614243	10.3788	11.3276	0.1262	0.782514
Lonp1	chr17:56614300-56626903	29.5997	30.6452	0.0501	0.542073
Gpr108	chr17:57234913-57247641	30.6855	30.2414	-0.0210	0.854333
Vav1	chr17:57279099-57328031	61.6163	61.2699	-0.0081	0.869169
Ppp4r1	chr17:65782572-65841926	11.4364	11.8946	0.0567	0.715133
Qpct	chr17:79051905-79090243	0.6721	0.7848	0.2236	0.774053
Srbd1	chr17:85984664-86145175	13.6609	14.3541	0.0714	0.816232
Socs5	chr17:87107678-87137583	10.0415	9.7960	-0.0357	0.861766
Zfp263	chr16:3744092-3750790	23.7277	23.4269	-0.0184	0.839961
Nudt16l1	chr16:4939110-4941020	21.6093	21.0293	-0.0393	0.796468
Rsl1d1	chr16:11192969-11203331	75.3973	74.2167	-0.0228	0.924264
Gm15950	chr16:13919426-13921399	1.9215	1.7572	-0.1289	0.804395
Mzt2	chr16:15848440-15863369	5.1177	4.8536	-0.0764	0.725861
Rpl26-ps4	chr16:17711667-17712105	2.4668	2.8651	0.2160	0.808174
Camk2n2	chr16:20619214-20621287	1.0551	0.8740	-0.2717	0.815934
Dnajb11	chr16:22857844-22879634	39.2523	38.7673	-0.0179	0.900659

Eif4a2	chr16:23107443-23114136	106.6857	110.4873	0.0505	0.824270
Lrch3	chr16:32914099-33015647	27.5126	27.1845	-0.0173	0.889351
D930030I03Rik	chr16:38451981-38453493	4.1878	4.5786	0.1287	0.812925
2610015P09Rik	chr16:43889799-43964314	2.7885	2.6899	-0.0519	0.722950
Naa50	chr16:44139829-44163366	17.1309	16.7525	-0.0322	0.913781
Trmt10c	chr16:56032608-56037819	21.7736	22.8550	0.0699	0.798173
Hspa13	chr16:75755189-75766821	7.4826	7.3056	-0.0345	0.813447
D16Ertd472e	chr16:78544011-78576657	27.6005	28.6821	0.0555	0.741850
Usp16	chr16:87454702-87483517	9.5744	9.9358	0.0535	0.742583
1810055G02Rik	chr19:3708332-3717881	2.1006	2.3078	0.1358	0.606927
Ssh3	chr19:4261667-4269172	6.1957	5.9564	-0.0568	0.820751
Ankrd13d	chr19:4270179-4283137	1.8382	1.7234	-0.0931	0.791335
Adrbk1	chr19:4286000-4306222	101.3977	100.4321	-0.0138	0.931737
Gm21992	chr19:4742912-4811612	19.5548	19.3111	-0.0181	0.842192
Rbm4	chr19:4784292-4793901	25.5877	25.3017	-0.0162	0.917438
Zfp1	chr19:6076486-6084944	12.1193	11.7891	-0.0399	0.835121
Gm23246	chr19:8725593-8725660	27.3949	31.4927	0.2011	0.778229
Minpp1	chr19:32485768-32515370	22.6438	22.1239	-0.0335	0.875799
1500017E21Rik	chr19:36614051-36705641	1.0659	0.9555	-0.1578	0.833960
Cep55	chr19:38055024-38074425	11.3330	11.8969	0.0700	0.821672
Poll	chr19:45552274-45560531	7.2624	7.6844	0.0815	0.709909
Npm3	chr19:45747733-45749591	22.0515	21.1690	-0.0589	0.900907
Gm15491	chr19:45749507-45752310	73.8455	76.9550	0.0595	0.761642
Nt5c2	chr19:46886830-47015153	9.5235	9.3374	-0.0285	0.872438
Gm19557	chr19:47512981-47516578	4.3887	4.6936	0.0969	0.778973
Add3	chr19:53140444-53247399	69.0834	68.5635	-0.0109	0.938901
Ly96	chr1:16688455-16709605	8.1052	8.7525	0.1108	0.648549
Tmem14a	chr1:21218574-21230167	3.4194	3.7579	0.1362	0.823770
Gm21909	chr1:21312516-21316320	4.6136	4.0299	-0.1952	0.786499
Rab23	chr1:33719881-33742564	1.4235	1.5146	0.0895	0.680380
Neurl3	chr1:36264601-36273425	32.9660	34.2158	0.0537	0.636356
Myo1b	chr1:51749764-51916071	0.0706	0.0888	0.3320	0.766685
Orc2	chr1:58462770-58505109	15.8987	15.5044	-0.0362	0.908033
Pecr	chr1:72259166-72284314	1.5243	1.7871	0.2295	0.724813
Farsb	chr1:78417957-78488859	36.9450	38.4299	0.0569	0.779877
Gm17017	chr1:85641221-85650585	2.2603	2.4836	0.1359	0.733591
Snora75	chr1:86351168-86351301	15.1348	12.9003	-0.2305	0.851843
Gm6136	chr1:86908761-86909703	2.1951	1.9297	-0.1859	0.722283
Eif4e2	chr1:87213913-87240488	14.5382	14.2957	-0.0243	0.883985
Sag	chr1:87803679-87845158	0.6328	0.6833	0.1106	0.763507
Pask	chr1:93308769-93343482	2.3070	2.2388	-0.0433	0.818490
Ccdc93	chr1:121431048-121506460	7.3347	7.2575	-0.0153	0.870744
Faim3	chr1:130865668-130880790	1.7935	2.0266	0.1763	0.816950
6030442K20Rik	chr1:132466432-132477045	1.2624	1.1484	-0.1365	0.786869
Camsap2	chr1:136268122-136346104	8.5308	8.8785	0.0576	0.763794
Ptprc	chr1:138062860-138175706	601.3081	596.0958	-0.0126	0.920661
Gm16304	chr1:139133890-139134665	1.6585	1.9348	0.2223	0.671131
Swf1	chr1:151367698-151428455	6.3400	6.6152	0.0613	0.780039
Tnfsf4	chr1:161395408-161418410	3.3320	3.0549	-0.1253	0.874215
4930500M09Rik	chr1:170214859-170215556	5.2757	5.9370	0.1704	0.829896
Ndufs2	chr1:171234852-171247122	67.8142	67.1189	-0.0149	0.884513
Usf1	chr1:171411312-171419142	19.3027	19.9941	0.0508	0.319587
B020018G12Rik	chr1:175977776-175979114	1.7723	1.5719	-0.1732	0.770983
Cep170	chr1:176733652-176807124	8.7187	8.6165	-0.0170	0.650106
Sdccag8	chr1:176814659-177020437	9.4710	9.8357	0.0545	0.609917
Gpatch2	chr1:187215507-187351704	7.2460	7.0999	-0.0294	0.872759
Nenf	chr1:191306788-191318194	7.1604	8.8099	0.2991	0.704274
Lpgat1	chr1:191717833-191784255	9.6751	9.5371	-0.0207	0.865477
Slc30a1	chr1:191906766-191913247	7.5880	7.9330	0.0642	0.782720
Gm24959	chr18:20844446-20844592	6.4242	5.3117	-0.2743	0.739567
Pik3c3	chr18:30272746-30348126	18.1020	18.8148	0.0557	0.781548
Eif4ebp3	chr18:36664059-36665917	20.6088	19.6361	-0.0698	0.842281
Hars2	chr18:36783007-36792562	11.7712	11.5703	-0.0248	0.902422
Cep120	chr18:53681723-53744547	19.5825	20.3715	0.0570	0.777108
Gnal	chr18:67088335-67226792	9.6217	10.0609	0.0644	0.753683
B430212C06Rik	chr18:67321208-67344103	0.7012	0.6480	-0.1138	0.728658
Psmg2	chr18:67641598-67654162	24.3662	23.7869	-0.0347	0.845396
Poli	chr18:70508679-70530620	9.9595	9.7667	-0.0282	0.660561
Gm26202	chr18:75001879-75001944	25.4893	29.8679	0.2287	0.825770
Hspa14	chr2:3488849-3512814	15.0316	15.5108	0.0453	0.660423
Gm13256	chr2:9877255-9878869	6.9664	7.6993	0.1443	0.819756

4930426L09Rik	chr2:18998342-18999801	1.3691	1.2310	-0.1534	0.810084
Gm13331	chr2:23508859-23509307	12.0294	11.2037	-0.1026	0.845985
Abca2	chr2:25428702-25448540	20.3606	21.2509	0.0617	0.842959
Trub2	chr2:29761223-29788502	6.4346	6.6856	0.0552	0.566870
Asb6	chr2:30823096-30830333	9.3890	9.2734	-0.0179	0.853008
Tor1a	chr2:30960626-30967933	17.4815	18.3012	0.0661	0.810957
Fnbp1	chr2:31026205-31142008	24.1081	23.7972	-0.0187	0.899559
Gm13443	chr2:35340360-35341316	0.8652	0.7149	-0.2753	0.839770
Nek6	chr2:38511642-38588041	1.4419	1.3337	-0.1125	0.826558
Ppp6c	chr2:39194353-39226451	22.3116	23.1799	0.0551	0.810465
Prpf40a	chr2:53134703-53191284	28.3108	28.0031	-0.0158	0.894995
B3galt1	chr2:67748211-68122689	0.1820	0.1424	-0.3542	0.824094
Ppig	chr2:69722544-69754012	10.3304	10.6731	0.0471	0.622167
1110051M20Rik	chr2:91275067-91444704	9.2571	9.6010	0.0526	0.605764
Zfp408	chr2:91643668-91649791	8.0664	7.9135	-0.0276	0.853840
Cry2	chr2:92403645-92434043	3.0945	2.9843	-0.0523	0.851710
4921507L20Rik	chr2:93980033-93983575	1.3742	1.5354	0.1600	0.771310
Commd9	chr2:101886246-101901646	6.4953	6.1966	-0.0679	0.864312
Rpusd2	chr2:119034789-119039769	2.8593	2.7188	-0.0727	0.861639
Gm22953	chr2:121450669-121450770	27.9692	25.5963	-0.1279	0.719790
Myef2	chr2:125084627-125123661	6.8052	7.1430	0.0699	0.774663
Gabpb1	chr2:126627441-126676337	11.2519	11.6685	0.0524	0.735172
Vps16	chr2:130424338-130444269	39.5339	40.7942	0.0453	0.666924
A730017L22Rik	chr2:130873058-130906396	2.0827	2.0147	-0.0479	0.791040
Crnk1	chr2:145917478-145935014	26.8313	26.4979	-0.0180	0.869658
Cd93	chr2:148436639-148443563	0.3900	0.4437	0.1862	0.828864
Raly	chr2:154791095-154867261	86.4326	85.6659	-0.0129	0.931394
Aar2	chr2:156547583-156568972	10.1406	9.9361	-0.0294	0.892963
Rpn2	chr2:157279016-157326319	56.3338	58.0995	0.0445	0.656077
Slc35c2	chr2:165276553-165287869	9.9397	9.7362	-0.0298	0.865493
Pfdn4	chr2:170496427-170519123	7.8457	7.5679	-0.0520	0.887157
Ppp4r1-ps	chr2:173579319-173659640	2.1012	2.2301	0.0859	0.806195
Stx16	chr2:174076307-174099771	26.6443	26.3174	-0.0178	0.911673
Mir3091	chr2:180257535-180257611	9.1630	7.3414	-0.3198	0.788164
Rgs19	chr2:181688418-181693977	36.9827	36.3916	-0.0232	0.870870
mt-Th	chrM:11545-11612	21.5628	18.8879	-0.1911	0.783535
mt-Ts2	chrM:11612-11671	34.9820	31.2954	-0.1607	0.848604
C030034L19Rik	chr3:9403063-9437233	0.9898	1.0950	0.1458	0.853346
Zfand1	chr3:10339952-10351317	2.8902	2.7767	-0.0578	0.857665
Pde7a	chr3:19223107-19311322	16.4362	16.2666	-0.0150	0.912703
Skil	chr3:31095057-31122577	30.2739	30.0669	-0.0099	0.911416
Ccdc39	chr3:33812361-33844310	3.3821	3.2859	-0.0416	0.883807
Anxa5	chr3:36448924-36475843	59.4912	58.8760	-0.0150	0.850033
Jade1	chr3:41555733-41616862	12.3654	12.8092	0.0509	0.455041
5031434O11Rik	chr3:51559756-51567117	2.2182	2.3867	0.1056	0.751822
Med12l	chr3:59006977-59318410	0.3398	0.3741	0.1386	0.757554
P2ry14	chr3:59114625-59130624	1.6368	1.4872	-0.1383	0.811888
4931440P22Rik	chr3:65507256-65529379	0.3685	0.4401	0.2563	0.779077
Smc4	chr3:69004737-69034623	283.5738	279.4876	-0.0209	0.925984
Trim59	chr3:69035287-69044755	22.8476	22.2558	-0.0379	0.899140
Map9	chr3:82358071-82395268	0.7852	0.7199	-0.1253	0.890018
Plrg1	chr3:83055521-83072355	31.6613	32.7603	0.0492	0.771977
Pmf1	chr3:88394142-88410316	20.3470	21.4445	0.0758	0.696711
Fdps	chr3:89093591-89101967	17.0678	16.4819	-0.0504	0.853645
Thbs3	chr3:89215179-89226837	0.9474	1.0340	0.1261	0.816435
Gm10702	chr3:89353628-89354898	1.0163	1.1755	0.2099	0.711065
Pbxip1	chr3:89436705-89450952	48.2539	50.0969	0.0541	0.802270
Hax1	chr3:89995456-89998686	6.9760	6.6005	-0.0798	0.795228
A730011C13Rik	chr3:94994409-94997350	9.3633	9.0170	-0.0544	0.879441
Pip5k1a	chr3:95058529-95106930	14.8292	15.3472	0.0495	0.700463
Rbm8a	chr3:96629927-96633779	13.8837	14.5402	0.0667	0.777029
Sec22b	chr3:97901189-97923276	13.1559	12.8788	-0.0307	0.837964
Kcna3	chr3:107036161-107038129	53.0344	52.2489	-0.0215	0.933847
Sec24d	chr3:123267495-123365635	4.9294	5.1947	0.0756	0.786341
Tifa	chr3:127789871-127832135	0.4340	0.3498	-0.3112	0.831404
Ap1ar	chr3:127807263-127837492	27.4093	27.0316	-0.0200	0.897827
Cenpe	chr3:135212562-135273540	10.4858	10.9546	0.0631	0.828614
Lmo4	chr3:144188529-144205220	4.2897	4.5796	0.0943	0.833900
Syde2	chr3:145987869-146021720	0.4785	0.4128	-0.2131	0.810928
Gm11814	chr4:10438814-10439743	3.2156	2.9013	-0.1484	0.831394
Bach2it1	chr4:32251760-32265835	5.9379	5.4682	-0.1189	0.804678

Rars2	chr4:34614956-34660167	13.6864	13.2377	-0.0481	0.872772
Smim8	chr4:34768663-34778423	9.6253	9.2534	-0.0569	0.892585
3110043O21Rik	chr4:35191284-35226175	2.7543	2.9187	0.0836	0.763220
B4galt1	chr4:40804601-40854005	26.2287	25.7861	-0.0246	0.895222
Polr1e	chr4:45018582-45036565	8.4259	8.2401	-0.0322	0.880169
Fbxo10	chr4:45034246-45084604	0.9591	0.8930	-0.1031	0.669907
Gm25692	chr4:45396993-45397118	10.2036	8.7379	-0.2237	0.780077
Col15a1	chr4:47208160-47313167	0.3761	0.4198	0.1586	0.805328
Tgfr1	chr4:47353221-47414931	29.8841	29.6796	-0.0099	0.902743
Grin3a	chr4:49661610-49845744	0.3097	0.2871	-0.1096	0.823740
Akap2	chr4:57717656-57896984	1.9671	1.8869	-0.0601	0.883749
Ugcg	chr4:59189256-59222833	36.6538	38.1323	0.0571	0.792194
Whrn	chr4:63414909-63495991	1.4477	1.5526	0.1009	0.742697
Mtap	chr4:89137121-89181081	18.9437	18.3263	-0.0478	0.904018
Alg6	chr4:99715663-99763460	1.5194	1.6145	0.0876	0.619942
Ssbp3	chr4:106910700-107049694	13.9893	13.8237	-0.0172	0.915694
Tmem59	chr4:107178398-107200996	42.5008	43.9542	0.0485	0.695213
Lrrc42	chr4:107233513-107253532	7.0101	6.6851	-0.0685	0.900305
Gm12737	chr4:108513780-108516817	2.4133	2.7288	0.1772	0.773316
Faah	chr4:115967144-116017926	16.5248	16.2385	-0.0252	0.904608
Pomgnt1	chr4:116123839-116159849	6.9252	7.1962	0.0554	0.594422
Gbbp1l1	chr4:116557657-116593882	48.6743	48.1106	-0.0168	0.888188
Rlf	chr4:121145372-121215084	24.9968	24.7020	-0.0171	0.914886
Trim62	chr4:128883579-128911328	0.7700	0.8603	0.1600	0.802050
lqcc	chr4:129615125-129619099	12.8141	12.5230	-0.0332	0.899600
Mir700	chr4:135416554-135416633	25.3496	28.6059	0.1743	0.706344
Pithd1	chr4:135975459-135987264	16.6117	16.2525	-0.0315	0.836161
Mfap2	chr4:141010417-141015984	0.5905	0.4692	-0.3317	0.821208
Gm13127	chr4:144587243-144588632	2.1741	1.9447	-0.1609	0.834638
Agtrap	chr4:148077060-148088031	9.2870	9.0246	-0.0414	0.865307
Apitd1	chr4:149127120-149137629	2.3758	2.1535	-0.1417	0.838287
Gm13066	chr4:149565619-149567790	1.4351	1.1876	-0.2732	0.787899
Slc25a33	chr4:149744035-149774277	5.4088	5.1177	-0.0798	0.835144
Errf1	chr4:150853918-150868892	3.2182	3.0548	-0.0752	0.842150
Chd5	chr4:152338650-152390194	0.2018	0.1793	-0.1704	0.697253
Atad3aos	chr4:155761177-155769264	2.2388	2.0197	-0.1486	0.851845
Zfp433	chr10:81718918-81721468	1.7300	2.0128	0.2184	0.743238
Tmtc2	chr10:105187662-105574451	0.1877	0.1616	-0.2157	0.805941
Ebf1	chr11:44617316-45008091	0.0750	0.0610	-0.2996	0.785927
Krt10	chr11:99385253-99389364	0.4590	0.7232	0.6559	0.716872
Abca5	chr11:110269368-110337716	0.0496	0.0606	0.2896	0.745575
Smim6	chr11:115912016-115913920	1.3322	1.5746	0.2412	0.784420
Wdr35	chr12:8973891-9028847	0.6228	0.6962	0.1608	0.788796
Gm16572	chr12:81587798-81589640	3.3439	2.7951	-0.2586	0.721408
4930451E10Rik	chr13:55775135-55784505	0.6521	0.8171	0.3253	0.707755
C230066G23Rik	chr5:105580439-105581772	4.8248	5.7131	0.2438	0.836959
P2rx2	chr5:110339811-110343035	0.3056	0.3784	0.3080	0.784463
Plekhf1	chr7:38220653-38227994	0.7931	0.6800	-0.2219	0.800290
Gm15506	chr7:98682335-98702928	0.7916	1.0267	0.3751	0.771029
Klh35	chr7:99466003-99474022	1.4485	1.6370	0.1765	0.829967
Gm4980	chr7:99624066-99627103	0.1633	0.2067	0.3401	0.658200
Gm5903	chr7:130343524-130354373	0.2072	0.1736	-0.2555	0.814044
Btbd16	chr7:130774068-130825897	1.1366	1.3118	0.2069	0.829809
Tnfrsf23	chr7:143665808-143685872	0.4233	0.4997	0.2395	0.719634
Gm15717	chr8:69110470-69111244	3.2157	2.6108	-0.3006	0.798477
Matr3-ps2	chr8:104845348-104846373	0.4649	0.6194	0.4138	0.762394
Exoc3l	chr8:105289923-105296098	0.6005	0.7289	0.2795	0.731003
Mcam	chr9:44134468-44142727	0.4911	0.5767	0.2318	0.790736
Gm10655	chr9:61370796-61372193	0.5351	0.6972	0.3819	0.806675
Gm7327	chrX:61785380-61786032	0.9171	1.1800	0.3636	0.782124
C230037L18Rik	chr15:89476235-89484847	1.0946	1.2832	0.2294	0.819560
Trav6-4	chr14:53454295-53454782	3.0453	3.7011	0.2814	0.706687
Mir15a	chr14:61632026-61632110	8.3887	10.9801	0.3884	0.766942
Slc15a1	chr14:121459620-121505254	0.3361	0.4153	0.3054	0.752648
Gm15599	chr17:5110780-5112119	1.9155	1.6221	-0.2398	0.839002
Hspa1l	chr17:34972702-34979284	1.0669	0.9301	-0.1980	0.825166
Nlrc4	chr17:74426294-74459108	0.4137	0.3594	-0.2029	0.819738
Gm10093	chr17:78491564-78493541	0.9808	0.8749	-0.1649	0.811520
Slc3a1	chr17:85028346-85064243	1.1373	1.0138	-0.1658	0.847851
Tsga10ip	chr19:5390048-5394401	2.2362	1.7765	-0.3321	0.822549
Gda	chr19:21391306-21473445	0.2557	0.2992	0.2265	0.760670

Loxl4	chr19:42593981-42612813	0.5042	0.4416	-0.1911	0.827499
Pyroxd2	chr19:42725857-42752775	0.2456	0.1943	-0.3385	0.747240
Ap1s3	chr1:79606875-79671972	1.4671	1.6714	0.1881	0.761652
Gm15392	chr1:121489295-121493203	1.3970	1.6618	0.2504	0.744740
Nuak2	chr1:132316125-132333488	1.2237	1.3767	0.1700	0.761957
Scarna3a	chr1:159340282-159340422	5.7329	6.9652	0.2809	0.723684
Snph	chr2:151590548-151632593	0.1433	0.1206	-0.2495	0.773413
Mroh8	chr2:157208549-157279549	0.4067	0.3499	-0.2172	0.821307
Gm16147	chr18:5611557-5611836	2.2961	1.7901	-0.3592	0.826020
Gm24514	chr18:55622632-55622920	3.2966	3.8463	0.2225	0.651927
Pstpip2	chr18:77794544-77882007	0.4899	0.3641	-0.4284	0.789037
Gm15602	chr3:103902526-103902963	3.0381	2.4842	-0.2904	0.750225
Ifi44	chr3:151730921-151749947	1.2884	1.6345	0.3432	0.790710
Gm26049	chr4:41312090-41312198	7.8687	9.3131	0.2431	0.803810
Gm12749	chr4:109373700-109374859	1.1831	1.0129	-0.2240	0.810682
Arg1	chr10:24915207-24927470	0.5853	0.4851	-0.2707	0.821985
Ank3	chr10:69533771-70027438	0.0328	0.0259	-0.3426	0.824571
Hlf	chr11:90336535-90390895	0.0930	0.1174	0.3361	0.780323
Gkap1	chr13:58233350-58274188	0.5550	0.4498	-0.3032	0.799082
Ninj2	chr6:120093349-120200339	0.7270	0.9129	0.3285	0.784207
Tmem25	chr9:44793775-44799307	0.2569	0.2062	-0.3173	0.823519
n-R5s87	chr9:96549593-96549709	6.8067	5.5730	-0.2885	0.800640
Gm8817	chrX:167063193-167070380	1.8969	2.2964	0.2757	0.804183
Wnt10b	chr15:98771752-98778150	0.2859	0.2291	-0.3198	0.796333
Gm25406	chr17:73193911-73194016	11.4191	9.6745	-0.2392	0.828244
Gm15738	chr16:13384173-13404686	1.0143	1.2888	0.3455	0.734541
Gm16299	chr19:53819353-53825128	0.6515	0.7987	0.2939	0.847196
Gm16072	chr18:12287403-12289780	0.2693	0.2191	-0.2977	0.784826
Gm13529	chr2:33652388-33652798	1.4853	1.8179	0.2915	0.775567
Dnmt3l-ps1	chr2:83744483-83745736	1.0032	1.2565	0.3248	0.792857
Hspa12b	chr2:131127279-131146321	0.2155	0.2712	0.3314	0.754171
Gm12930	chr4:124957646-124987009	1.2320	0.9464	-0.3805	0.845972
Lppr2	chr9:21937032-21948900	0.1979	0.2426	0.2940	0.697429
Rsl24d1	chr9:73113425-73123333	13.6455	13.1409	-0.0544	0.894642
Txndc11	chr16:11074910-11134650	6.2088	6.1253	-0.0195	0.881654
Sept7	chr9:25252438-25308571	194.5696	200.8451	0.0458	0.834269
Snora15	chr5:129794545-129794676	12.7571	11.5123	-0.1481	0.810484
Trbj1-6	chr6:41535553-41535606	352.9631	342.6659	-0.0427	0.862806
Kmt2e	chr5:23434440-23504235	21.4258	21.1052	-0.0218	0.937808
NA	chrX:42526584-42529330	1.3787	1.5065	0.1279	0.819287
NA	chr15:102528635-102529025	2.7698	2.4012	-0.2060	0.807797
Lsm12	chr11:102162496-102185296	14.4477	15.1231	0.0659	0.824387
Kctd2	chr11:115420127-115431274	13.7633	13.5927	-0.0180	0.762931
Itsn2	chr12:4593007-4713950	65.8344	67.5244	0.0366	0.600768
Pi4k2b	chr5:52741586-52769344	2.5242	2.3785	-0.0858	0.895422
Gm21983	chr7:27168429-27181086	20.3319	19.8507	-0.0346	0.899964
Hbb-bs	chr7:103826533-103828096	1.7044	1.4664	-0.2170	0.815286
Zfp689	chr7:127443751-127449158	7.2342	6.9852	-0.0505	0.870217
Hras	chr7:141189104-141194005	8.9977	8.7860	-0.0344	0.889407
Gm26786	chr8:106237902-106425728	1.9084	2.0120	0.0763	0.759007
Gm17324	chr9:78447864-78448786	3.0334	2.8133	-0.1087	0.739755
Tceanc	chrX:166499811-166518567	3.5033	3.4027	-0.0421	0.879925
Txndc16	chr14:45134447-45220328	3.4169	3.3605	-0.0240	0.813138
4833413E03Rik	chr17:31557125-31559113	0.7503	0.6390	-0.2316	0.792653
Fam162a	chr16:36043843-36071515	44.9766	43.6788	-0.0422	0.904503
Matr3	chr18:35562157-35592045	108.8100	107.6079	-0.0160	0.939324
1700018M17Rik	chr4:59549153-59549625	20.4728	22.0186	0.1050	0.830864
Camk2n1	chr4:138454313-138460123	1.3354	1.2593	-0.0846	0.861290
Gm15477	chr5:67847065-67909013	0.3018	0.2694	-0.1637	0.814861
Gm10232	chr17:3043883-3044750	1.4285	1.7396	0.2842	0.808783
Hint3	chr10:30608140-30618479	13.9649	13.6045	-0.0377	0.877187
Nt5dc1	chr10:34288287-34418552	26.7640	27.6667	0.0479	0.787856
Zbtb24	chr10:41450395-41465571	16.6817	16.4514	-0.0201	0.901611
Man1a	chr10:53904787-54075796	28.4064	29.1281	0.0362	0.723995
Ccar1	chr10:62743927-62792368	34.5428	34.0449	-0.0209	0.922620
Tfam	chr10:71225463-71238280	20.0272	20.7012	0.0478	0.802032
Adora2a	chr10:75316942-75334788	14.5630	14.3050	-0.0258	0.914886
Gucd1	chr10:75351110-75517972	6.3372	6.5462	0.0468	0.788669
D10Jhu81e	chr10:78162066-78169768	26.9150	27.8444	0.0490	0.755052
Mier2	chr10:79540244-79555199	7.8655	8.1872	0.0578	0.790903
Gm17134	chr10:79863936-79864434	36.6895	38.2924	0.0617	0.773742

Med16	chr10:79894707-79908923	5.8835	6.1140	0.0554	0.784146
Hmg20b	chr10:81346047-81350480	8.7518	8.6420	-0.0182	0.880915
Cpm	chr10:117629499-117687352	13.9739	14.3817	0.0415	0.751196
Mdm2	chr10:117688887-117710758	26.0190	26.7003	0.0373	0.670453
Stat2	chr10:128270575-128292849	20.2043	20.8437	0.0449	0.782481
Mtfp1	chr11:4091479-4095445	1.5327	1.4196	-0.1106	0.859416
Rnf215	chr11:4135201-4141172	15.7412	16.3289	0.0529	0.826426
Lif	chr11:4257556-4272514	2.5859	2.7230	0.0745	0.762133
Asb3	chr11:30954394-31102704	8.1194	8.0145	-0.0188	0.926280
Npm1	chr11:33152286-33163206	132.5880	127.1447	-0.0605	0.898971
Lcp2	chr11:34046919-34092295	97.1790	96.8042	-0.0056	0.945865
Thg1l	chr11:45946842-45955494	6.8912	6.6589	-0.0495	0.909467
Tgtp1	chr11:48985326-48994172	10.8670	10.6985	-0.0226	0.901091
Rnf130	chr11:50025345-50104758	10.5479	11.1760	0.0834	0.834581
9530068E07Rik	chr11:52396427-52408728	25.0969	24.9285	-0.0097	0.919949
Slc36a3os	chr11:55137043-55140193	8.4042	7.9513	-0.0799	0.867446
Cnot8	chr11:58104152-58118594	25.1427	25.8456	0.0398	0.449798
Plscr3	chr11:69846375-69852058	1.8369	1.7694	-0.0540	0.862149
Pld2	chr11:70540063-70558110	1.3223	1.2788	-0.0482	0.911712
Pfn1	chr11:70651849-70654644	391.2601	402.8670	0.0422	0.818356
Kif1c	chr11:70700547-70731964	8.7330	9.0145	0.0458	0.823887
P2rx5	chr11:73160420-73172685	0.5595	0.6327	0.1775	0.756538
Smg6	chr11:74925822-75164448	17.3717	17.1862	-0.0155	0.942214
Mir22hg	chr11:75461538-75466676	3.0743	2.9466	-0.0612	0.874610
Gemin4	chr11:76210570-76217664	11.0333	10.8949	-0.0182	0.921989
Abr	chr11:76416733-76622314	16.6531	17.2436	0.0503	0.826983
Wsb1	chr11:79239371-79254671	27.2284	27.1492	-0.0045	0.953078
Crlf3	chr11:80046492-80080991	64.1420	63.8006	-0.0077	0.926944
Tefm	chr11:80136677-80142175	4.5092	4.8865	0.1159	0.834845
Ddx52	chr11:83942061-83963088	34.9236	35.9870	0.0433	0.780988
Cltc	chr11:86694350-86757565	60.3703	61.8025	0.0338	0.663777
Snf8	chr11:96034884-96047430	12.5416	13.0892	0.0617	0.807595
Skap1	chr11:96464592-96759130	41.2453	42.2432	0.0345	0.687634
Stat5b	chr11:100780730-100850724	49.6359	51.0048	0.0393	0.772043
Coa3	chr11:101277967-101279114	32.7148	31.9385	-0.0346	0.904636
Wnt3	chr11:103774149-103817957	1.3959	1.3221	-0.0783	0.812305
Gm11706	chr11:106814669-106816008	9.5478	8.8238	-0.1138	0.840257
Fam104a	chr11:113661318-113684155	13.4744	13.9305	0.0480	0.784219
Rpl38	chr11:114668523-114672331	6.6053	7.2278	0.1299	0.845238
Exoc7	chr11:116288000-116307233	14.9005	15.3876	0.0464	0.708323
Jmjd6	chr11:116837431-116843449	18.6352	18.4025	-0.0181	0.925995
Mettl23	chr11:116843277-116854263	46.7812	46.2584	-0.0162	0.949504
Slc26a11	chr11:119355556-119381079	2.4048	2.5182	0.0665	0.619731
Sirt7	chr11:120618371-120625240	37.5662	37.2716	-0.0114	0.952854
Kif3c	chr12:3365131-3406494	5.7810	5.6918	-0.0224	0.914412
Rdh14	chr12:10390779-10395562	15.3526	16.0810	0.0669	0.860205
Ddx1	chr12:13219307-13249213	54.6748	56.4998	0.0474	0.804590
Grhl1	chr12:24572286-24617391	6.2579	6.5178	0.0587	0.824364
Gm17024	chr12:40209486-40211073	5.1157	4.8180	-0.0865	0.910663
Heatr5a	chr12:51875872-51971321	5.0043	4.9005	-0.0302	0.929702
Fbxo33	chr12:59200654-59219725	22.4475	22.2886	-0.0103	0.917144
Fkbp3	chr12:65062435-65073944	128.7718	127.2992	-0.0166	0.946913
Klhdc1	chr12:69241175-69284632	6.7706	6.6287	-0.0306	0.903057
2700049A03Rik	chr12:71136847-71243303	5.9395	6.1364	0.0470	0.744013
4933426M11Rik	chr12:80790531-80880832	25.9878	25.8177	-0.0095	0.955664
Synj2bp	chr12:81497940-81532911	18.1746	18.0051	-0.0135	0.933954
Acyp1	chr12:85272397-85288438	11.6019	11.3064	-0.0372	0.831541
Ttc7b	chr12:100300770-100520822	4.8304	4.6937	-0.0414	0.887626
AK010878	chr12:102719974-102757810	4.4402	4.3713	-0.0226	0.916209
Syne3	chr12:104929948-105009809	13.5224	14.0721	0.0575	0.847231
Ppp2r5c	chr12:110485738-110583061	89.3980	89.0779	-0.0052	0.963509
Apopt1	chr12:111713260-111754980	6.8746	6.7723	-0.0216	0.905593
Tex22	chr12:113074501-113088917	1.1354	1.0182	-0.1572	0.796038
Gtpbp4	chr13:8972070-8996017	44.3194	43.8265	-0.0161	0.952935
Tcrg-C1	chr13:19214102-19216618	8.8336	9.5878	0.1182	0.868114
Gpld1	chr13:24943151-24990753	5.9307	5.8262	-0.0256	0.894996
Bphl	chr13:34037640-34074074	8.0416	8.5321	0.0854	0.813109
Mak	chr13:41025119-41079706	0.1483	0.1770	0.2549	0.842927
Cltb	chr13:54592400-54611344	5.7229	5.9344	0.0524	0.631893
B230219D22Rik	chr13:55693123-55703499	34.8584	34.5723	-0.0119	0.920672
Mir3074-1	chr13:63301179-63301296	34.7109	32.5379	-0.0933	0.806271

Rscan18	chr13:67096612-67114028	1.0728	0.9967	-0.1062	0.853046
Zfp455	chr13:67194505-67209298	3.1286	3.3063	0.0797	0.757933
Zfp874b	chr13:67471513-67484225	13.3181	13.1206	-0.0216	0.927028
Papd7	chr13:69497958-69533839	7.5886	7.8565	0.0501	0.674959
Lrrc14b	chr13:74359577-74364005	2.0119	2.1410	0.0897	0.688385
Papd4	chr13:93147399-93192283	8.7328	9.1188	0.0624	0.801405
Zbed3	chr13:95325236-95337841	0.4565	0.5354	0.2302	0.864851
Col4a3bp	chr13:96542617-96640167	24.6084	24.4271	-0.0107	0.953169
Srek1	chr13:103741614-103764504	19.4643	20.1214	0.0479	0.760975
Gm17509	chr13:117218700-117221075	7.3708	7.7287	0.0684	0.836689
Slc25a40	chr5:8422849-8454790	9.7931	9.5765	-0.0323	0.924387
Wdr86	chr5:24711737-24730727	0.6347	0.5969	-0.0886	0.858336
Ppp1cb	chr5:32458973-32517433	28.4465	28.2938	-0.0078	0.964264
Gm15513	chr5:34211809-34213802	0.5171	0.4523	-0.1932	0.855239
Stx18	chr5:38038741-38137765	6.1495	6.4122	0.0604	0.679918
Shisa3	chr5:67607882-67623552	0.6573	0.7129	0.1173	0.702760
Exoc1	chr5:76529310-76570294	12.7288	12.6386	-0.0103	0.932432
Scarb2	chr5:92443872-92505608	42.1005	41.7039	-0.0137	0.938052
Klh8	chr5:103861972-103911259	1.6631	1.7799	0.0979	0.807139
Zfp644	chr5:106500893-106697287	19.0325	19.5686	0.0401	0.824323
Zfp932	chr5:109996520-110010411	4.6339	4.9092	0.0832	0.836815
Pole	chr5:110286305-110337474	8.7334	8.9992	0.0433	0.811047
A630023P12Rik	chr5:110514922-110525980	25.9540	27.1116	0.0630	0.854352
Gm20636	chr5:112374368-112377639	2.6243	2.9169	0.1525	0.710802
Gm17122	chr5:113842600-113843116	36.1891	35.4875	-0.0282	0.858050
Wsb2	chr5:117357303-117378601	9.3809	9.7017	0.0485	0.736827
Rpl6	chr5:121204480-121209241	40.8368	42.2504	0.0491	0.849905
Pptc7	chr5:122284364-122324281	23.4040	23.2397	-0.0102	0.896793
Stx2	chr5:128984556-129008574	2.4486	2.5763	0.0733	0.750356
Tyw1	chr5:130255618-130341563	5.8819	6.0996	0.0524	0.774764
Por	chr5:135670032-135735326	12.0529	12.4974	0.0522	0.758465
Epo	chr5:137482258-137533242	1.6282	1.4576	-0.1596	0.875272
Gigyf1	chr5:137518879-137527934	7.5477	7.4047	-0.0276	0.913399
Zcwpw1	chr5:137787797-137822621	6.9663	6.8052	-0.0338	0.925787
Gm15672	chr5:139147575-139150693	2.8842	2.7025	-0.0938	0.869755
Rnf216	chr5:142990892-143113020	13.0659	13.4961	0.0467	0.752787
Copg2	chr6:30747553-30896794	19.1815	19.7552	0.0425	0.804017
Mtpn	chr6:35508905-35539888	49.6125	51.1619	0.0444	0.796782
Trbc1	chr6:41538217-41539347	277.2924	275.1542	-0.0112	0.939270
Trbj2-2	chr6:41542956-41543007	130.2922	125.0561	-0.0592	0.837815
Zfp777	chr6:48024187-48048911	10.3596	10.7323	0.0510	0.754495
Mturn	chr6:54681771-54700406	11.4230	11.8904	0.0579	0.794780
Avl9	chr6:56714926-56761911	19.2303	19.7575	0.0390	0.672018
Aup1	chr6:83054652-83057680	89.8428	92.3424	0.0396	0.778138
Nr2c2	chr6:92091389-92173057	30.1070	30.0069	-0.0048	0.941344
Uba3	chr6:97183669-97205642	24.0876	23.7651	-0.0194	0.929027
Eif4e3	chr6:99625134-99666771	9.3880	9.7745	0.0582	0.750434
Mkrn2	chr6:115601937-115618670	21.9004	21.6655	-0.0156	0.869450
Plxnd1	chr6:115954810-115995005	5.4739	5.6840	0.0544	0.832146
Lpcat3	chr6:124663026-124704418	12.8364	13.3170	0.0530	0.704189
Cd4	chr6:124864691-124888221	192.0906	191.8994	-0.0014	0.986193
Gapdh	chr6:125161714-125166467	9.1549	9.4975	0.0530	0.779222
9330179D12Rik	chr6:127149388-127212411	2.4589	2.3317	-0.0766	0.777204
Epn1	chr7:5080234-5098178	25.7987	25.5420	-0.0144	0.926496
Zfp78	chr7:6371363-6379491	2.3321	2.2263	-0.0670	0.839393
Ptgir	chr7:16906489-16910905	5.1124	4.9702	-0.0407	0.884538
Zfp109	chr7:24228047-24236632	3.3565	3.6517	0.1216	0.881084
Ethe1	chr7:24587542-24608925	5.6401	6.1058	0.1145	0.825679
Dedd2	chr7:25202839-25219859	45.8279	45.2619	-0.0179	0.924608
Rab4b	chr7:27168423-27178896	19.0689	18.6227	-0.0342	0.909076
Eid2b	chr7:28277705-28280129	2.0308	1.9257	-0.0767	0.892122
Med29	chr7:28386145-28392708	4.1698	3.8159	-0.1279	0.862316
Zfp420	chr7:29859978-29877292	3.5139	3.7113	0.0789	0.823782
Zfp14	chr7:30038052-30044734	3.0401	3.2902	0.1140	0.803865
E130208F15Rik	chr7:30321739-30323472	16.6527	16.3427	-0.0271	0.873951
Hspb6	chr7:30552177-30555443	3.0531	3.2556	0.0926	0.814758
Nudt19	chr7:35547184-35556304	14.4304	14.1919	-0.0240	0.936876
Zfp507	chr7:35772345-35802989	12.6523	12.5260	-0.0145	0.914923
Rpl18	chr7:45715456-45720835	37.9669	39.2698	0.0487	0.869383
Mphosph10	chr7:64376575-64392268	21.2522	22.1378	0.0589	0.871074
Mfge8	chr7:79133768-79149060	5.4582	5.3000	-0.0424	0.897575

Sema4b	chr7:80186840-80226394	12.3859	12.2336	-0.0179	0.923336
Iqgap1	chr7:80711582-80803331	95.1099	97.4167	0.0346	0.651424
Il16	chr7:83642847-83745726	96.3776	98.5845	0.0327	0.493540
Mesdc1	chr7:83880494-83884341	4.6307	4.8611	0.0700	0.819252
Usp35	chr7:97309379-97332020	1.9485	1.8821	-0.0500	0.909167
Rrp8	chr7:105732206-105737376	15.6291	15.3460	-0.0264	0.915465
Wee1	chr7:110122349-110142112	5.8686	5.6733	-0.0488	0.923305
Mettl9	chr7:121034444-121076834	20.9076	20.4287	-0.0334	0.919837
Gm15489	chr7:122139007-122159401	1.9400	1.7223	-0.1718	0.889331
Prkcb	chr7:122288750-122634402	34.3364	34.1155	-0.0093	0.949036
Il21r	chr7:125603428-125633570	78.4270	80.7631	0.0423	0.768467
Zfp668	chr7:127865169-127876828	9.0596	8.9048	-0.0249	0.894299
Armc5	chr7:128237356-128245100	8.4783	8.7917	0.0524	0.758770
Fam53b	chr7:132712081-132813886	23.5435	24.2479	0.0425	0.819419
Bccip	chr7:133709332-133721145	19.5905	20.3828	0.0572	0.844888
Gm15542	chr7:140890886-140892080	2.5037	2.7334	0.1266	0.703324
Pidd1	chr7:141438112-141444025	2.9252	3.0654	0.0676	0.769846
Cttn	chr7:144435732-144471009	1.4193	1.5241	0.1027	0.835137
Grtp1	chr8:13176868-13200624	1.1361	1.2761	0.1676	0.746217
Upf3a	chr8:13785614-13798538	21.9705	21.4959	-0.0315	0.890222
Angpt2	chr8:18690262-18741562	1.1711	1.2599	0.1055	0.839239
Gm21092	chr8:20550330-20581999	1.4760	1.4236	-0.0522	0.807191
D830025C05Rik	chr8:25597011-25597989	2.9184	2.7212	-0.1010	0.855891
Gm9939	chr8:34965051-34966209	4.5652	5.0072	0.1333	0.871146
Fbxo8	chr8:56551089-56592393	8.0661	8.3900	0.0568	0.765311
Gdf1	chr8:70315774-70331592	1.1204	1.0473	-0.0973	0.865438
Lsm4	chr8:70673247-70678752	62.6152	64.5114	0.0430	0.784284
Ccdc124	chr8:70868226-70873490	44.2393	43.6155	-0.0205	0.931356
Ptger1	chr8:83666832-83672753	26.6203	27.4401	0.0438	0.794639
Calr	chr8:84841849-84846934	229.3423	235.7782	0.0399	0.761569
Hook2	chr8:84990594-85003364	4.6942	4.5469	-0.0460	0.908406
Asna1	chr8:85017933-85025278	46.8242	46.0909	-0.0228	0.933990
Wdr83os	chr8:85080739-85082339	16.7522	17.7263	0.0815	0.848954
Kifc3	chr8:95099831-95142540	0.7829	0.7305	-0.1000	0.732091
Grp	chr8:105566699-105568298	2.2644	2.5053	0.1459	0.684297
Ctcf	chr8:105636567-105682922	58.0753	59.5234	0.0355	0.610366
Thap11	chr8:105855102-105856950	17.9151	18.5208	0.0480	0.776912
Pskh1	chr8:105900440-105931778	13.6954	14.1316	0.0452	0.738073
Cmc2	chr8:116888684-116921455	4.6654	4.9136	0.0748	0.725433
Gan	chr8:117158134-117205834	2.6034	2.8006	0.1053	0.823870
Zdhhc7	chr8:120081094-120101482	14.9452	14.7241	-0.0215	0.932531
Gm27021	chr8:120608785-120668079	5.0531	4.8040	-0.0729	0.852331
Galns	chr8:122578237-122611487	8.9584	8.6773	-0.0460	0.927900
Acsf3	chr8:122775504-122817880	6.7475	7.0755	0.0685	0.720130
Fam89a	chr8:124740256-124751809	1.8217	1.6704	-0.1250	0.865279
Msantd4	chr9:4383534-4386861	18.2523	18.8468	0.0462	0.763984
Piwi4	chr9:14696229-14740733	0.1242	0.1465	0.2383	0.812118
Gm24357	chr9:15315521-15315595	86.6262	82.8976	-0.0635	0.876841
Cdkn2d	chr9:21288462-21291209	22.3345	23.3974	0.0671	0.838058
Vps26b	chr9:27004502-27030094	24.1869	24.8104	0.0367	0.669407
Sc5d	chr9:42254176-42264300	27.0437	26.6332	-0.0221	0.928201
Nlrx1	chr9:44252712-44268599	4.4458	4.3349	-0.0365	0.915760
Vps11	chr9:44348105-44361670	25.7134	25.4339	-0.0158	0.939060
Ptpn9	chr9:56994967-57062805	8.6919	8.9711	0.0456	0.513480
Neil1	chr9:57143255-57147034	11.0531	11.7869	0.0927	0.822953
Commd4	chr9:57155040-57158299	47.8391	47.2238	-0.0187	0.936957
Nptn	chr9:58582239-58657955	18.2124	18.0876	-0.0099	0.940946
Tipin	chr9:64281606-64304792	44.0139	43.0201	-0.0329	0.919025
Vwa9	chr9:64960831-64986974	15.2274	15.7308	0.0469	0.651374
Dpp8	chr9:65032457-65082650	48.9614	48.7409	-0.0065	0.919232
Snx1	chr9:66088132-66126587	28.7335	28.5006	-0.0117	0.928745
Senp6	chr9:80066902-80144953	42.4935	43.6461	0.0386	0.754510
BC043934	chr9:96435783-96437434	12.4148	12.1757	-0.0281	0.888714
Cep63	chr9:102586577-102626534	5.8260	6.0427	0.0527	0.787602
Oxsr1	chr9:119238431-119322427	22.8785	22.7540	-0.0079	0.934454
Gm24044	chr9:120128779-120128935	57.5033	55.5325	-0.0503	0.854038
2010204K13Rik	chrX:7411816-7445143	1.8585	2.0592	0.1479	0.830591
Maoa	chrX:16619697-16687818	0.4874	0.4294	-0.1829	0.842243
Cdk16	chrX:20687953-20699880	8.7416	8.6426	-0.0164	0.881033
Gm26593	chrX:21360864-21364622	1.0625	1.1876	0.1605	0.765144
Zfp449	chrX:56346399-56365674	0.5951	0.6560	0.1406	0.767846

Mtm1	chrX:71210766-71315691	1.2840	1.3677	0.0912	0.850571
Bcap31	chrX:73686177-73716175	89.9036	92.7354	0.0447	0.806541
Lage3	chrX:74351275-74353618	7.1184	7.5520	0.0853	0.893487
Foxo4	chrX:101254527-101260873	12.4008	12.2347	-0.0194	0.945412
Atrx	chrX:105797614-105929397	54.4577	54.1190	-0.0090	0.950542
Morf4l2	chrX:136732941-136743690	15.8019	16.3517	0.0493	0.838140
Fam199x	chrX:137049593-137082503	6.2619	6.1792	-0.0192	0.948476
Ubqln2	chrX:153498231-153501537	3.3086	3.2259	-0.0365	0.829921
Tars	chr15:11383662-11399658	54.0393	53.7519	-0.0077	0.954961
Zfr	chr15:12117830-12185683	34.0074	33.8682	-0.0059	0.943475
Rpl30	chr15:34440504-34443640	30.4244	31.5472	0.0523	0.866903
Spag1	chr15:36179367-36235610	2.7652	2.9477	0.0922	0.844740
Tbc1d31	chr15:57912198-57970067	3.2297	3.1571	-0.0328	0.917410
Pvt1	chr15:62037985-62378096	4.5711	4.4818	-0.0285	0.909057
Ly6c2	chr15:75108159-75111684	3.7037	4.0744	0.1376	0.812231
Gpaa1	chr15:76331230-76334907	13.4790	13.2749	-0.0220	0.905142
Lrrc24	chr15:76715275-76722173	1.8557	1.9854	0.0974	0.657540
Gm16575	chr15:79739573-79741798	16.8349	17.4222	0.0495	0.791088
Gm6612	chr15:80952504-80952899	3.3555	2.9543	-0.1837	0.807228
St13	chr15:81363668-81400077	66.9094	65.7958	-0.0242	0.941417
Rangap1	chr15:81704247-81729919	51.6670	52.9612	0.0357	0.573540
Cyb5r3	chr15:83153493-83172592	12.6580	13.1129	0.0509	0.854310
Chkb	chr15:89416404-89429908	9.5009	9.7902	0.0433	0.713730
Slc11a2	chr15:100387897-100425072	5.4820	5.4074	-0.0198	0.928937
Smug1	chr15:103153306-103158002	5.8740	6.1171	0.0585	0.801692
Psmc6	chr14:14112183-14120984	36.9570	36.5675	-0.0153	0.947917
Polr3a	chr14:24448693-24487046	16.2370	16.7758	0.0471	0.778855
Prkcd	chr14:30595355-30626210	19.1990	19.1248	-0.0056	0.935228
Rft1	chr14:30654359-30691317	6.4879	6.3956	-0.0207	0.892947
Colq	chr14:31523081-31591343	2.3653	2.2900	-0.0467	0.874744
Ncoa4	chr14:32159864-32179855	2.6825	2.8378	0.0812	0.846021
Wdfy4	chr14:32959546-33185508	0.3077	0.2869	-0.1014	0.894988
Bmpr1a	chr14:34410733-34503341	0.4450	0.4098	-0.1187	0.823233
Gch1	chr14:47153894-47189413	5.0563	5.2755	0.0612	0.753704
Wdhd1	chr14:47240943-47276832	7.5267	7.7538	0.0429	0.736662
Supt16	chr14:52160418-52197239	70.5324	70.1462	-0.0079	0.961007
Trav14n-3	chr14:53370295-53370575	10.6261	11.5976	0.1262	0.672272
Trav7-4	chr14:53461098-53461736	3.0754	3.5012	0.1871	0.785989
Traj9	chr14:54209392-54209450	73.9222	79.0061	0.0960	0.771046
Slc7a7	chr14:54369443-54409472	1.8467	1.7492	-0.0783	0.872593
4931414P19Rik	chr14:54583662-54605908	1.6802	1.8047	0.1031	0.595461
Ints6	chr14:62676329-62761112	27.7728	27.4992	-0.0143	0.923052
Fam167a	chr14:63436393-63465498	0.3649	0.4053	0.1515	0.832131
Fndc3a	chr14:72537945-72710003	9.4931	9.7652	0.0408	0.706077
Dnajc15	chr14:77826216-77874917	53.9910	56.7310	0.0714	0.876588
Cln5	chr14:103070215-103077579	18.1636	17.8930	-0.0217	0.893102
Zfp677	chr17:21383747-21399265	12.0602	12.5973	0.0629	0.813754
Zfp51	chr17:21450351-21465591	21.1473	21.8983	0.0503	0.763919
Zfp52	chr17:21555045-21562066	33.1907	32.7126	-0.0209	0.927190
Prss41	chr17:23836784-23844172	1.0119	0.9177	-0.1410	0.875475
Msrb1	chr17:24736641-24742778	19.5472	20.3917	0.0610	0.804486
Itfg3	chr17:26211821-26244223	5.3365	5.5767	0.0635	0.803697
Hmga1	chr17:27556619-27563674	5.3863	5.2409	-0.0395	0.890954
H2-K2	chr17:33974785-33978788	29.1034	30.1963	0.0532	0.810649
Nrm	chr17:35861317-35865402	15.9312	16.5494	0.0549	0.726701
H2-M10.2	chr17:36284226-36286490	0.6233	0.5004	-0.3168	0.849566
Runx2os1	chr17:44735844-44737612	3.2340	2.9378	-0.1386	0.865695
Mea1	chr17:46681136-46683105	59.9952	62.1280	0.0504	0.846707
Dpp9	chr17:56186681-56218889	13.1262	12.9916	-0.0149	0.923605
A930029G22Rik	chr17:69416659-69439304	1.8343	1.9937	0.1202	0.795615
Sos1	chr17:80393751-80480453	4.2230	4.1568	-0.0228	0.927102
Prkce	chr17:86167784-86657919	2.2619	2.2133	-0.0313	0.917379
Mgrn1	chr16:4886099-4938296	15.9157	15.7159	-0.0182	0.921121
Gm15868	chr16:14311840-14314014	10.8913	11.6395	0.0959	0.781477
Gnb1l	chr16:18498767-18566679	2.3036	2.4584	0.0939	0.806378
NA	chr16:20677316-20677395	11.5499	13.5868	0.2343	0.841997
Rfc4	chr16:23113942-23127737	18.0510	17.8027	-0.0200	0.878898
Opa1	chr16:29579333-29654884	21.4681	21.2886	-0.0121	0.937437
Fbxo45	chr16:32230111-32247158	8.6287	8.4972	-0.0222	0.887027
Dir2	chr16:35694061-35769356	5.0945	5.0114	-0.0237	0.886959
Gtf2e1	chr16:37509789-37539789	6.2414	6.4605	0.0498	0.716937

NA	chr16:43620876-43623955	2.8328	2.9977	0.0816	0.858525
Gm6030	chr16:45205099-45205501	16.1082	17.6781	0.1342	0.846445
Gm15638	chr16:45945605-45971370	1.5046	1.4368	-0.0665	0.913554
Gm16892	chr16:57167400-57174413	4.8614	4.6470	-0.0651	0.886566
Paxbp1	chr16:91014036-91044543	41.0380	40.8346	-0.0072	0.927602
Syt12	chr19:4445907-4477447	0.1155	0.0943	-0.2927	0.809253
Sart1	chr19:5377522-5388703	34.3876	35.4642	0.0445	0.792208
Mus81	chr19:5482344-5488402	12.1455	12.6071	0.0538	0.810784
2700081O15Rik	chr19:7417624-7425904	0.5432	0.5034	-0.1097	0.882218
Pat1	chr19:11912398-11945096	8.5256	8.8632	0.0560	0.846989
Mpeg1	chr19:12460778-12465284	0.7609	0.8365	0.1368	0.835339
Cep78	chr19:15955773-15984989	5.2662	5.1127	-0.0427	0.906996
Cstf2t	chr19:31082840-31086590	30.5309	31.4647	0.0435	0.810767
Gm27042	chr19:40589434-40594862	2.4422	2.2351	-0.1278	0.843913
Gm16541	chr19:42536849-42563108	11.5199	12.2177	0.0848	0.733469
Chuk	chr19:44073334-44107480	26.4350	26.2010	-0.0128	0.941462
2010012O05Rik	chr19:46689905-46703382	1.9407	2.1156	0.1245	0.813513
Fam204a	chr19:60198585-60226697	11.3967	11.9408	0.0673	0.791918
Nanos1	chr19:60755986-60759913	4.8580	5.0502	0.0560	0.804801
Sbspon	chr1:15853861-15892722	0.9147	0.8527	-0.1012	0.873151
Boll	chr1:55248657-55363469	1.3795	1.4998	0.1206	0.873450
Ppil3	chr1:58430993-58445486	19.6356	19.2773	-0.0266	0.899161
Bmpr2	chr1:59764278-59870549	3.5806	3.7654	0.0726	0.818691
Ccnyl1	chr1:64690454-64725644	1.2124	1.1479	-0.0789	0.825476
Acadl	chr1:66830838-66863277	16.1796	16.7141	0.0469	0.639150
Nhej1	chr1:74967138-75046639	3.4424	3.6950	0.1022	0.797795
Hes6	chr1:91411482-91414038	15.8130	15.5444	-0.0247	0.920851
Gin1	chr1:97770171-97793709	3.6534	3.5381	-0.0463	0.927582
Rbbp5	chr1:132477366-132505665	27.0556	27.8367	0.0411	0.683207
Gm10535	chr1:135108960-135113378	5.4072	5.0216	-0.1067	0.902512
Fam20b	chr1:156678544-156719001	11.0712	11.3969	0.0418	0.781106
NA	chr1:167223826-167223919	52.8221	56.5546	0.0985	0.763017
Aldh9a1	chr1:167349990-167368530	15.9479	16.4817	0.0475	0.780333
Sdhc	chr1:171127164-171150603	15.5077	16.2279	0.0655	0.855491
Nr1i3	chr1:171213969-171220701	5.9057	6.1568	0.0601	0.678050
Pfdn2	chr1:171345669-171359254	5.0191	4.8165	-0.0594	0.869592
Klhdc9	chr1:171358445-171360798	1.1079	1.2249	0.1449	0.729089
Gm10521	chr1:171895663-171898237	3.6527	3.9350	0.1074	0.868247
Desi2	chr1:178187416-178252598	16.8892	16.7614	-0.0110	0.914344
2210411M09Rik	chr1:180952063-180958149	7.6958	8.2098	0.0933	0.754166
Fbxo28	chr1:182313101-182341606	17.8585	17.7788	-0.0065	0.931206
Mfsd7b	chr1:191005831-191026190	13.4095	13.2663	-0.0155	0.920385
Ppp2r5a	chr1:191351980-191397041	91.9857	91.0787	-0.0143	0.948524
Gm26879	chr1:192092371-192099630	5.0439	5.4521	0.1123	0.831267
Gypc	chr18:32528321-32560034	14.6865	15.2288	0.0523	0.759999
Spata24	chr18:35656689-35662186	5.5341	5.9447	0.1032	0.825366
Ankhd1	chr18:36559886-36665917	32.1678	32.0271	-0.0063	0.964111
Yipf5	chr18:40204864-40219399	13.6745	13.4451	-0.0244	0.879368
Ythdc2	chr18:44828664-44889720	10.4838	10.8532	0.0500	0.843451
Gm4951	chr18:60212079-60247820	9.0203	8.3594	-0.1098	0.889984
Spire1	chr18:67488208-67552777	0.5391	0.4929	-0.1293	0.827950
4930503L19Rik	chr18:70453139-70472480	19.8816	20.5856	0.0502	0.809527
Nrarp	chr2:25180757-25183330	2.4970	2.6609	0.0917	0.818638
Gm20532	chr2:26586638-26635634	3.1453	3.4339	0.1267	0.768060
Hmcn2	chr2:31314414-31460738	0.1594	0.1772	0.1526	0.826628
Tor2a	chr2:32757233-32762244	14.6674	14.5133	-0.0152	0.915521
Pbx3	chr2:34171456-34373140	0.5964	0.6467	0.1168	0.835425
Arpc5l	chr2:39008075-39015877	27.9294	27.8322	-0.0050	0.958431
Stam2	chr2:52691663-52742281	8.5240	8.4375	-0.0147	0.922030
Dpp4	chr2:62330072-62412231	25.9773	26.7163	0.0405	0.762493
Nfe2l2	chr2:75675512-75704641	12.8559	12.6860	-0.0192	0.907293
Chrm4	chr2:91922188-91929829	2.1729	2.0378	-0.0926	0.898146
Ext2	chr2:93695630-93822568	7.5939	7.8889	0.0550	0.776289
Ttc17	chr2:94300766-94406689	9.4907	9.3819	-0.0166	0.933595
Caprin1	chr2:103762940-103797649	52.3913	53.7931	0.0381	0.740468
Zfp770	chr2:114193460-114201469	4.0838	4.2512	0.0580	0.822858
Sptbn5	chr2:120046156-120085772	0.0573	0.0706	0.3018	0.805038
Atp8b4	chr2:126320972-126500674	1.7910	1.9575	0.1283	0.865318
Gpat2	chr2:127425198-127436092	1.7755	1.6767	-0.0827	0.873770
Mgme1	chr2:144270662-144281227	3.4364	3.6275	0.0781	0.790083
Xrn2	chr2:147012995-147078000	106.8067	109.5774	0.0369	0.810109

