

Supporting online material

Materials and Methods

Materials and reagents. All reagents were obtained from Sigma-Aldrich (St Louis, USA) unless stated otherwise.

Mouse husbandry and longevity study. Generation and genotyping of S6K1 mutant mice are described elsewhere (S1). Male and female *S6K1^{-/-}* and wild-type (WT) controls were generated from heterozygous breeding pairs and maintained on a C57BL/6 background after 10 backcrosses. Mice were housed in groups of three to eight same-sex littermates under specific pathogen-free conditions within individually ventilated cages (Techniplast UK Ltd, UK), as previously described (S2, S3), with *ad libitum* access to water and chow (2018 Teklad Global, Harlan Teklad, UK). Individuals were monitored daily and weighed monthly, but otherwise left undisturbed until they died. Survival was assessed from 52 female (29 *S6K1^{-/-}*, 23 WT) and 45 male (19 *S6K1^{-/-}*, 26 WT) mice, with all animals dead by the time of this report. Kaplan-Meier survival curves were constructed using known birth and death dates, with differences between groups evaluated using the log-rank test. Separate cohorts of *S6K1^{-/-}* and WT female mice, derived from the same breeding pairs used to generate mice for the longevity study, but not included in the longevity study, were killed at 600 days of age for hormonal, metabolic and gene expression analyses. If death appeared imminent mice were weighed, euthanized and examined for macroscopic pathological changes using previously described protocols (S2, S3) with this date considered date of death. 10% of animals in the longevity study were euthanized, with the remainder dying spontaneously. Maximum (and minimum) lifespan was calculated from the oldest (youngest) 10% of individuals per group. Age at death was assessed using Cox regression analysis with date of birth, parental identity, sex and genotype included as independent variables (S3, S4). All procedures followed the 1986 UK Home Office Animals Procedures Act and in accordance with local ethical committee guidelines.

Metabolic studies. Fed/fasting blood glucose, glucose tolerance, fasting plasma insulin, fasting plasma leptin, fat mass and food intake were determined as previously described (S2). Insulin resistance was estimated using the updated homeostatic model assessment (HOMA2) model. Resting metabolic rate was measured by open-flow respirometry (Flow Max 210, Columbus Instruments, USA) and core body temperature determined using a rectal probe (Digitron Instrumentation Ltd, UK).

Pituitary hormone and plasma IGF1 assays. Pituitary glands were dissected and homogenised in 1ml of phosphate-buffered saline. Growth hormone, prolactin, luteinising hormone and thyroid stimulating hormone were measured as previously described (S2) using specific reagents provided by Dr A. L. Parlow and the National Institute of Diabetes and Digestive and Kidney Diseases, National Institute of Health, Bethesda, USA. Plasma IGF1 was measured by radioimmunoassay as described previously (S2).

Measurement of T cell surface marker expression. Naïve/memory CD4 and CD8 T cell subsets in venous blood were determined using flow cytometry as previously described (S2).

Behavioural analysis. General activity and exploratory drive were assayed in an open field arena. Female mice, at 600 days of age, were placed into the center of a chamber (45 × 45 × 30 cm) and allowed to explore for a period of 10 min. Activity was tracked using an automated computer system program (HVS Image 2100, Hampton, UK). Rotarod (Accelerating Model, Ugo Basile, Italy) was used to measure fore- and hind-limb motor coordination and balance. Mice were trained at 600 days of age, receiving two trials per day for two consecutive days. The rod accelerated from 5 to 40 rpm over 300 s and the latency to fall was recorded. Mice remaining on the apparatus after 300 s were removed and their time scored as 300 s.

Generation, normalisation and analysis of microarray data. Liver, skeletal muscle (gastrocnemius) and white adipose tissue mRNA was extracted from four 600 day old female *S6K1*^{-/-} and four female WT littermates following standard protocols. Transcript changes were measured using mouse whole-genome oligonucleotide microarrays (Mouse Genome 430 2.0 Array, Affymetrix UK, UK). All protocols were undertaken at the Wolfson Institute for Biomedical Research Microarray Centre, University College London, UK. Raw image files were converted to probe-level data files (.cel files). Microarray data analysis followed the methods described previously (S2) except that both quantiles and loess values were used for normalisation, with Catmap outputs post-processed to retrieve two-sided p-values (S5). Microarray data is deposited at Array Express.

AMPK kinase assays in isolated hepatocytes. Hepatocytes were isolated by collagenase perfusion of liver from WT and *S6K1*^{-/-} mice as previously described (S6). Cells were treated with 0.5mM AICAR (aminoimidazole carboxamide ribonucleotide) for 30 min before rapid lysis of the cells into 50mM HEPES pH7.4, 50mM NaF, 5mM sodium pyrophosphate, 1mM EDTA, 1mM DTT, 10% glycerol and 1% TritonX-100. AMPK complexes were immunoprecipitated from cell lysates using an antibody described previously (S7) which recognizes both β 1 and β 2 complexes and AMPK activity was determined by incorporation of ³²-P into the SAMS peptide (S8). Activity is described as nmoles of ³²-P incorporated into the SAMS peptide per mg of total cell protein used for immunoprecipitation.

C. elegans experiments. *aak-2(ok524)* animals (CGC) were outcrossed three times to N2 (WT Bristol strain) and subsequently mated with *rsk-1(ok1255)* to give double mutants. Diagnostic PCR primers are available on request. Prior to all experiments, animals were maintained at 20°C for at least two generations in the presence of food. Lifespan experiments were carried out using plates seeded with HT115 bacteria transformed with pL4440. Bacteria were allowed to grow for 2 days before 40 µg/ml fluorodeoxyuridine was added and late L4 animals were transferred. Worms were scored as dead or alive from day 1 of adulthood at 20°C. For protein samples adult worms were placed on RNAi plates, as previously described (S9), and their progeny harvested after 3-4

days. Western blotting of AMPK P172 (Cell Signalling) or β -Actin (Sigma) was as previously described (*S10*) using 50 μ g total protein. Worm length was measured using the Leica RXA2 and OpenLab software (Improvision, UK), and for this, the brood size and developmental assays worms were synchronized by a 1 hour timed egg lay.

Statistical analyses. Analyses were performed in Minitab (Version 15, Minitab Ltd, UK), SPSS (Version 17, SPSS Inc, USA) or JMP (Version 5.1, JMP, USA) software using unpaired t tests, one-way analysis of variance, log rank, general linear modelling and Cox regression analysis where appropriate. All non-significant interaction effects ($p > 0.05$) were removed in order to obtain best-fitted models. Data were examined for normality using the F-test. Analysis of microarray data was performed in R (<http://CRAN.R-project.org/doc/FAQ/R-FAQ.html>). Results are mean \pm s.e.m. except where indicated. $p < 0.05$ was regarded as statistically significant.

Fig. S1

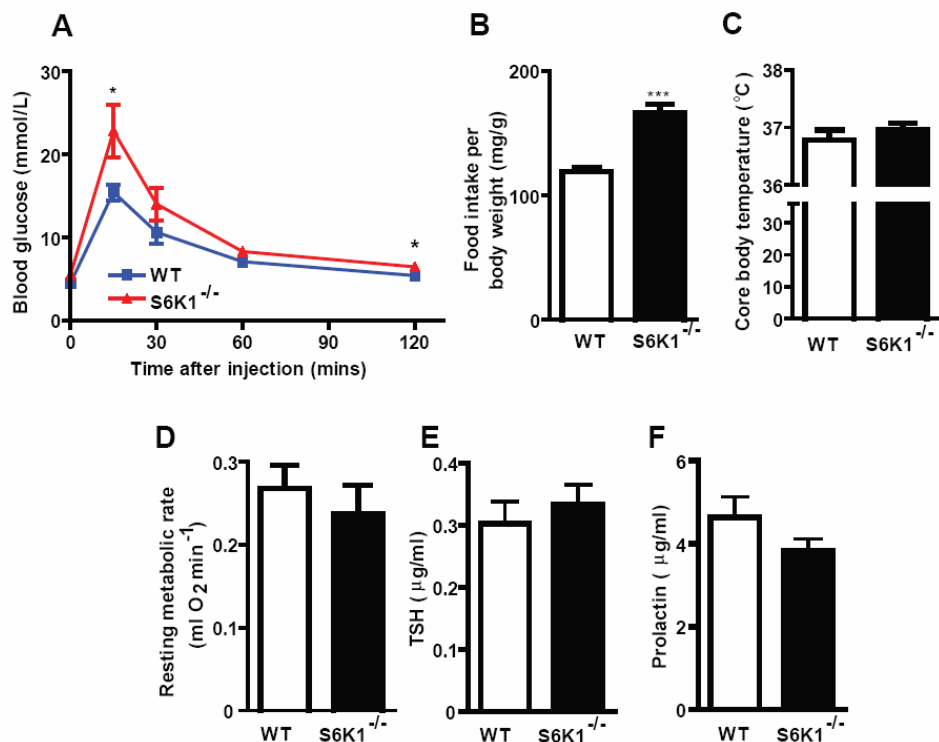


Fig. S1. Deletion of *S6K1*^{-/-} impairs glucose tolerance in young female mice, increases mass-specific food intake in 600 day old female mice but does not alter body temperature, metabolic rate or pituitary hormone status. (A) *S6K1*^{-/-} mice at 8 weeks of age have impaired glucose tolerance. (B) *S6K1*^{-/-} mice have higher food intake, expressed per gram. (C) Rectal core body temperature and (D) resting metabolic rate do not differ between *S6K1*^{-/-} and WT control mice. No differences in (E) pituitary TSH or (F) pituitary prolactin concentrations were observed between genotypes. Asterisk indicate statistical difference compared to control mice using two-tailed t-tests, where* p<0.05 and *** p<0.001. n=8 for each genotype.

Fig. S2



Fig. S2. Overlap in gene expression patterns and associated GO category annotation in long-lived *S6K1^{-/-}* mice compared to other longevity assurance processes. Enrichment analysis of functional categories comparing gene expression in (A) liver from long-lived *S6K1^{-/-}* mice and long-term CR (B) liver from long-lived *S6K1^{-/-}* and *Irs1^{-/-}* mice, and (C) skeletal muscle from long-lived *S6K1^{-/-}* and mice treated with AICAR. Columns show significantly over-represented GO categories for the up-regulated (red) and down-regulated (blue) genes in either experiment ($p < 0.0001$).

Table S1

Covariate	B	SE	Wald	df	Sig.	Exp(B)	<u>95.0% CI</u> Low to High
DOB	-0.026	0.059	0.191	1	0.662	0.975	0.869 to 1.094
PID	-0.024	0.026	0.890	1	0.346	0.976	0.927 to 1.027
SEX							
Female	-0.332	0.218	2.317	1	0.128	0.718	0.468 to 1.100
Male	-	-	-	-	-	-	-
GENE							
<i>S6K1</i> ^{-/-}	0.498	0.249	3.985	1	0.046	1.645	1.009 to 2.681
WT	-	-	-	-	-	-	-

Table S1: Cox regression analysis of *S6K1*^{-/-} and WT mice.

Age at death was analysed in pooled male and female systemic *S6K1*^{-/-} and wild type (WT) mice using Cox regression analysis. The independent variables- date of birth (DOB), parental ID (PID), sex and genotype (GENE) - were replaced with a set of indicator variables to denote the presence or absence of category membership. B is the un-standardised regression coefficient and its standard error (SE), its Wald test statistic value (Wald), the degrees of freedom (df), and the significance (Sig.). Exp(B) for the covariate of interest is the predicted change in the hazard ratio for a unit increase in the predictor and the 95% confidence interval (CI) for Exp(B). Sample size = 48 for *S6K1*^{-/-} and 49 for WT mice.

Table S2a. Genes upregulated in liver of *S6K*^{-/-} mice compared to wild type mice.

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1425644_at	17.51	1.26E-17	7.55E-14	7.43	4.41	Lepr
1457263_at	15.1	7.70E-16	3.08E-12	10.57	3.12	Serpina3k
1456156_at	14.71	1.57E-15	3.77E-12	8.33	3.9	Lepr
1423867_at	13.95	6.61E-15	1.32E-11	8.33	3.92	Serpina3k
1429399_at	13.28	2.48E-14	3.89E-11	11.51	1.9	Rnf125
1435092_at	13.03	4.07E-14	5.42E-11	9.61	2.99	Arl4a
1417980_a_at	12.57	1.04E-13	1.25E-10	12.88	1.93	Insig2
1425875_a_at	12.32	1.75E-13	1.91E-10	4.94	3.41	Lepr
1417409_at	11.87	4.62E-13	4.62E-10	9.2	3.49	Jun
1417981_at	11.64	7.58E-13	6.81E-10	12.6	2.03	Insig2
1455869_at	11.23	1.88E-12	1.50E-09	11.74	1.85	Camk2b
1448694_at	11.17	2.15E-12	1.61E-09	7.65	2.97	Jun
1435084_at	10.91	3.84E-12	2.56E-09	12.51	1.6	C730049014Rik
1450440_at	10.75	5.57E-12	3.34E-09	9.97	1.72	Gfra1
1416332_at	10.64	7.16E-12	3.80E-09	8.62	2.28	Cirbp
1418490_at	10.63	7.28E-12	3.80E-09	6.42	3.22	Sdsl
1431429_a_at	10.63	7.28E-12	3.80E-09	10.6	2.1	Arl4a
1425099_a_at	10.47	1.05E-11	5.25E-09	6.96	2.64	Arntl
1453023_at	10.35	1.40E-11	6.73E-09	9.61	3.27	1110004012Rik
1457117_at	10.3	1.57E-11	7.25E-09	6.75	3.58	Nfe2l2
1417982_at	10.11	2.46E-11	1.04E-08	12.5	1.79	Insig2
1421973_at	9.99	3.28E-11	1.23E-08	8.51	2.02	Gfra1
1450970_at	9.85	4.61E-11	1.67E-08	12.75	1.53	Got1
1436994_a_at	9.82	4.95E-11	1.74E-08	12.18	1.64	Hist1h1c
1431213_a_at	9.8	5.16E-11	1.77E-08	10.71	1.89	LOC67527
1434817_s_at	9.71	6.46E-11	2.10E-08	8.52	1.93	4930535B03Rik
1440506_at	9.71	6.47E-11	2.10E-08	10.42	2.22	Slc7a2
1440921_at	9.69	6.79E-11	2.14E-08	10.72	1.59	Nlrp12
1417273_at	9.54	9.78E-11	2.86E-08	10.1	3.22	Pdk4
1423523_at	9.48	1.14E-10	3.26E-08	13.01	1.3	Aass
1417761_at	9.33	1.63E-10	4.43E-08	12.64	2.32	Apoa4
1452260_at	9.22	2.15E-10	5.61E-08	7.14	5.13	Cidec
1443109_at	9.2	2.28E-10	5.81E-08	6.25	2.77	5830417C01Rik
1439015_at	9.11	2.85E-10	7.10E-08	10.43	1.45	Gfra1
1437313_x_at	9.1	2.90E-10	7.10E-08	8.8	1.75	Hmgb2
1419349_a_at	9.05	3.30E-10	7.53E-08	7.26	2.74	Cyp2d9
1429050_at	9.05	3.33E-10	7.53E-08	9.78	1.94	Chic2
1428143_a_at	9.01	3.65E-10	8.11E-08	9.18	1.81	Pnpla2
1424744_at	8.94	4.37E-10	9.35E-08	11.64	1.44	Sds
1448350_at	8.86	5.27E-10	1.07E-07	12.64	1.29	Asl
1420965_a_at	8.75	7.00E-10	1.38E-07	9.09	2.34	Enc1
1424573_at	8.72	7.65E-10	1.46E-07	12.02	1.32	Tmed5
1418595_at	8.68	8.46E-10	1.54E-07	6.49	3.51	S3-12
1448568_a_at	8.67	8.67E-10	1.55E-07	9.78	1.78	Slc20a1
1421037_at	8.57	1.12E-09	1.90E-07	4.48	2.16	Npas2
1422648_at	8.55	1.16E-09	1.90E-07	10.68	1.71	Slc7a2
1436504_x_at	8.54	1.22E-09	1.92E-07	12.98	2	Apoa4
1435779_at	8.51	1.32E-09	2.00E-07	6.71	2.73	Cep110
1416101_a_at	8.41	1.70E-09	2.48E-07	11.45	1.46	Hist1h1c
1434458_at	8.36	1.90E-09	2.71E-07	5.22	2.88	Fst
1420961_a_at	8.25	2.53E-09	3.31E-07	4.7	1.95	Ivns1abp

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1427537_at	8.24	2.63E-09	3.39E-07	7.14	2.47	Eppk1
1442277_at	8.22	2.80E-09	3.57E-07	6.55	1.91	Chka
1440569_at	8.02	4.70E-09	5.48E-07	7.14	1.84	Slc16a10
1426008_a_at	8	4.89E-09	5.63E-07	9.57	1.77	Slc7a2
1416593_at	7.98	5.18E-09	5.83E-07	10.06	1.35	Glrx
1416250_at	7.95	5.71E-09	6.25E-07	6.77	3.67	Btg2
1453851_a_at	7.94	5.73E-09	6.25E-07	9.4	3.35	Gadd45g
1454018_at	7.91	6.31E-09	6.64E-07	6.22	2.03	Tlk2
1446148_x_at	7.91	6.31E-09	6.64E-07	6.4	2.07	NA
1428468_at	7.89	6.63E-09	6.91E-07	8.3	1.53	3110043O21Rik
1418712_at	7.88	6.80E-09	6.97E-07	5.83	1.92	Cdc42ep5
1453817_at	7.86	7.15E-09	7.12E-07	9.21	1.52	Abca6
1452534_a_at	7.83	7.74E-09	7.61E-07	7.43	1.91	Hmgb2
1430319_at	7.68	1.15E-08	1.07E-06	8.28	2	4833411C07Rik
1439163_at	7.67	1.20E-08	1.11E-06	6.58	2.82	Zbtb16
1424937_at	7.59	1.46E-08	1.34E-06	11.11	1.94	2310076L09Rik
1439399_a_at	7.57	1.56E-08	1.41E-06	10.01	1.04	Snhg1
1456955_at	7.56	1.61E-08	1.44E-06	4.4	1.93	NA
1424638_at	7.55	1.67E-08	1.48E-06	8.15	3.65	Cdkn1a
1438075_at	7.5	1.87E-08	1.62E-06	6.38	2.34	Fem1c
1428223_at	7.5	1.90E-08	1.62E-06	11.23	1.77	Mfsd2
1448286_at	7.48	2.00E-08	1.68E-06	11.82	1.11	Hsd17b10
1456395_at	7.44	2.20E-08	1.83E-06	6.98	2.11	Ppargc1a
1427747_a_at	7.43	2.27E-08	1.87E-06	10.76	2.76	Lcn2
1422768_at	7.42	2.35E-08	1.90E-06	9.03	1.36	Syncrip
1423447_at	7.41	2.38E-08	1.92E-06	11.91	1.13	Clpx
1443621_at	7.41	2.42E-08	1.92E-06	4.4	2.92	Xaf1
1448456_at	7.39	2.52E-08	1.99E-06	6.95	1.67	Cln8
1450505_a_at	7.39	2.56E-08	2.00E-06	8.88	1.83	1810015C04Rik
1456502_at	7.38	2.64E-08	2.03E-06	5.79	2.36	Dyrk2
1438391_x_at	7.37	2.66E-08	2.03E-06	11.52	1.24	Hsd17b10
1436871_at	7.37	2.68E-08	2.04E-06	6.81	2.02	Sfrs7
1435243_at	7.36	2.74E-08	2.06E-06	6.99	1.82	Zfp746
1418780_at	7.35	2.80E-08	2.09E-06	11.05	1.39	Cyp39a1
1424735_at	7.35	2.82E-08	2.09E-06	9.78	1.48	Slc25a25
1418249_at	7.35	2.82E-08	2.09E-06	8.19	1.47	Crcp
1425652_s_at	7.31	3.14E-08	2.29E-06	8.6	1.27	Rbpms
1450522_a_at	7.31	3.16E-08	2.30E-06	9.98	1.15	H1f0
1439451_x_at	7.3	3.22E-08	2.33E-06	7.5	1.47	Gpr172b
1460336_at	7.3	3.26E-08	2.34E-06	7.16	1.93	Ppargc1a
1442745_x_at	7.29	3.32E-08	2.37E-06	7.99	1.96	NA
1458152_at	7.29	3.34E-08	2.37E-06	5.31	2.25	Etfdh
1438385_s_at	7.28	3.41E-08	2.41E-06	13.01	1.01	Gpt2
1442126_at	7.25	3.69E-08	2.57E-06	5.68	1.96	5830417C01Rik
1428923_at	7.24	3.85E-08	2.67E-06	5.25	2.83	Ppp1r3g
1422660_at	7.23	3.94E-08	2.70E-06	11.27	1.53	NA
1426599_a_at	7.22	4.01E-08	2.73E-06	7.83	1.48	Slc2a1
1439342_at	7.15	4.85E-08	3.21E-06	8.73	1.72	Clpx
1418932_at	7.15	4.94E-08	3.25E-06	8.67	1.82	Nfil3
1438313_at	7.13	5.23E-08	3.36E-06	8.34	1.74	NA
1439029_at	7.11	5.41E-08	3.45E-06	9.9	1.16	Gpt2
1424211_at	7.11	5.54E-08	3.48E-06	8.4	1.19	Slc25a33
1449525_at	7.04	6.64E-08	4.02E-06	12.32	1.43	Fmo3

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1434542_at	7.04	6.65E-08	4.02E-06	9.7	1.32	Gpt2
1428749_at	7	7.33E-08	4.38E-06	9.73	1.15	Dmxi2
1449117_at	6.99	7.51E-08	4.41E-06	10.12	1.09	Jund
1444036_at	6.98	7.87E-08	4.51E-06	7.03	1.77	Ppp2r5a
1452418_at	6.98	7.89E-08	4.51E-06	9.67	1.61	1200016E24Rik
1422570_at	6.97	7.96E-08	4.51E-06	6.99	1.65	Yy1
1446147_at	6.97	7.97E-08	4.51E-06	7.49	1.95	NA
1438345_at	6.97	8.09E-08	4.53E-06	6.65	2.33	NA
1441915_s_at	6.95	8.42E-08	4.69E-06	12.48	1.53	2310076L09Rik
1415997_at	6.95	8.52E-08	4.71E-06	9.48	2.09	Txnip
1430295_at	6.93	8.96E-08	4.93E-06	6.87	1.48	Gna13
1453238_s_at	6.92	9.20E-08	5.01E-06	12.94	0.91	1200016E24Rik
1424942_a_at	6.9	9.73E-08	5.28E-06	6.25	2.59	Myc
1455773_at	6.88	1.03E-07	5.48E-06	8.06	2.09	NA
1437161_x_at	6.84	1.16E-07	6.03E-06	8.82	1.26	Rbpms
1455007_s_at	6.82	1.23E-07	6.35E-06	12.19	1.11	Gpt2
1444746_at	6.81	1.25E-07	6.37E-06	5.2	1.93	Ptbp2
1424544_at	6.81	1.25E-07	6.37E-06	8.34	1.54	Nrbp2
1433674_a_at	6.81	1.27E-07	6.38E-06	8.63	1.16	Snord22
1434773_a_at	6.8	1.30E-07	6.51E-06	9.52	1.31	Slc2a1
1425921_a_at	6.79	1.31E-07	6.53E-06	10.11	1.5	1810055G02Rik
1420376_a_at	6.79	1.33E-07	6.61E-06	12.36	1.02	H3f3b
1449039_a_at	6.77	1.41E-07	6.93E-06	9.81	1.07	Hnrpd1
1426792_s_at	6.74	1.53E-07	7.41E-06	5.13	1.83	Rusc2
1457915_at	6.73	1.55E-07	7.49E-06	8	1.62	4833442J19Rik
1437775_at	6.72	1.62E-07	7.79E-06	4.61	1.66	Dlst
1429359_s_at	6.69	1.75E-07	8.26E-06	8.58	1.2	Rbpms
1431789_s_at	6.68	1.79E-07	8.40E-06	9.55	1.54	Tmed5
1440833_at	6.66	1.88E-07	8.71E-06	6.16	1.68	Cdc215
1451154_a_at	6.66	1.89E-07	8.71E-06	9.01	1.12	Cugbp2
1452519_a_at	6.65	1.93E-07	8.82E-06	10	1.75	Zfp36
1428167_a_at	6.65	1.94E-07	8.82E-06	7.73	1.35	Mpz11
1418444_a_at	6.64	2.01E-07	8.94E-06	10.76	1.18	Gde1
1450061_at	6.64	2.03E-07	9.01E-06	6.59	2.44	Enc1
1455725_a_at	6.63	2.06E-07	9.11E-06	12.49	1.05	H3f3b
1426791_at	6.63	2.07E-07	9.14E-06	4.43	1.79	Rusc2
1456875_at	6.62	2.11E-07	9.26E-06	6.48	1.68	1810013L24Rik
1424574_at	6.61	2.16E-07	9.40E-06	12.26	1.18	Tmed5
1417969_at	6.61	2.18E-07	9.42E-06	8.13	1.77	Fbxo31
1427425_at	6.6	2.22E-07	9.55E-06	8.41	2.06	9130208E07Rik
1449773_s_at	6.6	2.27E-07	9.67E-06	5.6	2.26	Gadd45b
1430798_x_at	6.59	2.33E-07	9.92E-06	9.06	1.16	Mrpl15
1433733_a_at	6.58	2.35E-07	9.94E-06	7.93	1.69	Cry1
1444018_at	6.58	2.39E-07	9.99E-06	7.45	1.85	B930098A02Rik
1416592_at	6.57	2.45E-07	1.02E-05	10.49	1.03	Glrx
1437553_at	6.57	2.46E-07	1.02E-05	8.03	1.32	Brcc3
1442409_at	6.56	2.55E-07	1.05E-05	5.47	2.2	D9Wsu90e
1421604_a_at	6.54	2.69E-07	1.10E-05	8.13	1.68	Klf3
1418949_at	6.52	2.78E-07	1.13E-05	6.88	1.83	Gdf15
1460172_at	6.51	2.91E-07	1.16E-05	10.2	0.97	5730403B10Rik
1429639_at	6.51	2.93E-07	1.16E-05	8.31	1.77	Prei4
1426452_a_at	6.5	2.97E-07	1.17E-05	10	1.55	Rab30
1460290_at	6.49	3.07E-07	1.21E-05	8.69	1.32	Lpin2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1456212_x_at	6.48	3.13E-07	1.22E-05	8.9	1.46	Socs3
1444763_at	6.48	3.13E-07	1.22E-05	6.45	1.54	Ptprk
1448193_at	6.47	3.25E-07	1.26E-05	9.02	1.2	5730403B10Rik
1439617_s_at	6.46	3.33E-07	1.28E-05	12.78	0.85	Pck1
1453384_at	6.44	3.49E-07	1.33E-05	4.69	1.44	Dennd1b
1416067_at	6.44	3.53E-07	1.34E-05	9.22	1.84	Ifrd1
1422513_at	6.43	3.67E-07	1.38E-05	5.21	1.7	Ccnf
1454712_at	6.42	3.71E-07	1.40E-05	9.19	1.82	Mcart1
1437565_a_at	6.42	3.75E-07	1.40E-05	8.99	0.97	Gnl2
1416738_at	6.4	3.91E-07	1.45E-05	10.24	1.13	Brap
1427540_at	6.4	3.98E-07	1.47E-05	5.56	1.91	Zwint
1428010_at	6.33	4.80E-07	1.73E-05	4.53	1.42	Timm9
1453287_at	6.32	4.94E-07	1.77E-05	7.81	1.43	5730557B15Rik
1421709_a_at	6.31	5.03E-07	1.78E-05	9.41	1.25	Fmo5
1456225_x_at	6.31	5.10E-07	1.80E-05	4.84	1.48	Trib3
1433789_at	6.31	5.12E-07	1.81E-05	6.38	3.04	Snhg3
1438404_at	6.31	5.17E-07	1.82E-05	7.24	1.54	Rnf144a
1424683_at	6.3	5.21E-07	1.83E-05	12.67	1.14	1810015C04Rik
1447644_at	6.3	5.23E-07	1.83E-05	3.26	1.23	Wnt5b
1454654_at	6.29	5.39E-07	1.87E-05	8.66	1.16	Dirc2
1453789_at	6.28	5.49E-07	1.90E-05	3.8	1.51	4933440N22Rik
1427997_at	6.28	5.55E-07	1.92E-05	10.44	1.06	1110007M04Rik
1434099_at	6.27	5.74E-07	1.98E-05	7.63	1.5	Ppargc1a
1438398_at	6.25	6.01E-07	2.04E-05	7.24	1.53	Rbm39
1442744_at	6.25	6.08E-07	2.05E-05	7.83	1.96	NA
1437626_at	6.24	6.25E-07	2.08E-05	10.71	1.2	Zfp36l2
1455958_s_at	6.22	6.54E-07	2.17E-05	9.43	1.19	Pptc7
1427104_at	6.22	6.56E-07	2.17E-05	6.6	1.68	Zfp612
1437751_at	6.21	6.69E-07	2.19E-05	6.18	1.71	Ppargc1a
1417815_a_at	6.2	6.93E-07	2.26E-05	12.53	0.8	Serinc3
1455899_x_at	6.2	6.95E-07	2.26E-05	9.29	1.46	Socs3
1426356_at	6.19	7.09E-07	2.30E-05	7.56	1.39	6330578E17Rik
1448448_a_at	6.18	7.35E-07	2.36E-05	10.04	1.09	Chkb
1451401_a_at	6.16	7.77E-07	2.46E-05	8.94	1.12	0610009K11Rik
1427033_at	6.15	7.95E-07	2.51E-05	9.1	1.25	Dnmbp
1437419_at	6.14	8.14E-07	2.56E-05	7.75	1.37	Bmp2k
1457724_at	6.14	8.30E-07	2.60E-05	6.7	1.67	Ctsl
1431742_at	6.12	8.74E-07	2.71E-05	5.48	2.08	1810053B23Rik
1452290_at	6.12	8.85E-07	2.74E-05	9.5	1	Tmem106b
1423866_at	6.11	8.94E-07	2.74E-05	15.02	0.44	Serpina3k
1419492_s_at	6.1	9.16E-07	2.80E-05	5.98	2.12	Defb1
1429144_at	6.1	9.34E-07	2.84E-05	10.95	1.53	Prei4
1416255_at	6.09	9.48E-07	2.87E-05	4.53	1.4	Gja4
1427932_s_at	6.09	9.54E-07	2.88E-05	13.04	0.88	1200016E24Rik
1418572_x_at	6.08	9.66E-07	2.91E-05	5.87	1.94	Tnfrsf12a
1445042_at	6.06	1.03E-06	3.07E-05	5.2	4.07	Aass
1422484_at	6.06	1.04E-06	3.07E-05	11.95	0.85	Cyca
1418505_at	6.05	1.05E-06	3.10E-05	11.52	0.84	Nudt4
1429165_at	6.05	1.07E-06	3.11E-05	6.21	1.4	3110001I22Rik
1429251_at	6.04	1.08E-06	3.13E-05	7.71	1.33	Prdm2
1455350_at	6.04	1.08E-06	3.13E-05	7.29	1.61	Tmem62
1415996_at	6.04	1.09E-06	3.13E-05	11.41	1.53	Txnip
1436181_at	6.04	1.10E-06	3.15E-05	6.65	1.48	Ddef2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1438815_at	6.02	1.16E-06	3.30E-05	4.46	1.31	Hist2h2aa2
1428224_at	6.01	1.18E-06	3.35E-05	7.68	1.11	Hnrpd1
1434100_x_at	6	1.21E-06	3.41E-05	7.7	1.38	Ppargc1a
1416442_at	6	1.23E-06	3.46E-05	8.23	1.18	Ier2
1423386_at	6	1.24E-06	3.46E-05	9.19	1.03	Psmc9
1428512_at	5.99	1.25E-06	3.50E-05	8.07	2.17	Bhlhb9
1455892_x_at	5.98	1.31E-06	3.64E-05	11.47	1.29	EG622147
1421679_a_at	5.97	1.32E-06	3.68E-05	4.42	3.39	Cdkn1a
1435902_at	5.96	1.38E-06	3.83E-05	8.11	1.32	Nudt18
1423622_a_at	5.93	1.50E-06	4.05E-05	9.46	1.13	Ccn11
1435188_at	5.92	1.56E-06	4.20E-05	5.02	3.16	Gm129
1427472_a_at	5.91	1.59E-06	4.29E-05	8.46	2.76	C8b
1422264_s_at	5.89	1.67E-06	4.47E-05	9.69	1.29	Klf9
1436753_at	5.89	1.68E-06	4.48E-05	8.1	1.23	Adck5
1434239_at	5.88	1.73E-06	4.59E-05	4.76	1.63	Rrp12
1456767_at	5.88	1.73E-06	4.59E-05	5.18	1.5	Lrfn3
1459937_at	5.88	1.74E-06	4.60E-05	5.46	1.74	Ass1
1435137_s_at	5.87	1.76E-06	4.65E-05	12.45	0.78	1200016E24Rik
1442025_a_at	5.87	1.77E-06	4.65E-05	6.31	2.55	NA
1418918_at	5.87	1.78E-06	4.67E-05	13.78	1.87	Igfbp1
1448272_at	5.86	1.82E-06	4.76E-05	5.92	3.18	Btg2
1459860_x_at	5.86	1.83E-06	4.78E-05	10.2	1.23	Trim2
1447856_x_at	5.85	1.88E-06	4.89E-05	7.04	1.3	Slc25a25
1425411_at	5.84	1.95E-06	5.02E-05	3.6	1.51	Arl4a
1453675_at	5.81	2.10E-06	5.33E-05	5.34	1.83	Slc16a10
1428909_at	5.79	2.22E-06	5.57E-05	13.35	0.76	A130040M12Rik
1458658_at	5.77	2.39E-06	5.92E-05	5.53	1.52	NA
1439912_at	5.76	2.42E-06	5.96E-05	4.82	1.64	9430098F02Rik
1428562_at	5.75	2.47E-06	6.06E-05	10.23	0.92	2210403K04Rik
1441779_at	5.75	2.49E-06	6.11E-05	7.02	1.47	9530006C21Rik
1442406_at	5.72	2.69E-06	6.54E-05	7.44	2.06	9230104K21Rik
1453410_at	5.72	2.70E-06	6.54E-05	5.34	4.29	Angptl4
1421011_at	5.72	2.74E-06	6.60E-05	7.9	1.41	Hsd17b11
1434496_at	5.72	2.76E-06	6.61E-05	7.21	2.45	Plk3
1457601_at	5.71	2.84E-06	6.78E-05	9.38	0.9	NA
1440965_at	5.7	2.88E-06	6.86E-05	7.98	1.17	Pigl
1418571_at	5.68	3.07E-06	7.27E-05	4.94	1.83	Tnfrsf12a
1438739_at	5.68	3.10E-06	7.31E-05	8.2	1.19	Cnbp
1436763_a_at	5.67	3.10E-06	7.31E-05	8.72	1.44	Klf9
1444320_at	5.67	3.11E-06	7.31E-05	5.44	1.61	Ddhd2
1437953_at	5.66	3.23E-06	7.56E-05	5.9	2.19	Prei4
1440463_at	5.65	3.30E-06	7.70E-05	3.48	0.96	Ngly1
1426065_a_at	5.65	3.33E-06	7.75E-05	6.58	1.36	Trib3
1440536_at	5.65	3.34E-06	7.77E-05	4.29	1.52	Slc22a5
1440055_at	5.64	3.43E-06	7.95E-05	4.93	1.89	AI848100
1435339_at	5.64	3.43E-06	7.95E-05	6.28	1.32	Kctd15
1440533_at	5.63	3.55E-06	8.18E-05	5.75	1.46	Bfar
1438824_at	5.62	3.65E-06	8.37E-05	5.26	2.59	Slc20a1
1421274_at	5.61	3.69E-06	8.42E-05	4.26	1.25	Socs4
1449007_at	5.61	3.74E-06	8.49E-05	7.63	1.52	Btg3
1442018_at	5.61	3.75E-06	8.49E-05	3.79	1.4	AI426953
1437071_at	5.6	3.87E-06	8.67E-05	5.33	1.39	Eif1ay
1456769_at	5.6	3.87E-06	8.67E-05	7.17	1.4	Dusp3