Gzf1	chr2:148681022-148692949	11.7630	11.6169	-0.0180	0.914251
Mmp24	chr2:155775341-155818366	2.4349	2.5777	0.0822	0.770099
1110008F13Rik	chr2:156863127-156873563	25.6855	26.5001	0.0450	0.672190
Tti1	chr2:157981802-158028433	15.3796	15.1906	-0.0178	0.917042
Stk4	chr2:164070321-164155524	93.1010	92.8372	-0.0041	0.947204
Gm23201	chr2:167064997-167065086	60.2303	65.4577	0.1201	0.814850
Pard6b	chr2:168081003-168101203	1.8512	1.9757	0.0939	0.803080
Spo11	chr2:172977699-172993576	3.6197	3.4609	-0.0647	0.893427
Gm14325	chr2:177831790-177840336	4.1405	3.9583	-0.0649	0.756636
Uckl1os	chr2:181578479-181585170	8.6058	8.9881	0.0627	0.842753
Pex2	chr3:5560187-5576239	16.5967	17.2150	0.0528	0.731925
Gm16093	chr3:19227779-19240987	14.4010	15.3910	0.0959	0.745760
Tbl1xr1	chr3:22076651-22216594	40.4424	41.4125	0.0342	0.649718
Pgrmc2	chr3:41066325-41083046	8.3841	8.2030	-0.0315	0.920341
Mrpl24	chr3:87919505-87923672	64.9976	64.4926	-0.0113	0.938865
Gatad2b	chr3:90341653-90358120	9.0338	8.8070	-0.0367	0.876412
S100a1	chr3:90511033-90514392	3.8289	3.5577	-0.1060	0.833073
Gm17690	chr3:96167463-96172414	4.7154	4.5848	-0.0405	0.903468
Spag17	chr3:99885405-100143322	1.2738	1.2387	-0.0403	0.848077
Mettl14	chr3:123364644-123385990	6.3662	6.2235	-0.0327	0.924624
Aimp1	chr3:132660497-132683879	48.8400	50.8126	0.0571	0.867776
Gstcd	chr3:132981752-133092033	3.5907	3.5036	-0.0354	0.910264
Manba	chr3:135485610-135571404	6.7915	6.6997	-0.0196	0.873187
Dnajb4	chr3:152178510-152210279	3.1663	3.0520	-0.0530	0.895502
Gm16213	chr3:152920239-152921399	2.3054	2.6340	0.1923	0.824646
Sdcbp	chr4:6365649-6408423	31.4152	32.3772	0.0435	0.838761
Rad54b	chr4:11558919-11615805	2.2442	2.1631	-0.0531	0.897359
Lymm2	chr4:32800252-32801559	14.1047	14.9351	0.0825	0.865200
Kif24	chr4:41390744-41464887	1.6674	1.7671	0.0838	0.866176
Aldh1b1	chr4:45799021-45804604	3.2118	3.4252	0.0928	0.818711
Palm2Akap2	chr4:57568178-57896982	1.8732	1.8160	-0.0447	0.913504
Megf9	chr4:70427064-70534995	0.7825	0.8351	0.0939	0.870965
Ttc4	chr4:106662255-106678944	21.5541	21.2946	-0.0175	0.923100
Zcchc11	chr4:108459425-108559421	15.4506	15.3079	-0.0134	0.933787
Gm25788	chr4:123291343-123291474	11.0529	9.9046	-0.1583	0.845861
Stk40	chr4:126103956-126141029	11.4252	11.8393	0.0514	0.832973
Phc2	chr4:128654701-128752881	8.8227	8.7548	-0.0111	0.920415
S100pbp	chr4:129148004-129189727	10.2120	10.5409	0.0457	0.798768
Gm22767	chr4:132838382-132838547	10.2633	11.3656	0.1472	0.839193
Runx3	chr4:135120651-135177990	2.4862	2.6654	0.1004	0.889268
Pnrc2	chr4:135870917-135873850	94.5061	97.1111	0.0392	0.767372
Cnr2	chr4:135895393-135920207	5.8377	5.6876	-0.0376	0.905731
Minos1	chr4:139101813-139131113	9.1786	8.9004	-0.0444	0.919616
Zbtb17	chr4:141444653-141467930	14.0250	13.8484	-0.0183	0.938128
Mthfr	chr4:148039076-148059551	4.3140	4.4943	0.0591	0.788159
lcmt	chr4:152297226-152307121	11.1359	10.9471	-0.0247	0.916461
Gm11539	chr11:96248632-96249189	1.1530	1.3432	0.2202	0.776708
Hoxb3	chr11:96323325-96346685	0.3281	0.2891	-0.1827	0.833052
Tcam1	chr11:106276671-106288745	0.3632	0.4173	0.2005	0.831268
Gm17586	chr11:120633767-120635125	1.3965	1.2190	-0.1962	0.824833
Gpr137b	chr13:13357622-13393624	0.4147	0.3705	-0.1628	0.860664
Trgv2	chr13:19336572-19337026	4.2981	3.9015	-0.1397	0.848275
Ccdc146	chr5:21292960-21424677	0.2330	0.2711	0.2183	0.811455
Pxmp2	chr5:110274281-110286186	1.8783	2.1436	0.1906	0.822369
Gm15747	chr5:123393648-123397957	3.4853	3.1452	-0.1481	0.889136
5430402O13Rik	chr6:50566642-50594865	1.5671	1.8143	0.2114	0.797572
Zfp784	chr7:5034438-5038446	3.1919	3.8314	0.2634	0.691965
Gm9990	chr7:97720838-97722924	1.0269	0.9283	-0.1456	0.840349
Prss8	chr7:127925724-127930113	0.7181	0.6512	-0.1412	0.851367
Snord111	chr8:110838527-110838616	21.0577	18.9574	-0.1516	0.871245
Gm25630	chr9:35474884-35475046	3.8225	4.6280	0.2759	0.851662
Gm5648	chrX:121334987-121336574	0.4952	0.4344	-0.1889	0.827235
Tmsb15b1	chrX:136974021-136976874	5.1157	5.7926	0.1793	0.813764
Gm20405	chr15:65857868-65858356	3.2862	3.8544	0.2301	0.766799
Csf2rb	chr15:78325989-78351000	0.1658	0.1402	-0.2423	0.826307
Trav7-d-3	chr14:52744248-52744839	1.9928	1.6788	-0.2474	0.772378
Trav16	chr14:53743103-53743706	4.4653	4.0096	-0.1553	0.846808
Traj43	chr14:54174741-54174798	49.8639	45.5613	-0.1302	0.904742
Gm26536	chr14:62836907-62838207	1.3625	1.2064	-0.1756	0.848595
Gm20109	chr17:28522380-28523148	0.8593	1.0973	0.3527	0.792146
Gm9493	chr19:23619741-23620320	0.9834	1.1617	0.2404	0.802759

Gm13423	chr2:23202032-23203683	2.6521	2.4227	-0.1306	0.868364
Gm14023	chr2:129297369-129307826	0.3850	0.3174	-0.2786	0.832589
Gm26771	chr3:83773852-83789956	2.8719	3.2134	0.1621	0.835718
Pde5a	chr3:122729157-122859374	0.2191	0.1959	-0.1620	0.858586
Gm11942	chr4:32964887-32965232	1.9791	2.2977	0.2153	0.752890
Tspan1	chr4:116161868-116167601	0.6096	0.7195	0.2391	0.827873
Tlr12	chr4:128615445-128618619	1.3944	1.5305	0.1344	0.841606
Gm13251	chr4:146449022-146470292	0.4296	0.4929	0.1983	0.860947
Gm12243	chr11:57572511-57574595	0.8297	0.6768	-0.2938	0.858044
4933424L21Rik	chr11:57623697-57649494	0.6234	0.5394	-0.2088	0.870572
4930544D05Rik	chr11:70615847-70616890	0.7893	0.6649	-0.2475	0.876237
Gm11527	chr11:95858161-95859174	1.1590	1.3751	0.2467	0.839842
Gm11657	chr11:107994021-107994631	2.5521	3.0866	0.2743	0.830000
Nsg1	chr5:38137192-38159467	0.4702	0.5515	0.2299	0.852224
Gm16938	chr7:98177193-98185597	0.3302	0.3736	0.1782	0.825684
Gm7027	chr7:101573459-101574321	1.5821	1.3627	-0.2154	0.861909
Gm10602	chr7:101836750-101837363	1.6420	1.9071	0.2159	0.862630
2310010G23Rik	chrX:36814770-36817185	0.6946	0.8552	0.3002	0.808016
Gm14549	chrX:36814770-36817200	0.6845	0.8428	0.3002	0.808016
Tpt1-ps6	chrX:101768534-101769057	1.3324	1.5158	0.1860	0.793171
Abra	chr15:41865292-41869720	0.3712	0.4446	0.2602	0.826454
Mustn1	chr14:30879256-30881608	0.7521	0.9272	0.3020	0.801965
2310016D23Rik	chr1:60778842-60803790	1.9118	1.6310	-0.2292	0.786134
Dnm3	chr1:161982452-162478034	0.0622	0.0736	0.2411	0.829661
Ptgs1	chr2:36230425-36252272	0.2456	0.2084	-0.2370	0.880307
Gm10964	chr3:103739365-103746376	9.1613	7.8564	-0.2217	0.869613
1700060J05Rik	chr4:53562982-53564697	0.8920	0.7719	-0.2087	0.872504
NA	chr11:75696390-75696461	8.6428	7.4160	-0.2209	0.658370
E130304I02Rik	chr7:35802592-35803027	1.3275	1.5593	0.2322	0.715524
Mical1	chr10:41476313-41487032	28.5116	29.2801	0.0384	0.790811
Gm11944	chr11:3308995-3320722	3.5971	3.3768	-0.0912	0.916390
Grb7	chr11:98446393-98455373	2.6427	2.7834	0.0748	0.821373
Nin	chr12:70011434-70111925	28.8966	29.6090	0.0351	0.754594
Zkscan14	chr5:145194945-145201868	10.5033	10.3517	-0.0210	0.910919
Aktip	chr8:91112040-91134465	19.9954	19.8009	-0.0141	0.935536
9530077C05Rik	chr9:22411576-22444677	0.6519	0.7382	0.1795	0.803793
Ulk3	chr9:57589451-57596233	6.6227	6.4829	-0.0308	0.934936
Myg1	chr15:102331708-102338139	16.8676	17.3527	0.0409	0.700303
Trav4-3	chr14:53598907-53599410	2.6520	3.0772	0.2146	0.865087
Mir3082	chr17:25831364-25831428	88.7495	93.7567	0.0792	0.713108
Hmgn1	chr16:96120617-96127729	13.1225	13.6624	0.0582	0.873696
Gm26686	chr1:128770598-128774421	0.2890	0.2445	-0.2414	0.887634
Rnpep	chr1:135262711-135284084	19.5908	20.1757	0.0424	0.805735
Pydc3	chr1:173673674-173698392	15.6122	16.1704	0.0507	0.866537
4930535I16Rik	chr4:123917503-123918022	1.9210	2.1977	0.1942	0.841632
Cep85	chr4:134129857-134187112	10.4173	10.7447	0.0446	0.838563
Tcf25	chr8:123373823-123404173	91.4801	93.7247	0.0350	0.753252
Brpf3	chr17:28801089-28838546	2.2991	2.2406	-0.0372	0.920250
Psmg1	chr16:95979932-95990960	22.2035	21.9073	-0.0194	0.932161
Gm2178	chr14:26514553-26514910	2.2915	2.0234	-0.1796	0.839443
Smc1b	chr15:85064690-85131957	0.1283	0.1578	0.2985	0.833111
Tbc1d1	chr5:64159450-64351486	17.8288	17.7302	-0.0080	0.960501
Gpx4	chr10:80047165-80056439	10.3223	10.7630	0.0603	0.862500
Acadvl	chr11:70010182-70015411	35.6778	36.6770	0.0399	0.742971
Glod4	chr11:76120986-76243725	13.6506	14.0993	0.0467	0.843793
F730043M19Rik	chr12:33111710-33147597	14.5242	15.0535	0.0516	0.878713
Gm21971	chr12:102673016-102727333	3.4914	3.3680	-0.0519	0.932707
Skiv2l2	chr13:112867779-112927380	37.6962	37.4769	-0.0084	0.958556
NA	chr5:5781529-5783607	1.1229	1.0387	-0.1125	0.863513
Gm26825	chr5:5781529-5783636	1.1518	1.0653	-0.1125	0.863513
Nat14	chr7:4922250-4925006	1.0132	1.1322	0.1603	0.852081
Cldnd2	chr7:43440781-43443328	2.1683	1.9479	-0.1546	0.874496
Gdpd5	chr7:99381548-99460983	8.3454	8.1759	-0.0296	0.933596
Gga2	chr7:121986721-122021222	1.0401	1.0909	0.0688	0.767915
Gm17169	chr8:81790557-81790908	16.1948	15.5460	-0.0590	0.911719
D230025D16Rik	chr8:105225144-105253053	6.7036	6.9160	0.0450	0.740551
Dcun1d5	chr9:7184565-7207031	75.4758	75.0655	-0.0079	0.954823
Eme2	chr17:24888485-24895087	19.3045	19.8512	0.0403	0.806182
Cyp4f17	chr17:32506461-32528894	3.9265	3.7360	-0.0718	0.908240
Arl6	chr16:59612948-59639391	1.7288	1.8560	0.1024	0.805345
Pcyox1l	chr18:61696836-61707635	1.7319	1.6355	-0.0826	0.903833

Mdk	chr2:91929804-91932297	3.3628	3.1704	-0.0850	0.906804
NA	chr4:108622928-108625216	11.0596	10.9072	-0.0200	0.918672
Gucy2g	chr19:55198296-55241236	0.3651	0.4056	0.1518	0.735713
Pawr	chr10:108332188-108414391	0.4323	0.5263	0.2838	0.856319
Zfp672	chr11:58315113-58323346	12.1141	12.4597	0.0406	0.620025
Camk1	chr6:113334123-113343984	0.7924	0.7558	-0.0682	0.872431
Rdm1	chr11:101627194-101636100	10.9611	10.7184	-0.0323	0.913526
Gm17193	chr12:84922541-84923512	3.5365	3.3237	-0.0895	0.883828
Tes3-ps	chr13:49493614-49494819	1.4085	1.5345	0.1237	0.756384
Wdr41	chr13:94976343-95023314	5.0200	5.2403	0.0620	0.838423
Ephx4	chr5:107402735-107430035	0.7062	0.7827	0.1483	0.680102
Flt3	chr5:147330740-147400489	0.1608	0.1480	-0.1202	0.773228
Gm13835	chr6:31141978-31142663	6.1933	6.6369	0.0998	0.823886
Gm26625	chr6:47546665-47551704	3.4398	3.6412	0.0821	0.830478
Rpsud3	chr6:113415318-113419348	4.3777	4.2452	-0.0443	0.897660
Cmtm4	chr8:104348190-104395807	3.6001	3.5300	-0.0284	0.921027
Fam149b	chr14:20348161-20383489	17.5116	17.3845	-0.0105	0.955469
Gm16538	chr19:5727205-5731627	9.1037	8.6839	-0.0681	0.905794
Gm4956	chr1:21285245-21298312	102.9275	106.0204	0.0427	0.882554
Zfand2b	chr1:75168645-75171629	10.5345	10.3406	-0.0268	0.926632
Cops8	chr1:90603424-90613341	29.3749	29.1289	-0.0121	0.931977
Agps	chr2:75832176-75931350	14.5557	14.9150	0.0352	0.765109
Cks2	chr13:51645231-51650660	1.1408	1.3238	0.2147	0.833960
Ctla2b	chr13:60895350-60897447	1.5652	1.7838	0.1886	0.870716
NA	chr1:193207749-193254474	4.4751	4.0523	-0.1432	0.834791
BC026585	chr1:157458579-157489060	0.8684	0.9958	0.1975	0.877800
Kdf1	chr4:133518962-133530790	0.3044	0.3662	0.2669	0.872021
Gm16210	chr10:39752258-39752868	2.5100	2.3054	-0.1227	0.862090
Hace1	chr10:45577828-45712345	4.5783	4.5525	-0.0081	0.952603
Tbcd32	chr10:56014297-56228689	1.6867	1.6450	-0.0361	0.921516
Fam49a	chr12:12262138-12376359	16.8116	17.2543	0.0375	0.766432
Coq6	chr12:84361656-84373796	6.9123	6.7997	-0.0237	0.936559
Fos	chr12:85473889-85477273	5.8380	6.1656	0.0788	0.874857
1700001K19Rik	chr12:110667688-110682619	1.4979	1.6669	0.1542	0.850614
Eif5	chr12:111538100-111546753	76.1353	75.8612	-0.0052	0.976049
Tcrg-V4	chr13:19184980-19185501	4.5040	4.0203	-0.1639	0.867723
Gm26877	chr13:41359970-41370908	4.7213	4.4311	-0.0915	0.919377
Hiat1	chr13:65064662-65112982	21.1049	21.6752	0.0385	0.813219
Mob1b	chr5:88720854-88762058	3.6527	3.7605	0.0420	0.714709
Pilra	chr5:137821951-137836268	1.1182	1.2089	0.1125	0.860739
Taf6	chr5:138178616-138187451	16.9261	16.7681	-0.0135	0.946874
Gm26938	chr5:139807977-139826407	5.2344	5.0455	-0.0530	0.802301
Zfp12	chr5:143235162-143248834	9.0819	9.3389	0.0403	0.729716
Ica1	chr6:8630526-8778488	1.8500	1.9655	0.0873	0.822091
Sumf1	chr6:108107027-108185582	6.4343	6.2971	-0.0311	0.941349
Dcp1b	chr6:119175251-119221614	5.7868	5.9579	0.0420	0.405622
Trpm4	chr7:45303154-45333780	4.4836	4.3929	-0.0295	0.927819
Fes	chr7:80377757-80387946	1.0080	1.0850	0.1062	0.807519
Spn	chr7:127132231-127137823	231.3361	236.7705	0.0335	0.800320
Gm1840	chr8:5639583-5640996	2.3784	2.2713	-0.0665	0.818294
Wdr83	chr8:85075034-85081306	12.6982	12.5825	-0.0132	0.948616
Fam96b	chr8:104639838-104641965	25.9719	26.8769	0.0494	0.836389
Gm8116	chr9:78820422-78821892	0.6010	0.6835	0.1856	0.804649
Xlr4c	chrX:73233687-73243130	3.7036	3.5464	-0.0626	0.906169
Zc3h7b	chr15:81744847-81796269	7.3859	7.2904	-0.0188	0.935195
Creld2	chr15:88819645-88826681	21.0042	21.8126	0.0545	0.820999
Zmiz1os1	chr14:25455736-25461128	1.1922	1.2735	0.0952	0.838225
Ddhd1	chr14:45593173-45658143	8.0390	8.3184	0.0493	0.849950
Rb1	chr14:73183672-73325822	27.2083	27.9346	0.0380	0.812383
Tmprss3	chr17:31179271-31198975	0.3913	0.4463	0.1897	0.842414
Gm26510	chr17:70874351-70924996	6.4269	6.2702	-0.0356	0.891732
Epas1	chr17:86753906-86833410	0.3073	0.3373	0.1345	0.837805
Nrros	chr16:32142784-32165594	24.9290	25.5814	0.0373	0.796143
Atg2a	chr19:6241667-6262335	8.9250	8.8579	-0.0109	0.957060
Mgea5	chr19:45750260-45783520	101.4130	101.3859	-0.0004	0.996366
Atic	chr1:71557149-71579631	27.1816	27.0949	-0.0046	0.973897
Zfp281	chr1:136624900-136630053	43.9451	43.8568	-0.0029	0.979319
Taf3	chr2:9914551-10048596	3.2196	3.1610	-0.0265	0.924394
Gm14137	chr2:119174508-119177575	1.4633	1.3950	-0.0689	0.922189
Gm14212	chr2:126864502-126865328	2.8270	2.5999	-0.1208	0.879979
Mkks	chr2:136873779-136891389	7.0178	7.3075	0.0584	0.839850

Toe1	chr4:116794309-116807640	17.5649	17.2907	-0.0227	0.946673
Zfp691	chr4:119169512-119174195	2.3385	2.4745	0.0815	0.805758
NA	chr15:62217540-62219403	0.8752	0.9914	0.1799	0.873106
Trav4-2	chr14:53418348-53418872	1.4754	1.7628	0.2568	0.803307
Appbp2os	chr11:85235170-85238304	1.8680	2.1081	0.1745	0.793920
Zfp579	chr7:4983482-4996158	1.4141	1.3553	-0.0613	0.912773
Twf2	chr9:106203107-106215387	71.4503	71.1293	-0.0065	0.967708
Ndufb4	chr16:37647169-37654453	7.7735	8.2131	0.0794	0.862024
Gpr155	chr2:73341505-73386572	7.3773	7.6650	0.0552	0.867698
Ralgapb	chr2:158409847-158499253	15.1819	15.1579	-0.0023	0.980341
Eepd1	chr9:25481546-25604110	0.4753	0.4299	-0.1446	0.894525
Cep83	chr10:94688789-94790336	20.5983	21.2807	0.0470	0.862794
Agap2	chr10:127078906-127093169	31.5440	32.3995	0.0386	0.848602
Senp3	chr11:69673114-69682084	23.0224	22.9151	-0.0067	0.957072
Cbx8	chr11:119036304-119040969	4.2750	4.1957	-0.0270	0.900562
Dancr	chr5:74093059-74095405	5.2287	5.1318	-0.0270	0.866294
Cit	chr5:115845277-116008947	1.5923	1.6631	0.0628	0.902749
Cops7a	chr6:124958412-124965538	16.5183	16.3799	-0.0121	0.948342
Strap	chr6:137735077-137751932	38.6637	39.7660	0.0406	0.836562
G730046D07Rik	chr7:126565918-126566380	21.1670	20.6099	-0.0385	0.914858
Tcta	chr9:108302958-108305951	8.0913	8.4218	0.0578	0.768729
Exosc7	chr9:123113214-123136129	17.3671	17.1017	-0.0222	0.934252
Wdr45	chrX:7721972-7728201	11.2220	11.6082	0.0488	0.768797
Zdhhc9	chrX:48171968-48208878	1.0675	1.1189	0.0678	0.705806
Tmem65	chr15:58782268-58823530	16.6989	17.1773	0.0407	0.817685
Irga5	chr15:103344288-103366763	0.8301	0.8885	0.0981	0.810077
Mtmr6	chr14:60265204-60302370	29.6668	29.4840	-0.0089	0.958855
Fam188a	chr2:12347262-12419469	13.7835	13.6772	-0.0112	0.956395
Sox12	chr2:152393610-152398063	0.2760	0.3105	0.1699	0.864043
Gm12454	chr4:43504427-43508747	2.4625	2.3143	-0.0896	0.875709
Gm14636	chrX:19156980-19167241	0.3090	0.2830	-0.1266	0.899944
Clybl	chr14:122181693-122402232	1.9121	2.0970	0.1332	0.852643
AA474331	chr10:39890017-39899238	4.1538	4.3247	0.0582	0.816579
Adamts14	chr10:61197111-61273438	0.1426	0.1632	0.1947	0.811890
Socs3	chr11:117966078-117970047	59.8010	61.7400	0.0460	0.874918
Cox7c	chr13:86044815-86046904	17.0430	16.6721	-0.0318	0.927790
Mtx3	chr13:92844786-92858230	7.4555	7.6899	0.0447	0.796554
Gm15519	chr6:112563641-112565207	0.6579	0.5986	-0.1364	0.860992
Cln8	chr8:14881334-14901720	2.0336	1.9847	-0.0352	0.921531
Puf60	chr15:76070183-76080946	99.0762	101.5428	0.0355	0.807893
Apoa1bp	chr3:88056522-88058495	40.5599	41.8203	0.0441	0.844733
2010016118Rik	chr3:106482012-106483437	69.2881	68.8660	-0.0088	0.969836
Spata6	chr4:111719983-111829184	7.5084	7.4498	-0.0113	0.959741
Gm12036	chr11:20729419-20729949	4.9238	4.5555	-0.1121	0.891268
2010109103Rik	chr15:74878335-74881704	0.9436	0.8500	-0.1508	0.870527
Traj38	chr14:54180573-54180635	20.3680	23.0834	0.1806	0.876305
Kntc1	chr5:123749725-123821593	8.0086	7.9090	-0.0181	0.943887
Trpc2	chr7:102065510-102096864	5.6709	5.6374	-0.0086	0.949297
Vps35	chr8:85260396-85299513	48.6365	49.8698	0.0361	0.828636
Grasp	chr15:101224206-101232755	2.4245	2.3360	-0.0536	0.889406
Ntn1	chr11:68209363-68400823	2.8771	2.9854	0.0533	0.773436
Hdac5	chr11:102194431-102230166	3.5131	3.4626	-0.0209	0.946628
Fam179b	chr12:64965741-65022573	14.7465	15.1301	0.0371	0.761504
2810474O19Rik	chr6:149309413-149335658	78.7911	78.5489	-0.0044	0.977545
Mrpl46	chr7:78775235-78783531	18.0806	17.7646	-0.0254	0.942480
4933406J10Rik	chr7:82743367-82755644	0.9819	1.1129	0.1806	0.875454
Hook3	chr8:26021420-26119224	12.2920	12.5913	0.0347	0.771122
Gm22107	chr15:77840656-77840756	20.3731	21.9651	0.1085	0.864593
Fam109b	chr15:82338941-82345743	1.6428	1.5800	-0.0562	0.880620
Zbed4	chr15:88751659-88784516	1.0647	1.1277	0.0830	0.829918
Ripk3	chr14:55784995-55788857	32.2456	31.9156	-0.0148	0.951307
Dusp5	chr19:53529108-53542431	39.3827	38.9995	-0.0141	0.961418
NA	chr1:119526424-119528224	20.3170	20.0610	-0.0183	0.946725
Surf4	chr2:26920039-26933928	69.7032	71.2531	0.0317	0.705332
Insrr	chr3:87796950-87816101	0.3617	0.3336	-0.1168	0.885299
Gm26857	chr4:3678116-3689548	0.2823	0.3152	0.1592	0.821241
1700040L02Rik	chr10:68430952-68541896	1.0427	1.1750	0.1723	0.818830
Gm20488	chr5:149368475-149430682	0.4715	0.4327	-0.1238	0.882258
Gm14232	chr2:131159536-131171342	1.6728	1.5282	-0.1305	0.834087
Morf411	chr9:90091670-90114820	9.4970	9.3456	-0.0232	0.906192
E130308A19Rik	chr4:59626210-59761439	2.8075	2.9160	0.0547	0.886949

Cnksr3	chr10:7119062-7212237	3.1397	3.0894	-0.0233	0.935043
Aig1	chr10:13647053-13868980	2.6250	2.7119	0.0470	0.794335
Hmgb1-ps8	chr10:22262741-22263367	82.1027	81.6404	-0.0081	0.964425
Akap7	chr10:25169089-25307870	2.5088	2.6131	0.0588	0.867093
Ccdc162	chr10:41538845-41709300	0.1907	0.2108	0.1444	0.867412
Gm20441	chr10:75771450-75780954	10.2582	10.7112	0.0623	0.855898
Sgta	chr10:81044074-81060178	24.6606	24.3930	-0.0157	0.954870
Celf5	chr10:81459226-81482709	0.1131	0.1000	-0.1772	0.892148
Gm17249	chr10:84619331-84622578	2.1444	2.2627	0.0775	0.772133
Cfap54	chr10:92775618-93081618	0.2761	0.2678	-0.0443	0.925506
Spryd4	chr10:128209907-128211794	9.6080	9.9941	0.0568	0.876944
Fam161a	chr11:23007530-23030788	0.4170	0.4504	0.1112	0.873318
Gm25296	chr11:48800865-48800932	22.8813	20.9408	-0.1279	0.876022
Canx	chr11:50293960-50325673	126.9773	129.9425	0.0333	0.870189
Rmnd5b	chr11:51623670-51635896	23.9381	24.6676	0.0433	0.833261
Gpx3	chr11:54902452-54910377	2.7957	3.0165	0.1097	0.897658
Gm12256	chr11:58889709-58891548	23.8537	23.2321	-0.0381	0.932156
Mrpl55	chr11:59202485-59206134	12.7608	13.3182	0.0617	0.790276
Gid4	chr11:60417144-60450927	8.7976	8.7472	-0.0083	0.969342
Usp22	chr11:61151784-61175055	15.0397	14.9840	-0.0053	0.964846
Prpsap2	chr11:61729649-61762088	8.0663	7.9354	-0.0236	0.934255
Zfp3	chr11:70764208-70772928	4.3565	4.6472	0.0932	0.879660
Dph1	chr11:75177642-75191241	13.5658	13.9401	0.0393	0.875599
Slc43a2	chr11:75531693-75577575	9.1049	9.0525	-0.0083	0.973957
Dhrs13os	chr11:78030011-78032665	2.1475	2.2580	0.0724	0.791504
Tlcd1	chr11:78176710-78181909	3.9177	4.0386	0.0439	0.793237
Med13	chr11:86267032-86357602	27.5565	27.5368	-0.0010	0.993986
Nkiras2	chr11:100619243-100627607	7.9534	8.2166	0.0470	0.819758
Tex2	chr11:106502146-106613423	16.6504	17.0641	0.0354	0.824073
Gm25994	chr11:106783170-106783271	913.9576	939.8370	0.0403	0.833944
Prkca	chr11:107933386-108343928	26.3079	26.2326	-0.0041	0.982777
Slc16a6	chr11:109450854-109473598	7.8202	8.0527	0.0423	0.837317
Smim5	chr11:115899965-115906269	1.2484	1.1882	-0.0713	0.924331
Cant1	chr11:118406288-118419086	14.8117	14.7523	-0.0058	0.973303
Slc38a10	chr11:120103959-120151346	25.0614	25.0347	-0.0015	0.992679
Rnaseh1	chr12:28649601-28659591	17.0835	17.7867	0.0582	0.886194
Immp2l	chr12:41024089-41955588	1.5181	1.4067	-0.1099	0.911665
Lrrn3	chr12:41451672-41485751	2.6886	2.6439	-0.0242	0.922736
Zfp410	chr12:84316858-84343830	16.4842	16.9229	0.0379	0.793471
Gstz1	chr12:87147706-87164721	8.9521	9.2926	0.0539	0.874126
Ighj1	chr12:113429780-113429833	81.2193	85.2598	0.0700	0.735501
Dnah11	chr12:117877981-118199043	1.3897	1.3711	-0.0195	0.941740
Dip2c	chr13:9276527-9668928	1.1088	1.0815	-0.0361	0.887213
Dusp22	chr13:30659998-30711231	2.3040	2.1447	-0.1034	0.894341
Smim13	chr13:41249859-41276574	4.4995	4.6580	0.0499	0.826943
Tpmt	chr13:47025169-47044737	1.4799	1.6082	0.1199	0.861690
Ddx41	chr13:55530409-55536658	37.8205	37.6638	-0.0060	0.970340
Zfp87	chr13:67515780-67526177	15.1751	15.0847	-0.0086	0.968920
Lysmd3	chr13:81657805-81671888	16.3014	16.2164	-0.0075	0.946493
Aggf1	chr13:95350682-95375352	25.5566	25.5211	-0.0020	0.981757
Polk	chr13:96480688-96542485	9.9457	10.1958	0.0358	0.803065
Fam169a	chr13:97067286-97129521	0.8794	0.9341	0.0870	0.777375
Parp8	chr13:116854823-117025516	19.5723	20.0606	0.0356	0.769479
Tmem60	chr5:20882190-20886870	11.1386	10.8721	-0.0349	0.943801
Ctbp1	chr5:33247723-33275004	73.1415	74.9496	0.0352	0.854381
4931431C16Rik	chr5:35581226-35588763	2.8433	2.7725	-0.0364	0.911389
Pacrgl	chr5:48372391-48388756	4.5305	4.7613	0.0717	0.785705
Klf3	chr5:64803522-64830129	48.9983	48.9514	-0.0014	0.990651
Cnga1	chr5:72603695-72642752	0.3513	0.3230	-0.1213	0.900288
Rassf6	chr5:90603075-90640487	1.2565	1.1846	-0.0851	0.913969
Pgam5	chr5:110259129-110269913	23.3857	23.3392	-0.0029	0.969598
Sart3	chr5:113742445-113771649	20.3108	20.7876	0.0335	0.800229
Ptpn11	chr5:121130532-121191397	27.8004	27.7169	-0.0043	0.982216
Zcchc8	chr5:123698301-123721044	16.8822	16.8550	-0.0023	0.972261
Gm15621	chr5:124472426-124472790	3.3060	2.9990	-0.1406	0.910245
Gpr133	chr5:129096749-129204599	0.3611	0.3474	-0.0555	0.888288
Clip2	chr5:134489385-134552434	5.4743	5.4031	-0.0189	0.947431
Ap4m1	chr5:138172001-138178708	6.2279	6.4178	0.0433	0.816911
Get4	chr5:139252323-139270051	9.7507	10.0849	0.0486	0.858832
Arpc1a	chr5:145083829-145108761	19.3979	19.2645	-0.0100	0.959722
Lnx2	chr5:147016654-147076586	20.8706	21.4544	0.0398	0.873902

Rpa3	chr6:8255935-8259173	12.0096	11.8298	-0.0218	0.939276
Zfp800	chr6:28239930-28398005	16.2551	16.6656	0.0360	0.829914
Agk	chr6:40325477-40396762	4.8022	5.0059	0.0599	0.821199
Chmp3	chr6:71543796-71582609	30.3916	31.1453	0.0353	0.857740
Sema4f	chr6:82911884-82939769	1.8841	1.8164	-0.0528	0.940752
Gm24816	chr6:90681369-90681518	5.9266	6.6099	0.1574	0.903543
Tsen2	chr6:115544663-115578350	2.3412	2.4293	0.0533	0.812958
Ergic2	chr6:148179078-148212374	15.7325	16.1273	0.0358	0.806681
Ipo8	chr7:148770682-148831467	13.8759	14.1872	0.0320	0.685272
Pirb	chr7:3711408-3720391	0.2083	0.1889	-0.1412	0.821499
Mzf1	chr7:13042302-13054764	0.3356	0.3213	-0.0628	0.894823
Rps19	chr7:24884370-24889806	43.3168	43.2090	-0.0036	0.987987
9130221H12Rik	chr7:25228686-25230257	32.7368	32.5474	-0.0084	0.950552
Erf	chr7:25242560-25250761	6.4878	6.7084	0.0482	0.872038
Tbcb	chr7:30224130-30232272	22.3079	23.0472	0.0470	0.873359
Gm26247	chr7:44248089-44248180	31.1906	29.7821	-0.0667	0.860311
Nup62	chr7:44816087-44830809	22.1322	21.9629	-0.0111	0.952571
Tead2	chr7:45215752-45233635	0.7730	0.7461	-0.0511	0.930629
Rasip1	chr7:45627487-45639093	0.6708	0.7310	0.1240	0.864108
Tmem86a	chr7:47050639-47054776	0.8317	0.7753	-0.1013	0.911044
Fancf	chr7:51860576-51862267	6.7986	7.1199	0.0666	0.895370
Ndn12	chr7:64867051-64872997	4.7807	4.7378	-0.0130	0.946669
Snrpa1	chr7:66060298-66074582	24.4559	24.3631	-0.0055	0.977500
Lrrk1	chr7:66226911-66388350	0.2398	0.2594	0.1130	0.888258
Mrps11	chr7:78783118-78792989	6.8543	7.1603	0.0630	0.858484
Arrb1	chr7:99535465-99606771	11.5841	11.5730	-0.0014	0.991332
Pold3	chr7:100082110-100121565	20.6375	20.5619	-0.0053	0.975580
Trim3	chr7:105604462-105633571	1.2947	1.3545	0.0652	0.807663
Uqcr2	chr7:120635175-120659478	70.6727	72.5042	0.0369	0.870258
BC030336	chr7:120677619-120734854	6.2071	6.1437	-0.0148	0.945699
Sez6l2	chr7:126950562-126970606	0.7125	0.6841	-0.0587	0.860920
9130019O22Rik	chr7:127382259-127387166	3.2962	3.4178	0.0523	0.761144
Pstk	chr7:131371140-131387839	10.9883	10.8833	-0.0139	0.950934
Acadsb	chr7:131410600-131446211	8.4644	8.6965	0.0390	0.816629
Mtg1	chr7:140137563-140150786	2.7620	2.7189	-0.0227	0.943218
Gm21769	chr8:20122364-20126624	0.9530	0.9068	-0.0717	0.918207
Gm21811	chr8:20136454-20150494	1.2188	1.3008	0.0940	0.904454
Rbpms	chr8:33782642-33929863	0.5409	0.5886	0.1219	0.861549
Atp6v1b2	chr8:69088645-69113711	13.0610	12.9384	-0.0136	0.955231
Zfp963	chr8:69741638-69749970	5.3513	5.5373	0.0493	0.793181
Cers1	chr8:70315786-70331587	0.7240	0.7783	0.1043	0.876500
1700030K09Rik	chr8:72443879-72461001	3.4984	3.4147	-0.0349	0.934265
Gpr97	chr8:95017691-95045247	0.6922	0.7439	0.1040	0.898238
Pkd1l3	chr8:109614516-109672592	3.0914	3.0547	-0.0172	0.954211
Gm17344	chr8:109859983-109868455	17.6432	17.4828	-0.0132	0.959409
Gm15655	chr8:115705077-115707233	71.8058	74.7658	0.0583	0.900851
Emc8	chr8:120653913-120668573	5.2975	5.2555	-0.0115	0.959726
Banp	chr8:121949749-122029258	7.0295	6.9621	-0.0139	0.954291
Zfp599	chr9:22247429-22259895	5.3094	5.5216	0.0565	0.866741
Cdon	chr9:35421127-35507651	12.7771	13.0654	0.0322	0.816601
Gm26787	chr9:36767886-36782670	5.0932	4.9161	-0.0511	0.882213
Sorl1	chr9:41964719-42124297	16.3370	16.8161	0.0417	0.874263
Bco2	chr9:50533086-50555181	2.6446	2.5494	-0.0529	0.921565
Ppcdc	chr9:57412667-57440114	25.1678	25.8284	0.0374	0.878167
Csnk1g1	chr9:65908973-66045009	6.5209	6.6840	0.0357	0.800908
Gcom1	chr9:71479324-71592265	20.0135	20.6147	0.0427	0.844726
Gm20537	chr9:88407431-88456616	57.9829	57.7097	-0.0068	0.968651
Xrn1	chr9:95954759-96053027	18.3943	18.8075	0.0320	0.845289
Dbr1	chr9:99575798-99584463	16.0004	15.8827	-0.0107	0.952748
Atp2c1	chr9:105403538-105521257	16.3118	16.2772	-0.0031	0.978180
Gm9917	chr9:107558809-107568415	10.4016	10.6627	0.0358	0.770638
Amigo3	chr9:108053158-108055701	5.2569	5.5231	0.0713	0.872056
Ipbk2	chr9:108795993-108806333	17.4685	18.0740	0.0492	0.842511
Ccdc51	chr9:109082495-109093363	4.3117	4.5053	0.0634	0.868402
Zfp445	chr9:122851913-122862128	45.4462	46.5231	0.0338	0.847320
Syp	chrX:7638470-7653256	2.0745	2.0367	-0.0266	0.823290
Med14	chrX:12675368-12762073	15.1211	15.1128	-0.0008	0.993836
Gpr34	chrX:13632088-13640858	13.0704	13.4937	0.0460	0.814032
C330007P06Rik	chrX:36823736-36874111	5.6174	5.7744	0.0398	0.764451
Gm14869	chrX:109120800-109121684	1.1518	1.0630	-0.1157	0.875536
Wbp5	chrX:136245078-136247139	22.5981	23.2974	0.0440	0.821110

A230072E10Rik	chrX:151291973-151344846	1.4122	1.4922	0.0795	0.884734
Fam134b	chr15:25843263-25973687	48.4572	48.4455	-0.0003	0.997502
St3gal1	chr15:67102874-67113992	9.0557	9.3155	0.0408	0.815788
Zfat	chr15:68083765-68258856	1.8913	1.8633	-0.0215	0.953697
Kctd17	chr15:78428563-78438909	5.5192	5.7735	0.0650	0.893233
Csnk1e	chr15:79417855-79443919	4.1818	4.3167	0.0458	0.806525
Gm16059	chr15:79427219-79431629	0.7072	0.7543	0.0930	0.676963
Gm22077	chr15:80080250-80080343	43.2938	45.7174	0.0786	0.842993
Mir5113	chr15:80940038-80940120	16.7246	18.3696	0.1354	0.871316
Mcat	chr15:83546796-83555711	10.0016	9.8722	-0.0188	0.943415
Tbc1d22a	chr15:86214458-86498503	17.8126	17.7316	-0.0066	0.968788
Ccnt1	chr15:98538688-98570923	18.2459	18.1498	-0.0076	0.969300
Rpgrip1	chr14:52110703-52163546	5.8235	5.9707	0.0360	0.827846
Gm26590	chr14:52197501-52213852	18.2442	18.0379	-0.0164	0.954022
Traj27	chr14:54192302-54192361	63.9039	61.4098	-0.0574	0.932546
Kcnrg	chr14:61607481-61611916	2.0681	2.2696	0.1341	0.885514
Rap2a	chr14:120478460-120507194	2.9534	2.9126	-0.0201	0.842053
Gm26130	chr17:12919584-12919722	28.0856	29.8522	0.0880	0.908477
Acat2	chr17:12942889-12960747	5.3225	5.5679	0.0650	0.866765
Nme3	chr17:24896499-24897522	17.9133	18.7277	0.0641	0.834263
Bnip1	chr17:26781078-26792565	4.3262	4.2824	-0.0147	0.938032
Kifc5b	chr17:26917090-26932579	1.8863	1.9873	0.0753	0.883185
Ppil1	chr17:29250802-29264158	21.2075	21.8067	0.0402	0.849951
Akap8	chr17:32303675-32321153	79.5747	79.5760	0.0000	0.999859
Rxb1	chr17:34031811-34038393	15.7912	16.2045	0.0373	0.805240
Abcf1	chr17:35956818-35969761	36.1819	36.1973	0.0006	0.994345
Gm26904	chr17:46471500-46825221	6.5925	6.4853	-0.0236	0.947183
Smchd1	chr17:71344488-71475343	32.4886	32.5302	0.0018	0.986136
1110020A21Rik	chr17:84954966-84957710	1.8393	1.6967	-0.1164	0.897124
Snn	chr16:11066297-11074983	5.0859	5.3185	0.0645	0.889767
2610020C07Rik	chr16:11203382-11225796	6.7643	7.0118	0.0519	0.847209
Ppil2	chr16:17086554-17111257	28.0859	28.1251	0.0020	0.961336
Il1rap	chr16:26581703-26730117	2.5014	2.5805	0.0449	0.779303
Acap2	chr16:31092412-31201238	25.7144	25.7102	-0.0002	0.998416
Senp5	chr16:31962505-32003287	8.7642	8.7292	-0.0058	0.950684
Fytd1	chr16:32877499-32908963	12.9826	13.3226	0.0373	0.867903
Gm26732	chr16:44329996-44333050	4.6346	4.5618	-0.0228	0.943670
Usp25	chr16:77014068-77116779	65.1763	66.4840	0.0287	0.703394
App	chr16:84954439-85173707	0.5297	0.4827	-0.1342	0.914555
Mis18a	chr16:90719311-90727404	10.9632	11.3050	0.0443	0.870503
Vps51	chr19:6067841-6080324	12.1698	12.1519	-0.0021	0.981195
Trmt112	chr19:6909697-6911049	7.4095	7.2243	-0.0365	0.897559
Zfp91	chr19:12763659-12796126	19.6764	20.0908	0.0301	0.766135
Ranbp6	chr19:29808107-29812974	19.0615	18.9538	-0.0082	0.972987
Hspa12a	chr19:58795750-58860984	0.2784	0.2602	-0.0975	0.879541
Pdzd8	chr19:59296083-59345780	21.6445	21.6359	-0.0006	0.995625
Grk5	chr19:60889748-61092553	2.3311	2.2711	-0.0376	0.886236
Csf2ra	chr19:61224401-61228418	3.2414	3.1444	-0.0438	0.920587
Sgk3	chr19:9798129-9902556	3.9542	3.8990	-0.0203	0.954550
Gm23722	chr1:39573745-39573875	13.1265	14.0839	0.1016	0.807587
A1597479	chr1:43098709-43115947	13.7786	14.3025	0.0538	0.897840
ldh1	chr1:65158615-65186479	5.2673	5.1912	-0.0210	0.912527
R3hdm1	chr1:128103305-128237735	10.1747	10.5104	0.0468	0.875476
Uchl5	chr1:143777277-143807466	16.0667	16.6325	0.0499	0.893687
Glul	chr1:153899943-153909723	26.1985	26.8149	0.0336	0.776929
Prdx6	chr1:161240111-161251219	26.8767	26.8221	-0.0029	0.984180
Sele	chr1:164048233-164057677	1.7536	1.6868	-0.0561	0.921590
Gm26620	chr1:170885064-170885881	2.4906	2.7504	0.1432	0.885894
Dcaf8	chr1:172148014-172196393	48.6638	48.7196	0.0017	0.965781
Adss	chr1:177762961-177796511	49.1891	50.3223	0.0329	0.857472
Gm1305	chr1:179695296-179745185	1.2368	1.1833	-0.0638	0.906256
Gm26004	chr1:181840452-181840568	8.1529	7.2146	-0.1764	0.893401
Gm23153	chr1:190482871-190483157	2.4882	2.7303	0.1340	0.605640
Gm15956	chr18:12193767-12198675	4.8351	4.5743	-0.0800	0.914938
Gm7701	chr18:24257377-24258856	1.9207	2.0493	0.0935	0.780246
Afg3l2	chr18:67404766-67449166	18.4966	18.9659	0.0361	0.689285
Smad2	chr18:76241579-76305731	24.3220	24.2953	-0.0016	0.979819
Atp5a1	chr18:7773728-77782869	271.6705	271.7972	0.0007	0.996077
Eif3s6-ps2	chr18:90311824-90312043	19.0074	18.1832	-0.0640	0.912733
Mllt10	chr2:18055236-18212388	20.1371	20.0559	-0.0058	0.964243
Otud1	chr2:19658061-19660590	5.0031	5.1917	0.0534	0.809684

Man1b1	chr2:25332337-25352212	16.8336	17.2179	0.0326	0.782203
Mrps2	chr2:28468065-28471178	10.5679	10.8977	0.0443	0.865720
Ggta1	chr2:35400178-35463231	16.3385	16.8287	0.0426	0.876035
Gm13625	chr2:69871411-69872202	25.5511	26.8188	0.0699	0.884051
Scrn3	chr2:73312600-73337818	2.3450	2.2973	-0.0296	0.933144
Pde11a	chr2:75989140-76338774	1.1671	1.2346	0.0811	0.888681
Mybpc3	chr2:91118143-91136516	0.6008	0.5711	-0.0732	0.861278
Gm27027	chr2:93956816-93996354	9.2136	9.6956	0.0736	0.744940
Prrg4	chr2:104830740-104849876	1.7112	1.6577	-0.0458	0.942079
Bahd1	chr2:118900376-118924528	9.9319	10.1945	0.0377	0.805479
Tmem62	chr2:120977016-121007852	11.8982	12.2257	0.0392	0.838687
Tmem87b	chr2:128818117-128854261	8.0895	8.0570	-0.0058	0.977856
ldh3b	chr2:130279308-130284547	50.8127	50.8327	0.0006	0.994589
Mir103-2	chr2:131288051-131288137	10.7486	7.9167	-0.4412	0.817041
Esf1	chr2:140119882-140170564	11.8462	11.7073	-0.0170	0.958355
Zfp345	chr2:150470990-150485091	0.3085	0.3449	0.1611	0.889863
Slc52a3	chr2:151996510-152009258	4.2242	4.3993	0.0586	0.876363
Ahcy	chr2:155059309-155074497	2.8897	3.0326	0.0696	0.859767
5430405H02Rik	chr2:156852429-156862945	5.9824	6.2135	0.0547	0.849825
Tox2	chr2:163203124-163324170	0.6817	0.7277	0.0941	0.818752
Vamp7-ps	chr2:174046618-174047273	10.1220	10.5894	0.0651	0.839765
Nelfcd	chr2:174415803-174427502	18.7987	18.6881	-0.0085	0.964402
mt-Nd6	chrM:13551-14070	51.8162	55.5796	0.1012	0.878630
Car2	chr3:14886425-14900769	2.4969	2.4171	-0.0468	0.922076
Hps3	chr3:19995944-20035315	10.1551	10.1312	-0.0034	0.981384
Tdrkh	chr3:94413295-94432633	0.7387	0.7941	0.1043	0.850605
Lysmd1	chr3:95134087-95139518	3.1830	3.3219	0.0616	0.749123
Wars2	chr3:99141067-99239186	2.7928	2.9134	0.0610	0.875864
A930002I21Rik	chr3:107090879-107098401	3.2874	3.5231	0.0999	0.896984
Ppa2	chr3:133310109-133378235	9.1656	9.4285	0.0408	0.869131
Col24a1	chr3:145292471-145552011	0.1729	0.1586	-0.1243	0.883311
Gm23090	chr4:41213775-41213853	10.1160	9.3014	-0.1211	0.845375
Dnajb5	chr4:42949813-42959425	1.8486	1.8096	-0.0307	0.933206
Stoml2	chr4:43027689-43031710	15.0453	14.9307	-0.0110	0.948850
Gm26566	chr4:88721804-88722842	19.3863	20.0945	0.0518	0.846203
ltgb3bp	chr4:99765401-99929813	5.1285	5.2785	0.0416	0.856624
Dnajc6	chr4:101496647-101642799	2.3245	2.4087	0.0513	0.868490
Bend5	chr4:111415005-111460298	1.1136	1.1882	0.0935	0.808488
Gm12841	chr4:117883620-117885995	24.8333	25.8283	0.0567	0.874924
Lepre1	chr4:119232914-119248975	1.9487	2.0565	0.0777	0.909220
Rims3	chr4:120854815-120896579	0.5177	0.4906	-0.0773	0.922355
Trit1	chr4:123016596-123054949	12.4058	12.3231	-0.0097	0.942976
Zcchc17	chr4:130315382-130359943	9.4584	9.7385	0.0421	0.866983
Fuca1	chr4:135920734-135940311	13.4200	13.3052	-0.0124	0.958771
NA	chr4:136343974-136345981	5.6751	5.5799	-0.0244	0.915940
Tmem106a	chr11:101582241-101591788	1.8508	1.9938	0.1073	0.901594
9330162012Rik	chr13:24937400-24941417	0.1337	0.1591	0.2512	0.867497
ltga1	chr13:114958078-115101964	0.2599	0.2940	0.1781	0.859213
Gm22270	chr5:107905176-107905308	40.7934	38.7916	-0.0726	0.918174
Gm26711	chr5:110385834-110388073	1.1016	1.2134	0.1394	0.887621
Gm15470	chr7:41490350-41491721	1.5915	1.7239	0.1152	0.855048
Gm17322	chr9:57998040-58007451	0.2659	0.3176	0.2564	0.853176
Gm14373	chrX:5699726-5701884	0.3174	0.3591	0.1778	0.874597
Gm9083	chrX:20239468-20240287	0.9990	0.9244	-0.1120	0.888382
Gm26513	chr15:98093282-98095771	1.1382	1.2454	0.1299	0.852775
Vegfa	chr17:46016992-46032377	0.1675	0.1506	-0.1536	0.894290
Gm15591	chr16:45736502-45737318	2.9161	3.2344	0.1495	0.870501
Kcnj13	chr1:87386362-87394729	1.8659	2.0701	0.1499	0.894012
Hc	chr2:34983330-35061438	0.1194	0.1370	0.1988	0.873784
Lrrtm2	chr18:35209010-35215024	0.3171	0.3532	0.1556	0.894991
NA	chr3:94392970-94402848	3.5827	3.3263	-0.1071	0.903839
Gm5070	chr3:95410345-95411176	0.7019	0.8051	0.1979	0.889132
Gm22154	chr4:123293151-123293282	11.6520	10.7494	-0.1163	0.917121
Spata21	chr4:141088332-141112760	0.3578	0.3310	-0.1123	0.886287
Fhad1	chr4:141890437-142015082	0.1124	0.1286	0.1936	0.838306
Ube4bos3	chr4:149334638-149335897	3.1704	2.9787	-0.0900	0.915598
Gm16135	chr10:62998778-62999689	1.9459	1.7444	-0.1577	0.904612
Gm12568	chr11:46243570-46244194	1.4185	1.2926	-0.1341	0.908023
4933406C10Rik	chr12:32919383-32953789	0.3188	0.3593	0.1726	0.845857
Plat	chr8:22757743-22782847	0.3006	0.3378	0.1681	0.885555
Rbpms2	chr9:65629647-65660528	0.3739	0.4425	0.2433	0.865853

Ccdc122	chr14:77036771-77112257	0.7885	0.8702	0.1423	0.894728
Gm17082	chr14:122121552-122122643	0.9079	1.0222	0.1711	0.888520
Ccdc64b	chr17:23660522-23668610	0.4212	0.4889	0.2149	0.900364
Muc20	chr16:32777418-32797435	0.2422	0.2173	-0.1567	0.906346
Gm8250	chr19:18581454-18582228	1.2588	1.4187	0.1726	0.861391
Gm13594	chr2:65238755-65239675	1.4344	1.6316	0.1858	0.847456
Ptgr1	chr4:58965438-58987119	0.3747	0.4257	0.1841	0.893555
Gm12989	chr4:135715867-135716598	0.9379	0.8392	-0.1605	0.896720
Pafah1b1	chr11:74673948-74724670	39.7473	39.8015	0.0020	0.985411
Gm26541	chr10:80681837-80687176	49.3163	50.3898	0.0311	0.842594
9130230N09Rik	chr11:22858930-22861264	4.0416	4.2669	0.0782	0.710285
Limd2	chr11:106156255-106160860	165.6852	165.9856	0.0026	0.982412
Narf	chr11:121237252-121255856	16.2586	16.6228	0.0320	0.830905
Vipr2	chr12:116077725-116146261	0.1507	0.1726	0.1952	0.887607
Faf2	chr13:54621783-54664068	18.7783	18.7439	-0.0026	0.985994
Ptch1	chr13:63511532-63565520	8.5071	8.4585	-0.0083	0.970490
Ppm1g	chr5:31202667-31220545	52.5021	52.5638	0.0017	0.977534
2210016L21Rik	chr5:114942157-114949783	9.3410	9.2517	-0.0138	0.953114
Trbj2-1	chr6:41542753-41542803	99.9126	104.3779	0.0631	0.751454
Zfp865	chr7:5020375-5033138	7.2772	7.2215	-0.0111	0.956242
Gltscr1	chr7:15971261-15999495	2.2677	2.3591	0.0570	0.880656
Sars2	chr7:28741967-28753879	6.9050	6.8137	-0.0192	0.950515
Fam169b	chr7:68273838-68363089	48.0509	49.1354	0.0322	0.831549
Inpp1	chr7:101822632-101838226	6.7744	6.9945	0.0461	0.894620
Gm8730	chr8:102864778-102865853	0.9067	0.8382	-0.1133	0.867977
Sf3b3	chr8:110810491-110846803	84.4181	86.0359	0.0274	0.704999
Sdr4ze1	chr8:117661398-117673689	2.1012	2.0432	-0.0403	0.953831
Gas8	chr8:123518834-123536649	5.8957	5.8055	-0.0223	0.939112
Maml2	chr9:13619989-13709533	5.7619	5.9203	0.0391	0.815806
1700110K17Rik	chr9:40323425-40343564	10.4981	10.3342	-0.0227	0.943501
Pafah1b2	chr9:45965310-45984871	33.6425	33.5892	-0.0023	0.988020
Gm17200	chr9:123678095-123701046	5.9527	6.1686	0.0514	0.869063
Cd99l2	chrX:71420059-71492849	7.7142	7.6607	-0.0101	0.962638
F8a	chrX:73228305-73230795	5.7785	5.7039	-0.0187	0.936937
Gm14834	chrX:107174609-107175494	0.7435	0.8457	0.1858	0.901880
Kctd12b	chrX:153685153-153696391	0.9407	0.9920	0.0765	0.902961
March6	chr15:31455898-31531037	19.5380	19.9442	0.0297	0.778814
Kpna3	chr14:61365185-61439947	21.3635	21.2968	-0.0045	0.983113
Med4	chr14:73510048-73518545	25.3392	26.1128	0.0434	0.896312
Gm22589	chr17:35242677-35242754	17.7230	16.6648	-0.0888	0.902866
Klhl22	chr16:17759617-17793382	2.5101	2.4681	-0.0243	0.940583
Etv5	chr16:22381308-22439719	1.2193	1.2759	0.0655	0.884796
Gm26670	chr1:191986831-191990138	0.5589	0.5244	-0.0919	0.922644
4930570N18Rik	chr1:193203038-193226208	6.2088	6.6998	0.1098	0.879041
Ralgds	chr2:28513124-28553081	8.2668	8.5012	0.0403	0.896189
Ier5l	chr2:30472647-30474199	3.0597	3.2165	0.0721	0.891774
Zeb2	chr2:44983633-45117395	0.6441	0.6335	-0.0240	0.932801
Ly75	chr2:60292102-60383303	21.7587	21.7714	0.0008	0.993958
Cept1	chr3:106502259-106547802	42.5511	42.5041	-0.0016	0.991834
Ggh	chr4:20042051-20066750	11.5132	11.8955	0.0471	0.875873
Pole3	chr4:62522648-62525068	14.6387	14.5024	-0.0135	0.968654
Fam151a	chr4:106733888-106748292	4.6463	4.5713	-0.0235	0.931166
Hectd3	chr4:116995316-117005277	15.3880	15.7998	0.0381	0.862309
Myzap	chr9:71504346-71592360	0.1883	0.2062	0.1308	0.851206
Gm10822	chr2:73892995-73900850	0.3130	0.3652	0.2225	0.880874
Hrh4	chr18:13006989-13022882	0.7144	0.7969	0.1577	0.842308
Enpp6	chr8:46986924-47094895	0.3076	0.3398	0.1437	0.906279
Gsta4	chr9:78191965-78209348	8.0919	8.4202	0.0574	0.910979
Dgkq	chr5:108646692-108669672	9.8390	9.8240	-0.0022	0.987975
Pcmt1	chr10:7629372-7681136	11.5257	11.5004	-0.0032	0.982370
Sgpl1	chr10:61098641-61147703	22.3024	22.3138	0.0007	0.994849
Plekhj1	chr10:80796099-80798626	27.7512	28.5012	0.0385	0.867000
Ric8b	chr10:84917615-85016446	9.5360	9.7877	0.0376	0.791071
Pmch	chr10:88091071-88092375	2.6876	2.8806	0.1001	0.917941
Amdhd1	chr10:93523337-93540033	0.9160	0.9672	0.0784	0.888460
Atxn7l3b	chr10:112925437-112929026	29.1078	29.1082	0.0000	0.999897
F420014N23Rik	chr10:127195248-127202643	5.6912	5.6528	-0.0098	0.960048
Pmel	chr10:128706257-128720238	35.8495	35.7848	-0.0026	0.991561
Camk2b	chr11:5969643-6066362	1.8483	1.9067	0.0449	0.890647
Psme4	chr11:30771725-30880361	21.2962	21.3532	0.0039	0.954698
Txndc17	chr11:72207546-72210015	41.0171	42.0400	0.0355	0.830921