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1430019_a_at	5.59	3.92E-06	8.75E-05	9.84	0.77	Hnrnpa1
1455197_at	5.59	3.93E-06	8.76E-05	5.48	1.36	Rnd1
1455173_at	5.59	3.98E-06	8.85E-05	8.98	0.96	Gspt1
1444226_at	5.59	4.00E-06	8.87E-05	3.99	1.75	Foxo3a
1429273_at	5.58	4.06E-06	8.95E-05	5.39	2.52	Bmper
1419491_at	5.57	4.19E-06	9.22E-05	8.16	2.51	Defb1
1435753_a_at	5.57	4.24E-06	9.30E-05	8.31	1.18	Nucks1
1451392_at	5.57	4.24E-06	9.30E-05	6.6	1.45	Rbed1
1453591_at	5.56	4.31E-06	9.41E-05	3.97	1.28	5730437N04Rik
1435031_at	5.56	4.37E-06	9.47E-05	10.43	1.18	Tmem120a
1436549_a_at	5.55	4.38E-06	9.47E-05	8.76	0.99	Hnrnpa1
1421376_at	5.55	4.38E-06	9.47E-05	3.48	1.06	Traf6
1450332_s_at	5.55	4.39E-06	9.47E-05	11.69	0.89	Fmo5
1459746_at	5.55	4.49E-06	9.66E-05	3.66	1.53	R3hdm1
1421884_at	5.54	4.52E-06	9.71E-05	5.29	1.47	Sos1
1424759_at	5.54	4.56E-06	9.77E-05	8.55	0.99	Arrdc4
1424092_at	5.54	4.61E-06	9.86E-05	8.17	1.21	Epb4.1
1453582_at	5.53	4.67E-06	9.95E-05	5.57	1.46	Chka
1424716_at	5.53	4.71E-06	0.0001	12.43	1.44	Retsat
1450776_at	5.52	4.79E-06	0.0001	8.86	1.18	Agpat6
1440104_at	5.52	4.84E-06	0.0001	5.79	1.73	Ranbp2
1424724_a_at	5.5	5.11E-06	0.00011	6.04	1.53	D16Ert472e
1446316_at	5.49	5.32E-06	0.00011	8.41	1.88	Lpin2
1435594_at	5.47	5.51E-06	0.00011	7.89	1.37	Arl6ip2
1419093_at	5.47	5.60E-06	0.00012	14.29	0.67	Tdo2
1419061_at	5.47	5.65E-06	0.00012	7.24	1.09	Rhod
1423660_at	5.46	5.66E-06	0.00012	7.26	1.14	Ctdsp2
1422780_at	5.46	5.67E-06	0.00012	9.54	0.97	Pxmp4
1439036_a_at	5.46	5.73E-06	0.00012	10.9	0.89	Atp1b1
1438408_at	5.45	5.83E-06	0.00012	7.25	1.34	Ankrd56
1435007_s_at	5.45	5.90E-06	0.00012	13.69	0.78	AI132487
1418323_at	5.45	5.92E-06	0.00012	4.36	1.74	Fem1b
1436898_at	5.45	5.94E-06	0.00012	9.47	0.98	Sfpq
1452837_at	5.45	5.94E-06	0.00012	9.85	1	Lpin2
1448551_a_at	5.44	6.08E-06	0.00012	8.28	1.37	Trim2
1433634_at	5.44	6.16E-06	0.00012	10.42	1.78	Irf2bp2
1417028_a_at	5.44	6.16E-06	0.00012	8.73	1.36	Trim2
1455770_at	5.43	6.26E-06	0.00013	12.51	0.95	NA
1452426_x_at	5.43	6.34E-06	0.00013	10.3	1.37	Zfp236
1449065_at	5.42	6.41E-06	0.00013	12.19	1.25	Acot1
1420119_s_at	5.42	6.47E-06	0.00013	5.13	1.51	AU020177
1428660_s_at	5.41	6.66E-06	0.00013	7.55	1.94	Tor3a
1441328_at	5.39	6.96E-06	0.00014	4.11	1.65	NA
1455133_s_at	5.39	6.98E-06	0.00014	9.35	0.91	AI848100
1419181_at	5.39	7.08E-06	0.00014	8.02	0.98	Zfp326
1436952_at	5.39	7.10E-06	0.00014	4.7	1.47	Klf9
1453303_at	5.38	7.16E-06	0.00014	9.41	0.97	Cpt1a
1433633_at	5.38	7.26E-06	0.00014	7.87	2.27	Irf2bp2
1436462_at	5.37	7.33E-06	0.00014	5.94	1.4	LOC626832
1448256_at	5.37	7.39E-06	0.00014	4.66	1.43	Gosr1
1436507_at	5.37	7.49E-06	0.00014	7.69	1.43	Irak2
1436531_at	5.37	7.52E-06	0.00014	8.3	1.19	Metap2
1442528_at	5.36	7.58E-06	0.00014	4.46	1.21	Xpo4

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1433757_a_at	5.36	7.60E-06	0.00014	8.37	0.98	Nisch
1419583_at	5.36	7.68E-06	0.00014	10.26	1.04	Cbx4
1416933_at	5.35	7.90E-06	0.00015	11.96	0.83	Por
1416665_at	5.34	8.04E-06	0.00015	9.72	0.84	Coq7
1422786_at	5.33	8.29E-06	0.00015	7.32	1.17	Slc30a1
1440373_at	5.33	8.37E-06	0.00016	5.08	1.4	Elavl1
1456727_a_at	5.33	8.38E-06	0.00016	8.49	0.92	Csnk1d
1441354_at	5.32	8.63E-06	0.00016	3.96	1.12	AU018740
1460672_at	5.31	8.81E-06	0.00016	6.52	1.44	2410002F23Rik
1436544_at	5.31	8.88E-06	0.00016	4.4	1.72	Atp10d
1455457_at	5.3	8.96E-06	0.00016	11.02	1.66	Cyp2c54
1431630_a_at	5.3	9.19E-06	0.00017	6.03	1.48	Klf3
1455912_x_at	5.29	9.40E-06	0.00017	7.19	1.2	Unc45a
1425774_at	5.28	9.56E-06	0.00017	4.34	1.57	1500001A10Rik
1444518_at	5.28	9.75E-06	0.00018	6.2	1.76	Acox1
1415899_at	5.27	9.79E-06	0.00018	6.19	1.46	Junb
1429337_at	5.27	9.88E-06	0.00018	6.62	1.34	Tmem87b
1428273_at	5.27	1.00E-05	0.00018	7.82	1.06	Abhd13
1438089_a_at	5.27	1.00E-05	0.00018	9.08	1	Bclaf1
1448654_at	5.26	1.01E-05	0.00018	9.93	0.85	Mtch2
1436695_x_at	5.25	1.04E-05	0.00018	7.91	1.1	Rbed1
1460573_at	5.25	1.04E-05	0.00018	8.68	1.05	AI848100
1427200_at	5.25	1.05E-05	0.00018	9.46	0.77	Zranb1
1460241_a_at	5.25	1.06E-05	0.00019	10.91	1.2	St3gal5
1450069_a_at	5.24	1.08E-05	0.00019	9.16	0.9	Cugbp2
1425933_a_at	5.24	1.09E-05	0.00019	7.71	1.3	Nt5c2
1450971_at	5.24	1.09E-05	0.00019	7.39	1.72	Gadd45b
1444952_a_at	5.24	1.09E-05	0.00019	10.26	0.85	Nucks1
1450014_at	5.23	1.10E-05	0.00019	5.64	1.24	Cldn1
1422483_a_at	5.23	1.10E-05	0.00019	12.81	0.74	Cycc
1438979_s_at	5.23	1.10E-05	0.00019	6.38	1.64	1700029I15Rik
1456390_at	5.23	1.12E-05	0.00019	9.59	0.89	Ppp2ca
1435870_at	5.23	1.12E-05	0.00019	8.3	1.09	Sycp3
1427271_at	5.22	1.13E-05	0.00019	8.4	1.04	Zbtb44
1421935_at	5.22	1.14E-05	0.00019	4.09	1.22	Rps20
1424828_a_at	5.22	1.14E-05	0.00019	12.39	0.76	Fh1
1425624_at	5.21	1.16E-05	0.0002	3.8	1.3	Epm2aip1
1421031_a_at	5.21	1.17E-05	0.0002	5.75	2.4	2310016C08Rik
1436934_s_at	5.21	1.18E-05	0.0002	11.25	0.82	Aco2
1436555_at	5.2	1.20E-05	0.0002	12.16	0.81	Slc7a2
1451621_at	5.19	1.25E-05	0.00021	7.94	1.02	5830417C01Rik
1448700_at	5.17	1.31E-05	0.00022	12.04	1.29	G0s2
1455936_a_at	5.17	1.32E-05	0.00022	8.46	1.09	Rbpms
1431166_at	5.17	1.33E-05	0.00022	6.2	1.4	Chd1
1449945_at	5.16	1.35E-05	0.00022	5.99	1.45	Ppargc1b
1438250_s_at	5.16	1.36E-05	0.00022	11.23	0.76	LOC545600
1429900_at	5.16	1.36E-05	0.00022	8.07	1.48	5330406M23Rik
1443969_at	5.16	1.37E-05	0.00022	4.62	1.2	Irs2
1446068_at	5.15	1.39E-05	0.00023	9.29	0.82	Adk
1444418_at	5.15	1.41E-05	0.00023	4.32	1.22	Itpr2
1419068_at	5.15	1.41E-05	0.00023	8.85	1.02	Rabgef1
1428844_a_at	5.14	1.43E-05	0.00023	8.59	0.88	Bclaf1
1425020_at	5.13	1.48E-05	0.00024	10.74	0.84	Ubx4d

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1452858_at	5.13	1.50E-05	0.00024	4.81	1.33	Elavl1
1446110_at	5.13	1.50E-05	0.00024	4.26	1.54	D3Erttd711e
1438131_at	5.12	1.54E-05	0.00025	5.17	1.3	Fbxw2
1435483_x_at	5.11	1.55E-05	0.00025	7.58	1.15	Slc25a32
1455438_at	5.11	1.56E-05	0.00025	9.62	1.03	Pxmp4
1459959_at	5.11	1.57E-05	0.00025	5.15	1.9	Gldc
1448382_at	5.1	1.61E-05	0.00025	14.27	1.05	Ehhadh
1451371_at	5.1	1.62E-05	0.00025	10.02	0.89	Mrap
1418148_at	5.1	1.62E-05	0.00025	5.05	1.22	Abhd1
1420722_at	5.09	1.66E-05	0.00026	5.64	1.74	Elov13
1432007_s_at	5.09	1.67E-05	0.00026	6.4	1.65	Ap2a2
1429473_at	5.08	1.69E-05	0.00026	8.53	0.82	1200003I07Rik
1417835_at	5.08	1.70E-05	0.00026	12.92	1.2	Mug1
1435171_at	5.08	1.72E-05	0.00027	6.12	1.37	LOC100040353
1418250_at	5.07	1.77E-05	0.00027	8.63	1.4	Arl4d
1434087_at	5.06	1.80E-05	0.00028	6.56	1.34	Mthfr
1438922_x_at	5.06	1.82E-05	0.00028	11.11	0.7	Slc25a5
1431086_s_at	5.06	1.83E-05	0.00028	8.32	0.87	Pcmt1
1452836_at	5.05	1.84E-05	0.00028	11.08	0.88	Lpin2
1449089_at	5.05	1.85E-05	0.00028	8.97	0.85	Nrip1
1421365_at	5.05	1.88E-05	0.00028	3.86	1.5	Fst
1456080_a_at	5.04	1.89E-05	0.00029	10.31	0.92	Serinc3
1428942_at	5.04	1.89E-05	0.00029	12.78	1.21	Mt2
1429671_at	5.04	1.90E-05	0.00029	3.67	1.09	2410018M08Rik
1438156_x_at	5.04	1.90E-05	0.00029	10.73	0.78	Cpt1a
1450703_at	5.04	1.90E-05	0.00029	7.53	1.04	Slc7a2
1447109_at	5.04	1.94E-05	0.00029	5.88	1.32	Elavl1
1418889_a_at	5.03	1.96E-05	0.00029	5.91	1.2	Csnk1d
1428682_at	5.03	1.96E-05	0.00029	4.91	1.19	Zc3h6
1455634_at	5.03	1.96E-05	0.00029	7.55	1.06	NA
1422656_at	5.02	2.01E-05	0.0003	5.7	1.31	Ras12-9
1448678_at	5.02	2.02E-05	0.0003	5.43	1.34	3110048E14Rik
1439316_at	5.02	2.06E-05	0.0003	5.91	1.16	Rbm39
1454703_x_at	5.01	2.07E-05	0.0003	5.5	1.22	Snhg1
1441943_x_at	5.01	2.09E-05	0.00031	7.57	1.04	Ciapi1
1437381_x_at	5.01	2.10E-05	0.00031	7.76	1.04	Gpr172b
1434642_at	4.99	2.18E-05	0.00032	12.14	0.83	Hsd17b11
1437658_a_at	4.99	2.19E-05	0.00032	5.93	1.24	Snord22
1456341_a_at	4.98	2.28E-05	0.00033	12.96	0.9	Klf9
1446001_at	4.98	2.28E-05	0.00033	5.12	1.61	Reps1
1426146_a_at	4.98	2.30E-05	0.00034	9.68	0.95	Chpt1
1434487_at	4.97	2.35E-05	0.00034	8.21	0.94	Mef2d
1446269_at	4.97	2.36E-05	0.00034	4.11	1.23	Hbp1
1429486_at	4.97	2.37E-05	0.00034	4.81	1.14	Pfkfb2
1442465_s_at	4.96	2.38E-05	0.00034	8.7	0.9	Strbp
1443167_at	4.96	2.39E-05	0.00035	4.3	1.88	Rnf12
1444281_at	4.96	2.40E-05	0.00035	3.67	0.96	Camk2d
1442258_at	4.96	2.41E-05	0.00035	6.63	2.29	NA
1442424_at	4.96	2.42E-05	0.00035	6.17	1.27	Ctdspl2
1433675_at	4.96	2.43E-05	0.00035	8.1	0.9	Snord22
1427029_at	4.95	2.46E-05	0.00035	2.64	0.69	Htra3
1438675_at	4.95	2.46E-05	0.00035	6.67	1.17	Sfrs8
1435020_at	4.95	2.47E-05	0.00035	9.22	0.8	Sdccag1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1428653_x_at	4.95	2.50E-05	0.00035	3.68	1.4	Elavl1
1432181_s_at	4.95	2.50E-05	0.00035	10.9	0.75	Sco2
1427820_at	4.95	2.50E-05	0.00035	7.23	1.42	NA
1451566_at	4.94	2.52E-05	0.00036	5.6	1.39	Zfp810
1417559_at	4.94	2.52E-05	0.00036	10.54	0.9	Sfxn1
1432646_a_at	4.94	2.54E-05	0.00036	5.73	1.75	2900097C17Rik
1456091_at	4.94	2.56E-05	0.00036	5.54	1.39	Sec22c
1437924_at	4.93	2.60E-05	0.00037	6.46	1.24	Son
1428529_at	4.93	2.63E-05	0.00037	6.79	1.38	2810026P18Rik
1425185_at	4.91	2.74E-05	0.00038	8.94	0.85	5830417C01Rik
1452214_at	4.91	2.76E-05	0.00038	10.27	0.78	Skil
1417820_at	4.91	2.78E-05	0.00039	8.55	1.07	Tor1b
1449363_at	4.91	2.79E-05	0.00039	5.68	2.17	Atf3
1455357_x_at	4.91	2.80E-05	0.00039	12.29	0.64	LOC100043869
1421848_at	4.91	2.80E-05	0.00039	8.72	1.4	Slc22a5
1436931_at	4.9	2.84E-05	0.00039	8.9	0.88	Rfx4
1415779_s_at	4.9	2.85E-05	0.00039	12.64	0.84	Actg1
1423257_at	4.9	2.86E-05	0.00039	14.24	0.79	Cyp4a14
1436200_at	4.9	2.88E-05	0.00039	5.66	1.35	Lonrf3
1419365_at	4.9	2.88E-05	0.00039	11.47	1.06	Pex11a
1438055_at	4.9	2.90E-05	0.00039	8.4	1.74	Rarres1
1443500_at	4.89	2.92E-05	0.0004	6.96	1.13	Mllt10
1460249_at	4.89	2.92E-05	0.0004	8	1.2	Ln timer
1419874_x_at	4.89	2.98E-05	0.0004	5.11	1.7	Zbtb16
1420981_a_at	4.88	3.01E-05	0.0004	6.63	1.36	Lmo4
1435333_at	4.88	3.01E-05	0.0004	9.34	0.85	1110007M04Rik
1436023_at	4.88	3.06E-05	0.00041	7.82	1.04	Bclaf1
1451310_a_at	4.88	3.06E-05	0.00041	13.38	0.6	Ctsl
1451285_at	4.86	3.17E-05	0.00042	10.57	0.68	Fus
1417560_at	4.86	3.17E-05	0.00042	10.6	0.87	Sfxn1
1441189_at	4.86	3.19E-05	0.00042	2.84	1.18	NA
1424951_at	4.86	3.20E-05	0.00043	9.42	1	Baiap211
1424138_at	4.86	3.22E-05	0.00043	5.33	1.28	Rhbdf1
1441765_at	4.86	3.24E-05	0.00043	10.53	0.75	NA
1420405_at	4.85	3.28E-05	0.00043	11.63	0.83	Slco1a4
1433758_at	4.85	3.31E-05	0.00044	6.86	1.1	Nisch
1434202_a_at	4.85	3.34E-05	0.00044	3.09	1.18	BC055107
1415771_at	4.84	3.44E-05	0.00045	11.49	0.66	Ncl
1440267_at	4.84	3.44E-05	0.00045	5.87	1.48	Pex1
1437979_at	4.83	3.47E-05	0.00045	3.89	1.05	Zcchc2
1447924_at	4.83	3.49E-05	0.00046	6.12	1.32	Nucks1
1430377_at	4.83	3.52E-05	0.00046	4.98	1.18	1300015D01Rik
1428168_at	4.82	3.56E-05	0.00046	4.77	1.29	Mpzi1
1423799_at	4.82	3.60E-05	0.00047	12.25	0.7	Eif1
1417027_at	4.82	3.63E-05	0.00047	9.34	1.11	Trim2
1426018_a_at	4.81	3.65E-05	0.00047	3.74	0.99	Sox6
1423531_a_at	4.8	3.76E-05	0.00048	9.19	0.93	Hnrnpa1
1423192_at	4.8	3.77E-05	0.00048	7.03	1.21	Pspc1
1451313_a_at	4.8	3.80E-05	0.00048	10.17	0.74	1110067D22Rik
1451002_at	4.8	3.81E-05	0.00049	11.38	0.78	Aco2
1448830_at	4.8	3.82E-05	0.00049	10.5	1.37	Dusp1
1456706_at	4.8	3.82E-05	0.00049	4.92	1.39	4833441D16Rik
1449198_a_at	4.8	3.83E-05	0.00049	10.03	1.16	St3gal5

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1422621_at	4.79	3.88E-05	0.00049	9.48	0.73	Ranbp2
1431244_s_at	4.79	3.91E-05	0.00049	4.03	1.03	Dnmbp
1447550_at	4.79	3.97E-05	0.0005	4.24	1.17	EG666892
1416505_at	4.78	4.00E-05	0.0005	6.72	2.63	Nr4a1
1460606_at	4.78	4.00E-05	0.0005	13.39	0.73	Hsd17b13
1421151_a_at	4.78	4.00E-05	0.0005	6.65	1.27	Epha2
1424456_at	4.78	4.01E-05	0.0005	7.48	1	Pvrl2
1424528_at	4.78	4.03E-05	0.0005	4.67	1.62	Cgref1
1439804_at	4.78	4.03E-05	0.0005	3.38	0.9	2310015A10Rik
1431011_at	4.77	4.09E-05	0.0005	7.12	1.23	Dlst
1429814_at	4.77	4.13E-05	0.00051	5.11	1.43	Pank1
1428288_at	4.76	4.22E-05	0.00052	12.28	0.84	2310051E17Rik
1437937_at	4.76	4.23E-05	0.00052	5.95	1.16	Ccbp2
1427347_s_at	4.76	4.26E-05	0.00052	12.55	0.67	Tubb2a
1424312_at	4.75	4.39E-05	0.00053	6.88	1.22	Adipor1
1435640_x_at	4.75	4.42E-05	0.00054	10.68	0.67	A130040M12Rik
1430145_at	4.75	4.45E-05	0.00054	6.01	1.1	Lrrc28
1422560_at	4.74	4.46E-05	0.00054	9.07	0.78	Rsc1a1
1460417_at	4.74	4.47E-05	0.00054	4.97	1.24	AB041803
1449337_at	4.74	4.54E-05	0.00055	12.2	0.86	Tdo2
1457438_at	4.74	4.57E-05	0.00055	3.74	1.23	NA
1427539_a_at	4.73	4.62E-05	0.00055	9.17	0.95	Zwint
1422997_s_at	4.72	4.72E-05	0.00056	12.01	1.34	Acot2
1427357_at	4.72	4.73E-05	0.00056	8.11	1.02	Cda
1422615_at	4.72	4.85E-05	0.00058	4.97	1.29	Map4k4
1452653_at	4.71	4.86E-05	0.00058	10.46	0.82	Slc25a22
1419523_at	4.71	4.95E-05	0.00059	11.79	0.74	Cyp3a13
1428440_at	4.71	4.97E-05	0.00059	8.8	0.88	Slc25a12
1439200_x_at	4.7	5.03E-05	0.00059	8	1.12	Erdr1
1444333_at	4.7	5.04E-05	0.00059	4.11	1.07	NA
1427798_x_at	4.7	5.11E-05	0.0006	4.37	1.16	NA
1440302_at	4.7	5.12E-05	0.0006	5.94	1.3	Slc25a3
1438360_x_at	4.7	5.14E-05	0.0006	11.98	0.63	Slc25a5
1444531_at	4.69	5.21E-05	0.00061	8.83	0.76	Sod2
1431214_at	4.68	5.31E-05	0.00062	6.93	2.01	LOC67527
1441150_x_at	4.68	5.34E-05	0.00062	7.51	1.02	NA
1451286_s_at	4.68	5.41E-05	0.00063	9.36	0.76	Fus
1444695_at	4.67	5.47E-05	0.00063	3.59	0.86	NA
1458308_at	4.67	5.49E-05	0.00063	3.64	1.03	Sbno2
1418328_at	4.67	5.53E-05	0.00064	4.43	1.59	Cpt1b
1423080_at	4.67	5.55E-05	0.00064	10.42	0.71	Tomm20
1418335_a_at	4.67	5.57E-05	0.00064	7.8	0.97	RP23-143A14.5
1423147_at	4.67	5.57E-05	0.00064	14.4	0.47	Mat1a
1435534_a_at	4.66	5.62E-05	0.00064	11.13	0.62	LOC100043869
1455305_x_at	4.66	5.63E-05	0.00064	9.21	0.72	Hnrnpa1
1460011_at	4.66	5.66E-05	0.00065	4.77	2.13	Cyp26b1
1460607_at	4.65	5.78E-05	0.00066	7.74	1.07	Igsf11
1424457_at	4.65	5.78E-05	0.00066	5.12	1.25	Apbb3
1453149_at	4.65	5.78E-05	0.00066	8.39	0.8	Slc25a32
1419549_at	4.64	6.03E-05	0.00068	14.17	0.46	Arg1
1436506_a_at	4.64	6.05E-05	0.00068	10.42	0.68	Snhg6
1430686_at	4.64	6.06E-05	0.00068	4.14	1.24	4833418N02Rik
1422470_at	4.64	6.07E-05	0.00068	12.89	0.72	Snip3

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1434660_at	4.64	6.09E-05	0.00068	5.04	1.29	Alkbh1
1442102_at	4.63	6.11E-05	0.00068	3.99	1.19	Polr3h
1416239_at	4.63	6.12E-05	0.00068	13.77	0.54	Ass1
1448802_at	4.63	6.15E-05	0.00069	7.13	0.93	Nufip1
1419518_at	4.63	6.24E-05	0.00069	4.11	1.04	Tuba8
1429778_at	4.63	6.24E-05	0.00069	8.69	0.85	Optn
1424943_at	4.62	6.27E-05	0.0007	8.41	1.15	Cyp4a31
1441274_at	4.62	6.36E-05	0.0007	4.52	1.11	4121402D02Rik
1447923_at	4.62	6.37E-05	0.0007	9.42	0.7	1810026B05Rik
1430978_at	4.62	6.45E-05	0.00071	5.24	1.15	Rps25
1439169_at	4.61	6.54E-05	0.00072	4.99	1.38	Eif4enif1
1435458_at	4.61	6.55E-05	0.00072	6.76	1.1	Pim1
1438307_at	4.6	6.66E-05	0.00073	3.89	1.25	Hmgb2
1426600_at	4.6	6.66E-05	0.00073	5.79	1.13	Slc2a1
1423079_a_at	4.59	6.89E-05	0.00074	13.17	0.59	Tomm20
1427352_at	4.59	6.96E-05	0.00075	3.24	0.84	Krt79
1419766_at	4.59	6.97E-05	0.00075	4.46	1.2	Snf1lk
1455550_x_at	4.58	7.09E-05	0.00076	13.53	0.55	Serinc3
1419067_a_at	4.58	7.15E-05	0.00076	7.58	0.97	Rabgef1
1449322_at	4.58	7.20E-05	0.00077	12.33	0.64	Ptp4a1
1420592_a_at	4.57	7.26E-05	0.00077	9.16	0.79	Anp32e
1417290_at	4.57	7.40E-05	0.00078	13.42	0.68	Lrg1
1452170_at	4.57	7.42E-05	0.00078	6.04	1.15	2010209O12Rik
1416739_a_at	4.56	7.50E-05	0.00079	7.11	1.32	Brp
1436001_at	4.56	7.51E-05	0.00079	5.01	1.22	2310028O11Rik
1428544_at	4.56	7.54E-05	0.00079	9.54	0.74	0610007L01Rik
1426515_a_at	4.56	7.59E-05	0.00079	9.99	0.72	Tor1a
1455434_a_at	4.55	7.66E-05	0.0008	8.81	0.84	Ktn1
1435198_at	4.55	7.67E-05	0.0008	7.12	0.88	LOC545228
1459897_a_at	4.55	7.70E-05	0.0008	4.68	1.21	Sbsn
1449107_at	4.55	7.72E-05	0.0008	10.36	0.67	Nudt4
1435432_at	4.55	7.77E-05	0.00081	5.22	1.03	Centg2
1434350_at	4.55	7.78E-05	0.00081	5.88	1.71	Axud1
1454793_x_at	4.55	7.79E-05	0.00081	11.55	0.64	Ddx5
1442414_at	4.54	7.96E-05	0.00082	4.44	0.96	Rnf103
1440225_at	4.54	7.97E-05	0.00082	7.52	1.13	Gpr116
1451065_a_at	4.54	8.05E-05	0.00083	9.97	0.67	Ddx39
1443807_x_at	4.54	8.08E-05	0.00083	4.16	1.16	Ccnf
1439539_at	4.54	8.10E-05	0.00083	6.51	1.17	Tram2
1455345_at	4.53	8.16E-05	0.00083	6.25	1.29	Phf15
1454159_a_at	4.53	8.19E-05	0.00083	12.94	0.64	Igfbp2
1440123_at	4.53	8.25E-05	0.00084	4.13	1.42	NA
1451069_at	4.53	8.26E-05	0.00084	9.42	1.72	Pim3
1441976_at	4.53	8.28E-05	0.00084	6	1.34	5430434G16Rik
1424715_at	4.52	8.39E-05	0.00085	13.28	0.91	Retsat
1416911_a_at	4.52	8.54E-05	0.00086	9.62	0.66	6330407G11Rik
1442014_at	4.51	8.58E-05	0.00086	5.9	1.92	Ifrd1
1459615_at	4.51	8.68E-05	0.00087	4.52	1.06	B130052P14Rik
1453332_at	4.51	8.72E-05	0.00087	7.51	1.16	2410002O22Rik
1423470_at	4.5	8.87E-05	0.00088	8.76	0.76	Ptbp2
1426118_a_at	4.5	8.89E-05	0.00089	8.79	0.78	Tomm40
1452610_at	4.5	8.90E-05	0.00089	4.98	1.18	Zkscan14
1457264_at	4.5	9.07E-05	0.0009	7.72	1.11	Phf20l1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1429477_at	4.49	9.33E-05	0.00092	4.54	0.99	Ncaph2
1435881_at	4.48	9.38E-05	0.00093	7.49	0.98	Map3k12
1415930_a_at	4.48	9.49E-05	0.00094	11.88	0.63	Map1lc3b
1428289_at	4.48	9.55E-05	0.00094	11.53	0.89	2310051E17Rik
1429092_at	4.47	9.65E-05	0.00095	9.27	0.73	Vkorc111
1451263_a_at	4.47	9.68E-05	0.00095	7.73	1.22	Fabp4
1425518_at	4.47	9.84E-05	0.00096	10.76	0.68	Rapgef4
1441233_at	4.46	9.98E-05	0.00098	7.59	0.95	Srp54a
1419103_a_at	4.46	9.99E-05	0.00098	10.79	0.87	Abhd6
1424676_s_at	4.46	0.0001	0.00098	9.79	0.76	Sec14I4
1453054_at	4.46	0.0001	0.00098	5.26	1.07	Scamp1
1454665_at	4.46	0.0001	0.00098	5.62	1.88	Irf2bp2
1445574_at	4.45	0.0001	0.00099	7.24	1.26	NA
1423895_a_at	4.45	0.0001	0.001	7.44	1	Cugbp2
1448848_at	4.45	0.0001	0.001	9.53	0.82	Tor1b
1440443_at	4.44	0.00011	0.00101	7.08	1.79	E030016H06Rik
1441793_at	4.44	0.00011	0.00102	8.16	0.79	Rnf39
1443116_at	4.44	0.00011	0.00102	4.47	1.33	Psme4
1446074_at	4.44	0.00011	0.00103	9.84	0.69	Mosc1
1437162_at	4.43	0.00011	0.00103	8.86	0.74	Caprin1
1423233_at	4.43	0.00011	0.00104	9.04	1.91	Cebpd
1439643_at	4.43	0.00011	0.00104	5.98	1.25	Acvr2a
1429055_at	4.43	0.00011	0.00104	10.12	0.74	4930506M07Rik
1437274_at	4.43	0.00011	0.00104	6.63	0.96	Copa
1423611_at	4.43	0.00011	0.00104	6.93	1.14	Alpl
1421058_at	4.43	0.00011	0.00104	4.37	1.17	Adh7
1429223_a_at	4.42	0.00011	0.00105	8.97	0.77	Hfe2
1459992_x_at	4.42	0.00011	0.00106	8.46	0.77	Cln8
1433519_at	4.42	0.00011	0.00107	11.95	0.64	Nucks1
1417029_a_at	4.42	0.00011	0.00107	4.54	1.17	Trim2
1427250_at	4.41	0.00011	0.00108	11.64	0.68	Atp2a2
1436120_at	4.41	0.00012	0.00108	6.81	1.53	Setdb2
1450395_at	4.41	0.00012	0.00109	10.52	1.03	Slc22a5
1459196_at	4.41	0.00012	0.00109	4.56	1.11	NA
1426942_at	4.4	0.00012	0.00112	7.44	0.95	Aim1
1449733_s_at	4.39	0.00012	0.00113	6.41	1.12	Siah1a
1457027_at	4.39	0.00012	0.00114	9.54	0.69	Dhtkd1
1436314_at	4.39	0.00012	0.00114	7.9	1.02	Scyl2
1453470_a_at	4.39	0.00012	0.00115	4.13	0.95	Gna13
1448271_a_at	4.38	0.00013	0.00117	5.84	1.15	Ddx21
1424481_s_at	4.38	0.00013	0.00117	3.55	0.87	Armcx5
1456159_at	4.38	0.00013	0.00117	6.89	1.23	Setd5
1444195_at	4.37	0.00013	0.00119	4.99	1.42	Rmnd5a
1443905_at	4.37	0.00013	0.0012	3.73	0.76	Sfrs8
1432517_a_at	4.37	0.00013	0.00121	12.23	0.79	Nnmt
1425030_at	4.36	0.00013	0.00121	7.07	0.93	Zfp622
1426664_x_at	4.36	0.00013	0.00122	8.98	0.83	Slc45a3
1428012_at	4.36	0.00013	0.00122	10.48	1.29	C8a
1441200_at	4.36	0.00013	0.00123	4.86	1.31	Klf3
1423439_at	4.35	0.00014	0.00124	14.13	0.46	Pck1
1437270_a_at	4.35	0.00014	0.00124	4.71	1.09	Clcf1
1431197_at	4.35	0.00014	0.00125	8.79	0.86	Arl6ip2
1437094_x_at	4.34	0.00014	0.00126	3.33	1.03	Dnaic1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1417212_at	4.34	0.00014	0.00128	9.37	0.76	9530058B02Rik
1454870_x_at	4.34	0.00014	0.00129	7.52	1.16	Gpr172b
1438658_a_at	4.33	0.00015	0.00131	5.55	1.33	Edg3
1425059_at	4.33	0.00015	0.00131	5.25	1.22	Prmt6
1448270_at	4.33	0.00015	0.00131	8.27	0.87	Ddx21
1435446_a_at	4.33	0.00015	0.00131	11.95	0.73	Chpt1
1440038_at	4.33	0.00015	0.00131	5.3	1.11	B430007K19Rik
1422778_at	4.33	0.00015	0.00132	10.5	0.6	Taf9
1423702_at	4.32	0.00015	0.00132	10.95	0.6	H1f0
1437093_at	4.32	0.00015	0.00133	4.03	1.02	Dnaic1
1456735_x_at	4.32	0.00015	0.00134	9.68	0.76	Acpl2
1455540_at	4.32	0.00015	0.00134	14.24	0.43	Cps1
1438359_at	4.32	0.00015	0.00135	10.7	0.61	2010003K15Rik
1451543_at	4.31	0.00015	0.00136	6.89	1.12	Fbxo21
1455430_at	4.31	0.00015	0.00136	8.11	0.94	Prr8
1417499_at	4.31	0.00015	0.00136	10.08	0.68	Timm10
1455371_at	4.31	0.00015	0.00137	3.72	0.91	Rfxank
1416923_a_at	4.31	0.00016	0.00138	10.85	0.72	Bnip3l
1430271_x_at	4.3	0.00016	0.00139	8.1	0.73	Josd3
1418447_at	4.3	0.00016	0.00139	9.42	0.69	Golga5
1451539_at	4.3	0.00016	0.0014	8.81	0.9	Baiap2l1
1449442_at	4.3	0.00016	0.0014	11.11	1.02	Pex11a
1456844_at	4.3	0.00016	0.00141	3.89	0.93	Camk2d
1451612_at	4.29	0.00016	0.00142	7.73	2.62	Mt1
1444218_at	4.29	0.00016	0.00143	4.62	1.05	D19Ert737e
1416794_at	4.29	0.00016	0.00143	10.19	0.72	Arl6ip2
1424932_at	4.29	0.00016	0.00143	9.48	1.44	Egfr
1426291_at	4.29	0.00016	0.00143	3.72	0.91	Dimt1
1426607_at	4.28	0.00017	0.00145	8.87	0.72	EG633640
1448133_at	4.28	0.00017	0.00145	8.9	0.68	Nmd3
1448854_s_at	4.28	0.00017	0.00146	13.48	1.01	Mug1
1418300_a_at	4.28	0.00017	0.00148	10.84	0.63	Mknk2
1439515_at	4.27	0.00017	0.00149	7.48	0.88	Setd5
1442499_at	4.27	0.00017	0.00149	5.2	1.07	Cdv3
1445543_at	4.27	0.00017	0.00149	3.49	0.89	Zmym5
1430077_at	4.27	0.00017	0.00149	6.33	1.22	Sfrs11
1431800_at	4.27	0.00017	0.0015	4.74	1.23	1300010F03Rik
1456071_a_at	4.26	0.00017	0.00151	14.1	0.46	Cyca
1437238_x_at	4.26	0.00017	0.00151	9.53	0.61	Nmd3
1428068_at	4.26	0.00017	0.00151	9.98	0.63	Samm50
1440854_at	4.26	0.00017	0.00151	5.31	1.01	2810403A07Rik
1443649_at	4.26	0.00018	0.00151	5.52	0.99	Huwe1
1428809_at	4.26	0.00018	0.00152	5.38	1.08	1810010H24Rik
1426625_at	4.26	0.00018	0.00152	8.21	1	Zfp623
1452061_s_at	4.26	0.00018	0.00152	9.21	0.68	Strbp
1423431_a_at	4.26	0.00018	0.00152	9.18	0.68	Mybbp1a
1443835_x_at	4.26	0.00018	0.00153	5.86	0.98	1110014K08Rik
1430161_at	4.25	0.00018	0.00154	2.94	0.67	Dlst
1441718_at	4.25	0.00018	0.00154	3.04	0.79	Ubr5
1424677_at	4.25	0.00018	0.00155	6.11	1.02	Cyp2j9
1441023_at	4.25	0.00018	0.00157	4.41	1.07	Eif2s2
1430370_at	4.24	0.00018	0.00158	5.49	1.45	Eprs
1426950_at	4.24	0.00019	0.00159	8.65	0.73	Parp16

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1429822_at	4.24	0.00019	0.0016	8.59	1.01	4633401B06Rik
1433668_at	4.24	0.00019	0.0016	11.41	0.6	Pnrc1
1424853_s_at	4.23	0.00019	0.00161	14.86	0.38	Cyp4a10
1460196_at	4.23	0.00019	0.00161	10.76	0.83	Cbr1
1434802_s_at	4.23	0.00019	0.00163	4.33	2	Ntf3
1428738_a_at	4.22	0.0002	0.00164	10.01	0.68	D14Ert449e
1460725_at	4.22	0.0002	0.00164	8.96	0.69	Xpa
1453081_at	4.22	0.0002	0.00164	5.42	1.07	2410022M11Rik
1430969_at	4.22	0.0002	0.00164	5.32	0.96	Mtch2
1456865_x_at	4.22	0.0002	0.00164	10.53	0.69	Rrs1
1438992_x_at	4.22	0.0002	0.00164	9.68	0.73	Atf4
1455656_at	4.22	0.0002	0.00165	4.99	1.21	Btla
1426395_s_at	4.21	0.0002	0.00169	9.48	0.61	Eif3j
1442671_at	4.21	0.0002	0.00171	2.95	0.72	Ube2k
1421681_at	4.21	0.00021	0.00171	6.03	1.59	Nrg4
1420093_s_at	4.2	0.00021	0.00172	9.51	0.68	Hnrpd1
1416576_at	4.2	0.00021	0.00173	4.57	1.19	Socs3
1431334_a_at	4.19	0.00021	0.00176	6.19	1.11	4933433P14Rik
1424201_a_at	4.19	0.00021	0.00176	6.97	0.93	Seh1l
1427533_at	4.19	0.00021	0.00177	4.16	1.01	Als2cl
1453356_at	4.19	0.00021	0.00178	4.97	1.17	5730453I16Rik
1441266_at	4.19	0.00022	0.00179	5.84	1.19	Strn3
1422509_at	4.19	0.00022	0.00179	10.89	0.62	U2af1
(-)PyrCarbMur/L09192_M	4.17	0.00022	0.00183	9.5	0.7	Pcx
1439348_at	4.17	0.00023	0.00184	5.31	1.03	S100a10
1456256_at	4.17	0.00023	0.00187	8.97	0.79	Eif5
1440671_at	4.16	0.00023	0.00188	4.55	1.26	A130012E19Rik
1456386_at	4.16	0.00023	0.00188	9.38	0.83	Rbm39
1440272_at	4.16	0.00023	0.00189	7.36	0.93	Eif2s1
1456986_at	4.16	0.00023	0.0019	2.93	0.76	Zbtb16
1417819_at	4.16	0.00024	0.00191	7.86	1.01	Tor1b
1456698_s_at	4.16	0.00024	0.00191	9.61	0.66	Hnrpd1
1458536_at	4.16	0.00024	0.00191	3.35	0.75	Ccni
1454935_at	4.16	0.00024	0.00191	8.9	0.79	D930001I22Rik
1423430_at	4.15	0.00024	0.00193	7.44	1.01	Mybbp1a
1426850_a_at	4.15	0.00024	0.00194	4.18	1.06	Map2k6
1429784_at	4.15	0.00024	0.00194	6.81	1.04	Mapk1ip1l
1453006_at	4.15	0.00024	0.00194	3.35	0.8	Fgfbp3
1424610_at	4.15	0.00024	0.00194	7.86	0.95	Trub2
1415773_at	4.14	0.00025	0.00197	10.62	0.63	Ncl
1452363_a_at	4.14	0.00025	0.00198	8.31	0.79	Atp2a2
1428357_at	4.14	0.00025	0.00199	8.07	0.85	2610019F03Rik
1458962_at	4.13	0.00026	0.00203	6.76	0.84	Rnf103
1416998_at	4.13	0.00026	0.00204	9.37	0.72	Rrs1
1419395_at	4.12	0.00026	0.00205	10.83	0.62	Acot12
1450624_at	4.12	0.00026	0.00205	15.09	0.3	Bhmt
1455935_at	4.12	0.00026	0.00206	4.6	1.07	2410131K14Rik
1424074_at	4.12	0.00026	0.00207	5.36	1	Btf3l4
1440158_x_at	4.12	0.00026	0.00208	3.24	0.95	Chchd7
1429593_at	4.11	0.00027	0.00209	7.99	1.3	Slc38a2
1456363_at	4.11	0.00027	0.00211	4.29	1.07	St7l
1442350_at	4.11	0.00027	0.00212	3.88	1.46	NA
1451644_a_at	4.11	0.00027	0.00212	7.58	1.23	H2-gs10