4931413K12Rik	chr11:75589664-75594771	3.7616	3.6487	-0.0440	0.946135
Gm21975	chr11:79513384-79530559	14.7381	14.6939	-0.0043	0.986521
Evi2b	chr11:79513384-79530589	14.5266	14.4829	-0.0043	0.986521
Gm11423	chr11:82779600-82781042	4.8324	4.7353	-0.0293	0.912615
Hoxb4	chr11:96316683-96321638	2.2904	2.3750	0.0523	0.891096
Nol11	chr11:107166662-107189381	17.6040	17.5629	-0.0034	0.985339
Psmid12	chr11:107479483-107504362	25.9047	25.8597	-0.0025	0.991826
Fam228a	chr12:4713816-4738383	0.4889	0.5275	0.1097	0.875609
Pnma1	chr12:84146130-84148489	0.3541	0.3919	0.1462	0.907448
Gm6863	chr12:96922419-96923061	10.6936	11.2257	0.0701	0.878272
Tmem251	chr12:102743759-102747561	8.2021	8.4397	0.0412	0.848098
Fgd3	chr13:49261553-49320311	19.7792	19.7905	0.0008	0.995324
Etohd2	chr13:59769964-59773680	13.7144	14.0705	0.0370	0.890181
Zfp456	chr13:67345245-67375810	8.8587	9.0857	0.0365	0.869151
Gm9828	chr13:98316421-98324415	8.5340	8.7981	0.0440	0.890904
6430562O15Rik	chr13:99396923-99412864	0.8938	0.8733	-0.0336	0.931178
Mrps36	chr13:100735954-100744659	3.4099	3.5886	0.0737	0.912555
Srek1ip1	chr13:104792483-104839274	6.8851	7.1265	0.0497	0.895448
Snx17	chr5:31193226-31198900	31.2785	31.9218	0.0294	0.801662
Cops4	chr5:100518308-100547803	18.8988	18.8519	-0.0036	0.986565
NA	chr5:105323790-105343929	1.1989	1.1478	-0.0629	0.896531
Ankrd13a	chr5:114774676-114806200	57.5016	57.6491	0.0037	0.966875
Got2-ps1	chr5:138364172-138365580	1.4817	1.6181	0.1271	0.891812
Pdia4	chr6:47796141-47813512	99.9028	101.9074	0.0287	0.767605
Hibadh	chr6:52546227-52640389	17.0867	17.5308	0.0370	0.825558
Zfp626	chr7:27810812-27818669	13.1971	13.6259	0.0461	0.759121
Gm5113	chr7:30169874-30180209	0.9569	0.9243	-0.0500	0.924526
Nrip3	chr7:109758054-109782025	1.0399	1.0163	-0.0332	0.921418
Ctr9	chr7:111028950-111056377	19.0000	19.0267	0.0020	0.986630
Eri2	chr7:119768678-119794058	3.5289	3.6313	0.0413	0.827547
Maz	chr7:127022142-127026479	84.6188	86.4290	0.0305	0.837178
E430018J23Rik	chr7:127389672-127393629	4.6081	4.7546	0.0452	0.884415
Tgfbr3l	chr8:4248213-4251423	2.7728	2.8989	0.0642	0.860330
Ushbp1	chr8:71384273-71395801	0.2155	0.1905	-0.1777	0.920624
Ddx19b	chr8:111003187-111031751	12.1257	12.1300	0.0005	0.996425
Fbxl12	chr9:20618117-20644767	6.2820	6.2451	-0.0085	0.979368
1810026J23Rik	chr9:21592721-21595970	11.7170	11.7075	-0.0012	0.992069
Cd3e	chr9:44998742-45009590	56.6632	58.0660	0.0353	0.876491
Spg21	chr9:65460936-65488470	31.7099	32.5510	0.0378	0.896741
Pxylp1	chr9:96823343-96892669	1.5219	1.4905	-0.0300	0.948231
Csrnp1	chr9:119971165-119977250	17.8280	17.7790	-0.0040	0.978602
Limd1	chr9:123478700-123521548	30.9317	31.5422	0.0282	0.756138
Was	chrX:8081452-8090498	74.8702	76.3548	0.0283	0.802406
Cask	chrX:13517079-13851367	0.6037	0.6287	0.0584	0.830374
Flna	chrX:74223460-74249820	231.1976	231.6659	0.0029	0.985776
Gm20489	chrX:101261404-101269023	125.5194	125.6155	0.0011	0.994561
Btk	chrX:134542335-134583570	0.2140	0.1942	-0.1400	0.923006
Gla	chrX:134588148-134601125	4.7593	4.9120	0.0456	0.871383
Zmat1	chrX:134971371-135009209	1.0228	1.0003	-0.0322	0.951169
Tmsb15l	chrX:136954987-136976869	7.1965	7.5014	0.0599	0.877163
Sh3kbp1	chrX:159627271-159978069	40.4425	40.5512	0.0039	0.974963
Piga	chrX:164419792-164433916	4.0789	4.1944	0.0403	0.901539
Mttr12	chr15:12205027-12272240	23.5216	23.5256	0.0002	0.998533
Troap	chr15:99074972-99083407	1.9132	2.0064	0.0687	0.879148
Kctd6	chr14:8214147-8223567	3.0729	3.0296	-0.0205	0.956155
Mettl6	chr14:31478319-31495030	18.0697	18.0001	-0.0056	0.975012
Setdb2	chr14:59402008-59440884	12.5189	12.4601	-0.0068	0.972283
Pibf1	chr14:99099432-99254493	8.4647	8.4214	-0.0074	0.975580
Ppp1r10	chr17:35916433-35932281	19.1250	19.5072	0.0285	0.707586
Gm6034	chr17:36042960-36058645	0.4219	0.4666	0.1452	0.869304
Polr1c	chr17:46243919-46248054	21.8987	21.8468	-0.0034	0.980460
Ranbp3	chr17:56673224-56711769	50.3614	50.4705	0.0031	0.968936
4930565N06Rik	chr16:36880518-36897189	1.1869	1.1526	-0.0423	0.881589
Arhgap31	chr16:38598339-38713274	10.7527	11.0132	0.0345	0.883696
Pigp	chr16:94358762-94371015	7.8426	8.1008	0.0467	0.813393
Ostf1	chr19:18579327-18631789	17.4806	17.5059	0.0021	0.984318
Gm9938	chr19:23723278-23725034	13.0382	13.4065	0.0402	0.791876
2010002M12Rik	chr19:34617048-34640743	0.8751	0.8510	-0.0404	0.899897
Pms1	chr1:53189186-53297018	5.9066	6.0546	0.0357	0.852655
Gm26293	chr1:59692508-59692592	9.6570	10.6376	0.1395	0.865485
Klf7	chr1:64029446-64122282	4.1667	4.2838	0.0400	0.810054

A630001G21Rik	chr1:85717082-85778643	20.3827	20.8871	0.0353	0.849810
Ilkap	chr1:91375830-91398783	55.3157	56.5915	0.0329	0.830259
Gm19705	chr1:136670768-136690804	5.8553	5.7762	-0.0196	0.933904
1700056E22Rik	chr1:184033031-184033998	1.5729	1.7056	0.1169	0.889662
Gm10036	chr18:15832793-15833330	5.2800	5.0402	-0.0671	0.927614
Nup188	chr2:30286396-30344266	13.0409	13.3037	0.0288	0.501128
Gm14471	chr2:30306066-30323986	3.4942	3.4433	-0.0212	0.935438
6330409D20Rik	chr2:32732619-32741016	4.6459	4.8705	0.0681	0.891701
Zbtb43	chr2:33450286-33468559	11.3855	11.3740	-0.0015	0.989660
Gm13461	chr2:41987472-41988829	8.2010	8.0130	-0.0335	0.929633
Pkp4	chr2:59160849-59355208	6.3531	6.3209	-0.0073	0.967856
Nop10	chr2:112261925-112263269	58.4890	60.2931	0.0438	0.923698
Fam227b	chr2:125983482-126152004	0.2506	0.2888	0.2044	0.873547
Rbck1	chr2:152316333-152332653	38.2696	38.2828	0.0005	0.997737
Ctnnb1	chr2:157737400-157891614	26.1232	26.0841	-0.0022	0.990891
Gm17096	chr2:166943538-166944308	3.1534	3.3656	0.0940	0.921669
Zfp64	chr2:168893330-168955587	6.4959	6.6616	0.0363	0.835172
Vapb	chr2:173737510-173784336	8.4529	8.6433	0.0321	0.804167
Fbxw7	chr3:84815267-84979198	11.8837	11.8881	0.0005	0.996714
Mtx1	chr3:89209080-89227088	12.4624	12.7863	0.0370	0.857695
Scnm1	chr3:95129535-95134012	22.6267	22.5425	-0.0054	0.977041
Prkab	chr3:146729578-146812960	55.5026	55.6691	0.0043	0.964844
Osgin2	chr4:15997120-16013888	4.4075	4.5448	0.0442	0.856645
Orc3	chr4:34570795-34614944	23.6855	23.6928	0.0004	0.997429
Aco1	chr4:40143080-40198338	11.8786	12.1541	0.0331	0.814744
Ubap1	chr4:41348995-41390525	14.3866	14.3552	-0.0031	0.980346
Sepn1	chr4:134537891-134552166	0.8019	0.8440	0.0737	0.837344
1700012B07Rik	chr11:109787650-109828046	0.2992	0.2703	-0.1464	0.878306
Gm8566	chr6:67205618-67206083	1.8749	1.7549	-0.0954	0.934729
Crispld2	chr8:119992437-120052793	0.1485	0.1374	-0.1123	0.910910
Ptk2	chr15:73205104-73423191	0.4735	0.5162	0.1245	0.868722
Gm26753	chr17:21485176-21488875	1.1221	1.0886	-0.0437	0.944839
4833418N02Rik	chr17:87274885-87282814	0.9532	1.0410	0.1271	0.896360
Srl	chr16:4480215-4541816	0.2652	0.2855	0.1065	0.882621
AA543186	chr2:25327449-25332571	0.9487	0.8979	-0.0795	0.935671
Gm13548	chr2:52739070-52739455	3.6096	3.4145	-0.0802	0.905789
Tdo2	chr3:81957089-81975750	1.1058	1.1912	0.1074	0.883833
Atg4a-ps	chr3:103644002-103646069	0.3410	0.3055	-0.1587	0.916794
Gm10563	chr4:155614412-155645408	5.2972	5.8134	0.1341	0.880932
Gm16350	chr8:14961065-14961586	1.6527	1.5138	-0.1267	0.907985
Gm22738	chr14:57831062-57831209	6.1262	6.9472	0.1814	0.897770
Gm4219	chr19:59943721-59948398	0.3306	0.2919	-0.1800	0.916357
Gm25184	chr2:181512549-181512712	5.5158	5.0601	-0.1244	0.929016
Jrk	chr15:74702411-74709535	5.9447	5.9255	-0.0047	0.985742
Fgfr1op	chr17:8165500-8196804	10.7314	10.7218	-0.0013	0.990589
Fbxw4	chr19:45578253-45660312	8.5627	8.5322	-0.0052	0.976490
Gm6542	chr18:36609957-36610729	4.5614	4.3392	-0.0720	0.927366
Gzmm	chr10:79689019-79695261	1.6526	1.5950	-0.0512	0.903452
Lmnb2	chr10:80901202-80918245	8.9486	8.9306	-0.0029	0.986878
Plxnc1	chr10:94790865-94944578	10.4443	10.6865	0.0331	0.865206
Coq10a	chr10:128363096-128370032	6.4149	6.5992	0.0409	0.827654
Gm21988	chr11:70235205-70239830	22.5013	22.2514	-0.0161	0.970921
Gna13	chr11:109362830-109401369	52.5453	52.7176	0.0047	0.960859
Rnf213	chr11:119393099-119487418	64.1499	66.2791	0.0471	0.900461
Crcp	chr5:130029289-130060789	21.1467	21.7304	0.0393	0.882159
Fbxl18	chr5:142866945-142895421	1.8216	1.8081	-0.0107	0.966015
Cbx3	chr6:51470359-51483704	8.2497	8.2264	-0.0041	0.983509
Tprkb	chr6:85915737-85930284	11.1854	11.1436	-0.0054	0.981538
Gm26770	chr6:128356003-128358839	6.3888	6.3293	-0.0135	0.962512
Snrpa	chr7:27187004-27196271	15.4609	15.3905	-0.0066	0.981687
Sephs2	chr7:127272560-127273919	28.6456	28.4266	-0.0111	0.972923
Mre11a	chr9:14784653-14837123	13.6095	13.6357	0.0028	0.968478
Bcl2l2	chr14:54883376-54888234	4.1568	4.1225	-0.0120	0.973235
Wiz	chr17:32354054-32389401	2.7446	2.8147	0.0364	0.838355
Brd2	chr17:34112022-34122634	43.9693	44.1168	0.0048	0.952267
Spdya	chr17:71552060-71589533	1.1564	1.2279	0.0866	0.850049
Gm15764	chr16:18416681-18421997	4.8997	4.7932	-0.0317	0.934003
Ppp1r2	chr16:31251536-31275277	4.0673	4.0346	-0.0117	0.974218
Pde6d	chr1:86542993-86582629	6.1052	6.3536	0.0575	0.919503
Cyb5r1	chr1:134405780-134411740	5.5471	5.7151	0.0431	0.864904
B930094E09Rik	chr18:31609511-31610751	4.7777	4.9866	0.0617	0.849035

Arl5b	chr2:15049394-15082456	6.3085	6.4843	0.0396	0.889724
Golga2	chr2:32287383-32307921	19.8184	19.8453	0.0020	0.988494
Mettl8	chr2:70964560-71055583	2.7028	2.6662	-0.0197	0.964401
Lpcat4	chr2:112239467-112247111	8.9018	9.1528	0.0401	0.871944
1700020I14Rik	chr2:119594296-119607502	37.8084	37.8804	0.0027	0.982633
Zfp442	chr2:150407140-150451486	3.5273	3.4447	-0.0342	0.949215
1700064H15Rik	chr3:19610367-19628677	13.9069	13.6054	-0.0316	0.924084
Bank1	chr3:136053362-136326046	1.4062	1.3825	-0.0246	0.921158
Coq3	chr4:21879672-21912162	5.0696	5.0179	-0.0148	0.940738
2010015M23Rik	chr11:88039577-88047360	0.7981	0.8746	0.1322	0.891118
Plip	chr8:94674894-94696242	0.7041	0.7586	0.1076	0.886709
Gm26892	chr1:132036804-132067945	0.6045	0.6637	0.1347	0.867611
Gm25316	chr2:10499965-10500083	4.5679	5.1340	0.1686	0.916007
Nfrkb	chr9:31386191-31421333	13.5122	13.5394	0.0029	0.984721
Rfx2	chr17:56775896-56831008	0.6473	0.6273	-0.0453	0.898749
Insig1	chr5:28071362-28078662	22.9667	23.4720	0.0314	0.834734
Srsf3	chr17:29032672-29043366	57.0886	58.2424	0.0289	0.854175
Gm17552	chr19:4169565-4174284	4.6220	4.5835	-0.0121	0.967551
Atg9a	chr1:75180865-75191923	7.6587	7.6327	-0.0049	0.978581
Dars	chr1:128363707-128417416	65.7246	65.8167	0.0020	0.987664
Rbfa	chr18:80192264-80200658	28.1040	28.0058	-0.0050	0.978980
Rapgef4	chr2:71981239-72257474	1.9338	1.9048	-0.0218	0.969673
Sf3b4	chr3:96172331-96177564	3.3359	3.5043	0.0710	0.893971
Lamtor3	chr3:137918525-137928765	15.2213	15.0738	-0.0140	0.966864
5730409E04Rik	chr4:126609817-126614371	0.7398	0.7843	0.0842	0.895868
Trav12-1	chr14:53538259-53538738	4.9917	5.4142	0.1172	0.902369
Peli1	chr11:21091290-21150323	41.5379	42.3328	0.0273	0.776354
5330438D12Rik	chr10:116581280-116583515	3.8260	3.9544	0.0476	0.881045
Sept8	chr11:53519256-53549565	1.2840	1.3262	0.0467	0.889079
Gm17235	chr11:78576236-78577350	1.3413	1.4256	0.0880	0.873602
Arl4d	chr11:101665540-101667832	1.9475	2.0611	0.0818	0.876551
Gps1	chr11:120784271-120789102	8.1177	8.0993	-0.0033	0.986577
Smc6	chr12:11265885-11319785	43.7296	43.7612	0.0010	0.996169
Nudt14	chr12:112934732-112942118	16.7128	16.4853	-0.0198	0.956741
Actn2	chr13:12269425-12340760	0.6571	0.7048	0.1012	0.894415
2010111I01Rik	chr13:63014933-63326096	18.3333	18.7536	0.0327	0.894356
Ywhah	chr5:33018815-33027966	22.4443	22.9355	0.0312	0.832459
Fbxl5	chr5:43744615-43821639	16.6050	16.6087	0.0003	0.998468
Nyap1	chr5:137730882-137741607	1.1726	1.2190	0.0561	0.905348
Nudt1	chr5:140331859-140338137	10.3323	10.2212	-0.0156	0.955282
Zfandf	chr7:84615053-84679361	67.9783	68.1484	0.0036	0.976651
2210018M11Rik	chr7:98590614-98656569	20.3024	20.6879	0.0271	0.730209
Snora23	chr7:110046363-110046547	106.2364	109.7132	0.0465	0.944963
Ddx19a	chr8:110974995-110997800	6.8229	6.7974	-0.0054	0.977590
Pxk	chr14:8098212-8165111	16.3554	16.3228	-0.0029	0.985017
1810062O18Rik	chr14:20546078-20570687	2.9388	3.0588	0.0577	0.907015
Cideb	chr14:55754044-55758458	2.6335	2.7567	0.0660	0.937281
Ccdc78	chr17:25786579-25790513	4.2777	4.4242	0.0486	0.896897
Zfp422-rs1	chr17:33293836-33305745	3.7551	3.6427	-0.0439	0.947707
BC023719	chr17:36111425-36117121	2.8614	2.9917	0.0642	0.866855
Ppp1r21	chr17:88530123-88588365	14.7889	15.0984	0.0299	0.740353
Rpl18-ps1	chr1:60900897-60901422	5.4477	5.2684	-0.0483	0.936196
Cerkl	chr2:79330542-79456785	9.2335	9.4837	0.0386	0.910449
Rmdn3	chr2:119137000-119157034	8.4921	8.7111	0.0367	0.810169
Dcun1d1	chr3:35892104-35937445	6.9094	7.0707	0.0333	0.842986
Kpna4	chr3:69067148-69127113	22.8641	22.9114	0.0030	0.982587
Ampd2	chr3:108074061-108086651	10.7528	10.7591	0.0008	0.995264
Sars	chr3:108424864-108445209	49.1340	49.2588	0.0037	0.981220
Lrrc39	chr3:116562972-116583134	2.6205	2.7057	0.0461	0.821995
Adprhl2	chr4:126316046-126321703	16.6947	17.0983	0.0345	0.838668
Plekhg5	chr4:152072497-152115400	1.6634	1.6347	-0.0251	0.958709
9430065F17Rik	chr13:67553233-67564009	0.6517	0.6046	-0.1081	0.921807
Gm8425	chr16:36778833-36779602	0.8476	0.9192	0.1170	0.792263
Naaladl1	chr19:6105781-6115792	0.2561	0.2835	0.1467	0.850605
Klf4	chr4:55527142-55532466	0.3073	0.3390	0.1419	0.894171
Rwdd1	chr10:33996554-34019624	15.4004	15.2410	-0.0150	0.971900
Pdxk	chr10:78436743-78464975	3.5215	3.6067	0.0345	0.846105
NA	chr10:79540245-79541960	12.4276	12.7592	0.0380	0.890191
Gm25930	chr11:53390401-53390508	8.5889	7.7830	-0.1422	0.930917
Srebfl	chr11:60199088-60222581	23.0305	23.0751	0.0028	0.987061
Chad	chr11:94565046-94569127	0.7115	0.6768	-0.0721	0.942465

Rara	chr11:98927817-98974942	10.9959	11.2810	0.0369	0.874416
Arhgap27os2	chr11:103355700-103361092	0.8450	0.8092	-0.0624	0.922573
Cdc42ep4	chr11:113726849-113751881	1.6457	1.6960	0.0434	0.846038
Fads6	chr11:115279621-115297663	1.7798	1.8308	0.0408	0.814371
Tbcd	chr11:121451948-121617164	15.6805	15.6953	0.0014	0.992942
Frmf6	chr12:70825513-70902232	9.2921	9.5072	0.0330	0.840458
Ptgr2	chr12:84285231-84315832	7.3771	7.3675	-0.0019	0.992592
4930427A07Rik	chr12:113156420-113165456	3.4483	3.5532	0.0432	0.904241
Nedd9	chr13:41309915-41487320	64.1402	64.4209	0.0063	0.946985
Tmem170b	chr13:41606215-41641347	5.2786	5.3925	0.0308	0.847857
Ctsl	chr13:64363213-64370306	1.8998	1.9850	0.0634	0.908311
Dhfr	chr13:92354782-92389053	6.1782	6.1650	-0.0031	0.977121
Zfyve16	chr13:92487107-92530868	8.4562	8.6478	0.0323	0.869989
Gm6404	chr13:116153780-116154134	11.5476	12.0142	0.0572	0.874348
Smim20	chr5:53267105-53283510	5.0074	5.1345	0.0362	0.883672
Triap1	chr5:115341224-115343569	12.8510	13.2050	0.0392	0.886316
Rabgef1	chr5:130171797-130214342	7.2074	7.1902	-0.0034	0.987977
Ncf1	chr5:134220052-134229625	4.5015	4.4608	-0.0131	0.954116
Bcl7b	chr5:135168282-135181855	15.3529	15.3097	-0.0041	0.986542
Fis1	chr5:136953274-136966234	48.3752	49.5814	0.0355	0.923424
Gm15753	chr5:137720353-137721740	1.5937	1.5397	-0.0497	0.957025
Chst12	chr5:140505549-140525724	5.7177	5.6822	-0.0090	0.974814
Tmem209	chr6:30479052-30509783	10.7292	10.7472	0.0024	0.984373
Trbv1	chr6:40891295-40891885	62.8560	64.9038	0.0463	0.917486
Pyurf	chr6:57686575-57692078	5.5004	5.6555	0.0401	0.866338
St3gal5	chr6:72097612-72154570	1.2659	1.2422	-0.0273	0.920672
Suclg1	chr6:73248381-73276911	13.7474	14.0304	0.0294	0.847977
Ccdc142os	chr6:83106607-83109054	8.6404	8.5804	-0.0101	0.972824
Rab7	chr6:87999105-88045270	18.3062	18.7290	0.0329	0.870646
4933440N22Rik	chr6:117907109-117907760	20.7470	20.6131	-0.0093	0.953903
A230083G16Rik	chr6:124916862-124925844	1.8737	1.7677	-0.0840	0.949286
Mrps35	chr6:147042763-147070903	7.2779	7.4295	0.0297	0.765178
Relb	chr7:19606216-19629438	22.0919	22.1488	0.0037	0.973441
Mrps12	chr7:28739640-28741820	20.5277	20.4937	-0.0024	0.990637
Gm12774	chr7:34383658-34384074	4.6644	4.9357	0.0816	0.884721
Sytl2	chr7:90348698-90410438	12.1167	12.1247	0.0009	0.993998
Ccdc90b	chr7:92561148-92582294	8.1383	8.3576	0.0384	0.878006
Rnf169	chr7:99920256-99980458	10.8946	10.9128	0.0024	0.988477
Usp47	chr7:112023505-112111386	44.7487	44.8858	0.0044	0.971641
Sult1a1	chr7:126672864-126676432	2.7347	2.8658	0.0676	0.931469
Mylpf	chr7:127211607-127214298	7.2353	7.4795	0.0479	0.894682
Cdkn1c	chr7:143458349-143461050	1.1273	1.1896	0.0777	0.880766
Elmo3	chr8:105305600-105310623	7.1455	7.3314	0.0371	0.893062
Slc12a4	chr8:105943589-105966115	6.4130	6.3984	-0.0033	0.988029
6430571L13Rik	chr9:107340601-107352422	1.1691	1.2390	0.0838	0.920280
Uba7	chr9:107975504-107984060	36.7832	37.6226	0.0326	0.909022
NA	chr9:124438995-124440899	5.8933	6.2567	0.0863	0.889805
Slc9a6	chrX:56609756-56664230	7.2925	7.2773	-0.0030	0.987888
2610002M06Rik	chrX:107782750-107816334	7.4605	7.4346	-0.0050	0.985057
Armxc1	chrX:134717962-134721917	1.1838	1.1560	-0.0343	0.930161
Tatdn1	chr15:58890152-58933730	6.4011	6.6275	0.0501	0.890229
Tmem71	chr15:66526211-66561046	42.3097	43.1824	0.0295	0.869403
Plxnb2	chr15:89155548-89171120	0.6715	0.6569	-0.0316	0.966636
Rpl39-ps	chr15:102634981-102635336	3.7474	3.5611	-0.0736	0.922929
Ttc5	chr14:50765414-50785518	28.5455	28.4917	-0.0027	0.989392
Trav10	chr14:53505789-53506286	7.2404	6.9595	-0.0571	0.951086
Traj30	chr14:54189865-54189924	32.7810	31.3869	-0.0627	0.953613
Gm4491	chr14:57112505-57115883	0.4748	0.4309	-0.1399	0.913070
Gm6904	chr14:59244440-59260216	6.3385	6.5451	0.0463	0.888974
Mzt1	chr14:99034543-99046136	18.4185	18.9118	0.0381	0.894242
Rps2	chr17:24718115-24721929	111.0963	113.3699	0.0292	0.898787
Gm20522	chr17:35122737-35126440	4.4200	4.3230	-0.0320	0.926590
Man2a1	chr17:64600735-64755110	28.7601	28.8985	0.0069	0.918468
Nagpa	chr16:5195288-5204012	14.1496	14.4656	0.0319	0.890665
Poglut1	chr16:38525136-38550258	13.3963	13.6706	0.0292	0.850929
1110004E09Rik	chr16:90925808-90934927	7.7731	8.2660	0.0887	0.885252
Ms4a4b	chr19:11443552-11463549	80.3152	81.9229	0.0286	0.885500
5830428H23Rik	chr19:61053839-61140840	9.5612	9.8254	0.0393	0.902128
Ino8odos	chr1:63114470-63158290	8.0050	8.2470	0.0430	0.897325
Fam134a	chr1:75142785-75147909	34.2745	34.9671	0.0289	0.869168
Mpc2	chr1:165461036-165481214	6.4597	6.6115	0.0335	0.747671

Usp14	chr18:9995431-10045119	9.5998	9.6083	0.0013	0.993070
Camk4	chr18:32939040-33195767	18.1377	18.1939	0.0045	0.963958
Egr1	chr18:34859822-34864984	5.2194	5.3356	0.0318	0.871832
Fchsdl	chr18:37957430-37969774	7.5350	7.7270	0.0363	0.890537
Nr3c1	chr18:39410544-39491301	36.0133	36.6148	0.0239	0.740399
Nars	chr18:64499664-64516557	59.6973	59.7613	0.0015	0.994422
Cep192	chr18:67800106-67885168	28.3320	28.4077	0.0038	0.977622
Gm13194	chr2:4942173-4942484	2.0547	2.2181	0.1104	0.909578
Mrpl41	chr2:24974116-24975098	37.6413	37.5601	-0.0031	0.991445
A430018G15Rik	chr2:52425011-52434885	0.8674	0.8401	-0.0461	0.770980
Hipk3	chr2:104426480-104494446	27.0926	27.5602	0.0247	0.850484
Usp8	chr2:126707327-126759297	26.8704	26.9358	0.0035	0.973929
Pced1a	chr2:130417246-130424701	8.4432	8.4476	0.0008	0.995852
Jag1	chr2:137081455-137116644	0.1642	0.1551	-0.0818	0.912812
Acot8	chr2:164792767-164804882	12.4063	12.7130	0.0352	0.861657
1500012F01Rik	chr2:167062933-167065862	32.1689	32.0930	-0.0034	0.992989
mt-Nd5	chrM:11741-13565	75.1541	75.1351	-0.0004	0.998809
Gyg	chr3:20122083-20155317	17.7066	18.1017	0.0318	0.873722
Ppid	chr3:79591341-79603650	27.0666	27.1279	0.0033	0.987065
Sh2d2a	chr3:87846754-87855722	31.0654	31.1470	0.0038	0.982553
Slc16a1	chr3:104638667-104658462	21.2199	21.1941	-0.0018	0.995332
Cdc14a	chr3:116272552-116424032	4.6238	4.6152	-0.0027	0.993596
Tmem68	chr4:3549040-3574853	10.2323	10.2183	-0.0020	0.993171
Ccl27a	chr4:41769466-41774247	0.5623	0.6010	0.0960	0.887939
Gne	chr4:44034074-44084177	9.2571	9.2474	-0.0015	0.994870
Tmod1	chr4:46038934-46116032	6.0235	6.0052	-0.0044	0.981774
A1314180	chr4:58798910-58912749	13.5656	13.8076	0.0255	0.787866
Bmp8b	chr4:123105164-123132099	1.5723	1.6310	0.0528	0.869680
Lsm10	chr4:126096622-126098584	17.8870	18.3311	0.0354	0.860363
Mtfr1l	chr4:134525549-134535387	12.8959	12.9055	0.0011	0.992823
Pex10	chr4:155067015-155072433	5.7334	5.7089	-0.0062	0.979063
Cptp	chr4:155864722-155869440	6.2380	6.2147	-0.0054	0.977221
Efnb3	chr11:69554091-69560205	0.2634	0.2864	0.1209	0.895723
Gm11652	chr11:105773517-105774784	0.6452	0.5981	-0.1092	0.937244
Gm26839	chr12:99563840-99620038	0.8195	0.9158	0.1602	0.910874
Pde8b	chr13:95024453-95250336	0.3590	0.3490	-0.0406	0.958845
Gm25091	chr5:146834833-146834904	14.6540	15.8726	0.1152	0.901866
Gm15500	chr7:114705215-114706235	0.7429	0.8209	0.1440	0.883263
Slurp1	chr15:74726643-74728026	1.4587	1.5944	0.1283	0.841234
Slc39a2	chr14:51892888-51896745	0.5622	0.5962	0.0847	0.908323
Trav6-7-dv9	chr14:53709901-53710417	5.6212	6.0382	0.1032	0.904145
Mmp14	chr14:54431603-54441258	0.3084	0.3303	0.0991	0.840144
4930562C15Rik	chr16:4835415-4867691	0.1850	0.2008	0.1187	0.895089
1700007L15Rik	chr16:33379854-33380727	3.5428	3.7871	0.0962	0.895314
Cacna1b	chr2:24603886-24763152	0.0636	0.0590	-0.1084	0.925475
4933423P22Rik	chr2:90479235-90488425	0.6662	0.7052	0.0820	0.932505
Zc2hc1a	chr3:7503425-7553848	0.2442	0.2321	-0.0733	0.928105
Il2	chr3:37120522-37125959	2.9029	3.1083	0.0986	0.917691
Gm17213	chr3:69431008-69432368	0.4787	0.5278	0.1410	0.897751
Ccl3	chr11:83647843-83649355	1.8467	1.7488	-0.0786	0.949922
Gm15573	chr6:53045883-53046423	2.5364	2.4125	-0.0722	0.954204
Dpep2	chr8:105984943-105996423	0.2401	0.2234	-0.1041	0.940631
Gspt2	chrX:94636068-94643244	0.1874	0.1716	-0.1272	0.935708
4930439A04Rik	chr1:37329666-37334172	1.6070	1.5066	-0.0931	0.955744
Bnip3	chr7:138890835-138909519	1.2053	1.3447	0.1579	0.857986
Ap3d1	chr10:80706977-80742211	38.3130	38.4833	0.0064	0.959358
Appl2	chr10:83600032-83648738	4.1920	4.1840	-0.0028	0.992219
Ankrd52	chr10:128377114-128408704	6.9773	7.1183	0.0289	0.887112
Suox	chr10:128669886-128673918	23.7776	23.7930	0.0009	0.996684
Mpg	chr11:32226504-32232700	10.3469	10.5649	0.0301	0.821310
Clint1	chr11:45852050-45910625	36.4960	36.7017	0.0081	0.910421
Mam1l	chr11:50255633-50292311	6.3733	6.3758	0.0006	0.998076
Gm10392	chr11:77516659-77519198	0.4869	0.4562	-0.0939	0.937623
Tubd1	chr11:86544990-86567360	4.1743	4.1308	-0.0151	0.977292
Tubg1	chr11:101119937-101126419	9.2258	9.4337	0.0322	0.903841
Alyref	chr11:120592120-120598365	31.3973	31.4509	0.0025	0.989462
Gm4419	chr12:21417910-21419803	0.9691	1.0219	0.0764	0.911532
Ifrd1	chr12:40201566-40248504	10.6266	10.8426	0.0290	0.878123
Tbce	chr13:13997948-14039638	22.2413	22.6220	0.0245	0.795783
Serp1b1a	chr13:32842091-32851185	1.7549	1.8288	0.0596	0.909997
Atg10	chr13:90935348-91223987	4.4521	4.5866	0.0429	0.774518

Nos3	chr5:24364809-24384474	0.1292	0.1400	0.1158	0.922618
Smarcd3	chr5:24590817-24602012	8.7664	8.9561	0.0309	0.889156
Nrbp1	chr5:31240863-31251566	43.6099	43.7917	0.0060	0.948166
Arl6ip4	chr5:124116088-124118196	23.9515	23.9349	-0.0010	0.996125
Eif2b1	chr5:124570212-124579131	14.0353	14.0116	-0.0024	0.993367
Cpsf4	chr5:145167212-145182041	15.2959	15.3405	0.0042	0.974520
Gimap1os	chr6:48738345-48740621	52.7026	52.6934	-0.0003	0.999345
Rps15-ps2	chr6:58017489-58017975	1.6031	1.5108	-0.0855	0.943240
Gfpt1	chr6:87042845-87092197	11.0782	11.1281	0.0065	0.952852
Itpr1	chr6:108213117-108551109	23.7823	23.8705	0.0053	0.973387
Gm26951	chr6:128313336-128313997	1.3297	1.2463	-0.0936	0.926830
Rpl18-ps2	chr6:128313337-128313960	1.2977	1.2163	-0.0936	0.926830
Zfp235	chr7:24134173-24142266	4.1339	4.1007	-0.0116	0.971876
Rras	chr7:45017977-45021646	2.8937	2.8399	-0.0271	0.965525
Sphk2	chr7:45709466-45718002	11.7208	11.7475	0.0033	0.969374
Doc2a	chr7:126847415-126852705	5.9230	5.8851	-0.0093	0.980304
Fgf20	chr8:40279165-40308331	0.4172	0.4461	0.0968	0.885804
Mcm5	chr8:75109527-75128439	61.6424	62.6785	0.0240	0.846771
Dnaja2	chr8:85537639-85555271	64.9324	66.1939	0.0278	0.907071
Gm15210	chr8:100030486-100032147	8.4287	8.3979	-0.0053	0.988777
Smpd3	chr8:106252547-106337988	0.3521	0.3764	0.0964	0.904849
Taf1d	chr9:15306213-15312104	60.1396	61.3788	0.0294	0.910479
Ecsit	chr9:22072245-22085438	18.2173	18.2331	0.0013	0.995294
Cep162	chr9:87189572-87255536	6.5299	6.5315	0.0004	0.998567
Slc25a36	chr9:97075596-97111157	15.5994	15.8665	0.0245	0.782878
Klh18	chr9:110425927-110476694	4.1752	4.1504	-0.0086	0.975489
Myd88	chr9:119335933-119341411	24.2698	24.7578	0.0287	0.848759
Slc10a3	chrX:74369216-74373349	21.7675	22.2499	0.0316	0.902805
Laptm4b	chr15:34238025-34284295	3.8028	3.7638	-0.0149	0.977110
Cacna1i	chr15:80287237-80398279	0.5258	0.5191	-0.0186	0.951388
Arsa	chr15:89472475-89477425	4.8769	4.9885	0.0327	0.887998
Xkr6	chr14:63606502-63820809	0.8613	0.8490	-0.0208	0.965234
Lcp1	chr14:75131100-75230842	162.8398	163.9535	0.0098	0.659475
Stk24	chr14:121286342-121379334	69.5171	69.8787	0.0075	0.905307
Fahd1	chr17:24848895-24850302	3.0684	3.1760	0.0497	0.953544
Stub1	chr17:25830635-25833361	47.8734	47.9728	0.0030	0.987433
Trmt2a	chr16:18248678-18254772	17.1791	17.5014	0.0268	0.816764
Gm4462	chr16:20664115-20664607	3.7849	3.9888	0.0757	0.918099
Slc12a8	chr16:33517327-33664135	1.5346	1.5137	-0.0198	0.978818
Hcls1	chr16:36934982-36963212	131.0989	131.8092	0.0078	0.948222
Sptbn2	chr19:4711207-4752353	0.3614	0.3779	0.0644	0.938411
Gm20417	chr19:5797561-5798549	821.1324	822.7112	0.0028	0.992321
Gm22680	chr19:8725340-8725409	20.4399	19.5309	-0.0656	0.948416
Tut1	chr19:8953849-8966207	22.8803	23.2968	0.0260	0.762307
D030056L22Rik	chr19:18713192-18718428	10.2922	10.5358	0.0338	0.917598
Rbm20	chr19:53677305-53867080	0.2350	0.2469	0.0710	0.933236
Zdhhc6	chr19:55298300-55316032	23.1576	23.1602	0.0002	0.999177
Gm15853	chr1:166379838-166380493	2.5868	2.7612	0.0941	0.898198
Surf6	chr2:26888627-26902879	17.2292	17.5847	0.0295	0.894058
Naif1	chr2:32450456-32456953	4.3488	4.3273	-0.0071	0.984032
Mtx2	chr2:74825802-74878431	9.4017	9.3916	-0.0016	0.995814
Nup35	chr2:80617235-80658906	3.7101	3.6821	-0.0109	0.980617
Fnbp4	chr2:90745369-90781021	34.7272	34.9040	0.0073	0.936567
Itpka	chr2:119742336-119751263	0.4286	0.4024	-0.0909	0.943723
Kif16b	chr2:142617473-142901531	10.1499	10.1773	0.0039	0.978802
Bbs7	chr3:36573141-36613477	0.2543	0.2398	-0.0847	0.939862
Gm17641	chr3:68867916-68870266	3.6481	3.6143	-0.0134	0.965786
Gatb	chr3:85574118-85655622	3.9436	3.9456	0.0007	0.994124
Zbtb7b	chr3:89377643-89394776	39.2517	39.3829	0.0048	0.977729
Gm15265	chr3:94998799-95004869	21.0232	20.9972	-0.0018	0.991156
Gm26516	chr4:130774816-130779246	2.6928	2.8097	0.0613	0.915945
Capzb	chr4:139192898-139291818	59.5720	59.6824	0.0027	0.991214
Clstn1	chr4:149586467-149648899	11.3920	11.3955	0.0004	0.998613
Tnfrsf14	chr4:154922209-154928563	27.8194	28.4432	0.0320	0.881048
O610009B22Rik	chr11:51685385-51688874	4.1267	4.3385	0.0722	0.912548
Fkbp10	chr11:100415696-100424824	0.2256	0.2123	-0.0880	0.948350
Gm26888	chr11:119151650-119156994	0.2356	0.2229	-0.0800	0.947877
Rad51b	chr12:79297350-79508656	1.3944	1.3550	-0.0414	0.954425
Yes1	chr5:32611170-32687066	0.1623	0.1528	-0.0870	0.955714
Trav14-2	chr14:53640700-53641224	13.2997	12.6298	-0.0746	0.941071
Opn3	chr1:175662420-175692776	0.7056	0.7552	0.0980	0.908396

Ppp1r26	chr2:28446799-28455508	0.1368	0.1303	-0.0703	0.933405
Gm3362	chr15:37943326-37943792	1.2469	1.1739	-0.0871	0.933736
Eqtn	chr4:94907266-94928843	0.4870	0.5422	0.1549	0.930432
Samd1	chr8:83997671-84000386	26.6748	27.2402	0.0303	0.912901
Gm15890	chr8:94379236-94386972	2.3402	2.4443	0.0628	0.905853
Cd164	chr10:41519499-41531042	79.6660	81.0826	0.0254	0.871092
Vma21	chrX:71815923-71839757	1.1842	1.2171	0.0395	0.832410
NA	chr1:153905300-153916910	1.2470	1.1831	-0.0759	0.894975
Tmem19	chr10:115340738-115362262	15.2374	15.5400	0.0284	0.813811
Tmem248	chr5:130219743-130243765	22.6671	23.0500	0.0242	0.775216
Eef2k	chr7:120842830-120907219	2.8846	2.8834	-0.0006	0.998211
6330419J24Rik	chrX:56374609-56377799	2.7499	2.8294	0.0411	0.941029
Mina	chr16:59471774-59492461	13.7186	13.7695	0.0053	0.974910
Tpps2	chr18:25127222-25169007	3.3245	3.3269	0.0010	0.995073
Gm7180	chr7:81222361-81222874	1.7608	1.6874	-0.0615	0.935572
Gm6899	chr11:26593240-26593862	1.7947	1.7119	-0.0681	0.946608
Abcd4	chr12:84602530-84617466	5.3075	5.2857	-0.0059	0.974093
Naaa	chr5:92257658-92278170	2.5931	2.5750	-0.0101	0.977457
Pon3	chr6:5220851-5256286	3.5323	3.6207	0.0357	0.957747
Art4	chr6:136848450-136857733	1.8155	1.8723	0.0444	0.909537
Zhx1	chr15:58047002-58076541	17.0073	17.0785	0.0060	0.943838
Dleu7	chr14:62276230-62292979	0.5641	0.5936	0.0736	0.942825
Gm17133	chr17:64748849-64754096	12.7372	13.2095	0.0525	0.896760
Klh6	chr16:19946498-19983037	87.0804	87.5338	0.0075	0.958284
Ccdc14	chr16:34690615-34725194	3.5686	3.6430	0.0298	0.831583
NA	chr1:137928169-137930273	0.3387	0.3661	0.1122	0.931175
Arhgap30	chr1:171388953-171410298	105.9478	106.6094	0.0090	0.820451
Gm13562	chr2:26352644-26371952	9.1482	9.3933	0.0381	0.864558
Endog	chr2:30171492-30174069	13.3328	13.6383	0.0327	0.847846
Gm6733	chr11:72833460-72835380	0.7878	0.8404	0.0932	0.923674
Zfp941	chr7:140807448-140822178	0.2582	0.2423	-0.0920	0.957075
Muc1	chr3:89229056-89233381	0.9043	0.9578	0.0828	0.918222
A3galt2	chr4:128755363-128769298	0.2267	0.2172	-0.0614	0.959598
Cetn4	chr3:37307748-37312708	0.2434	0.2614	0.1032	0.937829
Asc2	chr11:4637746-4685699	13.7937	13.8456	0.0054	0.957011
Paip1	chr13:119428600-119458218	23.4587	23.5298	0.0044	0.978108
Dcaf13	chr15:39112873-39146856	52.3227	52.5152	0.0053	0.967627
Slc9a5	chr8:105348257-105369881	0.8590	0.8164	-0.0733	0.951902
Oaz1	chr10:80826555-80829290	11.5190	11.5360	0.0021	0.973472
Gm16239	chr10:99179183-99184610	0.3581	0.3428	-0.0627	0.955722
Cdk2	chr10:128697938-128705051	23.6816	24.0992	0.0252	0.901167
Gm11655	chr11:108181849-108194126	7.1762	7.0806	-0.0193	0.980754
2310015A10Rik	chr12:80120547-80132844	16.2782	16.5845	0.0269	0.906571
Numb	chr12:83794033-83921934	11.2061	11.4474	0.0307	0.902971
Fam172a	chr13:77708689-78166238	19.3732	19.7228	0.0258	0.866515
Glccl1	chr6:8509599-8597548	16.2875	16.5894	0.0265	0.899848
Zfp108	chr7:24257643-24261914	0.6129	0.6431	0.0693	0.905755
Zfp940	chr7:29833619-29853669	2.7419	2.8055	0.0331	0.905159
Zfp146	chr7:30161273-30169727	36.6787	36.7885	0.0043	0.984093
Gm26935	chr7:30737652-30748437	1.1335	1.0439	-0.1189	0.943677
Gm1966	chr7:106601242-106604035	123.8081	125.7879	0.0229	0.865912
Stk26	chrX:50841046-50893097	28.1519	28.2664	0.0059	0.974220
Fzd6	chr15:39006279-39038186	0.4045	0.3940	-0.0380	0.943786
Gm16576	chr15:79742697-79757394	1.1835	1.2144	0.0372	0.853373
Rarb	chr14:16430841-16575472	2.6167	2.5814	-0.0196	0.970224
Tssk4	chr14:55650181-55652539	1.5216	1.4986	-0.0220	0.966651
Ccr6	chr17:8236042-8257127	5.6128	5.5767	-0.0093	0.975907
Fam195a	chr17:25863697-25868738	1.7974	1.8873	0.0704	0.909968
Pip5k1b	chr19:24294793-24555872	0.9088	0.9391	0.0474	0.938322
Rnf25	chr1:74593747-74601397	15.3278	15.6271	0.0279	0.922731
Cxcr4	chr1:128588198-128592293	47.9467	48.0215	0.0022	0.993070
Tor1aip1	chr1:156004598-156036480	13.0119	13.2420	0.0253	0.883638
Slc20a1	chr2:129198763-129211616	28.1659	28.2961	0.0067	0.953825
4930402H24Rik	chr2:130706199-130906406	3.3972	3.4670	0.0293	0.920163
Csf1	chr3:107741047-107760469	7.3533	7.5389	0.0360	0.943197
Rtca	chr3:116488962-116508208	15.1194	15.4348	0.0298	0.914709
Rnf20	chr4:49632005-49656887	29.3220	29.8020	0.0234	0.883000
Elovl1	chr4:118428092-118432953	22.3651	22.4448	0.0051	0.971585
Ak2	chr4:128991957-129011529	54.3657	55.2767	0.0240	0.852822
Nipal3	chr4:135446136-135495038	15.6032	15.8814	0.0255	0.869748
Trbv21	chr6:41202754-41203044	2.2090	2.0917	-0.0787	0.957973

Snord88a	chr7:44250134-44250224	10.6765	10.0439	-0.0881	0.957096
Hmgn5	chrX:109004533-109013404	2.0180	1.9914	-0.0192	0.973325
Fer1l5	chr1:36372290-36422110	0.4815	0.5057	0.0709	0.951565
Col10a1	chr10:34389980-34397085	2.7114	2.6800	-0.0168	0.973609
Gm5424	chr10:62071014-62072609	2.6764	2.7684	0.0488	0.871701
Gm11427	chr11:83254195-83260534	7.1384	7.3200	0.0362	0.919357
Nt5c	chr11:115490419-115491862	81.7620	82.2276	0.0082	0.958339
Irf2bpl	chr12:86880702-86884814	17.5113	17.8621	0.0286	0.918243
Tec	chr5:72755717-72868483	5.1305	5.2736	0.0397	0.916972
Tctn1	chr5:122241286-122264460	5.7745	5.8904	0.0287	0.849121
Rasa4	chr5:136083915-136111860	0.5386	0.5614	0.0597	0.937097
Ate1	chr7:130391525-130519961	17.2353	17.5269	0.0242	0.795535
Bet1l	chr7:140853383-140856383	18.6489	19.1129	0.0355	0.894939
Ankrd10	chr8:11611582-11635754	27.5049	27.6595	0.0081	0.907834
Primpol	chr8:46575578-46617212	9.8788	9.9120	0.0048	0.981723
Mpv17l2	chr8:70758648-70760921	16.9796	16.9687	-0.0009	0.997233
Herpud1	chr8:94386437-94395377	49.3551	49.5796	0.0065	0.961982
Ube2q2	chr9:55148853-55207529	6.9990	7.0165	0.0036	0.982811
Tpm1	chr9:67022589-67049406	8.0190	8.1557	0.0244	0.832876
Rnf113a1	chrX:37191244-37192462	4.9721	4.9541	-0.0052	0.987461
Ocrl	chrX:47912386-47965868	2.0979	2.0979	0.0000	0.999978
Hgh1	chr15:76368897-76371403	8.3850	8.5920	0.0352	0.843173
Nudt15	chr14:73519863-73548242	0.3759	0.3588	-0.0670	0.944570
Mir5134	chr17:24234526-24234604	8.6190	8.1119	-0.0875	0.950754
Snora64	chr17:24720771-24720905	7.8048	7.4341	-0.0702	0.954217
Ube2i	chr17:25261915-25274622	26.2789	26.4114	0.0073	0.963173
Z310039H08Rik	chr17:46772634-46773407	18.2785	18.7162	0.0341	0.922591
Kpna1	chr16:35978749-36037131	13.4504	13.4655	0.0016	0.994831
Snord87	chr1:9942462-9942549	12.6070	12.1485	-0.0534	0.956858
Arhgef4	chr1:34678187-34813309	3.5603	3.6376	0.0310	0.892415
Cnrm3	chr1:36511866-36528237	7.1327	7.1479	0.0031	0.984156
Hhat	chr1:192512827-192771213	0.5506	0.5665	0.0412	0.913948
1700019L03Rik	chr2:32777380-32784428	1.5339	1.5906	0.0523	0.924144
Psmc5	chr2:34852087-34870939	20.8831	20.9474	0.0044	0.979869
Casp9	chr4:141793611-141815976	3.9738	3.9711	-0.0010	0.996255
Il17rc	chr6:113471426-113483140	0.2234	0.2146	-0.0581	0.957791
Gm15775	chr8:124324777-124331795	2.3710	2.3196	-0.0316	0.959937
Gm15563	chr9:66572000-66582059	8.1985	8.5920	0.0676	0.934420
Scarna17	chr18:74778390-74778469	11.5300	12.2859	0.0916	0.908745
Zfp935	chr13:62454322-62466709	10.6937	10.6551	-0.0052	0.989972
Z310022B05Rik	chr8:124635765-124663369	1.6546	1.6989	0.0381	0.911439
Gm16364	chr10:39556070-39558062	5.8276	5.7729	-0.0136	0.975101
Mcm3ap	chr10:76468970-76515856	17.3884	17.4876	0.0082	0.949150
Gm11400	chr11:3149741-3150955	5.0788	5.2401	0.0451	0.926609
Ankfy1	chr11:72690005-72772146	19.7864	20.0923	0.0221	0.864069
Mrs2	chr13:24992482-25020379	15.1057	15.1578	0.0050	0.960608
Lyar	chr5:38220469-38234306	17.6095	17.5466	-0.0052	0.991192
Gm15927	chr7:3632113-3644887	8.3625	8.3597	-0.0005	0.998049
Zfp846	chr9:20581324-20595194	7.0477	7.0463	-0.0003	0.999283
Gm10698	chr9:33728212-33728889	3.0618	3.1756	0.0527	0.945863
Tmem115	chr9:107533944-107538656	18.3547	18.7232	0.0287	0.902543
Lamb2	chr9:108479861-108490530	0.2124	0.2035	-0.0619	0.952574
Tmsb15b2	chrX:136955264-136975497	10.6770	10.9738	0.0396	0.919965
Eif1ax	chrX:159372177-159389928	18.8328	18.8562	0.0018	0.995818
Trps1	chr15:50654760-50890041	6.1892	6.2063	0.0040	0.984685
Ankrd28	chr14:31700014-31830415	14.6185	14.6832	0.0064	0.956121
Rnf8	chr17:29614789-29703359	29.6867	30.1277	0.0213	0.784468
Gltscr1l	chr17:46798115-46831413	8.2760	8.4259	0.0259	0.873687
Scyl1	chr19:5758426-5771401	25.4391	25.5344	0.0054	0.987953
Ms4a1	chr19:11250602-11266151	0.5857	0.5524	-0.0843	0.953149
Rqcd1	chr1:74506057-74530844	19.1812	19.2557	0.0056	0.979487
Alyref2	chr1:171503477-171504750	5.9021	5.8714	-0.0075	0.992609
Trp53bp2	chr1:182409171-182462432	7.6246	7.7786	0.0288	0.889712
Ctnna1	chr18:35118887-35254773	18.1232	18.1917	0.0054	0.978671
Cacfd1	chr2:27009925-27021089	2.8981	2.9003	0.0011	0.992045
Vav2	chr2:27262103-27427033	11.2757	11.4701	0.0247	0.879275
Myo3b	chr2:70039125-70429198	3.1220	3.2549	0.0601	0.929942
Pank2	chr2:131262494-131299188	22.4157	22.8131	0.0254	0.863559
Srms	chr2:181205561-181213185	0.5927	0.5669	-0.0642	0.957196
Psmc4	chr3:95032693-95042614	50.4267	51.2983	0.0247	0.919762
Kdm4c	chr4:74242496-74405860	16.9804	17.0350	0.0046	0.982529

Mmachc	chr4:116702278-116708406	3.4044	3.5129	0.0453	0.910846
Mrps15	chr4:126046924-126055532	28.1067	28.1550	0.0025	0.993050
Trmt112-ps2	chr4:149457296-149457872	1.4036	1.4759	0.0725	0.934534
Entpd7	chr19:43689671-43733697	1.0934	1.1371	0.0565	0.932878
Slc4a10	chr2:62046461-62326730	0.2525	0.2674	0.0826	0.937151
Gm15346	chr8:22686264-22695646	1.2046	1.2984	0.1082	0.933493
Dbnl	chr11:5788487-5800962	77.1463	77.5771	0.0080	0.968411
Nudt7	chr8:114133556-114152312	5.3903	5.5355	0.0384	0.928624
Tsnax	chr8:125012996-125034192	31.4246	31.9625	0.0245	0.909398
Acta2	chr19:34241089-34255336	0.9612	0.9342	-0.0410	0.959131
Cnppd1	chr1:75134553-75142368	31.3891	31.5685	0.0082	0.949660
Setbp1	chr18:78750379-79109391	1.2497	1.2470	-0.0031	0.995417
Slc16a3	chr11:120948479-120960868	5.9773	6.1231	0.0348	0.954106
Ahi1	chr10:20952546-21080428	10.1296	10.3156	0.0263	0.843800
2810002D19Rik	chr2:94406150-94411682	7.4969	7.6519	0.0295	0.942593
Rgs9bp	chr7:35578997-35585582	0.1090	0.1047	-0.0583	0.954919
Fam151b	chr13:92449621-92484031	2.4072	2.3751	-0.0194	0.969934
Slc22a17	chr14:54906726-54913132	0.7344	0.7680	0.0645	0.917973
Ssx2ip	chr3:146404641-146440139	3.1313	3.1957	0.0294	0.928768
P2ry1	chr3:61002794-61008979	0.2034	0.1966	-0.0490	0.970145
Gm11748	chr11:118476469-118479458	0.9976	1.0497	0.0735	0.927592
Gm684	chr9:51270257-51278554	0.8813	0.8560	-0.0420	0.961089
Rps7	chr12:28630846-28635953	8.5024	8.4504	-0.0089	0.984194
Ston1	chr17:88597683-88662586	0.3555	0.3745	0.0751	0.927265
Cracr2a	chr6:127577974-127629938	12.6765	12.6548	-0.0025	0.995921
Pthr1	chr2:32775785-32777597	2.5785	2.5391	-0.0223	0.972859
Zbtb10	chr3:9250601-9285333	1.7561	1.7550	-0.0009	0.997702
Xbp1	chr11:5520658-5525893	35.8298	36.0608	0.0093	0.860610
Spred2	chr11:19924374-20024026	2.3231	2.3807	0.0353	0.942063
Zbed5	chr5:129895722-129903623	2.4165	2.4953	0.0463	0.945371
Zfp790	chr7:29816071-29832042	9.6614	9.8282	0.0247	0.885379
Haus5	chr7:30653710-30664994	5.6976	5.8053	0.0270	0.896295
Rpusd4	chr9:35267864-35277731	12.7641	12.7616	-0.0003	0.999098
Gm7707	chr14:32266592-32267748	2.7180	2.6845	-0.0179	0.974202
9930012K11Rik	chr14:70154404-70159502	3.8719	3.9577	0.0316	0.921438
Plcl2	chr17:50509546-50688493	41.0049	41.3000	0.1003	0.923640
Acbd6	chr1:155558119-155687233	12.1902	12.4372	0.0289	0.912927
Ii27	chr7:126589009-126594941	0.9249	0.8833	-0.0663	0.959598
Skp2	chr15:9111984-9140451	2.3517	2.3986	0.0285	0.888350
NA	chr10:5020202-5069063	13.7238	13.9382	0.0224	0.895269
Aim1	chr10:43950306-44004846	22.3056	22.6483	0.0220	0.752198
BC005537	chr13:24801656-24814013	65.9701	67.0497	0.0234	0.885912
Prkab1	chr5:116013585-116024508	19.1277	19.4751	0.0260	0.905281
Gm7457	chr6:142814230-142833494	0.4547	0.4413	-0.0431	0.958202
Supt5	chr7:28314897-28338719	55.3961	55.7976	0.0104	0.905693
Car11	chr7:45699842-45704682	0.9122	0.8970	-0.0242	0.956640
Man2a2	chr7:80349097-80371375	15.6427	15.9057	0.0241	0.899926
Gcdh	chr8:84886392-84893921	11.4421	11.6692	0.0283	0.877579
Gpr18	chr14:121911434-121915774	41.1426	41.3727	0.0080	0.961296
Supt3	chr17:44777151-45119290	3.5297	3.6185	0.0358	0.928661
Gm9974	chr16:17081998-17082691	3.7266	3.6631	-0.0248	0.971145
Gnaq	chr19:16132830-16387463	4.1546	4.2257	0.0245	0.906541
Arhgap21	chr2:20847918-20968881	1.9573	1.9584	0.0008	0.998025
Pdss1	chr2:22895521-22940266	4.8336	4.8344	0.0002	0.999587
Traf2	chr2:25517981-25546940	18.4683	18.5753	0.0083	0.957215
Sec16a	chr2:26409430-26445216	24.1936	24.5631	0.0219	0.825237
Eli3	chr2:121439009-121444278	0.8369	0.8163	-0.0358	0.967439
Fam110a	chr2:151969397-151980219	5.6454	5.6212	-0.0062	0.990009
Csnk2a1	chr2:152226838-152281852	21.3678	21.7171	0.0234	0.898434
Tusc1	chr4:93334147-93335511	0.7278	0.7617	0.0657	0.930914
Prkag2os1	chr5:24902568-24906850	1.3861	1.3613	-0.0260	0.982608
Gm13689	chr2:80549711-80550396	0.8773	0.9424	0.1032	0.941731
Timm13	chr10:80899449-80900969	27.3021	27.8472	0.0285	0.915640
B630005N14Rik	chr6:13625676-13677966	16.3268	16.6028	0.0242	0.865468
Fam213a	chr14:40993739-41013788	2.3719	2.3465	-0.0155	0.978215
Gm15527	chr6:54245741-54279076	0.2827	0.2767	-0.0311	0.970044
Sik2	chr9:50892800-51009073	5.1126	5.1307	0.0051	0.981872
Rmnd1	chr10:4401914-4432388	4.9550	4.9921	0.0108	0.964814
Map7	chr10:20148470-20281589	5.1936	5.2192	0.0071	0.985651
Bclaf1	chr10:20312468-20342501	94.9111	96.1608	0.0189	0.882936
Herc4	chr10:63243796-63317881	45.3965	45.7358	0.0107	0.934536

lpmk	chr10:71347762-71433327	5.5581	5.6512	0.0240	0.866860
Prmt2	chr10:76207221-76237865	5.2780	5.3586	0.0219	0.949377
Ilvbl	chr10:78574499-78584498	17.4695	17.7521	0.0231	0.887232
2610008E11Rik	chr10:79064373-79097600	13.9068	14.0990	0.0198	0.889896
Sbno2	chr10:80057415-80102698	22.4947	22.6681	0.0111	0.972052
Stk11	chr10:80115802-80130682	19.3441	19.5057	0.0120	0.908516
Apba3	chr10:81268171-81273246	16.0245	16.2645	0.0214	0.932302
Fhl4	chr10:85097018-85102495	0.6297	0.6521	0.0505	0.952756
Lta4h	chr10:93453395-93484896	75.4848	76.5376	0.0200	0.917704
Socs2	chr10:95385361-95417180	4.7906	4.8774	0.0259	0.916828
Irak3	chr10:120141647-120202130	0.8702	0.8688	-0.0022	0.996378
Gm16166	chr10:120928185-120928972	0.9375	0.9741	0.0553	0.958936
Tbc1d30	chr10:121263823-121311189	10.1676	10.2195	0.0073	0.967013
Cs	chr10:128337831-128362479	80.3201	81.4659	0.0204	0.822267
Drg1	chr11:3187359-3266415	28.0893	28.2799	0.0098	0.948960
Trim7	chr11:48826139-48852209	0.4167	0.4276	0.0373	0.950191
D930048N14Rik	chr11:51650953-51657681	0.6110	0.6273	0.0379	0.941872
Nt5m	chr11:59839446-59880968	3.6893	3.7667	0.0299	0.951226
Rangrf	chr11:68972483-68975185	2.4533	2.5218	0.0398	0.917682
Naa38	chr11:69395486-69396680	22.7623	22.8543	0.0058	0.986504
Eif4a1	chr11:69666935-69672423	31.9885	32.1859	0.0089	0.966623
Gps2	chr11:69913887-69916591	36.5805	37.1247	0.0213	0.911834
Rnasek	chr11:70238123-70239842	12.8339	13.0563	0.0248	0.959121
Rpain	chr11:70970212-70977833	8.4654	8.5346	0.0118	0.958380
Myo1c	chr11:75650503-75673910	13.0942	13.1705	0.0084	0.974448
Ksr1	chr11:79013439-79146407	10.0398	10.1048	0.0093	0.974827
Nle1	chr11:82900767-82908411	7.5006	7.5348	0.0066	0.975328
Phb	chr11:95666956-95680773	7.5136	7.6356	0.0232	0.849663
Cacnb1	chr11:98001507-98023034	3.7882	3.8510	0.0237	0.933135
Thra	chr11:98740637-98769006	2.2857	2.2860	0.0002	0.999255
Milr1	chr11:106751225-106768794	5.4379	5.4633	0.0067	0.984167
Endov	chr11:119491346-119511437	4.4004	4.4232	0.0074	0.976278
1110002L01Rik	chr12:3403877-3427011	6.0818	6.1711	0.0210	0.920907
Itgb1bp1	chr12:21240824-21286237	12.8021	12.8832	0.0091	0.947204
Gdap10	chr12:32821871-32826904	6.8528	6.9560	0.0216	0.932947
Hdac9	chr12:34371502-34528889	1.4672	1.4942	0.0263	0.961595
NA	chr12:55239325-55263020	6.6855	6.7368	0.0110	0.949194
Pcnx14	chr12:72536356-72580213	1.5132	1.5552	0.0395	0.945332
2410016O06Rik	chr12:83950607-83952953	15.3885	15.6394	0.0233	0.918609
Mark3	chr12:111574509-111656227	42.0773	42.6021	0.0179	0.856799
Bag5	chr12:111709487-111713257	11.3084	11.5243	0.0273	0.904833
Wdr60	chr12:116207049-116263025	0.7473	0.7378	-0.0184	0.976832
4930586N03Rik	chr13:23313524-23385799	2.0704	2.0548	-0.0109	0.988233
Gm11361	chr13:28257635-28258094	3.1860	3.2919	0.0472	0.944460
Serpinc6b	chr13:32965208-32979067	15.3248	15.5833	0.0241	0.931432
Mir23b	chr13:63300471-63300568	15.4036	14.9939	-0.0389	0.960583
Mier3	chr13:111686177-111718596	10.2521	10.3254	0.0103	0.946940
Mrps30	chr13:118380109-118387252	29.2250	29.7121	0.0238	0.922788
Mterf1b	chr5:4192366-4197651	3.1660	3.1725	0.0030	0.993438
Clock	chr5:76212176-76304548	8.8513	8.9755	0.0201	0.739423
Ythdc1	chr5:86804220-86836659	32.6580	32.9258	0.0118	0.874126
Enoph1	chr5:100039993-100068762	12.5563	12.7817	0.0257	0.924261
Tfip11	chr5:112326357-112338073	13.5915	13.7942	0.0214	0.870300
Brap	chr5:121660562-121687248	23.6676	23.8579	0.0116	0.901212
lft81	chr5:122550203-122614518	1.3425	1.3899	0.0500	0.949216
Bcl7a	chr5:123343833-123374082	2.4532	2.4980	0.0261	0.921148
Dnah10	chr5:124725084-124834308	0.0664	0.0644	-0.0435	0.974435
Mkln1	chr6:31398734-31516811	7.9931	8.1061	0.0202	0.807765
Akr1b10	chr6:34384217-34396950	7.5135	7.6489	0.0258	0.924945
Nup205	chr6:35177429-35247590	33.7939	34.2300	0.0185	0.895064
Klrg2	chr6:38626659-38637239	0.3240	0.3416	0.0765	0.941695
Mkrn1	chr6:39397803-39420462	24.8403	25.0474	0.0120	0.939442
Trbv15	chr6:41141210-41141658	121.2676	122.0529	0.0093	0.961214
Retsat	chr6:72598474-72608425	2.5868	2.5910	0.0023	0.995354
Tia1	chr6:86404218-86433403	11.1780	11.3310	0.0196	0.907475
Arhgap25	chr6:87458544-87533259	47.5758	48.1909	0.0185	0.842009
Lsm3	chr6:91515927-91522625	35.3483	35.8840	0.0217	0.907708
Edem1	chr6:108828640-108859356	50.1100	50.5199	0.0118	0.779705
March8	chr6:116338023-116409540	0.3371	0.3473	0.0429	0.966946
Gm15856	chr6:121223691-121226153	1.2222	1.2090	-0.0157	0.985214
Rad51ap1	chr6:126923049-126939587	5.1775	5.2588	0.0225	0.942969

Cmas	chr6:142756685-142775714	25.2761	25.6990	0.0239	0.873844
Zfp583	chr7:6315659-6331285	0.8246	0.8457	0.0366	0.948004
Gm17907	chr7:55902601-55903311	1.0973	1.1438	0.0598	0.956017
Zscan2	chr7:80860919-80876516	10.4168	10.4772	0.0083	0.972204
Ctsc	chr7:88278084-88310888	19.1290	19.3583	0.0172	0.900025
Prcp	chr7:92875252-92934573	4.7409	4.7699	0.0088	0.973592
Clns1a	chr7:97696633-97718879	46.2289	46.4320	0.0063	0.979221
Dnajb13	chr7:100503017-100514960	7.1252	7.1752	0.0101	0.944105
Taldo1	chr7:141392198-141402968	65.1428	66.1169	0.0214	0.908728
Snora52	chr7:141448802-141448939	28.0554	27.9785	-0.0040	0.994291
Dctn6	chr8:34090419-34108796	20.8306	20.9418	0.0077	0.920647
Cenpu	chr8:46552054-46580007	7.7378	7.8569	0.0220	0.922839
Cbr4	chr8:61487733-61503482	3.9966	4.0206	0.0086	0.962036
Rfxank	chr8:70130811-70139197	12.2717	12.4365	0.0192	0.904782
Use1	chr8:71366847-71369732	38.2761	38.5466	0.0102	0.960017
0610038B21Rik	chr8:77518114-77523898	2.1968	2.2569	0.0389	0.937263
Z310036O22Rik	chr8:85026832-85030285	145.9375	146.8982	0.0095	0.950663
Txn14b	chr8:109565891-109574051	5.2534	5.3668	0.0308	0.925985
Dbndd1	chr8:123504717-123515463	1.5261	1.5178	-0.0079	0.990704
Swsap1	chr9:21955752-21958270	4.7544	4.7584	0.0012	0.995297
Gm26737	chr9:44112922-44121947	0.5935	0.6163	0.0542	0.940239
Rdx	chr9:52047149-52088737	65.7540	66.2946	0.0118	0.920478
Rcn2	chr9:56041844-56061882	8.3533	8.4783	0.0214	0.909128
Mtfmt	chr9:65435781-65453054	5.4323	5.4555	0.0061	0.977864
Gtf2a2	chr9:70012549-70022866	17.0217	17.1541	0.0112	0.945951
Fam63b	chr9:70599013-70657174	24.2643	24.4556	0.0113	0.936562
Nck1	chr9:100492292-100546053	11.4949	11.5833	0.0111	0.965619
Snora62	chr9:120130414-120130563	6.8177	7.0048	0.0391	0.947957
9530027J09Rik	chrX:48276791-48285426	14.4670	14.5378	0.0070	0.968952
Atp11c	chrX:60223289-60592698	13.8734	14.0688	0.0202	0.874026
Zfx	chrX:94074630-94123702	13.6660	13.8389	0.0181	0.916063
F630028O10Rik	chrX:96239941-96243636	0.3366	0.3478	0.0474	0.972923
Gm5763	chrX:142631482-142634015	0.3920	0.4112	0.0691	0.960115
Rragb	chrX:153139980-153171943	5.1419	5.2452	0.0287	0.943428
Zfp622	chr15:25984365-25998482	25.7549	26.1292	0.0208	0.932498
Eif3e	chr15:43250039-43282736	139.5649	141.3905	0.0187	0.943050
Pkhd1l1	chr15:44457552-44597143	0.4868	0.4972	0.0305	0.948894
Lynx1	chr15:74747855-74752979	0.9726	0.9913	0.0274	0.944621
Apol7e	chr15:77698888-77719288	6.5677	6.7210	0.0333	0.899183
Sun2	chr15:79724069-79742536	92.4933	93.1567	0.0103	0.942068
Atxn10	chr15:85336380-85463836	33.9544	34.4439	0.0206	0.911000
Lmf2	chr15:89351003-89355659	12.0171	12.0941	0.0092	0.978793
Slc4a8	chr15:100761746-100823968	2.1774	2.1876	0.0068	0.959863
Ube2e1	chr14:18282721-18331859	7.7463	7.8891	0.0264	0.928265
Asb14	chr14:26894556-26915258	0.5088	0.5239	0.0421	0.964774
App1	chr14:26918987-26971232	12.8661	12.9664	0.0112	0.941307
Chdh	chr14:30009022-30040466	2.6230	2.6639	0.0223	0.954480
Wapal	chr14:34673927-34747983	63.2761	64.1600	0.0200	0.900010
Trav13-1	chr14:53545013-53545521	7.8992	7.8593	-0.0073	0.991735
Trav12-3	chr14:53621656-53622243	5.9040	6.0325	0.0311	0.961015
Trav15-2-dv6-2	chr14:53649386-53649993	1.8940	1.9557	0.0462	0.958773
Trdv1	chr14:53881531-53882216	2.2580	2.2446	-0.0086	0.992239
Traj3	chr14:54217291-54217357	100.1413	102.5764	0.0347	0.959868
Zmym2	chr14:56887794-56962579	30.4375	30.6385	0.0095	0.956411
Gm16259	chr14:105292431-105292984	2.0225	2.0773	0.0386	0.946504
Dnajc3	chr14:118937931-118981702	50.2783	50.7084	0.0123	0.887377
BC002059	chr17:16972909-16973770	21.4373	21.7825	0.0230	0.821116
Zfp54	chr17:21423226-21435640	7.0678	7.2245	0.0316	0.930182
Tmem8	chr17:26113315-26123254	7.8430	7.8762	0.0061	0.987190
Phf1	chr17:26933126-26937890	29.1978	29.4563	0.0127	0.961146
U2af1	chr17:31647081-31658754	29.9359	30.1080	0.0083	0.960458
Gm26549	chr17:32284786-32298689	4.8238	4.8218	-0.0006	0.998935
Cyp4f13	chr17:32924687-32947402	4.9294	5.0261	0.0280	0.913776
Zfp472	chr17:32965813-32979233	12.4634	12.6386	0.0201	0.932650
Zfp101	chr17:33360506-33394641	4.8788	4.9050	0.0077	0.975567
Tap2	chr17:34203526-34216321	66.7078	67.7229	0.0218	0.879839
Gm20460	chr17:34614483-34627349	4.9172	5.0141	0.0281	0.941742
Prr3	chr17:35972540-35980236	4.0199	4.0835	0.0226	0.758004
Tjap1	chr17:46257850-46283026	6.8552	6.9560	0.0211	0.937631
D17Wsu104e	chr17:56175743-56183920	16.9765	17.0813	0.0089	0.964214
C030034I22Rik	chr17:69417460-69418931	5.3017	5.3104	0.0023	0.990824

Gemin6	chr17:80224440-80228497	4.2404	4.3327	0.0311	0.947802
Nmral1	chr16:4710058-4719356	6.6821	6.7802	0.0210	0.936045
Zc3h7a	chr16:11136591-11176393	34.4420	34.7529	0.0130	0.904668
Pdxdc1	chr16:13833147-13903131	15.7368	15.9446	0.0189	0.807141
Mcm4	chr16:15623896-15637400	56.2773	56.7505	0.0121	0.892196
Mapk1	chr16:16983381-17047453	41.2618	41.8400	0.0201	0.766600
Gm15954	chr16:18069213-18070362	2.7602	2.7203	-0.0210	0.929078
Xxylt1	chr16:30955626-31081432	9.4035	9.5471	0.0219	0.875585
Tfg	chr16:56690331-56717450	18.5537	18.8352	0.0217	0.846632
Ndufv1	chr19:4007496-4012806	33.2962	33.7708	0.0204	0.874612
Pitpnm1	chr19:4099997-4113965	39.0609	39.3747	0.0115	0.958201
Frdm8os	chr19:5848507-5851372	35.3739	36.0327	0.0266	0.917008
Polr2g	chr19:8793128-8798557	52.4488	53.3318	0.0241	0.901132
Asrgl1	chr19:9109867-9135636	7.5333	7.5820	0.0093	0.915830
Fxn	chr19:24261452-24280605	4.7330	4.7450	0.0036	0.990018
Cdc37l1	chr19:28990493-29017569	32.4978	32.9827	0.0214	0.801361
Ins16	chr19:29321343-29325356	8.5199	8.5463	0.0045	0.984058
2010300C02Rik	chr1:37611676-37720085	0.4568	0.4718	0.0467	0.963138
Mettl21c	chr1:44009407-44020034	1.4619	1.4636	0.0016	0.996519
Gls	chr1:52163447-52233232	30.3566	30.7901	0.0205	0.889410
Gm24053	chr1:54769217-54769322	10.7739	11.1048	0.0437	0.965142
Sf3b1	chr1:54985168-55027478	265.0625	268.2529	0.0173	0.867621
Tyw5	chr1:57388236-57407101	6.6821	6.8075	0.0268	0.929759
Dock10	chr1:80501072-80758553	125.6758	127.3921	0.0196	0.830450
Hdlbp	chr1:93405939-93478808	32.4285	32.9186	0.0216	0.864347
Gm3531	chr1:97948900-97949389	9.4509	9.6652	0.0323	0.923429
Tsn	chr1:118298516-118311132	44.5140	45.0790	0.0182	0.896810
Slc35f5	chr1:125561015-125595684	1.1224	1.1542	0.0403	0.955389
E330020D12Rik	chr1:153404826-153408429	1.0239	1.0442	0.0283	0.971014
Cacna1e	chr1:154392518-154725920	0.0641	0.0595	-0.1066	0.956687
Gm23212	chr1:161036681-161036741	307.6713	309.4290	0.0082	0.984296
Ifi203	chr1:173920406-173942672	36.6994	37.2203	0.0203	0.928950
Sde2	chr1:180851150-180868097	15.0568	15.1607	0.0099	0.968364
Polr2d	chr18:31789158-31796642	19.2083	19.2867	0.0059	0.986005
Gm5239	chr18:35536582-35536951	16.6863	17.2800	0.0504	0.937370
Sra1	chr18:36666680-36671196	21.4658	21.7572	0.0195	0.830735
Napg	chr18:62977835-62999450	12.2191	12.4075	0.0221	0.793254
Rpp38	chr2:3328948-3332643	10.0416	10.2822	0.0342	0.946196
Mcm10	chr2:4989713-5012791	4.3776	4.4337	0.0184	0.912360
Gm13199	chr2:5862079-5862934	8.4153	8.6310	0.0365	0.938050
Dnajc1	chr2:18195653-18392830	13.2163	13.3287	0.0122	0.849567
Nsmf	chr2:25054354-25062881	7.5867	7.6128	0.0050	0.985330
Qsox2	chr2:26208636-26237525	3.9524	4.0243	0.0260	0.900787
Pip5k1l	chr2:32574796-32583782	0.3071	0.3201	0.0597	0.954510
Gsn	chr2:35279662-35307892	13.7458	13.9362	0.0198	0.898409
Sp3	chr2:72936426-72980446	93.5889	94.3066	0.0110	0.913085
Prdm11	chr2:92965150-93046167	1.1486	1.1691	0.0255	0.950005
Ivd	chr2:118861953-118882909	8.1895	8.3272	0.0241	0.891413
Ganc	chr2:120403895-120461700	5.4945	5.5816	0.0227	0.886406
Ap4e1	chr2:127008716-127067909	5.6163	5.6937	0.0197	0.915115
Acox1	chr2:127838875-128123873	0.3862	0.3983	0.0444	0.951977
Samhd1	chr2:157097532-157135265	81.2595	82.5156	0.0221	0.877013
Src	chr2:157418443-157471862	3.6419	3.7207	0.0309	0.941155
Oser1	chr2:163405821-163424697	2.4982	2.4999	0.0009	0.995713
Prex1	chr2:166566341-166713832	25.2513	25.4540	0.0115	0.959992
Snord12	chr2:167065275-167065365	40.6250	41.6864	0.0372	0.941602
Prpf6	chr2:181591867-181655660	31.1312	31.3827	0.0116	0.891918
Alg5	chr3:54735538-54751127	8.7036	8.8348	0.0216	0.856210
Slc25a44	chr3:88410497-88425139	12.7499	12.8083	0.0066	0.946620
Pygo2	chr3:89430213-89435128	16.7886	16.8876	0.0085	0.950965
Arnt	chr3:95434387-95497240	7.6288	7.6789	0.0094	0.928248
Prmt6	chr3:110246111-110250998	12.6696	12.8562	0.0211	0.924236
Rnpc3	chr3:113605066-113630149	13.1429	13.3585	0.0235	0.868766
Camk2d	chr3:126596301-126844913	11.6362	11.7984	0.0200	0.861088
Fam73a	chr3:152273458-152340407	2.8822	2.8821	-0.0001	0.999876
Toposros	chr4:40269568-40270940	13.2210	13.4551	0.0253	0.936487
Il11ra1	chr4:41699988-41769474	1.1349	1.1370	0.0027	0.995831
Galt	chr4:41755227-41758695	12.6413	12.8140	0.0196	0.871769
Psip1	chr4:83455679-83486459	57.0510	57.4389	0.0098	0.952510
Efcab7	chr4:99829197-99912788	1.6794	1.7233	0.0372	0.949433
Mknk1	chr4:115839197-115879250	8.6243	8.6760	0.0086	0.970062

Slc6a9	chr4:117834505-117875198	0.1176	0.1126	-0.0639	0.953565
Mfsd2a	chr4:122946849-122961188	4.5424	4.5582	0.0050	0.982433
Cdca8	chr4:124918464-124939311	5.4199	5.5217	0.0269	0.945041
Snhg12	chr4:132308677-132311024	27.2980	27.4363	0.0073	0.983029
Rps6ka1	chr4:133847289-133887797	77.8175	78.5035	0.0127	0.887886
Tceb3	chr4:136003367-136021763	33.0898	33.3487	0.0112	0.902692
Pramef8	chr4:143412425-143421091	14.2193	14.2969	0.0079	0.956081
Ubiad1	chr4:148434494-148444771	7.5974	7.6431	0.0086	0.963586
Gm13204	chr4:148569055-148569876	8.3545	8.5968	0.0412	0.939662
Kif1b	chr4:149176318-149307693	7.3838	7.4841	0.0195	0.908022
Nadk	chr4:155562377-155591001	39.2129	39.4957	0.0104	0.944406
Cdk19os	chr10:40348507-40350103	1.0777	1.1265	0.0638	0.943513
Gm6419	chr10:74862987-74863419	2.7988	2.7380	-0.0317	0.972424
Gm11960	chr11:4561779-4564637	0.5288	0.5500	0.0569	0.941215
Leap2	chr11:53422180-53423170	2.3505	2.3355	-0.0093	0.991906
Map2k3os	chr11:60920916-60931867	0.9511	0.9474	-0.0056	0.989276
Gm12275	chr11:62304863-62305170	2.0171	1.9567	-0.0439	0.975785
Gm22988	chr11:69669634-69669778	20.7518	20.5232	-0.0160	0.984911
Alox12	chr11:70241456-70255353	0.5306	0.5458	0.0408	0.966629
Adam6b	chr12:113489544-113492018	0.5424	0.5400	-0.0063	0.994602
Mef2c	chr13:83504033-83667079	0.2543	0.2529	-0.0080	0.993809
Gm15846	chr5:122438595-122438915	2.4783	2.5980	0.0681	0.931025
Gm22486	chr6:71882556-71882693	29.4049	31.1407	0.0827	0.942455
Prtr3	chr6:113494094-113501818	0.7609	0.7854	0.0456	0.955625
Gm15549	chr8:68798866-68799488	1.4349	1.5067	0.0704	0.951235
Large	chr8:72814598-73353540	0.0868	0.0916	0.0787	0.951640
Rps11-ps1	chr9:59471758-59472233	4.1049	4.0550	-0.0177	0.983038
Gm14450	chrX:5984771-5985011	3.7584	3.9331	0.0655	0.946221
lph-ps2	chrX:13217922-13218650	1.3493	1.4329	0.0867	0.951142
Efnb1	chrX:99136129-99148991	0.5662	0.5861	0.0499	0.951005
Gm20717	chr15:64098316-64100886	1.6454	1.6280	-0.0153	0.987958
Trav9-2	chr14:53591079-53591514	7.5474	7.7846	0.0446	0.953951
Gm10226	chr17:21691859-21692114	8.4732	8.6926	0.0369	0.943585
Kcnj15	chr16:95257557-95300260	0.1942	0.2024	0.0592	0.953738
Lbhd1	chr19:8883929-8887258	1.4272	1.3862	-0.0421	0.976584
Gm14086	chr2:122427193-122427469	21.1663	20.9431	-0.0153	0.986985
Gm23187	chr2:130277194-130277280	24.6836	25.7412	0.0605	0.950849
Lbp	chr2:158306492-158332852	0.1283	0.1369	0.0935	0.950387
Gm14303	chr2:172509431-172509697	8.0110	8.3851	0.0659	0.948315
Gm26869	chr2:178023807-178028736	0.5188	0.5364	0.0481	0.960306
Ak4	chr4:101419276-101466995	0.3770	0.3739	-0.0119	0.992964
Sfn4	chr11:83175185-83190221	0.7713	0.7695	-0.0034	0.997916
Gm26394	chr11:98999507-98999622	7.2225	7.6645	0.0857	0.943596
Atxn71os1	chr12:33193993-33228854	0.9125	0.8971	-0.0245	0.986129
Siglecg	chr7:43408203-43418358	0.1588	0.1539	-0.0459	0.972535
Ntf5	chr7:45413694-45417178	0.3063	0.2979	-0.0402	0.968835
Tubb3	chr8:123411423-123422015	0.3801	0.4014	0.0787	0.932268
Dapk2	chr9:66158222-66272242	0.4150	0.4352	0.0684	0.957926
Gm15317	chr16:96145475-96147584	1.2473	1.2260	-0.0250	0.984761
Gm22697	chr18:42301889-42301952	11.5476	11.3689	-0.0225	0.985448
Gm13346	chr2:19676710-19686157	0.1813	0.1776	-0.0298	0.975681
Gm13347	chr2:19677250-19678603	0.4868	0.4769	-0.0298	0.975681
Efna4	chr3:89333389-89338028	0.4054	0.3967	-0.0312	0.974849
Gm12607	chr4:89161698-89162191	1.9501	2.0446	0.0683	0.959990
Zswim5	chr4:116877375-116989264	0.1710	0.1759	0.0411	0.962161
Fndc5	chr4:129136998-129144593	0.2722	0.2819	0.0506	0.972796
Slc5a11	chr7:123214779-123273253	0.2980	0.2920	-0.0297	0.979191
Pex11g	chr8:3457104-3467680	3.6198	3.6760	0.0222	0.930544
NA	chr3:88738752-88739692	0.8345	0.8519	0.0299	0.981871
Mttr4	chr11:87592161-87616302	11.7581	11.8365	0.0096	0.966495
Rock2	chr12:16894977-16988274	19.8186	20.0544	0.0171	0.903358
Odc1	chr12:17544872-17551502	39.8793	40.1819	0.0109	0.959507
Clip1	chr5:123577794-123684618	18.1839	18.3552	0.0135	0.916515
U2af114	chr7:30563300-30567960	29.7691	30.1636	0.0190	0.811650
Ist1	chr8:109671321-109693294	55.1422	55.8644	0.0188	0.852336
Pdzd2	chr15:12357053-12592556	0.4632	0.4711	0.0245	0.957820
Tenc1	chr15:102102987-102116401	0.8572	0.8621	0.0082	0.993315
Btg2	chr1:134075169-134079120	98.2864	99.4533	0.0170	0.860491
Iigp1	chr18:60376028-60392627	86.8165	87.6408	0.0136	0.946185
NA	chr2:30237492-30238223	2.6958	2.7544	0.0310	0.967418
Gm12353	chr4:19605450-19651130	7.1567	7.2078	0.0103	0.987005

Mir7-1	chr13:58392778-58392886	13.2467	13.2602	0.0015	0.999162
Gm24366	chr8:122471626-122471712	6.3958	6.6962	0.0662	0.944977
Naalad2	chr9:18321950-18402995	0.2144	0.2135	-0.0056	0.996173
Gm14680	chrX:62775150-62776742	0.5612	0.5790	0.0450	0.962930
Gm11439	chr11:85095140-85095549	1.4417	1.4067	-0.0354	0.978597
St7l	chr3:104864502-104926860	6.1144	6.1598	0.0107	0.970671
Slc36a1	chr11:55204349-55236330	4.0202	4.0751	0.0196	0.927503
Ubxn4	chr1:128244180-128279377	41.5974	41.9569	0.0124	0.880496
Csnk1g3	chr18:53862112-53955684	12.7366	12.9093	0.0194	0.828631
Eif2a	chr3:58525820-58557501	15.8652	15.9917	0.0115	0.959685
Anxa3	chr5:96793384-96845968	0.4921	0.4922	0.0004	0.999691
Echdc1	chr10:29313165-29346661	16.0401	16.1807	0.0126	0.960978
Gm16365	chr10:39558495-39613682	3.0564	3.0627	0.0030	0.995878
Gm26860	chr10:42761595-42763635	3.5096	3.5227	0.0054	0.993623
Dos	chr10:80130450-80140835	3.3250	3.3775	0.0226	0.938269
Btbd2	chr10:80642616-80657071	8.1653	8.2583	0.0164	0.908262
Dram1	chr10:88322803-88379080	0.6157	0.6236	0.0183	0.979583
Gm25117	chr10:111481492-111481636	41.9317	42.0235	0.0032	0.994721
Myl6b	chr10:128494156-128498685	3.6541	3.7002	0.0181	0.967655
Esy1	chr10:128510247-128525859	133.7681	135.5255	0.0188	0.927223
Ormdl2	chr10:128817456-128821631	28.5730	28.8964	0.0162	0.869411
Xpo1	chr11:23256040-23298249	53.4617	54.0069	0.0146	0.921488
Bcl11a	chr11:24078055-24174123	0.0679	0.0690	0.0226	0.988824
Ccdc88a	chr11:29373657-29510808	0.7161	0.7180	0.0039	0.991714
Atad5	chr11:80089399-80135794	9.6142	9.7087	0.0141	0.954220
Acsf2	chr11:94557101-94601871	1.3395	1.3622	0.0242	0.973100
Xylt2	chr11:94663850-94677515	11.7132	11.8802	0.0204	0.892491
Psmb3	chr11:97703398-97713500	16.6695	16.8080	0.0119	0.966744
Rundc1	chr11:101425084-101435673	9.2032	9.2819	0.0123	0.945955
Etv4	chr11:101769741-101785371	0.7959	0.8075	0.0209	0.980101
Cog1	chr11:113649168-113667054	17.7240	17.9398	0.0175	0.923010
Gm26613	chr11:115615461-115626707	6.4082	6.4507	0.0095	0.981157
Arhgdia	chr11:120578103-120581624	87.1700	88.2515	0.0178	0.919490
Prps1l3	chr12:57230411-57239882	39.3990	39.7861	0.0141	0.924586
Gm26723	chr12:100208987-100209814	22.9939	23.2752	0.0175	0.947743
Zfyve21	chr12:111814169-111828388	2.7611	2.8050	0.0228	0.937167
Esy2	chr12:116281221-116373096	85.3177	86.3398	0.0172	0.826413
Tbcd17	chr13:43151743-43171501	3.7577	3.7755	0.0068	0.988878
Acot12	chr13:91741511-91786148	0.3744	0.3800	0.0213	0.989895
Ccdc125	chr13:100669480-100697240	13.9534	14.0914	0.0142	0.963761
Ankrd55	chr13:112288450-112384002	2.4918	2.5209	0.0167	0.938659
Gm5106	chr5:8773576-8798523	0.5251	0.5162	-0.0245	0.987095
Gm26648	chr5:24696901-24704690	12.9010	13.0669	0.0184	0.880145
Depdc5	chr5:32863700-32994231	5.3215	5.3709	0.0133	0.927327
Tada2b	chr5:36473669-36484285	7.0578	7.1266	0.0140	0.932084
Rhoh	chr5:65863568-65896700	46.9810	47.5648	0.0178	0.835965
Nfxl1	chr5:72513300-72559684	2.3594	2.3864	0.0164	0.949523
Atp5k	chr5:108433243-108434448	56.0696	56.5352	0.0119	0.970757
Rnf34	chr5:122850187-122868945	26.9344	27.1306	0.0105	0.947937
Setd1b	chr5:123142192-123167435	1.9881	2.0105	0.0162	0.965568
Bri3bp	chr5:125441567-125460872	5.2804	5.3329	0.0143	0.926664
Cct6a	chr5:129787438-129845820	126.3821	127.9226	0.0175	0.928090
Cox19	chr5:139336188-139345233	4.0382	4.0631	0.0089	0.977659
Aimp2	chr5:143902703-143909847	18.2300	18.3433	0.0089	0.981808
1700028E10Rik	chr5:151368708-151414083	1.9554	1.9782	0.0167	0.975501
Trbv19	chr6:41178588-41179048	69.3887	70.2055	0.0169	0.961057
Slc4a5	chr6:83219827-83304945	0.2388	0.2430	0.0250	0.943818
Ap1f	chr6:87628428-87672168	2.3708	2.3951	0.0147	0.975898
Mlf2	chr6:124931387-124936138	50.1659	50.7500	0.0167	0.941656
Zfp384	chr6:125009144-125037870	6.5611	6.6557	0.0206	0.911693
Mboat7	chr7:3677789-3693523	7.8548	7.9310	0.0139	0.939437
Lair1	chr7:4007072-4063204	2.2640	2.3026	0.0244	0.962031
Ttyh1	chr7:4119407-4136706	0.4309	0.4361	0.0172	0.984332
Bckdha	chr7:25629851-25658761	17.8793	18.0891	0.0168	0.944838
Hnrnpul1	chr7:25721497-25754730	89.1465	90.0375	0.0143	0.890967
Timm50	chr7:28305515-28312072	13.3131	13.4264	0.0122	0.960563
Lsm14a	chr7:34344645-34389540	30.5715	30.9351	0.0171	0.892517
Ftl1	chr7:45457943-45459884	74.1259	74.9682	0.0163	0.941679
Ptpn5	chr7:47077797-47133684	3.0439	3.0645	0.0097	0.982482
Lrrc28	chr7:67513410-67645236	3.0851	3.1112	0.0122	0.973223
Rhog	chr7:102239122-102250123	31.9047	32.1887	0.0128	0.957444

Sept1	chr7:127214446-127218498	173.1771	175.2834	0.0174	0.878680
Gm16201	chr7:139950395-139978977	1.0245	1.0364	0.0166	0.973448
Tpcn2	chr7:145253922-145283927	7.0512	7.1273	0.0155	0.937853
Kxd1	chr8:70508271-70527956	17.7069	17.9670	0.0210	0.932797
Fkbp8	chr8:70527723-70535328	52.8973	53.3883	0.0133	0.945131
Inpp4b	chr8:81342555-82125036	103.9260	104.8820	0.0132	0.923506
Zfp330	chr8:82763620-82774160	24.9949	25.1791	0.0106	0.970772
4930432K21Rik	chr8:84148024-84172590	1.4229	1.4402	0.0174	0.974228
Mir23a	chr8:84208517-84208592	8.2168	8.4260	0.0363	0.982223
Ier2	chr8:84661330-84662852	40.7583	41.1782	0.0148	0.929892
Nfix	chr8:84699875-84800344	1.0799	1.0916	0.0156	0.965174
Cyld	chr8:88697027-88751945	44.8855	45.3412	0.0146	0.869370
Gpr114	chr8:94923693-94943290	1.0460	1.0631	0.0234	0.976150
Nutf2	chr8:105860633-105880402	1.5645	1.6021	0.0343	0.954863
Vps9d1	chr8:123242355-123254348	5.8495	5.9301	0.0197	0.895575
Man2c1	chr9:57130689-57142722	11.3282	11.4411	0.0143	0.933168
Plekho2	chr9:65554385-65580040	24.9875	25.2957	0.0177	0.893918
Zfp280d	chr9:72274898-72363770	20.2196	20.4881	0.0190	0.919322
Gm614	chrX:101261375-101263992	9.4945	9.6225	0.0193	0.933990
Vcp-rs	chrX:104345828-104348234	2.8448	2.8746	0.0151	0.976196
Fgd1	chrX:151046149-151089521	0.9831	0.9980	0.0216	0.964089
G530011O06Rik	chrX:169975042-169978917	1.2893	1.3157	0.0292	0.974298
Eny2	chr15:44428110-44437685	12.2056	12.3255	0.0141	0.967300
Triobp	chr15:78947723-79005867	6.3333	6.4105	0.0175	0.929467
B130046B21Rik	chr15:98807031-98816077	25.3453	25.6099	0.0150	0.928422
Smardc1	chr15:99702286-99713995	10.7487	10.8972	0.0198	0.904406
Camk2g	chr14:20734874-20794088	15.5589	15.7241	0.0152	0.866857
Dcaf11	chr14:55560005-55570065	11.9350	12.0748	0.0168	0.889023
Zbtbd6	chr14:79451834-79454816	0.8943	0.9109	0.0266	0.948111
B930095G15Rik	chr14:121248705-121251497	0.7311	0.7450	0.0272	0.975718
Rsph3a	chr17:7945652-7979824	1.6820	1.7049	0.0195	0.973807
Sft2d1	chr17:8311101-8396852	8.0914	8.1689	0.0138	0.964072
Hcfc1r1	chr17:23673595-23675227	12.1196	12.2117	0.0109	0.982956
Igfals	chr17:24878769-24882008	0.6974	0.7009	0.0073	0.988610
Zfp763	chr17:33016862-33033402	6.0118	6.0811	0.0165	0.951885
H2-Oa	chr17:34092339-34095234	7.4590	7.5163	0.0110	0.947387
Rpp21	chr17:36255644-36258069	20.3929	20.7188	0.0229	0.919273
Runx2	chr17:44495986-44814797	2.4855	2.5176	0.0185	0.971527
Runx2os2	chr17:44710221-44713925	2.3821	2.3762	-0.0036	0.996070
Thap7	chr16:17527981-17531136	17.6410	17.8541	0.0173	0.956791
Cpox	chr16:58670207-58680391	9.1295	9.2114	0.0129	0.961235
Ccs	chr19:4825365-4839322	40.5020	41.0226	0.0184	0.876608
Slc25a45	chr19:5877807-5885766	21.3094	21.5422	0.0157	0.941859
Best1	chr19:9985173-10001633	0.2734	0.2806	0.0372	0.978479
Gm9806	chr19:16780546-16781103	10.4686	10.5076	0.0054	0.984505
Cbwd1	chr19:24919915-24961616	7.4366	7.5301	0.0180	0.961529
Ubt1d1	chr19:41981762-42034641	3.6220	3.6600	0.0151	0.977969
Snhg6	chr1:9941958-9944118	26.1120	26.4687	0.0196	0.935962
Trip12	chr1:84721188-84839304	74.2531	75.0865	0.0161	0.793161
Psmd1	chr1:86064386-86139151	34.0214	34.4154	0.0166	0.900984
Cops7b	chr1:86582903-86606978	6.5672	6.6398	0.0158	0.951647
Rbm44	chr1:91145102-91170795	1.1639	1.1893	0.0312	0.984220
D2hgdh	chr1:93825239-93852348	4.4036	4.4291	0.0083	0.984052
Tmem9	chr1:136008218-136035030	7.5035	7.5989	0.0182	0.918158
Mrps14	chr1:160195214-160202170	7.7917	7.8615	0.0129	0.952775
BC055324	chr1:163945992-163994796	8.5004	8.5704	0.0118	0.958720
Kmo	chr1:175620380-175662116	0.5494	0.5510	0.0044	0.994095
Gm26823	chr18:31859081-31861764	0.6435	0.6450	0.0033	0.995794
Reep2	chr18:34840588-34847463	4.5967	4.6445	0.0149	0.974677
Gm26109	chr18:34942643-34942713	10.4043	10.4359	0.0044	0.997824
Pggt1b	chr18:46239948-46280850	10.3211	10.4146	0.0130	0.959107
Isoc1	chr18:58659481-58679570	24.6299	24.9012	0.0158	0.936975
Apbb1ip	chr2:22774093-22875653	7.6450	7.7288	0.0157	0.963459
Fut7	chr2:25423266-25426374	4.4351	4.5047	0.0225	0.951866
Sardh	chr2:27188392-27248337	0.3598	0.3605	0.0026	0.995972
Mapkap1	chr2:34406770-34624950	19.2335	19.3872	0.0115	0.951643
Fmnl2	chr2:52857859-53134202	0.8728	0.8833	0.0171	0.967358
Clp1	chr2:84722103-84727350	13.1173	13.2914	0.0190	0.937357
Thbs1	chr2:118111875-118127133	0.2630	0.2632	0.0010	0.998621
Pak6	chr2:118663302-118698020	0.3198	0.3209	0.0052	0.993508
Fam210b	chr2:172345564-172355749	4.4754	4.4976	0.0071	0.980280

Tpd52	chr3:8928625-9004723	3.8041	3.8485	0.0168	0.906691
Gm24786	chr3:9829619-9829728	9.5967	9.5269	-0.0105	0.989909
Nudt6	chr3:37404909-37420211	5.1579	5.2268	0.0192	0.958446
Mnd1	chr3:84087933-84155786	1.5112	1.5307	0.0185	0.984516
Rfx5	chr3:94954074-94961561	14.5738	14.7137	0.0138	0.893822
Gm6485	chr3:104752726-104753165	1.9466	2.0078	0.0447	0.965422
Psm5	chr3:108256925-108279974	12.7030	12.8652	0.0183	0.952429
Elovl6	chr3:129532385-129638495	6.7455	6.8191	0.0157	0.951426
Ube2d3	chr3:135438296-135467178	95.9496	96.7665	0.0122	0.955445
H2afz	chr3:137864486-137866922	17.8743	18.0005	0.0101	0.975628
Prpf38a	chr4:108563171-108579336	13.6143	13.7354	0.0128	0.954887
C77080	chr4:129219577-129261404	0.4478	0.4551	0.0233	0.976717
Pef1	chr4:130102557-130128135	12.4112	12.5552	0.0166	0.937090
Gm10300	chr4:132074696-132076992	0.4563	0.4583	0.0063	0.995315
Casz1	chr4:14880428-148954889	0.5121	0.5200	0.0221	0.953039
Eldr	chr11:16935153-16951282	1.4621	1.4937	0.0308	0.978421
Slc36a3	chr11:55124814-55151708	0.4891	0.5055	0.0475	0.959366
Adam22	chr5:8072351-8368160	0.4580	0.4605	0.0076	0.993683
Gm15610	chr5:8971947-8972142	4.7352	4.7189	-0.0050	0.995202
Gpr125	chr5:49959950-50058996	0.1385	0.1450	0.0661	0.962340
Atp1a3	chr7:24978166-25005957	0.2283	0.2282	-0.0010	0.999134
Gm16046	chr17:13675661-13683516	0.5378	0.5408	0.0082	0.995227
Rgl1	chr1:152516758-152766351	0.3846	0.3868	0.0082	0.993347
Cstad	chr2:30595039-30608943	1.3597	1.3706	0.0115	0.980361
Gm23301	chr18:75001454-75001519	28.2515	28.5787	0.0166	0.990069
Gm10254	chr3:54810563-54811250	1.5188	1.5444	0.0241	0.976916
Gm13166	chr4:146251828-146278434	0.6937	0.6964	0.0058	0.995585
Gm11510	chr11:88432985-88433514	3.1415	3.1587	0.0079	0.995438
Gm15824	chr5:64190031-64190989	2.1046	2.0947	-0.0068	0.996547
Trav8d-1	chr14:52778446-52778994	1.5558	1.5436	-0.0114	0.993458
Traj51	chr14:54166238-54166281	28.8712	28.7937	-0.0039	0.997547
Gm7162	chr17:12819818-12820842	1.2901	1.2790	-0.0125	0.992087
1700009P17Rik	chr1:171113917-171126967	0.3521	0.3502	-0.0077	0.995626
0610010K14Rik	chr11:70235205-70237914	15.7767	15.8985	0.0111	0.974584
Dgke	chr11:89035178-89066850	7.6261	7.7204	0.0177	0.927342
Spag9	chr11:93996090-94126085	16.0090	16.1936	0.0165	0.888273
D11Wsu47e	chr11:113684411-113694647	9.4084	9.5196	0.0169	0.947612
Tppp	chr13:74009406-74035753	1.1974	1.2046	0.0087	0.976356
Bcl2l14	chr6:134396317-134438736	0.9666	0.9747	0.0120	0.973313
Glce	chr9:62057247-62070606	7.9596	8.0447	0.0153	0.954941
Uchl4	chr9:64235200-64236362	3.5399	3.5968	0.0230	0.954035
Mto1	chr9:78448207-78475348	8.4764	8.5661	0.0152	0.877663
Alg12	chr15:88805243-88819318	12.0517	12.1781	0.0150	0.894041
Gm20726	chr14:54632328-54632781	3.3885	3.4220	0.0142	0.983931
Mdp1	chr14:55657878-55660508	39.9265	40.3978	0.0169	0.950502
C920025E04Rik	chr17:36109233-36111658	14.1288	14.2655	0.0139	0.957662
Gtpbp2	chr17:46161031-46169370	28.2052	28.5103	0.0155	0.945829
Mamstr	chr7:45639976-45646521	0.4536	0.4588	0.0162	0.989148
Bcat2	chr7:45570152-45589710	7.4074	7.4990	0.0177	0.912292
Ntpcr	chr8:125729962-125748235	3.2768	3.3277	0.0222	0.951411
Slc12a2	chr18:57878677-57946821	4.8827	4.9486	0.0194	0.952376
Fbxw2	chr2:34804513-34826311	19.4052	19.6036	0.0147	0.928421
Fam219aos	chr4:41517436-41518929	1.3496	1.3565	0.0074	0.991630
AV039307	chr2:120850704-120866689	4.8439	4.8986	0.0162	0.911725
Tmf1	chr6:97155265-97179124	45.4363	45.9087	0.0149	0.537380
Emc6	chr11:73175518-73177037	27.2283	27.5219	0.0155	0.968411
Plk2	chr13:110395043-110400844	0.9873	0.9910	0.0053	0.994314
Vps33b	chr7:80269648-80291579	13.1904	13.3343	0.0157	0.924981
Gtpbp8	chr16:44736767-44746363	16.2530	16.4265	0.0153	0.887120
NA	chr19:8772521-8774467	50.4730	50.8774	0.0115	0.975687
Ctif	chr18:75431223-75697696	0.5024	0.5084	0.0173	0.981375
Ccdc166	chr15:75979871-75982455	6.7225	6.7997	0.0165	0.902525
Themis	chr10:28668359-28883818	16.6857	16.8712	0.0160	0.922946
Uqcrcq	chr11:53427921-53430831	15.2201	15.3701	0.0141	0.976166
Zfp512	chr5:31452435-31481749	12.9276	13.0638	0.0151	0.885295
Tlr1	chr5:64924810-64932761	50.6038	51.1750	0.0162	0.922733
Igsf23	chr7:19937304-19950743	8.9716	9.0999	0.0205	0.942640
Alkbh8	chr9:3335477-3387050	7.1781	7.2589	0.0162	0.935804
Mfsd3	chr15:76701541-76704239	2.9622	2.9902	0.0136	0.975598
Daxx	chr17:33909413-33915589	35.8585	36.2341	0.0150	0.939693
Gna14	chr19:16435666-16610818	1.3032	1.3173	0.0155	0.983486

Cers2	chr3:95314791-95323588	42.4737	42.9642	0.0166	0.875472
Pdp1	chr4:11958183-11966452	6.9904	7.0594	0.0142	0.960672
Gm12350	chr4:34485831-34486293	3.5415	3.5751	0.0136	0.972979
Gm15347	chr8:12860357-12877344	6.5582	6.6309	0.0159	0.987842
Map6d1	chr16:20233309-20241358	0.3632	0.3700	0.0268	0.983025
Gm26585	chr10:22452890-22453520	0.8004	0.1356	-2.5613	0.370997
n-R5s76	chr10:31317168-31317281	4.2142	2.9099	-0.5343	0.760474
Zufsp	chr10:33926935-33951212	23.7155	27.6294	0.2204	0.435728
Lama4	chr10:38965514-39110188	0.0535	0.0001	-9.0630	0.285591
Fam184a	chr10:53633144-53750909	0.1798	0.0251	-2.8412	0.286620
Gm16998	chr10:54075921-54081081	0.7356	0.1174	-2.6470	0.003997
H2afy2	chr10:61738664-61784147	0.1546	0.0429	-1.8502	0.447744
Gm16143	chr10:63055602-63057467	1.1976	0.0001	-13.5479	0.285591
Gnaz	chr10:74967176-75016907	0.1707	0.0119	-3.8403	0.317329
Col6a2	chr10:76595761-76623630	0.0961	0.0033	-4.8749	0.265535
Gm24019	chr10:79909194-79909301	5.7594	0.8834	-2.7048	0.364925
Jsrp1	chr10:80808495-80813498	0.2523	0.0232	-3.4437	0.328383
Ap3m1-ps	chr10:82585405-82587534	0.3392	0.1500	-1.1774	0.530707
Gm25657	chr10:84614718-84614813	5.8972	0.0001	-15.8477	0.285591
Gm8394	chr10:85313487-85314439	0.8843	0.1738	-2.3471	0.316633
Csl	chr10:99757704-99759658	0.3326	0.0386	-3.1077	0.094096
Kcnc2	chr10:112271122-112466304	0.1448	0.0624	-1.2134	0.550671
Myrf1	chr10:116776544-116896879	0.1059	0.0600	-0.8195	0.627614
Srgap1	chr10:121780990-122047315	0.0461	0.0152	-1.6010	0.499070
Avpr1a	chr10:122448498-122453453	0.2308	0.0100	-4.5296	0.305223
Vmn2r85	chr10:130417771-130429612	0.2211	0.0153	-3.8508	0.317288
Gm11963	chr11:5498839-5505699	0.7783	0.6780	-0.1990	0.859023
Npc111	chr11:6211012-6230143	0.1844	0.0037	-5.6233	0.119106
4930415F15Rik	chr11:11462093-11515192	0.5230	0.3452	-0.5993	0.686721
Gm12664	chr11:16643008-16643921	0.7364	0.0891	-3.0463	0.347835
Gm12107	chr11:31832659-31838214	1.7308	3.4047	0.9761	0.501388
Ltc4s	chr11:50236468-50238616	0.9425	0.4724	-0.9966	0.590852
Hnrnp1	chr11:50376989-50386528	93.0683	90.8863	-0.0342	0.787354
Gm12660	chr11:50851331-50852582	1.2176	0.1304	-3.2234	0.180212
Gm12208	chr11:52405315-52405478	5.2049	6.0182	0.2095	0.921572
Slc22a21	chr11:53949964-53980332	0.1714	0.0244	-2.8146	0.285772
P4ha2	chr11:54100094-54131665	0.0585	0.0484	-0.2717	0.858798
Il3	chr11:54265302-54267277	2.5672	0.0878	-4.8700	0.159557
Gjc2	chr11:59175567-59183213	0.3843	0.0295	-3.7053	0.176723
Gm12263	chr11:59474283-59475765	0.3004	0.1623	-0.8881	0.518444
Gm25819	chr11:68996001-68996085	4.0017	1.4399	-1.4747	0.499636
Mir1934	chr11:69663042-69663125	8.4373	0.5511	-3.9364	0.315545
Polr2a	chr11:69733996-69758637	15.1150	13.3210	-0.1823	0.686607
Gm12314	chr11:70429016-70429554	0.9522	0.1210	-2.9763	0.268762
Aipl1	chr11:72027962-72037509	0.2840	0.1099	-1.3701	0.519204
Gm22733	chr11:74936060-74936151	5.2330	0.1788	-4.8713	0.301007
1700016K19Rik	chr11:75999911-76003569	0.3651	0.0001	-11.8340	0.285591
Gm22772	chr11:77052946-77053067	6.5712	1.0296	-2.6741	0.172269
NA	chr11:77149627-77150525	1.3652	0.5405	-1.3367	0.506306
Cryba1	chr11:77718614-77725283	2.3489	0.4920	-2.2552	0.311370
Proca1	chr11:78193391-78205763	0.9098	0.3413	-1.4144	0.422575
Gm23564	chr11:84893086-84893153	7.5255	0.7863	-3.2586	0.338114
Cacna1g	chr11:94408390-94474198	0.0341	0.0156	-1.1292	0.436343
Cdc34-ps	chr11:94741781-94743014	0.6904	0.0651	-3.4069	0.149732
Gm11513	chr11:95032758-95038283	0.6342	0.3290	-0.9469	0.636634
Gm26830	chr11:95669951-95672719	0.9363	0.2764	-1.7600	0.038570
Gm25593	chr11:101353341-101353437	6.5174	2.3275	-1.4855	0.323838
Gm23849	chr11:101627365-101627556	4.3396	1.6622	-1.3844	0.226573
Gm11628	chr11:102492438-102492609	3.2763	1.2394	-1.4025	0.502907
Hexim1	chr11:103116324-103119725	15.9888	14.9803	-0.0940	0.764594
Cyb561	chr11:105933701-105933336	0.1155	0.1452	0.3302	0.767611
Gm25556	chr11:106186443-106186587	10.5044	1.9338	-2.4415	0.375974
NA	chr11:106725257-106725450	5.1703	0.8697	-2.5717	0.224613
Foxj1	chr11:116330703-116335399	0.3845	0.0748	-2.3627	0.382976
Npb	chr11:120608476-120609093	1.2804	0.6309	-1.0212	0.049989
NA	chr11:121942409-121956727	0.4302	0.0374	-3.5258	0.326031
Gm17541	chr12:4689401-4689926	1.5079	0.7063	-1.0942	0.497626
Mir1938	chr12:40222711-40222811	6.4350	3.6656	-0.8119	0.627221
Gm25497	chr12:41348440-41348572	2.7588	0.0001	-14.7517	0.285591
Gm1818	chr12:48554181-48559971	0.4150	0.0272	-3.9308	0.080923
Gm7456	chr12:49140255-49141266	0.3049	0.0819	-1.8956	0.450909

Gm25970	chr12:65056572-65056658	5.2115	5.7859	0.1508	0.927851
Mnat1	chr12:73123716-73273988	8.7189	10.3169	0.2428	0.488793
Mthfd1	chr12:76255231-76319820	35.3224	28.0813	-0.3310	0.230003
Gpx2	chr12:76792334-76795554	0.8927	0.0001	-13.1239	0.285591
Gm10433	chr12:100187967-100193540	0.2363	0.0591	-1.9997	0.436381
Itgb8	chr12:119158021-119238802	11.3698	11.6871	0.0397	0.900415
Epdr1	chr13:19591708-19619830	0.3232	0.0802	-2.0112	0.391550
A530099J19Rik	chr13:19727416-19732951	0.2324	0.0001	-11.1826	0.285591
Gpr141	chr13:19749681-19824257	0.1225	0.0827	-0.5668	0.772319
Gm11366	chr13:30181715-30182144	2.4598	0.2915	-3.0770	0.144730
Riok1	chr13:38036988-38061433	27.3820	33.8518	0.3060	0.231728
5033403F01Rik	chr13:38960618-38966299	0.5467	0.1601	-1.7716	0.215330
Gm7664	chr13:62528209-62528959	0.6724	0.0353	-4.2501	0.309949
Gm6910	chr13:66007671-66009240	0.4821	0.0726	-2.7305	0.366258
Gm9625	chr13:67810245-67811200	17.3539	15.4023	-0.1721	0.683729
Gm24507	chr13:90098980-90099114	4.6195	2.2772	-1.0205	0.432603
Map1b	chr13:99421463-99516602	0.1573	0.0317	-2.3127	0.373719
Actbl2	chr13:111255012-111257749	0.4504	0.0914	-2.3004	0.387588
Ddx4	chr13:112598332-112652310	0.1832	0.0447	-2.0354	0.194142
Ccl28	chr13:119623818-119654354	0.2890	0.0246	-3.5551	0.299189
Cdk14	chr5:4803390-5420312	0.0585	0.0151	-1.9530	0.420484
Rpl31-ps5	chr5:20806089-20806464	1.1953	0.3694	-1.6939	0.456674
Gm22333	chr5:24438485-24438586	18.9403	1.0667	-4.1502	0.090468
Cct8l1	chr5:25516066-25518021	0.2580	0.0640	-2.0102	0.422534
Fam193a	chr5:34369932-34486456	14.0945	11.0008	-0.3575	0.171002
NA	chr5:34395549-34395653	6.9218	0.0001	-16.0789	0.070128
Sod3	chr5:52363945-52371405	0.1727	0.0001	-10.7542	0.285591
Lgi2	chr5:52537863-52566303	0.1868	0.0272	-2.7799	0.362829
N4bp2os	chr5:65760990-65763866	0.5606	0.5812	0.0521	0.962346
Gm24346	chr5:65777013-65777207	3.7107	0.2358	-3.9758	0.085779
Chrna9	chr5:65934920-65977326	0.1579	0.0383	-2.0439	0.411620
Atp10d	chr5:72203328-72298775	19.4963	17.8919	-0.1239	0.451820
Usp4Gos1	chr5:74014215-74029680	1.7554	0.5579	-1.6536	0.200335
Lphn3	chr5:81020137-81825133	0.0444	0.0331	-0.4217	0.807372
Gm8145	chr5:107241622-107242367	0.9151	0.1809	-2.3384	0.236428
Cabp1	chr5:115168688-115194381	0.3412	0.0924	-1.8849	0.236979
Gm24407	chr5:115490253-115490394	230.8820	409.6437	0.8272	0.434060
Gm15728	chr5:117389138-117393498	0.2825	0.0556	-2.3440	0.127223
Gm15749	chr5:120648039-120648749	1.4281	0.0532	-4.7455	0.074718
Gusb	chr5:129989010-130003049	15.4007	12.3494	-0.3186	0.301780
Gm15921	chr5:130208079-130208562	0.8700	1.3513	0.6352	0.592701
Sh2b2	chr5:136218148-136244903	0.2545	0.1198	-1.0862	0.432937
Vgf	chr5:137030294-137033351	0.2634	0.0128	-4.3589	0.307930
Ache	chr5:137287518-137294466	0.1981	0.0399	-2.3121	0.168930
Mir93	chr5:138165522-138165610	8.8841	3.9775	-1.1594	0.337068
1700001J03Rik	chr5:146182449-146185304	0.9277	0.2183	-2.0876	0.396307
Ing3	chr6:21949570-21976038	9.3071	9.2027	-0.0163	0.940264
Tmem140	chr6:34863145-34874946	6.8348	7.1580	0.0667	0.817889
Gm23435	chr6:35243594-35243750	1.7957	0.4384	-2.0343	0.422305
2210010C04Rik	chr6:41030267-41035509	0.1701	0.0001	-10.7322	0.285591
Gm16630	chr6:48130917-48395408	0.1498	0.0150	-3.3185	0.096339
Gm24325	chr6:48420768-48420842	10.7262	0.6593	-4.0240	0.190454
Snx10	chr6:51523900-51590679	4.8091	4.2634	-0.1738	0.637553
Hotairm1	chr6:52156901-52162119	0.8746	0.0963	-3.1833	0.338250
Hoxa9	chr6:52223099-52231089	0.1407	0.0001	-10.4580	0.285591
Rpia	chr6:70765719-70792232	11.5234	11.2032	-0.0407	0.872853
Chl1	chr6:103510875-103733035	0.0471	0.0056	-3.0698	0.341888
Mkrn2os	chr6:115583543-115592576	0.1465	0.2137	0.5445	0.561351
Lrtm2	chr6:119315132-119330766	0.0957	0.0461	-1.0534	0.574280
Rimklb	chr6:122447295-122486313	0.1084	0.0380	-1.5106	0.212515
C3ar1	chr6:122847137-122856161	0.3059	0.0382	-2.9999	0.345341
Gm4691	chr6:128202012-128203276	0.4274	0.0113	-5.2415	0.297272
Clec9a	chr6:129408861-129424764	0.2597	0.0201	-3.6912	0.288738
Gm6654	chr6:146647240-146647588	0.8855	1.4569	0.7183	0.579323
Kdm5d	chrY:897787-943811	25.5954	0.0175	-10.5159	0.000191
Eif2s3y	chrY:1010542-1028847	29.9564	0.0179	-10.7110	0.000113
Uty	chrY:1096860-1245759	12.4002	0.0350	-8.4707	0.000206
Ddx3y	chrY:1260714-1286613	53.7571	0.0222	-11.2446	0.000060
Ehd2	chr7:15946976-15967567	0.1086	0.0328	-1.7280	0.209405
Slc8a2	chr7:16130299-16160509	0.1457	0.0001	-10.5086	0.285591
Nkpd1	chr7:19518730-19525050	0.3146	0.0097	-5.0195	0.106863

C030039L03Rik	chr7:27689339-27706484	1.4733	1.0007	-0.5580	0.567850
Gm26891	chr7:27927723-27931003	0.2147	0.1653	-0.3770	0.687800
Fcgbp	chr7:28071235-28120862	0.0348	0.0001	-8.4426	0.285591
9530053A07Rik	chr7:28129465-28164811	0.0663	0.0001	-9.3734	0.285591
Siglece	chr7:43651069-43660161	0.4813	0.1040	-2.2105	0.393217
Klk6	chr7:43824498-43832027	0.5584	0.0001	-12.4471	0.285591
Gm25386	chr7:44239747-44240035	1.4590	0.0001	-13.8327	0.285591
Ccdc155	chr7:45183623-45204892	0.2015	0.1021	-0.9803	0.618648
Ppfia3	chr7:45339125-45367019	0.0848	0.0807	-0.0706	0.964116
NA	chr7:45743323-45743561	4.2631	0.2051	-4.3778	0.042687
Gm6226	chr7:58836792-58837938	0.4296	0.3612	-0.2505	0.840363
Gm25282	chr7:75668872-75668956	9.4657	3.4967	-1.4367	0.344478
Acan	chr7:79053482-79115099	0.1562	0.0073	-4.4226	0.306764
Gm16017	chr7:79412309-79412517	6.1949	0.0001	-15.9188	0.285591
1700010L04Rik	chr7:82851962-82859849	0.8227	0.0219	-5.2323	0.159687
Thrsp	chr7:97412937-97417730	0.3250	0.2007	-0.6956	0.610458
Omp	chr7:98143359-98145502	0.3468	0.0826	-2.0695	0.375221
Gucy2d	chr7:98443420-98477478	0.1638	0.1423	-0.2033	0.875186
Gm23479	chr7:98935893-98936015	6.4289	1.4830	-2.1161	0.410754
Snord15b	chr7:99479562-99479707	122.1934	192.4516	0.6553	0.468838
Snord15a	chr7:99482784-99482932	33.4312	62.2633	0.8972	0.473183
Cox20-ps	chr7:100580266-100580619	1.1904	0.3254	-1.8709	0.435769
Folr2	chr7:101839989-101845331	0.6640	0.2581	-1.3630	0.382119
Gm25636	chr7:110023209-110023342	5.2654	2.5670	-1.0364	0.581187
Dnah3	chr7:119922716-120095177	0.0687	0.0198	-1.7915	0.447699
4933427G17Rik	chr7:120982508-121014787	0.3565	0.2370	-0.5888	0.682392
1700069B07Rik	chr7:121707188-121708011	0.7547	0.4196	-0.8470	0.322425
Gm14389	chr7:122484194-122484420	1.6114	1.9433	0.2702	0.894033
Cd19	chr7:126408449-126414870	0.7366	0.3418	-1.1076	0.550440
BC017158	chr7:128271378-128298170	8.0701	6.7958	-0.2479	0.372354
Gm23783	chr7:128734201-128734303	6.8656	1.8810	-1.8679	0.449363
Fam24a	chr7:131334621-131336716	1.5856	0.6762	-1.2295	0.545605
Gm15718	chr7:132979581-132983552	1.0809	1.8712	0.7917	0.627652
A130023I24Rik	chr7:134227473-134230705	0.2360	0.1056	-1.1605	0.512227
1700029H14Rik	chr8:13550732-13562461	0.3549	0.3480	-0.0284	0.985276
Gm17149	chr8:18656614-18656989	2.2233	0.1735	-3.6793	0.306603
Gm10689	chr8:25454272-25454704	1.2951	1.0058	-0.3647	0.825195
Gm1815	chr8:41657592-41658669	0.5463	0.0492	-3.4737	0.329801
Gm16178	chr8:61117604-61194648	0.5794	0.3616	-0.6802	0.712624
Pik3r2	chr8:70768175-70776713	7.9144	7.0950	-0.1577	0.626945
Slc5a5	chr8:70882888-70892757	0.1532	0.0057	-4.7598	0.302027
Gm3835	chr8:72429549-72429952	1.8768	0.1806	-3.3775	0.329982
Gm23468	chr8:77569494-77569602	7.0029	3.1730	-1.1421	0.579094
Tpd52-ps	chr8:79680265-79680824	1.3411	0.6570	-1.0295	0.485689
Mir709	chr8:84086098-84086186	3.8198	1.9020	-1.0060	0.620361
Ccl22	chr8:94745589-94751699	0.3495	0.0288	-3.6029	0.324218
Mir1966	chr8:105615465-105615573	6.0165	1.0353	-2.5389	0.119690
Acta1	chr8:123891766-123894736	0.4497	0.1905	-1.2392	0.567788
Nup133	chr8:123897122-123949265	9.5589	9.6817	0.0184	0.945666
Phxr4	chr9:13431360-13432736	5.1583	2.2906	-1.1712	0.322745
S1pr5	chr9:21242911-21248443	0.2787	0.0610	-2.1926	0.214277
Gm2976	chr9:22479933-22480446	1.3992	0.5305	-1.3991	0.363837
4833428L15Rik	chr9:45416625-45431232	0.4006	0.0001	-11.9679	0.285591
Rpl10-ps3	chr9:50344239-50344981	0.4909	0.0617	-2.9911	0.346947
Gm23407	chr9:55555621-55555712	5.5408	1.0165	-2.4465	0.388190
Clk3	chr9:57750710-57765860	38.5712	33.3072	-0.2117	0.343602
Rec114	chr9:58652855-58741559	3.6842	2.1255	-0.7935	0.546839
Gm16759	chr9:63399380-63568691	0.3112	0.0001	-11.6034	0.285591
Cilp	chr9:65265179-65280605	0.1187	0.0290	-2.0326	0.431858
A130057D12Rik	chr9:75441121-75441652	0.8969	0.0862	-3.3787	0.331100
Bfsp2	chr9:103424919-103480328	0.4476	0.1721	-1.3786	0.235752
Col6a4	chr9:105989453-106096783	0.1179	0.0089	-3.7244	0.192820
Sema3b	chr9:107597673-107609229	0.1187	0.0898	-0.4034	0.838976
Gm590	chr9:110914738-110916861	1.1016	1.0219	-0.1083	0.930704
Gad1l	chr9:115909454-116076176	0.2872	0.0157	-4.1901	0.118466
Acvr2b	chr9:119402443-119433501	0.6340	0.0001	-12.6303	0.120961
Scn5a	chr9:119483407-119579016	0.0992	0.0341	-1.5412	0.484798
Psmb7-ps2	chrX:8105293-8106113	1.1179	0.0001	-13.4485	0.069575
Gm16265	chrX:12670634-12670742	8.2998	0.6965	-3.5749	0.324661
Gm23628	chrX:20614522-20614695	2.3519	0.0001	-14.5215	0.217496
Gm7212	chrX:48302875-48303223	0.9660	0.0001	-13.2378	0.285591