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1448990_a_at	4.11	0.00027	0.00212	9.69	0.59	Myo1b
1417201_at	4.1	0.00027	0.00214	5.74	1.07	Nt5c2
1428888_at	4.1	0.00027	0.00214	3.73	0.87	Tmem33
1434882_at	4.1	0.00027	0.00214	9.64	0.62	Mtdh
1454288_at	4.1	0.00028	0.00215	4.96	1.05	5830468K08Rik
1436202_at	4.1	0.00028	0.00216	7.55	1.6	NA
1418659_at	4.1	0.00028	0.00216	9.13	0.62	Clock
1423796_at	4.09	0.00028	0.00218	7.66	0.78	Sfpq
1424611_x_at	4.09	0.00028	0.00221	8.22	0.78	Trub2
1433632_at	4.09	0.00029	0.00221	7.66	1.64	Irf2bp2
1417042_at	4.09	0.00029	0.00222	11.24	0.8	Slc37a4
1441973_at	4.08	0.00029	0.00225	6.46	0.9	Zfp295
1439314_at	4.08	0.0003	0.00228	5.77	0.95	Clock
1420930_s_at	4.07	0.0003	0.00229	4.96	1.02	Ctnna1
1416846_a_at	4.07	0.0003	0.00229	8.57	0.86	Pdzrn3
1434866_x_at	4.07	0.0003	0.00229	11.64	0.66	Cpt1a
1444783_at	4.07	0.0003	0.00229	3.32	0.71	Abi2
1438259_at	4.07	0.0003	0.00229	6.85	0.99	NA
1440417_at	4.07	0.0003	0.0023	5.13	1.24	D19Ert409e
1418488_s_at	4.07	0.0003	0.0023	8.35	1.01	Ripk4
1418645_at	4.07	0.0003	0.0023	11.41	0.75	Hal
1439630_x_at	4.07	0.0003	0.0023	4.01	0.96	Sbsn
1418734_at	4.06	0.00031	0.00234	3.41	0.84	H2-Q1
1456011_x_at	4.06	0.00031	0.00235	10.25	0.6	Acaa1a
1423862_at	4.06	0.00031	0.00235	5.8	1.15	Plekhf2
1450417_a_at	4.05	0.00031	0.00239	6.12	1.03	Rps20
1455901_at	4.05	0.00032	0.0024	10.68	0.57	Chpt1
1439537_at	4.05	0.00032	0.00241	6.56	0.97	NA
1424251_a_at	4.05	0.00032	0.00242	11.77	0.61	Hnrpd1
1451587_a_at	4.05	0.00032	0.00242	8.72	0.7	Tipr1
1440263_at	4.04	0.00032	0.00243	3.55	0.73	Nrp
1445534_at	4.04	0.00033	0.00247	6.72	1.12	Flnb
1425305_at	4.03	0.00033	0.00249	4.06	0.87	Zfp295
1428389_s_at	4.03	0.00034	0.00253	8.2	0.74	Wdr43
1455013_at	4.02	0.00034	0.00255	7.86	0.82	Arih2
1417116_at	4.02	0.00034	0.00255	4.45	0.89	Slc6a8
1428106_at	4.02	0.00034	0.00256	10.5	0.55	1300001I01Rik
1437302_at	4.02	0.00035	0.00257	5.49	1.67	Adrb2
1426663_s_at	4.02	0.00035	0.00257	8.94	0.79	Slc45a3
1435222_at	4.02	0.00035	0.00258	7.07	0.88	Foxp1
1438178_x_at	4.01	0.00035	0.00261	10.94	0.61	Atad3a
1448950_at	4.01	0.00035	0.00262	6.81	1.57	Il1r1
1416930_at	4.01	0.00035	0.00262	4.81	1.4	Ly6d
1440134_at	4.01	0.00035	0.00262	8.75	0.81	Cyp4a31
1428478_at	4.01	0.00036	0.00263	3.95	0.8	Reep4
1424790_at	4.01	0.00036	0.00265	8.04	0.75	Slc25a42
1433779_at	4.01	0.00036	0.00265	4.44	0.87	Casc4
1438371_x_at	4	0.00036	0.00267	12.5	0.48	Ddx5
1417130_s_at	4	0.00036	0.00267	11.55	0.68	Angptl4
1460035_at	4	0.00036	0.00267	5.36	1	Phb2
1456651_a_at	4	0.00036	0.00267	6.99	0.89	Tpr
1448455_at	4	0.00036	0.00268	6.93	0.97	Cln8
1435985_at	4	0.00037	0.0027	7.83	0.74	Farp2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1423130_a_at	4	0.00037	0.0027	11.73	0.6	Sfrs5
1442793_s_at	3.99	0.00037	0.00273	8.86	0.72	Tbrg4
1454078_a_at	3.99	0.00037	0.00274	3.46	0.89	Gal3st1
1416793_at	3.99	0.00038	0.00274	11.86	0.57	Arl6ip2
1459601_at	3.99	0.00038	0.00274	4.45	1.36	Snf1lk
1447025_at	3.99	0.00038	0.00276	3.17	0.93	Ube2e2
1433759_at	3.98	0.00038	0.00278	8.65	0.8	Dpy19l1
1436108_at	3.97	0.00039	0.00284	4.99	1	Txndc9
1423654_a_at	3.97	0.00039	0.00284	9.72	0.58	Rnf4
1416060_at	3.97	0.00039	0.00285	10.73	0.55	Tbc1d15
1436323_at	3.97	0.00039	0.00285	6.55	0.92	2810001A02Rik
1456541_x_at	3.97	0.0004	0.00285	10.65	0.57	Atad3a
1433819_s_at	3.97	0.0004	0.00285	9.76	0.61	Agpat3
1451077_at	3.97	0.0004	0.00287	9.3	0.68	Rpl5
1433816_at	3.96	0.0004	0.0029	10.49	0.83	Mcart1
1448034_at	3.96	0.00041	0.0029	9.03	0.68	AI842396
1456886_at	3.96	0.00041	0.00291	7.37	0.91	Brp44l
1458518_at	3.96	0.00041	0.00293	5.01	1.07	Cpeb2
1429717_at	3.96	0.00041	0.00294	3.21	0.76	Ipo11
1429038_at	3.96	0.00041	0.00295	7.72	0.83	Dda1
1439934_at	3.96	0.00041	0.00295	8.9	0.77	Slc30a10
1434939_at	3.95	0.00042	0.00296	5.86	1.05	Foxf1a
1423710_at	3.95	0.00042	0.00299	10.83	0.64	Dlst
1436740_at	3.95	0.00042	0.003	8.31	0.74	6820431F20Rik
1424731_at	3.94	0.00043	0.00301	3.96	0.94	Nle1
1456506_at	3.94	0.00043	0.00302	5.62	0.97	Prpf38b
1420832_at	3.94	0.00043	0.00303	10.26	0.58	Qsox1
1450777_at	3.94	0.00043	0.00303	8.69	0.7	Xrn2
1423661_s_at	3.94	0.00043	0.00303	5.95	0.97	Ctdsp2
1427225_at	3.94	0.00043	0.00303	5.86	0.93	Epn2
1429436_at	3.94	0.00043	0.00303	8.45	0.63	Prpf40a
1439722_at	3.93	0.00044	0.00307	6.81	0.89	NA
1447951_at	3.93	0.00044	0.00307	5.28	1.64	5730403B10Rik
1430369_at	3.93	0.00044	0.00309	3.66	0.85	Epb4.1
1417188_s_at	3.93	0.00045	0.00312	6.5	0.85	Ube2k
1448970_at	3.92	0.00046	0.00318	10.27	0.58	Slc25a46
1457851_at	3.92	0.00046	0.00318	6.51	1.42	D10Erttd276e
1416996_at	3.92	0.00046	0.00319	7.89	1.04	Tbc1d8
1428542_at	3.91	0.00046	0.0032	9.34	0.67	Eif1ad
1441081_a_at	3.91	0.00046	0.0032	7.7	0.8	1110038B12Rik
1437110_at	3.91	0.00046	0.0032	9.28	0.98	2810474O19Rik
1417279_at	3.91	0.00047	0.00321	7.47	0.94	Itp1
1447891_at	3.91	0.00047	0.00321	4.55	1.47	Tacc2
1441688_at	3.91	0.00047	0.00322	3.83	1.38	6430537I21Rik
1426464_at	3.91	0.00047	0.00323	5.46	1.31	Nr1d1
1435003_at	3.9	0.00048	0.00326	9.25	0.68	Pi4ka
1422996_at	3.9	0.00048	0.00326	6.82	1.49	Acot2
1442311_at	3.9	0.00048	0.00326	6.83	0.94	Zfr
1442047_at	3.9	0.00048	0.0033	3.68	0.83	Rreb1
1427171_at	3.9	0.00048	0.0033	7.46	0.87	Rlf
1419292_at	3.9	0.00048	0.0033	3.77	0.98	Htra3
(-Pyr)CarbMur/L09192_M	3.9	0.00049	0.00331	6.92	0.91	Pcx
1439249_at	3.9	0.00049	0.00332	6.07	0.93	Wac

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1451680_at	3.89	0.00049	0.00333	6.44	1.1	Srxn1
1419130_at	3.89	0.00049	0.00333	4.92	0.99	Adat2
1421005_at	3.89	0.00049	0.00334	4.95	0.93	Cep110
1451979_at	3.89	0.00049	0.00335	9.62	0.63	Kras
1445241_at	3.89	0.0005	0.00336	3.43	0.74	Rab11fip4
1439173_at	3.89	0.0005	0.00336	5.46	1.2	Hook1
1434553_at	3.89	0.0005	0.00338	12.89	0.54	Tmem56
1426609_at	3.89	0.0005	0.00339	7.46	0.86	Dis3
1444349_at	3.89	0.0005	0.00339	4.71	0.99	Arid2
1444875_at	3.88	0.0005	0.00339	4.09	0.85	Ppp2ca
1416485_at	3.88	0.0005	0.0034	12.26	0.52	Timm23
1426327_s_at	3.88	0.00051	0.00341	8.61	0.66	Zfp91
1434384_at	3.88	0.00051	0.00341	8.12	0.72	Nrip1
1422767_at	3.88	0.00051	0.00341	7.42	0.75	Bysl
1443546_at	3.88	0.00051	0.00342	4.7	1.09	Hdlbp
1429556_at	3.88	0.00052	0.00346	5.54	1.08	2610024B07Rik
1459971_at	3.87	0.00052	0.00346	4.49	1.25	Kcnt2
1455616_at	3.87	0.00052	0.00349	3.8	0.75	AI586002
1451770_s_at	3.87	0.00053	0.0035	10.65	0.58	Dhx9
1421907_at	3.87	0.00053	0.0035	8.07	0.7	Med1
1442445_at	3.87	0.00053	0.0035	3.46	0.86	2610027H17Rik
1429863_at	3.87	0.00053	0.00353	5.37	1.05	Lonrf3
1426343_at	3.86	0.00054	0.00356	9.53	0.54	Stt3b
1429216_at	3.86	0.00054	0.00357	7.77	0.81	Paqr3
1453512_at	3.86	0.00054	0.00358	4.54	1.13	5830407P18Rik
1441947_x_at	3.86	0.00054	0.00359	8.64	0.75	BC033915
1460316_at	3.85	0.00055	0.00361	9.01	0.63	Acsl1
1416216_at	3.85	0.00055	0.00361	8.02	0.74	Reps1
1424776_a_at	3.85	0.00055	0.00362	7.68	0.93	Slc25a28
1422031_a_at	3.85	0.00055	0.00363	10.21	0.55	Zfand6
1460203_at	3.85	0.00055	0.00364	8.28	0.82	Itrp1
1435034_at	3.85	0.00055	0.00364	4.45	1.04	Rpap2
1448953_at	3.85	0.00056	0.00366	3.57	1.05	Blm
1448937_at	3.84	0.00056	0.00369	8.51	0.6	Slc35b3
1459242_at	3.84	0.00057	0.00372	3.8	1.14	Elov15
1437711_x_at	3.84	0.00057	0.00372	12.1	0.52	Odc1
1416605_at	3.84	0.00057	0.00372	9.12	0.69	Nola2
1444472_at	3.83	0.00058	0.00377	4.06	0.91	Snf1lk2
1440822_x_at	3.83	0.00059	0.00382	8.86	0.64	Reps1
1456130_at	3.82	0.00059	0.00385	3.27	0.67	LOC553091
1420072_s_at	3.82	0.00059	0.00385	3.78	1.03	NA
1438593_at	3.82	0.0006	0.00386	3.5	0.85	NA
1452500_at	3.82	0.0006	0.00388	3.7	0.7	Tmlhe
1448274_at	3.82	0.0006	0.00389	10.24	0.55	C1qbp
1424607_a_at	3.82	0.00061	0.0039	10.95	0.66	LOC545174
1450031_at	3.82	0.00061	0.00391	10.1	0.58	Aff4
1417601_at	3.81	0.00061	0.00392	6.57	1.16	Rgs1
1418714_at	3.81	0.00061	0.00392	3.02	0.79	Dusp8
1456668_at	3.81	0.00061	0.00393	3.51	0.69	Zcchc11
1431220_at	3.81	0.00062	0.00396	4.5	0.99	LOC100040353
1445235_at	3.81	0.00062	0.004	5.27	0.99	Ythdf3
1430020_x_at	3.8	0.00063	0.00401	8.77	0.6	Hnrnpa1
1456991_at	3.8	0.00063	0.00405	4.98	1.04	Cobll1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1423372_at	3.8	0.00063	0.00405	8.31	0.82	Pole4
1460711_at	3.8	0.00063	0.00405	8.2	0.67	Dnajc21
1459274_at	3.8	0.00064	0.00406	4.66	0.89	Gpr135
1430151_at	3.8	0.00064	0.00409	3.29	0.83	Nisch
1416425_at	3.79	0.00064	0.0041	10.45	0.59	Pex19
1439478_at	3.79	0.00065	0.00411	10.17	1.05	Acot2
1448140_at	3.79	0.00065	0.00411	5.6	0.88	Ciapin1
1435278_at	3.79	0.00065	0.00411	5.6	0.87	1810036N14Rik
1425559_a_at	3.79	0.00065	0.00411	10.45	0.61	Acs3
1443255_s_at	3.79	0.00066	0.00414	3.42	0.86	Cdgap
1434089_at	3.79	0.00066	0.00416	6.03	1.14	Synpo
1420033_s_at	3.78	0.00066	0.00417	10.95	0.58	Ppp2r2d
1428025_s_at	3.78	0.00066	0.00417	6.66	0.84	Pitpnc1
1435947_at	3.78	0.00066	0.00417	7.05	0.97	2810455D13Rik
1440179_x_at	3.78	0.00067	0.00419	9.71	0.58	Rnf217
1443166_at	3.78	0.00067	0.00423	4.14	1.02	BC021395
1451794_at	3.78	0.00067	0.00423	3.58	1	Tmcc3
1429914_at	3.78	0.00068	0.00423	3.97	0.89	Epc1
1416290_a_at	3.78	0.00068	0.00424	11.98	0.49	Psmc4
1456574_at	3.77	0.00069	0.00429	8.23	0.69	NA
1447520_at	3.77	0.00069	0.0043	5.66	0.9	Lbp
1419100_at	3.77	0.00069	0.0043	11.72	0.7	Serpina3n
1420609_at	3.77	0.00069	0.00432	10.62	0.51	Mar-07
1433453_a_at	3.76	0.0007	0.00434	9.39	0.7	Abtb2
1419805_s_at	3.76	0.0007	0.00435	6.7	0.81	Ggps1
1456932_at	3.76	0.0007	0.00435	2.84	0.56	EG330503
1459689_at	3.76	0.0007	0.00435	3.75	1.42	Gpd2
1455497_at	3.76	0.00071	0.0044	3.53	0.65	Leng9
1454488_at	3.75	0.00072	0.00444	2.77	0.5	4930534I15Rik
1435771_at	3.75	0.00072	0.00447	5.77	0.92	Plcb4
1425632_a_at	3.75	0.00073	0.00448	7.23	0.89	Pqlc2
1419857_at	3.75	0.00073	0.00449	7.73	1.25	NA
1439477_at	3.75	0.00074	0.00452	6.26	0.89	5430406J06Rik
1426326_at	3.75	0.00074	0.00452	8.99	0.68	Zfp91
1452648_at	3.74	0.00074	0.00456	10.51	0.52	Tbrg1
1443125_at	3.74	0.00074	0.00456	5.9	0.92	Trip12
1444089_at	3.74	0.00075	0.00457	3.81	1.02	Spnb2
1433284_at	3.74	0.00075	0.00458	2.54	0.79	4921522E08Rik
1415957_a_at	3.74	0.00076	0.00461	8.21	0.69	Rrp1
1451408_at	3.73	0.00076	0.00462	5.71	1.01	Trub2
1447156_at	3.73	0.00076	0.00463	4.44	0.92	Chm
1445571_at	3.73	0.00076	0.00465	3.87	0.8	Tbk1
1417348_at	3.73	0.00077	0.00465	10.98	0.53	2310039H08Rik
1451557_at	3.73	0.00077	0.0047	13.07	0.89	Tat
1418874_a_at	3.73	0.00078	0.00471	11.46	0.56	Psmc4
1457279_at	3.73	0.00078	0.00471	4.86	0.86	NA
1416383_a_at	3.73	0.00078	0.00471	11.6	0.61	Pcx
1416005_at	3.72	0.00078	0.00474	11.07	0.47	Psmc1
1417797_a_at	3.72	0.00079	0.00475	7.74	0.82	1810019J16Rik
1427087_at	3.72	0.00079	0.00477	7.82	0.69	Luc7l2
1451256_at	3.72	0.0008	0.0048	3.62	0.72	Gpr172b
1437660_at	3.72	0.0008	0.00481	6.27	0.95	Nktr
1437100_x_at	3.72	0.0008	0.00481	11.1	1.35	Pim3

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1416563_at	3.71	0.0008	0.00483	4.37	0.99	Ctps
1448135_at	3.71	0.00081	0.00484	9.8	0.61	Atf4
1452074_at	3.71	0.00081	0.00486	6.45	0.85	Tmem135
1455102_at	3.71	0.00081	0.00487	8.84	0.6	Larp4
1430147_a_at	3.71	0.00081	0.00487	7.37	0.86	Josd3
1434138_at	3.71	0.00081	0.00487	6.92	0.99	Prune
1456518_at	3.71	0.00081	0.00487	3.96	0.79	4930422I07Rik
1418260_at	3.71	0.00082	0.00488	3.42	0.73	Hunk
1422461_at	3.71	0.00082	0.00489	9.07	0.63	Atad3a
1416922_a_at	3.71	0.00082	0.00491	10.5	0.63	Bnip3l
1432511_s_at	3.7	0.00083	0.00495	4.96	0.93	Cep27
1449029_at	3.7	0.00084	0.005	5.43	0.85	Mknk2
1441006_at	3.7	0.00084	0.005	3.82	0.69	LOC100043081
1460109_at	3.7	0.00084	0.005	3.27	0.67	Tcf25
1446357_at	3.69	0.00085	0.00504	5.04	0.93	BC020402
1452154_at	3.69	0.00085	0.00504	8.5	0.6	Iars
1436208_at	3.69	0.00085	0.00504	4.33	0.88	Asb1
1428373_at	3.69	0.00085	0.00506	6.1	1.23	Ihpk2
1441796_at	3.69	0.00086	0.00507	5.87	0.94	2010309E21Rik
1437288_at	3.69	0.00086	0.00508	10.63	0.49	Impad1
1441501_at	3.69	0.00087	0.0051	6.32	0.94	Serbp1
1428306_at	3.69	0.00087	0.0051	8.1	2.53	Ddit4
1439045_x_at	3.68	0.00087	0.00512	3.76	0.74	Tc2n
1421704_a_at	3.68	0.00087	0.00514	5.2	0.93	Pik3c2g
1437102_at	3.68	0.00087	0.00514	7.82	0.73	Ythdf1
1447898_s_at	3.68	0.00088	0.00514	10.59	0.5	Sfrs6
1437343_x_at	3.68	0.00088	0.00514	9.26	0.66	Atad3a
1423684_at	3.68	0.00088	0.00515	11.81	0.52	Hnrpk
1456715_at	3.68	0.00088	0.00515	3.79	1.02	Mycbp2
1437045_at	3.68	0.00088	0.00515	6.49	0.83	Mapk8
1433769_at	3.68	0.00088	0.00515	7.81	0.78	Als2cl
1434548_at	3.68	0.00088	0.00516	9.54	0.7	Serinc3
X-PyruCarbMur/L09192_3	3.68	0.00089	0.00517	11.25	0.61	Pcx
1417511_at	3.68	0.00089	0.00518	7.65	0.72	Lyar
1439215_at	3.68	0.00089	0.00518	3.89	0.87	Atp2c1
1416144_a_at	3.68	0.00089	0.0052	11.58	0.56	Dhx15
1429168_at	3.68	0.00089	0.0052	4.28	0.85	Zbtb46
1430802_at	3.68	0.00089	0.0052	5.5	0.87	H2-Q8
1426579_at	3.68	0.00089	0.0052	7.36	0.75	Gnl2
1434524_at	3.67	0.00089	0.0052	7.76	0.76	Eif2b3
1450788_at	3.67	0.00089	0.0052	10.85	1.48	Saa1
1438948_x_at	3.67	0.0009	0.00523	9.85	0.56	Tspo
1435632_at	3.67	0.0009	0.00523	7.1	0.77	Nufip2
1421153_at	3.67	0.00091	0.00525	4.21	0.96	Loxl4
1431252_a_at	3.67	0.00091	0.00525	6.97	0.83	Zfp655
1444908_at	3.67	0.00091	0.00527	4.79	0.97	Habp4
1422557_s_at	3.66	0.00093	0.00535	13.19	0.75	Mt1
1434272_at	3.65	0.00095	0.00546	10.61	0.65	Cpeb2
1430525_at	3.65	0.00096	0.00548	3.85	1.08	2310001K24Rik
1452929_at	3.65	0.00096	0.00549	8.32	0.63	Clip1
1425859_a_at	3.65	0.00096	0.00549	11.18	0.55	Psmc4
1446129_at	3.65	0.00096	0.00549	3.32	0.64	Rab5a
1443471_at	3.65	0.00096	0.00551	7.51	1.28	Zbtb20

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1435679_at	3.64	0.00098	0.0056	9.39	0.6	Otpn
1426737_at	3.64	0.00099	0.00561	6.87	0.87	Gspt1
1418901_at	3.63	0.001	0.00567	11.3	1.18	Cebpb
1454646_at	3.63	0.001	0.0057	9.06	0.62	Tcp11l2
1438168_x_at	3.63	0.001	0.0057	9.96	0.54	Ddx39
1417880_at	3.63	0.00101	0.00573	12.74	0.61	G6pc
1419636_at	3.62	0.00102	0.00578	8.3	0.72	4833420G17Rik
1425097_a_at	3.62	0.00102	0.00578	4.44	0.84	Zfp106
1435221_at	3.62	0.00103	0.0058	5.46	0.9	NA
1438403_s_at	3.62	0.00103	0.0058	12.41	0.5	Malat1
1423643_at	3.62	0.00103	0.0058	8.58	0.66	Ddx39
1424344_s_at	3.62	0.00104	0.00582	8.62	0.73	Eif1a
1421874_a_at	3.62	0.00104	0.00583	8.55	0.65	Mrps23
1419994_s_at	3.62	0.00104	0.00585	8.51	0.67	D10Ert641e
1429264_at	3.62	0.00104	0.00585	8.34	0.6	C030044B11Rik
1434282_at	3.61	0.00105	0.00589	8.06	0.77	Ibtk
1458676_at	3.61	0.00106	0.00593	3.87	0.9	Nktr
1450986_at	3.61	0.00107	0.00599	8.35	0.67	Nol5
1433717_at	3.61	0.00108	0.00599	10.64	0.53	D19Wsu162e
1418822_a_at	3.61	0.00108	0.00599	11.05	0.46	Arf6
1425529_s_at	3.61	0.00108	0.006	9.93	0.56	D19Wsu162e
1453976_at	3.6	0.00108	0.00602	3.57	0.69	4432414F05Rik
1429810_at	3.6	0.00109	0.00603	4.16	0.8	4921505C17Rik
1459350_at	3.6	0.00109	0.00605	3.05	0.6	Socs6
1455683_a_at	3.6	0.00109	0.00605	5.87	0.95	Tbc1d8
1416860_s_at	3.6	0.0011	0.00607	9.21	0.57	Ing1
1420630_at	3.6	0.0011	0.00611	7.47	0.76	8430419L09Rik
1416983_s_at	3.6	0.0011	0.00611	9.21	0.91	Foxo1
1455437_at	3.6	0.0011	0.00611	9.63	0.55	9030204A07Rik
1443046_at	3.6	0.00111	0.00612	5.6	1.35	Abcd3
1436796_at	3.59	0.00111	0.00615	4.74	0.9	Matr3
1417351_a_at	3.59	0.00112	0.00616	9.79	0.55	Snrpa1
1438725_at	3.59	0.00113	0.00622	5.56	0.83	Med13
1452125_at	3.59	0.00113	0.00622	8.29	0.64	Thrap3
1430043_at	3.59	0.00113	0.00623	3.35	0.88	Ttc19
1457949_at	3.59	0.00114	0.00624	4.94	0.93	NA
1449457_at	3.59	0.00114	0.00625	10.85	0.55	Acot12
1429767_at	3.58	0.00114	0.00626	6.13	0.87	2810013P06Rik
1422472_at	3.58	0.00115	0.00629	6.44	0.87	Pex13
1426246_at	3.58	0.00115	0.00631	9.24	0.69	Pros1
1456514_at	3.58	0.00116	0.00632	3.81	0.73	NA
1416939_at	3.58	0.00116	0.00632	12.23	0.52	Ppa1
1456718_at	3.58	0.00116	0.00633	9.23	0.62	Tmem56
1430769_s_at	3.58	0.00116	0.00633	7.89	0.75	2900009I07Rik
1458709_a_at	3.58	0.00116	0.00634	3.07	0.65	Atxn7l1
1428011_a_at	3.58	0.00117	0.00636	11.06	0.46	Erbp2ip
1432850_at	3.57	0.00117	0.00637	5.27	0.93	5430434G16Rik
1421968_a_at	3.57	0.00118	0.00639	8.44	0.62	Nipa2
1433567_at	3.57	0.00119	0.00643	10.02	0.57	Gmps
1436791_at	3.57	0.00119	0.00644	3.42	0.65	Wnt5a
1432562_at	3.57	0.00119	0.00645	3.88	0.83	1110006G14Rik
1429336_at	3.57	0.00119	0.00645	7.88	0.81	Tmem87b
1422033_a_at	3.57	0.00119	0.00647	3.86	0.81	Zfp91

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1427941_at	3.57	0.0012	0.00648	6.38	0.81	Dicer1
1438761_a_at	3.57	0.0012	0.00648	10.37	0.57	EG666231
1444503_at	3.56	0.00121	0.00653	4.59	0.94	Gbas
1448334_a_at	3.56	0.00122	0.00655	12.44	0.43	Ccni
1448364_at	3.56	0.00122	0.00656	5.42	0.78	Ccng2
1437106_at	3.56	0.00122	0.00657	7.05	0.72	Jarid1a
1437797_at	3.56	0.00122	0.00657	6.25	0.94	Atp2a2
1458469_at	3.56	0.00122	0.00658	6.87	0.92	Cblb
1421622_a_at	3.56	0.00123	0.0066	9.48	0.58	Rapgef4
1442124_at	3.56	0.00123	0.0066	8.97	0.6	NA
1424359_at	3.55	0.00125	0.00667	10.09	0.6	Oplah
1430476_at	3.55	0.00125	0.00667	4.76	1.12	Srp54b
1426444_at	3.55	0.00125	0.00668	3.69	0.8	Rhbdd2
1420479_a_at	3.55	0.00126	0.00671	9.48	0.52	Nap1l1
1452844_at	3.55	0.00127	0.00676	5.1	0.79	Pou6f1
1440658_at	3.54	0.00127	0.00679	5.16	1.1	Ammeacr1l
1428299_at	3.54	0.00128	0.00681	7.29	0.79	Dyrk1a
1456251_x_at	3.54	0.00129	0.00683	9.01	0.61	Tspo
1418244_at	3.54	0.00129	0.00683	9.47	0.54	Nat5
1421917_at	3.54	0.00129	0.00684	8.6	0.69	Pdgfra
1426813_at	3.53	0.00131	0.00692	9.01	0.6	Ltv1
1451199_at	3.53	0.00132	0.00695	7.19	0.84	Qtrtd1
1417126_a_at	3.53	0.00132	0.00697	11.76	0.51	Rpl22l1
1424318_at	3.53	0.00133	0.00702	9.18	0.56	1110067D22Rik
1452626_a_at	3.53	0.00133	0.00702	8.69	0.65	1810014F10Rik
1423696_a_at	3.53	0.00134	0.00703	12.42	0.39	Psm6
1439097_at	3.53	0.00134	0.00703	4.06	0.93	D10Wsu52e
1417125_at	3.52	0.00134	0.00704	14.08	0.37	Ahcy
1438459_x_at	3.52	0.00135	0.00705	8.68	0.58	Sfpq
1437357_at	3.52	0.00135	0.00709	7.41	0.67	Ythdc2
1423666_s_at	3.52	0.00136	0.0071	8.58	0.6	Rpl5
1420889_at	3.52	0.00136	0.0071	6.63	0.85	Hccs
1442109_at	3.51	0.00138	0.00718	7.17	0.84	NA
1452628_at	3.51	0.00138	0.00721	7.35	0.78	Bag5
1419075_s_at	3.51	0.00139	0.00721	11.11	1.41	Saa2
X-PyruCarbMur/L09192_!	3.51	0.00139	0.00721	6.34	0.84	Pcx
1438420_at	3.51	0.0014	0.00728	10.04	0.57	Rbm39
1454418_at	3.51	0.00141	0.00731	2.9	0.57	5330421C15Rik
1440925_at	3.51	0.00141	0.00731	3.55	0.67	NA
1429351_at	3.5	0.00142	0.00735	9.04	0.59	Klhl24
1416849_at	3.5	0.00144	0.00743	12.24	0.45	Cisd1
1457712_at	3.5	0.00144	0.00744	5.47	0.97	AW549269
1449369_at	3.5	0.00144	0.00745	5.87	0.82	Tmprss2
1436322_a_at	3.5	0.00144	0.00745	8.15	0.66	2810001A02Rik
1437513_a_at	3.5	0.00145	0.00746	9.19	0.72	Serinc1
1439094_at	3.5	0.00145	0.00746	6.73	0.81	Cltc
1430038_at	3.5	0.00145	0.00747	7.69	0.68	Gphn
1440020_at	3.49	0.00145	0.00749	4.53	0.98	Rlf
1450007_at	3.49	0.00146	0.00749	10.37	0.6	1500003O03Rik
1439795_at	3.49	0.00146	0.00751	4.86	1.15	Gpr64
1455826_a_at	3.49	0.00147	0.00755	9.07	0.63	Bace1
1437049_at	3.49	0.00147	0.00755	4.29	0.78	NA
1456717_at	3.49	0.00147	0.00755	3.69	1.19	Tead1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1416488_at	3.49	0.00147	0.00756	9.49	0.55	Ccng2
1453840_at	3.49	0.00148	0.00758	5.58	1.18	Pabpc1
1456567_x_at	3.49	0.00148	0.00758	12.39	0.43	Grn
1459618_at	3.49	0.00148	0.00759	3.24	0.64	Trex1
1440841_at	3.49	0.00149	0.00761	4.61	0.81	Ywhae
1448422_at	3.48	0.00149	0.00764	11.42	0.56	Tmed4
1460614_at	3.48	0.0015	0.00764	8.4	0.67	Mier3
1443742_x_at	3.48	0.0015	0.00766	3.49	0.66	Ube2r2
1438890_at	3.48	0.00151	0.00768	4.98	0.86	Fbxl11
1448403_at	3.48	0.00151	0.0077	8.85	0.58	Lars
1437206_at	3.48	0.00152	0.00775	5.08	0.81	Setd5
1429396_at	3.48	0.00153	0.00778	3.56	1.13	Atg16l2
1425645_s_at	3.48	0.00153	0.00778	8.38	2.88	Cyp2b10
1429588_at	3.47	0.00154	0.00779	8.27	0.99	2810474O19Rik
1460053_at	3.47	0.00154	0.00779	4.44	0.82	Smyd4
1454905_at	3.47	0.00154	0.0078	8.94	0.67	Ibtk
1428832_at	3.47	0.00154	0.00781	7.99	0.69	1600002H07Rik
1435459_at	3.47	0.00155	0.00782	8.5	0.69	Fmo2
1450744_at	3.47	0.00156	0.00786	11.77	0.52	Eli2
1445697_at	3.47	0.00156	0.00788	3.14	0.52	Ddef2
1435372_a_at	3.47	0.00156	0.00788	9.59	0.55	Pa2g4
1457765_at	3.47	0.00156	0.0079	3.63	0.73	Psmd14
1437271_at	3.47	0.00157	0.00794	4.07	0.74	Clcf1
1438000_x_at	3.46	0.0016	0.00803	10.6	0.52	Zfp622
1434613_at	3.46	0.0016	0.00806	9.87	0.52	1810013L24Rik
1418603_at	3.46	0.00161	0.00806	8.55	0.66	Avpr1a
1427002_s_at	3.46	0.00161	0.00807	7.37	0.84	Arsg
1422904_at	3.46	0.00161	0.00809	6.67	1	Fmo2
1416409_at	3.45	0.00162	0.0081	13.22	0.54	Acox1
1424406_at	3.45	0.00162	0.00812	7.35	0.85	Bcl2l13
1417023_a_at	3.45	0.00163	0.00814	7.74	1.13	Fabp4
1455171_at	3.45	0.00164	0.00819	7.23	0.85	Suv420h1
1442535_at	3.45	0.00165	0.00821	3.41	0.63	Zfp609
1457788_at	3.45	0.00165	0.00824	4.58	1.04	Rassf1
1436145_at	3.44	0.00166	0.00827	4.66	0.79	Igf2bp3
1446693_at	3.44	0.00166	0.00827	2.89	0.51	NA
1455800_x_at	3.44	0.00166	0.00827	11.58	0.53	Samm50
1432944_at	3.44	0.00167	0.00829	4.41	0.85	2900046L07Rik
1452119_at	3.44	0.00167	0.00829	3.66	0.6	Rrp1b
1420138_at	3.44	0.00167	0.00829	5.59	0.89	Slc19a1
1419006_s_at	3.44	0.00167	0.0083	3.24	0.51	Peli2
1460021_at	3.44	0.00167	0.0083	4.97	0.82	EG626231
1423675_at	3.44	0.00168	0.00832	5.99	0.82	Usp1
1438991_x_at	3.44	0.00169	0.00836	11.29	0.49	Ppp2r1a
1418428_at	3.44	0.0017	0.00837	9.66	0.49	Kif5b
1447691_x_at	3.43	0.00172	0.00847	5.34	1.21	NA
1424141_at	3.43	0.00174	0.00858	10.46	0.47	Hectd1
1428869_at	3.42	0.00176	0.00863	5.38	0.99	Nolc1
1417353_x_at	3.42	0.00176	0.00864	9.38	0.56	Snrpa1
1425021_a_at	3.42	0.00176	0.00864	10.67	0.51	Pex16
1430585_at	3.42	0.00177	0.00866	5.04	0.87	5930436O19Rik
1415723_at	3.42	0.00177	0.00867	11.69	0.52	Eif5
1429749_at	3.42	0.00177	0.00869	7.67	0.71	9330180L21Rik

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1442920_at	3.42	0.00178	0.00869	3.03	0.82	Klf3
1451003_at	3.42	0.00178	0.00872	9.28	0.59	Map3k7ip2
1455240_x_at	3.42	0.0018	0.00876	9.91	0.7	LOC666185
1430388_a_at	3.41	0.0018	0.00877	7.42	0.73	Sulf2
1424609_a_at	3.41	0.00181	0.00879	10.86	0.63	LOC545174
1433767_at	3.41	0.00181	0.0088	8.09	0.64	1110018G07Rik
1459687_x_at	3.41	0.00182	0.00886	4.18	0.72	Cpsf6
1452397_at	3.41	0.00183	0.00889	5.5	1.04	2810474O19Rik
1445181_at	3.4	0.00186	0.00899	4.1	0.74	Eml5
1428332_at	3.4	0.00187	0.00904	3.38	0.62	Pik3ip1
1449734_s_at	3.4	0.00187	0.00904	5.46	0.87	Bbs4
1416014_at	3.4	0.00188	0.00905	9.57	0.51	Abce1
1423100_at	3.39	0.0019	0.00913	5.54	2.01	Fos
1459363_at	3.39	0.00191	0.00919	6.01	0.9	Atxn2
1460420_a_at	3.39	0.00191	0.00919	7.78	1.12	Egfr
1440365_at	3.39	0.00193	0.00922	4.92	1.11	Actb
1448158_at	3.39	0.00193	0.00922	9.65	0.56	Sdc1
1420618_at	3.39	0.00193	0.00922	11.67	0.67	Cpeb4
1429170_a_at	3.38	0.00195	0.00931	5.43	0.85	Mtf1
1453119_at	3.38	0.00196	0.00933	5.68	0.89	Otud1
1441556_at	3.38	0.00196	0.00934	4.95	0.91	LOC667106
1429594_at	3.38	0.00196	0.00936	3.55	0.78	Slc38a2
1429373_x_at	3.38	0.00197	0.00937	4.78	0.7	Crtc2
1434460_at	3.38	0.00197	0.00938	4.2	0.79	Bbs4
1424123_at	3.38	0.00197	0.00938	6.3	1.08	Flvcr2
1451752_at	3.38	0.00197	0.00938	2.86	0.54	Foxk1
1422257_s_at	3.38	0.00198	0.00938	7.94	2.8	Cyp2b10
1450264_a_at	3.38	0.00198	0.00938	7.11	0.79	Chka
1459657_s_at	3.38	0.00198	0.0094	9.33	0.55	LOC100039220
1438955_x_at	3.38	0.00199	0.00943	8.39	0.55	Ppif
1451334_at	3.38	0.00199	0.00943	6.95	0.76	1810009O10Rik
1438222_at	3.38	0.00199	0.00945	5.16	0.91	D2Ertd612e
1440903_at	3.37	0.00201	0.00951	4.61	0.87	Herc1
1456775_at	3.37	0.00202	0.00955	3.22	0.76	Ints8
1427638_at	3.37	0.00203	0.00956	4.4	0.96	Zbtb16
1456383_at	3.37	0.00204	0.00962	9.07	0.52	Rsl1d1
1460409_at	3.37	0.00205	0.00965	12.38	0.47	Cpt1a
1448148_at	3.36	0.00206	0.00968	11.43	0.51	Grn
1436337_at	3.36	0.00206	0.00968	11.25	0.52	4930420K17Rik
1424030_at	3.36	0.00208	0.00975	3.4	0.73	Grhl1
1441359_at	3.36	0.0021	0.00983	3.98	0.76	NA
1457056_at	3.36	0.0021	0.00985	4.13	0.7	Ftcd
1423462_at	3.36	0.00211	0.00985	11.3	0.51	Map3k7ip2
1418192_at	3.35	0.00212	0.0099	4.78	0.73	Mnt
1424883_s_at	3.35	0.00214	0.01	10.42	0.48	Sfrs7

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
--------------------	----------------	---------	---------	-------------------	-----------------	--------

Table S2a. Footnote

Gene lists were generated using the Cyber-T method, with only genes with a *q*-value < 0.01 presented.