Gm14719	chrX:49660959-49661190	1.5765	1.8951	0.2655	0.858564
Gm14846	chrX:74278653-74278869	1.6860	0.0613	-4.7822	0.302029
Gm14753	chrX:78021041-78021287	3.6439	0.0001	-15.1532	0.285591
Gm14764	chrX:85744347-85749764	0.8950	0.1690	-2.4053	0.391810
Gm14828	chrX:100337513-100338668	0.2669	0.0459	-2.5408	0.380094
Slc7a3	chrX:101079209-101086020	0.1482	0.0452	-1.7119	0.458062
Nlgn3	chrX:101299167-101325963	0.0859	0.0284	-1.5978	0.118548
Gm6238	chrX:104382041-104382506	1.9682	0.2340	-3.0725	0.139045
Gm7117	chrX:105725127-105725532	1.0391	1.0468	0.0107	0.992181
Fam46d	chrX:107792589-107872909	0.4876	0.0219	-4.4757	0.305722
Tmem35	chrX:134295224-134305969	0.3506	0.0001	-11.7756	0.285591
Tro	chrX:150645303-150657583	0.1136	0.0413	-1.4596	0.237115
Usp51	chrX:153006468-153009416	0.1907	0.0396	-2.2673	0.390351
Gm15189	chrX:159105914-159108491	0.3990	0.0001	-11.9623	0.285591
Gm15236	chrX:165680203-165680582	2.2174	0.0350	-5.9869	0.292481
BC022960	chrX:169368188-169370003	0.3184	0.1262	-1.3345	0.271969
Pabpc1	chr15:36595660-36608973	57.2906	48.3288	-0.2454	0.105465
Mir30b	chr15:68337414-68337510	6.1276	3.1096	-0.9786	0.652639
Gm7935	chr15:74080233-74081511	0.7892	0.0104	-6.2402	0.291308
Gm15387	chr15:74093182-74094402	0.3445	0.0773	-2.1554	0.403787
4933427E11Rik	chr15:74709160-74710374	0.2539	0.1508	-0.7518	0.689962
Gm17189	chr15:74784064-74800640	0.4980	0.1822	-1.4508	0.502257
Gm17271	chr15:76797627-76798029	1.7135	0.2330	-2.8782	0.114511
Josd1	chr15:79674249-79687872	14.8642	10.8754	-0.4508	0.198926
Gm8444	chr15:81843342-81843699	1.9617	0.1689	-3.5382	0.324905
Cyp2d26	chr15:82790106-82794245	0.4226	0.0321	-3.7176	0.220047
Scube1	chr15:83602582-83725021	0.0504	0.0111	-2.1894	0.401867
Gm15569	chr15:86185727-86187152	2.0279	0.2003	-3.3397	0.334810
Abcd2	chr15:91145883-91191807	0.1420	0.0617	-1.2026	0.552742
Gm16537	chr15:99715542-99724474	2.0750	0.3986	-2.3803	0.379818
Gm5475	chr15:100422146-100428150	0.2609	0.0762	-1.7757	0.338203
Gm26372	chr14:21263623-21263859	2.9674	0.0561	-5.7254	0.293902
Gm15667	chr14:30804378-30805160	1.3254	0.4544	-1.5446	0.482211
Ogdhl	chr14:32322018-32347820	0.1687	0.0296	-2.5126	0.349580
Trav7n-4	chr14:53091345-53091875	1.4652	0.8678	-0.7557	0.527504
Trav9n-4	chr14:53294595-53295030	2.3069	0.3110	-2.8910	0.356307
Trav6-5	chr14:53491114-53491620	2.6285	0.2099	-3.6465	0.323252
B230359F08Rik	chr14:53795359-53797832	0.4881	0.3720	-0.3918	0.748457
Trdv2-2	chr14:53960992-53961599	2.2743	0.8703	-1.3859	0.121558
Traj19	chr14:54200385-54200446	118.3892	75.8268	-0.6428	0.439646
Gm5801	chr14:56010535-56011351	0.6883	0.6256	-0.1380	0.898234
Parp4	chr14:56575618-56659794	13.2294	12.4522	-0.0873	0.810198
Gjb6	chr14:57123302-57133611	0.2953	0.0332	-3.1508	0.102126
lft88os	chr14:57506743-57510835	0.2483	0.1335	-0.8955	0.388296
Gm26225	chr14:64753917-64754052	6.3812	1.5765	-2.0171	0.230089
Mir19b-1	chr14:115044304-115044391	10.2326	0.9346	-3.4527	0.170973
Gm15946	chr17:12962767-12963193	1.5782	0.1793	-3.1374	0.340025
Lix1	chr17:17402671-17459387	0.2530	0.0274	-3.2083	0.337292
Prss32	chr17:23843854-23859776	0.4127	0.0613	-2.7508	0.359620
Ntn3	chr17:24203847-24209387	0.1546	0.0406	-1.9307	0.431782
1700022N22Rik	chr17:25985814-25988469	1.9399	0.6563	-1.5636	0.381900
Trp53cor1	chr17:29057473-29078961	0.2127	0.0831	-1.3566	0.234831
Tmem217	chr17:29526032-29549593	1.0051	0.2542	-1.9834	0.196693
Umodl1	chr17:30954678-31010708	0.1431	0.0001	-10.4832	0.266518
Gm17276	chr17:32113428-32141839	0.3324	0.0048	-6.0988	0.291840
Notch3	chr17:32120819-32166880	0.1363	0.0103	-3.7207	0.216646
Cyp4f37	chr17:32621318-32636184	0.1485	0.0001	-10.5366	0.285591
Gm4134	chr17:33861301-33864228	1.6917	0.0001	-14.0462	0.285591
Gm4152	chr17:33980485-33980744	2.0860	1.1923	-0.8070	0.607606
Gm17782	chr17:36156530-36162079	1.0203	0.3136	-1.7019	0.417934
Pla2g7	chr17:43568097-43612201	0.0965	0.0214	-2.1705	0.406245
Stap2	chr17:55997080-56005570	0.3812	0.0308	-3.6309	0.247717
1700061G19Rik	chr17:56875476-56888904	0.1723	0.1041	-0.7264	0.475765
Slc25a23	chr17:57043710-57059863	1.0233	0.5540	-0.8853	0.318669
AU021092	chr16:5211827-5222299	0.7440	0.0963	-2.9498	0.134780
Gm10247	chr16:8922056-8922389	1.0095	0.1300	-2.9569	0.346238
Gm21859	chr16:10912011-10914797	0.7774	0.0001	-12.9245	0.285591
Gm6305	chr16:11190253-11191265	0.3402	0.2847	-0.2568	0.850772
Cebpd	chr16:15887285-15888466	0.5054	0.3828	-0.4008	0.750040
Lrrc74b	chr16:17544464-17561247	0.0854	0.0583	-0.5507	0.742233
Gm7873	chr16:18218169-18219313	1.1251	0.2817	-1.9975	0.422723

Tbx1	chr16:18581712-18586969	0.2365	0.0184	-3.6843	0.322971
Cyp2ab1	chr16:20308386-20323065	0.1005	0.0087	-3.5282	0.327535
Gm6493	chr16:23014207-23017038	0.3765	0.2348	-0.6810	0.691688
Gm26834	chr16:29811057-29837814	0.3539	0.1285	-1.4618	0.514915
Gm15703	chr16:31924988-31925868	0.8193	0.0786	-3.3810	0.285631
Gm15696	chr16:31970361-31970806	0.9804	0.9097	-0.1080	0.928555
BC002163	chr16:42955559-42956062	1.6018	0.5749	-1.4782	0.472742
Tmprss7	chr16:45656314-45693658	0.2667	0.0063	-5.4061	0.295890
Rps19-ps12	chr16:79914459-79914889	1.7208	0.7503	-1.1975	0.403787
Gm22933	chr16:90953794-90953868	7.0989	5.0085	-0.5032	0.593446
Gm15964	chr16:91611467-91623861	17.1876	14.2737	-0.2680	0.400717
Tcirg1	chr19:3896049-3907133	15.8364	16.3547	0.0465	0.844676
Eif1ad	chr19:5366812-5371511	24.4124	25.5199	0.0640	0.796592
Ovol1	chr19:5549136-5560575	0.2888	0.0225	-3.6803	0.236604
Gm25822	chr19:8888537-8888685	16.0263	28.0366	0.8069	0.437016
Mta2	chr19:8941874-8952303	94.0835	88.3589	-0.0906	0.403685
Ppp1r32	chr19:10474256-10482897	0.5043	0.1730	-1.5438	0.242871
Gm6365	chr19:11877614-11878358	0.9530	0.2259	-2.0769	0.229295
Rpl9-ps6	chr19:32465884-32466575	0.5387	0.0682	-2.9824	0.227397
Gm23300	chr19:38071928-38072053	6.4987	0.1058	-5.9407	0.292725
Erlin1	chr19:44034943-44069785	2.4466	1.8375	-0.4130	0.515493
Gm25482	chr19:44945021-44945128	2.8798	2.0298	-0.5046	0.775972
Rgs20	chr1:4909575-5070285	0.2172	0.0449	-2.2734	0.250539
Gm23126	chr1:42866684-42866818	2.9095	1.3250	-1.1348	0.479325
Mstn	chr1:53061662-53068079	0.1254	0.0812	-0.6267	0.703897
NA	chr1:55443732-55445064	0.6647	0.0492	-3.7567	0.321061
Snord70	chr1:59691933-59692020	7.6983	4.4500	-0.7907	0.545102
Gm11576	chr1:60537019-60537436	0.8734	0.6346	-0.4607	0.790124
Pard3bos1	chr1:61767414-61851540	0.5931	0.0001	-12.5340	0.285591
Gm13748	chr1:64078653-64090782	1.9128	0.6669	-1.5202	0.397172
Gm25939	chr1:72255007-72255198	19.0786	49.5729	1.3776	0.371522
Ptprn	chr1:75247040-75264208	0.1012	0.0398	-1.3477	0.503003
Gm2619	chr1:85308658-85327306	1.3975	0.3339	-2.0654	0.180636
Twist2	chr1:91801460-91848028	0.2319	0.0397	-2.5452	0.379715
Zcchc2	chr1:105990405-106034074	16.5845	13.6385	-0.2822	0.389015
Mir128-1	chr1:128202354-128202436	7.3697	0.1984	-5.2151	0.161018
Pfkfb2	chr1:130689042-130729253	4.6230	3.8811	-0.2524	0.443432
AA986860	chr1:130731975-130744621	0.1928	0.1777	-0.1173	0.945312
Ptprv	chr1:135108496-135132594	6.5459	7.0462	0.1063	0.786398
Mroh3	chr1:136181473-136207097	0.1217	0.0753	-0.6925	0.705285
2810025M15Rik	chr1:157412351-157420235	0.4671	0.0001	-12.1896	0.160910
Gm16548	chr1:164148590-164152217	0.6801	0.0819	-3.0534	0.325044
Fcgr2b	chr1:170960557-170976547	0.2403	0.1062	-1.1774	0.565346
Rpl27-ps1	chr1:171305083-171305494	1.8403	0.6829	-1.4302	0.498464
B930036N10Rik	chr1:171500567-171504111	3.5816	4.3497	0.2803	0.703366
Casq1	chr1:172209893-172219868	0.4412	0.0505	-3.1257	0.096531
Gm10517	chr1:182408618-182409020	1.6262	0.7664	-1.0852	0.426528
Ush2a	chr1:188262022-188965041	0.0373	0.0039	-3.2742	0.336084
Spata45	chr1:191036821-191042941	1.3090	0.0645	-4.3422	0.308355
Mir1b	chr18:10785445-10785567	8.0361	2.0265	-1.9875	0.420799
2310026I22Rik	chr18:32915825-32939222	0.3233	0.0353	-3.1960	0.337860
Snora74a	chr18:35557031-35557227	417.9540	624.6734	0.5798	0.315752
Gm15334	chr18:38993634-38994192	0.9482	1.3544	0.5144	0.683523
Rps19-ps4	chr18:42252397-42252835	1.2417	0.6829	-0.8625	0.487856
Gm6960	chr18:60426291-60426934	0.4823	0.7161	0.5702	0.805959
4930465K10Rik	chr18:77714209-77715449	0.3847	0.2397	-0.6825	0.708621
Gm13219	chr2:9352430-9447676	0.1142	0.0208	-2.4594	0.377409
Gm22072	chr2:10465286-10465407	5.0664	0.0001	-15.6287	0.032185
Gm26156	chr2:10499203-10499326	5.4657	1.1721	-2.2213	0.394250
Gm17490	chr2:11625605-11626264	20.8975	0.2098	-6.6379	0.289948
Gm13321	chr2:12421624-12422023	1.6148	0.1009	-4.0005	0.314043
Gm25518	chr2:25006151-25006258	3.6651	0.0001	-15.1616	0.285591
Ptgsd	chr2:25466708-25470046	0.2889	0.1650	-0.8079	0.663930
C8g	chr2:25498650-25501719	3.4668	1.6617	-1.0610	0.348501
Ak8	chr2:28700163-28813165	0.7175	0.0620	-3.5323	0.312187
Gm24976	chr2:29459193-29459328	5.1874	0.0001	-15.6627	0.285591
Ptges	chr2:30889470-30929863	0.0785	0.0001	-9.6162	0.285591
Mir2861	chr2:32712806-32712888	8.1985	4.5220	-0.8584	0.633179
Lhx2	chr2:38339280-38369733	0.2236	0.0209	-3.4178	0.271513
Gm13586	chr2:38622800-38623264	0.8453	0.9137	0.1123	0.938529
Gm13496	chr2:38996712-38998258	0.3430	0.4218	0.2986	0.804810

Gm13453	chr2:40127503-40127860	2.1038	1.0782	-0.9644	0.529806
Gm13472	chr2:48388036-48388350	2.6763	1.0128	-1.4019	0.518015
Gm13487	chr2:50522123-50522987	0.6809	0.1624	-2.0677	0.418607
Gm25966	chr2:61798179-61798296	6.4380	1.7374	-1.8897	0.337532
Abcb11	chr2:69238281-69342616	0.2723	0.0078	-5.1248	0.298249
Gad1	chr2:70553071-70602014	0.1085	0.0145	-2.9070	0.106067
Gm11084	chr2:72971547-72986716	8.7016	7.4336	-0.2272	0.782518
Gm22606	chr2:79348364-79348467	8.1587	1.0855	-2.9099	0.351062
Smtnl1	chr2:84811175-84822652	0.8865	0.0304	-4.8641	0.186481
4930443O20Rik	chr2:85073613-85086461	1.0124	0.0646	-3.9701	0.198853
Bdnf	chr2:109674699-109727007	0.1351	0.0001	-10.4003	0.264663
Gm21985	chr2:112266313-112406319	44.2209	39.8149	-0.1514	0.305043
n-R5s202	chr2:112469252-112469366	5.8166	2.5945	-1.1647	0.354116
Fmn1	chr2:113327735-113716767	0.0288	0.0197	-0.5469	0.762230
Exd1	chr2:119516504-119547627	0.0500	0.0326	-0.6185	0.712437
Gm22865	chr2:121004088-121004301	9.4382	0.1242	-6.2481	0.078750
Gm14018	chr2:121485431-121491512	1.1552	0.5956	-0.9558	0.620408
Gm14057	chr2:130803500-130803982	1.7412	0.7003	-1.3141	0.273043
Gfra4	chr2:131039631-131043088	0.3753	0.0123	-4.9306	0.300240
Gm14052	chr2:132099868-132100899	0.8929	0.1440	-2.6321	0.231744
Gm14051	chr2:132144532-132220250	0.8174	0.4773	-0.7763	0.676089
lsm1	chr2:139678177-139758581	0.1428	0.0201	-2.8273	0.354205
Gm14117	chr2:146305546-146306389	0.9485	0.3469	-1.4511	0.273626
Nkx2-4	chr2:147083315-147085445	0.2924	0.0190	-3.9474	0.316134
Gm14252	chr2:156332316-156339381	0.1484	0.1788	0.2691	0.812948
Gm14200	chr2:158468168-158468360	2.6680	1.6892	-0.6594	0.644105
Mir3474	chr2:158638582-158638640	7.7274	8.5384	0.1440	0.926841
Sgk2	chr2:162987329-163014127	0.0986	0.0135	-2.8684	0.352768
Jph2	chr2:163336241-163397993	0.1252	0.0063	-4.3101	0.308567
A530013C23Rik	chr2:167691176-167729172	0.1034	0.0824	-0.3275	0.858083
Vmn1r-ps1	chr2:174591229-174591802	1.8165	0.2059	-3.1415	0.134426
Gm12540	chr3:37327071-37327390	1.4929	0.0829	-4.1698	0.311506
Gpr87	chr3:59179005-59180085	0.4929	0.3068	-0.6841	0.713328
Slc33a1	chr3:63933506-63964768	11.5622	12.4488	0.1066	0.799842
Paqr6	chr3:88364583-88368541	0.1500	0.0336	-2.1598	0.416538
Gm25945	chr3:88707157-88707292	6.3252	1.5174	-2.0595	0.148270
n-R5s197	chr3:88906509-88906628	2.3540	0.9396	-1.3250	0.531583
Rab13	chr3:90213694-90226385	0.5939	0.1596	-1.8961	0.432276
S100a2	chr3:90590246-90591508	1.4229	1.4716	0.0485	0.974072
Rriad1	chr3:94464984-94473591	0.5800	0.0843	-2.7830	0.362829
Hormad1	chr3:95559676-95587671	0.3960	0.0154	-4.6858	0.072366
Gm26361	chr3:95796698-95796884	3.0269	0.8743	-1.7916	0.296740
Hist2h3c2	chr3:96238109-96239127	1.8306	0.3819	-2.2611	0.375871
NA	chr3:103324232-103324303	5.1289	8.3994	0.7116	0.724907
I830077J02Rik	chr3:105925890-105932664	0.2321	0.4487	0.9509	0.321070
Aknad1	chr3:108739657-108782296	0.0489	0.0001	-8.9343	0.285591
Mir302a	chr3:127545495-127545564	5.5871	1.6497	-1.1599	0.441728
Mir302d	chr3:127545623-127545689	4.6687	0.4928	-3.2438	0.338732
Gm11804	chr4:7039046-7039514	1.3198	0.5326	-1.3091	0.443118
Triqk	chr4:12906837-12981471	0.2452	0.0001	-11.2595	0.285591
Klh132	chr4:24612553-24851124	0.0768	0.0643	-0.2559	0.777296
Pm20d2	chr4:33174229-33189737	0.1528	0.0394	-1.9540	0.425104
Gm22849	chr4:34683878-34684185	2.7852	0.6192	-2.1694	0.369867
Gm12396	chr4:40775132-40775725	1.8658	0.5234	-1.8338	0.394376
Gm25931	chr4:40850319-40850402	12.0860	0.8397	-3.8473	0.246019
Gm12403	chr4:41168645-41169604	0.4967	0.4772	-0.0575	0.966658
n-R5s183	chr4:41303157-41303272	26.8771	1.8869	-3.8323	0.178189
Npr2	chr4:43631934-43651244	0.1441	0.0824	-0.8076	0.675331
Gm24560	chr4:46195378-46195486	4.9280	0.4895	-3.3317	0.335140
Gm22300	chr4:56913641-56913767	5.1771	1.9887	-1.3803	0.447381
Svep1	chr4:58042441-58206859	0.0505	0.0022	-4.5218	0.304115
A1481877	chr4:59043752-59138983	0.1439	0.0233	-2.6260	0.128291
Gm12542	chr4:59889985-59894924	0.5526	1.0294	0.8974	0.450044
Rnf183	chr4:62427539-62435252	0.2907	0.3689	0.3437	0.709662
Orm1	chr4:63344559-63348163	1.1928	0.2468	-2.2729	0.390395
C630043F03Rik	chr4:72201347-72215352	0.1303	0.0359	-1.8587	0.456129
NA	chr4:86930690-86934820	0.2668	0.0553	-2.2706	0.389834
Cdkn2a	chr4:89274472-89294653	0.7970	0.1774	-2.1676	0.350676
Gm830	chr4:95464723-95487394	0.1201	0.0001	-10.2298	0.285591
Gm12788	chr4:98352426-98352734	1.1824	0.3103	-1.9300	0.436116
Dock7	chr4:98936664-99120915	0.0995	0.0237	-2.0726	0.177275

BC055111	chr4:106590908-106617241	0.2345	0.0837	-1.4870	0.484163
Gm24967	chr4:108466943-108467050	9.9481	4.8763	-1.0286	0.600638
Lurap1	chr4:116132405-116151338	1.8959	1.3930	-0.4447	0.535928
Pik3r3	chr4:116221617-116303056	2.7965	1.8775	-0.5748	0.314949
Gm25099	chr4:117189941-117190057	20.7467	49.8201	1.2638	0.381728
Gm12844	chr4:117728717-117729299	0.9146	0.0797	-3.5209	0.326401
Mir1957a	chr4:119129778-119129844	13.4005	1.1396	-3.5557	0.228015
Ybx1	chr4:119277980-119294604	101.8391	111.6224	0.1323	0.616660
Gm12924	chr4:123435616-123435934	2.2571	0.4977	-2.1811	0.193427
Mir697	chr4:124731693-124731802	13.1063	0.7258	-4.1745	0.310658
Epha10	chr4:124880898-124917800	0.0779	0.0149	-2.3902	0.388051
Gm12933	chr4:126665253-126666125	0.8681	0.0727	-3.5782	0.219827
Gm12941	chr4:127046382-127046602	11.1388	5.8448	-0.9304	0.497879
NA	chr4:129219456-129219544	7.3212	1.4437	-2.3423	0.393794
Gm24762	chr4:132547103-132547207	7.2723	1.0458	-2.7978	0.358995
Ahdc1	chr4:133011259-133078110	4.0679	2.7325	-0.5741	0.365064
Syf2	chr4:134930897-134937548	48.3132	62.1971	0.3644	0.068430
Gm12987	chr4:136584171-136584660	1.5416	0.4514	-1.7720	0.233887
Gm21969	chr4:139603185-139662691	8.9226	6.6835	-0.4169	0.258454
Gm13146	chr4:147187707-147188487	1.3359	0.0693	-4.2680	0.109832
Gm23209	chr4:150321192-150321302	4.8315	0.0001	-15.5602	0.252433
5830444B04Rik	chr4:155398762-155421704	1.8303	0.3410	-2.4242	0.349539
Gm16074	chr10:3992370-3992814	1.8276	0.5422	-1.7529	0.446733
Ccdc170	chr10:4482501-4562231	0.0564	0.0529	-0.0927	0.955704
NA	chr10:7792522-7792822	0.7830	2.0995	1.4229	0.432557
Enpp3	chr10:24773813-24836195	0.0987	0.0189	-2.3867	0.393003
Gm23757	chr10:26357946-26358046	2.1354	0.0001	-14.3822	0.285591
Tpd52l1	chr10:31332379-31445921	0.2529	0.0386	-2.7118	0.367421
Fam229b	chr10:39118803-39133914	0.0770	0.1215	0.6579	0.613352
BC021785	chr10:39958060-39986646	0.0391	0.1319	1.7557	0.509795
Rps19-ps10	chr10:52384658-52385093	0.8634	0.3001	-1.5245	0.367384
Pkib	chr10:57631980-57741112	0.0236	0.0543	1.2018	0.430082
Gm17148	chr10:59708789-59709038	0.9434	0.9690	0.0386	0.982463
Gm17059	chr10:59799198-59800254	0.4938	0.9587	0.9572	0.613202
Gm7399	chr10:59806556-59807414	0.5476	0.0309	-4.1475	0.311892
Gm22803	chr10:62919558-62919841	0.7546	0.3678	-1.0368	0.615074
Gm9923	chr10:72309224-72311848	0.1303	0.2482	0.9297	0.399795
Gm15398	chr10:73201398-73327027	1.2280	0.3173	-1.9522	0.212354
Rab36	chr10:75037057-75054748	0.0865	0.0696	-0.3153	0.852823
Gm16106	chr10:81504472-81504766	0.9443	1.5697	0.7332	0.486049
Slc41a2	chr10:83230847-83337882	0.0520	0.0698	0.4255	0.772559
Syn3	chr10:86055124-86498896	0.0243	0.0530	1.1245	0.398922
Mir1931	chr10:93162784-93162903	5.1548	3.0412	-0.7613	0.453560
Mir331	chr10:93963767-93963863	2.2243	4.3447	0.9659	0.703825
NA	chr10:95792570-95794980	0.1703	0.1682	-0.0178	0.991216
Cyp27b1	chr10:127048249-127053006	0.2490	0.1480	-0.7504	0.677112
Gm4189	chr10:127289695-127290788	1.2131	0.7912	-0.6165	0.542646
Gm16230	chr10:127671603-127676724	1.3037	0.5288	-1.3019	0.317701
Mip	chr10:128225837-128231812	0.1722	0.2809	0.7061	0.536824
Slc39a5	chr10:128395933-128401224	0.1696	0.2667	0.6526	0.538711
Gm26393	chr11:3656662-3656791	4.3038	2.4105	-0.8362	0.648015
Gm11956	chr11:4230753-4231265	0.8874	1.1480	0.3714	0.805736
Gm11401	chr11:6242377-6242721	1.2587	0.8362	-0.5900	0.728331
Upp1	chr11:9118102-9136170	0.2179	0.1406	-0.6324	0.722876
Cobl	chr11:12236607-12464960	0.0552	0.0309	-0.8378	0.655267
Rpsa-ps3	chr11:22386291-22388196	0.3414	0.0894	-1.9324	0.435761
4930524B15Rik	chr11:31965591-31979651	0.2350	0.1969	-0.2554	0.896173
Gm12148	chr11:43385481-43387183	0.8776	0.0001	-13.0994	0.285591
Gm22121	chr11:44469012-44469066	4.7452	7.7543	0.7085	0.679429
Sox30	chr11:45980309-46017994	0.1355	0.0881	-0.6205	0.712751
Gm12166	chr11:46051353-46052321	0.5032	0.1492	-1.7539	0.191682
Olfr1396	chr11:49112776-49114874	0.1992	0.0725	-1.4588	0.500373
Rasgef1c	chr11:49901834-49980994	0.1276	0.0286	-2.1563	0.364102
Zfp879	chr11:50832030-50841552	0.7938	0.0123	-6.0109	0.169995
Rpl9-ps3	chr11:53501183-53501762	0.5164	0.3719	-0.4735	0.797399
Csf2	chr11:54247270-54249667	1.2546	0.7323	-0.7767	0.663796
Gm12246	chr11:58126067-58128512	1.0614	0.7497	-0.5015	0.773489
Gm12251	chr11:58392768-58393563	0.3845	0.4962	0.3679	0.788434
Fam183b	chr11:58792796-58801960	0.6026	0.2713	-1.1517	0.550961
Olfr311	chr11:58841115-58842042	0.2535	0.0001	-11.3076	0.285591
Gm12279	chr11:62550046-62551041	0.8716	1.8873	1.1145	0.437221

Mir744	chr11:65734732-65734832	6.1042	0.1322	-5.5287	0.074333
Kcnab3os	chr11:69329824-69332122	0.4151	0.4167	0.0056	0.997296
Slc35g3	chr11:69759889-69761968	0.1849	0.0636	-1.5387	0.475751
Cldn7	chr11:69964778-69967885	0.1316	0.2267	0.7844	0.486601
Gm10418	chr11:70540022-70540600	0.7658	0.2559	-1.5811	0.251088
Inca1	chr11:70688360-70700155	0.1552	0.3380	1.1231	0.457072
Gm22771	chr11:74906108-74906199	3.2851	7.5629	1.2030	0.600207
Rilp	chr11:75510093-75513168	0.6267	0.0970	-2.6909	0.191826
Gm11193	chr11:78292847-78293956	1.3695	0.5155	-1.4096	0.512678
D11Bhm181e	chr11:78561318-78561600	1.2116	0.2920	-2.0527	0.420003
Gm11198	chr11:79371256-79372230	0.6442	0.1457	-2.1441	0.254214
Rab11fip4os1	chr11:79607078-79623163	0.5389	0.0284	-4.2436	0.199443
Gm23765	chr11:85493758-85493905	1.4527	0.4495	-1.6922	0.483615
Gm25427	chr11:86333205-86333308	3.7317	4.2919	0.2018	0.883369
Tex14	chr11:87405064-87555823	0.0597	0.1486	1.3156	0.424477
Rnu1a1	chr11:87422866-87423030	3.4617	2.7639	-0.3248	0.825885
Gm11520	chr11:95310428-95324496	0.4746	0.1679	-1.4992	0.520324
Gm11522	chr11:95462545-95462721	1.8199	0.3523	-2.3688	0.388272
1700001P01Rik	chr11:97771480-97775918	0.3423	0.6625	0.9528	0.604781
Stac2	chr11:98036622-98053462	0.0681	0.0127	-2.4201	0.389704
Gm22059	chr11:98710985-98711089	2.0533	3.7459	0.8674	0.535295
Tns4	chr11:99065677-99089306	0.1365	0.0154	-3.1436	0.342809
Arhgap27os1	chr11:103363212-103364651	0.6383	0.2862	-1.1572	0.279781
Gm11708	chr11:107003908-107004740	0.3081	0.1846	-0.7393	0.697097
Gm16487	chr11:113467976-113472014	0.0800	0.0355	-1.1710	0.326463
Cd300lb	chr11:114922780-114934386	0.0953	0.1894	0.9913	0.548325
Gm11694	chr11:115493023-115493182	3.1726	0.3745	-3.0828	0.266085
Gm11703	chr11:115724325-115724808	1.0660	0.6177	-0.7872	0.383611
Aanat	chr11:116586431-116597680	0.1413	0.1186	-0.2535	0.865750
Snord1b	chr11:116674147-116674222	8.9145	3.6466	-1.2896	0.338566
Gm11738	chr11:118114854-118118279	0.0990	0.1897	0.9372	0.536246
2810410L24Rik	chr11:120185399-120189852	0.0777	0.1645	1.0831	0.643586
Ppp1r27	chr11:120549978-120551132	0.2770	0.6027	1.1214	0.405132
Rab40b	chr11:121356124-121388251	0.1171	0.3457	1.5622	0.173577
Sdc1	chr12:8771322-8793715	0.1346	0.1502	0.1576	0.899049
Gm6736	chr12:13455019-13455970	0.2471	0.1850	-0.4177	0.808270
NA	chr12:21273303-21273532	2.8007	1.2506	-1.1631	0.333989
Gm22663	chr12:51740240-51740342	3.0464	5.9124	0.9566	0.502912
Tom20l	chr12:71111427-71123222	1.3615	0.2286	-2.5745	0.371068
Dact1	chr12:71309883-71320107	0.0682	0.1146	0.7487	0.669482
Fam71d	chr12:78691534-78734513	0.2282	0.2322	0.0249	0.987503
Scarna3b	chr12:80391612-80391751	2.3044	4.2341	0.8777	0.592152
Samd15	chr12:87199722-87213541	0.1540	0.2520	0.7107	0.611006
Gm20036	chr12:101913239-101915335	0.5044	0.7397	0.5526	0.718326
Bdkrb1	chr12:105603084-105605428	0.4763	0.1665	-1.5159	0.489924
Mir342	chr12:108658619-108658718	3.6667	0.8168	-2.1664	0.399171
A230065H16Rik	chr12:111406808-111412077	0.3251	0.0001	-11.6667	0.285591
Tdrd9	chr12:111971558-112068854	0.0578	0.0330	-0.8108	0.705016
Ighg2b	chr12:113306388-113307933	0.2327	0.0786	-1.5657	0.506841
Ighv1-47	chr12:114991107-114991401	0.7990	0.9674	0.2759	0.866569
Tubal3	chr13:3924694-3935276	0.0898	0.0966	0.1496	0.926675
Gm10357	chr13:8289845-8290115	0.9491	1.3928	0.5534	0.747133
Gm26601	chr13:9387138-9391741	0.2197	0.0567	-1.9534	0.230159
Gm25483	chr13:12589564-12589791	1.5051	0.4734	-1.6688	0.464767
Trgj1	chr13:19210342-19210402	7.4736	2.2360	-1.7409	0.453877
Zfp184	chr13:21945093-21960779	0.1460	0.0261	-2.4816	0.377479
Gm11281	chr13:21953052-21953628	0.7838	1.0215	0.3822	0.607013
1700016G14Rik	chr13:24741231-24746592	0.2970	0.2345	-0.3412	0.855377
Gm11365	chr13:29940282-29942261	1.2159	0.1104	-3.4612	0.109436
Gm11367	chr13:30112473-30112596	1.9097	0.0001	-14.2211	0.285591
Fam217a	chr13:34909963-34919992	0.3589	0.0952	-1.9152	0.234093
Dbn1	chr13:55473428-55488111	0.0852	0.0501	-0.7656	0.654777
Gm3604	chr13:62368862-62371936	2.6415	3.1962	0.2750	0.756223
Gm10775	chr13:65259538-65260826	1.0186	0.0601	-4.0835	0.154052
Slc6a19	chr13:73679744-73704865	0.0556	0.0997	0.8438	0.492328
Gm6263	chr13:74018792-74020134	0.3183	0.0925	-1.7831	0.454090
Gm15740	chr13:76696618-76697910	0.1984	0.3608	0.8627	0.648423
Gm8399	chr13:81064683-81065803	0.2594	0.4402	0.7631	0.526410
Hapl1	chr13:89540635-89611832	0.1268	0.0806	-0.6536	0.719425
Gm24498	chr13:89927441-89927543	11.4204	0.7374	-3.9530	0.139363
Ckmt2	chr13:91853386-91876885	0.1725	0.1947	0.1741	0.907602

Gm8756	chr13:97458148-97459077	0.5287	0.2058	-1.3615	0.532712
Gm26619	chr13:97751111-97760965	0.4641	0.5201	0.1645	0.829863
Gm10260	chr13:97760129-97760588	1.0847	1.2158	0.1645	0.829863
Arhgef28	chr13:97898594-98206165	0.0479	0.0591	0.3038	0.852837
1700099I09Rik	chr13:102760254-102761896	0.2896	0.6712	1.2125	0.371469
Apoo-ps	chr13:107413864-107414767	0.3312	0.1057	-1.6473	0.471840
Elovl7	chr13:108214403-108287105	0.0433	0.1434	1.7272	0.158925
Gm15327	chr13:111809140-111811039	0.4828	0.6484	0.4255	0.756259
Cdc20b	chr13:113035110-113091195	0.1403	0.0090	-3.9629	0.315593
Fst	chr13:114452261-114458730	0.1006	0.1474	0.5511	0.790286
Mir3096	chr5:23710990-23711061	8.3797	2.3307	-1.8461	0.261282
4930548H24Rik	chr5:31485858-31488476	0.4035	0.1042	-1.9538	0.426187
Mir3097	chr5:35021048-35021115	4.1432	0.9709	-2.0934	0.424728
Gm24878	chr5:36666408-36666512	7.7032	2.2347	-1.7854	0.233323
Gm25551	chr5:37092257-37092360	3.1097	3.6622	0.2359	0.884562
Gm15796	chr5:38507462-38507666	2.0504	1.9450	-0.0761	0.948430
Gm6044	chr5:64320255-64320754	0.4708	0.7352	0.6431	0.680987
Gm15981	chr5:74316565-74317029	0.5523	0.3944	-0.4860	0.788615
Mir5098	chr5:77272756-77272838	3.3853	4.0136	0.2456	0.899762
Gm2199	chr5:80900749-80901623	0.2933	0.4584	0.6445	0.695660
Cxcl2	chr5:90903898-90905909	0.2432	0.0464	-2.3905	0.392987
Btc	chr5:91357260-91402994	0.1931	0.0231	-3.0654	0.346672
Gm5560	chr5:97264827-97265719	0.2700	0.8550	1.6628	0.228864
Gm24897	chr5:103898878-103898985	2.1952	0.0001	-14.4221	0.285591
Spp1	chr5:104435117-104441050	0.6627	5.3828	3.0219	0.242870
Gm8258	chr5:104775910-104776824	0.9811	0.1249	-2.9736	0.112666
Gm24097	chr5:104936650-104936757	5.1956	0.3706	-3.8095	0.083474
Gm17304	chr5:106609097-106609201	4.0231	6.4875	0.6894	0.665420
Gm17202	chr5:107404822-107431910	0.2920	0.2683	-0.1218	0.942799
Gm26387	chr5:107907344-107907476	2.7501	4.4685	0.7003	0.605190
Fgfr1	chr5:108694228-108706950	0.1662	0.1689	0.0232	0.985743
Gm15484	chr5:110118021-110118849	0.4208	0.4262	0.0184	0.988313
Gm15791	chr5:110328203-110328522	0.6695	0.2072	-1.6920	0.483615
Mn1	chr5:111417361-111457033	0.0339	0.0357	0.0727	0.971103
Asphd2	chr5:112385447-112392213	0.1484	0.2068	0.4787	0.711954
Gm13830	chr5:115301119-115319208	0.1253	0.1496	0.2564	0.890978
9530046B11Rik	chr5:117115217-117118723	0.5722	0.2834	-1.0135	0.594133
Gm15727	chr5:117348906-117349344	0.7801	1.5483	0.9890	0.450893
Gm24682	chr5:123518230-123518367	1.5587	1.5514	-0.0068	0.996492
Tmem132b	chr5:125532417-125792583	0.0269	0.0184	-0.5524	0.794349
Gm25315	chr5:135207987-135208108	2.8236	1.3435	-1.0715	0.596550
Gm16061	chr5:135698162-135699019	0.4237	0.7279	0.7808	0.525673
Myl10	chr5:136693145-136701094	0.3897	0.5065	0.3780	0.788335
Gper1	chr5:139423150-139427800	0.1516	0.0995	-0.6076	0.699145
9530056K15Rik	chr5:143397247-143399563	0.1385	0.1429	0.0455	0.977896
Rps10-ps4	chr5:147100561-147101053	0.6511	0.8533	0.3902	0.750663
Ft1	chr5:147561603-147726011	0.0241	0.0183	-0.3971	0.811899
Gm26013	chr5:150710845-150710964	2.6916	1.4123	-0.9304	0.645478
Gng11	chr6:4003942-4008445	0.3398	0.0555	-2.6133	0.374531
Fam71f2	chr6:29279592-29290680	0.4017	0.2008	-1.0003	0.606538
Tsga13	chr6:30896980-30915573	0.1872	0.2896	0.6294	0.787678
Mir29a	chr6:31062659-31062747	5.1460	5.2017	0.0155	0.987069
Clec2l	chr6:38663068-38680864	0.2842	0.2297	-0.3073	0.854598
Sva	chr6:42038393-42042851	3.0483	0.0001	-14.8957	0.062389
Hoxaas3	chr6:52175216-52215076	0.1905	0.0399	-2.2569	0.134205
Fkbp9	chr6:56832058-56879358	0.1032	0.0468	-1.1395	0.557064
Gm17147	chr6:65128570-65129002	1.9313	0.2895	-2.7380	0.175559
Fabp1	chr6:71199826-71205023	0.4635	0.0001	-12.1782	0.285591
Sftpb	chr6:72304609-72314371	0.1554	0.0316	-2.2978	0.334316
Gm17034	chr6:82764281-82767288	0.1342	0.2826	1.0745	0.438877
Rtkn	chr6:83135462-83152579	0.0597	0.1229	1.0424	0.522084
Wdr54	chr6:83149360-83156397	0.0554	0.0860	0.6345	0.653970
Npm3-ps1	chr6:85076191-85076719	1.0237	0.5366	-0.9320	0.591143
Rps19-ps9	chr6:87948463-87948877	0.9961	0.4132	-1.2697	0.481699
Gm15531	chr6:97890287-97890539	1.1281	0.1095	-3.3643	0.268537
Il17re	chr6:113458483-113470751	0.1286	0.0990	-0.3777	0.830165
Fancd2os	chr6:113596760-113600715	0.1886	0.3690	0.9678	0.495257
Gm8213	chr6:116195417-116195858	0.8232	0.3668	-1.1661	0.550555
Gm25953	chr6:118429169-118429252	3.3445	2.4982	-0.4209	0.819425
Gm24592	chr6:120381033-120381139	2.8203	3.3537	0.2499	0.860534
Slc6a13	chr6:121300226-121337733	0.1398	0.0415	-1.7511	0.455924

Aicda	chr6:122553800-122564180	0.1208	0.2085	0.7873	0.617469
Gm4482	chr6:122792580-122792775	1.4236	0.9122	-0.6421	0.739692
Gm10069	chr6:128438756-128475617	0.1330	0.1177	-0.1766	0.917226
Klrb1a	chr6:128609226-128622934	0.2012	0.0665	-1.5967	0.473752
Klre1	chr6:129577892-129585824	0.2459	0.3331	0.4378	0.787852
Klrc1	chr6:129666014-129678973	0.1508	0.2193	0.5403	0.722144
Klra1	chr6:130363917-130386874	0.1212	0.0428	-1.5033	0.493050
E330021D16Rik	chr6:136400714-136401830	0.6698	0.3380	-0.9868	0.607677
Sox5	chr6:143828424-144781977	0.0298	0.0135	-1.1392	0.567350
Far2os1	chr6:148060854-148067873	0.5387	0.0001	-12.3953	0.285591
Nlrp12	chr7:3221509-3249740	0.0692	0.0133	-2.3770	0.385011
Gm7363	chr7:3983786-3984187	1.3353	3.1501	1.2382	0.548472
Gm15773	chr7:12603195-12604643	0.1918	0.4883	1.3480	0.309065
Nanos2	chr7:18987523-18988962	0.4135	0.3412	-0.2776	0.844247
Gipr	chr7:19157124-19166127	0.2265	0.0075	-4.9216	0.300258
Cblc	chr7:19778880-19796809	0.0925	0.0065	-3.8317	0.318612
Ceacam2	chr7:25516041-25540004	0.1141	0.0001	-10.1555	0.285591
Gm10651	chr7:27949154-27949763	0.3858	0.6195	0.6832	0.679638
Gm12755	chr7:33998011-34006461	0.8332	0.1041	-3.0010	0.269349
Klk15	chr7:43933770-43939590	0.2792	0.0001	-11.4472	0.285591
1700028J19Rik	chr7:44229932-44236122	0.2166	0.1997	-0.1170	0.922758
Aspdh	chr7:44465390-44467757	0.1837	0.0683	-1.4281	0.535301
Mybpc2	chr7:44501698-44524669	0.0649	0.0740	0.1896	0.922883
Mir707	chr7:44849698-44849771	3.8027	0.9267	-2.0369	0.415916
Lhb	chr7:45418352-45421854	0.2418	0.1127	-1.1011	0.420935
Sec1	chr7:45677688-45694402	0.3030	0.0269	-3.4949	0.328994
Gm14377	chr7:47110850-47125990	0.1429	0.0586	-1.2851	0.540966
Nipa1	chr7:55977566-56019954	0.1745	0.0883	-0.9833	0.605070
Gm15888	chr7:55979926-55980850	0.4367	0.4181	-0.0626	0.970725
Ttl13	chr7:80246375-80260821	0.1525	0.1233	-0.3067	0.845656
Gm15880	chr7:80636016-80644384	1.5471	0.6427	-1.2673	0.417822
A530021J07Rik	chr7:83148643-83155922	0.7738	0.7256	-0.0926	0.948523
Gm26708	chr7:84152357-84194973	0.3324	0.0412	-3.0113	0.349542
Kctd14	chr7:97451333-97459553	0.0944	0.1515	0.6825	0.689757
Gm10605	chr7:99625935-99631711	0.0958	0.0709	-0.4352	0.817493
Gpx2-ps1	chr7:100264943-100265246	1.0572	0.1453	-2.8634	0.352735
Art5	chr7:102096878-102102845	0.2839	0.1753	-0.6956	0.694521
Art1	chr7:102101742-102111148	0.1809	0.0001	-10.8212	0.285591
9130208D14Rik	chr7:105824222-105831515	0.1073	0.0369	-1.5406	0.022962
Gm22372	chr7:106426711-106426847	1.5702	1.3570	-0.2105	0.896781
Acsm4	chr7:119690025-119714567	0.1290	0.0690	-0.9025	0.660575
NA	chr7:120688218-120688323	2.0337	1.4134	-0.5250	0.791824
Gm16326	chr7:122131091-122131505	0.9285	0.3093	-1.5858	0.477927
Asphd1	chr7:126945566-126949582	0.1533	0.2736	0.8354	0.528898
NA	chr7:127524696-127524965	1.6670	1.6801	0.0113	0.993868
Snora30	chr7:127527873-127528003	1.6426	6.0543	1.8820	0.208865
Stx1b	chr7:127803899-127824549	0.1214	0.0975	-0.3164	0.839872
Ano9	chr7:141101218-141117806	0.0710	0.0578	-0.2970	0.845301
Cend1	chr7:141426445-141429491	0.1565	0.2220	0.5046	0.754464
Gm7290	chr7:142757255-142757852	0.7230	0.2085	-1.7939	0.255426
Lrrc8e	chr8:4226826-4237470	0.2257	0.0289	-2.9636	0.103872
Gm7461	chr8:4677538-4678365	0.2583	0.6443	1.3188	0.464883
Efnb2	chr8:8617433-8660773	0.0840	0.1016	0.2742	0.865656
Grk1	chr8:13405080-13421945	0.0921	0.0202	-2.1863	0.401446
Gm5117	chr8:31737053-31739763	0.0914	0.1272	0.4778	0.750939
Gm5908	chr8:32476882-32477329	0.5256	0.5603	0.0923	0.956444
Wwc2	chr8:47826082-47990543	0.0588	0.0325	-0.8556	0.632209
Gm15991	chr8:67956769-67978051	0.2494	0.0001	-11.2845	0.285591
Gm25172	chr8:70039103-70039190	6.7032	1.5539	-2.1090	0.175187
Lrrc25	chr8:70616843-70620850	0.2853	0.3368	0.2395	0.904690
Kcnn1	chr8:70842048-70857008	0.1002	0.0001	-9.9683	0.285591
Gm5912	chr8:95577470-95578908	0.3268	0.0665	-2.2960	0.395762
Mir328	chr8:105308363-105308460	4.1826	6.2849	0.5875	0.682367
Hsd11b2	chr8:105518745-105523984	0.1274	0.1004	-0.3442	0.871955
Nrn1l	chr8:105893566-105895023	0.6576	0.1443	-2.1878	0.398147
Tmed6	chr8:107061483-107065644	0.2723	0.3996	0.5534	0.817929
Snord71	chr8:109839294-109839379	5.3969	2.2240	-1.2790	0.358946
Gm25321	chr8:109840587-109840689	7.7170	1.7659	-2.1276	0.157366
Gm22	chr8:122269568-122272646	0.0903	0.0282	-1.6787	0.471143
4732419C18Rik	chr8:123744630-123754228	0.0704	0.1668	1.2445	0.394122
Mir1967	chr8:124022640-124022722	5.4685	2.1441	-1.3508	0.520093

Kcnk1	chr8:125995101-126030683	0.1790	0.1398	-0.3567	0.816899
Gm21399	chr8:129252997-129253597	0.4983	0.2648	-0.9123	0.606022
Gm17571	chr9:13444033-13446753	3.8862	4.0351	0.0542	0.959705
Gm7808	chr9:19927895-19928282	0.9705	0.7523	-0.3675	0.776159
Pate2	chr9:35570283-35690318	0.1475	0.0627	-1.2333	0.288280
Gm8343	chr9:37685940-37686934	0.2794	0.3125	0.1617	0.907659
Olfr920	chr9:38752795-38756863	0.1744	0.3340	0.9373	0.406117
Hykk	chr9:54917282-54949924	0.0264	0.0389	0.5606	0.684590
AY074887	chr9:54950265-54950954	0.5036	0.5313	0.0771	0.953540
lqch	chr9:63421454-63602493	0.0711	0.0129	-2.4644	0.376869
Gm22455	chr9:64177122-64177193	3.9098	8.9490	1.1946	0.329624
Gm16073	chr9:65838166-65838683	0.7435	0.7540	0.0202	0.989329
Aldh1a2	chr9:71215788-71296243	0.1604	0.0778	-1.0449	0.622523
5830418P13Rik	chr9:103423577-103461255	0.0984	0.1994	1.0189	0.485424
Tmem108	chr9:103482935-103761837	0.7002	0.3519	-0.9926	0.453115
Col6a6	chr9:105689416-105828085	0.0315	0.0036	-3.1162	0.342809
Mirlet7g	chr9:106178839-106178927	6.0662	2.2735	-1.4159	0.494855
Tlr9	chr9:106222597-106226876	0.0801	0.0938	0.2283	0.892431
4930500F10Rik	chr9:106247959-106248907	0.6841	0.1556	-2.1366	0.404294
4930535L15Rik	chr9:107998115-108002404	0.5180	0.1518	-1.7709	0.470240
Gm16142	chr9:115990955-116001788	0.0975	0.0058	-4.0699	0.313077
Gm17021	chr9:123772184-123790939	0.4623	1.6686	1.8518	0.052957
Gm4984	chrX:12651882-12652821	0.4824	0.3405	-0.5024	0.647077
Gm25202	chrX:14315400-14315591	3.0498	2.6009	-0.2297	0.816443
Gm9436	chrX:17674429-17676284	0.1728	0.0072	-4.5801	0.304428
A230072C01Rik	chrX:20961683-20986737	3.0092	2.0441	-0.5579	0.575076
Gm14541	chrX:36839136-36839293	2.3122	0.5271	-2.1331	0.419976
Gm15034	chrX:49158222-49158571	0.9178	0.0758	-3.5976	0.325746
Mir363	chrX:52741692-52741767	3.7013	5.9693	0.6895	0.680644
Mir18b	chrX:52742330-52742413	9.1820	1.5674	-2.5505	0.151386
C430049B03Rik	chrX:53055045-53057190	0.1460	0.4767	1.7073	0.403341
3830403N18Rik	chrX:56136571-56153498	0.6060	0.0518	-3.5479	0.327308
Hspa9-ps1	chrX:60576945-60578878	0.1327	0.2407	0.8593	0.499534
Gm14686	chrX:74261031-74261374	1.2967	1.8554	0.5169	0.561819
Gm7153	chrX:75723671-75724126	0.5633	0.9158	0.7013	0.614485
Oat-rs1	chrX:75915215-75916526	0.2281	0.1608	-0.5043	0.812665
Gm14761	chrX:85823167-85823429	0.8966	0.0001	-13.1302	0.285591
Rpl13-ps5	chrX:94789716-94790349	0.4829	0.3047	-0.6645	0.658440
Gm14860	chrX:103514921-103515350	0.9458	0.7398	-0.3543	0.811782
Gm6335	chrX:112162553-112163747	0.2018	0.0264	-2.9364	0.272283
Klhl4	chrX:114474332-114560829	0.0895	0.1658	0.8902	0.539281
Tceal3	chrX:136590841-136668378	0.1953	0.0938	-1.0572	0.401083
Trpc5	chrX:144381670-144688180	0.0810	0.0092	-3.1351	0.339941
Gm5395	chrX:151655187-151656102	0.3035	0.1492	-1.0240	0.598958
Gm7150	chrX:153403089-153404070	0.2831	0.0902	-1.6494	0.466529
Ptchd1	chrX:155573454-155623814	0.0783	0.0109	-2.8411	0.358607
Gm15186	chrX:159588464-159589027	1.7905	0.1987	-3.1719	0.194189
Ghr	chr15:3317759-3583492	0.0308	0.0482	0.6471	0.784152
Gm2093	chr15:3996038-4015858	0.0728	0.1027	0.4965	0.717568
Acot10	chr15:20665218-20666750	0.3019	0.1938	-0.6397	0.535594
n-R5s39	chr15:39146379-39146487	8.6792	1.0353	-3.0675	0.163959
Gm22299	chr15:58041515-58041651	1.5702	0.2392	-2.7145	0.367421
Cdc42ep1	chr15:78842646-78850902	0.0841	0.0001	-9.7160	0.285591
Sox10	chr15:79154912-79164490	0.2444	0.0499	-2.2915	0.027257
Gm18284	chr15:81674254-81674878	0.4214	0.7730	0.8752	0.438487
Csdc2	chr15:81936758-81950941	0.1248	0.0304	-2.0358	0.421934
Slc2a13	chr15:91267695-91573261	0.0435	0.0521	0.2605	0.883173
Endou	chr15:97711018-97731405	0.2028	0.1288	-0.6555	0.502451
Ddn	chr15:98803781-98807925	0.1314	0.0912	-0.5271	0.744231
Gm3558	chr14:7545150-7568566	0.1986	0.0523	-1.9249	0.236168
4933413J09Rik	chr14:26356573-26400456	0.1016	0.0907	-0.1636	0.905492
Gm16241	chr14:26389198-26395521	0.2162	0.0001	-11.0783	0.064157
Hesx1	chr14:27000361-27002329	0.5435	0.3899	-0.4792	0.702375
3425401B19Rik	chr14:32659118-32685272	0.0655	0.0001	-9.3562	0.285591
Gm10916	chr14:50769247-50769730	0.9285	0.9159	-0.0197	0.989902
Rnase12	chr14:51056697-51057242	0.6270	0.0001	-12.6142	0.285591
Rnase6	chr14:51129067-51131122	0.4383	0.3932	-0.1566	0.924906
Olfr1509	chr14:52450392-52451402	0.2749	0.0001	-11.4249	0.285591
Trav9d-1	chr14:52792207-52792776	0.7696	0.8309	0.1106	0.952192
Trav9n-1	chr14:53101692-53102401	0.4396	0.1953	-1.1703	0.598059
Trav13n-3	chr14:53337121-53337638	1.1440	0.5073	-1.1732	0.574937

Trav13n-4	chr14:53363835-53364102	1.0397	2.1796	1.0678	0.291901
Trav7-2	chr14:53390569-53391142	0.5326	0.1142	-2.2221	0.399624
Trdv4	chr14:54075003-54075515	0.8047	1.8774	1.2222	0.477504
Rnf17	chr14:56402696-56525032	0.0499	0.1121	1.1679	0.537975
Gm16301	chr14:59414071-59414636	0.9423	0.5869	-0.6830	0.511844
Gm9013	chr14:60039609-60040491	0.3291	0.6218	0.9182	0.474882
Arl11	chr14:61309752-61311936	0.2739	0.4423	0.6917	0.513210
Gm6984	chr14:73953921-73955586	0.2822	0.0792	-1.8335	0.436363
Gm10110	chr14:89896222-89898466	0.1630	0.1824	0.1622	0.907614
Mir92-1	chr14:115044426-115044506	3.4699	4.2791	0.3024	0.827907
Tmem181b-ps	chr17:6448039-6449571	0.3298	0.6182	0.9066	0.563060
NA	chr17:15010265-15022448	0.3084	0.2209	-0.4812	0.774207
Prss27	chr17:24038143-24045954	0.1876	0.0601	-1.6413	0.469773
BC028777	chr17:24208860-24221730	0.4084	0.4221	0.0475	0.965134
2810468N07Rik	chr17:25570810-25575043	0.7020	0.0740	-3.2455	0.124669
Armc12	chr17:28530859-28538954	0.3747	0.2063	-0.8613	0.640142
Gm23887	chr17:28989976-28990148	2.9796	2.9893	0.0047	0.997278
Ephx3	chr17:32183769-32189549	0.0940	0.0326	-1.5277	0.514048
Gm25667	chr17:32956609-32956884	2.8624	0.2403	-3.5741	0.086653
Vva7	chr17:35016578-35026741	0.0892	0.1533	0.7807	0.633739
Sapcd1	chr17:35025958-35028016	0.2909	0.2879	-0.0148	0.992422
Gm9840	chr17:35935461-35935963	0.4680	0.0527	-3.1494	0.342809
Mir877	chr17:35960729-35960814	4.9117	5.5512	0.1766	0.880438
Trim40	chr17:36881597-36890123	0.1604	0.0001	-10.6473	0.285591
Trem14	chr17:48264294-48275360	0.1177	0.0887	-0.4091	0.811901
Gm7334	chr17:50698524-50699880	0.3080	0.0915	-1.7504	0.378544
Snord92	chr17:71631280-71631365	3.2658	2.4200	-0.4324	0.783857
Gm25706	chr17:80196157-80196404	0.9510	1.3723	0.5290	0.680560
Arhgef33	chr17:80307406-80388688	0.0918	0.0642	-0.5155	0.748432
NA	chr17:88459356-88459456	2.3489	1.0774	-1.1245	0.582409
Gm6142	chr16:4320355-4320680	1.8760	1.3843	-0.4384	0.766379
Gm7541	chr16:8623185-8623720	1.3915	0.6953	-1.0010	0.329152
Rpl39l	chr16:10170225-10174911	0.8994	0.1691	-2.4108	0.391312
NA	chr16:16078158-16078229	3.6090	0.1862	-4.2767	0.309524
Gm24927	chr16:17341905-17342012	2.1952	1.8290	-0.2633	0.868591
Gm15798	chr16:18944257-18944665	0.5235	1.1054	1.0785	0.476247
Gm17799	chr16:19723311-19723978	0.3843	0.0001	-11.9079	0.285591
Gm15760	chr16:20545917-20546200	0.8301	2.1608	1.3803	0.467292
Gm24898	chr16:21774112-21774218	3.8275	1.2763	-1.5844	0.476832
Liph	chr16:21953825-21995542	0.0620	0.0441	-0.4915	0.761762
Adipoq	chr16:23146535-23158028	0.1702	0.3047	0.8404	0.626475
Gm15742	chr16:30969392-30973518	0.4303	0.8453	0.9742	0.265792
Gm24879	chr16:31747199-31747342	1.6426	0.4621	-1.8297	0.460963
Hgd	chr16:37580152-37632020	0.2209	0.1378	-0.6806	0.653317
Gm15711	chr16:43312593-43313128	4.5215	1.2790	-1.8218	0.266216
Morc1	chr16:48431236-48630905	0.1891	0.1037	-0.8665	0.670005
Retnlg	chr16:48872607-48874498	0.4567	0.7789	0.7702	0.643900
Tmem45a	chr16:56805160-56886166	0.0979	0.1007	0.0409	0.981680
Olfr175-ps1	chr16:58823780-58826761	0.5604	0.3485	-0.6851	0.690658
Gm23940	chr19:3490308-3490413	2.6438	0.7164	-1.8838	0.435476
Gm960	chr19:4625840-4698668	0.1281	0.0860	-0.5753	0.748973
Gm5510	chr19:6152714-6153200	0.7168	0.3859	-0.8932	0.627867
Gm17227	chr19:7297657-7304528	0.2523	0.6486	1.3622	0.358639
Stxbp3b	chr19:9557605-9559248	0.3606	0.1131	-1.6723	0.487018
Gm5244	chr19:12846772-12847273	0.4689	0.5680	0.2764	0.854042
E030024N20Rik	chr19:16164311-16164805	0.6172	1.1055	0.8410	0.481352
Gm24252	chr19:25166084-25166216	1.9413	5.8118	1.5820	0.311324
Gm20616	chr19:26620821-26623419	0.9661	0.3582	-1.4312	0.506848
Ankrd22	chr19:34122548-34166053	0.2275	0.1091	-1.0600	0.580150
Myof	chr19:37899035-38043577	0.0572	0.0847	0.5671	0.679050
Scd1	chr19:44394450-44407709	0.0677	0.1487	1.1346	0.580822
Gsto2	chr19:47865544-47886324	0.5204	0.1482	-1.8122	0.252595
Gm22240	chr19:47919191-47919273	3.1249	0.5578	-2.4859	0.377479
Tcf7l2	chr19:55741809-55933654	0.0392	0.0001	-8.6145	0.285591
Nrap	chr19:56320034-56390037	0.1009	0.0830	-0.2815	0.852163
Gfra1	chr19:58235603-58455909	0.0391	0.0453	0.2128	0.904022
Snora19	chr19:60774329-60774461	1.9413	4.3045	1.1489	0.590641
Slco5a1	chr1:12866548-12991177	0.0192	0.0688	1.8419	0.189927
Xkr9	chr1:13668770-13701723	0.1110	0.0430	-1.3681	0.527416
Gm5828	chr1:16768269-16770138	0.2400	0.1785	-0.4269	0.805947
Gm16328	chr1:21390905-21391101	1.6342	0.0001	-13.9963	0.285591