¹ *Probe* represents the Affymetrix probe set identifier.

² *t* represents the t-statistic output from the Cyber-T method.

³ *Mean* represents the mean expression signal after normalization.

⁴ *FC* represents the log₂ fold change in normalized signals.

Table S2b. Genes downregulated in liver of *S6K^{-/-}* mice compared to wild type mice.

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1460705_at	-20.04	2.67E-19	3.20E-15	5.38	3.85	Rps6kb1
1454956_at	-14.73	1.52E-15	3.77E-12	4.79	3.07	Rps6kb1
1457306_at	-13.25	2.60E-14	3.89E-11	5.59	3.56	NA
1448506_at	-11.62	7.96E-13	6.81E-10	11.58	3.32	Serpina6
1418174_at	-11.03	2.96E-12	2.09E-09	6.24	3.48	Dbp
1456319_at	-10.89	4.06E-12	2.56E-09	5.81	3	EG665081
1417404_at	-10.19	2.03E-11	9.03E-09	7.82	2.47	Elovl6
1423078_a_at	-10.1	2.52E-11	1.04E-08	10.71	2.37	Sc4mol
1438211_s_at	-10.08	2.67E-11	1.07E-08	8.49	2.83	Dbp
1456812_at	-10	3.24E-11	1.23E-08	7.95	2.06	Abcd2
1434520_at	-9.57	9.00E-11	2.77E-08	8.77	3.08	Sc5d
1455383_at	-9.56	9.23E-11	2.77E-08	5.68	3.39	Gm1381
1448130_at	-9.46	1.20E-10	3.34E-08	9.73	1.87	Fdft1
1432282_a_at	-9.27	1.89E-10	5.04E-08	10.16	1.56	2010305C02Rik
1438322_x_at	-9.08	3.05E-10	7.32E-08	10.87	1.86	Fdft1
1429239_a_at	-9.05	3.32E-10	7.53E-08	7.84	2.17	Stard4
1437479_x_at	-8.97	4.03E-10	8.79E-08	6.97	3.09	Tbx3
1436162_at	-8.91	4.71E-10	9.90E-08	9.73	1.65	C730048C13Rik
1443698_at	-8.86	5.27E-10	1.07E-07	5.91	2.24	Xaf1
1415993_at	-8.76	6.78E-10	1.35E-07	7.8	2.63	Sqle
1423418_at	-8.72	7.63E-10	1.46E-07	9.47	2.69	Fdps
1420928_at	-8.68	8.39E-10	1.54E-07	10.42	1.34	St6gal1
1460256_at	-8.68	8.47E-10	1.54E-07	11.09	2.9	Car3
1428670_at	-8.66	8.93E-10	1.57E-07	4.46	2.16	2610305J24Rik
1451122_at	-8.57	1.10E-09	1.90E-07	9.98	2.37	Idi1
1427410_at	-8.56	1.15E-09	1.90E-07	8.95	1.62	Dleu2
1425387_at	-8.55	1.16E-09	1.90E-07	11.71	1.55	Akr1c20
1416840_at	-8.55	1.18E-09	1.90E-07	7.74	2.74	Mid1ip1
1429240_at	-8.55	1.19E-09	1.90E-07	8.26	2.2	Stard4
1459948_at	-8.53	1.25E-09	1.95E-07	6.12	3.36	Ghr
1434859_at	-8.51	1.31E-09	2.00E-07	7.23	1.79	Umps
1449434_at	-8.42	1.64E-09	2.46E-07	13.47	2.12	Car3
1433954_at	-8.41	1.69E-09	2.48E-07	7.03	1.83	4632419I22Rik
1416258_at	-8.37	1.87E-09	2.71E-07	3.96	2.16	Tk1
1441102_at	-8.35	1.98E-09	2.79E-07	7.3	2.5	Prlr
1418923_at	-8.33	2.05E-09	2.86E-07	8.42	1.81	Slc17a3
1418979_at	-8.32	2.13E-09	2.94E-07	11.96	1.39	Akr1c14
1417667_a_at	-8.27	2.44E-09	3.30E-07	10.08	1.39	Pter
1451418_a_at	-8.27	2.45E-09	3.30E-07	4.65	2.55	Spsb4
1423797_at	-8.26	2.48E-09	3.31E-07	4.65	2.98	Aacs
1455011_at	-8.25	2.54E-09	3.31E-07	8.68	1.87	Stard4
1443147_at	-8.16	3.23E-09	4.07E-07	11.33	1.51	Acot3
1448556_at	-8.15	3.29E-09	4.08E-07	8.69	2.09	Prlr
1422533_at	-8.15	3.30E-09	4.08E-07	8.47	2.25	Cyp51
1449409_at	-8.12	3.55E-09	4.35E-07	6.02	3.17	Sult1c2
1419573_a_at	-8.11	3.69E-09	4.47E-07	8.19	2.4	Lgals1
1427008_at	-8.1	3.81E-09	4.57E-07	4.55	2.47	Rnf43
1430785_at	-8.07	4.11E-09	4.88E-07	6.18	2.78	Rdh20
1451457_at	-8.06	4.20E-09	4.94E-07	11.94	1.41	Sc5d
1439114_at	-7.99	5.12E-09	5.83E-07	4.18	1.64	Ddx60
1456074_at	-7.98	5.20E-09	5.83E-07	6.47	2.61	Rdh20

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1453042_at	-7.95	5.60E-09	6.21E-07	7.5	2.07	Anks4b
1438743_at	-7.93	5.89E-09	6.37E-07	10.14	3.42	Cyp7a1
1420841_at	-7.92	6.04E-09	6.47E-07	7.18	1.69	Ptprf
1425343_at	-7.88	6.75E-09	6.97E-07	4.83	1.84	Hdhd3
1455439_a_at	-7.86	7.10E-09	7.12E-07	9.13	2.03	Lgals1
1442633_at	-7.86	7.11E-09	7.12E-07	3.91	1.9	NA
1424531_a_at	-7.86	7.19E-09	7.12E-07	7.71	1.79	Tcea3
1418763_at	-7.82	7.93E-09	7.73E-07	10.37	1.69	Nit2
1420842_at	-7.81	8.28E-09	8.00E-07	9.59	1.44	Ptprf
1422558_at	-7.79	8.72E-09	8.37E-07	9.55	1.82	Gamt
1419525_at	-7.78	8.81E-09	8.38E-07	7.04	2.39	Car5a
1434442_at	-7.75	9.56E-09	9.02E-07	9.59	1.24	Stbd1
1429272_a_at	-7.72	1.04E-08	9.76E-07	8.83	2.37	Apol7a
1425746_at	-7.57	1.55E-08	1.41E-06	7.16	2.24	D730039F16Rik
1441926_x_at	-7.54	1.68E-08	1.48E-06	4.81	2.12	Tmie
1417085_at	-7.51	1.83E-08	1.59E-06	13.12	1.43	Akr1c6
1418013_at	-7.51	1.83E-08	1.59E-06	9.61	1.64	Cml1
1451666_at	-7.5	1.90E-08	1.62E-06	9.92	1.28	Acly
1453080_at	-7.48	1.99E-08	1.68E-06	10.39	1.96	Apol7a
1425742_a_at	-7.43	2.27E-08	1.87E-06	9.7	1.5	Tsc22d1
1417403_at	-7.43	2.30E-08	1.87E-06	7.45	1.74	Elov16
1433443_a_at	-7.41	2.41E-08	1.92E-06	11.99	1.5	Hmgcs1
1447927_at	-7.38	2.64E-08	2.03E-06	6.93	3.82	Mpa2l
1451419_at	-7.37	2.65E-08	2.03E-06	3.65	1.64	Spsb4
1451635_at	-7.33	3.03E-08	2.23E-06	8.35	1.78	AB056442
1419043_a_at	-7.27	3.57E-08	2.50E-06	12.7	1.07	Iigp1
1437397_at	-7.23	3.94E-08	2.70E-06	7.97	1.98	Prlr
1418862_at	-7.21	4.13E-08	2.80E-06	10.13	1.42	Echdc3
1431916_at	-7.2	4.23E-08	2.85E-06	5.45	2.59	Hsd3b3
1428849_at	-7.19	4.44E-08	2.98E-06	3.48	1.21	Rps6kb1
1448698_at	-7.16	4.73E-08	3.15E-06	9.55	1.36	Ccnd1
1419318_at	-7.14	4.97E-08	3.26E-06	10.85	1.32	Saa4
1430401_at	-7.14	5.01E-08	3.26E-06	3.94	1.57	3110045C21Rik
1457403_at	-7.14	5.03E-08	3.26E-06	8	1.48	9130409I23Rik
1418787_at	-7.13	5.15E-08	3.32E-06	13	1.02	Mbl2
1425222_x_at	-7.11	5.48E-08	3.48E-06	8.79	1.6	AB056442
1449817_at	-7.11	5.51E-08	3.48E-06	10.74	1.23	Abcb11
1428859_at	-7.09	5.72E-08	3.58E-06	6.99	2.14	Paox
1426276_at	-7.08	5.88E-08	3.65E-06	9.15	1.42	Ifih1
1453578_at	-7.06	6.33E-08	3.90E-06	6.16	1.96	Pter
1451655_at	-7.06	6.35E-08	3.90E-06	3.72	1.46	Slfn8
1426584_a_at	-7.05	6.46E-08	3.95E-06	13.25	0.83	Sord
1428113_at	-7.03	6.80E-08	4.10E-06	7.34	1.66	Tmtc4
1428229_at	-7.01	7.30E-08	4.38E-06	10.27	1.24	Prkd3
1427474_s_at	-7	7.39E-08	4.39E-06	9.47	2.26	Gstm3
1438711_at	-6.99	7.52E-08	4.41E-06	8.26	1.48	Pklr
1448539_a_at	-6.99	7.53E-08	4.41E-06	8.57	1.56	Acy3
1433446_at	-6.98	7.74E-08	4.51E-06	10.2	1.59	Hmgcs1
1448632_at	-6.98	7.79E-08	4.51E-06	8.21	1.59	Psmb10
1419751_x_at	-6.98	7.90E-08	4.51E-06	8.84	1.53	AB056442
1437119_at	-6.97	8.04E-08	4.53E-06	8.83	1.7	Ern1
1423804_a_at	-6.95	8.49E-08	4.71E-06	10.39	1.98	Idi1
1439831_at	-6.92	9.14E-08	5.01E-06	11.24	1.33	EG240327

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1437654_at	-6.9	9.87E-08	5.33E-06	7.03	1.62	3110001K24Rik
1425853_s_at	-6.89	9.96E-08	5.35E-06	10.83	1.58	Prlr
1417766_at	-6.89	9.99E-08	5.35E-06	10.26	1.1	Cyb5b
1427231_at	-6.86	1.08E-07	5.74E-06	7.77	2	Robo1
1422826_at	-6.85	1.11E-07	5.88E-06	8.89	1.53	Igfals
1418858_at	-6.84	1.14E-07	6.00E-06	10.07	1.45	Aox3
1448663_s_at	-6.84	1.15E-07	6.00E-06	3.91	2.48	Mvd
1418028_at	-6.83	1.19E-07	6.17E-06	7.04	3.41	Dct
1427411_s_at	-6.83	1.20E-07	6.18E-06	8.12	1.34	Dleu2
1422100_at	-6.81	1.25E-07	6.37E-06	8.18	2.8	Cyp7a1
1424758_s_at	-6.81	1.27E-07	6.38E-06	11.55	1.02	Serpina10
1418052_at	-6.8	1.30E-07	6.51E-06	3.91	2.01	Mvk
1438676_at	-6.78	1.38E-07	6.80E-06	7.63	2.79	Mpa2l
1425829_a_at	-6.74	1.51E-07	7.40E-06	7.65	1.59	Steap4
1438596_at	-6.74	1.53E-07	7.41E-06	6.63	2.97	Hectd2
1454758_a_at	-6.71	1.65E-07	7.91E-06	9.37	1.55	Tsc22d1
1422631_at	-6.7	1.69E-07	8.05E-06	9.94	1.27	Ahr
1459141_at	-6.7	1.69E-07	8.05E-06	7.69	2.44	1810008I18Rik
1451588_at	-6.69	1.75E-07	8.26E-06	4.74	3.58	1810022C23Rik
1418654_at	-6.69	1.76E-07	8.26E-06	9.75	4.18	Hao3
1424210_at	-6.68	1.81E-07	8.43E-06	8.57	1.33	Erlin1
1425326_at	-6.67	1.88E-07	8.71E-06	7.28	1.71	Acly
1420843_at	-6.66	1.93E-07	8.82E-06	10.02	1.17	Ptprf
1416362_a_at	-6.65	1.95E-07	8.86E-06	9.28	1.1	Fkbp4
1428230_at	-6.65	1.97E-07	8.93E-06	9.79	1.31	Prkd3
1418162_at	-6.64	2.00E-07	8.94E-06	4.48	1.64	Tlr4
1456941_at	-6.64	2.00E-07	8.94E-06	4.56	1.57	Tert
1455065_x_at	-6.64	2.01E-07	8.94E-06	8.89	1.62	EG667410
1429065_at	-6.62	2.12E-07	9.30E-06	3.65	1.5	1200009F10Rik
1448844_at	-6.62	2.15E-07	9.37E-06	8.55	1.28	Cyb5b
1424857_a_at	-6.61	2.18E-07	9.42E-06	7.33	1.87	NA
1417420_at	-6.6	2.24E-07	9.61E-06	9.81	1.09	Ccnd1
1417962_s_at	-6.58	2.36E-07	9.94E-06	12.56	1.48	Ghr
1451777_at	-6.58	2.37E-07	9.96E-06	5.78	2.03	Ddx60
1449983_a_at	-6.58	2.39E-07	9.99E-06	9.52	1.05	Nqo2
1448300_at	-6.56	2.51E-07	1.04E-05	7.98	1.5	Mgst3
1453206_at	-6.56	2.55E-07	1.05E-05	8.5	1.22	Acad9
1448147_at	-6.55	2.61E-07	1.07E-05	5.36	2.07	Tnfrsf19
1435694_at	-6.52	2.81E-07	1.14E-05	5.16	1.9	Arhgap26
1426059_at	-6.52	2.81E-07	1.14E-05	10.67	1.01	Gckr
1423846_x_at	-6.52	2.85E-07	1.15E-05	11.3	1.04	Tuba1b
1434715_at	-6.51	2.89E-07	1.16E-05	4.24	1.46	1600014C10Rik
1460197_a_at	-6.51	2.92E-07	1.16E-05	9.65	1.15	Steap4
1452962_at	-6.49	3.08E-07	1.21E-05	4.53	1.63	Tmem25
1436339_at	-6.48	3.17E-07	1.23E-05	9.61	1.23	1810058I24Rik
1453421_at	-6.47	3.25E-07	1.26E-05	4.44	1.6	Srr
1451871_a_at	-6.47	3.28E-07	1.27E-05	8.32	2.01	Ghr
1451229_at	-6.46	3.36E-07	1.29E-05	7.07	1.68	Hdac11
1419045_at	-6.45	3.45E-07	1.32E-05	8.11	1.3	Slc25a23
1425177_at	-6.43	3.61E-07	1.37E-05	10.18	1.13	Shmt1
1421262_at	-6.42	3.78E-07	1.41E-05	5.74	1.57	Lipg
1421258_a_at	-6.41	3.81E-07	1.42E-05	6.58	1.56	Pklr
1435630_s_at	-6.41	3.85E-07	1.43E-05	9.9	1.17	Acat2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1420384_at	-6.4	3.99E-07	1.47E-05	4.86	1.57	Col4a3bp
1444176_at	-6.38	4.21E-07	1.54E-05	6.47	2.18	Atp6v0d2
1436050_x_at	-6.37	4.34E-07	1.59E-05	7.67	1.48	Hes6
1442129_at	-6.36	4.46E-07	1.62E-05	5.47	1.77	1810058I24Rik
1455590_at	-6.35	4.51E-07	1.64E-05	9.06	1.24	Nqo2
1419319_at	-6.34	4.63E-07	1.68E-05	8.28	1.72	Saa4
1435665_at	-6.34	4.68E-07	1.69E-05	8.03	1.64	AI451617
1428447_at	-6.33	4.87E-07	1.75E-05	5.53	2.07	Tmem14a
1433884_at	-6.32	4.99E-07	1.78E-05	5.27	2.07	Syt1
1425515_at	-6.32	5.02E-07	1.78E-05	4.78	1.55	Pik3r1
1438258_at	-6.29	5.36E-07	1.87E-05	3.68	1.48	Vldlr
1427422_at	-6.26	5.79E-07	1.99E-05	6.68	2.46	EG624219
1419906_at	-6.26	5.80E-07	1.99E-05	6.09	1.67	Hpgd
1424877_a_at	-6.26	5.88E-07	2.01E-05	11.2	0.99	Alad
1422061_at	-6.26	5.92E-07	2.02E-05	6.47	1.97	Akr1c20
1424709_at	-6.26	5.95E-07	2.02E-05	4.66	1.53	Sc5d
1437662_at	-6.25	6.03E-07	2.04E-05	9.68	1.13	Acsm5
1453588_at	-6.25	6.11E-07	2.05E-05	6.2	3.69	Car3
1427377_x_at	-6.24	6.13E-07	2.05E-05	6.95	2.48	Hsd3b3
1458832_at	-6.24	6.19E-07	2.07E-05	5.33	2.49	Ghr
1456081_a_at	-6.23	6.37E-07	2.12E-05	4.45	1.95	Aacs
1419748_at	-6.22	6.66E-07	2.19E-05	9.24	1.06	Abcd2
1426936_at	-6.21	6.69E-07	2.19E-05	6.15	2.85	LOC215866
1416222_at	-6.2	7.00E-07	2.28E-05	8.83	2.11	Nsdhl
1436943_at	-6.19	7.16E-07	2.31E-05	4.73	1.65	Cyb5d2
1417303_at	-6.19	7.23E-07	2.33E-05	4.34	2.17	Mvd
1460324_at	-6.18	7.45E-07	2.39E-05	2.96	1.47	Dnmt3a
1439459_x_at	-6.17	7.51E-07	2.40E-05	10.78	1.09	Acly
1440444_at	-6.17	7.68E-07	2.44E-05	3.66	1.58	Fads1
1429298_at	-6.16	7.68E-07	2.44E-05	9.75	1.04	Ddah1
1428052_a_at	-6.16	7.76E-07	2.46E-05	3.19	1.26	Zmym1
1430814_at	-6.15	8.08E-07	2.54E-05	4.15	1.38	Cyp2d40
1453692_at	-6.13	8.40E-07	2.62E-05	5.75	1.84	4930581F22Rik
1448649_at	-6.12	8.67E-07	2.70E-05	11.71	0.82	Enpep
1433445_x_at	-6.11	8.89E-07	2.74E-05	12.03	1.19	Hmgcs1
1429052_at	-6.11	8.92E-07	2.74E-05	10.19	0.94	Ptprd
1421379_at	-6.11	8.92E-07	2.74E-05	4.79	1.58	Zfp354b
1418580_at	-6.1	9.27E-07	2.83E-05	8.75	1.62	Rtp4
1425127_at	-6.1	9.31E-07	2.83E-05	3.49	1.83	Hsd3b2
1454971_x_at	-6.08	9.68E-07	2.91E-05	10.56	1.37	Tsc22d1
1422230_s_at	-6.08	9.86E-07	2.96E-05	13.55	0.93	Cyp2a5
1419905_s_at	-6.07	1.01E-06	3.02E-05	11.63	1.09	Hpgd
1438654_x_at	-6.07	1.01E-06	3.02E-05	7.29	1.77	Mmd2
1451239_a_at	-6.07	1.02E-06	3.03E-05	9.72	0.95	Slc26a1
1443858_at	-6.06	1.04E-06	3.07E-05	6.9	1.83	NA
1424303_at	-6.05	1.05E-06	3.10E-05	9.51	1.25	Depdc7
1452540_a_at	-6.05	1.06E-06	3.10E-05	12.98	0.74	Hist1h2bp
1455541_a_at	-6.05	1.06E-06	3.10E-05	3.06	0.99	4430402I18Rik
1433444_at	-6.05	1.07E-06	3.11E-05	12.06	1.13	Hmgcs1
1436590_at	-6.04	1.09E-06	3.13E-05	10.75	1.47	Ppp1r3b
1417828_at	-6.04	1.09E-06	3.13E-05	9.38	1.32	Aqp8
1435097_at	-6.03	1.13E-06	3.23E-05	4.27	1.76	Mmab
1425195_a_at	-6.03	1.14E-06	3.25E-05	10.84	1.36	Acat3

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1416543_at	-6.02	1.17E-06	3.33E-05	9.41	1.97	Nfe2l2
1426883_at	-6.01	1.21E-06	3.41E-05	7.17	1.34	Slc25a45
1436644_x_at	-6	1.23E-06	3.46E-05	6.38	2.12	Tmem25
1418601_at	-5.99	1.25E-06	3.50E-05	12.97	1.17	Aldh1a7
1451799_at	-5.96	1.38E-06	3.82E-05	4.76	2.45	Ccdc25
1438682_at	-5.96	1.39E-06	3.84E-05	8.01	1.41	Pik3r1
1456424_s_at	-5.95	1.40E-06	3.84E-05	11.6	0.9	Pltp
1445815_at	-5.95	1.40E-06	3.85E-05	4.27	1.72	Fzd8
1454862_at	-5.95	1.41E-06	3.87E-05	9.9	1.1	Phldb2
1416755_at	-5.95	1.43E-06	3.91E-05	8.66	1.13	Dnajb1
1424242_at	-5.94	1.47E-06	4.00E-05	11.45	0.91	Bphl
1424953_at	-5.94	1.47E-06	4.00E-05	6.79	1.37	BC021614
1428267_at	-5.93	1.48E-06	4.02E-05	7.8	1.09	Dhx40
1435405_at	-5.92	1.52E-06	4.10E-05	4.78	1.73	Setd4
1425303_at	-5.9	1.62E-06	4.34E-05	4.61	2.35	Gck
1451564_at	-5.9	1.62E-06	4.34E-05	7.23	1.63	Parp14
1448657_a_at	-5.87	1.75E-06	4.63E-05	8.48	1.14	Dnajb10
1426879_at	-5.86	1.81E-06	4.73E-05	6.41	1.5	1190005F20Rik
1450883_a_at	-5.85	1.88E-06	4.89E-05	11.73	0.87	Cd36
1434372_at	-5.85	1.89E-06	4.89E-05	11.74	1.11	AW112010
1451297_at	-5.84	1.91E-06	4.94E-05	11.6	0.91	Gulo
1421550_a_at	-5.84	1.95E-06	5.02E-05	3.98	1.38	Trim34
1417707_at	-5.83	1.97E-06	5.07E-05	9.24	1.29	N4bp2l1
1422070_at	-5.83	1.99E-06	5.11E-05	10.69	0.84	Adh4
1419700_a_at	-5.83	2.00E-06	5.12E-05	5.25	2.78	Prom1
1424226_at	-5.82	2.03E-06	5.19E-05	7.25	1.35	9030617003Rik
1418680_at	-5.81	2.09E-06	5.31E-05	12.37	0.9	Serpind1
1438033_at	-5.81	2.10E-06	5.33E-05	5.78	1.47	Tef
1428793_at	-5.81	2.11E-06	5.35E-05	4.39	1.35	Slc36a1
1454803_a_at	-5.8	2.14E-06	5.41E-05	3.75	1.11	Hdac11
1449565_at	-5.8	2.18E-06	5.50E-05	6.92	2.3	Cyp2g1
1456890_at	-5.79	2.23E-06	5.60E-05	5.4	1.56	Ddx58
1431701_a_at	-5.79	2.24E-06	5.61E-05	9.21	1.09	Pdzk1
1437453_s_at	-5.78	2.29E-06	5.70E-05	6.38	1.92	Pcsk9
1419146_a_at	-5.78	2.29E-06	5.70E-05	3.83	2.35	Gck
1460173_at	-5.78	2.29E-06	5.70E-05	9.29	1.14	Lasp1
1443964_at	-5.77	2.35E-06	5.83E-05	4.35	1.23	Tmie
1451895_a_at	-5.77	2.39E-06	5.92E-05	10.63	1.01	Dhcr24
1425860_x_at	-5.76	2.45E-06	6.04E-05	3.43	1.08	Cklf
1419173_at	-5.75	2.53E-06	6.18E-05	6.98	1.45	Acy1
1460044_at	-5.74	2.60E-06	6.34E-05	9.22	1.21	Onecut2
1437234_x_at	-5.73	2.62E-06	6.37E-05	3.72	1.12	Prmt2
1449492_a_at	-5.72	2.70E-06	6.54E-05	10.94	1.16	Lect2
1428979_at	-5.72	2.73E-06	6.59E-05	3.38	0.97	Mtf1
1424319_at	-5.72	2.75E-06	6.61E-05	4.74	1.47	Oraov1
1436643_x_at	-5.72	2.76E-06	6.61E-05	12.29	1.72	Hamp2
1420339_at	-5.72	2.76E-06	6.61E-05	5.23	1.37	Memo1
1417419_at	-5.7	2.87E-06	6.85E-05	8.2	1.16	Ccnd1
1438115_a_at	-5.69	2.94E-06	6.98E-05	11.69	0.77	Slc9a3r1
1456409_at	-5.69	2.95E-06	6.98E-05	2.94	1.06	Klhdc7a
1453304_s_at	-5.66	3.23E-06	7.56E-05	12.36	1.13	Ly6e
1428393_at	-5.66	3.25E-06	7.59E-05	11.59	0.91	Nrn1
1420827_a_at	-5.64	3.44E-06	7.95E-05	9.35	0.92	Ccng1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1423571_at	-5.63	3.56E-06	8.20E-05	7.94	1.3	Edg1
1418835_at	-5.62	3.59E-06	8.26E-05	8.6	1.46	Phlda1
1418737_at	-5.62	3.68E-06	8.42E-05	8.26	1.37	Nudt2
1417783_at	-5.61	3.71E-06	8.47E-05	8.15	1.02	Als2
1427473_at	-5.61	3.72E-06	8.47E-05	4.16	1.97	Gstm3
1430688_s_at	-5.61	3.75E-06	8.49E-05	6.78	1.75	D730039F16Rik
1448163_at	-5.6	3.82E-06	8.62E-05	6.31	1.52	Gnpda1
1439475_at	-5.6	3.84E-06	8.66E-05	3.78	1.17	Zfp429
1434962_x_at	-5.6	3.86E-06	8.67E-05	6.77	1.12	Ccl27
1439251_at	-5.6	3.87E-06	8.67E-05	4.34	1.19	LOC100042616
1455400_at	-5.59	4.00E-06	8.87E-05	9.9	0.97	Ddah1
1423489_at	-5.58	4.05E-06	8.95E-05	12.87	0.73	Mmd
1435417_at	-5.58	4.06E-06	8.95E-05	7.25	1.26	AI464131
1452021_a_at	-5.56	4.25E-06	9.31E-05	5.98	1.62	Hes6
1444980_at	-5.55	4.38E-06	9.47E-05	8.33	1.15	Onecut2
1440226_at	-5.55	4.38E-06	9.47E-05	4.98	1.64	Zfp760
1452009_at	-5.55	4.39E-06	9.47E-05	7.63	1.37	1810054D07Rik
1441548_at	-5.54	4.56E-06	9.77E-05	3.05	0.84	Frm4b
1417298_at	-5.53	4.66E-06	9.94E-05	11.11	0.85	Ebpl
1417172_at	-5.53	4.72E-06	0.0001	4.64	1.33	Ube2l6
1419042_at	-5.52	4.85E-06	0.0001	12.41	0.9	Iigp1
1422183_a_at	-5.52	4.88E-06	0.0001	3.94	1.52	Adra1b
1456377_x_at	-5.51	4.97E-06	0.0001	9.32	1.32	LOC632329
1454995_at	-5.49	5.27E-06	0.00011	9.72	0.89	Ddah1
1428828_at	-5.49	5.30E-06	0.00011	6.32	1.23	Rpain
1430375_a_at	-5.49	5.31E-06	0.00011	5.84	1.38	Ccl27
1424530_at	-5.48	5.35E-06	0.00011	11.41	0.8	Sec14l2
1431721_a_at	-5.48	5.36E-06	0.00011	9.37	1.17	Proz
1449365_at	-5.46	5.75E-06	0.00012	5.71	1.63	Edg8
1419074_at	-5.45	5.96E-06	0.00012	10.17	1.12	Chac2
1435628_x_at	-5.44	6.00E-06	0.00012	5.72	1.89	BC005512
1426092_a_at	-5.44	6.06E-06	0.00012	3.42	0.91	Trim34
1448277_at	-5.44	6.10E-06	0.00012	5.57	1.48	Pold2
1420927_at	-5.44	6.13E-06	0.00012	4.93	1.48	St6gal1
1436530_at	-5.44	6.17E-06	0.00012	9.4	1.51	OTTMUSG00000000971
1443866_at	-5.43	6.26E-06	0.00013	5.01	1.63	Lrtm1
1420641_a_at	-5.42	6.39E-06	0.00013	10.72	0.94	Sqrdl
1439858_at	-5.42	6.46E-06	0.00013	3.67	1.04	NA
1427369_at	-5.42	6.51E-06	0.00013	8.58	1.26	Nlrp6
1455698_at	-5.41	6.69E-06	0.00013	7.34	1.12	Tloc1
1426440_at	-5.4	6.85E-06	0.00013	9.45	0.84	Dhrs7
1456264_at	-5.39	6.93E-06	0.00014	4.22	1.35	Commd7
1438037_at	-5.39	7.00E-06	0.00014	6.93	1.63	Herc5
1451260_at	-5.39	7.00E-06	0.00014	8.47	1.26	Aldh1b1
1450783_at	-5.38	7.14E-06	0.00014	6.41	2.47	Ifit1
1421382_at	-5.38	7.15E-06	0.00014	10.55	1.47	Prlr
1442338_at	-5.38	7.21E-06	0.00014	6.63	1.54	NA
1436103_at	-5.38	7.24E-06	0.00014	3.88	1.04	Rab3ip
1434798_at	-5.38	7.28E-06	0.00014	7.05	2.02	Atp6v0d2
1428700_at	-5.38	7.29E-06	0.00014	3.42	1.31	P2ry13
1450715_at	-5.38	7.32E-06	0.00014	11.31	1.15	Cyp1a2
1429146_at	-5.37	7.51E-06	0.00014	8.1	1.25	6620401M08Rik
1422685_at	-5.37	7.51E-06	0.00014	8	1.19	Exoc4

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1424534_at	-5.36	7.56E-06	0.00014	5.4	1.69	Mmd2
1451731_at	-5.36	7.69E-06	0.00014	9.41	1	Abca3
1417532_at	-5.36	7.71E-06	0.00015	9.74	0.8	Cyp2j5
1432492_a_at	-5.34	8.10E-06	0.00015	10.89	0.87	Haoa
1422833_at	-5.34	8.11E-06	0.00015	7.17	1.45	Foxa2
1427480_at	-5.34	8.16E-06	0.00015	11.61	0.71	Leap2
1424033_at	-5.32	8.53E-06	0.00016	8.31	1.37	Sfrs7
1417626_at	-5.32	8.61E-06	0.00016	6.53	1.17	Pde4dip
1434036_at	-5.31	8.74E-06	0.00016	10.63	0.83	Mtss1
1452583_s_at	-5.31	8.84E-06	0.00016	10.63	0.71	Galm
1426959_at	-5.3	8.96E-06	0.00016	9.28	0.92	Bdh1
1425156_at	-5.3	9.01E-06	0.00017	5.61	1.94	Gbp6
1435101_at	-5.3	9.04E-06	0.00017	7.82	1.18	Derb2
1434380_at	-5.29	9.25E-06	0.00017	8.58	1.51	Gbp6
1431089_at	-5.29	9.44E-06	0.00017	3.77	1.07	Cpsf2
1418129_at	-5.27	9.79E-06	0.00018	8.91	1.04	Dhcr24
1426690_a_at	-5.27	9.85E-06	0.00018	8.22	1.59	Srebf1
1449164_at	-5.27	1.00E-05	0.00018	5.56	2.13	Cd68
1453196_a_at	-5.27	1.00E-05	0.00018	4.56	1.94	Oasl2
1455405_at	-5.26	1.01E-05	0.00018	6.22	1.57	Pstpip2
1429947_a_at	-5.26	1.01E-05	0.00018	5.12	1.5	Zbp1
1424171_a_at	-5.26	1.02E-05	0.00018	11.77	0.75	Hagh
1454745_at	-5.26	1.03E-05	0.00018	10.07	0.86	Arhgap29
1452625_at	-5.26	1.03E-05	0.00018	6.95	1.21	Kctd2
1423437_at	-5.25	1.04E-05	0.00018	10.6	0.89	Gsta3
1450034_at	-5.25	1.05E-05	0.00018	7.99	1.74	Stat1
1448594_at	-5.25	1.05E-05	0.00018	3.35	0.89	Wisp1
1450646_at	-5.25	1.06E-05	0.00019	9.66	1.4	Cyp51
1442612_at	-5.24	1.07E-05	0.00019	5.58	1.88	C730036E19Rik
1428603_at	-5.24	1.07E-05	0.00019	9.45	0.87	LOC100036521
1460232_s_at	-5.24	1.09E-05	0.00019	6.68	1.83	Hsd3b6
1435357_at	-5.24	1.09E-05	0.00019	8.82	1.12	D4Wsu53e
1430584_s_at	-5.24	1.09E-05	0.00019	6.26	3.97	Car3
1422433_s_at	-5.23	1.10E-05	0.00019	12.43	0.71	Idh1
1432330_at	-5.23	1.12E-05	0.00019	5.01	1.41	Cfhr3
1437704_at	-5.23	1.12E-05	0.00019	3.65	1.15	2900024O10Rik
1425837_a_at	-5.22	1.14E-05	0.00019	10.66	1.85	Ccrn4l
1431591_s_at	-5.21	1.16E-05	0.0002	5.88	1.76	LOC677168
1422479_at	-5.21	1.18E-05	0.0002	9.58	1.06	Acss2
1418492_at	-5.21	1.18E-05	0.0002	5.07	1.52	Grem2
1455324_at	-5.2	1.21E-05	0.0002	9.93	1.37	Plcx2
1445062_at	-5.2	1.21E-05	0.0002	3.71	1.21	Elovl6
1418329_at	-5.2	1.22E-05	0.0002	6.35	1.25	Pgpep1
1418668_at	-5.19	1.26E-05	0.00021	10.96	0.97	Acsm1
1426221_at	-5.18	1.27E-05	0.00021	8.85	0.95	Loh11cr2a
1449267_at	-5.18	1.29E-05	0.00022	5.38	1.19	Chid1
1435538_at	-5.18	1.29E-05	0.00022	7.93	0.99	0610030E20Rik
1423680_at	-5.17	1.30E-05	0.00022	12	0.96	Fads1
1437624_x_at	-5.17	1.34E-05	0.00022	8.4	1	Nudt16l1
1442051_at	-5.16	1.35E-05	0.00022	5.95	1.79	Hist2h3c1
1417809_at	-5.16	1.36E-05	0.00022	8.79	0.84	Slc22a18
1434139_at	-5.16	1.38E-05	0.00023	6.58	1.71	Parp11
1454671_at	-5.15	1.42E-05	0.00023	10.19	1.21	Insig1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1422604_at	-5.14	1.42E-05	0.00023	13.75	0.58	Uox
1424835_at	-5.14	1.44E-05	0.00023	8.61	0.95	Gstm4
1426726_at	-5.14	1.45E-05	0.00023	4.82	1.74	Ppp1r10
1434331_at	-5.14	1.45E-05	0.00023	6.46	1.15	Eif2c1
1418445_at	-5.14	1.45E-05	0.00024	8.8	1.13	Slc16a2
1419476_at	-5.13	1.46E-05	0.00024	6.35	1.63	Adamdec1
1421221_at	-5.13	1.48E-05	0.00024	6.68	1.18	Bcdo2
1455336_at	-5.13	1.49E-05	0.00024	4.96	1.47	Thap2
1448227_at	-5.12	1.51E-05	0.00024	7.67	1.17	Grb7
1453739_at	-5.12	1.53E-05	0.00024	6.2	1.43	Tmem126b
1424016_at	-5.11	1.57E-05	0.00025	6.68	1.2	2310007F21Rik
1420403_at	-5.11	1.58E-05	0.00025	3.08	0.98	Atp2b2
1443821_at	-5.11	1.59E-05	0.00025	4.07	1.29	Lect2
1416318_at	-5.11	1.59E-05	0.00025	7.38	1.94	Serpinb1a
1423547_at	-5.1	1.59E-05	0.00025	10.65	1.75	Lyz2
1444143_at	-5.1	1.61E-05	0.00025	3.4	1.25	N4bp2l1
1430893_at	-5.1	1.62E-05	0.00025	8.43	2.83	2610016E04Rik
1434283_at	-5.09	1.67E-05	0.00026	8.6	1.18	Arid5b
1440866_at	-5.08	1.69E-05	0.00026	4.83	1.23	Eif2ak2
1437261_at	-5.08	1.70E-05	0.00026	4.91	1.38	2900024O10Rik
1439035_at	-5.08	1.70E-05	0.00026	5.09	1.28	Zfp322a
1419552_at	-5.08	1.70E-05	0.00026	9.75	0.85	Echdc1
1436996_x_at	-5.08	1.72E-05	0.00027	12.24	1.49	Lyz1
1448538_a_at	-5.08	1.73E-05	0.00027	8.89	2	D4Wsu53e
1424172_at	-5.07	1.75E-05	0.00027	11.47	0.78	Hagh
1452318_a_at	-5.07	1.75E-05	0.00027	9.1	1.25	Hspa1b
1418760_at	-5.07	1.78E-05	0.00027	8.78	1.27	Rdh11
1453380_a_at	-5.06	1.79E-05	0.00028	3.67	1.05	Xrcc6bp1
1440993_at	-5.06	1.80E-05	0.00028	10.22	1.06	AW111846
1425178_s_at	-5.06	1.81E-05	0.00028	10.75	0.84	Shmt1
1455334_at	-5.05	1.88E-05	0.00028	4.67	1.6	D330038O06Rik
1418579_at	-5.05	1.89E-05	0.00029	7.26	1.07	Cetn2
1450982_at	-5.04	1.91E-05	0.00029	8.64	0.88	Slc9a3r1
1436033_at	-5.04	1.94E-05	0.00029	9.52	0.76	BC031353
1459740_s_at	-5.04	1.94E-05	0.00029	7.31	1.59	Ucp2
1427229_at	-5.04	1.94E-05	0.00029	7.62	1.42	Hmgcr
1439153_at	-5.04	1.94E-05	0.00029	9.32	1.06	Rnf144b
1437649_x_at	-5.03	1.99E-05	0.0003	11.77	0.77	Snx22
1426715_s_at	-5.03	1.99E-05	0.0003	7.46	0.99	Slc46a1
1434485_a_at	-5.03	2.00E-05	0.0003	12.55	0.71	Ugp2
1424266_s_at	-5.02	2.04E-05	0.0003	12.06	0.73	AU018778
1438759_x_at	-5.02	2.06E-05	0.0003	10.7	0.65	NA
1422155_at	-5	2.14E-05	0.00031	5.02	1.67	Hist2h3c2
1455059_at	-5	2.15E-05	0.00032	3.81	1.25	NA
1423488_at	-4.97	2.32E-05	0.00034	12.01	0.68	Mmd
1422678_at	-4.97	2.36E-05	0.00034	10.34	0.88	Dgat2
1420357_s_at	-4.96	2.38E-05	0.00034	5.58	2.15	Xlr3a
1436183_at	-4.96	2.42E-05	0.00035	8.64	1.01	9830115L13Rik
1417961_a_at	-4.95	2.48E-05	0.00035	6.95	1.47	Trim30
1439426_x_at	-4.95	2.48E-05	0.00035	11.6	1.59	Lyz2
1424518_at	-4.95	2.48E-05	0.00035	9.06	1.9	Apol9a
1448438_at	-4.94	2.56E-05	0.00036	11.54	0.73	Derl2
1451501_a_at	-4.94	2.58E-05	0.00036	12.63	1.08	Ghr

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1445897_s_at	-4.93	2.59E-05	0.00036	10.79	0.61	Ifi35
1418204_s_at	-4.93	2.60E-05	0.00037	7.01	1.74	Aif1
1438183_x_at	-4.93	2.62E-05	0.00037	11.28	0.8	Sord
1423782_at	-4.93	2.64E-05	0.00037	9.09	0.84	Mobkl1b
1436550_at	-4.92	2.70E-05	0.00038	4.94	1.29	Fbxo30
1436244_a_at	-4.92	2.74E-05	0.00038	3.53	0.88	Tle2
1417306_at	-4.91	2.77E-05	0.00038	5.06	1.16	Tyk2
1455045_at	-4.91	2.77E-05	0.00039	8.83	0.83	Srr
1418765_at	-4.91	2.78E-05	0.00039	10.49	0.7	Timd2
1433710_at	-4.91	2.79E-05	0.00039	5.33	1.39	Edc3
1423186_at	-4.91	2.80E-05	0.00039	4.85	1.52	Tiam2
1428748_at	-4.9	2.82E-05	0.00039	6.76	1.38	5830428H23Rik
1440576_at	-4.9	2.82E-05	0.00039	6.7	1.35	Cpn1
1451844_at	-4.9	2.84E-05	0.00039	5.51	2.15	Prlr
1427883_a_at	-4.9	2.84E-05	0.00039	7.59	1.5	Col3a1
1429024_at	-4.9	2.85E-05	0.00039	3.41	0.85	Rbm20
1449025_at	-4.9	2.88E-05	0.00039	6.28	1.62	Ifit3
1451091_at	-4.89	2.91E-05	0.0004	9.45	0.76	Txndc5
1423104_at	-4.89	2.93E-05	0.0004	9.33	1.12	Irs1
1429104_at	-4.89	2.93E-05	0.0004	4.8	1.51	Limd2
1435893_at	-4.89	2.96E-05	0.0004	5.18	1.69	Vldlr
1417373_a_at	-4.89	2.97E-05	0.0004	12.48	0.6	Tuba4a
1419559_at	-4.89	2.97E-05	0.0004	9.85	1.1	Cyp4f14
1418884_x_at	-4.89	2.98E-05	0.0004	7.35	1.12	Tuba1a
1451526_at	-4.88	3.02E-05	0.0004	3.85	1.12	Arhgap12
1426876_at	-4.87	3.11E-05	0.00042	9.27	0.85	Pm20d1
1455209_at	-4.87	3.15E-05	0.00042	4.75	1.38	Pck1
1450226_at	-4.86	3.22E-05	0.00043	10.18	1.38	Prlr
1451742_a_at	-4.86	3.23E-05	0.00043	12.08	0.73	Ugp2
1455470_x_at	-4.85	3.31E-05	0.00044	10.42	0.91	Lasp1
1418072_at	-4.84	3.44E-05	0.00045	13.46	0.59	Hist1h2bc
1440005_at	-4.83	3.48E-05	0.00046	7.73	1.13	Onecut2
1440890_a_at	-4.83	3.49E-05	0.00046	6.74	1.58	Zfp809
1436045_at	-4.83	3.51E-05	0.00046	3.73	1.03	Tsga10
1448029_at	-4.83	3.52E-05	0.00046	7.98	1.2	Tbx3
1417826_at	-4.83	3.53E-05	0.00046	8.33	1.02	Akr1e1
1423693_at	-4.82	3.56E-05	0.00046	7.23	1.04	Ela1
1447791_s_at	-4.82	3.58E-05	0.00046	2.94	0.96	Gna14
1448316_at	-4.82	3.58E-05	0.00046	5.05	1.31	Cmtm3
1448905_at	-4.82	3.59E-05	0.00046	7.16	1.13	Nme3
1449034_at	-4.82	3.63E-05	0.00047	12.03	0.92	Klkb1
1454641_at	-4.82	3.64E-05	0.00047	10.22	0.72	Cggbp1
1448188_at	-4.81	3.66E-05	0.00047	6.42	1.7	Ucp2
1440873_at	-4.81	3.73E-05	0.00048	3.51	0.88	NA
1451218_at	-4.81	3.75E-05	0.00048	9.87	0.79	Edem1
1420619_a_at	-4.8	3.76E-05	0.00048	10.02	0.72	Aes
1416130_at	-4.8	3.79E-05	0.00048	7.48	0.99	Prnp
1421109_at	-4.8	3.83E-05	0.00049	10.16	0.77	Cml2
1417963_at	-4.8	3.84E-05	0.00049	8.16	0.97	Pltp
1417490_at	-4.8	3.85E-05	0.00049	12.44	0.66	Ctsb
1451650_at	-4.79	3.88E-05	0.00049	4.95	1.14	Ddo
1448253_at	-4.79	3.88E-05	0.00049	13.15	0.6	Glud1
1421087_at	-4.79	3.88E-05	0.00049	3.3	0.85	Per3

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1436594_at	-4.79	3.90E-05	0.00049	4.64	1.48	Zfp719
1435353_a_at	-4.79	3.90E-05	0.00049	7.14	1.22	Sfi1
1455285_at	-4.79	3.91E-05	0.00049	9.07	0.78	Slc31a1
1436189_at	-4.79	3.91E-05	0.00049	6.95	1.37	Nqo2
1454902_at	-4.79	3.92E-05	0.00049	3.41	0.82	Prkcz
1417141_at	-4.79	3.97E-05	0.0005	9.85	1.63	Igtp
1418710_at	-4.78	4.01E-05	0.0005	9.94	0.73	Cd59a
1423166_at	-4.78	4.03E-05	0.0005	10.75	0.79	Cd36
1418888_a_at	-4.78	4.05E-05	0.0005	12.1	0.66	Sepx1
1448852_at	-4.78	4.06E-05	0.0005	13.86	0.54	Rgn
1423045_at	-4.78	4.06E-05	0.0005	6.63	1.16	Ncbp2
1457142_at	-4.78	4.09E-05	0.0005	5.88	1.74	Necab1
1450181_at	-4.78	4.09E-05	0.0005	5.07	1.45	Cux2
1428903_at	-4.77	4.14E-05	0.00051	2.71	0.79	3110037I16Rik
1421259_at	-4.77	4.18E-05	0.00051	4.27	1.27	Pklr
1436566_at	-4.77	4.19E-05	0.00051	3.03	1.13	Rab40b
1438634_x_at	-4.77	4.19E-05	0.00051	11.98	0.88	Lasp1
1422948_s_at	-4.76	4.21E-05	0.00052	4.16	1.17	Hist1h3a
1417902_at	-4.76	4.23E-05	0.00052	10.29	0.83	Slc19a2
1460603_at	-4.76	4.28E-05	0.00052	7.81	1.12	Samd9l
1422677_at	-4.76	4.31E-05	0.00052	9.57	0.87	Dgat2
1416411_at	-4.75	4.36E-05	0.00053	10.41	0.94	Gstm2
1423828_at	-4.75	4.44E-05	0.00054	9.63	1.88	Fasn
1455940_x_at	-4.75	4.45E-05	0.00054	9.01	0.9	Wdr6
1438377_x_at	-4.74	4.46E-05	0.00054	9.41	1.2	Slc13a3
1435805_at	-4.74	4.53E-05	0.00055	8.82	0.92	Lin7a
1417030_at	-4.74	4.57E-05	0.00055	3.73	0.88	Tmem206
1452841_at	-4.73	4.59E-05	0.00055	5.19	1.16	Pgm2l1
1431724_a_at	-4.73	4.62E-05	0.00055	3.02	0.73	P2ry12
1451326_at	-4.73	4.71E-05	0.00056	11.19	0.77	Abhd14b
1434999_at	-4.72	4.75E-05	0.00057	5.88	1.18	Suv420h1
1418838_at	-4.72	4.76E-05	0.00057	7.34	0.99	Abcd1
1452155_a_at	-4.72	4.85E-05	0.00058	9.45	0.82	Ddx17
1438647_x_at	-4.71	4.90E-05	0.00058	8.73	0.94	Cetn2
1438558_x_at	-4.71	4.92E-05	0.00058	5.79	1.22	Foxq1
1438758_at	-4.71	4.94E-05	0.00059	10.47	0.64	NA
1435462_at	-4.71	4.97E-05	0.00059	8.27	1.72	Plcx2
1450919_at	-4.7	5.01E-05	0.00059	9.11	0.77	Mpp1
1418118_at	-4.7	5.01E-05	0.00059	12.17	0.8	Slc22a1
1441110_at	-4.7	5.02E-05	0.00059	7.36	1.12	Lrit1
1415677_at	-4.7	5.10E-05	0.0006	10.23	0.86	Dhrs1
1454161_s_at	-4.7	5.10E-05	0.0006	9.13	1.03	0610007P14Rik
1450033_a_at	-4.7	5.12E-05	0.0006	9.09	1.42	Stat1
1448170_at	-4.7	5.14E-05	0.0006	5.49	1.41	Siah2
1424444_a_at	-4.69	5.16E-05	0.0006	8.91	0.91	1600014C10Rik
1425025_at	-4.69	5.27E-05	0.00061	5.54	1.39	Tmem106a
1423350_at	-4.68	5.39E-05	0.00063	5.21	1.68	Socs5
1450884_at	-4.68	5.43E-05	0.00063	9.34	1.03	Cd36
1422603_at	-4.68	5.44E-05	0.00063	13.91	0.58	Rnase4
1433750_at	-4.67	5.46E-05	0.00063	10.37	0.68	Slc31a1
1429830_a_at	-4.67	5.47E-05	0.00063	9.24	0.83	Cd59a
1420760_s_at	-4.67	5.49E-05	0.00063	7.24	1.04	Ndr1
1437432_a_at	-4.67	5.50E-05	0.00063	6.27	1.36	Trim12

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1450027_at	-4.67	5.58E-05	0.00064	6.81	1.5	Sdc3
1427168_a_at	-4.67	5.58E-05	0.00064	8.92	0.87	Col14a1
1434193_at	-4.66	5.65E-05	0.00064	5.93	1.24	RP23-153M14.8
1417001_a_at	-4.66	5.67E-05	0.00065	11.1	1.07	D4Wsu53e
1452799_at	-4.66	5.68E-05	0.00065	10.14	0.75	Fggy
1435536_at	-4.66	5.71E-05	0.00065	9.16	0.93	Rsc1a1
1451681_at	-4.65	5.87E-05	0.00066	12.28	0.72	BC089597
1427126_at	-4.65	5.90E-05	0.00067	5.89	1.53	Hspa1b
1416560_at	-4.64	5.98E-05	0.00068	5.5	1.58	Slc13a3
1434486_x_at	-4.64	6.02E-05	0.00068	12.61	0.66	Ugp2
1441733_s_at	-4.64	6.05E-05	0.00068	5.94	1.15	Nup153
1425826_a_at	-4.63	6.10E-05	0.00068	7.48	0.98	Sorbs1
1422684_a_at	-4.63	6.11E-05	0.00068	5.78	1.18	Exoc4
1418133_at	-4.63	6.12E-05	0.00068	7.1	1.18	Bcl3
1435661_at	-4.63	6.12E-05	0.00068	5.05	1.15	Als2cr4
1434745_at	-4.63	6.18E-05	0.00069	4.93	1.17	Ccnd2
1421990_at	-4.63	6.22E-05	0.00069	3.38	0.79	Syt1
1423436_at	-4.62	6.29E-05	0.0007	13.59	0.65	Gsta3
1451515_s_at	-4.62	6.30E-05	0.0007	12.41	0.61	Glyat
1451552_at	-4.62	6.35E-05	0.0007	4.95	1.07	Lipt1
1417533_a_at	-4.62	6.37E-05	0.0007	7.95	0.85	Itgb5
1419031_at	-4.62	6.39E-05	0.0007	11.77	0.74	Fads2
1449455_at	-4.62	6.42E-05	0.00071	5.91	1.6	Hck
1456494_a_at	-4.62	6.43E-05	0.00071	3.94	1.22	AI451617
1451767_at	-4.62	6.43E-05	0.00071	4.09	1.27	Ncf1
1438553_x_at	-4.61	6.46E-05	0.00071	4.9	1.13	NA
1420008_s_at	-4.61	6.48E-05	0.00071	8.45	0.9	Wwc1
1433888_at	-4.61	6.55E-05	0.00072	3.8	1.05	Atp2b2
1456026_at	-4.61	6.59E-05	0.00072	6.57	1.22	Nhlrc3
1456309_x_at	-4.6	6.66E-05	0.00073	7.21	1.09	Lasp1
1434065_at	-4.6	6.67E-05	0.00073	6.13	1.24	Cwf19l1
1437085_at	-4.6	6.67E-05	0.00073	7.4	1.37	D630039A03Rik
1417399_at	-4.6	6.69E-05	0.00073	7.91	1.01	Gas6
1417609_at	-4.6	6.72E-05	0.00073	8.44	0.91	Ube2a
1429164_at	-4.6	6.81E-05	0.00074	3.34	0.74	Prss36
1428309_s_at	-4.59	6.87E-05	0.00074	5.42	1.08	Pdrg1
1424339_at	-4.59	6.87E-05	0.00074	5.97	1.22	Oasl1
1443327_at	-4.59	6.89E-05	0.00074	5.15	1.25	D130043K22Rik
1423978_at	-4.59	6.89E-05	0.00074	6.89	1.36	Sbk1
1434243_s_at	-4.59	6.90E-05	0.00074	6.62	1.1	Tomm70a
1457904_at	-4.59	6.91E-05	0.00074	5.76	1.15	Car8
1425701_a_at	-4.59	6.96E-05	0.00075	3.67	1.41	Rgs3
1420420_at	-4.59	6.96E-05	0.00075	10.56	0.91	Hao1
1455232_at	-4.59	6.98E-05	0.00075	12.42	0.59	Cml2
1428308_at	-4.59	7.01E-05	0.00075	6.58	1.16	Pdrg1
1455991_at	-4.58	7.04E-05	0.00075	11.99	0.66	Ccbl2
1438218_at	-4.58	7.06E-05	0.00076	5.02	1.11	Zbtb24
1417767_at	-4.58	7.09E-05	0.00076	9.91	0.78	Cyb5b
1453243_at	-4.58	7.11E-05	0.00076	3.83	0.83	0610030E20Rik
1440936_at	-4.58	7.11E-05	0.00076	4.43	1.06	Serac1
1423244_at	-4.58	7.15E-05	0.00076	13.76	0.49	Cyp2c68
1418766_s_at	-4.58	7.19E-05	0.00076	7.66	1	Timd2
1452289_a_at	-4.57	7.24E-05	0.00077	6.22	1.21	Rnf135

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1424838_at	-4.57	7.24E-05	0.00077	3.86	1.75	A330049M08Rik
1424648_at	-4.57	7.25E-05	0.00077	4.4	1.01	Rabl4
1425918_at	-4.57	7.29E-05	0.00077	7.43	2.08	Egln3
1452203_at	-4.57	7.32E-05	0.00077	6.73	1.48	Obfc2a
1419435_at	-4.57	7.37E-05	0.00078	9.83	0.75	Aox1
1435369_at	-4.57	7.38E-05	0.00078	8.18	0.92	Fastkd5
1435196_at	-4.57	7.44E-05	0.00078	3.38	1.32	Ntrk2
1424998_at	-4.56	7.52E-05	0.00079	4.02	1.45	Emr4
1451860_a_at	-4.56	7.53E-05	0.00079	7.37	1.41	Trim30
1440339_at	-4.56	7.55E-05	0.00079	7.12	1.06	4833416E15Rik
1448207_at	-4.56	7.57E-05	0.00079	3.67	0.95	Lasp1
1433902_at	-4.56	7.65E-05	0.0008	3.7	0.9	Kbtbd8
1438116_x_at	-4.55	7.68E-05	0.0008	11.19	0.73	Slc9a3r1
1451219_at	-4.55	7.83E-05	0.00081	9.8	0.68	Ormdl1
1417847_at	-4.55	7.84E-05	0.00081	9.04	0.93	Ulk2
1420410_at	-4.54	7.89E-05	0.00082	9.97	0.67	Nr5a2
1438910_a_at	-4.54	7.91E-05	0.00082	8.7	0.86	Stom
1452445_at	-4.54	7.91E-05	0.00082	8.58	1.75	Slc41a2
1416209_at	-4.54	7.91E-05	0.00082	13.5	0.54	Glud1
1434291_a_at	-4.54	7.96E-05	0.00082	7.56	1.21	Serf1
1449577_x_at	-4.54	7.97E-05	0.00082	4.12	1.33	Tpm2
1439264_x_at	-4.54	7.98E-05	0.00082	9.47	0.79	Lasp1
1429619_a_at	-4.54	7.99E-05	0.00082	3.8	0.85	8430406I07Rik
1456521_at	-4.54	8.10E-05	0.00083	9.05	0.74	NA
1435194_at	-4.54	8.10E-05	0.00083	9.42	0.77	Hspa4
1454617_at	-4.53	8.15E-05	0.00083	10.19	0.78	Arrdc3
1425778_at	-4.53	8.17E-05	0.00083	4.04	0.99	Indol1
1418405_at	-4.53	8.21E-05	0.00084	10.76	0.75	Hgfac
1437492_at	-4.53	8.25E-05	0.00084	3.37	1.02	Mkx
1426971_at	-4.53	8.26E-05	0.00084	4.73	1.22	Ube1l
1427261_at	-4.53	8.29E-05	0.00084	7.91	0.86	Wwc1
1435161_at	-4.53	8.30E-05	0.00084	8.62	0.89	Sepsecs
1438194_at	-4.52	8.42E-05	0.00085	10.02	0.9	2900019G14Rik
1420567_at	-4.52	8.42E-05	0.00085	7.81	1.44	Prkd3
1452769_at	-4.52	8.45E-05	0.00085	8.81	0.81	Rnf145
1432164_a_at	-4.52	8.51E-05	0.00086	11.91	0.64	Gcsh
1429295_s_at	-4.51	8.60E-05	0.00086	3.45	0.76	Trip13
1448080_at	-4.51	8.67E-05	0.00087	8.36	0.92	LOC100040465
1433696_at	-4.51	8.67E-05	0.00087	8.58	0.87	Hn1l
1437033_a_at	-4.51	8.71E-05	0.00087	3.57	0.89	Skp2
1418311_at	-4.51	8.79E-05	0.00088	5.49	1.23	Fn3k
1448908_at	-4.51	8.82E-05	0.00088	10.62	0.6	Ppap2b
1437950_at	-4.5	8.84E-05	0.00088	5.88	1.61	BC035537
1448930_at	-4.5	8.96E-05	0.00089	4.6	1.02	3010026O09Rik
1437077_at	-4.5	8.99E-05	0.00089	5.79	1.08	Dcun1d2
1442097_at	-4.5	9.01E-05	0.0009	6.28	1.56	EG665393
1453220_at	-4.49	9.23E-05	0.00091	6.85	1.55	4432416J03Rik
1436839_at	-4.49	9.33E-05	0.00092	6.36	1.32	2010109K11Rik
1460591_at	-4.48	9.42E-05	0.00093	9.77	0.81	Esr1
1418392_a_at	-4.48	9.50E-05	0.00094	6.53	1.48	Gbp3
1434299_x_at	-4.47	9.64E-05	0.00095	8.3	0.95	Rabl4
1449183_at	-4.47	9.73E-05	0.00096	11.42	0.7	Comt
1422903_at	-4.47	9.75E-05	0.00096	7.15	1.5	Ly86

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1426301_at	-4.47	9.79E-05	0.00096	9.04	0.74	Alcam
1419239_at	-4.47	9.85E-05	0.00096	4.86	1.25	Zfp54
1417011_at	-4.46	9.92E-05	0.00097	10.46	0.68	Sdc2
1427327_at	-4.46	9.94E-05	0.00097	4.21	1.54	Pilra
1450724_at	-4.46	0.0001	0.00098	8.9	0.87	Drctnnb1a
1438633_x_at	-4.46	0.0001	0.00098	9.53	0.75	Lasp1
1435160_at	-4.46	0.0001	0.00099	7.4	0.9	Ahsa2
1437519_x_at	-4.46	0.0001	0.00099	10.79	0.64	Hagh
1420525_a_at	-4.45	0.0001	0.00099	12.75	0.61	Otc
1417272_at	-4.45	0.0001	0.00099	7.21	1.02	9130005N14Rik
1441498_at	-4.45	0.0001	0.00099	4.31	1.1	Ptprd
1443940_at	-4.45	0.0001	0.00099	4.07	1.07	Lrit2
1419560_at	-4.45	0.0001	0.001	11.15	0.79	Lipc
1418804_at	-4.45	0.0001	0.00101	10.34	0.84	Sucnr1
1415923_at	-4.44	0.0001	0.00101	4.2	1.02	Ndn
1416468_at	-4.44	0.00011	0.00102	13.87	0.47	Aldh1a1
1437466_at	-4.44	0.00011	0.00102	8.63	0.81	Alcam
1417219_s_at	-4.44	0.00011	0.00103	8.41	0.93	Tmsb10
1451362_at	-4.43	0.00011	0.00103	7.07	1.14	Rab711
1443003_at	-4.43	0.00011	0.00103	4.47	1.4	NA
1438201_at	-4.43	0.00011	0.00103	3.59	0.9	Ppm2c
1418716_at	-4.43	0.00011	0.00104	3.17	0.74	Mrps25
1439037_at	-4.43	0.00011	0.00104	5.1	1.13	Ddx17
1418324_at	-4.43	0.00011	0.00105	7.45	1.04	Fem1b
1417825_at	-4.42	0.00011	0.00105	12.71	0.55	Esd
1460399_at	-4.42	0.00011	0.00105	4.61	1.03	Ccdc117
1435474_at	-4.42	0.00011	0.00107	3.76	1.06	Taf5
1431900_a_at	-4.42	0.00011	0.00107	8.69	1.09	Foxa3
1424118_a_at	-4.41	0.00011	0.00108	6.27	1.47	Spc25
1427482_a_at	-4.41	0.00012	0.00108	11	0.72	Car8
1424723_s_at	-4.41	0.00012	0.00109	7.3	1.39	Cstf3
1448236_at	-4.39	0.00012	0.00113	10.71	0.58	Rdx
1423046_s_at	-4.39	0.00012	0.00113	8.3	0.76	Ncbp2
1440234_at	-4.39	0.00012	0.00113	3.23	0.71	1810012P15Rik
1452666_a_at	-4.39	0.00012	0.00113	2.97	0.68	Tmcc2
1439940_at	-4.39	0.00012	0.00115	8.38	1.05	2900019G14Rik
1436070_at	-4.38	0.00013	0.00117	9.17	0.86	Glo1
1428930_at	-4.38	0.00013	0.00117	6.82	1.06	Tmem29
1416712_at	-4.38	0.00013	0.00118	8.34	0.88	Pepd
1427981_a_at	-4.37	0.00013	0.00118	11.09	1.11	Csad
1448732_at	-4.37	0.00013	0.0012	11.95	0.67	Ctsb
1456208_at	-4.37	0.00013	0.0012	3.68	0.97	A530057A03Rik
1417671_at	-4.36	0.00013	0.00122	6.6	1.16	Scly
1456003_a_at	-4.36	0.00013	0.00123	4.48	0.99	Slc1a4
1449097_at	-4.36	0.00013	0.00123	8.25	0.9	Txnrd2
1456609_at	-4.36	0.00013	0.00123	8.78	0.76	Camk2n1
1425496_at	-4.35	0.00014	0.00123	7.46	1.05	Abca3
1426806_at	-4.35	0.00014	0.00124	6.23	1.35	Obfc2a
1455972_x_at	-4.35	0.00014	0.00126	14.35	0.39	Hadh
1441342_at	-4.35	0.00014	0.00126	7.94	0.9	Dpp4
1454649_at	-4.34	0.00014	0.00126	5.73	1.14	Srd5a1
1458302_at	-4.34	0.00014	0.00126	5.96	1.34	NA
1438167_x_at	-4.34	0.00014	0.00127	9.13	1	Flcn

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1419172_at	-4.34	0.00014	0.00128	9.16	0.77	Dhfr
1417932_at	-4.34	0.00014	0.00128	8.1	1.16	Il18
1449523_at	-4.33	0.00014	0.00131	8.14	0.83	Bcl7c
1428596_at	-4.33	0.00014	0.00131	7.44	0.85	Tbc1d9b
1417189_at	-4.33	0.00014	0.00131	10.33	0.81	Psme2
1418294_at	-4.32	0.00015	0.00133	9.28	0.75	Epb4.1l4b
1423197_a_at	-4.32	0.00015	0.00133	7.62	0.86	Smek2
1447864_s_at	-4.32	0.00015	0.00133	3.78	0.83	Pogk
1438488_at	-4.32	0.00015	0.00133	3.73	0.93	Esd
1452394_at	-4.32	0.00015	0.00134	6.91	1.15	Cars
1423319_at	-4.31	0.00015	0.00135	9.46	1.81	Hhex
1424996_at	-4.31	0.00015	0.00137	7.71	0.98	Cflar
1425771_at	-4.31	0.00015	0.00137	9.44	0.77	Akr1d1
1440688_at	-4.3	0.00016	0.00139	2.91	0.91	Arhgap26
1418333_at	-4.3	0.00016	0.00139	4.37	0.94	Mtf1
1426568_at	-4.29	0.00016	0.00142	4.65	1.17	Slc2a9
1453155_at	-4.29	0.00016	0.00144	9.35	0.74	Tmem50a
1426727_s_at	-4.28	0.00017	0.00145	4.95	1.7	Ppp1r10
1448110_at	-4.28	0.00017	0.00147	8.47	0.76	Sema4a
1451579_at	-4.28	0.00017	0.00148	4.72	1.2	BC024139
1438941_x_at	-4.28	0.00017	0.00148	9.11	0.74	Ampd2
1453049_at	-4.27	0.00017	0.00148	6.09	0.88	6620401M08Rik
1455058_at	-4.27	0.00017	0.00149	7.8	0.95	Mtmr9
1449209_a_at	-4.27	0.00017	0.0015	8.38	1.02	Rdh11
1450997_at	-4.27	0.00017	0.0015	5.91	1.65	Stk17b
1448232_x_at	-4.25	0.00018	0.00154	8.93	0.7	Tuba1c
1438186_at	-4.25	0.00018	0.00156	6.48	1.21	Pdlim5
1422185_a_at	-4.25	0.00018	0.00156	10.45	0.93	Cyb5r3
1448269_a_at	-4.25	0.00018	0.00156	9.85	0.73	Klhl13
1423754_at	-4.25	0.00018	0.00156	12.75	0.72	Ifitm3
1435727_s_at	-4.25	0.00018	0.00157	7.2	0.9	Lima1
1419604_at	-4.24	0.00018	0.00158	3.44	0.9	Zbp1
1439755_at	-4.24	0.00019	0.0016	4.19	0.97	Sipa1l1
1449084_s_at	-4.24	0.00019	0.0016	10.43	0.6	Sh3d19
1417793_at	-4.24	0.00019	0.0016	9.73	1.43	Iigp2
1419185_a_at	-4.24	0.00019	0.0016	9.65	0.8	Mlxipl
1439783_at	-4.23	0.00019	0.00161	7.7	0.81	C330018D20Rik
1428791_at	-4.23	0.00019	0.00162	8.82	0.76	Ube2h
1434742_s_at	-4.23	0.00019	0.00162	3.69	0.89	Aifm3
1448241_at	-4.23	0.00019	0.00162	9.8	0.83	Gm2a
1419097_a_at	-4.23	0.00019	0.00163	8.9	0.75	Stom
1450696_at	-4.23	0.00019	0.00163	6.86	1.85	Psmb9
1437983_at	-4.23	0.00019	0.00164	8.92	0.82	Sall1
1426614_at	-4.23	0.00019	0.00164	6.69	0.99	Prkcbp1
1428708_x_at	-4.22	0.0002	0.00164	10.13	0.64	Ptms
1449839_at	-4.22	0.0002	0.00166	7.61	0.92	Casp3
1431095_a_at	-4.21	0.0002	0.0017	4.41	0.97	Herc5
1434354_at	-4.21	0.0002	0.0017	12.43	0.52	Maob
1446850_at	-4.2	0.00021	0.00173	5.71	1.19	Ppap2b
1421132_at	-4.2	0.00021	0.00173	3.23	0.68	Pvrl3
1452762_at	-4.2	0.00021	0.00173	5.8	1.1	8430436O14Rik
1416553_at	-4.2	0.00021	0.00175	6.98	0.98	Stra13
1447057_at	-4.2	0.00021	0.00175	3.41	0.82	NA

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1421911_at	-4.2	0.00021	0.00175	5.42	1.15	Stat2
1451455_at	-4.19	0.00021	0.00176	7.38	1.09	Thns12
1418713_at	-4.19	0.00021	0.00177	12.18	0.56	Pcbd1
1424921_at	-4.19	0.00022	0.00178	9.91	0.82	Brd4
1419528_at	-4.19	0.00022	0.00179	14.21	0.47	C730007P19Rik
1453145_at	-4.19	0.00022	0.00179	4.84	1.12	4933439C20Rik
1417661_at	-4.18	0.00022	0.00179	4.53	0.97	Rdm1
1424175_at	-4.18	0.00022	0.00179	7.98	0.82	Tef
1450484_a_at	-4.18	0.00022	0.0018	5.16	1.11	Cmpk2
1435334_at	-4.18	0.00022	0.0018	5.21	0.96	Ttc7
1425179_at	-4.18	0.00022	0.00181	11.01	0.61	Shmt1
1423394_at	-4.18	0.00022	0.00181	9.54	0.66	Pcyox1
1438450_at	-4.18	0.00022	0.00181	5.46	1.07	Lin7a
1425686_at	-4.18	0.00022	0.00182	7.06	1	Cflar
1438980_x_at	-4.18	0.00022	0.00183	11.29	0.68	Pm20d1
1433094_at	-4.18	0.00022	0.00183	2.71	0.76	Slc1a2
1425239_at	-4.17	0.00022	0.00183	5.24	1.09	Setd4
1435802_at	-4.17	0.00022	0.00183	2.8	0.66	Zbtb45
1450403_at	-4.17	0.00022	0.00183	6.76	1.18	Stat2
1422478_a_at	-4.17	0.00023	0.00184	10.18	0.84	Acss2
1436532_at	-4.16	0.00023	0.00188	4.2	1.13	Dclk3
1426858_at	-4.16	0.00023	0.00188	4.75	1.45	Inhbb
1420013_s_at	-4.16	0.00024	0.00191	7.9	1.1	Lss
1428014_at	-4.15	0.00024	0.00193	4.16	0.84	Hist1h4h
1423127_at	-4.15	0.00024	0.00193	9.84	0.68	Impa1
1452501_at	-4.15	0.00024	0.00194	10.38	0.58	Cyp2c38
1424012_at	-4.15	0.00024	0.00194	3.89	0.8	Ttc30a1
1415871_at	-4.15	0.00024	0.00194	8.72	0.69	Tgfbi
1439069_a_at	-4.15	0.00024	0.00194	9.05	0.74	4933439C20Rik
1449013_at	-4.15	0.00024	0.00195	2.59	0.58	Eef2k
1451456_at	-4.14	0.00024	0.00195	6.08	0.97	6430706D22Rik
1451416_a_at	-4.14	0.00025	0.00197	5.06	1.09	Tgm1
1451625_a_at	-4.14	0.00025	0.00198	12.97	0.51	C8g
1444138_at	-4.14	0.00025	0.002	7.84	1.03	Cyp2r1
1418982_at	-4.14	0.00025	0.002	10.54	0.66	Cebpa
1460645_at	-4.13	0.00025	0.002	9.86	0.71	Chordc1
1449385_at	-4.13	0.00025	0.00201	11.02	0.94	Hsd17b6
1422751_at	-4.13	0.00025	0.00202	8.14	0.92	Tle1
1416855_at	-4.13	0.00025	0.00202	8.54	0.86	Gas1
1438561_x_at	-4.13	0.00025	0.00202	6.16	1.13	Tmem180
1431251_at	-4.13	0.00026	0.00204	7.59	1.06	Lrrc3
1446812_at	-4.13	0.00026	0.00204	3.57	0.85	LOC100040515
1417534_at	-4.12	0.00026	0.00205	8.68	0.67	Itgb5
1452494_s_at	-4.12	0.00026	0.00205	13.13	0.54	Slco1b2
1448569_at	-4.12	0.00026	0.00205	6.14	1.1	2410014A08Rik
1422198_a_at	-4.12	0.00026	0.00206	9.38	0.67	Shmt1
1443863_at	-4.12	0.00026	0.00206	7.42	0.78	Fndc3a
1423569_at	-4.12	0.00026	0.00208	4.93	1.11	Gatm
1425985_s_at	-4.11	0.00027	0.0021	9.02	0.73	Masp1
1451651_at	-4.11	0.00027	0.00211	10.79	1.26	Vsig4
1440992_at	-4.11	0.00027	0.00212	3.96	0.94	3110052M02Rik
1426207_at	-4.11	0.00027	0.00213	9.63	0.66	Ikbkb
1434945_at	-4.11	0.00027	0.00213	3.96	1.37	Lpcat2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1422160_at	-4.1	0.00027	0.00213	3.43	0.95	H2-T24
1418529_at	-4.1	0.00028	0.00215	7.63	0.8	Osgep
1451217_a_at	-4.1	0.00028	0.00216	9.85	0.65	Impmp1l
1438916_x_at	-4.1	0.00028	0.00216	3.23	0.65	6720401G13Rik
1441214_at	-4.09	0.00028	0.00218	5.56	1.1	Exph5
1423160_at	-4.09	0.00028	0.00218	6.07	0.92	Spred1
1419697_at	-4.09	0.00028	0.0022	5.88	1.05	Cxcl11
1451426_at	-4.09	0.00029	0.00221	4.44	1.1	Dhx58
1416225_at	-4.08	0.00029	0.00225	13.8	0.43	Adh1
1438021_at	-4.08	0.0003	0.00228	8.75	0.68	Rbm47
1438251_x_at	-4.07	0.0003	0.00229	3.99	1.05	Htra1
1441945_s_at	-4.07	0.0003	0.0023	7.35	0.96	Abhd14a
1436902_x_at	-4.07	0.0003	0.0023	7.9	1.29	Tmsb10
1423482_at	-4.07	0.0003	0.00231	8.89	0.72	Uros
1460085_at	-4.07	0.0003	0.00232	5.03	1.61	Zfp281
1442082_at	-4.07	0.0003	0.00232	4.62	1.22	C3ar1
1441315_s_at	-4.06	0.00031	0.00233	10.57	0.75	Slc19a2
1438602_s_at	-4.06	0.00031	0.00233	7.73	0.83	Masp1
1433770_at	-4.06	0.00031	0.00234	8.4	0.82	Dpysl2
1418706_at	-4.06	0.00031	0.00236	12.39	0.58	Slc38a3
1422126_a_at	-4.06	0.00031	0.00236	7.06	0.96	Nudt13
1427893_a_at	-4.05	0.00031	0.00238	8	1.01	Pmvk
1426801_at	-4.05	0.00032	0.00239	3.62	0.8	Sep-08
1427351_s_at	-4.05	0.00032	0.0024	9.03	2.25	Igh-6
1416403_at	-4.05	0.00032	0.0024	5.63	1.02	Abcb10
1438915_at	-4.05	0.00032	0.00242	3.33	0.66	6720401G13Rik
1424516_at	-4.05	0.00032	0.00242	6.98	0.99	B230354K17Rik
1455142_at	-4.05	0.00032	0.00243	7.64	0.98	Socs4
1455521_at	-4.05	0.00032	0.00243	9.38	0.87	Klf12
1417083_at	-4.04	0.00032	0.00243	10.35	0.71	Sec61b
1447285_at	-4.04	0.00033	0.00245	7.86	1.17	NA
1419483_at	-4.04	0.00033	0.00246	4.18	0.86	C3ar1
1417823_at	-4.04	0.00033	0.00247	8.74	0.75	Gcat
1453016_at	-4.04	0.00033	0.00247	8	0.8	2900042B11Rik
1417316_at	-4.03	0.00034	0.00252	10.12	0.69	Them2
1417113_at	-4.02	0.00034	0.00256	8.05	0.71	Gmcl1
1450808_at	-4.02	0.00034	0.00256	5.02	1.88	Fpr1
1421410_a_at	-4.02	0.00034	0.00256	5.83	1.16	Pstpip2
1416833_at	-4.02	0.00034	0.00256	8.23	1.25	Keg1
1444998_at	-4.02	0.00035	0.0026	5	1	NA
1424496_at	-4.01	0.00035	0.00262	7.19	0.87	5133401N09Rik
1449325_at	-4.01	0.00035	0.00262	11.46	0.66	Fads2
1456898_at	-4.01	0.00035	0.00262	8.89	0.66	Pura
1416620_at	-4.01	0.00036	0.00265	5.64	0.97	Smarcal1
1437287_at	-4	0.00036	0.00266	11.87	0.59	1110020G09Rik
1429006_s_at	-4	0.00036	0.00267	4.52	1.16	2610110G12Rik
1435595_at	-4	0.00037	0.0027	8.22	1.23	1810011O10Rik
1437773_x_at	-4	0.00037	0.0027	11.33	0.64	Ddx17
1428789_at	-3.99	0.00037	0.00272	6.75	0.98	Ralgps2
1424047_at	-3.99	0.00037	0.00273	9.35	0.74	Dera
1448465_at	-3.99	0.00037	0.00273	11.16	0.6	Nipsnap1
1454984_at	-3.99	0.00037	0.00273	10.61	1.11	Lifr
1425329_a_at	-3.99	0.00038	0.00276	8.99	1.11	Cyb5r3