NA	chr1:24005504-24005894	0.6722	0.3697	-0.8625	0.579003
NA	chr1:33669842-33670712	0.4419	0.5409	0.2917	0.852516
Gm15455	chr1:33835898-33838914	0.0709	0.2422	1.7724	0.041905
Rpl12-ps1	chr1:36957929-36958427	0.8223	0.6837	-0.2663	0.770295
Gm26805	chr1:37865298-37871388	0.0900	0.0139	-2.6923	0.362048
Npas2	chr1:39193730-39363234	0.1035	0.1259	0.2831	0.713923
Slc40a1	chr1:45908069-45925594	0.0696	0.0933	0.4222	0.830473
Als2cr11	chr1:59050505-59094900	0.0970	0.0296	-1.7116	0.479708
Fzd7	chr1:59482146-59486947	0.0713	0.0819	0.2001	0.900502
Snord11	chr1:59704788-59704874	2.4830	1.8319	-0.4387	0.800618
Gm11582	chr1:60948229-60948465	1.8097	0.2068	-3.1294	0.343825
Gm15793	chr1:66849107-66849602	0.7603	1.3009	0.7748	0.516029
Gpbar1	chr1:74278549-74279624	0.2583	0.3568	0.4659	0.746409
Vil1	chr1:74409375-74435559	0.1215	0.0768	-0.6622	0.505100
Gm25035	chr1:74586895-74586972	3.0505	0.9768	-1.6429	0.469773
Asic4	chr1:75450435-75474343	0.0862	0.0951	0.1418	0.930858
Gm5529	chr1:79922535-79923426	0.3422	0.0332	-3.3666	0.271127
n-R5s215	chr1:85674881-85674985	4.0923	3.5552	-0.2030	0.873247
2810459M11Rik	chr1:86045862-86055456	0.1860	0.1406	-0.4040	0.794956
Gm24148	chr1:86352007-86352087	3.4699	8.7534	1.3349	0.503838
Ecel1	chr1:87147654-87156521	0.1038	0.7883	2.9247	0.255690
Espnl	chr1:91322074-91348306	0.1740	0.0313	-2.4763	0.163965
Gm6430	chr1:97024680-97025928	0.2739	0.2296	-0.2541	0.874153
Gm25322	chr1:119530210-119530314	2.0533	1.0387	-0.9832	0.608617
5430435G22Rik	chr1:131688694-131713542	0.0941	0.0098	-3.2641	0.337337
Gm8618	chr1:134109367-134109799	0.6735	0.6792	0.0122	0.990605
Gm25612	chr1:134505337-134505463	3.8103	2.7427	-0.4743	0.721701
Gm16880	chr1:136696210-136726142	0.1454	0.0083	-4.1353	0.311892
Gm26936	chr1:137928388-137969240	0.6004	0.0654	-3.1984	0.340621
Rasal2	chr1:157135182-157412595	0.0188	0.0383	1.0293	0.505047
Gm23402	chr1:165809635-165809742	2.4570	0.6283	-1.9674	0.354548
Gm17224	chr1:172213020-172213680	0.4272	0.0001	-12.0605	0.285591
Gm25288	chr1:176793955-176794220	1.0476	0.1842	-2.5079	0.382930
1700016C15Rik	chr1:17729813-177753324	0.2781	0.1377	-1.0138	0.641969
Enah	chr1:181904444-182019980	0.0796	0.0712	-0.1610	0.920448
Tgfb2	chr1:186623185-186705992	0.0498	0.0347	-0.5202	0.767386
Gm13184	chr2:3468612-3474546	1.1246	0.5871	-0.9377	0.466388
Dhtkd1	chr2:5896114-5942792	0.0366	0.0331	-0.1450	0.946448
Gm13384	chr2:6132207-6133956	0.2384	0.0001	-11.2197	0.285591
A230108P19Rik	chr2:6193250-6321611	0.0855	0.0119	-2.8464	0.352958
Gm13388	chr2:6431785-6436033	0.8040	1.4446	0.8455	0.403084
Gm13217	chr2:9041116-9042484	0.2848	0.1273	-1.1621	0.575509
Gm13262	chr2:9906177-9914678	0.2172	0.1775	-0.2915	0.795674
Cacnb2	chr2:14604305-14987908	0.0238	0.0395	0.7301	0.641896
Gm25147	chr2:18158686-18158791	4.6774	2.1014	-1.1544	0.602413
Gm13334	chr2:18694031-18699037	0.2439	0.0352	-2.7912	0.356378
Gm13422	chr2:23235235-23235739	0.5932	0.2055	-1.5296	0.472735
Gm13369	chr2:24993356-24994343	0.3462	0.3869	0.1602	0.924834
Entpd8	chr2:25080303-25085716	0.1403	0.1570	0.1622	0.915976
Gm25220	chr2:25339650-25339745	6.5183	0.5564	-3.5502	0.327308
Gm22879	chr2:26912230-26912287	8.5516	6.0466	-0.5001	0.699785
Gm13381	chr2:28562196-28576698	0.9129	0.2002	-2.1893	0.157553
Gm13401	chr2:29498211-29498502	0.8073	0.3018	-1.4194	0.537441
Gm23369	chr2:32593468-32593573	3.2539	2.7057	-0.2661	0.862837
Eng	chr2:32646594-32682669	0.2305	0.0632	-1.8678	0.123169
Gm23546	chr2:33211804-33211941	1.8704	0.0001	-14.1911	0.285591
Gm13408	chr2:34564998-34565796	0.7383	0.4027	-0.8746	0.382792
Snord90	chr2:37400046-37400157	1.9238	4.0546	1.0756	0.622509
Crb2	chr2:37776248-37799103	0.0607	0.0755	0.3163	0.841036
Gm13508	chr2:49327376-49328151	0.2756	0.0001	-11.4285	0.285591
Gm13498	chr2:50909683-50911849	0.2299	0.0001	-11.1669	0.249170
Gm13574	chr2:59991950-59992344	0.5962	1.1558	0.9549	0.447348
Slc38a11	chr2:65316429-65364034	0.1063	0.1078	0.0206	0.983545
Gm13618	chr2:66187835-66192813	1.2790	0.4579	-1.4819	0.494791
Klhl41	chr2:69670119-69684230	0.0845	0.0222	-1.9287	0.430940
Dlx1as	chr2:71516453-71537891	0.4889	0.1990	-1.2967	0.308776
Gm13666	chr2:73131744-73132543	0.3742	0.8935	1.2555	0.372058
Gm13736	chr2:87526048-87526752	0.3337	0.0795	-2.0696	0.415009
Gm13767	chr2:90358177-90383163	0.2427	0.0937	-1.3740	0.527593
Gm13783	chr2:91195905-91202778	0.3210	0.1750	-0.8747	0.643562
Gm13815	chr2:92561268-92561680	0.5702	0.0730	-2.9648	0.347431

Gm13889	chr2:93955809-93957049	0.2412	0.1579	-0.6110	0.720912
ltpa-ps1	chr2:94384501-94385098	0.9116	0.7132	-0.3539	0.822202
Rag1	chr2:101638281-101649501	0.0389	0.0370	-0.0709	0.973975
Gm13919	chr2:102039628-102066725	0.1094	0.3188	1.5434	0.271956
Ccdc34os	chr2:110031249-110050479	0.7064	0.1367	-2.3695	0.155531
Gm14138	chr2:119187516-119188261	1.1347	0.2218	-2.3547	0.346203
Spint1	chr2:119237361-119249527	0.0773	0.2892	1.9040	0.243126
Gm14000	chr2:121405240-121405473	1.6497	0.4494	-1.8762	0.435847
4930417H01Rik	chr2:122702046-122721456	0.1874	0.3388	0.8544	0.446656
Gm23753	chr2:126634538-126634687	1.7198	1.0574	-0.7017	0.699492
Kcnp3	chr2:127456497-127522094	0.1124	0.1318	0.2287	0.755908
Hao1	chr2:134497360-134554368	0.2245	0.0001	-11.1323	0.285591
Gm17374	chr2:140152042-140153532	2.7215	6.3570	1.2239	0.653434
Foxs1	chr2:152931897-152933208	0.1630	0.0383	-2.0892	0.411432
Gm14227	chr2:155198631-155199260	0.7915	0.8801	-0.1532	0.897947
Gm14279	chr2:157521695-157522028	0.8337	0.2382	-1.8075	0.464406
Gm24379	chr2:158487601-158487687	6.5010	1.2292	-2.4029	0.180590
Gm16316	chr2:163685003-163692279	0.1260	0.0762	-0.7252	0.702430
n-R5s207	chr2:164157403-164157521	2.8954	2.8548	-0.2040	0.991414
5031425F14Rik	chr2:166447450-166459232	0.1121	0.0728	-0.6215	0.720178
Gm11474	chr2:167535165-167535442	1.3876	1.0347	-0.4234	0.832599
Rpl30-ps5	chr2:174440928-174441289	1.1017	1.1166	0.0194	0.989663
Gm14443	chr2:175166254-175175871	0.0704	0.0461	-0.6105	0.739999
Gm14341	chr2:180954463-180966812	0.5863	0.9970	0.7659	0.539201
Gm5466	chr2:181896822-181898712	0.2923	0.2326	-0.3297	0.770897
Cabyr	chr18:12741323-12755146	0.1385	0.1014	-0.4493	0.772859
2010110K18Rik	chr18:34751808-34758685	0.0749	0.1417	0.9195	0.558928
3222401L13Rik	chr18:37655906-37658737	0.1585	0.0174	-3.1892	0.338021
Gm10268	chr18:38244827-38245382	0.8600	0.7558	-0.1864	0.703893
Pcdh12	chr18:38267091-38284401	0.0918	0.0048	-4.2488	0.309524
Sema6a	chr18:47235597-47368870	0.0269	0.0001	-8.0692	0.285591
Gm26403	chr18:61138508-61138613	2.2371	1.1907	-0.9098	0.641599
Spink10	chr18:62548910-62661366	0.2042	0.0085	-4.5830	0.304428
Slmo1	chr18:67464848-67480581	0.1085	0.1026	-0.0805	0.957537
Gm26014	chr18:77682613-77682745	1.9413	0.2003	-3.2768	0.337337
Siglec15	chr18:78043613-78057395	0.2319	0.3536	0.6085	0.630452
Slc14a2	chr18:78146939-78209094	0.0735	0.0203	-1.8573	0.432282
Fam69c	chr18:84720018-84740436	0.1124	0.2404	1.0970	0.508476
NA	chr3:32365774-32367436	0.1928	0.2942	0.6094	0.656808
Gm9791	chr3:34004778-34005511	0.3497	0.1142	-1.6146	0.480875
Gm22043	chr3:40992692-40992850	1.8921	1.2512	-0.5967	0.754416
Slc7a11	chr3:50364935-50443613	0.0362	0.0158	-1.1928	0.553679
Lhfp	chr3:53041527-53261679	0.1863	0.2335	0.3262	0.687091
A730090N16Rik	chr3:65324775-65349429	0.5109	0.3862	-0.4039	0.843784
NA	chr3:69222418-69223616	0.2320	0.4543	0.9694	0.361713
Arl14	chr3:69222418-69223618	0.2314	0.4531	0.9694	0.361713
Gm17212	chr3:69335501-69335760	2.4166	1.1252	-1.1028	0.347831
Tmem144	chr3:79813147-79842662	0.1637	0.1629	-0.0070	0.996047
Gm20652	chr3:88616456-88621061	0.5576	1.7130	1.6192	0.238980
Gm23054	chr3:88862918-88863080	5.1725	1.6218	-1.6733	0.220110
Pklr	chr3:89136141-89146784	0.0925	0.0092	-3.3282	0.331963
Efna3	chr3:89313898-89322965	0.1405	0.0268	-2.3887	0.392987
Rplp0-ps1	chr3:93278140-93279073	0.4248	0.3391	-0.3251	0.759503
Gm15234	chr3:94658960-94660115	0.2827	0.2988	0.0801	0.968929
Ctsk	chr3:95499285-95509362	0.1914	0.0728	-1.3946	0.466712
C920021L13Rik	chr3:95871521-95889093	0.2536	0.1713	-0.5662	0.643023
Gm22581	chr3:96724264-96724400	2.8262	4.9039	0.7951	0.629329
Gm5544	chr3:97930172-97967018	0.2877	0.4941	0.7802	0.740740
Gm12485	chr3:100680264-100680555	1.4676	1.9000	0.3725	0.768148
Gm12488	chr3:100955440-100955939	0.5136	0.3879	-0.4049	0.807097
Chia1	chr3:106113228-106132120	0.1572	0.0241	-2.7034	0.362416
Fndc7	chr3:108853677-108890008	0.0931	0.0697	-0.4173	0.731775
Uox	chr3:146597076-146632305	0.0835	0.0001	-9.7058	0.285591
Slc44a5	chr3:153973435-154271722	0.0330	0.0106	-1.6337	0.469773
mt-Tp	chrM:15355-15422	4.7806	8.1468	0.7690	0.615896
Fam110b	chr4:5644089-6108223	0.0263	0.0878	1.7418	0.518322
Gm22690	chr4:16129565-16129675	1.9413	0.7972	-1.2840	0.536402
Gm11926	chr4:31990856-31991286	0.8443	0.3145	-1.4248	0.523785
Gm11928	chr4:32149785-32150222	0.5376	0.1210	-2.1509	0.417828
Gm12677	chr4:44313426-44314058	0.7018	0.0001	-12.7769	0.285591
Gm23250	chr4:46118179-46118446	0.9598	2.6774	1.4800	0.323591

Anks6	chr4:47015668-47057306	0.1029	0.0427	-1.2693	0.290715
Actl7a	chr4:56743421-56744925	0.3942	0.2020	-0.9649	0.372073
NA	chr4:56897625-56897757	2.1030	1.0249	-1.0369	0.593831
Gm12596	chr4:59260050-59263269	0.4126	0.3998	-0.0452	0.974288
Mup11	chr4:60658465-60662411	0.2440	0.0001	-11.2525	0.285591
Zfp618	chr4:62965572-63139708	0.1339	0.0018	-6.1860	0.118038
Rps18-ps1	chr4:71370737-71371196	0.5874	0.7474	0.3476	0.706150
Gm11258	chr4:74688106-74689324	0.3030	0.0109	-4.7904	0.253306
Ccdc50-ps	chr4:100567107-100568048	0.4312	0.3262	-0.4026	0.799243
O610043K17Rik	chr4:101353782-101399181	0.9420	0.4409	-1.0952	0.438873
Pcsk9	chr4:106442328-106464329	0.0668	0.0933	0.4814	0.704719
NA	chr4:111807357-111808426	0.3851	0.0277	-3.7989	0.274495
Cfap57	chr4:118554550-118620777	0.0638	0.0001	-9.3183	0.285591
Ldha-ps2	chr4:119334388-119335445	0.2021	0.1314	-0.6210	0.727911
Gm12926	chr4:123630294-123630703	0.6788	0.1119	-2.6005	0.369289
Gm12902	chr4:123926233-123926555	0.6632	2.2895	1.7874	0.343488
Fam167b	chr4:129576814-129578549	0.2228	0.2131	-0.0640	0.966252
Gm13252	chr4:132244945-132245266	0.7318	1.4300	0.9665	0.600452
Gm12981	chr4:132503560-132509649	1.3934	0.3332	-2.0643	0.156139
Gm12991	chr4:135377157-135377235	3.5589	0.0001	-15.1191	0.285591
Gm13019	chr4:139342182-139343333	0.9285	0.0001	-13.1807	0.285591
Gm13047	chr4:141084863-141085678	0.3931	0.4070	0.0500	0.971636
Gm13142	chr4:147102326-147103981	0.2251	0.0552	-2.0267	0.358475
Gm13147	chr4:147230283-147259338	0.1507	0.0187	-3.0076	0.349542
Nppa	chr4:148000721-148002079	0.3704	0.1161	-1.6740	0.454268
Slc45a1	chr4:150628571-150652174	0.1993	0.0253	-2.9774	0.349313
Gm13096	chr4:152203925-152204467	1.5314	0.5078	-1.5924	0.479480
4930432B10Rik	chr10:11244789-11281221	0.2469	0.0358	-2.7852	0.273244
Rsph4a	chr10:33905110-33916021	0.1546	0.1293	-0.2577	0.817155
Gm26741	chr10:52358766-52358853	30.7315	18.1889	-0.7567	0.630646
Pald1	chr10:61319656-61383523	0.1212	0.0579	-1.0657	0.569516
Snord98	chr10:62765575-62765640	15.9276	1.0165	-3.9698	0.315778
Vpreb3	chr10:75943056-75949657	0.3173	0.4383	0.4663	0.737781
Fstl3	chr10:79777271-79782630	0.2341	0.1029	-1.1864	0.552787
Prss57	chr10:79781473-79790961	0.2013	0.1357	-0.5696	0.731407
Cfd	chr10:79890852-79892656	0.4133	0.0430	-3.2634	0.337794
Efna2	chr10:80179481-80190010	0.2264	0.0230	-3.2999	0.164354
Gm10271	chr10:116956823-116972609	1.7465	2.3638	0.4366	0.744650
Gm15910	chr10:120857628-120863326	0.6512	0.1556	-2.0654	0.414334
Kif5a	chr10:127225695-127263363	0.0747	0.0738	-0.0166	0.984505
Gm26308	chr10:128377830-128377899	11.0770	1.5655	-2.8229	0.186043
Inpp5j	chr11:3494374-3504821	0.1242	0.0001	-10.2785	0.253480
Gm24958	chr11:5038210-5038307	8.7071	3.0100	-1.5324	0.487031
Ras10a	chr11:5058127-5060385	0.4436	0.1945	-1.1894	0.542520
Glns-ps1	chr11:19720354-19721472	0.4631	0.1056	-2.1334	0.405932
Gm22600	chr11:21197707-21197976	2.8359	0.0001	-14.7915	0.285591
Gm23772	chr11:22846867-22846969	6.7715	1.8137	-1.9005	0.396434
Gpr75	chr11:30885357-30893729	0.5401	0.0293	-4.2055	0.309970
Hba-a1	chr11:32283510-32284465	0.3692	0.0689	-2.4208	0.382329
NA	chr11:33172917-33173368	1.6311	0.0362	-5.4956	0.295379
Kcnp1	chr11:33629338-33993152	0.0792	0.0280	-1.5018	0.504892
Gm12138	chr11:40672905-40673856	0.5731	0.0140	-5.3558	0.296366
Ccnj1	chr11:43528783-43586997	0.3086	0.0345	-3.1628	0.223221
Gm12186	chr11:48996686-48997713	0.5041	0.2285	-1.1417	0.561901
Gm12187	chr11:49069695-49071070	0.7729	0.2962	-1.3836	0.513609
Gm12192	chr11:49697879-49698366	0.9587	0.9865	0.0412	0.971339
Slc22a4	chr11:53983122-54028090	0.2562	0.0554	-2.2085	0.399743
Gm12221	chr11:54158925-54160056	0.3862	0.0873	-2.1461	0.357953
Gm24198	chr11:54458161-54458269	5.3317	2.6355	-1.0165	0.528639
Mup-ps22	chr11:55123694-55123937	2.0182	0.5389	-1.9049	0.427893
Pld6	chr11:59783896-59787645	0.2017	0.0562	-1.8431	0.441089
Gm12281	chr11:62697217-62697515	3.1085	0.0547	-5.8295	0.293306
Alox12b	chr11:69156988-69169792	0.1794	0.0243	-2.8814	0.351419
Tm4sf5	chr11:70505243-70511178	0.5329	0.0787	-2.7594	0.358220
Gm22297	chr11:70996538-70996644	6.4951	0.0001	-15.9871	0.131554
Wscd1	chr11:71749919-71789647	0.1231	0.0221	-2.4744	0.300917
Gm22075	chr11:72800286-72800478	3.2024	1.2018	-1.4140	0.488174
Gm12338	chr11:75599640-75600027	0.7745	0.9573	0.3057	0.800467
Gm16075	chr11:75860968-75861494	2.1887	0.0001	-14.4178	0.285591
Gm22611	chr11:76974085-76974235	3.4608	3.3280	-0.0565	0.956781
Rpl13-ps1	chr11:85111125-85111793	1.0197	0.0809	-3.6551	0.322182

Hsd17b1	chr11:101078410-101080527	0.3355	0.2976	-0.1730	0.902071
NA	chr11:108149608-108149839	3.0411	0.1409	-4.4320	0.287069
Rpl23a-ps14	chr11:108716482-108716906	1.1759	0.9257	-0.3451	0.744242
4732490B19Rik	chr11:113203314-113209669	0.1813	0.1855	0.0325	0.973735
Btbd17	chr11:114791216-114795945	0.1027	0.0001	-10.0040	0.285591
Otop3	chr11:115334730-115346927	0.3145	0.0001	-11.6190	0.285591
Sectm1a	chr11:121067406-121081220	0.2795	0.0001	-11.4486	0.197892
Pfn4	chr12:4769294-4778266	0.6885	0.1788	-1.9448	0.425104
Gm24142	chr12:13490508-13490615	3.3102	0.0001	-15.0146	0.285591
5730507C01Rik	chr12:18514737-18534191	0.5881	0.1565	-1.9097	0.427257
Gm20535	chr12:21252117-21255952	0.3654	0.4634	0.3429	0.788402
Sntg2	chr12:30174481-30373375	0.1245	0.0844	-0.5616	0.763457
Slc26a3	chr12:31390870-31473917	0.1327	0.0001	-10.3740	0.285591
Arl4aos	chr12:40038098-40040027	0.5464	0.1829	-1.5789	0.488195
Acot4	chr12:84038378-84044723	0.2499	0.0119	-4.3984	0.306636
Vash1	chr12:86678699-86692091	0.1474	0.0744	-0.9868	0.538356
Gm20701	chr12:101866948-101867295	2.0415	1.2014	-0.7649	0.674104
Dio3	chr12:110279067-110281097	0.6711	0.2204	-1.6067	0.471442
Gm15995	chr12:111726391-111727127	0.4747	0.7472	0.6544	0.643251
BC022687	chr12:112808974-112816245	0.1850	0.2926	0.6609	0.696533
Ighv9-3	chr12:114140691-114141122	2.8720	0.3707	-2.9537	0.352767
Ighv6-4	chr12:114406476-114406773	2.2983	0.1643	-3.8058	0.140996
Idi2	chr13:8952862-8960935	0.1701	0.0451	-1.9162	0.426354
Mir466i	chr13:17747472-17747593	3.1523	0.8149	-1.9518	0.427612
Tcrg-V6	chr13:19190367-19190929	1.5586	0.0001	-13.9280	0.104051
C230035I16Rik	chr13:23427974-23431022	0.5453	0.6011	0.1406	0.922189
Hfe	chr13:23702033-23710854	0.1221	0.0598	-1.0301	0.578106
Gm11344	chr13:24410105-24410440	4.5544	0.6428	-2.8249	0.355337
Gm25043	chr13:33567793-33568005	1.5422	0.5370	-1.5220	0.515738
Rbm24	chr13:46418299-46431090	0.2374	0.1005	-1.2402	0.531676
Aspn	chr13:49544442-49567557	0.6969	0.1642	-2.0853	0.408507
Gm7251	chr13:49804943-49805952	0.2701	0.0859	-1.6536	0.456667
Snord93	chr5:23852209-23852280	5.7248	1.7893	-1.6778	0.324493
E130116L18Rik	chr5:25222847-25223153	1.6917	1.3476	-0.3281	0.840111
Gm26608	chr5:28019464-28071105	0.2017	0.1005	-1.0044	0.591003
Cgref1	chr5:30933145-30945480	0.4675	0.0299	-3.9644	0.293304
Gm24003	chr5:32913630-32913730	5.1765	0.7929	-2.7068	0.367972
Stk32b	chr5:37446827-37717153	0.1349	0.0001	-10.3972	0.285591
Gm7854	chr5:43235001-43235352	1.7853	0.5031	-1.8273	0.441678
Gm7879	chr5:43913169-43913898	1.2334	0.0001	-13.5903	0.285591
Sel1l3	chr5:53107083-53213452	0.0786	0.0001	-9.6186	0.285591
Cbfa2t2-ps1	chr5:60231481-60232198	0.9223	0.5919	-0.6399	0.644471
Gm15847	chr5:73013498-73017376	0.3754	0.1055	-1.8311	0.460637
2010109A12Rik	chr5:93206517-93213475	0.9926	1.0076	0.0216	0.987913
Fras1	chr5:96373954-96784728	0.0396	0.0018	-4.4872	0.304876
Ube2d2b	chr5:107830252-107831342	0.3250	0.0410	-2.9875	0.344776
1010001B22Rik	chr5:109995510-109996398	0.9715	0.3972	-1.2904	0.519574
Gm26953	chr5:112217059-112218474	0.9082	0.4203	-1.1116	0.562115
Svop	chr5:114026909-114091570	0.1376	0.0593	-1.2146	0.534725
Gm13822	chr5:114917317-114923277	1.9686	0.6442	-1.6117	0.481295
n-R5s174	chr5:117196554-117196675	6.5297	0.0001	-15.9947	0.285591
Hpd	chr5:123171806-123182725	0.3461	0.0824	-2.0709	0.407361
Gm24139	chr5:134204468-134204756	1.7566	0.8213	-1.0968	0.508848
Hspb1	chr5:135887918-135889563	0.5815	0.0514	-3.5008	0.328872
Alox5ap	chr5:149265057-149288045	0.4158	0.6691	0.6864	0.584414
Tex26	chr5:149439705-149470620	0.2491	0.1767	-0.4960	0.815726
Gm24630	chr5:150708043-150708149	7.4538	0.7768	-3.2624	0.335976
Col1a2	chr6:4504813-4541543	0.0383	0.0024	-4.0115	0.313573
Gm9835	chr6:4893351-4893777	1.6370	0.1623	-3.3340	0.263036
Met	chr6:17463799-17573980	0.0356	0.0001	-8.4749	0.285591
Gm5303	chr6:28361913-28363165	0.8270	0.0107	-6.2785	0.291156
Gm13782	chr6:30673943-30682266	2.6317	0.0768	-5.0985	0.298403
Slc13a4	chr6:35267956-35308131	0.0843	0.0288	-1.5486	0.509781
Fam115c	chr6:42623018-42645254	0.1484	0.0001	-10.5357	0.285591
Olfr434	chr6:43216882-43217938	0.4387	0.0001	-12.0990	0.285591
Rbpsuh-rs3	chr6:46529350-46530922	0.1862	0.3966	1.0907	0.405334
A930035D04Rik	chr6:47453775-47454320	0.7988	0.6086	-0.3924	0.703920
Hoxa2	chr6:52162350-52165413	0.1238	0.0269	-2.1998	0.411974
Vmn1r4	chr6:56924021-56958100	0.1586	0.0133	-3.5770	0.324159
Gm16838	chr6:65768543-65779249	1.1687	0.0001	-13.5126	0.285591
Igkj4	chr6:70723547-70723585	9.3206	1.6315	-2.5142	0.376718

Tcf7l1	chr6:72626377-72789254	0.1112	0.1228	0.1437	0.910939
Atp6v1b1	chr6:83743016-83758809	0.4386	0.1824	-1.2655	0.573506
Gm25961	chr6:89249467-89249602	2.6236	0.0001	-14.6793	0.285591
Lhfp14	chr6:113168089-113195384	0.1260	0.0113	-3.4761	0.327654
3110021A11Rik	chr6:119848192-119849013	1.0288	0.0967	-3.4119	0.332054
Gm15532	chr6:119892919-119893803	1.1096	0.3327	-1.7379	0.470934
Gm23851	chr6:124964284-124964387	3.1742	5.6522	0.8324	0.558422
Pianp	chr6:124996693-125003096	0.2355	0.1399	-0.7513	0.662462
Dyrk4	chr6:126876019-126921839	0.1095	0.1316	0.2648	0.842968
Clec2g	chr6:128934380-128984707	0.3314	0.1030	-1.6855	0.468096
Clec1b	chr6:129397296-129409335	0.2030	0.0514	-1.9803	0.438939
Gm15785	chr6:149433779-149434473	0.7683	0.7178	-0.0979	0.953887
Gm20775	chrY:10640941-10643315	0.2237	0.0386	-2.5340	0.187412
Gm6792	chr7:6252709-6282066	0.9903	0.3043	-1.7026	0.463515
Ceacam3	chr7:17150281-17164253	0.2578	0.0001	-11.3322	0.285591
Gm19345	chr7:19852002-19858347	0.2753	0.6559	1.2525	0.305027
Cxcl17	chr7:25400052-25412886	0.4655	0.0175	-4.7364	0.302519
B3gnt8	chr7:25627623-25629490	0.2033	0.2463	0.2768	0.845737
Mia	chr7:27179741-27181157	1.2550	0.0563	-4.4774	0.294546
Gm23368	chr7:30100839-30100935	3.9119	5.7323	0.5512	0.681983
Gm26810	chr7:30198629-30200889	0.7970	0.0718	-3.4729	0.281904
Rps12-ps5	chr7:30263262-30263651	0.9372	0.8659	-0.1140	0.901599
Lgi4	chr7:31059341-31070935	0.0833	0.0970	0.2190	0.893048
Vmn2r58	chr7:41836880-41872670	0.2737	0.0001	-11.4184	0.285591
Klk1b11	chr7:43995876-43999875	0.4736	0.0189	-4.6441	0.303717
Snord88c	chr7:44249851-44249941	3.6327	7.4629	1.0387	0.359093
Hsd17b14	chr7:45554892-45567752	0.4165	0.0369	-3.4989	0.192991
Ntn5	chr7:45684021-45694556	0.2460	0.0180	-3.7735	0.320478
Csrp3	chr7:48830397-48848051	0.3641	0.0001	-11.8301	0.285591
Gm9885	chr7:78578829-78581034	0.3615	0.0738	-2.2916	0.208516
Fzd4	chr7:89404365-89410110	0.0962	0.0001	-9.9101	0.285591
P4ha3	chr7:100285519-100319699	0.2060	0.0195	-3.4034	0.329646
Arhgef17	chr7:100869745-100932161	0.0483	0.0168	-1.5224	0.371357
P2ry2	chr7:100996571-101011991	0.1726	0.0089	-4.2765	0.309266
Gm25405	chr7:104423273-104423380	4.8379	2.8065	-0.7856	0.672363
Vwa3a	chr7:120739556-120805742	0.0656	0.0069	-3.2475	0.337794
Mir3103	chr7:128288368-128288435	8.1328	0.7890	-3.3657	0.333824
Mir202	chr7:139957688-139957760	3.7840	0.6353	-2.5744	0.371128
Gm26102	chr8:4274852-4275136	2.8780	0.9760	-1.5601	0.474070
Nek5	chr8:22073615-22125053	0.3288	0.1141	-1.5272	0.481076
Smim18	chr8:33742113-33747770	0.8346	0.6838	-0.2875	0.864540
Gm10131	chr8:34111142-34111736	1.6054	0.1370	-3.5510	0.327258
Mtus1	chr8:40990913-41133726	0.0325	0.0056	-5.2267	0.372953
Gm24684	chr8:46080887-46080983	4.5408	0.2874	-3.9819	0.315494
5330439A09Rik	chr8:54568549-54600987	0.4879	0.0001	-12.2524	0.285591
Gm21807	chr8:68120350-68121527	0.3620	0.0197	-4.1971	0.310879
Mef2b	chr8:70152777-70167488	0.3710	0.3590	-0.0476	0.963064
Nwd1	chr8:72646710-72714746	0.0533	0.0033	-4.0277	0.313573
Crry-ps	chr8:73750300-73750783	0.7898	0.0001	-12.9473	0.285591
Rtbdn	chr8:84946990-84956603	0.2030	0.0912	-1.1539	0.397666
Gm25506	chr8:85050206-85050276	5.4490	0.4647	-3.5517	0.327258
Abcc12	chr8:86482259-86580686	0.0738	0.0001	-9.5281	0.285591
Gm21817	chr8:92336667-92339250	0.2111	0.0001	-11.0434	0.285591
Cngb1	chr8:95239044-95284181	0.0869	0.0357	-1.2828	0.568767
Ces2d-ps	chr8:104867487-104874080	0.4214	0.1833	-1.2007	0.393183
Nol3	chr8:105276446-105281939	0.4687	0.0826	-2.5039	0.345124
NA	chr8:105661562-105661643	7.6634	2.2746	-1.7524	0.428553
Cdh3	chr8:106510912-106556908	0.1784	0.0127	-3.8116	0.318077
Gm16118	chr8:114698438-114708006	0.9216	0.0240	-5.2623	0.297153
Pkd1l2	chr8:116995678-117082449	0.0538	0.0328	-0.7132	0.650986
Gm26971	chr8:120520614-120521686	0.4830	0.0001	-12.2377	0.285591
1700018B08Rik	chr8:121530779-121544320	0.6107	0.0378	-4.0140	0.314704
Gm27854	chr8:123265778-123266005	3.6590	1.4620	-1.3235	0.387402
Gm22314	chr8:123523259-123523540	1.4544	1.0896	-0.4166	0.805278
Gm26002	chr8:128650996-128651103	5.0925	0.0001	-15.6361	0.285591
Gm26189	chr9:13275515-13275622	3.3102	3.1247	-0.0832	0.957508
Gm16302	chr9:14845612-14847835	1.8461	0.7927	-1.2196	0.542431
Mir199a-1	chr9:21496494-21496564	11.9497	3.7312	-1.6792	0.355354
Gm17545	chr9:22454289-22462062	5.6760	2.4389	-1.2186	0.585481
Gm16071	chr9:31094201-31094994	0.7440	0.0873	-3.0920	0.187198
Tmem45b	chr9:31426198-31464238	0.3294	0.0639	-2.3656	0.381570

Gm24188	chr9:35503587-35503695	3.0273	0.3953	-2.9368	0.349103
Gm20444	chr9:44107300-44108960	2.0556	0.1312	-3.9702	0.315088
Abcg4	chr9:44273187-44288615	0.1308	0.0322	-2.0215	0.423644
Mpzl2	chr9:45042424-45054015	0.2186	0.0973	-1.1674	0.466273
Pih1d2	chr9:50617320-50625000	0.1647	0.1504	-0.1319	0.932898
Sh2d7	chr9:54538983-54545020	0.1581	0.0288	-2.4549	0.387111
Rfpl3s	chr9:55962588-55980914	0.6689	0.0172	-5.2837	0.296956
Tmem202	chr9:59518685-59525501	0.4343	0.1280	-1.7620	0.439107
Mir5133	chr9:62122517-62122594	4.3703	0.7261	-2.5895	0.241277
Itga11	chr9:62677825-62783982	0.0680	0.0660	-0.0427	0.974431
Gm24347	chr9:64881783-64881925	2.8780	0.4654	-2.6287	0.373529
Ubap1l	chr9:65361059-65380377	0.2960	0.2577	-0.2001	0.919334
Gm23428	chr9:66360640-66360742	9.8829	0.7972	-3.6319	0.324734
Gm10647	chr9:66797038-66799074	0.4149	0.1640	-1.3394	0.555603
Gm9719	chr9:75098597-75099140	2.0071	0.1861	-4.3507	0.330268
Mei4	chr9:81863669-82206007	0.1546	0.0359	-2.1073	0.408189
Mst1r	chr9:107906888-107920383	0.0580	0.0139	-2.0586	0.428045
Gm24944	chr9:107987368-107987496	5.3213	0.6433	-3.0483	0.345147
Mir425	chr9:108568776-108568861	4.1669	4.8371	0.2152	0.877599
Gm24259	chr9:108738751-108738858	8.6572	0.0001	-16.4016	0.285591
Fam198a	chr9:121950987-121980208	0.1139	0.0421	-1.4375	0.378885
Gm14884	chrX:20459489-20459685	1.9461	0.0001	-14.2483	0.285591
Atp1b4	chrX:38316183-38336769	0.1428	0.0001	-10.4795	0.285591
Gpr119	chrX:48667978-48674478	0.1682	0.0901	-0.9005	0.634741
Gm14639	chrX:56155527-56156393	1.5766	0.0618	-4.6732	0.248993
Snord61	chrX:57391448-57391521	6.9297	0.5849	-3.5666	0.268501
F9	chrX:59999463-60030759	0.2094	0.0060	-5.1135	0.298305
Gm22287	chrX:60257551-60257658	4.8379	0.0001	-15.5621	0.285591
Fmr1nb	chrX:68761838-68804567	0.7270	0.0175	-5.3804	0.296192
Gm22843	chrX:78550745-78550879	8.8581	0.0987	-6.4877	0.267121
Gm14769	chrX:84063332-84063764	1.1983	0.0001	-13.5488	0.285591
Gm8876	chrX:88755573-88756695	0.3781	0.0119	-4.9926	0.233400
Eda	chrX:99975605-100400762	0.1119	0.0156	-2.8457	0.353068
Gm14843	chrX:101479347-101479559	3.3414	0.0001	-15.0282	0.285591
Gm9785	chrX:103525315-103526330	0.7531	0.2532	-1.5723	0.316045
Gm14984	chrX:130400956-130402219	0.3651	0.2506	-0.5429	0.666858
Gm15152	chrX:151005869-151006528	1.5849	0.6502	-1.2855	0.437782
Gm5060	chrX:154226500-154227099	1.0007	0.0001	-13.2888	0.285591
Gm15246	chrX:169320621-169368190	0.7043	0.2900	-1.2802	0.523427
Gm21887	chrX:170009658-170019281	0.8541	0.4745	-0.8481	0.386724
Grhl2	chr15:37233035-37363569	0.2129	0.0073	-4.8661	0.300860
Oc90	chr15:65876052-65912397	0.2851	0.0730	-1.9655	0.420717
Gm23747	chr15:75759858-75759989	3.1197	0.4733	-2.7204	0.362666
Enthd1	chr15:80452239-80560470	0.2601	0.0339	-2.9376	0.245131
Gm10923	chr15:85116828-85117290	1.1094	0.0871	-3.6702	0.255731
Gm15722	chr15:86087639-86090060	0.7387	0.3739	-0.9823	0.461638
Rabl2	chr15:89582532-89591923	0.1566	0.1426	-0.1346	0.933641
Gm25070	chr15:95879715-95879817	4.2737	1.0330	-2.0486	0.430277
A330009N23Rik	chr15:101221195-101224121	0.2768	0.3299	0.2536	0.813911
Krt7	chr15:101411042-101430313	0.1006	0.0070	-3.8408	0.318421
Mir148b	chr15:103285124-103285221	5.6026	1.4985	-1.9026	0.292098
Ppp1r1a	chr15:103530278-103537992	0.6102	0.2550	-1.2587	0.532756
Gm2897	chr14:3049284-3076840	0.2604	0.0071	-5.2041	0.163841
Gm3252	chr14:4726774-4747493	0.2508	0.0309	-3.0209	0.343350
Gm3383	chr14:5607619-5807982	0.2975	0.1922	-0.6303	0.576338
B230110C06Rik	chr14:15437622-15452423	0.2386	0.0001	-11.2206	0.285591
Gm6781	chr14:18531362-18532460	0.5956	0.3986	-0.5795	0.745996
Gm25328	chr14:20701522-20701629	4.3630	3.9532	-0.1423	0.909740
Dusp13	chr14:21733394-21751181	0.1751	0.0793	-1.1420	0.373835
Gm24031	chr14:26497654-26497785	4.3675	0.0001	-15.4145	0.285591
Gm23633	chr14:27380731-27380850	3.2053	4.6715	0.5434	0.726320
1700011H14Rik	chr14:49226357-49245428	0.4739	0.0859	-2.4632	0.378115
Olfir221	chr14:52035081-52036143	0.6158	0.0001	-12.5882	0.285591
Trav3-4	chr14:53776955-53777575	1.0345	0.3072	-1.7515	0.384132
Tgm1	chr14:55700008-55713492	0.1191	0.0143	-3.0586	0.183484
Gm26440	chr14:57697808-57697937	5.2800	0.7564	-2.8033	0.361622
Gata4	chr14:63198921-63271692	0.1770	0.0194	-3.1924	0.275388
NA	chr14:66937364-66938736	0.4568	0.0001	-12.1574	0.285591
Gm6254	chr14:122117937-122119009	0.4267	0.0153	-4.8044	0.271158
Gm15425	chr17:8564257-8568860	0.2024	0.0098	-4.3616	0.205089
Gm24794	chr17:12301035-12301175	4.8652	0.5591	-3.1214	0.342099

Gm7393	chr17:14941964-14942703	0.6936	0.1026	-2.7564	0.291175
Gm5224	chr17:22734962-22735380	1.0120	0.2063	-2.2946	0.391045
Gm22146	chr17:28446860-28447148	1.8921	1.6872	-0.1654	0.913444
Pi16	chr17:29318876-29329413	0.0875	0.0312	-1.4871	0.469305
Zfp811	chr17:32797405-32800938	0.4608	0.1844	-1.3209	0.548639
Gm26940	chr17:34024965-34025070	8.4854	1.2155	-2.8035	0.259875
Mir219a-1	chr17:34024982-34025092	6.1183	1.5587	-1.9727	0.286599
Btnl2	chr17:34354821-34369493	0.2650	0.1157	-1.1961	0.480690
Btnl4	chr17:34469041-34475937	0.4023	0.1572	-1.3562	0.512209
H2-BI	chr17:36080188-36084249	0.6036	0.0984	-2.6171	0.348093
Gm20478	chr17:36167981-36171805	0.5617	0.1613	-1.8002	0.182074
Gm20546	chr17:36248820-36253679	0.3751	0.0926	-2.0177	0.416141
Gm5093	chr17:46439577-46440099	0.6969	0.4579	-0.6060	0.637682
Mdfi	chr17:47815327-47834691	0.0882	0.0001	-9.7848	0.285591
Gm17168	chr17:57041774-57047143	1.0096	1.4675	0.5395	0.739336
Fer	chr17:63896017-64139494	0.1553	0.3707	1.2551	0.632469
Arhgap28	chr17:67842712-68004120	0.0558	0.0397	-0.4928	0.779095
Gm25069	chr17:78302660-78302746	3.1681	0.0001	-14.9513	0.285591
Tekt5	chr16:10357947-10395490	0.2263	0.0091	-4.6362	0.303717
Gm15558	chr16:10669247-10683539	0.5131	0.1830	-1.4871	0.488770
Gm24145	chr16:11167104-11167267	3.5327	0.6049	-2.5459	0.272260
Gm9961	chr16:11901362-11930600	1.2453	0.2525	-2.3022	0.386702
Pkp2	chr16:16213317-16272712	0.0640	0.0521	-0.2963	0.837058
Vpreb1	chr16:16868401-16870843	0.7624	0.2111	-1.8523	0.323173
Iglv1	chr16:19085016-19085460	1.2420	0.0377	-5.0403	0.299192
Gm4943	chr16:22053509-22053935	1.2152	0.2441	-2.3157	0.389185
Gp5	chr16:30307685-30310779	0.3847	0.1337	-1.5251	0.496005
Gm15575	chr16:38748728-38750309	0.2069	0.1753	-0.2387	0.899406
Gm4737	chr16:46152996-46155077	0.1646	0.1359	-0.2770	0.857041
Gm23513	chr16:52105014-52105147	4.0970	1.2738	-1.6854	0.451055
Gm15554	chr16:75772158-75773071	0.6840	0.5056	-0.4361	0.781736
Lca5l	chr16:96158406-96192257	0.0461	0.0142	-1.6960	0.460405
Tmprss2	chr16:97564683-97611195	0.0950	0.1108	0.2221	0.898238
Snord89	chr1:39548744-39548854	4.4382	4.6177	0.0572	0.951443
Col5a2	chr1:45374320-45503282	0.0484	0.0182	-1.4143	0.498069
Ccdc150	chr1:54250682-54368727	0.3257	0.0497	-2.7110	0.360381
Gm11609	chr1:60792489-60793832	0.5006	0.5906	0.2386	0.822174
Cyp27a1	chr1:74713573-74737890	0.2105	0.2803	0.4131	0.673711
Col4a4	chr1:82452557-82586849	0.1137	0.0267	-2.0897	0.407256
Pigr	chr1:130826683-130852249	0.0949	0.0502	-0.9192	0.637106
Il24	chr1:130882073-130887454	0.5408	0.0343	-3.9786	0.315489
Gm25549	chr1:131073657-131073751	6.6663	2.2978	-1.5366	0.482557
Lrrn2	chr1:132880272-132940005	0.1138	0.0001	-10.1520	0.285591
Plekha6	chr1:133246096-133303435	0.0807	0.0521	-0.6316	0.579986
Chit1	chr1:134111241-134151540	0.2102	0.0001	-11.0379	0.285591
Gm15850	chr1:136126177-136131183	0.2793	0.1237	-1.1746	0.553480
Gm25663	chr1:143778927-143779062	7.5652	0.9713	-2.9614	0.248362
Pla2g4a	chr1:149829617-149961290	0.0598	0.0214	-1.4802	0.494062
Tnn	chr1:160085035-160153580	0.0600	0.0538	-0.1580	0.922416
Dnm3os	chr1:162217622-162225550	0.0551	0.0042	-3.7125	0.321469
Fcrla	chr1:170917575-170927583	0.5465	0.1992	-1.4564	0.499105
Atp1a2	chr1:172271708-172298064	0.0885	0.0755	-0.2285	0.880160
Snora36b	chr1:185242906-185243038	2.2705	0.0001	-14.4707	0.285591
Prox1	chr1:190118037-190170680	0.1689	0.0488	-1.7916	0.422323
1700123101Rik	chr19:6184387-6224225	0.3321	0.0001	-11.6976	0.285591
Fads2	chr19:10064163-10101503	0.3072	0.0792	-1.9553	0.421401
Apba1	chr19:23758875-23949597	0.0453	0.0601	0.4089	0.783267
Pip5k1bos	chr19:24416008-24430329	0.6772	0.2313	-1.5501	0.478114
Kazald1	chr19:45075240-45079289	0.3159	0.3117	-0.0192	0.986281
Gm8974	chr19:46205379-46205858	0.9670	0.6001	-0.6884	0.698097
Gm24724	chr19:53159756-53159863	9.6757	0.4275	-4.5003	0.305395
Adrb1	chr19:56722371-56724862	0.2741	0.1793	-0.6126	0.582737
Gm21747	chr18:10781722-10785883	0.6898	0.7682	0.1553	0.909827
Psm8	chr18:14706150-14762299	0.7125	0.0594	-3.5855	0.228140
Gm4835	chr18:15988367-15989339	0.4153	0.3383	-0.2957	0.851725
Myo7b	chr18:31959233-32036961	0.0865	0.0001	-9.7568	0.285591
Gm22814	chr18:33004662-33004766	5.5014	1.3878	-1.9870	0.421604
Gm3550	chr18:34736358-34738014	0.2104	0.0205	-3.3580	0.290373
Gm22791	chr18:46985336-46985481	5.6369	0.1122	-5.6502	0.294368
Pdgfrb	chr18:61045149-61085061	0.1045	0.0097	-3.4228	0.331216
Afap111	chr18:61730260-61786702	0.4051	0.0873	-2.2137	0.336370

Snord58b	chr18:75001057-75001123	7.4304	1.1396	-2.7049	0.362024
Hsbp1l1	chr18:80229757-80247102	0.3656	0.0472	-2.9529	0.317008
Itih2	chr2:10094592-10131396	0.3042	0.0050	-5.9254	0.292664
Mir467c	chr2:10473930-10474027	5.0558	0.1363	-5.2129	0.297615
Mir669g	chr2:10477149-10477272	5.5675	0.9917	-2.4891	0.298192
Gm25451	chr2:10480364-10480485	3.3775	0.4920	-2.7791	0.355901
Mir467b	chr2:10481247-10481320	8.2107	0.3779	-4.4415	0.306760
Gm25753	chr2:10502390-10502511	4.2781	1.1677	-1.8734	0.436967
Mir669a-12	chr2:10503786-10503883	4.4940	0.0001	-15.4557	0.285591
Gm22051	chr2:10506554-10506681	4.7196	3.4923	-0.4345	0.828630
Gm25263	chr2:10509884-10509984	4.3592	1.5491	-1.4927	0.485713
Gm22239	chr2:10510460-10510563	8.6502	0.1340	-6.0127	0.198635
Mir466n	chr2:10513740-10513834	5.5069	0.0001	-15.7490	0.285591
Mir669i	chr2:10517603-10517730	3.4325	2.1671	-0.6635	0.749141
Gm13333	chr2:18758983-18759764	0.5931	0.3002	-0.9823	0.609980
Gm22572	chr2:25208622-25208727	4.4461	4.3462	-0.0328	0.981751
Gm13554	chr2:26059009-26060275	1.2891	0.8079	-0.6741	0.726367
Aif1l	chr2:31950259-31973442	0.0767	0.0879	0.1962	0.911052
Gm13442	chr2:31961689-31962547	0.4521	0.0001	-12.1425	0.285591
Gm13406	chr2:34436326-34436582	2.7958	0.1271	-4.4589	0.152996
Gm22867	chr2:44428934-44429043	5.2490	0.0001	-15.6798	0.285591
Mir5129	chr2:45023099-45023177	3.8423	2.3300	-0.7216	0.723206
Gm13510	chr2:49185017-49185446	1.2702	0.7882	-0.6884	0.681572
Gm25223	chr2:49906770-49906880	4.2106	0.8870	-2.2470	0.407349
Tbr1	chr2:61802929-61814114	0.1047	0.0186	-2.4903	0.158603
Gm25960	chr2:72950862-72950987	4.7951	1.8764	-1.3536	0.525870
Osbp16	chr2:76406507-76600647	0.0550	0.0211	-1.3817	0.510794
Gm4735	chr2:80837126-80838762	0.1797	0.1287	-0.4815	0.772789
Gm17281	chr2:91250742-91255995	0.1199	0.0256	-2.2286	0.366633
Snord67	chr2:91596069-91596180	3.7149	0.5037	-2.8827	0.212787
4930500J02Rik	chr2:104559162-104571429	0.2589	0.0176	-3.8816	0.317695
Gm13982	chr2:117414391-117417697	0.5775	0.0432	-3.7415	0.321469
NA	chr2:127269708-127270032	1.1773	0.2228	-2.4016	0.382276
Ebf4	chr2:130295168-130370481	0.1348	0.0202	-2.7385	0.365429
Gm14042	chr2:130400436-130401269	0.3926	0.4376	0.1565	0.942403
Tmem239	chr2:130406477-130407899	0.3597	0.0940	-1.9360	0.429445
Gm14104	chr2:132845998-132847256	1.0715	0.8184	-0.3887	0.813402
MacroD2	chr2:140395308-142392966	0.0371	0.0135	-1.4622	0.499988
Gm11701	chr2:144364126-144365627	0.6919	0.1713	-2.0140	0.429825
Gm22731	chr2:145352842-145352936	4.9273	0.7678	-2.6821	0.362872
Gm14150	chr2:151458955-151460309	0.6353	0.0446	-3.8324	0.284338
Rspo4os	chr2:151865314-151866960	0.4680	0.1226	-1.9326	0.422183
Gm14238	chr2:155486046-155486369	2.4462	0.0428	-5.8371	0.293260
Fer1l4	chr2:156019138-156052947	0.0949	0.0243	-1.9665	0.426428
Gm11447	chr2:160845612-160846470	0.7871	0.3886	-1.0181	0.591247
L3mbt1l	chr2:162943471-162974522	0.1560	0.0764	-1.0309	0.602322
Sipi	chr2:164354069-164389095	0.2541	0.6328	1.3164	0.204541
Ppp1r3d	chr2:178411205-178414472	0.2357	0.0101	-4.5511	0.107964
4933429H19Rik	chr3:30793137-30793560	1.2709	1.0545	-0.2693	0.801139
Ccdc144b	chr3:36007246-36053547	0.1050	0.0069	-3.9363	0.141738
Fgf2os	chr3:37335331-37349740	0.2081	0.2128	0.0325	0.985282
Gm23077	chr3:104201109-104201225	7.2809	1.3670	-2.4131	0.391153
Cttnbp2nl	chr3:105001914-105053146	0.0818	0.0231	-1.8267	0.440946
Gm17494	chr3:122257090-122293547	0.9309	0.4463	-1.0605	0.313237
Mir760	chr3:122293584-122293703	6.6395	0.2222	-4.9013	0.300675
Gm15460	chr3:137905008-137905399	1.6027	0.2704	-2.5671	0.378192
Gm11874	chr4:16120758-16120888	3.5628	0.9070	-1.9739	0.423117
Gm11941	chr4:32892685-32893295	0.4467	0.1227	-1.8648	0.436093
Gm11935	chr4:33452490-33452889	1.4820	1.1709	-0.3399	0.776429
Gm12397	chr4:40912740-40913355	0.7975	0.1439	-2.4707	0.377024
Mir3094	chr4:40993694-40993758	5.2579	3.4232	-0.6191	0.698045
Gm24837	chr4:41211501-41211582	11.3633	1.6940	-2.7459	0.345013
Gm12472	chr4:43588071-43608755	0.4303	0.0748	-2.5233	0.376383
Gm12503	chr4:44092631-44109311	0.1892	0.0952	-0.9902	0.477707
Gm12409	chr4:45762376-45764223	1.1171	0.5023	-1.1531	0.422547
4933430I17Rik	chr4:62525368-62547993	0.3974	0.1232	-1.6893	0.460257
Gm12418	chr4:84915895-84916837	0.4050	0.2318	-0.8049	0.679904
Gm13282	chr4:88707908-88708453	0.9499	0.4595	-1.0478	0.611753
Cyp2j13	chr4:96027533-96077546	0.0640	0.0161	-1.9878	0.422128
Gm25827	chr4:108521923-108522030	3.3996	3.7603	0.1455	0.916465
Gm23743	chr4:109160923-109161197	1.1933	0.2517	-2.2450	0.407525

4930538K18Rik	chr4:119205106-119218217	0.4702	0.2919	-0.6878	0.586571
Gm12891	chr4:122925832-122926072	1.3378	1.3324	-0.0058	0.997123
Gm25600	chr4:127108465-127108571	6.6827	1.7449	-1.9373	0.422950
Spocd1	chr4:129947546-129957115	0.1343	0.0001	-10.3913	0.285591
Gm25707	chr4:132408308-132408404	4.8246	3.1949	-0.5946	0.727307
NA	chr4:133527730-133529326	0.4269	0.0370	-3.5268	0.325830
Gm22523	chr4:133883398-133883498	4.9041	1.0102	-2.2793	0.398755
C1qc	chr4:136889803-136893065	0.2400	0.0580	-2.0487	0.417251
Gm23834	chr4:137025683-137025812	5.2800	0.2522	-4.3879	0.307618
Ubxn10	chr4:138709836-138737167	0.1075	0.0001	-10.0708	0.285591
Tmem82	chr4:141613375-141618633	0.1230	0.0909	-0.4361	0.792595
Tmem51os1	chr4:142083971-142088099	0.0766	0.0390	-0.9731	0.602977
Gm13231	chr4:145641356-145644399	0.3156	0.0142	-4.4729	0.305610
Gm21411	chr4:146892405-146909590	0.4723	0.1890	-1.3213	0.520184
Gm26624	chr4:147136277-147457019	0.1013	0.1423	0.4906	0.823061
Gm13207	chr4:148031553-148032326	1.6538	0.2429	-2.7671	0.304206
Ube4bos2	chr4:149338086-149338531	1.1174	0.5483	-1.0270	0.596646
Gm16024	chr4:155616408-155616787	3.4363	2.2698	-0.5983	0.685784
Sash1	chr10:8722218-8886070	0.0179	0.0796	2.1495	0.340337
Oit3	chr10:59422957-59441778	0.0643	0.1980	1.6230	0.310356
Lrrc75b	chr10:75550124-75560330	0.0419	0.0538	0.3612	0.849426
Gm16220	chr10:75992690-75993992	0.0001	0.3264	11.6722	0.436588
Aire	chr10:78030021-78043610	0.0555	0.0725	0.3841	0.769358
Madcam1	chr10:79664573-79668536	0.0001	0.1215	10.2464	0.389106
Gm22721	chr10:80382301-80382384	1.2421	10.7285	3.1106	0.087315
D630029K05Rik	chr10:116964706-116969105	0.0315	0.2316	2.8769	0.008553
Gm20492	chr10:127288513-127289681	0.5227	1.4375	1.4595	0.298125
Apon	chr10:128254130-128255901	0.0001	0.4342	12.0841	0.165644
Gm26347	chr10:128435913-128436044	0.4891	6.0891	3.6380	0.002866
Gm12035	chr11:20574566-20575189	0.0001	0.3560	11.7975	0.198247
Acyp2	chr11:30505990-30649587	0.2228	0.7247	1.7018	0.201412
Gm12104	chr11:30906941-30907920	0.2227	0.5712	1.3588	0.346626
Sh3pxd2b	chr11:32347819-32428173	0.0157	0.0242	0.6208	0.726360
Wwc1	chr11:35838399-35980527	0.0173	0.0712	2.0393	0.156074
Gm12184	chr11:48825345-48826655	0.0653	0.2948	2.1745	0.220786
Rps2-ps4	chr11:53645743-53646376	0.1874	0.4310	1.2019	0.504471
Gm12253	chr11:58432558-58441622	0.0001	0.1583	10.6280	0.391660
Rasd1	chr11:59963180-59964944	0.0531	0.3309	2.6392	0.108638
Dnah2	chr11:69420808-69549110	0.0001	0.0137	7.0968	0.388624
Tnk1	chr11:69851004-69858730	0.0578	0.2291	1.9864	0.076986
Bcl6b	chr11:70224127-70229798	0.0001	0.1174	10.1969	0.201194
Zmynd15	chr11:70459432-70466202	0.0098	0.2009	4.3593	0.048518
Z210008F06Rik	chr11:77489853-77491409	0.0001	0.3212	11.6492	0.079860
Rab11fip4os2	chr11:79670371-79675128	0.1480	0.3487	1.2358	0.494454
Gm22311	chr11:83764637-83764747	2.4567	1.6448	-0.5789	0.658626
NA	chr11:87471367-87471581	0.4990	2.6750	2.4224	0.078774
Gm11592	chr11:97280127-97282897	0.0001	1.1486	13.4876	0.019416
Arhgap23	chr11:97415532-97502402	0.0001	0.0454	8.8272	0.062090
Gm11633	chr11:97968791-97969235	0.0963	0.8311	3.1096	0.385961
Gm23451	chr11:99017030-99017152	0.0001	3.8296	15.2249	0.141887
Rnu2-10	chr11:101658237-101658428	1.0063	1.9185	0.9310	0.458979
Mdk-ps1	chr11:102545701-102546022	0.0001	0.4958	12.2757	0.385043
Wipi1	chr11:109573330-109611967	0.0310	0.1681	2.4394	0.095870
Kif19a	chr11:114765387-114790739	0.0316	0.1495	2.2424	0.190736
Fn3k	chr11:121434912-121450491	0.0195	0.0509	1.3839	0.502458
Gm12586	chr11:121856772-121861227	0.0163	0.4169	4.6745	0.153839
Gm25821	chr12:21287926-21288059	1.4174	4.4218	1.6414	0.176147
Fam110c	chr12:31073967-31079937	0.0606	0.1098	0.8583	0.480841
Gm5434	chr12:36090378-36091829	0.2916	0.3556	0.2863	0.673689
Stxbp6	chr12:44852487-45074493	0.0221	0.1479	2.7427	0.305484
Gm24233	chr12:59134071-59134193	1.8952	3.9234	1.0498	0.334342
Smoc1	chr12:81026807-81186414	0.0001	0.1399	10.4506	0.436588
Hspe1-ps2	chr12:81399811-81400123	0.7183	0.5278	-0.4446	0.813401
Flrt2	chr12:95692225-95785215	0.0056	0.1162	4.3671	0.246480
Ppp4r4	chr12:103532564-103613832	0.0349	0.1865	2.4182	0.081607
Gm17032	chr12:106327367-106330821	0.3160	1.0134	1.6813	0.213798
Meg3	chr12:109541000-109571726	0.0072	0.0278	1.9534	0.224160
Mirg	chr12:109729763-109749460	0.0001	0.0947	9.8872	0.094491
A230087F16Rik	chr12:111284761-111293988	0.0564	0.0916	0.7004	0.626934
Tmem121	chr12:113185902-113189520	0.2560	0.2294	-0.1581	0.875414
Igha	chr12:113258767-113260236	0.0621	0.6882	3.4712	0.368421