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1454966_at	-3.99	0.00038	0.00276	7	1	Itga8
1455538_at	-3.99	0.00038	0.00277	8.02	0.93	6330403M23Rik
1418195_at	-3.98	0.00038	0.00277	3.34	0.66	Galnt10
1428526_at	-3.98	0.00038	0.00278	9.14	0.72	Lsmd1
1425503_at	-3.98	0.00038	0.00278	8.66	0.67	Gcnt2
1448655_at	-3.98	0.00038	0.00278	10.46	0.65	Lrp1
1441075_at	-3.98	0.00039	0.00281	7.42	0.86	Nostrin
1422954_at	-3.97	0.00039	0.00284	2.93	0.87	Zfp60
1427964_at	-3.97	0.00039	0.00284	9.35	0.65	Cmtm8
1434444_s_at	-3.97	0.00039	0.00285	4.15	0.86	Anapc1
1417804_at	-3.97	0.00039	0.00285	3.87	1	Rasgrp2
1456381_x_at	-3.97	0.00039	0.00285	10.05	0.7	Mcl1
1426447_at	-3.97	0.00039	0.00285	3.84	0.8	Nup35
1435247_at	-3.97	0.0004	0.00285	7.99	0.85	Uba5
1423554_at	-3.97	0.0004	0.00285	6.85	0.97	Ggcx
1434162_at	-3.97	0.0004	0.00285	8.73	0.69	2700078E11Rik
1421135_a_at	-3.97	0.0004	0.00286	7.08	0.91	Cnot8
1446536_at	-3.97	0.0004	0.00288	3.23	0.74	Sema6d
1423729_a_at	-3.96	0.00041	0.00291	9.36	0.65	Rnf181
1433786_x_at	-3.96	0.00041	0.00291	10.93	0.58	Serf2
1419537_at	-3.96	0.00041	0.00291	3.97	1	Tcfec
1431830_at	-3.96	0.00041	0.00293	4	0.86	Zfp329
1460180_at	-3.96	0.00041	0.00294	8.85	0.83	Hexb
1455659_at	-3.96	0.00041	0.00295	5.53	0.95	Tmcc1
1452375_at	-3.95	0.00041	0.00295	9.13	0.85	Aldh4a1
1451307_at	-3.95	0.00042	0.00296	7.83	0.87	Mrpl14
1418672_at	-3.95	0.00042	0.00297	11.04	0.62	Akr1c13
1440284_at	-3.95	0.00042	0.00298	5.1	1.42	NA
1428505_at	-3.95	0.00042	0.00298	8.43	0.7	Ccdc90b
1448233_at	-3.95	0.00042	0.00299	9.67	0.66	Prnp
1418190_at	-3.95	0.00042	0.00299	14.24	0.34	Pon1
1416968_a_at	-3.95	0.00042	0.00299	12.79	0.48	Hsd3b7
1451936_a_at	-3.94	0.00043	0.00301	5.37	0.93	Txnrd2
1423648_at	-3.94	0.00043	0.00303	9.52	0.81	Pdia6
1435331_at	-3.94	0.00043	0.00303	4.18	1.23	Pyhin1
1422888_at	-3.94	0.00043	0.00304	9.63	0.59	Rnf5
1452944_at	-3.94	0.00043	0.00304	9.4	0.88	Afmid
1453004_at	-3.94	0.00043	0.00305	9.07	0.83	Slc22a23
1424515_at	-3.94	0.00043	0.00305	3.89	0.92	B230354K17Rik
1452353_at	-3.94	0.00044	0.00305	9.2	0.67	Gpr155
1456333_a_at	-3.94	0.00044	0.00306	3.98	0.96	Arhgap6
1447277_s_at	-3.93	0.00044	0.00309	11.8	0.59	Pcyox1
1421092_at	-3.93	0.00044	0.00311	7.58	1.14	Serpina12
1422186_s_at	-3.93	0.00045	0.00311	11.44	0.86	Cyb5r3
1448535_at	-3.93	0.00045	0.00312	5.85	0.94	Elp4
1424743_at	-3.93	0.00045	0.00313	6.47	0.99	2610003J06Rik
1438649_x_at	-3.92	0.00045	0.00314	12.06	0.53	Pebp1
1421946_at	-3.92	0.00045	0.00314	12.56	0.58	Crp
1446090_at	-3.92	0.00045	0.00315	3.17	0.58	NA
1440879_at	-3.92	0.00045	0.00316	5.19	1.15	Abca9
1422597_at	-3.92	0.00046	0.00317	4.16	0.79	Mmp15
1455213_at	-3.92	0.00046	0.00317	4.02	0.96	4930488E11Rik
1419477_at	-3.92	0.00046	0.00318	6.71	1.32	Clec2d

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1450201_at	-3.92	0.00046	0.00318	12.56	0.62	Proz
1460174_at	-3.92	0.00046	0.00318	6.05	1.18	Dexi
1422053_at	-3.92	0.00046	0.00318	4.59	1.05	Inhba
1429581_at	-3.92	0.00046	0.00319	6.93	1.06	Acad9
1453011_at	-3.92	0.00046	0.00319	6.67	0.99	Bdh2
1418446_at	-3.91	0.00046	0.0032	7.01	1.03	Slc16a2
1417292_at	-3.91	0.00047	0.00322	8.77	1.44	Ifi47
1428290_at	-3.91	0.00047	0.00323	7.91	0.89	Mipep
1420936_s_at	-3.91	0.00047	0.00324	4.73	0.96	Cpsf2
1453078_at	-3.91	0.00047	0.00324	7.37	0.83	8430408J07Rik
1439622_at	-3.91	0.00047	0.00324	4.07	1.01	Rassf4
1428767_at	-3.91	0.00047	0.00324	7.58	0.91	Gsdmd
1416539_at	-3.9	0.00048	0.00326	6.82	0.95	Siae
1418537_at	-3.9	0.00048	0.00329	5.72	1.17	Isoc2b
1417441_at	-3.9	0.00048	0.00329	9.02	1.29	Dnajc12
1434135_at	-3.9	0.00048	0.0033	6.6	0.93	B3galnt2
1430619_a_at	-3.9	0.00049	0.00331	3.92	0.92	Mvk
1454686_at	-3.9	0.00049	0.00331	5.12	0.98	6430706D22Rik
1424826_s_at	-3.9	0.00049	0.00332	9.05	0.74	Mtss1
1421741_at	-3.89	0.00049	0.00333	9.27	3.59	Cyp3a16
1420383_a_at	-3.89	0.0005	0.00336	3.6	0.67	Col4a3bp
1427127_x_at	-3.89	0.0005	0.00338	7.23	1.13	Hspa1b
1417857_at	-3.89	0.0005	0.00339	8	0.79	Mmaa
1424886_at	-3.88	0.0005	0.00339	9.61	0.58	Ptprd
1426774_at	-3.88	0.0005	0.00339	8.88	0.67	Parp12
1429692_s_at	-3.88	0.00051	0.00342	10.36	0.78	Gch1
1431381_at	-3.88	0.00051	0.00342	3.13	0.63	3110005L24Rik
1434561_at	-3.88	0.00051	0.00344	6.7	1.07	Asxl1
1456777_at	-3.88	0.00051	0.00345	8.78	0.77	Mgam
1431133_at	-3.88	0.00051	0.00345	3.77	0.82	Arhgap18
1441727_s_at	-3.87	0.00052	0.0035	7.11	1.09	Zfp467
1426714_at	-3.87	0.00052	0.0035	6.78	0.83	Slc46a1
1431191_a_at	-3.87	0.00053	0.00351	2.51	0.59	Syt1
1433592_at	-3.87	0.00053	0.00352	7.66	0.74	Calm1
1429771_at	-3.87	0.00053	0.00352	10.33	0.55	3110073H01Rik
1418366_at	-3.87	0.00053	0.00353	8.89	0.75	Hist2h2aa1
1426278_at	-3.86	0.00054	0.00356	7.35	1.19	Ifi27
1424399_at	-3.86	0.00054	0.00359	8.42	0.67	Uck1
1449394_at	-3.86	0.00054	0.00359	12.2	0.57	Slco1b2
1419627_s_at	-3.86	0.00054	0.0036	5.85	1.58	Clec4n
1418367_x_at	-3.85	0.00055	0.00361	9.57	0.72	Hist2h2aa1
1435824_at	-3.85	0.00055	0.00361	8.68	0.65	Yy1
1449086_at	-3.85	0.00055	0.00361	6.33	0.95	Rnf141
1419132_at	-3.85	0.00055	0.00361	4.66	1.59	Tlr2
1417606_a_at	-3.85	0.00055	0.00363	12.91	0.58	Calr
1439266_a_at	-3.85	0.00056	0.00367	7.65	0.88	Polr3k
1449848_at	-3.85	0.00056	0.00367	4.41	1.27	Gna14
1425548_a_at	-3.85	0.00056	0.00367	3.15	0.93	Lst1
1434864_at	-3.85	0.00056	0.00367	3.85	0.8	Nipa1
1450612_a_at	-3.85	0.00056	0.00367	10.48	0.53	Pemt
1416782_s_at	-3.84	0.00056	0.00368	4	0.86	Praf2
1419599_s_at	-3.84	0.00056	0.00369	6.14	1.57	Ms4a6d
1428944_at	-3.84	0.00056	0.00369	6.6	0.86	Uba6

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1435846_x_at	-3.84	0.00057	0.00372	4.73	0.95	NA
1423597_at	-3.84	0.00057	0.00372	4.43	1.09	Atp8a1
1441047_at	-3.84	0.00057	0.00372	2.64	0.55	Slc45a4
1451654_x_at	-3.84	0.00057	0.00372	8.22	0.81	Zfp825
1452472_at	-3.84	0.00057	0.00373	6.05	1.01	Rtp3
1458327_x_at	-3.84	0.00057	0.00373	8.45	0.68	Slc26a1
1424775_at	-3.84	0.00058	0.00375	4.88	1.03	Oas1g
1460631_at	-3.83	0.00058	0.00378	9.61	0.73	Ogt
1428585_at	-3.83	0.00058	0.00379	7.76	0.91	Actn1
1438549_a_at	-3.83	0.00058	0.0038	9.27	0.62	Srr
1438029_at	-3.83	0.00058	0.0038	6.1	1	4930535B03Rik
1439846_at	-3.83	0.00059	0.00384	5.02	1.08	Klf12
1436256_at	-3.83	0.00059	0.00384	7.61	0.95	Grpel2
1430623_s_at	-3.82	0.00059	0.00385	5.93	1.39	Obfc2a
1417620_at	-3.82	0.00059	0.00385	3.13	0.93	Rac2
1435574_at	-3.82	0.0006	0.00385	5.64	0.97	Chordc1
1418500_at	-3.82	0.0006	0.00387	3.97	0.81	Nap113
1437185_s_at	-3.82	0.0006	0.00388	10.56	0.78	Tmsb10
1423555_a_at	-3.82	0.00061	0.00391	4.57	1.32	Ifi44
1448770_a_at	-3.82	0.00061	0.00391	9.36	0.74	Atpif1
1424024_at	-3.81	0.00061	0.00392	12.13	0.5	Mcfcd2
1452771_s_at	-3.81	0.00061	0.00393	7.38	0.93	Acsl3
1437341_x_at	-3.81	0.00062	0.004	8.51	0.86	Cnp
1415950_a_at	-3.8	0.00063	0.00401	11.01	0.58	Pebp1
1450958_at	-3.8	0.00063	0.00402	8.42	0.85	Tm4sf1
1454973_at	-3.8	0.00063	0.00405	7.78	0.91	Atf7ip
1428707_at	-3.8	0.00064	0.00407	9.72	0.63	Ptms
1460684_at	-3.8	0.00064	0.00408	11.04	0.65	Tm7sf2
1434034_at	-3.8	0.00064	0.00409	3.59	0.76	Cerk
1424440_at	-3.79	0.00064	0.0041	5.76	0.93	Mrps6
1431566_at	-3.79	0.00065	0.0041	3.3	0.66	9030622O22Rik
1418480_at	-3.79	0.00065	0.00411	3.59	1.05	Ppbb
1436788_at	-3.79	0.00065	0.00411	7.31	0.77	Acp2
1444394_at	-3.79	0.00065	0.00411	3.46	0.65	Acad9
1417568_at	-3.79	0.00065	0.00413	7.29	1.05	Ncald
1433854_at	-3.79	0.00065	0.00413	6.03	1.11	Tmem164
1432026_a_at	-3.79	0.00065	0.00413	4.98	1.23	Herc5
1434465_x_at	-3.79	0.00066	0.00414	8.12	1.45	Vldlr
1416514_a_at	-3.79	0.00066	0.00415	8.26	0.93	Fscn1
1452374_at	-3.79	0.00066	0.00416	6.64	0.93	Zfp322a
1416376_at	-3.79	0.00066	0.00416	9.29	0.84	Tmem97
1419687_at	-3.78	0.00066	0.00417	8.67	0.68	Macrodl
1415906_at	-3.78	0.00066	0.00418	11.93	0.86	Tmsb4x
1437242_at	-3.78	0.00067	0.00419	3.47	0.62	Ttll12
1425993_a_at	-3.78	0.00068	0.00424	9.62	0.79	Hsph1
1450090_at	-3.78	0.00068	0.00424	5.22	1.08	Zfp101
1435668_at	-3.78	0.00068	0.00425	3.76	0.73	4932442K08Rik
1447500_at	-3.77	0.00068	0.00426	6.92	1.45	Cux2
1416749_at	-3.77	0.00069	0.00428	5	1.34	Htra1
1428367_at	-3.77	0.00069	0.00429	8.87	0.62	Ndst1
1430421_a_at	-3.77	0.00069	0.0043	11.89	0.5	Tmem205
1418337_at	-3.77	0.00069	0.00431	6.45	0.98	Rpia
1430513_at	-3.77	0.00069	0.00432	3.66	0.69	1700055N04Rik

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1457287_at	-3.77	0.00069	0.00432	7.77	0.73	NA
1448566_at	-3.77	0.0007	0.00433	10.7	0.63	Slc40a1
1422041_at	-3.76	0.0007	0.00435	5.12	1.17	Pilrb1
1441536_at	-3.76	0.0007	0.00435	3.59	0.91	Hmgcs1
1418461_at	-3.76	0.0007	0.00435	3.88	0.72	Sh3d19
1424867_a_at	-3.76	0.0007	0.00435	11.86	0.54	Glyat
1449905_at	-3.76	0.00072	0.00443	9.39	0.99	Clec4f
1434001_at	-3.76	0.00072	0.00443	8.11	0.74	Ttc9c
1416079_a_at	-3.75	0.00072	0.00446	8.98	0.58	Arpc1a
1416896_at	-3.75	0.00072	0.00447	4.72	0.98	Rps6ka1
1451825_a_at	-3.75	0.00073	0.00449	10.1	0.53	Copz1
1437756_at	-3.75	0.00073	0.00449	6.67	1.39	Gimap9
1421915_a_at	-3.75	0.00073	0.00449	5.62	1.04	St3gal3
1417784_at	-3.75	0.00073	0.00449	3.73	0.82	Als2
1436098_at	-3.75	0.00073	0.00449	10.79	0.54	Bche
1451161_a_at	-3.75	0.00074	0.00452	7.96	1.12	Emr1
1460177_at	-3.74	0.00074	0.00453	8.26	0.82	Cndp2
1455724_at	-3.74	0.00074	0.00455	3.5	0.64	NA
1416880_at	-3.74	0.00074	0.00456	9.69	0.72	Mcl1
1452676_a_at	-3.74	0.00075	0.00456	8.06	0.71	Pnpt1
1421487_a_at	-3.74	0.00075	0.00457	7.03	0.87	Nck1
1426133_a_at	-3.74	0.00075	0.00457	6.72	1.03	Mitd1
1423746_at	-3.74	0.00075	0.00457	9.87	0.63	Txndc5
1423458_at	-3.74	0.00076	0.00461	2.82	0.53	Slc35a5
1444439_at	-3.73	0.00076	0.00465	3.95	0.72	Bri3bp
1453300_at	-3.73	0.00077	0.00469	8.61	0.7	Slc35d2
1441960_x_at	-3.73	0.00078	0.00471	6.59	0.76	5730494M16Rik
1445271_at	-3.73	0.00078	0.00471	4.04	0.8	9230105E10Rik
1440795_x_at	-3.73	0.00078	0.00471	7.84	0.76	Rabep2
1425201_a_at	-3.72	0.00078	0.00472	7.62	0.8	Hyi
1418641_at	-3.72	0.00078	0.00473	4.62	1.14	Lcp2
1454075_s_at	-3.72	0.00079	0.00475	4.23	0.75	Nudt13
1452678_a_at	-3.72	0.00079	0.00475	7.75	1.02	Ccbl1
1427329_a_at	-3.72	0.0008	0.00481	8.91	1.38	Igh-6
1435382_at	-3.72	0.0008	0.00481	5.19	0.89	Ndn
1436562_at	-3.72	0.0008	0.00481	6.77	0.8	Ddx58
1437503_a_at	-3.72	0.0008	0.00481	10.59	0.73	Scotin
1448484_at	-3.71	0.00081	0.00487	9.16	0.66	Amd1
1447584_s_at	-3.71	0.00082	0.00488	4.24	0.88	Myct1
1419872_at	-3.71	0.00082	0.0049	10.76	0.98	Csf1r
1420653_at	-3.71	0.00082	0.0049	3.55	1	Tgfb1
1437910_at	-3.71	0.00082	0.00491	3.89	0.79	Tmem39b
1419582_at	-3.7	0.00082	0.00492	3.37	0.76	Cyp2c55
1421322_a_at	-3.7	0.00084	0.00499	7.14	1.23	Irf9
1441814_s_at	-3.7	0.00084	0.00499	7.73	0.75	Rpain
1455500_at	-3.7	0.00084	0.005	7.47	0.82	Rnf213
1450792_at	-3.7	0.00084	0.005	9.06	1.51	Tyrobp
1448823_at	-3.7	0.00084	0.005	10.66	0.53	Cxcl12
1439188_at	-3.7	0.00084	0.005	3.02	0.53	Cpsf6
1419091_a_at	-3.69	0.00086	0.00507	7.03	0.95	Anxa2
1435692_at	-3.69	0.00086	0.00507	5.51	1.09	Kctd21
1431722_a_at	-3.69	0.00086	0.00507	4.17	0.97	Afmid
1435328_at	-3.69	0.00086	0.00508	6.34	0.94	Cyhr1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1451548_at	-3.69	0.00086	0.00509	10.63	1.22	Upp2
1420915_at	-3.69	0.00086	0.00509	6.05	1.15	Stat1
1434631_at	-3.69	0.00086	0.00509	4.49	0.81	D3Erttd751e
1425365_a_at	-3.69	0.00087	0.0051	8.96	0.67	Cyp2d13
1431109_at	-3.69	0.00087	0.0051	7.51	0.81	Prr16
1441413_at	-3.69	0.00087	0.00511	5.09	0.9	Cat
1454736_at	-3.68	0.00087	0.00513	7.87	0.81	Ankrd57
1440769_at	-3.68	0.00088	0.00515	4.26	0.96	2010305A19Rik
1448369_at	-3.68	0.00088	0.00517	4.44	0.95	Pola2
1424969_s_at	-3.68	0.00088	0.00517	9.83	1.19	Upp2
1449139_at	-3.68	0.00089	0.0052	9.6	0.6	2310008M10Rik
1419972_at	-3.67	0.0009	0.00521	5.33	0.84	Slc35a5
1422001_at	-3.67	0.0009	0.00521	9.15	0.75	Inhbc
1423959_at	-3.67	0.0009	0.00521	6.23	1.13	Ropn1l
1460387_a_at	-3.67	0.0009	0.00523	6.09	0.98	Siae
1454638_a_at	-3.67	0.0009	0.00523	14.51	0.38	Pah
1421326_at	-3.67	0.0009	0.00524	4.13	1.38	Csf2rb
1428657_at	-3.67	0.00091	0.00525	10.23	0.59	Rreb1
1417773_at	-3.67	0.00091	0.00525	4.59	1.01	Nans
1433685_a_at	-3.67	0.00091	0.00527	8.64	0.68	6430706D22Rik
1455318_at	-3.67	0.00092	0.00529	4.31	1.35	Timd4
1450939_at	-3.67	0.00092	0.0053	2.73	0.82	Entpd1
1452261_at	-3.66	0.00092	0.00532	6.06	0.87	Shprh
1418825_at	-3.66	0.00093	0.00535	8.84	0.9	Irgm
1438389_x_at	-3.66	0.00093	0.00535	3.25	0.6	Acly
1460443_at	-3.66	0.00093	0.00537	3.5	0.61	Brms1l
1425687_at	-3.66	0.00094	0.00538	4.36	0.86	Cflar
1419738_a_at	-3.66	0.00094	0.0054	7.74	1.5	Tpm2
1416958_at	-3.66	0.00094	0.0054	11.16	0.55	Nr1d2
1417975_at	-3.66	0.00094	0.00541	4.05	0.75	Kpna4
1451627_a_at	-3.65	0.00095	0.00543	9.18	0.73	Slc1a2
1453757_at	-3.65	0.00095	0.00546	4.04	0.96	Herc5
1460454_at	-3.65	0.00095	0.00546	3.47	0.64	Glod5
1452257_at	-3.65	0.00096	0.00549	12.74	0.55	Bdh1
1430554_at	-3.65	0.00096	0.00549	4.06	0.8	Lrig3
1447643_x_at	-3.65	0.00096	0.00549	7.33	0.71	Snai2
1452883_a_at	-3.65	0.00096	0.00551	8.86	0.61	2310002J21Rik
1417498_at	-3.64	0.00097	0.00556	12.75	0.55	Serpinf2
1417582_s_at	-3.64	0.00097	0.00556	5.51	0.88	Dhodh
1452734_at	-3.64	0.00098	0.00556	12.42	0.44	Rnaset2a
1452761_a_at	-3.64	0.00098	0.00558	5.11	0.94	8430436O14Rik
1421411_at	-3.64	0.00098	0.0056	5.14	0.97	Pstpip2
1426780_at	-3.64	0.00098	0.0056	5.81	0.91	D14Erttd436e
1425436_x_at	-3.63	0.001	0.00567	2.8	0.63	Klra9
1433851_at	-3.63	0.001	0.00567	7.47	0.84	Ppp4r2
1450406_a_at	-3.63	0.00101	0.0057	8.84	0.68	St3gal3
1450660_at	-3.63	0.00101	0.00571	8.65	0.64	Pts
1435991_at	-3.63	0.00101	0.00571	6.02	0.93	Nr3c2
1417929_at	-3.63	0.00101	0.00573	3.54	0.78	Slc7a8
1423219_a_at	-3.63	0.00102	0.00574	7.08	0.83	Mrpl49
1459741_x_at	-3.63	0.00102	0.00574	4.27	0.98	Ucp2
1435520_at	-3.63	0.00102	0.00574	5.05	0.83	Msi2
1416248_at	-3.63	0.00102	0.00576	10.78	0.47	Nadk

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1455182_at	-3.63	0.00102	0.00576	4.3	0.86	Kif1b
1451973_at	-3.62	0.00103	0.0058	7.57	0.88	Uba5
1455994_x_at	-3.62	0.00103	0.00581	9.06	0.61	Elov11
1416261_at	-3.62	0.00103	0.00581	8.41	0.83	Tmem19
1448619_at	-3.62	0.00103	0.00582	8.73	0.96	Dhcr7
1433953_at	-3.62	0.00103	0.00582	8.84	0.58	Zfp277
1416083_at	-3.62	0.00104	0.00582	9.99	0.64	Zfand5
1419821_s_at	-3.62	0.00104	0.00585	12.4	0.51	Idh1
1435792_at	-3.62	0.00104	0.00585	6.74	1.28	Csprs
1439847_s_at	-3.62	0.00104	0.00585	9.22	0.85	Klf12
1448724_at	-3.62	0.00104	0.00585	5.36	0.96	Cish
1450629_at	-3.62	0.00104	0.00585	8.2	0.69	Lima1
1437156_at	-3.62	0.00105	0.00585	8.26	0.96	Necab1
1426293_at	-3.61	0.00105	0.00588	5.17	1.07	Zfp790
1437132_x_at	-3.61	0.00107	0.00597	6.76	1.22	Nedd9
1423556_at	-3.61	0.00107	0.00597	3.81	1.2	Akr1b7
1425712_at	-3.61	0.00107	0.00598	9.29	0.71	BC025446
1418697_at	-3.61	0.00108	0.00599	11.95	0.49	Inmt
1421108_at	-3.61	0.00108	0.00599	10.99	0.55	Cml2
1427301_at	-3.6	0.00109	0.00603	5.15	1.32	Cd48
1457034_at	-3.6	0.00109	0.00603	8	0.88	D14Abb1e
1436213_a_at	-3.6	0.0011	0.00611	4.9	0.85	1110028C15Rik
1423161_s_at	-3.6	0.00111	0.00612	5.4	0.81	Spred1
1426389_at	-3.59	0.00111	0.00615	7.36	0.89	Camk1d
1452395_at	-3.59	0.00112	0.00616	7.15	0.74	Med19
1445641_at	-3.59	0.00112	0.00619	3.11	0.9	Elov16
1437212_at	-3.59	0.00112	0.00619	4.12	0.96	Zfp420
1450455_s_at	-3.59	0.00112	0.00619	12.14	0.49	Akr1c12
1433838_at	-3.59	0.00113	0.00621	6.57	0.78	Dars2
1423695_at	-3.59	0.00114	0.00625	7.51	0.77	Edem2
1435271_at	-3.58	0.00114	0.00626	3.55	0.84	Irf3
1434245_a_at	-3.58	0.00114	0.00626	7.24	0.79	Cybasc3
1435829_at	-3.58	0.00114	0.00626	7.03	0.83	Zmat1
1417104_at	-3.58	0.00115	0.00629	3.04	0.65	Emp3
1426988_at	-3.58	0.00115	0.00629	5	0.96	Klhdc5
1449618_s_at	-3.58	0.00115	0.00629	6.89	0.93	2900092E17Rik
1439012_a_at	-3.58	0.00115	0.00631	7.71	0.86	Dck
1452008_at	-3.58	0.00116	0.00632	6.5	1.02	1810054D07Rik
1439302_at	-3.58	0.00116	0.00632	3.69	0.7	Uba6
1425719_a_at	-3.58	0.00116	0.00633	9.18	0.59	Nmi
1439293_at	-3.58	0.00116	0.00633	8.59	0.75	BC031353
1422978_at	-3.58	0.00117	0.00636	5.67	1.76	Cybb
1421191_s_at	-3.57	0.00117	0.00637	7.79	0.65	Gopc
1433827_at	-3.57	0.00117	0.00638	4.58	0.99	Atp8a1
1451255_at	-3.57	0.00118	0.00642	8.8	0.66	Lsr
1436585_at	-3.57	0.00119	0.00644	4.08	0.72	BB182297
1440522_at	-3.57	0.0012	0.00648	7.14	0.76	ENSMUSG00000073019
1455597_at	-3.57	0.0012	0.00648	7.77	0.61	Map3k2
1437380_x_at	-3.56	0.00121	0.00653	10.55	0.57	Pgd
1424134_at	-3.56	0.00121	0.00653	6.91	0.82	Rspry1
1442510_at	-3.56	0.00121	0.00653	7.94	0.75	5830473C10Rik
1424065_at	-3.56	0.00121	0.00653	10.4	0.54	Edem1
1420838_at	-3.56	0.00122	0.00655	5.11	1.06	Ntrk2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1424717_at	-3.56	0.00123	0.0066	6.21	0.91	Mis12
1429514_at	-3.56	0.00123	0.0066	11.79	0.51	Ppap2b
1423663_at	-3.56	0.00123	0.00661	6.02	1.01	Flcn
1433575_at	-3.55	0.00124	0.00663	7.42	0.77	NA
1435878_at	-3.55	0.00124	0.00664	5.91	0.88	Stk38l
1435237_at	-3.55	0.00124	0.00666	8.6	0.62	2310009A05Rik
1435381_at	-3.55	0.00125	0.00667	3.45	0.67	2610110G12Rik
1452560_a_at	-3.55	0.00125	0.00667	3.75	0.7	Nfya
1454748_at	-3.55	0.00125	0.00668	9.91	0.55	Naprt1
1422499_at	-3.55	0.00126	0.00672	7.31	0.75	Lima1
1424770_at	-3.55	0.00127	0.00675	10.8	0.49	Cald1
1448441_at	-3.54	0.00127	0.00677	3.94	0.69	Cks1b
1438971_x_at	-3.54	0.00128	0.0068	9.34	0.62	Ube2h
1429185_at	-3.54	0.00128	0.00681	7.24	0.92	4631416L12Rik
1456331_at	-3.54	0.00128	0.00681	4.61	1.02	9130023H24Rik
1455236_x_at	-3.54	0.00128	0.00683	11.31	0.53	Serf2
1443708_at	-3.54	0.00129	0.00683	3.26	0.54	BC068281
1426896_at	-3.54	0.00129	0.00683	4.23	0.9	Zfp191
1417531_at	-3.54	0.00129	0.00683	12.9	0.46	Cyp2j5
1423924_s_at	-3.54	0.00129	0.00685	6.02	0.85	Tspan14
1456103_at	-3.54	0.0013	0.00688	4.92	0.87	Pml
1450207_at	-3.54	0.0013	0.00688	3.81	1.52	Lifr
1451247_at	-3.54	0.0013	0.00688	8.94	0.66	Mfsd1
1418930_at	-3.54	0.0013	0.0069	5.16	1.11	Cxcl10
1435475_at	-3.53	0.00131	0.00692	6.95	0.77	Lman2l
1433843_at	-3.53	0.00131	0.00692	5.24	0.88	Hs1bp3
1456583_x_at	-3.53	0.00131	0.00694	3.58	0.64	Tmem144
1424080_at	-3.53	0.00132	0.00695	5.9	0.87	Dcps
1459929_at	-3.53	0.00132	0.00696	3.53	0.61	Zfp568
1452737_at	-3.53	0.00132	0.00697	10.17	0.58	2810008M24Rik
1428381_a_at	-3.53	0.00132	0.00697	10.16	0.53	2700038C09Rik
1448301_s_at	-3.53	0.00134	0.00703	6.72	1.17	Serpinb1a
1447830_s_at	-3.53	0.00134	0.00704	6.43	1.54	Rgs2
1448436_a_at	-3.53	0.00134	0.00704	7.39	1.07	Irf1
1425107_a_at	-3.52	0.00134	0.00704	10.92	1.59	Lifr
1427961_s_at	-3.52	0.00134	0.00704	12.44	0.44	Ugt2b34
1416735_at	-3.52	0.00134	0.00704	10.09	0.6	Asah1
1449933_a_at	-3.52	0.00134	0.00704	5.37	0.83	5730449L18Rik
1449024_a_at	-3.52	0.00135	0.00705	10.48	0.51	Hexa
1452090_a_at	-3.52	0.00135	0.00709	5.3	0.89	Olfm3
1439872_at	-3.52	0.00136	0.0071	3.4	1.12	NA
1416948_at	-3.52	0.00136	0.0071	9.63	0.58	Mrpl23
1424135_at	-3.52	0.00136	0.00712	8.27	0.73	Rspry1
1454558_at	-3.52	0.00137	0.00717	2.89	0.54	5430416B10Rik
1422445_at	-3.52	0.00138	0.00718	6.33	0.85	Itga6
1445379_at	-3.51	0.00138	0.00719	5.82	1.42	Atp11c
1450900_at	-3.51	0.00138	0.00719	9	0.54	Smek2
1422062_at	-3.51	0.00139	0.00721	4.55	1.42	Msr1
1418499_a_at	-3.51	0.00139	0.00721	3.9	0.77	Kcne3
1422925_s_at	-3.51	0.0014	0.00726	12.25	0.64	Acot3
1427496_at	-3.51	0.0014	0.00728	3.21	0.64	Cep152
1456656_at	-3.51	0.00141	0.00732	5.44	0.98	Lin7a
1437069_at	-3.5	0.00141	0.00733	8.25	0.78	Osbpl8