Ighd4-1	chr12:113430527-113430538	13.5882	34.2635	1.3343	0.342243
Ighv8-12	chr12:115647960-115648361	0.0001	0.6712	12.7126	0.436588
Gm16710	chr12:115802647-115803080	0.0001	0.4557	12.1540	0.436588
Vdac3-ps1	chr13:18030323-18031629	0.2590	0.2262	-0.1953	0.865737
Amph	chr13:18948370-19150913	0.0001	0.0978	9.9340	0.229798
Tcrg-V1	chr13:19340015-19340454	0.1847	1.7130	3.2132	0.125112
Gm5446	chr13:19995020-19995803	0.0001	0.5363	12.3887	0.009916
AK157302	chr13:21495222-21497146	0.0001	0.3604	11.8155	0.037064
AK157302	chr13:21495305-21495695	0.0001	1.7439	14.0900	0.037058
Gmpr	chr13:45507443-45546382	0.0458	0.2306	2.3333	0.171455
Omd	chr13:49582765-49592609	0.0001	0.2668	11.3818	0.085441
Hist1h2al	chr13:51202687-51203065	0.4579	1.4472	1.6602	0.088753
6720489N17Rik	chr13:62605189-62607499	0.0001	1.9416	14.2450	0.212181
Ahrr	chr13:74211117-74292331	0.0070	0.0879	3.6565	0.097098
Gm8546	chr13:89577154-89578413	0.0001	0.6402	12.6442	0.156003
Gm17450	chr13:91220451-91220878	0.2162	1.1258	2.3803	0.260881
Lhfp12	chr13:94057795-94195409	0.0001	0.0667	9.3808	0.028254
Gareml	chr5:30105160-30118378	0.0001	0.1622	10.6638	0.127734
Gm10059	chr5:33759365-33759536	0.9086	1.8926	1.0586	0.411273
Gm15650	chr5:35722554-35724485	0.4662	0.6307	0.4362	0.657573
Gm25767	chr5:36671657-36671781	0.5704	5.7009	3.3211	0.027226
Gm5867	chr5:69461150-69461741	0.0362	1.5154	5.3864	0.112795
Ppof2	chr5:92226973-92253159	0.0470	0.1765	1.9074	0.222640
Cxcl9	chr5:92321330-92328079	0.0001	0.0683	9.4163	0.436588
Cxcl11	chr5:92359543-92365485	0.0001	0.0427	8.7379	0.376461
Gm2986	chr5:93195797-93196179	0.9221	1.5758	0.7731	0.490570
4930458D05Rik	chr5:100840796-100847167	0.0001	0.1977	10.9488	0.120005
Gm15788	chr5:110262160-110277267	0.0918	0.5720	2.6387	0.234470
Dao	chr5:114003702-114025449	0.0177	0.2132	3.5933	0.129726
Fam222a	chr5:114568015-114613220	0.0613	0.1846	1.5911	0.133901
Gm13827	chr5:115053420-115053846	0.2162	1.6104	2.8968	0.098465
Gm10399	chr5:117318744-117319242	0.0430	1.3165	4.9369	0.160664
Rph3a	chr5:120940501-121009518	0.0001	0.0496	8.9542	0.340164
Gm15860	chr5:123334331-123344437	0.1600	0.6910	2.1106	0.236463
Pitpnm2os1	chr5:124229724-124237137	0.1057	0.3971	1.9098	0.174460
Gm23171	chr5:124257762-124258026	0.4854	2.7967	2.5265	0.406125
Mmp17	chr5:129584168-129608875	0.0293	0.1660	2.5045	0.116946
Cldn4	chr5:134945125-134946934	0.0620	0.1533	1.3051	0.488282
Gm15607	chr5:135637138-135637496	0.0783	2.0379	4.7011	0.105760
Styx1	chr5:135747219-135778385	0.0484	0.3769	2.9625	0.119738
Cldn15	chr5:136966615-136975858	0.0504	0.3192	2.6639	0.198726
Serpine1	chr5:137061503-137072272	0.0001	0.2322	11.1814	0.011956
A630081J09Rik	chr5:137208812-137212389	0.0569	0.4029	2.8249	0.017067
Fam20c	chr5:138754513-138810077	0.0001	0.1264	10.3040	0.243025
Gm15411	chr5:148995650-149015813	0.0681	0.1660	1.2863	0.321477
Gm15408	chr5:149006961-149012776	0.0749	0.1595	1.0914	0.461799
Gm9047	chr6:29471436-29473465	0.1599	1.0652	2.7360	0.082102
Strip2	chr6:29917012-29959681	0.0165	0.0796	2.2733	0.174406
Gm25580	chr6:30143800-30144127	0.7118	1.2587	0.8224	0.351281
Cpa2	chr6:30541581-30564476	0.0400	0.1564	1.9676	0.201349
Gm13834	chr6:31087608-31087912	1.6179	5.7352	1.8258	0.263822
Gm13858	chr6:34379466-34380445	0.0001	0.2455	11.2614	0.316607
2010107G12Rik	chr6:34945277-34979054	0.0309	0.1962	2.6666	0.117036
Ttc26	chr6:38381468-38427647	0.0367	0.0447	0.2868	0.855477
Tas2r108	chr6:40493591-40494485	0.0001	0.1843	10.8477	0.316607
Zfp786	chr6:47819265-47830867	0.0469	0.1196	1.3489	0.359249
Gm15572	chr6:52843108-52843701	0.0001	0.7357	12.8450	0.078549
Igkv14-111	chr6:68256403-68256869	0.5445	1.9428	1.8351	0.258483
Gm25436	chr6:68257393-68257538	1.0309	2.0118	0.9645	0.571869
Igkv5-39	chr6:69900423-69900710	0.0001	5.4824	15.7425	0.234527
Igkv3-4	chr6:70671788-70672377	0.0001	0.7362	12.8459	0.436588
Egr4	chr6:85511130-85513589	0.0794	0.1503	0.9216	0.539661
Gm9769	chr6:85843868-85845372	0.0285	0.3385	3.5705	0.075261
Asprv1	chr6:86628173-86629702	0.0001	0.1503	10.5539	0.211629
Ccdc37	chr6:90403735-90428797	0.0056	0.0757	3.7458	0.166039
Pdzrn3	chr6:101149608-101377897	0.0001	0.0717	9.4850	0.136152
1700015O11Rik	chr6:113631644-113633144	0.2193	0.4868	1.1506	0.488660
Ret	chr6:118151747-118197744	0.0030	0.0538	4.1609	0.268155
Cecr2	chr6:120666368-120771190	0.0001	0.0518	9.0169	0.033966
Gm5883	chr6:123218952-123219447	0.1683	0.6591	1.9694	0.107267
Ltbr	chr6:125306570-125313885	0.0239	0.3946	4.0452	0.056566

Clec2f	chr6:129018581-129020519	0.3486	0.4792	0.4590	0.797383
Gprc5a	chr6:135065650-135084709	0.0514	0.3028	2.5598	0.270340
1700034J05Rik	chr6:146950328-146954422	0.0569	0.1585	1.4775	0.410981
Gm6288	chr6:147442801-147476046	0.0738	0.5667	2.9402	0.125418
Rps4l	chr6:148354655-148355598	0.0001	0.7341	12.8418	0.351476
Gm10011	chr6:149147518-149147865	0.4952	1.5132	1.6114	0.401095
Cox6b2	chr7:4751791-4753094	0.0001	0.4108	12.0041	0.154289
Gm4879	chr7:13178902-13180174	0.0337	0.3475	3.3674	0.180349
Ppp1r13l	chr7:19359748-19378533	0.0001	0.0650	9.3435	0.309853
A930016O22Rik	chr7:19418811-19421417	0.0177	0.5170	4.8692	0.046468
Pvrl2	chr7:19716643-19749573	0.0001	0.1531	10.5798	0.147711
Ltbp4	chr7:27305135-27337692	0.0170	0.0934	2.4616	0.027421
Hipk4	chr7:27523266-27531175	0.0001	0.0734	9.5205	0.090561
Spred3	chr7:29158828-29169841	0.0694	0.1095	0.6575	0.381993
Ppp1r14a	chr7:29289319-29293390	0.0001	0.3848	11.9100	0.340164
Thap8	chr7:30280093-30290237	0.0903	0.5085	2.4938	0.124142
Gm26526	chr7:39588517-39591679	0.0170	0.0886	2.3855	0.298489
Gm2058	chr7:39588930-39589717	0.0895	0.4107	2.1977	0.339808
Igln5	chr7:43472906-43490075	0.0001	0.1135	10.1481	0.163738
Klk1b9	chr7:43976060-43980376	0.0737	1.0261	3.7988	0.283652
Gm15396	chr7:44579967-44590624	0.0001	0.4127	12.0109	0.080212
Fcgrt	chr7:45092992-45103822	0.0984	0.3553	1.8524	0.223646
Mir150	chr7:45121756-45121821	1.2929	9.2952	2.8458	0.167253
Syng4	chr7:45885221-45896714	0.0854	0.5300	2.6332	0.115039
A830073O21Rik	chr7:73738892-73740917	0.0136	0.3991	4.8799	0.125188
Gm10161	chr7:75366054-75366264	0.3051	1.3330	2.1271	0.183517
Tenn4	chr7:96171243-96911093	0.0001	0.0120	6.9094	0.212662
Gm5900	chr7:104949175-104950441	0.0338	0.1253	1.8894	0.570589
Gm8989	chr7:106328924-106330688	0.0001	0.3737	11.8677	0.159726
Gm15994	chr7:113324257-113324659	0.0001	1.3335	13.7030	0.112270
Gm14388	chr7:122442022-122442499	0.0001	1.8282	14.1581	0.147913
D830044I16Rik	chr7:126971719-126976098	0.0797	0.3149	1.9825	0.241193
Dpysl4	chr7:139086000-139102704	0.0001	0.0249	7.9601	0.370931
Sprn	chr7:140150627-140154877	0.0317	0.1013	1.6745	0.367727
Cd163l1	chr7:140218266-140231145	0.0125	0.1342	3.4288	0.112315
Olfr60	chr7:140345051-140345987	0.1370	0.7213	2.3967	0.133051
Gm15580	chr7:143596438-143596994	0.0001	0.9885	13.2711	0.205941
Mcemp1	chr8:3665761-3668905	0.0190	0.4613	4.6044	0.094607
1700041G16Rik	chr8:22808274-22808732	0.0467	1.4707	4.9763	0.030473
Asb5	chr8:54550330-54587836	0.0812	0.2570	1.6614	0.396084
Rasd2	chr8:75213943-75224113	0.0001	0.0855	9.7404	0.180700
2210011C24Rik	chr8:84010229-84011442	0.1810	0.7436	2.0385	0.029872
9430002A10Rik	chr8:88174559-88175028	0.4099	0.7145	0.8019	0.548757
Mt3	chr8:94152606-94154148	0.0001	0.4251	12.0536	0.212221
Ces2b	chr8:104831571-104840093	0.0001	0.0696	9.4427	0.271892
Gm27956	chr8:105333887-105334119	0.6671	0.7592	0.1866	0.918815
Rps18-ps3	chr8:107262816-107263248	0.1757	0.9417	2.4225	0.063496
Bcar1	chr8:111710484-111743849	0.0001	0.1364	10.4136	0.048964
1700030J22Rik	chr8:116969598-116978943	0.0460	0.1803	1.9719	0.197518
6430548M08Rik	chr8:120114151-120165306	0.0289	0.0790	1.4511	0.218802
Cdh15	chr8:122848373-122867397	0.0384	0.3066	2.9962	0.047363
Pard3	chr8:127063892-127612286	0.0001	0.0325	8.3461	0.092506
Mmp13	chr9:7272513-7283333	0.0001	0.1250	10.2879	0.204100
Mmp10	chr9:7502351-7510238	0.0001	0.3843	11.9079	0.070771
Muc16	chr9:18495454-18512885	0.0001	0.5129	12.3243	0.180249
Gm22060	chr9:32446821-32446928	2.2366	2.0313	-0.1389	0.925725
Tecta	chr9:42329618-42399929	0.0001	0.0245	7.9373	0.274620
4930550C14Rik	chr9:53405285-53432803	0.0001	0.2405	11.2316	0.120073
Gm22304	chr9:53639976-53640105	2.0492	4.6158	1.1715	0.313682
Cib2	chr9:54544793-54560218	0.0150	0.3297	4.4580	0.234421
Igdcc4	chr9:65101485-65137940	0.0001	0.0521	9.0264	0.208253
Gm25313	chr9:65196571-65196687	0.0001	11.8712	16.8571	0.192350
Gm3436	chr9:70852575-70853418	0.0001	1.0217	13.3187	0.006169
4930542C12Rik	chr9:78394955-78396158	0.1794	0.2767	0.6248	0.472938
Ngp	chr9:110419749-110423010	0.0001	1.1382	13.4745	0.181037
Prss50	chr9:110857966-110864628	0.1175	0.2906	1.3065	0.390145
Dlec1	chr9:119102477-119148246	0.0033	0.0651	4.3070	0.189811
Ccdc120	chrX:7731713-7750905	0.0001	0.0318	8.3140	0.436588
Slc25a43	chrX:36743658-36777202	0.1039	0.2818	1.4391	0.288602
Xlr3a	chrX:73086292-73097095	0.0001	0.0589	9.2021	0.436588
Gm15379	chrX:75458811-75459459	0.0660	0.3682	2.4800	0.208452

Awat2	chrX:100402220-100442717	0.0403	0.1901	2.2387	0.163404
Gm6285	chrX:104947784-104948282	0.0992	0.7123	2.8437	0.082183
Gm14857	chrX:106281911-106285096	0.0068	0.0863	3.6648	0.212496
Dach2	chrX:113297509-113836386	0.0001	0.0429	8.7435	0.225791
Mdm4-ps	chrX:128261410-128267924	0.0034	0.1164	5.1070	0.018167
Syt4	chrX:133936384-133981812	0.0001	0.0745	9.5414	0.062265
Mir3112	chrX:134075315-134075397	0.0001	5.6168	15.7775	0.144471
Bex2	chrX:136066563-136068236	0.1183	0.2381	1.0084	0.570842
Gm15009	chrX:136802911-136803233	0.1327	1.1492	3.1142	0.231106
Gm15267	chrX:152043048-152043512	0.0001	0.3418	11.7390	0.436588
Mageh1	chrX:153036165-153037563	0.0612	0.4436	2.8579	0.108499
Scml2	chrX:161117192-161258213	0.0106	0.1150	3.4348	0.075057
Gm6576	chr15:27025385-27026207	0.3379	0.3698	0.1301	0.866096
Ly6i	chr15:74979811-74983430	0.0001	0.4779	12.2226	0.149674
Tssk5	chr15:76371957-76374938	0.0643	0.5270	3.0350	0.118223
Gm22951	chr15:99368028-99368135	0.9979	3.0908	1.6310	0.242255
Gm9763	chr15:99898286-99898556	0.0001	1.0729	13.3893	0.300382
5430421N21Rik	chr15:101485130-101491512	0.0349	0.4415	3.6611	0.114697
2610042L04Rik	chr14:4334762-4354687	0.0001	0.4740	12.2107	0.017278
Gm8281	chr14:5071039-5093318	0.0219	0.2918	3.7377	0.055066
Gm3248	chr14:5939224-5961745	0.0001	0.1940	10.9220	0.159384
Gm3411	chr14:6090976-6287250	0.0001	0.3862	11.9151	0.057227
Plau	chr14:20836661-20843388	0.0001	0.3208	11.6474	0.101733
Gm26660	chr14:25355800-25378635	0.0085	0.2422	4.8330	0.174867
Gm24916	chr14:31015147-31015226	1.8921	5.5588	1.5548	0.244642
Sncg	chr14:34370273-34374789	0.0001	0.1707	10.7372	0.436588
Mmrn2	chr14:34375503-34404287	0.0001	0.1219	10.2512	0.052234
Samd4	chr14:46882853-47105817	0.0001	0.0704	9.4600	0.002220
Trav3-1	chr14:52580706-52581213	0.4359	1.0612	1.2838	0.342354
Trav13-4-dv7	chr14:53757355-53757920	0.1669	2.2856	3.7754	0.004131
Traj61	chr14:54155004-54155076	0.0001	2.6540	14.6959	0.333356
Traj59	chr14:54156132-54156196	0.0001	3.0809	14.9111	0.244321
Traj50	chr14:54167589-54167652	3.5571	11.3871	1.6786	0.152467
Nynrin	chr14:55854035-55874735	0.0030	0.1161	5.2878	0.078158
Gm26751	chr14:55864310-55874735	0.0051	0.0630	3.6175	0.245580
3110083C13Rik	chr14:57999322-58003695	0.1498	0.4604	1.6201	0.232266
Bmp1	chr14:70474556-70520260	0.1779	0.0733	-1.2796	0.074340
Siah3	chr14:75455981-75526141	0.2124	0.5557	1.3872	0.430402
Pou4f1	chr14:104462319-104467991	0.0001	0.0796	9.6364	0.114931
Timm8a2	chr14:122034673-122038420	0.0469	0.2027	2.1125	0.549414
Ccdc154	chr17:25162460-25171913	0.0244	0.2397	3.2954	0.273434
Mir3547	chr17:25245540-25245650	0.0001	6.0800	15.8918	0.022999
Syngap1	chr17:26941451-26970645	0.0001	0.1165	10.1856	0.057026
Gm23442	chr17:35162562-35162696	1.6266	5.7001	1.8091	0.198940
H2-Q1	chr17:35320404-35325099	0.0076	0.0867	3.5176	0.215079
Gm20429	chr17:37246960-37263064	0.0641	0.1641	1.3558	0.568087
H2-M2	chr17:37480850-37483552	0.0827	0.3609	2.1257	0.113433
Prickle4	chr17:47688516-47694736	0.0001	0.3811	11.8961	0.081268
Gm16276	chr17:56014282-56014544	0.4076	2.6901	2.7224	0.087510
Sema6b	chr17:56123084-56140343	0.0001	0.0696	9.4424	0.138590
C3	chr17:57203969-57228136	0.0292	0.1366	2.2274	0.029425
Emr1	chr17:57358685-57483529	0.0001	0.2852	11.4777	0.081707
4930583I09Rik	chr17:64832522-64836071	0.3461	0.8672	1.3254	0.392147
Myom1	chr17:71019520-71126856	0.0001	0.1326	10.3734	0.047662
Gm17538	chr17:77674375-77674702	0.0654	1.4865	4.5065	0.046588
Abcg8	chr17:84676301-84700333	0.0058	0.1283	4.4688	0.114899
Myh11	chr16:14194526-14291408	0.0001	0.0966	9.9161	0.012843
Igic2	chr16:19198400-19200351	0.0001	1.4417	13.8154	0.122493
Snord66	chr16:20684238-20684313	0.0001	6.9096	16.0763	0.085243
Gm6467	chr16:21896505-21897116	0.2651	0.8890	1.7455	0.078998
Slc51a	chr16:32475521-32487879	0.2377	0.2746	0.2079	0.829566
Muc13	chr16:33794036-33819934	0.0001	0.1980	10.9516	0.088905
Eaf2	chr16:36792883-36875003	0.0001	0.0969	9.9196	0.203111
Maats1	chr16:38297753-38342143	0.0001	0.2084	11.0253	0.292604
Phldb2	chr16:45746242-45953598	0.0086	0.0718	3.0683	0.152274
D430001F17Rik	chr16:91931236-91962915	0.0805	0.2604	1.6927	0.226968
C030010L15Rik	chr16:97994600-97997419	0.2689	1.1518	2.0989	0.081147
Stau2	chr1:16228673-16520112	0.0159	0.0966	2.6013	0.132396
Vwa3b	chr1:37026595-37076996	0.0222	0.1558	2.8108	0.217489
Il1r1	chr1:40225079-40316198	0.0297	0.1438	2.2769	0.298978
Hecw2	chr1:53806881-54195168	0.0117	0.0342	1.5546	0.117588

Speg	chr1:75375296-75432320	0.0190	0.0259	0.4456	0.725147
Fbxo36	chr1:84839840-84900487	0.0399	0.2273	2.5113	0.120416
Nmur1	chr1:86386241-86388162	0.0809	0.3845	2.2493	0.140295
Chrng	chr1:87205810-87211835	0.0001	0.3574	11.8035	0.024010
Ugt1a10	chr1:88055387-88219004	0.0284	0.3905	3.7834	0.149163
Ugt1a9	chr1:88070799-88218997	0.0294	0.4042	3.7836	0.149163
Ugt1a8	chr1:88087812-88219004	0.0289	0.3975	3.7835	0.149163
Ugt1a5	chr1:88166011-88218997	0.0292	0.4018	3.7835	0.149163
Ugt1a2	chr1:88200600-88218997	0.0291	0.4077	3.8098	0.139927
Ugt1a1	chr1:88211958-88218997	0.0289	0.3980	3.7835	0.149163
Gm26683	chr1:91297202-91304405	0.0001	1.0673	13.3817	0.063142
Ankmy1	chr1:92870128-92902906	0.0461	0.2050	2.1511	0.049904
Ano7	chr1:93373895-93403502	0.0001	0.1007	9.9764	0.129630
Tmem37	chr1:120067376-120074074	0.0001	0.1505	10.5555	0.244321
Chil1	chr1:134182175-134190181	0.0382	0.1524	1.9975	0.354347
NA	chr1:150264924-150266056	0.0001	0.2497	11.2860	0.237588
Rgs8	chr1:153653024-153697667	0.0079	0.1321	4.0632	0.014388
Mir1927	chr1:160295863-160295972	1.5673	2.5643	0.7103	0.697519
Fcgr3	chr1:171051173-171064935	0.0370	0.4624	3.6437	0.104896
Pvrl4	chr1:171370098-171388598	0.0343	0.2340	2.7704	0.118546
Kcnj9	chr1:172321032-172329263	0.0001	0.0528	9.0446	0.389106
Kcnj10	chr1:172341209-172374085	0.0159	0.1666	3.3899	0.044202
Mir29b-2	chr1:195037039-195037120	0.0001	10.1410	16.6298	0.066027
Peli3	chr19:4930650-4943127	0.0505	0.1668	1.7242	0.211132
Cst6	chr19:5344704-5349574	0.0001	0.0928	9.8587	0.067283
Gm14963	chr19:6268794-6276605	0.0335	0.1412	2.0759	0.206428
Nrxn2	chr19:6418730-6544169	0.0060	0.0144	1.2564	0.513837
Dagla	chr19:10245264-10304877	0.0001	0.0288	8.1674	0.316607
Glis3	chr19:28258850-28680077	0.0001	0.0777	9.6014	0.030296
Prkg1	chr19:30567550-31765033	0.0001	0.0208	7.7019	0.376461
Gm16068	chr19:47606143-47617106	0.3814	1.3611	1.8354	0.196869
9430020K01Rik	chr18:4634928-4682868	0.0001	0.1104	10.1087	0.092583
Gm10269	chr18:20682591-20682963	0.6257	0.9328	0.5761	0.463901
E230025N22Rik	chr18:36684922-36695925	0.0531	0.1287	1.2779	0.481730
NA	chr18:38467866-38467933	0.4182	4.7026	3.4913	0.254199
Dpysl3	chr18:43320978-43438286	0.0001	0.0416	8.7015	0.322726
Cd63-ps	chr18:50134725-50135600	0.3291	0.4620	0.4891	0.679464
Gm15345	chr18:56769716-56801688	0.0001	0.9529	13.2182	0.126981
Slc27a6	chr18:58556256-58612773	0.0774	0.2551	1.7198	0.251813
Gm22005	chr2:3291377-3291518	0.0001	5.2867	15.6901	0.311726
Gm26073	chr2:10473350-10473477	0.0001	1.2486	13.6080	0.436588
Mrc1	chr2:14229413-14332057	0.0001	0.0432	8.7538	0.224012
Npdc1	chr2:25399350-25409494	0.0001	0.1600	10.6436	0.050928
Tmem141	chr2:25620066-25622005	0.0001	0.7736	12.9173	0.199279
Lcn10	chr2:25682725-25686081	0.1352	0.3029	1.1634	0.503736
NA	chr2:26912847-26912915	1.5702	5.3507	1.7688	0.409769
Barhl1	chr2:28907678-28916668	0.0329	0.0819	1.3160	0.380175
9330198N18Rik	chr2:30629654-30689210	0.0001	0.3479	11.7643	0.172652
Gm22516	chr2:31189690-31189814	0.2198	2.7934	3.6677	0.031415
NA	chr2:32712899-32712972	2.3213	5.4076	1.2201	0.325588
Gm13523	chr2:32873754-32876001	0.0001	0.8784	13.1006	0.143228
Garnl3	chr2:32986365-33131654	0.0001	0.0380	8.5717	0.074992
Ttll11	chr2:35751240-35979913	0.0422	0.1991	2.2382	0.035681
Gm13588	chr2:38490103-38490238	0.5239	3.6567	2.8031	0.198319
Gm13511	chr2:39216931-39217294	0.0001	0.5881	12.5218	0.224012
Kynu	chr2:43555328-43682715	0.0001	0.0585	9.1921	0.343617
Gm13517	chr2:55775547-55777042	0.1144	0.3977	1.7982	0.245528
Gm13559	chr2:58740638-58741501	0.2707	0.7908	1.5467	0.327980
Gca	chr2:62664284-62694109	0.0001	0.1614	10.6562	0.059675
Scn2a1	chr2:65620856-65767447	0.0001	0.0730	9.5122	0.063801
Bbs5	chr2:69647170-69667571	0.0001	0.1103	10.1067	0.230771
Gm13641	chr2:71319782-71320255	0.7007	0.6201	-0.1762	0.865325
Gm13651	chr2:77291330-77292440	0.0001	0.2333	11.1881	0.240340
Gm13673	chr2:79359864-79360395	0.0001	0.2489	11.2816	0.436588
Spi1	chr2:91082389-91115756	0.1338	0.2094	0.6463	0.424164
Pacsin3	chr2:91255953-91264679	0.0396	0.1026	1.3741	0.411394
Nutm1	chr2:112247947-112259291	0.0001	0.0660	9.3668	0.205216
Gm13940	chr2:112389196-112389497	0.1420	2.5364	4.1590	0.042001
Gm14088	chr2:119008208-119008477	0.0001	2.0671	14.3353	0.044698
Epb4.2	chr2:121017890-121037072	0.0353	0.1461	2.0492	0.063128
Trim69	chr2:122160699-122179027	0.0680	0.3855	2.5038	0.073509

Gatm	chr2:122594466-122611303	0.0001	0.4048	11.9832	0.174116
Il1a	chr2:129299609-129309972	0.0553	0.2560	2.2104	0.156059
Cpxm1	chr2:130390774-130397574	0.0001	0.2645	11.3692	0.084478
Ninl	chr2:150934518-151039382	0.0180	0.1043	2.5322	0.021215
Gm14165	chr2:152353614-152354566	0.3368	0.5597	0.7329	0.246826
Hck	chr2:153108467-153151441	0.0001	0.3176	11.6329	0.001271
Actl10	chr2:154551775-154553276	0.1281	0.2935	1.1959	0.491291
Tldc2	chr2:157087054-157096482	0.1276	0.6578	2.3660	0.139779
Z410019O14Rik	chr2:157595582-157597320	0.1359	0.4908	1.8528	0.470797
Arhgap40	chr2:158512795-158550762	0.0291	0.1673	2.5219	0.418434
Gm14302	chr2:164459895-164460955	0.0001	2.5458	14.6358	0.206057
Wfdc2	chr2:164562412-164568510	0.0001	0.4391	12.1003	0.300117
Gm14274	chr2:172100620-172101235	0.0899	0.7661	3.0904	0.061446
C330013J21Rik	chr2:177903339-177925613	0.0001	0.7271	12.8280	0.227975
BC051628	chr2:181220012-181222854	0.1304	0.4349	1.7380	0.143673
Pld1	chr3:27938694-28133362	0.0133	0.0204	0.6192	0.720045
Gm7741	chr3:35863876-35864865	0.0217	0.3869	4.1568	0.084828
Nbea	chr3:55625204-56183701	0.0020	0.0533	4.7035	0.001084
Mir16-2	chr3:69009901-69009996	0.6744	9.4129	3.8030	0.067361
Rab25	chr3:88542028-88548300	0.0001	0.1593	10.6372	0.255969
Gm24608	chr3:90010594-90010730	0.6281	2.8141	2.1635	0.149924
S100a8	chr3:90669070-90670034	0.1635	8.9181	5.7692	0.246954
Gnat2	chr3:108092788-108101432	0.0001	0.2225	11.1194	0.058979
Gpr61	chr3:108148320-108154882	0.1566	0.1422	-0.1388	0.865773
Gm12517	chr3:108602390-108602815	0.5302	1.6263	1.6169	0.016323
Bcar3	chr3:122419779-122530180	0.0001	0.0602	9.2335	0.436588
Cyp2u1	chr3:131290490-131303227	0.0001	0.3698	11.8526	0.068780
Gm15540	chr3:142743660-142744681	0.2852	0.9638	1.7566	0.197505
Rpsa-ps10	chr3:150072589-150073620	0.0809	0.4273	2.4019	0.161350
NA	chr3:154664095-154757527	0.0230	0.1941	3.0750	0.126210
Lrriq3	chr3:155093433-155194278	0.0001	0.0883	9.7865	0.309853
A1838599	chr4:3242054-3258092	0.0001	0.1148	10.1651	0.001292
Cdh17	chr4:11758146-11817895	0.0001	0.1156	10.1743	0.022930
Gm12367	chr4:35225896-35262222	0.0001	0.0717	9.4862	0.274620
Spag8	chr4:43651334-43653594	0.0772	0.2859	1.8890	0.115805
Pax5	chr4:44531144-44711446	0.0001	0.1555	10.6031	0.264328
Gm12470	chr4:53662295-53663344	0.0001	0.4530	12.1453	0.165941
Rps15a-ps8	chr4:53791069-53791456	0.2912	1.0857	1.8986	0.073062
Gm12516	chr4:55392316-55392701	0.2219	1.5346	2.7896	0.243467
Gm12538	chr4:57413710-57414196	0.2637	1.4084	2.4170	0.099167
Gm11209	chr4:62627676-62633712	0.3251	0.4670	0.5228	0.811450
Gm11212	chr4:63350410-63353846	0.0001	0.6851	12.7421	0.032883
Tnfsf15	chr4:63727083-63745113	0.0001	0.2227	11.1207	0.083487
Gm11249	chr4:67930880-67931739	0.1990	0.5300	1.4134	0.379125
Gm11246	chr4:76927310-76927655	0.3096	0.8969	1.5347	0.278987
Gm12419	chr4:84923553-84924189	0.0001	0.6789	12.7290	0.069898
Gm12798	chr4:101403080-101407856	0.0001	0.5415	12.4028	0.203369
Ermap	chr4:119175456-119190011	0.0054	0.0312	2.5330	0.403731
Gm12959	chr4:119553655-119554058	0.6414	0.6699	0.0626	0.958344
Gm23548	chr4:123490230-123490336	0.6044	5.4078	3.1614	0.256509
Oscp1	chr4:126058564-126092195	0.0001	0.0567	9.1471	0.337690
Dlgap3	chr4:127169203-127237022	0.0125	0.0951	2.9280	0.283485
Gm12967	chr4:129761627-129761916	0.2652	1.1540	2.1216	0.230080
Tmem200b	chr4:131921770-131923140	0.0001	0.3223	11.6540	0.127457
Gm13033	chr4:132884544-132886626	0.0463	0.2752	2.5729	0.238796
Slc30a2	chr4:134343180-134354484	0.0080	0.0977	3.6182	0.197144
1700095J12Rik	chr4:138137594-138138518	0.5260	0.7938	0.5938	0.612292
Nbl1	chr4:139082283-139092993	0.1149	0.2786	1.2775	0.541366
Gm13039	chr4:143166602-143167396	0.1504	0.7551	2.3281	0.059542
Gm13248	chr4:146610960-146658160	0.0168	0.6776	5.3298	0.143447
Gm13156	chr4:147893672-147893993	0.1997	0.6777	1.7631	0.509159
Arhgef16	chr4:154278485-154301676	0.0001	0.0409	8.6758	0.263291
Gm25515	chr10:4104312-4104469	0.0001	1.0541	13.3637	0.436588
B230208H11Rik	chr10:12916647-12923100	0.1644	0.4591	1.4819	0.428234
Il22ra2	chr10:19621997-19634681	0.0001	0.0663	9.3738	0.436588
Gm6846	chr10:21830498-21844851	0.0001	0.0835	9.7062	0.436588
Wispr3	chr10:39150970-39163794	0.0001	0.3170	11.6304	0.281069
G630090E17Rik	chr10:39946906-39960153	0.0718	0.0927	0.3687	0.873644
Gm16546	chr10:43319359-43319714	0.0001	0.9977	13.2844	0.079542
Gm10322	chr10:59616062-59616398	0.3814	0.6754	0.8244	0.625620
Nodal	chr10:61417971-61425338	0.0363	0.4029	3.4723	0.128870

Npffr1	chr10:61595483-61626385	0.0164	0.1056	2.6836	0.509413
Gm26359	chr10:67235860-67235961	0.0001	8.6887	16.4068	0.109897
n-R5s77	chr10:78314164-78314283	0.0001	3.3388	15.0271	0.257064
Spic	chr10:88674771-88685015	0.0001	0.1038	10.0201	0.312649
Gm15963	chr10:93726725-93728207	0.0001	0.2362	11.2059	0.436588
Ppfa2	chr10:106470309-106933467	0.0001	0.0259	8.0161	0.436588
Gm25709	chr10:117662281-117662388	0.0001	2.6007	14.6666	0.402194
Gm24330	chr10:121618467-121618543	2.2478	3.4936	0.6362	0.702232
D930020B18Rik	chr10:121641587-121692892	0.0001	0.1691	10.7239	0.079246
Gm9081	chr10:122169372-122170363	0.0216	0.2803	3.6948	0.406774
Mettl21b	chr10:127031181-127041513	0.0001	0.1052	10.0383	0.363346
Rdh16	chr10:127801151-127846565	0.0001	0.0312	8.2832	0.436588
Gm25361	chr10:128402757-128402833	0.0001	3.2531	14.9895	0.190361
Abca13	chr11:9191941-9684259	0.0001	0.0085	6.4067	0.436588
Grb10	chr11:11930507-12038683	0.0001	0.0379	8.5661	0.390994
Meis1	chr11:18880429-19018958	0.0024	0.0286	3.6038	0.198554
Gm12108	chr11:32095260-32101228	0.0331	0.1130	1.7723	0.255609
BC053393	chr11:46571535-46589232	0.0001	0.1162	10.1818	0.436588
BC049762	chr11:51253650-51263046	0.1458	0.2704	0.8913	0.539032
NA	chr11:52104078-52104149	0.0001	9.4467	16.5275	0.208599
Il13	chr11:53631323-53634702	0.0001	0.2147	11.0678	0.255315
Gm12223	chr11:54247599-54254495	0.3641	0.4785	0.3942	0.837572
Slc36a2	chr11:55158469-55185077	0.0526	0.0719	0.4523	0.838423
Serpinf2	chr11:75431731-75439591	0.0552	0.1127	1.0285	0.569706
Gm12571	chr11:78149195-78149438	1.5364	2.0862	0.4414	0.700701
Snord7	chr11:83294303-83294400	2.6873	7.6352	1.5065	0.400520
Hsf5	chr11:87617163-87659542	0.0001	0.1215	10.2469	0.018569
4930556N13Rik	chr11:88851603-88881395	0.1653	0.1468	-0.1713	0.936758
Gm20644	chr11:98285381-98287444	0.0001	0.0803	9.6494	0.436588
Gm25106	chr11:98473674-98473808	0.0001	2.6315	14.6836	0.182178
Leprel4	chr11:100408455-100414836	0.0197	0.0945	2.2622	0.466603
Plcd3	chr11:103070303-103101658	0.0084	0.2079	4.6371	0.078239
NA	chr11:106552029-106552116	0.0001	3.0684	14.9052	0.363346
NA	chr11:113671203-113671280	0.0001	5.2898	15.6909	0.364625
Gprc5c	chr11:114851151-114872617	0.0001	0.1129	10.1414	0.211444
Cd300ld	chr11:114982273-114989922	0.0104	0.2615	4.6523	0.085553
Recql5os1	chr11:115925026-115926143	0.0001	1.4311	13.8049	0.055393
Gm11730	chr11:117094947-117097067	0.0001	0.5457	12.4140	0.247054
Klhl29	chr12:5077471-5375682	0.0001	0.1132	10.1443	0.022541
Lamb1	chr12:31265233-31329644	0.0001	0.0296	8.2106	0.270044
Agr3	chr12:35925619-35949736	0.1319	0.7849	2.5729	0.482915
Agmo	chr12:37241640-37582202	0.0001	0.0938	9.8738	0.370410
Rpl31-ps17	chr12:54701328-54701706	0.7251	1.1081	0.6118	0.436531
Gm23910	chr12:73145773-73145905	0.0001	2.2809	14.4773	0.330051
Rhoj	chr12:75308321-75401456	0.0001	0.0254	7.9911	0.339152
Gm7862	chr12:76152335-76152627	0.2195	1.0331	2.2349	0.467730
Gm26477	chr12:90981224-90981547	0.6273	1.0481	0.7406	0.281370
Mir345	chr12:108836972-108837068	0.0001	2.0111	14.2957	0.436588
Tnfaip2	chr12:111442468-111455018	0.0384	0.0940	1.2930	0.378138
Ighv1-54	chr12:115193674-115194108	0.0001	1.3036	13.6702	0.415873
Gm23084	chr13:3648536-3648650	0.9366	1.8261	0.9632	0.636459
Gm25444	chr13:14628618-14628731	0.7560	2.7249	1.8498	0.332453
Gm11362	chr13:28836858-28837724	0.1548	0.3548	1.1960	0.637820
Gm11380	chr13:31884224-31885224	0.0001	0.3545	11.7915	0.058493
Serpnb9b	chr13:33027415-33041884	0.0001	0.1410	10.4612	0.335611
Serpnb1b	chr13:33084124-33094380	0.0001	0.1139	10.1539	0.436588
Tifab	chr13:56173702-56178885	0.0313	0.1058	1.7591	0.350714
Spata31d1b	chr13:59712283-59719289	0.0001	0.0323	8.3359	0.436588
Gm6478	chr13:62035419-62036163	0.0001	0.5916	12.5305	0.401224
Gm16133	chr13:63333136-63339959	0.0001	0.1874	10.8716	0.436588
Gm10037	chr13:67833234-67843113	0.0001	0.8318	13.0221	0.436588
Spata9	chr13:75967738-75998968	0.0260	0.2753	3.4057	0.325129
Tmbim7	chr5:3657003-3680325	0.0001	0.1159	10.1791	0.255315
Cd36	chr5:17781689-17888959	0.0001	0.0760	9.5697	0.203233
1500035N22Rik	chr5:24985841-24998168	0.0001	0.4512	12.1394	0.024366
Gm24436	chr5:31870045-31870347	0.0001	2.7568	14.7507	0.240945
Gm15614	chr5:32507183-32651065	0.0001	0.3327	11.7000	0.041524
Psap11	chr5:36204020-36206568	0.0001	0.1999	10.9653	0.179457
Gm26647	chr5:37038163-37041646	0.0001	0.1530	10.5794	0.353491
Gm15823	chr5:64252577-64253206	0.0001	0.5849	12.5140	0.300689
Apbb2	chr5:66298860-66618828	0.0041	0.0998	4.5892	0.216319

Enam	chr5:88487981-88506049	0.0001	0.0402	8.6523	0.401224
4930524J08Rik	chr5:99979060-99979663	0.0709	1.2509	4.1406	0.192663
Gm26808	chr5:109922648-109923481	0.0521	0.7047	3.7589	0.469730
Ywhaq-ps2	chr5:114828572-114829215	0.0333	0.3003	3.1726	0.487362
Gm13829	chr5:115291762-115291900	0.0001	4.0588	15.3088	0.118560
Pla2g1b	chr5:115466261-115474722	0.0001	0.3095	11.5959	0.436588
Rps16-ps2	chr5:129128019-129128571	0.1548	1.0499	2.7615	0.354572
NA	chr5:134201865-134202151	0.0001	1.0072	13.2980	0.198276
Gm26340	chr5:134448573-134448672	0.0001	2.9019	14.8247	0.324871
Gm25492	chr5:135053987-135054116	1.4898	5.6072	1.9121	0.513675
Mlxipl	chr5:135106890-135138382	0.0001	0.0561	9.1315	0.303157
Mir106b	chr5:138165736-138165818	0.0001	7.7174	16.2358	0.097186
Nxpe5	chr5:138225897-138253363	0.0001	0.1557	10.6047	0.153492
Gm24311	chr5:144013997-144014101	1.8479	2.8796	0.6399	0.741272
Gm23995	chr5:144774424-144774553	0.0001	2.4702	14.5923	0.198269
Gm26774	chr6:6952169-6955900	0.0001	0.0862	9.7524	0.436588
Gm16043	chr6:8420008-8443455	0.2427	0.3545	0.5465	0.769925
Wnt16	chr6:22288226-22298522	0.0648	0.1523	1.2329	0.340960
Fscn3	chr6:28427788-28438622	0.0206	0.3221	3.9665	0.166112
Lrguk	chr6:34029447-34134034	0.0001	0.1839	10.8446	0.318658
Gm13859	chr6:34373690-34380789	0.0601	0.2803	2.2211	0.505458
Cald1	chr6:34598499-34775473	0.0029	0.0528	4.1970	0.329093
Gm25283	chr6:47637142-47637219	0.0001	3.0445	14.8939	0.436588
Gm20445	chr6:65882778-65883343	0.0001	0.3837	11.9057	0.258573
Gm23346	chr6:70855443-70855579	0.0001	2.8349	14.7910	0.416622
Gm1070	chr6:71293764-71302718	0.0001	0.2283	11.1566	0.171130
Vax2	chr6:83711263-83738304	0.0001	0.2274	11.1513	0.148914
Cyp26b1	chr6:84571413-84593908	0.0001	0.0563	9.1360	0.263173
Gm7507	chr6:84812239-84813247	0.0001	0.4764	12.2181	0.051785
Nat8b	chr6:85932680-85933379	0.0001	0.6271	12.6145	0.131295
Gm10443	chr6:86334006-86334316	0.3445	1.2695	1.8817	0.384929
Gm25178	chr6:88405976-88406301	0.0001	1.5799	13.9476	0.022119
Gm15756	chr6:90596684-90599948	0.0001	0.4045	11.9819	0.436588
Fbln2	chr6:91212454-91272540	0.0144	0.0561	1.9613	0.396153
Tmem40	chr6:115729130-115762466	0.0001	0.0629	9.2968	0.436588
Cacna1c	chr6:118592318-118780324	0.0001	0.0341	8.4123	0.213163
Gm4651	chr6:121064463-121069954	0.0001	0.1918	10.9051	0.306099
Mfap5	chr6:122505844-122529290	0.0001	0.0539	9.0739	0.436588
Clec4a3	chr6:122952514-122969875	0.0001	0.4348	12.0862	0.381995
C1ra	chr6:124512631-124523440	0.0001	0.1451	10.5029	0.282449
Gm8778	chr6:128976865-128977972	0.0001	0.1247	10.2839	0.436588
Eps8	chr6:137477244-137654876	0.0001	0.0961	9.9091	0.203918
Rpl38-ps2	chr6:140746918-140747216	0.1434	0.6543	2.1898	0.455626
Gm15784	chr6:149361685-149363147	0.0147	0.2836	4.2693	0.375696
Prkcg	chr7:3303531-3331094	0.0275	0.1157	2.0709	0.054934
Ceacam16	chr7:19852096-19861299	0.0001	0.3733	11.8660	0.198725
Irgc1	chr7:24431921-24435534	0.0162	0.1950	3.5874	0.137749
NA	chr7:26071809-26072976	0.1099	0.3393	1.6266	0.484868
Gm15570	chr7:27271767-27272392	0.0001	0.3752	11.8733	0.436588
Mir1964	chr7:29773293-29773376	0.0001	3.6591	15.1592	0.144629
Zfp30	chr7:29783997-29794702	0.0036	0.0318	3.1362	0.448503
Gm10169	chr7:29965099-29965640	0.2601	1.3711	2.3981	0.117668
Tshz3	chr7:36698117-36773545	0.0079	0.0454	2.5172	0.459078
Gm6871	chr7:41545673-41573662	0.0001	0.1034	10.0146	0.387179
Klk1b26	chr7:44012677-44016965	0.0001	0.3456	11.7550	0.357399
Tph1	chr7:46647129-46672537	0.0001	0.0522	9.0284	0.353491
Rpl17-ps10	chr7:72648756-72649311	0.3570	1.3051	1.8702	0.209699
Gm24224	chr7:79352487-79352745	0.0001	2.0211	14.3028	0.008753
Homer2	chr7:81600480-81706925	0.0001	0.0643	9.3287	0.298308
Adamts13	chr7:82335693-82614450	0.0036	0.0896	4.6288	0.176651
Gm25790	chr7:84323308-84323415	0.0001	1.2888	13.6538	0.436588
Ucp3	chr7:100472989-100486432	0.0001	0.1627	10.6677	0.083621
Gm3200	chr7:100760804-100761806	0.1831	0.3655	0.9970	0.597046
Gm22504	chr7:105642337-105642476	0.4610	5.5607	3.5926	0.040543
Gm26599	chr7:108950753-108961535	0.0068	0.2295	5.0775	0.324601
Ric3	chr7:109034311-109083331	0.0001	0.1017	9.9903	0.227505
Gm25683	chr7:118153479-118153610	0.4891	6.0030	3.6175	0.167981
Gm24596	chr7:126563873-126563980	0.0001	4.3927	15.4228	0.043148
Gm17511	chr7:127286040-127286385	0.1239	1.8358	3.8894	0.373883
Syce1	chr7:140777228-140787854	0.0001	1.1914	13.5403	0.300659
Scgb1c1	chr7:140845564-140846768	0.0001	0.4745	12.2122	0.436588

Eps8l2	chr7:141338879-141363020	0.0001	0.0552	9.1079	0.222199
B230206H07Rik	chr7:141359140-141365110	0.0001	0.0442	8.7868	0.436588
Gm10575	chr7:141461480-141467771	0.0001	0.2962	11.5323	0.021402
Gm23184	chr8:25610427-25610558	0.0001	4.9057	15.5822	0.251589
Gm2193	chr8:41608667-41609669	0.0214	0.1377	2.6854	0.509413
Hpgd	chr8:56294551-56321046	0.0001	0.3255	11.6684	0.173343
Cilp2	chr8:69880368-69887687	0.0001	0.1134	10.1467	0.117517
Frem3	chr8:80611079-80695356	0.0001	0.0903	9.8187	0.153864
Lpcat2	chr8:92855349-92919279	0.0333	0.1750	2.3950	0.096089
Slc12a3	chr8:94329191-94366213	0.0453	0.0959	1.0819	0.537776
A330008L17Rik	chr8:99416641-99733438	0.0001	0.0453	8.8225	0.122994
Gm22063	chr8:105172495-105172602	0.0001	3.4136	15.0590	0.129775
Tsnaxip1	chr8:105827743-105844676	0.0194	0.1480	2.9299	0.331661
Gm23193	chr8:111194963-111195045	0.2605	5.8899	4.4989	0.266256
Gm6793	chr8:112013432-112015036	0.0001	0.4465	12.1245	0.015143
Cdh13	chr8:118283732-119324921	0.0116	0.0442	1.9308	0.169183
Gria4	chr9:4417898-4796234	0.0001	0.0427	8.7391	0.436588
Gm20519	chr9:21533626-21533985	0.8021	0.7635	-0.0711	0.967804
Gm10701	chr9:24341656-24418709	0.0001	0.4091	11.9984	0.372545
Tmprss4	chr9:45172725-45204092	0.0001	0.3229	11.6569	0.108188
4930448E22Rik	chr9:46326390-46329413	0.0001	0.1133	10.1465	0.436588
Ttc12	chr9:49436962-49486225	0.0001	0.0883	9.7860	0.227517
Gm6981	chr9:52002273-52003281	0.0636	0.1643	1.3678	0.638563
Cyp1a1	chr9:57697612-57703822	0.0083	0.1196	3.8566	0.131879
Cyp11a1	chr9:58015012-58027020	0.0001	0.3862	11.9152	0.079315
Islr	chr9:58156264-58159221	0.0001	0.1370	10.4200	0.216923
Cd276	chr9:58524299-58555132	0.0001	0.0628	9.2955	0.436588
Hcn4	chr9:58823511-58860955	0.0057	0.0655	3.5158	0.475531
Gm7613	chr9:59766716-59767203	0.0001	0.4779	12.2225	0.333259
1110036E04Rik	chr9:64049828-64054100	0.0001	0.1776	10.7942	0.436588
Mir3109	chr9:69456943-69457031	0.0001	2.5719	14.6505	0.161248
4930509E16Rik	chr9:72518261-72531858	0.0001	0.6004	12.5517	0.095163
NA	chr9:86546681-86546795	0.7493	4.9348	2.7193	0.237771
Me1	chr9:86581362-86695914	0.0001	0.0509	8.9917	0.436588
Rasgrf1	chr9:89909774-90026976	0.0001	0.1117	10.1254	0.183544
1300017J02Rik	chr9:103250521-103305082	0.0001	0.1765	10.7858	0.100511
Ackr4	chr9:104098137-104126643	0.0102	0.4361	5.4146	0.052057
Gm10030	chr9:111004810-111006830	0.0001	0.7662	12.9035	0.436588
Rps27rt	chr9:114982398-114982739	0.0001	1.0205	13.3170	0.299410
Gm5921	chr9:115437699-115438581	0.1045	0.4182	2.0007	0.219076
Gm22198	chr9:118287785-118288092	0.2088	0.8148	1.9646	0.499439
Gm22729	chr9:119306628-119306757	1.1588	1.9434	0.7460	0.748716
Ttc21a	chr9:119937605-119967793	0.0001	0.0383	8.5803	0.359222
Entpd3	chr9:120539817-120568318	0.0001	0.2119	11.0494	0.033469
Ackr2	chr9:121898463-121911064	0.0001	0.0841	9.7159	0.403357
Gm17020	chr9:123762502-123762776	0.0001	1.4092	13.7826	0.436588
Rpl22-ps1	chrX:8038610-8038996	0.1452	1.2370	3.0904	0.192912
Gm9430	chrX:8662301-8663828	0.0001	0.2070	11.0157	0.386896
Gm14537	chrX:20391708-20392501	0.0001	0.4952	12.2739	0.125873
Gria3	chrX:41400853-41678601	0.0001	0.0291	8.1837	0.298530
Mir20b	chrX:52742112-52742192	0.8008	3.9646	2.3076	0.533915
Brs3	chrX:57043073-57048758	0.0001	0.0747	9.5453	0.436588
Gm25412	chrX:61938890-61938997	0.0001	1.5466	13.9168	0.436588
Gm10474	chrX:68667513-68678399	0.0001	0.1349	10.3976	0.242809
Gabre	chrX:72255998-72274803	0.0001	0.0549	9.1000	0.163063
Gm8545	chrX:74006701-74007502	0.0001	0.2232	11.1240	0.392802
Rpl3-ps2	chrX:74170652-74171866	0.0808	0.4817	2.5759	0.195488
Gm15385	chrX:75459962-75485753	0.0001	0.3948	11.9471	0.276195
Gm5939	chrX:78855407-78858281	0.0096	0.1315	3.7787	0.010831
Gjb1	chrX:101376377-101385629	0.0001	0.1132	10.1446	0.436588
H3f3a-ps1	chrX:101824514-101824924	0.0001	0.4876	12.2516	0.232069
Pin4	chrX:102119446-102127669	0.1969	0.5001	1.3447	0.328897
Phka1	chrX:102513974-102644246	0.0001	0.0732	9.5149	0.187519
Gm9200	chrX:106641380-106642734	0.1203	0.1899	0.6580	0.638446
Gm26415	chrX:109115224-109115516	0.0001	2.2476	14.4561	0.167914
Gm7973	chrX:136340180-136340668	0.2884	1.2595	2.1270	0.389238
Gm8097	chrX:140445553-140446382	0.0774	0.2628	1.7639	0.428433
Vsig1	chrX:140907607-140939472	0.0001	0.0599	9.2260	0.436588
Phex	chrX:157162074-157415312	0.0001	0.0572	9.1608	0.160279
Gm6568	chrX:157540865-157541562	0.0001	0.2608	11.3489	0.383314
Arhgap6	chrX:168795098-169304435	0.0124	0.0480	1.9513	0.151652

Gm15261	chrX:169037673-169106536	0.0001	0.0659	9.3647	0.274089
Osmr	chr15:6813576-6874969	0.0001	0.0178	7.4748	0.298530
Erich5	chr15:34453311-34473892	0.0001	0.0755	9.5612	0.436588
Gm22106	chr15:73729163-73729290	0.0001	3.1859	14.9594	0.126431
Mroh5	chr15:73761409-73839699	0.0229	0.0586	1.3574	0.408153
Gm6506	chr15:77443284-77444420	0.0720	0.2049	1.5081	0.536922
Gm8221	chr15:77626073-77626637	0.3030	0.3916	0.3701	0.825605
Sstr3	chr15:78537014-78544345	0.0001	0.0707	9.4653	0.164059
Gm17597	chr15:81800790-81802613	0.1963	0.3615	0.8807	0.514204
Prr5	chr15:84669619-84703673	0.0001	0.2100	11.0361	0.412982
Gm26760	chr15:92344358-92378088	0.0001	0.1634	10.6746	0.436588
Gm4335	chr15:93196594-93197598	0.0485	0.2624	2.4354	0.423466
Adamts20	chr15:94270162-94465418	0.0001	0.0443	8.7915	0.241091
Rapgef3os2	chr15:97766548-97768713	0.0001	0.5371	12.3911	0.240105
Ccdc184	chr15:98167805-98170134	0.0734	0.2399	1.7076	0.088667
Gm2888	chr14:3030001-3038762	0.0001	0.2264	11.1447	0.436588
D830030K2ORik	chr14:3224439-3234351	0.0001	0.1866	10.8658	0.400356
Gm3373	chr14:5718335-5741577	0.0838	0.1488	0.8278	0.745501
Gm8206	chr14:6016758-6038209	0.0001	0.1830	10.8378	0.329439
Gm26680	chr14:6684254-6783942	0.0001	0.1400	10.4508	0.272861
Gm3512	chr14:7153510-7174533	0.1255	0.3350	1.4160	0.065761
Rpl19-ps4	chr14:13777813-13778440	0.3913	0.8470	1.1141	0.264768
Gm22485	chr14:27489268-27489377	1.1755	6.4769	2.4620	0.195039
Gm5459	chr14:31076634-31077447	0.3017	0.7937	1.3955	0.507123
Tlr11	chr14:50360501-50363662	0.0204	0.0889	2.1263	0.486054
Trav8d-2	chr14:53042427-53042891	0.7563	1.9869	1.3936	0.341780
Trav13d-4	chr14:53073003-53073267	0.4045	1.6520	2.0299	0.251877
Traj54	chr14:54161989-54162043	0.7909	11.2495	3.8301	0.027472
Traj29	chr14:54190945-54191005	0.0001	2.9686	14.8575	0.346872
Cbln3	chr14:55878919-55884256	0.0001	0.0974	9.9282	0.037101
Pnoc	chr14:65400672-65425472	0.0001	0.2954	11.5285	0.135820
Gulo	chr14:65986786-66009210	0.0001	0.0787	9.6209	0.346872
Mir687	chr14:73206762-73206851	1.1997	8.6603	2.8517	0.057833
Pnlcd1	chr17:12888901-12910000	0.0001	0.3551	11.7939	0.073399
Abca17	chr17:24264258-24351029	0.0001	0.0842	9.7172	0.058815
Npw	chr17:24657329-24658425	0.0001	0.3367	11.7171	0.247046
Rpl3l	chr17:24727819-24736143	0.0781	0.2604	1.7376	0.502279
1700049J03Rik	chr17:26554253-26561496	0.0001	0.6748	12.7202	0.186976
Lhfp15	chr17:28575717-28583593	0.0001	0.4618	12.1731	0.111595
Pde9a	chr17:31386233-31476310	0.0001	0.1335	10.3824	0.279562
Gm24970	chr17:31564961-31565043	0.0001	2.4147	14.5595	0.337029
Snord52	chr17:34950951-34951017	0.3236	6.6093	4.3521	0.016773
Gm25744	chr17:34952012-34952075	1.9753	9.1660	2.2142	0.001894
NA	chr17:34952239-34952309	0.9152	6.3792	2.8012	0.235625
Gm20442	chr17:35743322-35764191	0.0001	0.5326	12.3789	0.436588
H2-T3	chr17:36185571-36190287	0.0260	0.1718	2.7229	0.125754
Olf754-ps1	chr17:37249474-37250867	0.0001	0.4219	12.0427	0.301583
Gm18737	chr17:37860806-37861743	0.0001	0.3769	11.8798	0.016863
Glyatl3	chr17:40904740-40914350	0.0001	0.4266	12.0586	0.436588
Tmem151b	chr17:45541939-45549677	0.0001	0.1638	10.6778	0.060432
Gm22474	chr17:46232724-46232831	0.0001	3.7267	15.1856	0.397459
Lrrc73	chr17:46254164-46257316	0.2392	0.5020	1.0696	0.617415
Gnmt	chr17:46725663-46729168	0.0001	0.4570	12.1579	0.042059
Al661453	chr17:47436614-47470638	0.0001	0.0479	8.9048	0.314057
1700122O11Rik	chr17:48036744-48038293	0.0001	0.2863	11.4831	0.436588
Dazl	chr17:50279393-50293599	0.0364	0.1300	1.8370	0.487945
Ef1b	chr17:53398888-53463321	0.0001	0.0770	9.5881	0.280845
Rpl7a-ps5	chr17:57838426-57839233	0.0001	0.2517	11.2977	0.267498
Nudt12	chr17:58999617-59013372	0.0341	0.1293	1.9245	0.248217
Gm24730	chr17:63202737-63202854	1.3972	4.5121	1.6912	0.179553
Vit	chr17:78508062-78627409	0.0629	0.1016	0.6911	0.708391
Ttc39d	chr17:80207459-80217936	0.1621	0.1740	0.1021	0.919507
0610012D04Rik	chr17:87362238-87364462	0.0403	0.7333	4.1851	0.340812
Fgd4	chr16:16416916-16600549	0.0001	0.0271	8.0842	0.060014
Spag6	chr16:16753015-16829456	0.0001	0.0665	9.3776	0.411062
Rimbp3	chr16:17208134-17213971	0.0001	0.0581	9.1827	0.109790
Tssk1	chr16:17894202-17895651	0.0738	0.3338	2.1777	0.384980
Gm15799	chr16:18937400-18937689	1.4396	1.8661	0.3743	0.561598
Gm25617	chr16:38158007-38158139	0.0001	2.5834	14.6570	0.161611
Gm25989	chr16:43886681-43886814	0.0001	4.1112	15.3273	0.068160
Gm16619	chr16:49800532-49804874	0.3086	0.4815	0.6417	0.537238