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1419873_s_at	-3.5	0.00142	0.00734	8.62	1.17	Csf1r
1454728_s_at	-3.5	0.00144	0.00743	5.16	1.21	Atp8a1
1422508_at	-3.5	0.00144	0.00744	9.21	0.61	Atp6v1a
1439144_at	-3.5	0.00144	0.00746	5.05	0.84	Cwf19l1
1450188_s_at	-3.5	0.00145	0.00746	4.61	0.93	Lipg
1421074_at	-3.49	0.00146	0.00749	10.13	0.94	Cyp7b1
1455595_at	-3.49	0.00146	0.00752	13.3	0.42	Ugt2b36
1423701_at	-3.49	0.00147	0.00754	10.58	0.48	Coasy
1426734_at	-3.49	0.00147	0.00754	4.87	0.81	BC022623
1435330_at	-3.49	0.00149	0.00763	3.89	0.98	Pyhin1
1426907_s_at	-3.48	0.00149	0.00763	3.95	0.74	Dhx57
1451141_at	-3.48	0.00149	0.00764	5.21	0.83	Mettl8
1457472_at	-3.48	0.0015	0.00768	3.85	0.71	Gigyf2
1428625_a_at	-3.48	0.00151	0.0077	7.33	0.69	Rmi1
1417974_at	-3.48	0.00152	0.00774	9.17	0.61	Kpna4
1442100_at	-3.48	0.00152	0.00775	3.66	0.66	Inpp5f
1452893_s_at	-3.48	0.00153	0.00778	5.93	1.35	2310040A07Rik
1417846_at	-3.48	0.00153	0.00778	7.96	0.73	Ulk2
1420727_a_at	-3.47	0.00153	0.00779	6.95	0.78	Tmlhe
1418240_at	-3.47	0.00154	0.00779	6.8	1.19	Gbp2
1424245_at	-3.47	0.00154	0.00779	8.42	1.22	Ces2
1438028_at	-3.47	0.00154	0.0078	4.95	0.9	4930535B03Rik
1452050_at	-3.47	0.00154	0.00781	9.25	0.66	Camk1d
1454268_a_at	-3.47	0.00155	0.00782	7.04	1.47	Cyba
1417651_at	-3.47	0.00156	0.00786	13.52	0.43	Cyp2c29
1448390_a_at	-3.46	0.00158	0.00798	10.97	0.51	Dhrs3
1430650_at	-3.46	0.00159	0.008	3.78	0.71	Zfp191
1437207_at	-3.46	0.00159	0.00801	6.84	0.95	Rnf170
1427076_at	-3.46	0.00159	0.00802	10.27	0.86	Mpeg1
1416113_at	-3.46	0.0016	0.00803	9.1	0.58	Fkbp8
1433806_x_at	-3.46	0.0016	0.00803	11.34	0.57	Calr
1435905_at	-3.46	0.0016	0.00803	3.11	0.55	D3Erttd300e
1438547_x_at	-3.46	0.0016	0.00803	9.08	0.64	Tor2a
1426292_at	-3.46	0.0016	0.00805	4.38	0.92	Zfp790
1458314_at	-3.46	0.0016	0.00805	4.93	1.01	Slc1a2
1429299_at	-3.46	0.00161	0.00807	7.1	0.86	Ddah1
1431609_a_at	-3.46	0.00161	0.00808	10.48	0.52	Acp5
1440006_at	-3.46	0.00161	0.00808	3.11	0.57	BC026600
1428851_at	-3.45	0.00162	0.00812	9.65	0.56	1300014I06Rik
1418474_at	-3.45	0.00163	0.00814	5.04	0.77	1500005A01Rik
1418547_at	-3.45	0.00163	0.00815	11.25	0.52	Tfpi2
1437892_at	-3.45	0.00163	0.00815	7.79	0.89	Zkscan3
1456174_x_at	-3.45	0.00163	0.00816	8.81	0.71	Ndrp1
1451330_a_at	-3.45	0.00165	0.00823	9.64	0.53	Inpp5b
1422072_a_at	-3.45	0.00165	0.00823	7.36	0.99	Gstm6
1456563_at	-3.45	0.00166	0.00826	4.14	0.83	4933429F08Rik
1434170_at	-3.44	0.00167	0.00828	4.89	0.9	Wdr40b
1452877_at	-3.44	0.00167	0.00828	6.65	0.77	2700029M09Rik
1438930_s_at	-3.44	0.00167	0.0083	3.63	0.64	Mecp2
1416181_at	-3.44	0.00167	0.0083	9.26	0.61	Mesdc2
1428325_at	-3.44	0.00168	0.0083	5.6	0.87	Cnpy4
1444314_at	-3.44	0.00168	0.0083	3.38	0.59	Rbm4b
1450714_at	-3.44	0.00168	0.0083	9.98	0.5	Azin1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1416768_at	-3.44	0.00168	0.00831	10.1	0.49	1110003E01Rik
1425676_a_at	-3.44	0.00168	0.00831	7.38	0.72	Elovl1
1419504_at	-3.44	0.00168	0.00832	2.94	0.67	Mogat1
1449195_s_at	-3.44	0.00169	0.00836	5.35	1.04	Cxcl16
1440384_at	-3.44	0.0017	0.00837	3.94	0.66	Tmcc1
1456530_x_at	-3.43	0.00172	0.00846	8.56	0.67	Elovl1
1454798_at	-3.43	0.00173	0.00853	4.1	0.71	Rbm15b
1428190_at	-3.43	0.00173	0.00853	10.21	0.53	Slc25a1
1417374_at	-3.43	0.00174	0.00856	11.23	0.5	Tuba4a
1427428_at	-3.43	0.00174	0.00856	10.12	0.74	Clec4g
1454964_at	-3.43	0.00174	0.00856	5.6	0.88	BC021395
1424308_at	-3.42	0.00175	0.00861	3.68	1.49	Slc24a3
1416223_at	-3.42	0.00176	0.00863	5.22	0.97	Sh3bp5l
1443838_x_at	-3.42	0.00177	0.00868	8.64	0.75	Fads2
1442436_at	-3.42	0.00178	0.00869	3.22	0.57	Fn3k
1437226_x_at	-3.42	0.00178	0.00869	7.95	0.88	Marcks1l
1424769_s_at	-3.42	0.00178	0.0087	12.82	0.44	Cald1
1428547_at	-3.42	0.00179	0.00873	10.51	0.55	Nt5e
1422962_a_at	-3.42	0.00179	0.00873	8.54	0.93	Psmb8
1435806_at	-3.42	0.00179	0.00873	3.65	0.65	D530033C11Rik
1417142_at	-3.42	0.00179	0.00873	4.57	0.88	4932442K08Rik
1428416_at	-3.42	0.00179	0.00873	4.17	0.76	3110050N22Rik
1424483_at	-3.42	0.0018	0.00876	6.83	0.84	Mobkl1b
1449374_at	-3.41	0.0018	0.00877	10.55	0.5	Pipox
1438007_at	-3.41	0.0018	0.00877	8.74	1.57	AI851790
1430135_at	-3.41	0.00181	0.0088	6.33	0.81	Dnase2a
1450699_at	-3.41	0.00181	0.0088	11.62	0.51	Selenbp1
1431936_a_at	-3.41	0.00182	0.00882	3.16	0.53	Neu2
1424821_at	-3.41	0.00183	0.00887	13.06	0.43	Ndfip1
1455166_at	-3.41	0.00183	0.00889	8.83	0.67	Arl5b
1437687_x_at	-3.41	0.00183	0.00889	10.42	0.49	Fkbp9
1422812_at	-3.41	0.00183	0.00889	3.63	0.74	Cxcr6
1448513_a_at	-3.41	0.00184	0.00892	10.87	0.46	Npc2
1442648_at	-3.4	0.00185	0.00895	2.62	0.5	Zfp563
1444691_at	-3.4	0.00185	0.00897	10.41	0.8	Prkd3
1434577_at	-3.4	0.00185	0.00897	6.1	0.94	BC052040
1437868_at	-3.4	0.00185	0.00897	7.29	1.26	BC023892
1449341_a_at	-3.4	0.00186	0.00897	4.89	0.84	Stom
1416662_at	-3.4	0.00186	0.00897	11.31	0.55	Sardh
1422818_at	-3.4	0.00186	0.00901	7.01	1.05	Nedd9
1423549_at	-3.4	0.00187	0.00901	2.68	0.51	Slc1a4
1419655_at	-3.4	0.00187	0.00904	4.64	0.81	Tle3
1433529_at	-3.4	0.00188	0.00906	5.54	0.82	E430002G05Rik
1435967_s_at	-3.4	0.00189	0.00908	12.28	0.45	Hibadh
1437811_x_at	-3.4	0.00189	0.00908	3.91	0.78	NA
1439787_at	-3.39	0.0019	0.00913	3.33	0.71	P2rx7
1435389_at	-3.39	0.00191	0.00919	8.02	0.7	Reps2
1422771_at	-3.39	0.00191	0.00919	6.66	0.84	Smad6
1423879_at	-3.39	0.00192	0.00919	5.58	0.87	D030056L22Rik
1453540_at	-3.39	0.00192	0.0092	3.72	0.61	5430404G13Rik
1436436_at	-3.39	0.00192	0.00922	3.24	0.56	Cnih4
1451493_at	-3.39	0.00193	0.00922	11.2	0.47	Ndfip1
1457671_at	-3.39	0.00193	0.00922	4.54	0.98	9330120H11Rik

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1451475_at	-3.39	0.00193	0.00922	6.01	0.82	Plxnd1
1453422_a_at	-3.39	0.00193	0.00922	9.3	0.56	1110020G09Rik
1429954_at	-3.39	0.00193	0.00922	5.9	1.56	Clec4a3
1424108_at	-3.39	0.00194	0.00926	10.85	0.48	Glo1
1453668_at	-3.38	0.00195	0.00931	3.23	0.6	3110052M02Rik
1438176_x_at	-3.38	0.00195	0.00933	10.92	0.46	1110031B06Rik
1453212_at	-3.38	0.00196	0.00936	5.15	0.8	Zfp383
1425079_at	-3.38	0.00197	0.00936	9.09	0.56	Tm6sf2
1424299_at	-3.38	0.00197	0.00936	7.94	0.68	Oma1
1419564_at	-3.38	0.00197	0.00937	4.19	0.74	Zfp467
1416119_at	-3.38	0.00197	0.00937	12.87	0.43	Txn1
1440085_at	-3.37	0.002	0.00948	2.83	0.53	Eda2r
1424794_at	-3.37	0.002	0.00949	4.07	1.1	Rnf186
1458439_a_at	-3.37	0.002	0.00949	3.82	0.72	Dzip3
1416607_at	-3.37	0.00201	0.00951	12.52	0.45	4931406C07Rik
1419259_at	-3.37	0.00201	0.00951	7.67	0.67	Rsu1
1445657_at	-3.37	0.00201	0.00951	6.86	0.83	AW111846
1428418_s_at	-3.37	0.00202	0.00952	4.97	0.88	3110050N22Rik
1455792_x_at	-3.37	0.00202	0.00952	3.9	0.91	Ndn
1439096_at	-3.37	0.00202	0.00952	7.73	0.69	Ddo
1458882_at	-3.37	0.00202	0.00955	4.51	0.84	Serpib8
1457644_s_at	-3.37	0.00202	0.00955	6.05	0.82	Cxcl1
1437086_at	-3.37	0.00203	0.00956	4.25	3.28	Ascl1
1416127_a_at	-3.37	0.00203	0.00958	9.93	0.5	Dnpep
1425057_at	-3.37	0.00204	0.00962	10.96	0.49	Pbld
1417075_at	-3.36	0.00206	0.0097	10.35	0.48	2010309E21Rik
1427762_x_at	-3.36	0.00207	0.00971	3.82	0.59	Hist1h2bp
1417255_at	-3.36	0.00207	0.00971	4.64	0.81	Ift140
1448923_at	-3.36	0.00208	0.00975	7.89	0.7	Prkra
1436736_x_at	-3.36	0.00209	0.00981	7.88	0.97	D0H4S114
1452733_at	-3.36	0.00209	0.00982	7.79	0.59	Rnf24
1436308_at	-3.36	0.0021	0.00985	6.96	0.77	Zfp292
1421212_at	-3.35	0.00211	0.00987	8.79	0.61	Abcc6
1424504_at	-3.35	0.00212	0.00993	4.28	0.73	Rab22a
1456537_at	-3.35	0.00214	0.00999	3.27	0.84	A930033H14Rik

Table S2b. Footnote

Gene lists were generated using the Cyber-T method, with only genes with a *q*-value < 0.01 presented.

¹ *Probe* represents the Affymetrix probe set identifier.

² *t* represents the t-statistic output from the Cyber-T method.

³ *Mean* represents the mean expression signal after normalization.

⁴ *FC* represents the log₂ fold change in normalized signals.

Table S3a. Genes upregulated in muscle of *S6K^{-/-}* mice compared to wild type mice.

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1443621_at	15.75	1.00E-17	1.22E-13	5.08	3.47	Xaf1
1433675_at	14.97	4.92E-17	2.86E-13	9.24	2.35	Snord22
1439399_a_at	14.80	7.06E-17	2.86E-13	10.91	2.07	Snhg1
1428942_at	12.61	9.01E-15	2.49E-11	9.81	3.15	Mt2
1422557_s_at	12.56	1.02E-14	2.49E-11	10.53	3.11	Mt1
1447936_at	12.26	2.04E-14	4.14E-11	9.72	2.56	2410006H16Rik
1433674_a_at	12.05	3.41E-14	5.91E-11	9.56	2.37	Snord22
1416067_at	11.87	5.26E-14	6.67E-11	11.30	1.61	Ifrd1
1423233_at	11.82	5.98E-14	6.67E-11	11.72	2.39	Cebpd
1436040_at	11.81	6.04E-14	6.67E-11	8.16	2.59	LOC100039864
1444128_at	11.50	1.31E-13	1.32E-10	7.38	3.01	Arhgap26
1430147_a_at	11.44	1.51E-13	1.41E-10	7.60	2.34	Josd3
1419248_at	11.15	3.17E-13	2.75E-10	8.98	2.15	Rgs2
1443116_at	11.11	3.49E-13	2.82E-10	6.96	2.81	Psmc4
1426446_at	10.96	5.03E-13	3.62E-10	6.72	2.45	6430548M08Rik
1434202_a_at	10.96	5.06E-13	3.62E-10	7.80	2.55	BC055107
1430271_x_at	10.54	1.48E-12	9.99E-10	8.33	1.96	Josd3
1453344_at	10.47	1.79E-12	1.14E-09	4.82	2.80	1810032O08Rik
1459887_at	10.34	2.53E-12	1.53E-09	6.47	2.90	Ube4a
1418589_a_at	10.29	2.84E-12	1.64E-09	12.07	1.15	Mif1
1452096_s_at	10.00	6.16E-12	3.12E-09	10.07	2.30	D230025D16Rik
1428588_a_at	9.94	7.37E-12	3.58E-09	10.52	1.36	Mrpl41
1416983_s_at	9.87	8.89E-12	4.15E-09	9.95	2.20	Foxo1
1428529_at	9.85	9.29E-12	4.18E-09	8.63	1.87	2810026P18Rik
1418932_at	9.83	9.88E-12	4.28E-09	8.26	2.68	Nfil3
1457321_at	9.81	1.03E-11	4.33E-09	6.77	3.31	D130037M23Rik
1447830_s_at	9.67	1.52E-11	6.14E-09	8.51	2.20	Rgs2
1438059_at	9.58	1.93E-11	7.55E-09	11.47	1.35	1700011I03Rik
1425514_at	9.50	2.42E-11	9.19E-09	8.92	2.25	Pik3r1
1448181_at	9.48	2.54E-11	9.33E-09	10.05	1.50	Klf15
1424638_at	9.45	2.73E-11	9.76E-09	10.24	1.72	Cdkn1a
1453435_a_at	9.40	3.15E-11	1.06E-08	9.20	1.45	Fmo2
1456341_a_at	9.40	3.15E-11	1.06E-08	13.72	0.81	Klf9
1426521_at	9.39	3.22E-11	1.06E-08	10.33	1.89	D230025D16Rik
1438798_at	9.33	3.80E-11	1.21E-08	10.22	1.59	4931406P16Rik
1441649_at	9.32	3.91E-11	1.22E-08	5.73	2.48	Sesn1
1416749_at	9.29	4.26E-11	1.29E-08	10.29	1.41	Htra1
1449109_at	9.24	4.86E-11	1.37E-08	9.48	1.61	Socs2
1427131_s_at	9.23	4.98E-11	1.37E-08	11.91	1.60	Lrrc58
1454703_x_at	9.23	5.07E-11	1.37E-08	5.30	1.93	Snhg1
1416981_at	9.22	5.20E-11	1.37E-08	9.28	2.32	Foxo1
1426236_a_at	9.20	5.53E-11	1.42E-08	13.33	1.29	Glul
1428589_at	9.19	5.60E-11	1.42E-08	9.72	1.32	Mrpl41
1433993_at	9.18	5.88E-11	1.46E-08	9.95	1.38	4931406P16Rik
1415927_at	9.14	6.48E-11	1.54E-08	12.68	1.26	Actc1
1422470_at	9.12	6.80E-11	1.59E-08	13.26	0.73	Bnip3
1452534_a_at	9.10	7.25E-11	1.64E-08	8.34	1.70	Hmgb2
1444746_at	9.10	7.28E-11	1.64E-08	6.89	1.76	Ptbp2
1422905_s_at	9.08	7.70E-11	1.64E-08	8.30	1.65	Fmo2
1418507_s_at	9.08	7.76E-11	1.64E-08	9.49	1.67	Socs2
1442714_at	9.08	7.77E-11	1.64E-08	4.92	2.33	D130037M23Rik

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1452418_at	9.07	7.82E-11	1.64E-08	8.39	2.14	1200016E24Rik
1419291_x_at	9.03	8.88E-11	1.83E-08	10.92	1.07	Gas5
1423086_at	9.00	9.67E-11	1.96E-08	9.63	1.98	Npc1
1417929_at	8.96	1.07E-10	2.14E-08	5.72	1.99	Slc7a8
1427638_at	8.95	1.10E-10	2.16E-08	9.21	1.44	Zbtb16
1422788_at	8.93	1.17E-10	2.20E-08	8.92	1.41	Slc43a3
1457110_at	8.93	1.18E-10	2.20E-08	4.95	3.47	Pank1
1454699_at	8.92	1.19E-10	2.20E-08	11.59	2.04	Sesn1
1440506_at	8.92	1.21E-10	2.20E-08	9.70	2.77	Slc7a2
1433717_at	8.92	1.22E-10	2.20E-08	9.77	1.53	D19Wsu162e
1446148_x_at	8.90	1.27E-10	2.27E-08	7.56	1.74	NA
1453287_at	8.89	1.29E-10	2.27E-08	8.48	1.84	5730557B15Rik
1420150_at	8.88	1.34E-10	2.28E-08	9.09	1.90	Spsb1
1444376_at	8.87	1.40E-10	2.36E-08	4.10	2.04	Sesn1
1442744_at	8.81	1.65E-10	2.73E-08	8.10	1.62	NA
1457801_at	8.80	1.66E-10	2.73E-08	5.97	2.45	9930024M15Rik
1433711_s_at	8.78	1.79E-10	2.86E-08	10.85	2.34	Sesn1
1438385_s_at	8.78	1.79E-10	2.86E-08	12.69	0.86	Gpt2
1457117_at	8.74	1.98E-10	3.09E-08	5.07	3.62	Nfe2l2
1455418_at	8.73	2.05E-10	3.15E-08	11.41	1.46	NA
1416926_at	8.73	2.07E-10	3.15E-08	10.47	1.51	Trp53inp1
1419301_at	8.71	2.17E-10	3.26E-08	10.19	1.19	Fzd4
1444722_at	8.70	2.24E-10	3.31E-08	5.06	2.19	NA
1453410_at	8.66	2.49E-10	3.65E-08	4.34	3.01	Angptl4
1428288_at	8.62	2.77E-10	4.01E-08	13.30	0.73	2310051E17Rik
1415994_at	8.62	2.83E-10	4.04E-08	10.66	2.57	Cyp2e1
1452416_at	8.61	2.88E-10	4.07E-08	7.35	2.87	Il6ra
1421679_a_at	8.59	3.07E-10	4.28E-08	6.29	2.24	Cdkn1a
1433634_at	8.58	3.17E-10	4.37E-08	9.79	1.64	Irf2bp2
1450505_a_at	8.57	3.22E-10	4.40E-08	11.52	1.62	1810015C04Rik
1449410_a_at	8.51	3.81E-10	5.14E-08	10.59	1.12	Gas5
1430020_x_at	8.46	4.37E-10	5.83E-08	10.20	1.21	Hnrnpa1
1438931_s_at	8.46	4.45E-10	5.84E-08	12.13	1.66	Sesn1
1427540_at	8.46	4.47E-10	5.84E-08	4.64	2.20	Zwint
1436871_at	8.45	4.62E-10	5.97E-08	7.39	1.97	Sfrs7
1428289_at	8.43	4.89E-10	6.25E-08	12.90	0.83	2310051E17Rik
1438682_at	8.42	5.02E-10	6.34E-08	9.56	1.58	Pik3r1
1455773_at	8.39	5.38E-10	6.73E-08	9.12	1.52	NA
1446626_at	8.37	5.73E-10	7.10E-08	5.72	1.96	D16H22S680E
1446147_at	8.36	5.84E-10	7.17E-08	8.01	1.52	NA
1436763_a_at	8.31	6.79E-10	8.12E-08	10.23	1.24	Klf9
1419247_at	8.31	6.87E-10	8.12E-08	6.93	2.08	Rgs2
1457639_at	8.31	6.89E-10	8.12E-08	6.93	2.26	Atp6v1h
1416617_at	8.28	7.37E-10	8.61E-08	9.46	1.40	Accs1
1437658_a_at	8.26	7.87E-10	9.10E-08	5.38	1.80	Snord22
1439949_at	8.26	7.98E-10	9.14E-08	4.83	2.01	Gsk3b
1435459_at	8.25	8.07E-10	9.15E-08	8.58	1.70	Fmo2
1439484_at	8.18	9.97E-10	1.10E-07	11.86	0.94	Pde7a
1416982_at	8.17	1.03E-09	1.13E-07	8.61	2.48	Foxo1
1436913_at	8.16	1.05E-09	1.14E-07	8.91	1.22	Cdc14a
1422573_at	8.15	1.09E-09	1.17E-07	11.31	1.60	Ampd3
1425529_s_at	8.14	1.11E-09	1.18E-07	9.21	1.45	D19Wsu162e
1430019_a_at	8.13	1.16E-09	1.22E-07	11.34	1.07	Hnrnpa1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1447839_x_at	8.07	1.35E-09	1.40E-07	4.25	1.80	Adm
1427539_a_at	8.06	1.39E-09	1.43E-07	7.47	1.77	Zwint
1436549_a_at	8.06	1.40E-09	1.43E-07	10.22	1.15	Hnrnpa1
1440104_at	8.05	1.43E-09	1.44E-07	6.28	1.79	Ranbp2
1448325_at	8.05	1.43E-09	1.44E-07	9.25	1.42	Myd116
1435928_at	8.04	1.51E-09	1.50E-07	6.66	1.85	6430548M08Rik
1444018_at	8.02	1.57E-09	1.55E-07	6.16	1.82	B930098A02Rik
1442745_x_at	8.02	1.60E-09	1.56E-07	8.50	1.39	NA
1423622_a_at	8.00	1.66E-09	1.61E-07	8.78	1.29	Ccn1
1441765_at	8.00	1.67E-09	1.61E-07	8.79	1.92	NA
1438251_x_at	7.99	1.73E-09	1.64E-07	9.52	1.31	Htra1
1438039_at	7.99	1.73E-09	1.64E-07	8.98	1.35	Hectd1
1444195_at	7.98	1.80E-09	1.68E-07	5.43	1.86	Rmnd5a
1438398_at	7.98	1.80E-09	1.68E-07	8.69	1.51	Rbm39
1440417_at	7.96	1.91E-09	1.77E-07	5.80	1.66	D19Erttd409e
1423172_at	7.95	1.93E-09	1.77E-07	9.15	1.28	Napb
1455904_at	7.95	1.94E-09	1.77E-07	8.35	1.48	Gas5
1447227_at	7.95	1.97E-09	1.78E-07	5.44	2.99	Slc40a1
1459170_at	7.90	2.24E-09	2.01E-07	6.00	2.14	Foxo1
1438420_at	7.89	2.32E-09	2.07E-07	10.50	1.02	Rbm39
1420664_s_at	7.88	2.37E-09	2.10E-07	9.06	1.16	Procr
1436222_at	7.85	2.59E-09	2.28E-07	7.54	1.51	Gas5
1444564_at	7.85	2.62E-09	2.29E-07	7.98	1.95	Apod
1416923_a_at	7.79	3.12E-09	2.69E-07	10.20	1.04	Bnip3l
1434465_x_at	7.74	3.65E-09	3.10E-07	12.54	0.84	Vldlr
1439163_at	7.73	3.69E-09	3.10E-07	10.88	1.37	Zbtb16
1435872_at	7.73	3.75E-09	3.10E-07	9.76	1.47	Pim1
1445263_at	7.72	3.77E-09	3.10E-07	7.23	1.73	NA
1438459_x_at	7.72	3.78E-09	3.10E-07	9.52	1.12	Sfpq
1429050_at	7.69	4.16E-09	3.39E-07	9.05	1.15	Chic2
1433795_at	7.67	4.37E-09	3.53E-07	10.61	1.05	Tgfbr3
1434424_at	7.67	4.47E-09	3.60E-07	10.69	1.00	Flvcr1
1416927_at	7.66	4.58E-09	3.65E-07	6.49	2.28	Trp53inp1
1436033_at	7.62	5.14E-09	4.06E-07	10.06	1.13	BC031353
1440225_at	7.62	5.20E-09	4.08E-07	8.49	1.26	Gpr116
1438992_x_at	7.61	5.28E-09	4.09E-07	10.56	0.94	Atf4
1442026_at	7.61	5.29E-09	4.09E-07	8.17	1.40	NA
1447923_at	7.60	5.48E-09	4.21E-07	9.82	1.21	1810026B05Rik
1440533_at	7.57	5.97E-09	4.54E-07	5.41	1.85	Bfar
1436325_at	7.57	5.98E-09	4.54E-07	10.28	1.11	Rora
1416125_at	7.54	6.60E-09	4.98E-07	11.09	1.56	Fkbp5
1452082_at	7.53	6.73E-09	5.04E-07	5.11	1.79	6430548M08Rik
1416250_at	7.52	6.81E-09	5.07E-07	7.75	2.37	Btg2
1458218_s_at	7.52	6.94E-09	5.14E-07	12.00	0.84	Pde7a
1423314_s_at	7.51	7.09E-09	5.17E-07	10.87	1.03	Pde7a
1449752_at	7.51	7.11E-09	5.17E-07	4.29	1.68	Spsb1
1436202_at	7.50	7.23E-09	5.21E-07	11.11	1.29	NA
1436650_at	7.49	7.50E-09	5.35E-07	9.50	1.57	Filip1
1442169_at	7.49	7.58E-09	5.38E-07	9.58	1.08	Vldlr
1434542_at	7.48	7.76E-09	5.48E-07	10.56	0.98	Gpt2
1456717_at	7.44	8.71E-09	6.11E-07	4.43	2.21	Tead1
1434505_a_at	7.42	9.22E-09	6.43E-07	4.97	1.63	6430548M08Rik
1422264_s_at	7.40	9.75E-09	6.72E-07	11.52	0.96	Klf9

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1435694_at	7.40	9.86E-09	6.73E-07	8.22	2.50	Arhgap26
1435084_at	7.39	1.03E-08	6.95E-07	9.13	1.33	C730049O14Rik
1429235_at	7.37	1.06E-08	7.14E-07	7.12	1.88	Galntl2
1424457_at	7.35	1.14E-08	7.62E-07	5.75	1.61	Apbb3
1443673_x_at	7.35	1.16E-08	7.70E-07	5.71	2.06	NA
1427844_a_at	7.34	1.17E-08	7.71E-07	8.48	1.43	Cebpb
1448747_at	7.34	1.17E-08	7.71E-07	13.67	1.03	Fbxo32
1455305_x_at	7.33	1.20E-08	7.86E-07	10.59	0.95	Hnrnpa1
1454635_at	7.32	1.25E-08	8.13E-07	10.95	0.94	Fbxl3
1419754_at	7.31	1.28E-08	8.25E-07	7.61	1.68	Myo5a
1437313_x_at	7.31	1.30E-08	8.37E-07	8.50	1.31	Hmgb2
1427932_s_at	7.30	1.35E-08	8.61E-07	11.14	1.41	1200016E24Rik
1438458_a_at	7.29	1.37E-08	8.71E-07	10.14	0.99	Sfpq
1428306_at	7.29	1.39E-08	8.78E-07	10.46	2.34	Ddit4
1440365_at	7.26	1.48E-08	9.29E-07	6.45	2.67	Actb
1416077_at	7.25	1.53E-08	9.55E-07	5.99	2.00	Adm
1423313_at	7.23	1.64E-08	1.01E-06	9.93	1.09	Pde7a
1444749_at	7.22	1.67E-08	1.03E-06	5.36	2.37	NA
1417562_at	7.20	1.78E-08	1.08E-06	11.39	1.57	Eif4ebp1
1418901_at	7.16	2.00E-08	1.21E-06	11.19	1.12	Cebpb
1430476_at	7.16	2.01E-08	1.21E-06	4.72	1.60	Srp54b
1418135_at	7.16	2.02E-08	1.22E-06	9.51	1.22	Aff1
1427200_at	7.15	2.09E-08	1.25E-06	11.58	1.05	Zranb1
1458268_s_at	7.15	2.11E-08	1.25E-06	7.91	1.74	Igfbp3
1427035_at	7.12	2.26E-08	1.33E-06	7.17	2.58	Slc39a14
1451069_at	7.12	2.31E-08	1.35E-06	8.51	1.59	Pim3
1418990_at	7.11	2.35E-08	1.36E-06	9.94	1.01	Ms4a4d
1450933_at	7.11	2.36E-08	1.36E-06	11.51	0.90	Pde7a
1435704_at	7.10	2.42E-08	1.39E-06	4.97	1.59	C920006O11Rik
1428011_a_at	7.09	2.50E-08	1.43E-06	11.85	0.90	Erbp2ip
1442025_a_at	7.09	2.52E-08	1.44E-06	10.46	1.31	NA
1437129_at	7.08	2.55E-08	1.44E-06	6.04	1.89	E330018D03Rik
1418091_at	7.08	2.56E-08	1.44E-06	5.71	1.93	Tcfcp2l1
1440488_at	7.08	2.57E-08	1.44E-06	5.97	1.65	NA
1423173_at	7.06	2.77E-08	1.55E-06	8.38	1.46	Napb
1440831_at	7.05	2.79E-08	1.55E-06	11.00	0.86	Bach1
1438041_at	7.05	2.83E-08	1.57E-06	10.68	1.06	NA
1435943_at	7.05	2.86E-08	1.58E-06	8.22	1.37	Dpep1
1452349_x_at	7.04	2.92E-08	1.60E-06	10.31	1.06	Ifi205
1437230_at	7.04	2.94E-08	1.60E-06	6.26	1.92	Kcna1
1425281_a_at	7.03	2.96E-08	1.60E-06	12.30	0.93	Tsc22d3
1433148_at	7.03	2.98E-08	1.61E-06	4.18	1.44	4930513N20Rik
1425515_at	7.03	3.01E-08	1.62E-06	7.82	1.56	Pik3r1
1428255_at	7.02	3.08E-08	1.65E-06	6.01	1.63	Luc7l
1429251_at	7.02	3.10E-08	1.65E-06	9.15	1.18	Prdm2
1428071_at	7.01	3.23E-08	1.71E-06	10.73	1.04	1110038D17Rik
1453255_at	7.00	3.26E-08	1.71E-06	8.89	2.55	Slc43a1
1455785_at	6.99	3.34E-08	1.74E-06	6.63	1.86	Kcna1
1441519_at	6.99	3.34E-08	1.74E-06	4.20	1.37	Nid1
1439293_at	6.99	3.39E-08	1.76E-06	9.28	1.01	BC031353
1455007_s_at	6.97	3.55E-08	1.83E-06	12.06	0.81	Gpt2
1431158_at	6.97	3.56E-08	1.83E-06	7.47	1.37	8430406H22Rik
1448234_at	6.97	3.56E-08	1.83E-06	10.56	1.03	Dnajb6

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1416418_at	6.97	3.60E-08	1.83E-06	11.41	1.36	Gabarapl1
1419994_s_at	6.96	3.76E-08	1.91E-06	10.12	0.93	D10Ertd641e
1433994_at	6.95	3.78E-08	1.91E-06	8.82	1.21	4931406P16Rik
1435344_at	6.95	3.87E-08	1.94E-06	10.36	1.04	1110029I05Rik
1448382_at	6.94	3.89E-08	1.94E-06	8.37	1.39	Ehhadh
1440007_at	6.94	3.96E-08	1.97E-06	8.95	1.16	Slc43a1
1439050_at	6.94	3.98E-08	1.97E-06	7.02	1.81	NA
1416419_s_at	6.92	4.21E-08	2.08E-06	11.68	1.43	Gabarapl1
1426607_at	6.90	4.38E-08	2.15E-06	9.63	0.96	EG633640
1437100_x_at	6.90	4.43E-08	2.16E-06	10.80	1.24	Pim3
1449338_at	6.90	4.44E-08	2.16E-06	10.79	0.82	D10Ertd641e
1431028_a_at	6.90	4.51E-08	2.19E-06	9.27	1.46	Pank1
1434976_x_at	6.89	4.53E-08	2.19E-06	11.57	1.42	Eif4ebp1
1436027_at	6.89	4.59E-08	2.20E-06	9.66	1.16	Osbpl11
1433725_at	6.89	4.59E-08	2.20E-06	10.17	0.92	Acvr1b
1417275_at	6.87	4.87E-08	2.33E-06	6.76	1.76	Mal
1456228_x_at	6.86	4.95E-08	2.36E-06	9.69	1.17	Mbp
1420502_at	6.85	5.21E-08	2.47E-06	9.74	0.90	Sat1
1439795_at	6.85	5.22E-08	2.47E-06	5.18	2.12	Gpr64
1415996_at	6.84	5.31E-08	2.49E-06	13.88	0.68	Txnip
1448306_at	6.84	5.31E-08	2.49E-06	9.19	1.34	Nfkbia
1436326_at	6.84	5.34E-08	2.49E-06	10.96	0.92	Rora
1415712_at	6.83	5.55E-08	2.57E-06	10.93	1.04	Zranb1
1434203_at	6.82	5.58E-08	2.58E-06	4.19	1.59	BC055107
1416101_a_at	6.82	5.69E-08	2.61E-06	13.05	0.71	Hist1h1c
1455550_x_at	6.80	5.96E-08	2.73E-06	13.53	0.61	Serinc3
1423130_a_at	6.80	5.99E-08	2.74E-06	11.25	0.81	Sfrs5
1415997_at	6.79	6.22E-08	2.83E-06	12.38	0.86	Txnip
1449731_s_at	6.79	6.27E-08	2.84E-06	10.34	1.16	Nfkbia
1448724_at	6.78	6.30E-08	2.84E-06	4.49	1.68	Cish
1438065_at	6.77	6.50E-08	2.92E-06	3.81	1.36	NA
1438936_s_at	6.77	6.59E-08	2.95E-06	8.20	1.66	Rnase4
1432007_s_at	6.76	6.88E-08	3.07E-06	5.78	1.49	Ap2a2
1456761_at	6.75	7.01E-08	3.11E-06	5.86	1.46	D630030B22Rik
1434954_at	6.75	7.02E-08	3.11E-06	8.51	0.98	Mpp5
1435079_at	6.72	7.61E-08	3.35E-06	9.58	0.88	Sfrs18
1424838_at	6.71	7.95E-08	3.48E-06	4.12	1.49	A330049M08Rik
1416060_at	6.70	8.19E-08	3.57E-06	11.93	0.91	Tbc1d15
1451218_at	6.69	8.37E-08	3.64E-06	8.18	1.51	Edem1
1438704_at	6.69	8.48E-08	3.68E-06	14.39	0.74	Trim63
1438937_x_at	6.68	8.53E-08	3.69E-06	8.03	1.36	Rnase4
1450970_at	6.68	8.59E-08	3.69E-06	12.95	0.74	Got1
1417563_at	6.68	8.60E-08	3.69E-06	7.30	2.00	Eif4ebp1
1456386_at	6.68	8.67E-08	3.71E-06	9.30	0.89	Rbm39
1417900_a_at	6.67	8.99E-08	3.81E-06	10.78	0.82	Vldlr
1449335_at	6.67	9.02E-08	3.81E-06	10.29	0.86	Timp3
1457264_at	6.66	9.29E-08	3.91E-06	8.33	1.30	Phf2011
1433836_a_at	6.66	9.30E-08	3.91E-06	12.18	2.46	8430408G22Rik
1454646_at	6.64	9.70E-08	4.05E-06	11.61	1.20	Tcp11l2
1457292_at	6.64	9.70E-08	4.05E-06	7.10	1.39	Josd3
1428472_at	6.63	1.02E-07	4.22E-06	5.05	1.73	Spsb1
1444075_at	6.63	1.02E-07	4.22E-06	8.92	1.06	Filip1
1449732_at	6.61	1.06E-07	4.34E-06	7.65	1.31	Zscan21