Gm25292	chr16:84619806-84620128	0.0001	0.5140	12.3275	0.436588
2810404F17Rik	chr16:95806028-95808317	0.0001	0.1454	10.5061	0.405248
1700093J21Rik	chr16:96082675-96089070	0.0001	0.6240	12.6072	0.366620
Acy3	chr19:3986660-3990007	0.0001	0.2875	11.4895	0.278638
Cabp4	chr19:4135424-4139609	0.0001	0.5629	12.4586	0.021472
Olfr1444	chr19:12861741-12862771	0.0001	0.3202	11.6447	0.125811
Gm10819	chr19:16267060-16267621	0.0500	0.5654	3.4985	0.476622
Lipm	chr19:34100942-34122687	0.0001	0.2405	11.2321	0.224565
Cpeb3	chr19:37021290-37208601	0.0030	0.0949	4.9930	0.378181
Abcc2	chr19:43782191-43837951	0.0001	0.0697	9.4457	0.436588
4930556I23Rik	chr1:37614258-37615372	0.0382	1.2555	5.0374	0.352507
4933402D24Rik	chr1:63754906-63769267	0.0365	0.2745	2.9092	0.099792
Rpl31-ps14	chr1:66948562-66948940	0.3919	1.0336	1.3991	0.146842
Gm24497	chr1:72244212-72244403	0.0001	2.3895	14.5444	0.379254
Cxcr1	chr1:74191784-74194631	0.0001	0.7917	10.9193	0.256921
Slc23a3	chr1:75125543-75133890	0.0001	0.1531	10.5803	0.207811
Gm7582	chr1:85027953-85041958	0.0709	1.3749	4.2770	0.229780
Gm20528	chr1:88055392-88218584	0.0001	0.3128	11.6112	0.168502
Dnajb3	chr1:88204731-88205748	0.2993	0.4664	0.6399	0.615397
Agap1	chr1:89454810-89895282	0.0001	0.0618	9.2709	0.049588
Gm3555	chr1:98457767-98459162	0.0001	0.2069	11.0144	0.381995
Gm23370	chr1:127331812-127331941	0.0001	2.3375	14.5127	0.080248
Gm23734	chr1:127375130-127375239	0.0001	5.7452	15.8101	0.347016
Zp3r	chr1:130576712-130629621	0.0001	0.0846	9.7248	0.436588
Syt2	chr1:134709299-134753149	0.0001	0.0339	8.4063	0.333259
Gm7278	chr1:152729158-152730559	0.0001	0.3004	11.5529	0.203974
Gm5532	chr1:155520172-155527111	0.0611	0.2262	1.8888	0.446613
Gm27512	chr1:155936949-155937075	0.0001	2.6267	14.6809	0.436588
4930558K02Rik	chr1:161942085-161979636	0.0001	0.1764	10.7843	0.359222
Gm16587	chr1:164143431-164146366	0.0001	0.3225	11.6552	0.402194
Mplz1	chr1:165592180-165634541	0.0348	0.0951	1.4509	0.443125
Gm6286	chr1:166945596-166946358	0.2330	1.0681	2.1965	0.214164
Gm16701	chr1:166974023-167000841	0.0001	0.2877	11.4901	0.121734
Gm22114	chr1:169799449-169799556	0.0001	1.8043	14.1392	0.436588
Gm25235	chr1:170832764-170832871	0.0001	3.5257	15.1056	0.125267
Gm16340	chr1:173775836-173802720	0.0001	0.0972	9.9243	0.195810
Spta1	chr1:174172775-174248450	0.0199	0.0257	0.3675	0.873644
Mark1	chr1:184896442-184999549	0.0001	0.0537	9.0684	0.209697
Mir215	chr1:185313580-185313692	0.0001	2.2178	14.4368	0.252556
Mir3473c	chr1:191998553-191998634	0.0001	3.0289	14.8865	0.274808
Bambi	chr18:3507956-3516404	0.0001	0.1834	10.8408	0.108150
Zscan30	chr18:23970974-23981555	0.0001	1.2695	13.6319	0.039877
Kcnn2	chr18:45269004-45686024	0.0001	0.2060	11.0084	0.084262
Gm4950	chr18:51865263-51865881	0.0001	0.4157	12.0212	0.205185
4930511M06Rik	chr18:57373454-57552397	0.0104	0.1927	4.2166	0.232875
Gm9949	chr18:62180125-62184405	0.2941	0.7291	1.3096	0.137294
Rab27b	chr18:69979130-70141605	0.0101	0.0653	2.6932	0.457850
Gm13216	chr2:5603570-5604161	0.2581	1.0159	1.9771	0.037707
Gm13218	chr2:9591218-9597843	0.4030	1.4764	1.8733	0.415497
Gm23608	chr2:10075652-10075780	0.3337	1.6264	2.2849	0.410452
Gm23651	chr2:10482811-10482931	0.0001	2.4544	14.5831	0.370410
Enkur	chr2:21180730-21205365	0.0685	0.2205	1.6867	0.351203
Gm14441	chr2:22913292-22913832	0.1706	1.2542	2.8781	0.167494
Gm24875	chr2:25031349-25031453	0.0001	5.6327	15.7815	0.143270
Gm13387	chr2:25122602-25145396	0.0297	0.1148	1.9488	0.350784
Grin1	chr2:25291180-25319187	0.0226	0.0341	0.5954	0.788134
Grin1os	chr2:25291219-25298925	0.0755	0.0667	-0.1791	0.930080
Gm10134	chr2:28506094-28506475	0.0001	0.5777	12.4960	0.401224
Gm13420	chr2:29744918-29747250	0.0352	0.8165	4.5350	0.086098
Gm13547	chr2:29759311-29768998	0.0354	0.3329	3.2345	0.382164
Gm14486	chr2:30658467-30678011	0.0542	0.4468	3.0444	0.290746
Gm13536	chr2:33446801-33449207	0.0001	0.4881	12.2529	0.234827
NA	chr2:34778676-34778772	1.5571	5.7492	1.8845	0.425898
Gm13429	chr2:36202313-36212903	0.0001	0.2402	11.2301	0.315776
Rnd3	chr2:51130437-51149111	0.0001	0.0680	9.4087	0.197526
Gm13495	chr2:51938132-51938669	0.1044	1.1341	3.4411	0.257850
Gm13541	chr2:52551968-52552251	0.0001	1.0233	13.3210	0.436588
Gm13590	chr2:62668782-62670370	0.0001	0.1350	10.3990	0.298530
Nostrin	chr2:69135799-69189330	0.0566	0.3079	2.4423	0.257570
Gm13624	chr2:69799150-69799612	0.0001	1.0052	13.2952	0.330645
Klh23	chr2:69821943-69836651	0.0391	0.1097	1.4870	0.467508

Sp9	chr2:73271924-73284706	0.0001	0.0635	9.3099	0.406738
Gm14425	chr2:74855705-74856311	0.1058	1.0475	3.3075	0.060008
Gm13743	chr2:87562996-87563720	0.0886	1.2544	3.8239	0.406069
Gm10805	chr2:91920527-91920928	0.0536	0.7692	3.8427	0.258242
Gm13868	chr2:102311913-102312207	0.0001	3.6774	15.1664	0.285816
Elf5	chr2:103411687-103450989	0.0001	0.1283	10.3258	0.191064
n-R5s201	chr2:105997031-105997147	0.0001	3.4716	15.0833	0.174026
Kcna4	chr2:107290638-107298502	0.0001	0.0795	9.6350	0.353491
Gm13961	chr2:111182634-111187406	0.0104	0.0972	3.2182	0.281827
Fbn1	chr2:125300593-125507993	0.0001	0.0126	6.9781	0.436588
Gm14009	chr2:128189986-128204634	0.0326	0.6062	4.2146	0.381158
Snord110	chr2:130275505-130275573	0.0001	4.7884	15.5473	0.206983
Gm14068	chr2:140044491-140044704	0.0001	3.2172	14.9735	0.037483
4930444E06Rik	chr2:144243240-144244849	0.0001	0.5728	12.4839	0.129742
Gm14130	chr2:149743174-149744161	0.0285	0.2669	3.2287	0.383959
Gm14133	chr2:149743926-149798743	0.0196	0.1835	3.2261	0.383959
Gm14127	chr2:150469410-150470165	0.0001	0.5180	12.3388	0.147077
Nanp	chr2:151029684-151039398	0.0001	0.3717	11.8601	0.069548
Gm14148	chr2:151374007-151375047	0.0001	0.3277	11.6783	0.156916
Tmem74b	chr2:151702007-151712157	0.0001	0.1444	10.4956	0.294753
Id1	chr2:152736250-152737410	0.1105	0.5751	2.3792	0.050548
Gm14170	chr2:156377924-156378968	0.0001	0.5833	12.5101	0.436588
Myl9	chr2:156775419-156781658	0.0001	0.4973	12.2798	0.351616
Gm14231	chr2:156789809-156790403	0.0720	1.0864	3.9156	0.139579
Gm14286	chr2:157544265-157545469	0.1842	1.1154	2.5984	0.305307
Gm10714	chr2:174125037-174183918	0.0001	0.4098	12.0009	0.436588
Mir296	chr2:174267046-174267125	0.0001	2.7564	14.7505	0.256921
Tubb1	chr2:174450694-174457882	0.0001	0.5067	12.3068	0.255664
Gm14418	chr2:177387123-177398320	0.0088	0.1989	4.4906	0.401090
Tcf5	chr2:180621955-180642708	0.0001	0.1676	10.7107	0.346922
Gm22502	chr2:180698062-180698169	0.5093	2.0867	2.0345	0.301745
Lkaear1	chr2:181696792-181698442	0.1859	0.5167	1.4746	0.541944
Rps24-ps2	chr3:3791896-3792295	0.3860	1.4484	1.9077	0.448603
Il7	chr3:7572076-7613427	0.0001	0.3219	11.6524	0.054849
Raly1	chr3:13946371-14182287	0.0001	0.1377	10.4275	0.192645
Gm22282	chr3:19330772-19331084	0.0001	0.7956	12.9579	0.436588
Lrrc31	chr3:30679057-30699843	0.0001	0.0506	8.9823	0.436588
Gm23511	chr3:48954721-48954885	0.8937	2.5795	1.5292	0.202173
Gm20690	chr3:68901829-68902144	0.0001	0.7370	12.8474	0.298517
Rxfp1	chr3:79641610-79737880	0.0001	0.0179	7.4865	0.436588
Cd5l	chr3:87357880-87371074	0.0001	0.1561	10.6087	0.267567
Fcrl5	chr3:87435884-87457836	0.0590	0.2361	2.0001	0.469509
Gm6570	chr3:87679650-87679998	0.8002	1.1761	0.5557	0.506317
Ntrk1	chr3:87778243-87795162	0.0001	0.0587	9.1975	0.436588
Bglap	chr3:88383500-88384464	0.0001	0.3794	11.8896	0.436588
Gm24046	chr3:89967998-89968163	1.8303	2.4046	0.3937	0.674024
Tchh	chr3:93442329-93449077	0.0001	0.0862	9.7516	0.398312
Gm9169	chr3:95144370-95144906	0.3188	0.7055	1.1460	0.497907
Gja8	chr3:96918862-96926020	0.0001	0.1092	10.0929	0.436588
Vangl1	chr3:102156700-102204693	0.0001	0.0886	9.7914	0.056444
BC027582	chr3:103731679-103732553	0.0001	0.3603	11.8152	0.334795
Chil6	chr3:106387387-106406182	0.0001	0.2218	11.1148	0.306099
Gstm7	chr3:107926333-107931817	0.0001	0.1275	10.3162	0.247046
Gm9857	chr3:108940052-108940445	0.0001	1.2562	13.6168	0.058302
Gm5548	chr3:113053888-113054284	0.0001	0.3831	11.9037	0.436588
Pitx2	chr3:129199877-129219591	0.0001	0.0491	8.9409	0.347016
Col25a1	chr3:130180890-130599877	0.0001	0.0161	7.3272	0.436588
Gm25920	chr3:137912989-137913088	0.2158	3.3801	3.9694	0.119135
Gm24457	chr3:142772971-142773076	0.0001	4.9413	15.5926	0.163063
Samd13	chr3:146645194-146685592	0.0001	0.1992	10.9600	0.028691
Gm22136	chr3:153621701-153621969	0.0001	2.3204	14.5021	0.034726
Gm22206	chr3:153708910-153709026	0.0001	3.0759	14.9087	0.369990
mt-Tw	chrM:4949-5016	0.3188	9.6655	4.9221	0.228329
mt-Tt	chrM:15288-15355	1.5936	6.5114	2.0307	0.171660
Gm23860	chr4:7820915-7821047	0.0001	1.7090	14.0609	0.349480
Gm22940	chr4:11279264-11279419	0.0001	2.7002	14.7208	0.197352
Gm11869	chr4:15969571-15969928	0.3246	1.0392	1.6787	0.497856
Gm11865	chr4:16246268-16249514	0.1990	0.4401	1.1454	0.422599
Gm11934	chr4:33303568-33310137	0.0001	0.1665	10.7015	0.320677
Gm12366	chr4:35202102-35202975	0.0001	0.2041	10.9952	0.346872
Mir207	chr4:40722916-40722995	0.0001	7.0647	16.1083	0.029900

Gm24650	chr4:41172741-41172844	0.0001	3.0174	14.8810	0.341542
Gm12401	chr4:41252616-41252844	0.0938	2.3214	4.6300	0.168175
Ccin	chr4:43983503-43985533	0.0001	0.1887	10.8818	0.095985
Gm12430	chr4:47453631-47454953	0.0001	0.3181	11.6352	0.207976
Gm11405	chr4:74228196-74229752	0.0001	0.1512	10.5626	0.279417
Gm23412	chr4:83285803-83285910	0.7983	5.2875	2.7275	0.238270
NA	chr4:88760773-88761584	0.0001	0.7135	12.8007	0.014241
Gm12632	chr4:90856882-90857377	0.0001	0.8956	13.1286	0.223825
Gm12656	chr4:94497031-94497608	0.0001	0.6947	12.7622	0.227517
Gm12694	chr4:94979202-95028544	0.0001	0.3488	11.7683	0.376034
Gm26154	chr4:98661636-98661732	0.0001	2.9244	14.8358	0.367054
Gm12710	chr4:103103526-103103742	0.0001	1.0505	13.3588	0.208195
Gm12728	chr4:105794218-105794711	0.1122	0.5922	2.4003	0.306716
Skint3	chr4:112232244-112300468	0.0001	0.0479	8.9034	0.271228
NA	chr4:116733597-116733832	0.5453	2.2299	2.0319	0.556853
Best4-ps	chr4:117145256-117148637	0.0156	0.2881	4.2096	0.143141
Gm13015	chr4:117148922-117149126	0.3141	2.2465	2.8383	0.278465
Gm22980	chr4:117154092-117154162	0.0001	2.3640	14.5290	0.436588
Gm23287	chr4:117210843-117210959	0.0001	5.7338	15.8072	0.369288
Gm23382	chr4:118164077-118164181	0.0001	3.5801	15.1277	0.436588
Rimkla	chr4:119465282-119492628	0.0001	0.1433	10.4845	0.284362
Gm12946	chr4:126145978-126147735	0.0412	0.6716	4.0254	0.303633
Oprd1	chr4:132110725-132144486	0.0001	0.1351	10.3995	0.401299
Gm16225	chr4:135118220-135120447	0.0001	1.2529	13.6130	0.267870
Gm26226	chr4:140918683-140918799	0.3683	2.3241	2.6579	0.198332
Slc25a34	chr4:141618823-141623821	0.0001	0.1998	10.9645	0.154228
Gm26763	chr4:145601962-145711968	0.0001	0.3319	11.6964	0.104684
Gm13247	chr4:146502026-146539395	0.0001	0.0649	9.3427	0.319197
Gm13136	chr4:147735476-147738426	0.0146	0.1024	2.8118	0.427250
Gm23318	chr4:148555696-148555804	0.0001	1.7998	14.1356	0.290933
Gm13112	chr4:154864505-154872003	0.0001	0.1693	10.7255	0.364228
Vva1	chr4:155768148-155774698	0.0076	0.1832	4.5875	0.034636
Gm13648	chr4:156052714-156059802	0.0696	0.4622	2.7313	0.076688
Pde7b	chr10:20398003-20725078	0.0178	0.0524	1.5567	0.375741
Gm26464	chr10:42820462-42820767	0.1838	2.4914	3.7609	0.198180
Trpm2	chr10:77907721-77970563	0.0001	0.0628	9.2937	0.200842
Gm16104	chr10:81409574-81411579	0.3196	0.6033	0.9166	0.615782
Nuak1	chr10:84370904-84440597	0.0077	0.0290	1.9150	0.566860
Vvc2	chr11:11114222-11268931	0.0248	0.0595	1.2609	0.433255
Gm12009	chr11:15049157-15050257	0.1668	0.3801	1.1881	0.308707
Gm12328	chr11:73771923-73772120	0.3851	1.5137	1.9749	0.259347
C030013C21Rik	chr11:80507409-80509106	0.0001	0.3412	11.7365	0.158767
Adam11	chr11:102761438-102780262	0.0001	0.0514	9.0049	0.272923
Gm8738	chr11:103879914-103880243	0.0001	1.9587	14.2576	0.017271
Z310007L24Rik	chr11:106365473-106377114	0.3256	0.4521	0.4733	0.632274
Qrich2	chr11:116441324-116455237	0.1535	0.1645	0.0999	0.923702
Pde6g	chr11:120447604-120453500	0.0001	0.0874	9.7713	0.317527
4930426L24Rik	chr12:76402756-76403654	0.0671	0.3016	2.1675	0.508720
Gm17673	chr12:83954498-83984852	0.0212	0.1373	2.6967	0.337574
Gm26512	chr12:90738200-90750693	0.0429	0.1641	1.9337	0.168341
Gm22079	chr12:108862563-108862669	0.0001	3.2844	15.0034	0.265903
Mpc1-ps	chr12:110858069-110858942	0.0735	0.5412	2.8809	0.394387
Ighv9-4	chr12:114299960-114300254	0.0001	1.2169	13.5709	0.436588
Hist1h2aj	chr13:21721441-21722131	0.2208	0.8374	1.9232	0.269667
Gm24620	chr13:46767519-46767649	0.0001	1.9858	14.2775	0.255082
Gm15772	chr5:3236388-3236907	0.0541	0.4466	3.0459	0.357480
Tmem150c	chr5:100077871-100159808	0.0001	0.0591	9.2074	0.193522
Gm15547	chr5:121530562-121530895	0.5772	2.0558	1.8325	0.333783
Tspan33	chr6:29694221-29718559	0.0001	0.0377	8.5569	0.436588
Dennd2a	chr6:39462377-39557867	0.0198	0.0402	1.0246	0.606646
Fam131b	chr6:42315311-42324643	0.0261	0.1572	2.5895	0.196702
Igkv19-93	chr6:68736301-68736583	0.0001	1.4730	13.8464	0.436588
Gm15401	chr6:72629287-72637717	0.1145	0.2389	1.0617	0.372347
Clstn3	chr6:124430758-124464794	0.0001	0.0381	8.5755	0.352193
Klrc2	chr6:129647495-129660689	0.0001	0.0542	9.0830	0.202684
Klri1	chr6:129697217-129717132	0.1530	0.1941	0.3437	0.881693
Gm15873	chr7:4526535-4528184	0.0001	0.4397	12.1022	0.222409
Rtn2	chr7:19282661-19296164	0.1073	0.1205	0.1682	0.924413
Gm6096	chr7:34251037-34251493	0.6496	1.0392	0.6778	0.323395
Cpt1c	chr7:44959372-44974851	0.0001	0.2260	11.1423	0.024106
Izumo1	chr7:45621810-45628823	0.0001	0.1003	9.9701	0.356900

lfitm6	chr7:141015811-141016892	0.0001	1.0724	13.3886	0.229956
Gm16425	chr8:19535903-19538583	0.0001	0.1479	10.5307	0.038730
Rps12l2	chr8:36025752-36026133	0.1837	0.9303	2.3403	0.352722
Gm16205	chr8:37787665-37788692	0.0539	0.2958	2.4562	0.213934
Barx2	chr9:31846096-31913462	0.0001	0.1227	10.2608	0.334188
Scn2b	chr9:45117875-45130070	0.0001	0.1019	9.9930	0.061900
Apoa5	chr9:46268632-46271919	0.0001	0.0840	9.7151	0.436588
Nxpe4	chr9:48362040-48400025	0.0607	0.0741	0.2884	0.881821
Gm7589	chr9:59145673-59146210	0.4459	1.0075	1.1760	0.368105
Gm23344	chr9:64175047-64175115	0.0001	4.0803	15.3164	0.292424
Plscr2	chr9:92275601-92297752	0.0001	0.0595	9.2178	0.352193
Pomgnt2	chr9:121981605-121996026	0.0091	0.1267	3.7968	0.390136
Rpl19-ps12	chrX:6071221-6071812	0.0823	0.4862	2.5621	0.331784
Xkrx	chrX:134149042-134162076	0.0495	0.2854	2.5265	0.107830
Gm15131	chrX:150707020-150707615	0.2714	0.3934	0.5358	0.762585
Gm7083	chr15:59977721-59978171	0.0001	0.4298	12.0695	0.334490
Khdrbs3	chr15:68928419-69093512	0.0001	0.2223	11.1181	0.101596
Elf2	chr15:78670021-78718113	0.0001	0.0418	8.7085	0.317527
Pnpla3	chr15:84167815-84189512	0.0001	0.1949	10.9288	0.229380
Gm8237	chr14:5857917-5880382	0.0001	0.2350	11.1985	0.320209
Gm6043	chr14:29217638-29218130	0.1303	0.6576	2.3353	0.194078
Trav6d-3	chr14:52725298-52726917	0.0001	0.9204	13.1680	0.172103
Trav16d-dv11	chr14:53047286-53047821	0.3630	0.8033	1.1459	0.622606
Gm15918	chr14:63602523-63607372	0.1187	1.2976	3.4501	0.208569
Cldn20	chr17:3532553-3533213	0.0972	0.5826	2.5841	0.328046
Gm26848	chr17:6314198-6493180	0.0347	0.1875	2.4333	0.213299
Btnl6	chr17:34507803-34517352	0.0001	0.1156	10.1750	0.317527
NA	chr17:34507934-34517352	0.0001	0.1249	10.2870	0.317527
Nudt12os	chr17:58996250-59024981	0.0001	0.1744	10.7680	0.239478
Gm22558	chr16:17006106-17006201	0.0001	7.0144	16.0980	0.188970
Z610203C22Rik	chr1:9560831-9631175	0.0001	0.0709	9.4692	0.200470
A630095N17Rik	chr1:75220094-75232093	0.0001	0.2293	11.1632	0.392067
Gm7609	chr1:85199612-85213786	0.0001	0.0982	9.9400	0.274569
Gm7592	chr1:85526601-85552178	0.0434	0.2334	2.4266	0.144899
Gm16094	chr1:85599285-85599839	0.1501	1.2657	3.0757	0.181016
Lefty1	chr1:180935021-180938400	0.0001	0.1244	10.2807	0.326447
Gm10136	chr19:29003404-29003842	0.3230	0.8400	1.3788	0.276795
Morn4	chr19:42074938-42086370	0.0001	0.1383	10.4339	0.340955
Sfrp5	chr19:42197970-42202252	0.0718	0.1424	0.9878	0.675603
Gm15959	chr19:60815448-60815816	0.0581	1.2953	4.4781	0.306023
Adamtsl2	chr2:27079378-27108981	0.0135	0.0483	1.8432	0.282661
Slc39a1-ps	chr2:30159394-30160366	0.0001	0.2793	11.4475	0.239478
Lcn2	chr2:32384632-32387797	0.0001	0.5402	12.3992	0.291331
C79798	chr2:34287770-34304440	0.0239	0.1401	2.5503	0.427376
Tcp11l1	chr2:104657287-104712169	0.0125	0.0570	2.1877	0.287690
Thbd	chr2:148404470-148408188	0.0001	0.0482	8.9131	0.436588
Rpl21-ps9	chr2:156386740-156387222	0.0001	0.9243	13.1742	0.038537
Fhod3	chr18:24709444-25133500	0.0731	0.0869	0.2492	0.759182
Lrrc34	chr3:30624266-30647869	0.0001	0.1538	10.5869	0.272923
Ccdc169	chr3:55137338-55172935	0.0065	0.0954	3.8709	0.192832
Gm5540	chr3:65393300-65395231	0.0001	0.2635	11.3635	0.207271
Rxfp4	chr3:88651897-88653142	0.2266	0.3144	0.4722	0.795951
Gm27024	chr3:103179688-103180443	0.0284	0.5669	4.3200	0.153640
Chil3	chr3:106147553-106167564	0.0001	0.5321	12.3775	0.220010
Gm11839	chr4:12114283-12116236	0.0359	0.3714	3.3701	0.032392
Gm11931	chr4:33053837-33054284	0.0001	0.3947	11.9466	0.390226
Gm12751	chr4:34353979-34354854	0.1465	0.1859	0.3437	0.881693
Gm12631	chr4:88033500-88034998	0.2995	0.5101	0.7684	0.641148
Gm12850	chr4:107270433-107270869	0.0001	0.5549	12.4380	0.245280
Ccdc24	chr4:117866523-117872557	0.0191	0.0494	1.3705	0.585345
D130007C19Rik	chr4:123902128-123903634	0.1679	0.1872	0.1566	0.905733
Asap3	chr4:136206364-136245216	0.0001	0.1286	10.3286	0.045559
Fblim1	chr4:141576061-141606096	0.0001	0.0603	9.2360	0.219799
Gm17567	chr10:33994988-33995054	0.0001	11.3113	16.7874	0.373020
Mettl24	chr10:40683281-40811083	0.0001	0.2286	11.1587	0.094992
Gm15197	chr10:42330785-42331263	0.0001	0.4804	12.2301	0.278417
Gm15198	chr10:42435879-42436065	1.2156	2.6735	1.1371	0.420143
Gm23803	chr10:59817665-59817797	0.0001	1.4634	13.8370	0.436588
Pcbd1	chr10:61089342-61094328	0.0529	0.7841	3.8900	0.270354
Upb1	chr10:75406910-75441679	0.0001	0.0708	9.4684	0.083261
Gm16221	chr10:75945294-75945687	0.0001	1.1700	13.5142	0.360986

Mir1930	chr10:77641223-77641307	0.0001	4.9056	15.5821	0.214714
Mirlet7i	chr10:122985639-122985724	1.2561	4.6497	1.8881	0.326913
Ndufa4i2	chr10:127514938-127517152	0.1780	0.3180	0.8370	0.638827
Gm11979	chr11:6785837-6786580	0.0655	0.3234	2.3035	0.459479
4930554G24Rik	chr11:14072102-14179041	0.0001	0.2082	11.0240	0.436588
Gm12713	chr11:26409206-26410501	0.0001	0.6910	12.7545	0.283911
Mir146	chr11:43374396-43374461	0.0001	3.2219	14.9756	0.390547
Pik3r6	chr11:68503018-68552698	0.0001	0.1586	10.6309	0.347084
Gm11196	chr11:78585160-78585555	0.2163	1.2983	2.5854	0.125453
Gm11199	chr11:79451940-79452447	0.2949	0.5196	0.8172	0.748202
AU040972	chr11:79481718-79484031	0.0001	0.6340	12.6302	0.341919
Wfdc21	chr11:83746939-83752642	0.0001	0.4351	12.0873	0.395211
Lrrc46	chr11:97034601-97041407	0.0001	0.1940	10.9218	0.406658
Pnmt	chr11:98386449-98388181	0.0001	0.1979	10.9506	0.436588
Gm11940	chr11:99387339-99387897	0.0001	1.3801	13.7525	0.311075
Gm11615	chr11:101264761-101266303	0.0001	0.4994	12.2858	0.378650
Gm1564	chr11:102663715-102682237	0.0186	0.0865	2.2179	0.245419
Higd1b	chr11:102835848-102838040	0.0001	0.7518	12.8761	0.399886
Ace	chr11:105967944-105989964	0.0001	0.0723	9.4969	0.127722
Gm11722	chr11:107481915-107483107	0.1021	1.5597	3.9326	0.271177
A830035A12Rik	chr11:107531756-107548373	0.0497	0.4291	3.1100	0.331452
Gm11745	chr11:117134597-117135045	0.0478	0.9827	4.3627	0.323313
6030468B19Rik	chr11:117797659-117807301	0.0001	0.3760	11.8767	0.139211
Gm11750	chr11:118791371-118793828	0.0001	0.4519	12.1418	0.436588
Bahcc1	chr11:120232946-120292296	0.0001	0.0206	7.6887	0.436588
NA	chr11:121297748-121297819	2.2195	5.0530	1.1869	0.613221
NA	chr12:21367717-21367791	0.5772	6.7397	3.5455	0.189525
Gm24359	chr12:35000336-35000557	0.0001	1.5422	13.9127	0.223748
Aldoart2	chr12:55565238-55566896	0.0001	0.1696	10.7275	0.436588
Gm11025	chr12:57272663-57273312	0.4732	0.3943	-0.2631	0.867716
Rpl21-ps3	chr12:59094054-59094537	0.2699	0.5208	0.9482	0.647371
Gm26531	chr12:85962597-85979014	0.0001	0.1377	10.4271	0.291075
Ighv3-6	chr12:114288156-114288582	0.4371	1.5404	1.8171	0.578660
Ighv6-6	chr12:114434787-114435244	0.0001	1.1441	13.4819	0.378650
Ighv10-1	chr12:114479004-114479451	0.0001	0.5834	12.5103	0.390547
Ptprn2	chr12:116485719-117278167	0.0001	0.1041	10.0232	0.206326
Trgj2	chr13:19311244-19311304	0.0001	6.4540	15.9779	0.261589
Zfp389	chr13:21504315-21506524	0.0001	0.2888	11.4958	0.343740
Gm5447	chr13:30974203-30975976	0.1384	0.3237	1.2259	0.456920
Gcm2	chr13:41101426-41109988	0.0001	0.0977	9.9320	0.436588
F12	chr13:55417957-55426793	0.0001	0.1675	10.7102	0.273456
Catsper3	chr13:55784567-55808998	0.0602	0.1530	1.3469	0.573092
Gm24539	chr13:62136929-62137062	1.2292	3.4328	1.4817	0.621405
Gm16132	chr13:63376760-63381045	0.0001	0.5037	12.2984	0.184020
Slc9a3	chr13:74121514-74166064	0.0516	0.1518	1.5576	0.578413
Gm4149	chr13:75644863-75645226	0.4460	1.3192	1.5647	0.367003
Mir682	chr13:75645045-75645141	1.6814	3.7296	1.1493	0.596505
Gm25109	chr13:94517161-94517275	1.3112	3.9318	1.5843	0.249627
Gm17160	chr13:102762434-102764785	0.0001	1.8136	14.1466	0.395824
3830408C21Rik	chr13:107031962-107033673	0.0375	0.4725	3.6540	0.379428
Gm2822	chr13:108313098-108316273	0.0001	0.0861	9.7504	0.340693
Gm20432	chr5:25433035-25433285	0.5126	1.8886	1.8815	0.419335
Rnf32	chr5:29195991-29225524	0.0391	0.2035	2.3804	0.264305
4632411P08Rik	chr5:29378698-29390488	0.0001	0.0981	9.9377	0.181451
Mir1960	chr5:30170738-30170816	0.0001	4.4359	15.4369	0.322417
Gm15461	chr5:30817976-30822612	1.1907	0.8035	-0.5674	0.718665
Bst1	chr5:43818885-43843247	0.0001	0.1274	10.3146	0.307250
Gm16015	chr5:43909214-43909885	0.0001	1.6341	13.9962	0.322593
Rbm47	chr5:66016548-66173117	0.0126	0.0760	2.5977	0.345776
Arl9	chr5:77004054-77010606	0.0001	0.6475	12.6606	0.354085
Gm23222	chr5:100500142-100500218	0.0001	6.3402	15.9522	0.310487
Pkd2	chr5:104459449-104505819	0.0001	0.0308	8.2655	0.307964
Crybb1	chr5:112255814-112269585	0.0001	0.3032	11.5659	0.436588
Oas1g	chr5:120876141-120887613	0.0001	0.1052	10.0394	0.306152
Morn3	chr5:123035768-123047016	0.0948	0.3057	1.6895	0.346045
Gm6444	chr5:123066241-123066699	0.1224	0.7629	2.6396	0.347265
Pitpnm2os2	chr5:124194906-124200346	0.0140	1.6796	6.9101	0.410787
Gm6139	chr5:129622989-129623655	0.1151	0.3786	1.7176	0.437445
Fzd9	chr5:135248937-135251230	0.0560	0.1887	1.7534	0.489593
Ephb4	chr5:137350108-137378669	0.0001	0.0531	9.0521	0.436588
Sdk1	chr5:141241489-142215586	0.0001	0.0219	7.7735	0.404432

Gm6433	chr5:141267580-141268455	0.2728	0.6416	1.2337	0.135150
Gm15409	chr5:148959277-148961712	0.0540	0.5137	3.2507	0.251563
Gm6578	chr6:12099517-12109583	0.0001	0.1786	10.8021	0.436588
Vwde	chr6:13185612-13224965	0.0001	0.0885	9.7891	0.345599
Gm13899	chr6:17711686-17712941	0.0511	0.6447	3.6561	0.267814
Gm14532	chr6:31356742-31372369	0.0001	1.5642	13.9332	0.392451
Akr1d1	chr6:37530172-37568815	0.0001	0.0900	9.8145	0.400019
Wee2	chr6:40442862-40466813	0.0001	0.1701	10.7318	0.300746
Gm25108	chr6:42275649-42275727	0.0001	4.4302	15.4351	0.384541
Gm24355	chr6:52639233-52639355	1.3400	2.9672	1.1469	0.552267
Fkbp14	chr6:54577603-54597344	0.0256	0.0915	1.8378	0.481283
Snca	chr6:60731572-60829855	0.0001	0.1563	10.6096	0.296368
Smyd1	chr6:71213939-71322233	0.0001	0.0788	9.6215	0.225117
Tacr1	chr6:82402474-82560103	0.0635	0.0665	0.0655	0.964515
Noto	chr6:85423885-85428876	0.0001	0.3156	11.6238	0.124825
4930590J08Rik	chr6:91914758-91950640	0.0153	0.1129	2.8796	0.499460
Magi1	chr6:93675454-94283322	0.0029	0.1191	5.3734	0.260435
Gm16199	chr6:120005997-120006285	0.0001	1.3264	13.6952	0.416433
Gm16557	chr6:122563282-122563473	0.0001	1.9437	14.2465	0.346741
Clec4b1	chr6:123049961-123071555	0.0001	0.2913	11.5081	0.436588
Clec4b2	chr6:123172892-123204671	0.0001	0.2544	11.3127	0.436588
Klri2	chr6:129729040-129740484	0.0110	0.3767	5.0961	0.323906
Klra7	chr6:130218604-130233322	0.0001	0.2143	11.0654	0.335828
Klra13-ps	chr6:130291160-130306432	0.0001	0.3646	11.8320	0.436588
D6Ert474e	chr6:143245887-143297272	0.0001	0.1123	10.1335	0.218287
Gm21814	chr6:149582011-149583656	0.0001	1.1034	13.4297	0.092847
Tarm1	chr7:3489078-3502465	0.0001	0.3647	11.8373	0.436588
Ssc5d	chr7:4925843-4944821	0.0001	0.0647	9.3378	0.292089
Gm5321	chr7:6019021-6019468	0.5637	0.6232	0.1447	0.902277
Gm26325	chr7:12930773-12930880	0.0001	2.0983	14.3569	0.400393
Snord23	chr7:15938761-15938870	0.0001	3.1293	14.9335	0.148901
Dact3	chr7:16875316-16887301	0.0001	0.1828	10.8362	0.039725
Ckm	chr7:19411093-19421583	0.0001	0.2334	11.1884	0.124359
Cadm4	chr7:24482022-24504539	0.0297	0.2732	3.1995	0.382029
Cd177	chr7:24743984-24760311	0.0316	0.1717	2.4423	0.493611
Fxyd3	chr7:31068171-31076704	0.0001	0.0738	9.5274	0.258279
Kctd15	chr7:34639013-34655509	0.0001	0.0926	9.8546	0.408596
Rpl17-ps9	chr7:36118273-36118828	0.2934	0.7425	1.3394	0.584219
Siglecf	chr7:43351340-43359531	0.0001	0.1149	10.1657	0.196938
Cd33	chr7:43527455-43533171	0.0167	0.2206	3.7225	0.388503
Klk1b8	chr7:43950663-43954941	0.0001	0.3476	11.7633	0.436588
Lin7b	chr7:45367890-45370583	0.0439	0.2606	2.5702	0.081791
Apba2	chr7:64501705-64753870	0.0001	0.0470	8.8758	0.436588
Synn	chr7:67730160-67759742	0.0055	0.0439	2.9879	0.413891
Wdr93	chr7:79743162-79785950	0.0188	0.1468	2.9662	0.248245
2610034B18Rik	chr7:79925360-79935359	0.0001	0.2177	11.0882	0.235731
Gm2115	chr7:84528974-84578337	0.1045	0.0955	-0.1300	0.952125
B3gnt6	chr7:98192419-98199481	0.0001	0.1270	10.3111	0.160556
Trim30b	chr7:104355381-104369884	0.0001	0.0966	9.9156	0.235366
Mrps36-ps2	chr7:105690258-105690567	0.0001	0.6820	12.7356	0.436588
Olf695	chr7:106713731-106716345	0.0228	0.2633	3.5304	0.475612
Trim66	chr7:109449005-109508134	0.0001	0.0295	8.2023	0.404436
Gm14423	chr7:122550434-122550555	0.0001	1.5605	13.9297	0.395211
Nupr1	chr7:126623248-126627010	0.0436	0.1571	1.8481	0.554451
Odf3	chr7:140847804-140851018	0.0622	0.3848	2.6297	0.413841
Kcnq1	chr7:143107253-143427042	0.0001	0.2807	11.4547	0.307481
Shank2	chr7:144001927-144424494	0.0001	0.0277	8.1143	0.300433
1700016D06Rik	chr8:11654920-11678750	0.0001	0.3092	11.5942	0.311341
Gm25014	chr8:13283114-13283214	0.0001	2.9231	14.8352	0.247997
Snord13	chr8:31149863-31149967	0.4107	6.0093	3.8709	0.284228
Gm10654	chr8:70931404-70933037	0.0001	0.3135	11.6141	0.345131
Gm10282	chr8:72304117-72305276	0.0001	0.3366	11.7167	0.281765
Gm8054	chr8:78869400-78869868	0.3777	0.7853	1.0559	0.672690
Gm26887	chr8:84192773-84197667	0.0001	0.7012	12.7755	0.164601
Hp	chr8:109575129-109579172	0.0160	0.3181	4.3132	0.187456
Gm22193	chr8:110842382-110842458	3.5074	5.3646	0.6131	0.652206
Gm10614	chr8:120589530-120593801	0.0001	0.1721	10.7491	0.308606
NA	chr8:123376891-123377175	0.0001	0.9275	13.1792	0.436588
Gm24918	chr9:3352656-3352786	0.0001	2.1795	14.4117	0.183597
Mmp8	chr9:7558428-7568486	0.0001	0.4265	12.0583	0.345559
Gm16164	chr9:22677850-22678318	0.2330	0.3753	0.6880	0.780853

Arhgap32	chr9:32116135-32268446	0.0001	0.0194	7.5992	0.163600
Gm17099	chr9:45172996-45175161	0.0001	0.7899	12.9474	0.314779
Ncam1	chr9:49504360-49798922	0.0001	0.0621	9.2780	0.272580
1810046K07Rik	chr9:51289685-51328917	0.1338	0.3484	1.3804	0.614340
Gm6257	chr9:63443165-63444075	0.1409	0.4757	1.7555	0.451589
Gm16218	chr9:65297531-65297919	0.1652	0.9525	2.5276	0.256213
Gm22657	chr9:65952313-65952445	0.0001	3.3592	15.0358	0.154445
Aph1c	chr9:66814993-66834726	0.0001	0.0713	9.4781	0.308788
Scg3	chr9:75643263-75683996	0.0001	0.1328	10.3754	0.436588
9430037G07Rik	chr9:88595324-88599516	0.0058	0.0701	3.6025	0.352981
Gm6223	chr9:90118888-90120741	0.0808	0.1584	0.9717	0.634044
1700057G04Rik	chr9:92309376-92357876	0.0326	0.0891	1.4520	0.625374
Trim42	chr9:97349561-97369958	0.0001	0.1142	10.1570	0.436588
Camkv	chr9:107935919-107949691	0.0353	0.1094	1.6305	0.454764
2310075C17Rik	chr9:112227578-112228242	0.0001	1.0235	13.3212	0.436588
4930516B21Rik	chr9:119440277-119444830	0.0001	0.2058	11.0072	0.436588
Zfp105	chr9:122923071-122931028	0.0001	0.1149	10.1662	0.397325
Mir188	chrX:7247988-7248056	0.0001	6.1976	15.9194	0.436588
Gm14720	chrX:7714332-7722100	0.0001	0.7216	12.8170	0.157178
Gm6829	chrX:9327748-9328108	0.0001	1.2161	13.5700	0.090661
Sytl5	chrX:9885621-9994543	0.0001	0.2272	11.1499	0.360502
Gm9432	chrX:12619473-12620232	0.0001	0.2777	11.4394	0.436588
Gm5380	chrX:13302284-13304420	0.0001	0.2362	11.2055	0.279634
Gpr82	chrX:13661362-13667433	0.0001	0.1521	10.5708	0.262140
Fhl1	chrX:56731786-56793346	0.0001	0.0568	9.1506	0.436588
Mir505	chrX:60394402-60394492	0.0001	2.1463	14.3895	0.436588
Gm15384	chrX:75551116-75551824	0.1758	0.9055	2.3645	0.376515
Gm23121	chrX:77579486-77579659	0.0001	3.8206	15.2215	0.303061
Gm6964	chrX:85793683-85794120	0.3910	0.8288	1.0839	0.503351
Gm14762	chrX:85825891-85834831	0.0001	0.1499	10.5493	0.326238
Gm6977	chrX:90744545-90745062	0.0001	0.5145	12.3291	0.436588
Mir223	chrX:96242816-96242926	0.0001	1.7561	14.1001	0.436588
Gdpd2	chrX:100729872-100738895	0.0001	0.0449	8.8098	0.398819
Gm14866	chrX:100736982-100740929	0.0102	0.0913	3.1646	0.487334
Gm14858	chrX:102252521-102365498	0.0912	0.3104	1.7668	0.298148
Mir421	chrX:103572914-103572999	0.0001	4.1870	15.3536	0.280010
Gm9673	chrX:105032585-105033366	0.0001	0.3642	11.8304	0.195728
Gm4992	chrX:121913226-121913994	0.0634	0.4860	2.9388	0.310263
Nxf2	chrX:134944525-134964754	0.0001	0.2257	11.1401	0.075597
Gm15190	chrX:159584782-159585058	0.0001	2.0861	14.3485	0.321930
Tlr8	chrX:167242695-167264329	0.0001	0.1509	10.5590	0.313601
Ugt3a2	chr15:9335549-9370955	0.0001	0.1127	10.1380	0.198796
Prlr	chr15:10177237-10349180	0.0001	0.0438	8.7746	0.272352
Gm24771	chr15:35487399-35487536	0.0001	3.1945	14.9633	0.110935
Fbxo43	chr15:36150059-36164884	0.0054	0.0694	3.6862	0.437532
Angpt1	chr15:42424726-42676977	0.0001	0.0785	9.6164	0.436588
Fer1f6	chr15:58510047-58665092	0.0001	0.0464	8.8580	0.224553
Mafa	chr15:75746842-75747922	0.0001	0.2665	11.3797	0.227175
Apol11b	chr15:77633950-77643286	0.0001	0.1004	9.9718	0.295398
Gm22067	chr15:81592092-81592199	0.3992	5.1313	3.6841	0.371025
Ppara	chr15:85734982-85802819	0.0335	0.1145	1.7737	0.583236
Gm24011	chr15:86149583-86149851	0.0001	1.3150	13.6828	0.261760
Gm20621	chr15:88889779-88891525	0.0733	0.4028	2.4576	0.282578
Mapk8ip2	chr15:89453912-89464468	0.0001	0.0900	9.8136	0.094227
Ccdc65	chr15:98708206-98723326	0.0001	0.1209	10.2394	0.436588
4930578M01Rik	chr15:98985964-98989281	0.0001	0.6332	12.6283	0.210632
6030408B16Rik	chr15:101293211-101296615	0.0001	0.5327	12.3792	0.345259
Krt80	chr15:101349570-101370125	0.0001	0.2007	10.9709	0.280010
Gm10406	chr14:7006114-7027449	0.0532	0.2095	1.9786	0.250732
Mir3075	chr14:25534438-25534523	0.0001	3.4118	15.0582	0.272580
Eif1-ps1	chr14:40006219-40006555	0.0001	0.6272	12.6148	0.436588
Trav12d-1	chr14:52844464-52845039	0.0001	0.8285	13.0163	0.145315
Trav14d-1	chr14:52855613-52856165	0.4643	0.6472	0.4793	0.813304
Trdv2-1	chr14:53946072-53946660	0.0001	1.2725	13.6354	0.436588
Npm2	chr14:70647301-70653084	0.0001	0.3310	11.6924	0.412154
Dach1	chr14:97786852-98169765	0.0001	0.0265	8.0497	0.436588
Mir17	chr14:115043670-115043754	1.2711	4.8827	1.9416	0.486217
NA	chr14:119290171-119290238	0.0001	5.5038	15.7482	0.436588
Nalcn	chr14:123276640-123627144	0.0001	0.0939	9.8747	0.436588
Gm26622	chr17:5837967-5838265	0.0001	0.9878	13.2700	0.300433
Dynl1b	chr17:6430111-6436293	0.0557	0.5096	3.1934	0.364217

Mas1	chr17:12841078-12868143	0.0001	0.1518	10.5681	0.364341
Prss30	chr17:23972125-23975230	0.1152	0.1433	0.3139	0.836331
Rnf151	chr17:24715838-24718057	0.0001	0.3956	11.9497	0.374533
Cbs	chr17:31612622-31637199	0.0001	0.1054	10.0415	0.159729
Cyp4f39	chr17:32468461-32492479	0.1494	0.2594	0.7959	0.553307
Ncr3-ps	chr17:35180534-35184662	0.0001	0.9044	13.1427	0.191257
Gm27670	chr17:35253950-35254039	0.7199	1.9731	1.4547	0.625374
Psors1c2	chr17:35533200-35534647	0.0001	0.3303	11.6895	0.366441
2410017117Rik	chr17:36145017-36162573	0.0001	0.1794	10.8091	0.266836
Ubd	chr17:37193891-37196095	0.0001	0.4150	12.0190	0.436588
Frs3	chr17:47689029-47704286	0.0274	0.1499	2.4518	0.153385
Emr4	chr17:55749983-55853662	0.0081	0.1691	4.3795	0.304253
Rasgrp3	chr17:75435904-75529043	0.0384	0.1389	1.8549	0.447333
Gm4279	chr16:11688168-11691857	0.0001	0.1505	10.5554	0.216571
Igll1	chr16:16860670-16863985	0.0001	0.4258	12.0561	0.346197
Gm15646	chr16:17139674-17140483	0.0001	0.5643	12.4623	0.314001
Gm25777	chr16:18240716-18240842	1.5253	3.1951	1.0668	0.678723
Mir1224	chr16:20604451-20604536	0.0001	3.0530	14.8979	0.322417
Gm26744	chr16:21843450-21845776	0.0001	0.1827	10.8352	0.436588
Gm15694	chr16:31987177-31987460	0.3019	1.6275	2.4305	0.106528
Maats1os	chr16:38302615-38305020	0.0001	0.9696	13.2432	0.436588
4932412D23Rik	chr16:42725701-42875762	0.0001	0.0553	9.1108	0.436588
Myh15	chr16:49057485-49199104	0.0310	0.0538	0.7941	0.697384
Tmem30c	chr16:57266138-57292865	0.0001	0.1456	10.5083	0.232639
Gm26800	chr16:57280889-57281496	0.0001	1.1536	13.4939	0.412994
Olfr177	chr16:58872218-58873148	0.1379	0.2996	1.1198	0.539118
Olfr181	chr16:58925556-58928644	0.0001	0.4237	12.0488	0.336210
Mir155	chr16:84714139-84714204	0.0001	3.4252	15.0639	0.353103
Ripply3	chr16:94328419-94336935	0.0001	0.3572	11.8027	0.091892
Ripk4	chr16:97741932-97763737	0.0346	0.1339	1.9539	0.425327
Gm26901	chr1:7349405-7397801	0.0001	0.2136	11.0607	0.374526
Gm3940	chr1:52090634-52091066	0.1638	1.4324	3.1285	0.153685
Gm16107	chr1:52873136-52873998	0.0001	0.5005	12.2892	0.195679
Rps27-ps1	chr1:63073773-63074019	0.3473	2.8958	3.0597	0.271023
Fn1	chr1:71585522-71653171	0.0001	0.1496	10.5473	0.386811
Cxcr2	chr1:74153988-74161238	0.0071	0.2113	4.8906	0.295248
Sphkap	chr1:83254138-83408200	0.0001	0.0403	8.6558	0.436588
Pid1	chr1:84036295-84364180	0.0001	0.0469	8.8749	0.135051
Serpinb10	chr1:107529002-107549271	0.0429	0.1018	1.2460	0.586724
NA	chr1:107535507-107547072	0.1110	0.3550	1.6777	0.529234
Gm23939	chr1:133601222-133601355	0.0001	5.4696	15.7391	0.220271
Gm26706	chr1:133610410-133614422	0.0001	0.3636	11.8279	0.209539
Gm26979	chr1:137917689-137921312	0.0001	1.7543	14.0986	0.389609
Rgs18	chr1:144752682-144775435	0.0001	0.1933	10.9164	0.194956
Lhx4	chr1:155698035-155742120	0.0001	0.0393	8.6183	0.364263
Gm23528	chr1:160645572-160645704	0.0001	3.1975	14.9646	0.297852
Tnfrsf18	chr1:161494654-161505290	0.0001	0.3610	11.8180	0.246696
Fcgr4	chr1:171018919-171029761	0.0001	0.3185	11.6373	0.363263
A1607873	chr1:173723429-173741809	0.0062	0.2002	5.0054	0.227323
Gm23805	chr1:175904544-175904651	0.0001	3.4221	15.0626	0.383716
6330403A02Rik	chr1:180432386-180483504	0.0001	0.0448	8.8073	0.374507
NA	chr1:180733794-180733882	0.0001	2.6455	14.6913	0.333305
Hlx	chr1:184727139-184732619	0.0001	0.1210	10.2412	0.240798
Gm26574	chr1:189833140-189836620	0.0001	0.1946	10.9262	0.242008
Atf3	chr1:191170295-191183340	0.0001	0.1923	10.9090	0.221980
NA	chr19:6359373-6359433	0.0001	4.6826	15.5150	0.436588
Gm16437	chr19:7668286-7668793	0.0422	0.6156	3.8662	0.253985
Gm10212	chr19:11569446-11573114	0.0001	0.5977	12.5453	0.352450
Gm17068	chr19:16277796-16278776	0.0001	0.4596	12.1663	0.287310
Blnk	chr19:40928926-40994535	0.0001	0.0471	8.8782	0.225791
Slit1	chr19:41600256-41743665	0.0001	0.1269	10.3089	0.304049
Neurl1a	chr19:47178819-47259440	0.0001	0.1304	10.3491	0.259465
Sorcs1	chr19:50143300-50678646	0.0373	0.0511	0.4524	0.774755
Plekhs1	chr19:56461636-56486729	0.0001	0.1186	10.2114	0.263462
Gm13220	chr2:9575835-9576343	0.0001	0.6743	12.7192	0.390845
Gm24806	chr2:10517336-10517426	1.5563	4.3207	1.4732	0.372280
Gm13356	chr2:22762743-22763078	0.0837	1.0484	3.6466	0.472564
Ccdc183	chr2:25608634-25617678	0.0903	0.0778	-0.2156	0.887160
Fcnb	chr2:28076377-28084885	0.0001	0.1837	10.8431	0.436588
1700026L06Rik	chr2:28692079-28699727	0.0001	0.5282	12.3669	0.203872
Gm16323	chr2:30413715-30415338	0.4031	0.9177	1.1868	0.325467

Ppapdc3	chr2:32095527-32110820	0.0001	0.1081	10.0778	0.304619
Gm25632	chr2:32225652-32225737	0.0001	4.1012	15.3238	0.380969
Gm13407	chr2:34412987-34413347	0.4746	1.9112	2.0096	0.246086
Gm13522	chr2:52385915-52388260	0.0001	0.8161	12.9946	0.132000
Bloc1s2-ps	chr2:52619731-52620601	0.0246	0.5685	4.5279	0.150733
Gm13535	chr2:57272563-57275686	0.0001	0.1773	10.7918	0.340693
Acvr1	chr2:58388643-58567157	0.0001	0.0987	9.9471	0.262550
Gm13642	chr2:71412530-71412917	0.7935	0.9970	0.3294	0.689132
Gm13920	chr2:102057586-102061430	0.0001	0.1242	10.2784	0.398819
Cd59a	chr2:104095800-104115354	0.0119	0.3129	4.7177	0.412165
Gm13977	chr2:115556785-115581555	0.0001	0.0805	9.6529	0.136568
Ankrd63	chr2:118699102-118703963	0.0045	0.0684	3.9274	0.284207
Gchfr	chr2:119167772-119172390	0.2318	0.5017	1.1136	0.532837
Chac1	chr2:119351228-119354381	0.0001	0.2032	10.9888	0.302198
Gm14025	chr2:129038144-129048172	0.0231	0.2223	3.2691	0.445881
Gm14022	chr2:129060945-129065686	0.0001	0.5977	12.5451	0.319963
Gm14284	chr2:131322087-131322366	0.6335	1.4813	1.2254	0.303990
Gm14211	chr2:135686173-135693154	0.0001	0.6998	12.7727	0.352779
Gm23598	chr2:150883722-150883866	0.0001	1.7085	14.0604	0.306152
1700003F12Rik	chr2:154547084-154550003	0.0001	0.3832	11.9038	0.198720
4930519P11Rik	chr2:154612936-154613437	0.0427	0.6387	3.9020	0.143970
Mafb	chr2:160363676-160367065	0.0001	0.0571	9.1572	0.436588
Ocstamp	chr2:165393759-165400405	0.0001	0.0625	9.2882	0.436588
Slc13a3	chr2:165405027-165473230	0.0001	0.0723	9.4977	0.272799
Gm11464	chr2:165980725-165992517	0.0001	0.6177	12.5927	0.185917
Gm14296	chr2:176892508-176927809	0.0001	0.0214	7.7448	0.436588
Gm14323	chr2:177892637-177893264	0.0448	0.3503	2.9679	0.426349
Myt1	chr2:181763331-181827797	0.0001	0.0656	9.3573	0.419605
Gm10557	chr18:4198215-4198969	0.3932	0.6579	0.7427	0.591499
Gm26244	chr18:10150976-10151140	0.5031	2.1329	2.0837	0.350442
Gm16558	chr18:25391800-25392332	0.0001	0.5152	12.3308	0.330015
NA	chr18:31890626-31890715	2.1594	4.6590	1.1094	0.601547
Pcdhb4	chr18:37307454-37311173	0.0001	0.1288	10.3309	0.387389
Gm15333	chr18:39341600-39341964	0.0001	0.8684	13.0842	0.436588
Pabpc2	chr18:39773496-39776082	0.0001	0.2039	10.9935	0.376658
Jakmip2	chr18:43531407-43687773	0.0240	0.1154	2.2629	0.304098
Arhgef37	chr18:61493793-61536536	0.0001	0.0653	9.3500	0.436588
Gm24384	chr18:63909081-63909156	0.0001	4.2807	15.3855	0.280542
NA	chr18:67782504-67782756	0.0001	1.8553	14.1794	0.173781
Gm15467	chr3:8881198-8881643	0.0481	0.7949	4.0472	0.325332
Fabp4	chr3:10204346-10208576	0.0001	0.5905	12.5277	0.120373
A930001A20Rik	chr3:14971200-15002727	0.0001	0.2351	11.1992	0.280542
Sirpb1a	chr3:15371826-15426427	0.0001	0.1986	10.9555	0.397325
Kcnmb3	chr3:32472320-32491969	0.1187	0.6109	2.3634	0.189372
Rpl32-ps	chr3:69716985-69717393	0.4711	1.6032	1.7668	0.118718
Gm9762	chr3:78966355-78966799	0.0001	1.8780	14.1969	0.273933
Gm3513	chr3:79551313-79552193	0.0001	0.2965	11.5338	0.395211
C2cd4d	chr3:94362443-94364567	0.1461	0.1859	0.3475	0.844621
Oaz3	chr3:94433389-94436616	0.0001	0.5769	12.4940	0.159112
Gja5	chr3:97032415-97053634	0.0001	0.1059	10.0480	0.126316
Gm17651	chr3:97673030-97674694	0.0001	7.3166	16.1589	0.436588
Adora3	chr3:105870857-105908928	0.0001	0.1166	10.1879	0.410299
Eps8l3	chr3:107877229-107892899	0.1154	0.0930	-0.3113	0.860005
4933431E20Rik	chr3:107888849-107896213	0.0064	0.0517	3.0230	0.211999
Gstm1	chr3:108012254-108017973	0.2008	0.3510	0.8056	0.537735
Mir669n	chr3:115979901-115979955	2.3726	7.9718	1.7484	0.492597
F3	chr3:121723536-121735052	0.0001	0.1452	10.5041	0.378650
Gm9387	chr3:128953781-128955098	0.0325	0.2692	3.0492	0.112267
Sgms2	chr3:131318984-131344940	0.0183	0.0783	2.0983	0.315945
Bdh2	chr3:135281220-135304426	0.0001	0.3305	11.6904	0.121705
Gm16100	chr3:135495652-135495883	0.5898	2.3443	1.9909	0.372357
Oaz2-ps	chr3:135525963-135526532	0.1194	0.5904	2.3060	0.330785
Gm16325	chr3:146641931-146651715	0.0001	0.1878	10.8751	0.374095
4930503B20Rik	chr3:146645192-146651317	0.0001	0.3535	11.7875	0.368709
Clvs1	chr4:9269292-9451691	0.0001	0.0496	8.9556	0.206033
Al464131	chr4:41495603-41503076	0.0001	0.1010	9.9795	0.436588
Olf157	chr4:43834751-43836517	0.0001	0.2154	11.0726	0.099283
Gm12444	chr4:46243013-46243890	0.0001	0.3607	11.8166	0.335252
n-R5s185	chr4:53860651-53860770	0.0001	3.9017	15.2518	0.305388
Gm12536	chr4:57300095-57307305	0.0001	0.8847	13.1110	0.245023
Gm11211	chr4:62723515-62727537	0.0001	0.6570	12.6818	0.319143

Gm11224	chr4:69954165-69955276	0.1154	0.9024	2.9669	0.401194
Gm11250	chr4:72168767-72169449	0.0001	0.9345	13.1900	0.259112
lfne	chr4:88879537-88880201	0.0001	0.2910	11.5068	0.436588
Gm12704	chr4:95039161-95039625	0.1065	0.6272	2.5582	0.461518
NA	chr4:99272670-99275145	0.0001	0.0852	9.7353	0.436588
Ldlrad1	chr4:107209179-107218060	0.0587	0.3949	2.7500	0.167517
Gm12833	chr4:115480799-115481276	0.0001	0.5313	12.3754	0.328111
Col9a2	chr4:121039384-121055322	0.0415	0.0611	0.5583	0.802106
Gm12900	chr4:123274899-123275472	0.0476	1.1172	4.5513	0.161404
Rspo1	chr4:124986429-125009099	0.0001	0.1088	10.0878	0.436588
Col8a2	chr4:126286792-126314330	0.0495	0.1328	1.4251	0.564245
Gm12928	chr4:126476726-126477299	0.0001	0.4401	12.1035	0.279634
Gm13007	chr4:135997522-135997887	0.2303	1.5326	2.7342	0.202512
Ephb2	chr4:136647538-136835988	0.0001	0.0335	8.3891	0.436588
C1qa	chr4:136895916-136898803	0.0001	0.5168	12.3355	0.384892
Arhgef19	chr4:141239574-141257564	0.0001	0.0992	9.9543	0.337958
Clnkb	chr4:141404352-141416014	0.0001	0.1433	10.4844	0.309147
Gm22039	chr4:143204064-143204196	0.0001	4.7479	15.5350	0.201861
Gm13080	chr4:143611657-143612077	0.2035	1.0717	2.3970	0.425414
Gm13245	chr4:146480666-146480926	0.0001	1.0557	13.3659	0.260542
Gm13140	chr4:146942475-146945825	0.0422	0.1740	2.0439	0.301151
Gm13201	chr4:148071391-148075420	0.1049	0.3290	1.6493	0.428953
Gm9506	chr4:149096382-149096702	0.0001	1.3089	13.6761	0.390547
Rbp7	chr4:149449686-149454978	0.0001	0.3896	11.9277	0.402369
n-R5s193	chr4:149817731-149817840	0.0001	2.2555	14.4611	0.436588