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1420088_at	6.61	1.07E-07	4.37E-06	11.95	0.99	Nfkbia
1429177_x_at	6.60	1.10E-07	4.48E-06	8.47	1.15	Sox17
1433575_at	6.60	1.11E-07	4.52E-06	9.58	1.30	NA
1454651_x_at	6.59	1.13E-07	4.58E-06	8.90	1.26	Mbp
1427820_at	6.59	1.14E-07	4.59E-06	5.97	2.22	NA
1454617_at	6.59	1.15E-07	4.59E-06	11.76	1.72	Arrdc3
1429787_x_at	6.59	1.15E-07	4.60E-06	7.75	1.43	Zwint
1460417_at	6.59	1.16E-07	4.60E-06	5.97	1.61	AB041803
1444811_at	6.58	1.17E-07	4.65E-06	5.26	1.81	Tloc1
1457724_at	6.57	1.21E-07	4.78E-06	6.06	1.62	Ctsl
1451447_at	6.56	1.26E-07	4.94E-06	8.48	1.65	Cuedc1
1453136_at	6.54	1.32E-07	5.16E-06	8.67	1.05	Fbxo30
1441150_x_at	6.54	1.33E-07	5.19E-06	5.65	1.79	NA
1438815_at	6.53	1.39E-07	5.39E-06	4.57	1.43	Hist2h2aa2
1451204_at	6.52	1.40E-07	5.40E-06	9.75	0.94	Scara5
1433755_at	6.52	1.40E-07	5.40E-06	10.24	1.13	Mier1
1416371_at	6.52	1.41E-07	5.43E-06	11.23	1.01	Apod
1448272_at	6.52	1.42E-07	5.43E-06	7.80	1.99	Btg2
1451310_a_at	6.51	1.44E-07	5.47E-06	12.62	0.90	Ctsl
1457689_at	6.48	1.60E-07	6.04E-06	4.32	1.27	Sbf2
1439622_at	6.47	1.63E-07	6.11E-06	6.94	1.67	Rassf4
1426235_a_at	6.47	1.64E-07	6.13E-06	11.27	1.29	Glul
1448758_at	6.45	1.72E-07	6.41E-06	10.88	0.87	EG627232
1429236_at	6.45	1.73E-07	6.43E-06	8.30	1.38	Galntl2
1453782_at	6.43	1.86E-07	6.84E-06	9.60	0.90	3021401C12Rik
1448370_at	6.43	1.89E-07	6.89E-06	10.41	1.19	Ulk1
1439080_at	6.39	2.08E-07	7.55E-06	5.08	1.48	Erbp2ip
1424683_at	6.39	2.09E-07	7.56E-06	14.44	0.67	1810015C04Rik
1448231_at	6.39	2.10E-07	7.59E-06	8.25	1.78	Fkbp5
1455720_at	6.39	2.11E-07	7.59E-06	3.86	2.01	Adamts2
1417416_at	6.38	2.13E-07	7.66E-06	4.75	1.61	Kcna1
1433934_at	6.38	2.19E-07	7.83E-06	11.12	0.83	Sec24a
1430404_at	6.37	2.26E-07	7.98E-06	4.88	1.50	Akap13
1434817_s_at	6.35	2.34E-07	8.26E-06	8.75	1.00	4930535B03Rik
1452798_s_at	6.35	2.35E-07	8.26E-06	9.77	1.08	Mapk1ip1
1450725_s_at	6.35	2.35E-07	8.26E-06	9.56	0.86	Car14
1450853_at	6.34	2.43E-07	8.49E-06	9.87	1.02	Tle4
1422648_at	6.34	2.45E-07	8.54E-06	9.71	2.01	Slc7a2
1416225_at	6.33	2.54E-07	8.83E-06	9.59	0.85	Adh1
1439912_at	6.31	2.69E-07	9.34E-06	4.74	1.61	9430098F02Rik
1422736_at	6.31	2.71E-07	9.35E-06	9.69	0.86	Ranbp9
1426671_a_at	6.30	2.73E-07	9.38E-06	10.37	0.79	Rbm39
1419329_at	6.30	2.77E-07	9.51E-06	7.62	1.37	Sorbs3
1439638_at	6.30	2.78E-07	9.51E-06	6.66	1.46	Erbp2ip
1427339_at	6.30	2.81E-07	9.58E-06	3.88	1.70	Slc30a2
1422904_at	6.29	2.87E-07	9.75E-06	6.48	1.57	Fmo2
1451006_at	6.29	2.88E-07	9.75E-06	9.34	0.93	Xdh
1420667_at	6.28	2.98E-07	1.00E-05	3.95	1.38	Doc2b
1436201_x_at	6.25	3.22E-07	1.08E-05	8.90	1.35	Mbp
1436228_at	6.24	3.29E-07	1.10E-05	10.62	0.93	NA
1443167_at	6.23	3.39E-07	1.12E-05	5.15	1.68	Rnf12
1417133_at	6.23	3.40E-07	1.12E-05	10.20	0.91	Pmp22
1424296_at	6.22	3.51E-07	1.15E-05	8.54	1.01	Gclc

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1423062_at	6.22	3.52E-07	1.15E-05	9.38	1.93	Igfbp3
1445534_at	6.21	3.60E-07	1.18E-05	4.50	1.50	Flnb
1436952_at	6.21	3.62E-07	1.18E-05	6.06	1.42	Klf9
1427345_a_at	6.19	3.87E-07	1.25E-05	10.54	0.98	Sult1a1
1450511_at	6.18	3.94E-07	1.27E-05	6.55	1.61	Musk
1438714_at	6.18	3.98E-07	1.28E-05	9.83	0.87	Zfp207
1430798_x_at	6.18	4.02E-07	1.29E-05	5.37	1.31	Mrpl15
1433837_at	6.16	4.19E-07	1.34E-05	11.62	2.84	8430408G22Rik
1439079_a_at	6.16	4.20E-07	1.34E-05	6.81	1.55	Erbp2ip
1438234_at	6.15	4.37E-07	1.39E-05	7.77	1.14	Wdr26
1434752_at	6.14	4.46E-07	1.41E-05	7.79	1.02	LOC100043601
1449546_a_at	6.14	4.49E-07	1.41E-05	9.98	0.75	Zfp617
1438350_at	6.14	4.51E-07	1.41E-05	3.74	1.36	Gpr64
1437342_x_at	6.14	4.53E-07	1.41E-05	10.09	0.78	Pttglip
1418715_at	6.14	4.55E-07	1.42E-05	11.00	1.21	Pank1
1448026_at	6.13	4.62E-07	1.44E-05	6.65	1.30	NA
1415826_at	6.12	4.79E-07	1.48E-05	9.29	0.95	Atp6v1h
1433761_at	6.12	4.82E-07	1.49E-05	8.76	1.44	Pde4dip
1451743_at	6.12	4.82E-07	1.49E-05	7.14	1.31	D19Wsu162e
1433633_at	6.11	4.91E-07	1.51E-05	7.23	1.24	Irf2bp2
1433532_a_at	6.11	4.95E-07	1.52E-05	11.33	1.03	Mbp
1452997_at	6.11	5.03E-07	1.54E-05	9.16	0.89	6820431F20Rik
1434100_x_at	6.09	5.27E-07	1.60E-05	9.76	1.17	Ppargc1a
1422751_at	6.09	5.29E-07	1.60E-05	7.13	1.44	Tle1
1417623_at	6.08	5.48E-07	1.65E-05	9.48	0.94	Slc12a2
1452708_a_at	6.07	5.56E-07	1.67E-05	7.70	1.23	Luc7l
1415930_a_at	6.07	5.56E-07	1.67E-05	13.07	0.55	Map1lc3b
1420376_a_at	6.07	5.62E-07	1.68E-05	11.51	0.72	H3f3b
1438542_at	6.07	5.65E-07	1.69E-05	3.53	1.05	Trp53
1455010_at	6.06	5.70E-07	1.70E-05	9.47	0.82	1500012F01Rik
1443400_at	6.06	5.86E-07	1.73E-05	5.00	1.42	Mier1
1424942_a_at	6.05	5.87E-07	1.73E-05	5.71	1.86	Myc
1438157_s_at	6.05	5.88E-07	1.73E-05	11.39	0.94	Nfkbia
1420870_at	6.05	5.89E-07	1.73E-05	8.76	0.88	Mllt10
1451156_s_at	6.05	6.02E-07	1.76E-05	7.99	1.11	Vldlr
1419040_at	6.04	6.10E-07	1.78E-05	6.62	1.45	Cyp2d22
1417290_at	6.03	6.26E-07	1.82E-05	8.62	0.90	Lrg1
1442258_at	6.03	6.27E-07	1.82E-05	4.16	1.31	NA
1449893_a_at	6.03	6.28E-07	1.82E-05	9.86	0.93	Lrig1
1442014_at	6.02	6.56E-07	1.90E-05	7.13	1.32	Ifrd1
1429657_at	6.01	6.75E-07	1.95E-05	6.11	1.41	Zfand5
1427742_a_at	6.01	6.76E-07	1.95E-05	9.09	1.03	Klf6
1429537_at	6.01	6.76E-07	1.95E-05	8.17	1.19	Sfrs18
1428467_at	6.00	6.91E-07	1.98E-05	8.08	1.06	Tardbp
1423153_x_at	6.00	7.02E-07	2.01E-05	9.22	0.88	Cfh
1457058_at	5.98	7.35E-07	2.10E-05	6.84	1.46	Adamts2
1449102_at	5.98	7.36E-07	2.10E-05	6.72	1.27	Ebf2
1448793_a_at	5.98	7.40E-07	2.10E-05	5.74	1.38	Sdc4
1451601_a_at	5.98	7.49E-07	2.12E-05	10.03	1.22	Spns2
1419089_at	5.97	7.51E-07	2.13E-05	9.20	0.95	Timp3
1426011_a_at	5.96	7.83E-07	2.20E-05	10.36	0.79	Ggnbp2
1416856_at	5.95	8.00E-07	2.25E-05	11.13	0.81	3230401D17Rik
1435026_at	5.95	8.03E-07	2.25E-05	4.77	1.24	Spock2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1435524_at	5.95	8.05E-07	2.25E-05	10.25	0.72	2010109N14Rik
1417158_at	5.95	8.12E-07	2.27E-05	5.24	1.25	Zxdc
1451737_at	5.95	8.15E-07	2.27E-05	4.96	1.39	Pik3r1
1416504_at	5.94	8.29E-07	2.30E-05	7.30	1.61	Ulk1
1454670_at	5.94	8.32E-07	2.30E-05	9.66	0.81	Rere
1438186_at	5.93	8.58E-07	2.36E-05	10.43	0.91	Pdlim5
1416721_s_at	5.93	8.65E-07	2.37E-05	10.50	0.76	Sfrs6
1445866_at	5.93	8.73E-07	2.39E-05	5.05	1.37	Mast4
1417611_at	5.92	9.01E-07	2.46E-05	6.40	1.59	Tmem37
1420249_s_at	5.91	9.07E-07	2.47E-05	8.35	1.86	Ccl6
1420658_at	5.91	9.16E-07	2.48E-05	10.87	0.90	Ucp3
1452145_at	5.91	9.16E-07	2.48E-05	9.14	1.27	H6pd
1419144_at	5.91	9.25E-07	2.50E-05	9.47	1.11	Cd163
1418697_at	5.90	9.44E-07	2.55E-05	10.69	1.33	Inmt
1449901_a_at	5.90	9.47E-07	2.55E-05	3.89	1.35	Map3k6
1433593_at	5.89	9.67E-07	2.59E-05	7.77	1.33	Ypel5
1427470_s_at	5.89	9.69E-07	2.59E-05	5.89	1.42	Napb
1444559_at	5.89	9.79E-07	2.61E-05	5.92	1.47	Phtf2
1434043_a_at	5.87	1.02E-06	2.72E-05	9.51	0.81	Repin1
1421267_a_at	5.87	1.04E-06	2.75E-05	9.72	1.22	Cited2
1436968_x_at	5.87	1.04E-06	2.75E-05	10.77	0.70	Klhl24
1451382_at	5.87	1.04E-06	2.76E-05	11.20	1.18	Chac1
1449356_at	5.87	1.04E-06	2.76E-05	13.74	0.47	Asb5
1447896_s_at	5.87	1.05E-06	2.76E-05	11.03	0.77	2010109N14Rik
1439200_x_at	5.86	1.05E-06	2.77E-05	8.98	1.21	Erdr1
1434210_s_at	5.86	1.07E-06	2.79E-05	9.70	0.88	Lrig1
1417815_a_at	5.86	1.08E-06	2.81E-05	12.63	0.64	Serinc3
1440818_s_at	5.85	1.09E-06	2.84E-05	11.49	0.66	Sf3b1
1425099_a_at	5.85	1.09E-06	2.84E-05	9.25	1.37	Arntl
1421037_at	5.85	1.11E-06	2.88E-05	4.05	1.34	Npas2
1441326_at	5.85	1.11E-06	2.89E-05	4.37	1.21	Cp
1426791_at	5.84	1.14E-06	2.93E-05	6.41	1.70	Rusc2
1458947_at	5.84	1.14E-06	2.93E-05	5.40	1.26	2010111I01Rik
1447815_x_at	5.84	1.14E-06	2.93E-05	3.67	1.23	6430527G18Rik
1453137_at	5.83	1.16E-06	2.99E-05	8.17	1.11	Fbxo30
1416085_s_at	5.83	1.17E-06	2.99E-05	13.87	0.53	Zfand5
1428352_at	5.83	1.17E-06	2.99E-05	10.49	1.01	Arrdc2
1429351_at	5.83	1.18E-06	3.02E-05	11.27	0.77	Klhl24
1456295_at	5.83	1.19E-06	3.02E-05	8.21	1.25	B230114P17Rik
1446673_at	5.82	1.20E-06	3.04E-05	7.54	1.05	D330013E07Rik
1433530_at	5.82	1.22E-06	3.09E-05	4.41	1.27	Rpl41
1452207_at	5.82	1.22E-06	3.09E-05	11.73	1.10	Cited2
1440896_at	5.82	1.23E-06	3.10E-05	4.41	1.25	Sfrs15
1416129_at	5.81	1.24E-06	3.12E-05	9.98	1.30	Errfi1
1423396_at	5.81	1.25E-06	3.14E-05	6.73	1.36	Agt
1456790_at	5.81	1.26E-06	3.17E-05	6.09	1.31	Zfp800
1460192_at	5.80	1.28E-06	3.19E-05	11.03	0.84	Osbpl1a
1438796_at	5.80	1.29E-06	3.21E-05	7.39	2.45	Nr4a3
1460020_at	5.80	1.29E-06	3.21E-05	5.37	1.72	Ankrd11
1449528_at	5.79	1.32E-06	3.26E-05	7.03	1.45	Figf
1451718_at	5.79	1.33E-06	3.28E-05	8.65	0.95	Plp1
1453332_at	5.79	1.34E-06	3.29E-05	7.59	1.16	2410002O22Rik
1437666_x_at	5.79	1.35E-06	3.30E-05	14.57	0.54	Ubc

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1420657_at	5.78	1.35E-06	3.31E-05	11.10	0.95	Ucp3
1453022_at	5.78	1.36E-06	3.31E-05	9.47	0.79	Gpihbp1
1424632_a_at	5.78	1.37E-06	3.33E-05	10.44	0.71	Rev3l
1448780_at	5.78	1.37E-06	3.33E-05	9.06	1.00	Slc12a2
1418014_a_at	5.77	1.41E-06	3.40E-05	8.90	0.91	B4galt1
1424872_at	5.77	1.41E-06	3.40E-05	8.81	1.08	2310001H12Rik
1428996_at	5.77	1.43E-06	3.43E-05	5.13	1.46	4833426J09Rik
1437110_at	5.76	1.47E-06	3.52E-05	8.95	0.89	2810474O19Rik
1455437_at	5.75	1.50E-06	3.59E-05	9.99	0.77	9030204A07Rik
1457451_at	5.75	1.51E-06	3.59E-05	3.98	1.03	Acvr2a
1437717_x_at	5.75	1.52E-06	3.62E-05	8.21	1.11	6820431F20Rik
1455534_s_at	5.75	1.52E-06	3.62E-05	9.81	0.94	Osbpl11
1416332_at	5.74	1.54E-06	3.66E-05	8.54	0.92	Cirbp
1434099_at	5.74	1.55E-06	3.66E-05	9.69	1.13	Ppargc1a
1422560_at	5.74	1.55E-06	3.66E-05	9.70	1.45	Rsc1a1
1431060_at	5.74	1.56E-06	3.68E-05	5.33	1.40	Peli1
1459971_at	5.73	1.58E-06	3.72E-05	4.17	1.32	Kcnt2
1419674_a_at	5.72	1.65E-06	3.86E-05	8.12	1.28	Dpep1
1447898_s_at	5.72	1.65E-06	3.86E-05	10.25	0.69	Sfrs6
1460547_a_at	5.72	1.66E-06	3.86E-05	13.28	0.43	Hnrpk
1436555_at	5.71	1.69E-06	3.93E-05	10.46	1.69	Slc7a2
1452348_s_at	5.71	1.71E-06	3.97E-05	9.28	0.96	Ifi205
1454795_at	5.70	1.73E-06	3.99E-05	9.41	0.93	Cobll1
1425809_at	5.70	1.74E-06	4.01E-05	6.74	1.36	Fabp4
1444649_at	5.70	1.75E-06	4.02E-05	4.63	1.83	Prkce
1421907_at	5.70	1.75E-06	4.02E-05	8.48	1.37	Med1
1424776_a_at	5.70	1.75E-06	4.02E-05	9.42	0.85	Slc25a28
1438397_a_at	5.69	1.79E-06	4.10E-05	7.72	1.10	Rbm39
1437924_at	5.69	1.82E-06	4.17E-05	8.06	1.11	Son
1440511_at	5.68	1.85E-06	4.23E-05	9.27	0.80	NA
1430370_at	5.68	1.88E-06	4.29E-05	6.61	1.26	Eprs
1427334_s_at	5.67	1.90E-06	4.31E-05	7.30	1.15	2810474O19Rik
1449138_at	5.67	1.92E-06	4.35E-05	11.78	0.65	Sf3b1
1419874_x_at	5.65	2.02E-06	4.56E-05	10.43	0.91	Zbtb16
1429900_at	5.64	2.07E-06	4.68E-05	9.44	1.05	5330406M23Rik
1426383_at	5.64	2.08E-06	4.68E-05	9.74	0.86	Cry2
1417561_at	5.63	2.14E-06	4.79E-05	4.96	1.87	Apoc1
1452444_at	5.63	2.18E-06	4.87E-05	4.83	1.42	Napb
1441915_s_at	5.63	2.20E-06	4.91E-05	10.95	0.84	2310076L09Rik
1435458_at	5.62	2.22E-06	4.95E-05	8.36	1.29	Pim1
1454817_at	5.62	2.26E-06	5.03E-05	6.84	1.32	Utp18
1424141_at	5.61	2.28E-06	5.06E-05	11.83	0.80	Hectd1
1450888_at	5.61	2.29E-06	5.06E-05	6.97	1.33	Napb
1451577_at	5.61	2.31E-06	5.11E-05	9.67	0.77	Zbtb20
1446269_at	5.60	2.35E-06	5.19E-05	4.16	1.31	Hbp1
1427305_at	5.60	2.38E-06	5.25E-05	6.23	1.34	Piga
1418280_at	5.60	2.41E-06	5.30E-05	7.31	1.40	Klf6
1452433_at	5.59	2.43E-06	5.32E-05	7.92	2.00	NA
1442277_at	5.59	2.43E-06	5.32E-05	3.70	1.24	Chka
1450876_at	5.58	2.53E-06	5.53E-05	9.28	0.83	Cfh
1427471_at	5.58	2.56E-06	5.57E-05	8.95	0.85	Fbxl3
1434933_at	5.58	2.56E-06	5.57E-05	9.01	0.84	Rc3h1
1454018_at	5.57	2.59E-06	5.63E-05	7.15	1.34	Tlk2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1416061_at	5.57	2.61E-06	5.64E-05	9.99	0.83	Tbc1d15
1437423_a_at	5.56	2.70E-06	5.82E-05	10.22	0.63	Sra1
1452125_at	5.56	2.73E-06	5.88E-05	8.54	0.93	Thrap3
1433832_at	5.55	2.78E-06	5.97E-05	10.54	0.74	Unc84b
1420772_a_at	5.55	2.81E-06	6.01E-05	12.41	0.77	Tsc22d3
1433656_a_at	5.54	2.83E-06	6.06E-05	10.57	0.73	Gnl3
1436506_a_at	5.54	2.85E-06	6.08E-05	11.12	0.65	Snhg6
1443500_at	5.52	3.00E-06	6.39E-05	6.38	1.36	Mllt10
1428172_at	5.52	3.01E-06	6.39E-05	9.12	0.83	Prpf39
1438131_at	5.51	3.10E-06	6.55E-05	6.58	1.25	Fbxw2
1425023_at	5.51	3.16E-06	6.65E-05	7.71	1.19	Usp3
1428579_at	5.51	3.18E-06	6.69E-05	8.68	0.90	Fmn12
1437953_at	5.50	3.25E-06	6.81E-05	5.43	1.33	Prei4
1435229_at	5.49	3.29E-06	6.87E-05	4.42	1.09	Gramd1b
1453068_at	5.49	3.31E-06	6.90E-05	7.54	1.15	Prdm2
1430412_at	5.49	3.33E-06	6.92E-05	4.07	1.05	2310068C19Rik
1438368_a_at	5.49	3.36E-06	6.95E-05	11.23	0.69	Matr3
1437868_at	5.48	3.41E-06	7.05E-05	6.57	1.39	BC023892
1438089_a_at	5.48	3.45E-06	7.10E-05	9.82	0.73	Bclaf1
1428341_at	5.48	3.45E-06	7.10E-05	9.49	0.84	Zfp655
1415928_a_at	5.47	3.52E-06	7.23E-05	13.77	0.45	Map1lc3b
1455878_at	5.47	3.58E-06	7.33E-05	4.40	1.29	2700023E23Rik
1423724_at	5.47	3.59E-06	7.35E-05	10.16	0.73	Zwint
1425137_a_at	5.46	3.67E-06	7.49E-05	5.99	1.87	H2-Q10
1421321_a_at	5.45	3.74E-06	7.58E-05	9.30	1.13	Net1
1460643_at	5.45	3.82E-06	7.74E-05	5.51	1.28	Ell
1458523_at	5.43	3.96E-06	8.01E-05	3.59	0.88	Zfml
1429399_at	5.43	4.01E-06	8.09E-05	7.06	1.61	Rnf125
1433508_at	5.43	4.01E-06	8.09E-05	9.59	0.79	Klf6
1416720_at	5.42	4.15E-06	8.35E-05	9.83	0.66	Sfrs6
1437479_x_at	5.41	4.24E-06	8.49E-05	5.21	1.14	Tbx3
1448135_at	5.41	4.27E-06	8.53E-05	11.16	0.66	Atf4
1418616_at	5.41	4.28E-06	8.53E-05	8.74	1.01	Mafk
1424400_a_at	5.40	4.34E-06	8.62E-05	6.59	1.23	Aldh1l1
1426940_at	5.40	4.39E-06	8.67E-05	8.37	0.92	Sidt2
1443471_at	5.40	4.39E-06	8.67E-05	8.23	1.05	Zbtb20
1417499_at	5.40	4.39E-06	8.67E-05	10.54	0.74	Timm10
1447123_at	5.40	4.46E-06	8.76E-05	3.30	1.07	NA
1419879_s_at	5.39	4.58E-06	8.98E-05	8.76	0.90	Trim25
1453512_at	5.39	4.59E-06	8.98E-05	6.14	1.42	5830407P18Rik
1434773_a_at	5.38	4.63E-06	9.05E-05	9.94	0.83	Slc2a1
1456199_x_at	5.38	4.69E-06	9.11E-05	11.02	0.80	Ranbp9
1416799_at	5.38	4.74E-06	9.20E-05	10.49	0.68	Trpm7
1451171_at	5.37	4.87E-06	9.42E-05	3.95	1.06	2310008H04Rik
1418180_at	5.37	4.87E-06	9.42E-05	9.02	0.86	Sp1
1434756_at	5.36	5.03E-06	9.69E-05	9.90	0.78	5430421B17
1419816_s_at	5.36	5.05E-06	9.72E-05	8.25	1.46	Errfi1
1426915_at	5.35	5.10E-06	9.79E-05	7.60	1.69	Dapk1
1418936_at	5.35	5.16E-06	9.90E-05	5.33	1.48	Maff
1457438_at	5.34	5.26E-06	0.00010	4.86	1.16	NA
1451612_at	5.34	5.27E-06	0.00010	4.47	2.15	Mt1
1453688_at	5.34	5.27E-06	0.00010	5.65	1.33	Cwf19l2
1459981_s_at	5.34	5.29E-06	0.00010	8.61	0.85	Rsb1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1455506_at	5.33	5.42E-06	0.00010	8.44	1.18	Slc25a34
1451361_a_at	5.32	5.56E-06	0.00010	9.75	0.83	Pnpla7
1438076_at	5.32	5.57E-06	0.00010	4.44	1.02	Rpl30
1417600_at	5.32	5.58E-06	0.00011	7.07	2.49	Slc15a2
1454609_x_at	5.32	5.67E-06	0.00011	8.96	0.77	6430527G18Rik
1435950_at	5.31	5.85E-06	0.00011	6.71	1.43	Hr
1448471_a_at	5.30	5.94E-06	0.00011	9.01	0.79	Ctla2a
1438953_at	5.30	6.00E-06	0.00011	7.39	1.44	Figf
1454665_at	5.29	6.19E-06	0.00012	4.88	1.36	Irf2bp2
1433957_at	5.28	6.28E-06	0.00012	8.81	0.76	C030048B08Rik
1418288_at	5.28	6.34E-06	0.00012	12.98	0.73	Lpin1
1417522_at	5.28	6.35E-06	0.00012	12.78	1.29	Fbxo32
1441081_a_at	5.27	6.52E-06	0.00012	7.88	1.01	1110038B12Rik
1440850_at	5.27	6.66E-06	0.00012	4.05	1.18	Rnf12
1429777_at	5.26	6.68E-06	0.00012	3.62	0.91	Dnajb6
1439922_at	5.25	6.95E-06	0.00013	3.47	0.96	Prrc1
1436898_at	5.25	7.05E-06	0.00013	9.23	1.01	Sfpq
1424607_a_at	5.24	7.13E-06	0.00013	10.88	0.87	LOC545174
1453238_s_at	5.24	7.15E-06	0.00013	11.53	1.21	1200016E24Rik
1426516_a_at	5.23	7.32E-06	0.00013	13.06	0.72	Lpin1
1452387_a_at	5.23	7.43E-06	0.00013	8.36	0.92	Amotl2
1424354_at	5.23	7.52E-06	0.00014	11.61	1.27	Tmem140
1455725_a_at	5.23	7.54E-06	0.00014	11.51	0.62	H3f3b
1455980_a_at	5.22	7.66E-06	0.00014	6.09	1.46	Gas2l3
1455696_a_at	5.21	7.78E-06	0.00014	9.78	0.72	Prpf4b
1419653_a_at	5.21	7.82E-06	0.00014	12.83	0.46	Ddx5
1436875_at	5.21	7.89E-06	0.00014	6.08	1.39	Dnm3
1416144_a_at	5.21	7.93E-06	0.00014	11.80	0.55	Dhx15
1450606_at	5.21	7.95E-06	0.00014	3.31	1.72	Pnmt
1434831_a_at	5.21	7.98E-06	0.00014	9.59	0.78	Foxo3a
1457262_at	5.21	7.99E-06	0.00014	7.22	1.33	2610207I05Rik
1420982_at	5.20	8.03E-06	0.00014	7.78	0.95	Rbm39
1418595_at	5.20	8.14E-06	0.00014	12.34	0.88	S3-12
1441799_at	5.19	8.31E-06	0.00015	4.48	1.25	6030422H21Rik
1420869_at	5.19	8.32E-06	0.00015	4.49	1.15	Mllt10
1417496_at	5.19	8.33E-06	0.00015	8.91	0.93	Cp
1426900_at	5.19	8.34E-06	0.00015	10.34	0.63	Jmjd1c
1417191_at	5.19	8.35E-06	0.00015	12.08	0.58	Dnajb9
1455092_at	5.19	8.36E-06	0.00015	4.95	1.06	LOC100043601
1428844_a_at	5.19	8.40E-06	0.00015	9.27	0.72	Bclaf1
1417209_at	5.18	8.68E-06	0.00015	8.61	0.86	Sertad2
1454826_at	5.18	8.76E-06	0.00015	10.30	0.70	Zbtb11
1451316_a_at	5.17	8.84E-06	0.00015	11.68	0.66	Picalm
1416823_a_at	5.17	8.87E-06	0.00015	8.25	1.08	Osbpl1a
1435357_at	5.16	9.10E-06	0.00016	8.75	1.13	D4Wsu53e
1435137_s_at	5.16	9.21E-06	0.00016	10.66	1.16	1200016E24Rik
1422886_a_at	5.16	9.26E-06	0.00016	9.24	0.73	Clk4
1433468_at	5.15	9.36E-06	0.00016	6.06	1.13	6430527G18Rik
1456390_at	5.15	9.36E-06	0.00016	10.11	0.67	Ppp2ca
1439537_at	5.15	9.38E-06	0.00016	9.39	1.11	NA
1425981_a_at	5.15	9.44E-06	0.00016	10.82	0.74	Rbl2
1434033_at	5.15	9.47E-06	0.00016	7.51	1.10	Tle1
1420131_s_at	5.15	9.49E-06	0.00016	10.75	0.65	Pttg1ip

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1427672_a_at	5.15	9.53E-06	0.00016	9.13	0.76	Utx
1438972_x_at	5.15	9.60E-06	0.00016	7.15	1.12	LOC100042332
1415929_at	5.14	9.66E-06	0.00016	11.96	0.58	Map1lc3b
1428976_at	5.14	9.69E-06	0.00016	7.29	1.09	Tmpo
1426008_a_at	5.14	9.70E-06	0.00016	8.40	2.00	Slc7a2
1433983_at	5.14	9.82E-06	0.00017	7.48	1.15	Cnksr3
1430969_at	5.14	9.93E-06	0.00017	3.60	0.97	Mtch2
1454793_x_at	5.13	1.02E-05	0.00017	12.21	0.54	Ddx5
1428010_at	5.12	1.04E-05	0.00017	5.61	1.09	Timm9
1419156_at	5.11	1.07E-05	0.00018	3.66	1.04	Sox4
1423253_at	5.11	1.07E-05	0.00018	6.66	1.35	Mpz
1424050_s_at	5.11	1.08E-05	0.00018	9.62	0.69	Fgfr1
1435740_at	5.11	1.09E-05	0.00018	9.59	0.66	NA
1430646_at	5.10	1.10E-05	0.00018	4.62	1.11	5830407P18Rik
1450113_at	5.10	1.12E-05	0.00018	9.21	0.71	NA
1428024_at	5.10	1.12E-05	0.00018	3.87	1.11	Map1lc3b
1424932_at	5.09	1.12E-05	0.00019	7.48	1.10	Egfr
1429588_at	5.09	1.14E-05	0.00019	8.00	0.93	2810474O19Rik
1416998_at	5.09	1.14E-05	0.00019	10.05	0.78	Rrs1
1436994_a_at	5.09	1.16E-05	0.00019	13.77	0.56	Hist1h1c
1433632_at	5.08	1.16E-05	0.00019	8.46	0.87	Irf2bp2
1434774_at	5.08	1.16E-05	0.00019	4.92	1.17	Rhbdf2
1439095_at	5.07	1.19E-05	0.00019	4.80	1.39	Sfrs11
1418562_at	5.07	1.20E-05	0.00020	11.12	0.63	Sf3b1
1435658_at	5.07	1.21E-05	0.00020	8.50	0.86	Slc27a1
1434355_at	5.07	1.21E-05	0.00020	9.33	0.68	Zfp617
1439010_at	5.06	1.24E-05	0.00020	9.94	0.68	Larp4
1450098_at	5.06	1.24E-05	0.00020	4.26	1.14	0610010D20Rik
1452264_at	5.06	1.24E-05	0.00020	7.96	0.97	Tenc1
1417001_a_at	5.06	1.25E-05	0.00020	12.09	0.79	D4Wsu53e
1429538_a_at	5.06	1.26E-05	0.00020	9.57	0.65	Sfrs18
1444009_at	5.06	1.27E-05	0.00020	3.78	0.99	Rassf4
1453582_at	5.05	1.27E-05	0.00020	4.81	1.09	Chka
1422847_a_at	5.05	1.30E-05	0.00021	5.86	1.24	Prkcd
1421064_at	5.04	1.31E-05	0.00021	9.34	0.72	Mpp5
1426798_a_at	5.04	1.31E-05	0.00021	9.28	0.87	Ppp1r15b
1453840_at	5.04	1.33E-05	0.00021	5.39	1.16	Pabpc1
1449405_at	5.04	1.34E-05	0.00021	9.54	0.69	Tns1
1433691_at	5.03	1.38E-05	0.00022	13.47	0.70	Ppp1r3c
1448201_at	5.02	1.40E-05	0.00022	3.94	1.11	Sfrp2
1448239_at	5.01	1.45E-05	0.00023	6.08	1.80	Hmox1
1447448_s_at	5.01	1.47E-05	0.00023	9.42	0.85	Klf6
1424609_a_at	5.01	1.48E-05	0.00023	10.83	0.84	LOC545174
1422033_a_at	5.00	1.50E-05	0.00023	6.42	1.34	Zfp91
1451080_at	5.00	1.50E-05	0.00023	9.41	0.69	Usp1
1455353_at	5.00	1.52E-05	0.00024	9.92	0.76	Tmcc1
1451714_a_at	5.00	1.52E-05	0.00024	11.06	0.62	Map2k3
1423756_s_at	4.99	1.54E-05	0.00024	9.22	0.87	Igfbp4
1424670_s_at	4.99	1.54E-05	0.00024	9.49	0.70	Zfyve21
1440315_at	4.99	1.55E-05	0.00024	7.16	1.20	Mbnl1
1434901_at	4.98	1.58E-05	0.00024	7.91	1.03	Zbtb2
1442781_at	4.98	1.58E-05	0.00024	3.50	0.92	Frrs1
1437745_at	4.98	1.59E-05	0.00024	7.68	0.90	Chd7

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1422270_a_at	4.98	1.59E-05	0.00024	4.49	1.24	Il6ra
1418561_at	4.98	1.62E-05	0.00025	7.86	0.85	Sf3b1
1423451_at	4.97	1.64E-05	0.00025	9.94	0.71	Pgrmc1
1450703_at	4.97	1.65E-05	0.00025	5.33	1.34	Slc7a2
1425004_s_at	4.97	1.66E-05	0.00025	4.06	1.01	Mocs1
1416062_at	4.97	1.67E-05	0.00025	6.90	1.03	Tbc1d15
1441315_s_at	4.97	1.67E-05	0.00025	8.08	1.02	Slc19a2
1428776_at	4.96	1.67E-05	0.00025	5.31	1.27	Slc10a6
1451793_at	4.96	1.68E-05	0.00025	10.60	0.66	Klhl24
1454149_a_at	4.96	1.68E-05	0.00026	8.35	0.82	Ccnl2
1422869_at	4.96	1.69E-05	0.00026	4.90	1.06	Mertk
1439029_at	4.96	1.70E-05	0.00026	9.35	0.80	Gpt2
1429093_at	4.96	1.72E-05	0.00026	9.06	0.75	Ddi2
1434888_a_at	4.95	1.73E-05	0.00026	10.51	0.63	Matr3
1448265_x_at	4.95	1.74E-05	0.00026	6.48	1.26	Mpzl2
1429441_at	4.95	1.77E-05	0.00026	8.26	0.90	Fbxo30
1429336_at	4.94	1.78E-05	0.00027	6.76	1.18	Tmem87b
1422551_at	4.94	1.79E-05	0.00027	8.23	0.82	Zkscan3
1417324_at	4.94	1.79E-05	0.00027	9.73	0.70	Mast2
1437711_x_at	4.94	1.79E-05	0.00027	12.49	0.53	Odc1
1435341_at	4.94	1.80E-05	0.00027	9.20	0.73	Ppig
1439233_at	4.94	1.80E-05	0.00027	5.21	1.12	Tloc1
1440571_at	4.94	1.82E-05	0.00027	4.73	1.14	Eif4g3
1420119_s_at	4.94	1.82E-05	0.00027	7.72	1.21	AU020177
1425966_x_at	4.94	1.82E-05	0.00027	13.64	0.57	Ubc
1425577_at	4.93	1.85E-05	0.00027	9.56	0.62	Zmym5
1444557_at	4.93	1.85E-05	0.00027	4.46	1.10	Sumo1
1428749_at	4.93	1.87E-05	0.00027	7.93	1.02	Dmxl2
1426243_at	4.92	1.92E-05	0.00028	5.50	1.10	Cth
1436322_a_at	4.92	1.94E-05	0.00028	9.06	0.67	2810001A02Rik
1419646_a_at	4.91	1.97E-05	0.00029	9.35	1.06	Mbp
1434555_at	4.91	1.99E-05	0.00029	7.90	0.84	Anp32a
1448566_at	4.90	2.01E-05	0.00029	9.83	1.09	Slc40a1
1456676_a_at	4.90	2.03E-05	0.00030	8.65	1.06	Pfkfb3
1438519_at	4.90	2.05E-05	0.00030	9.57	0.76	Klhl24
1438360_x_at	4.90	2.06E-05	0.00030	9.48	0.64	Slc25a5
1423292_a_at	4.90	2.06E-05	0.00030	6.80	1.15	Prx
1453591_at	4.89	2.09E-05	0.00030	3.50	0.94	5730437N04Rik
1428853_at	4.89	2.10E-05	0.00030	9.15	0.74	Ptch1
1434208_at	4.88	2.13E-05	0.00031	3.83	1.02	Rnf169
1454967_at	4.88	2.19E-05	0.00031	8.84	0.83	NA
1428143_a_at	4.88	2.20E-05	0.00031	11.40	0.94	Pnpla2
1452406_x_at	4.87	2.22E-05	0.00032	6.63	1.17	Erdr1
1434235_at	4.87	2.24E-05	0.00032	9.13	0.71	Slc20a2
1443218_at	4.86	2.28E-05	0.00033	4.54	1.59	NA
1454797_at	4.86	2.31E-05	0.00033	8.16	0.96	Tmem55b
1420583_a_at	4.86	2.33E-05	0.00033	11.07	0.61	Rora
1437862_at	4.86	2.33E-05	0.00033	8.68	0.90	Rbm25
1435174_at	4.86	2.34E-05	0.00033	9.28	0.72	Rsb1
1447707_s_at	4.85	2.34E-05	0.00033	9.19	0.71	Pde2a
1452035_at	4.85	2.36E-05	0.00033	10.87	0.68	Col4a1
1458129_at	4.85	2.36E-05	0.00033	9.55	0.66	Rora
1434839_s_at	4.85	2.36E-05	0.00033	8.70	0.77	Tbl1xr1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1417273_at	4.85	2.37E-05	0.00033	14.63	0.51	Pdk4
1438371_x_at	4.85	2.38E-05	0.00033	12.78	0.44	Ddx5
1460500_at	4.85	2.41E-05	0.00034	4.41	1.18	5033421C21Rik
1448448_a_at	4.84	2.43E-05	0.00034	8.34	0.75	Chkb
1417483_at	4.84	2.45E-05	0.00034	7.17	1.19	Nfkbiz
1421141_a_at	4.83	2.50E-05	0.00035	4.57	0.98	Foxp1
1444107_at	4.83	2.51E-05	0.00035	8.19	0.91	9430029N19Rik
1438824_at	4.83	2.53E-05	0.00035	4.71	1.59	Slc20a1
1435080_x_at	4.83	2.54E-05	0.00035	8.92	0.77	Sfrs18
1416922_a_at	4.82	2.62E-05	0.00036	11.25	0.62	Bnip3l
1439342_at	4.82	2.62E-05	0.00036	7.78	0.98	Clpx
1417266_at	4.81	2.64E-05	0.00036	8.94	1.29	Ccl6
1452378_at	4.81	2.65E-05	0.00036	10.51	0.97	Malat1
1437734_at	4.81	2.66E-05	0.00036	8.54	0.77	Ppp1r12a
1457285_at	4.81	2.67E-05	0.00037	10.16	0.70	Zfp187
1417061_at	4.81	2.68E-05	0.00037	11.28	0.97	Slc40a1
1448525_a_at	4.81	2.68E-05	0.00037	8.70	0.73	Bnip3l
1455151_at	4.81	2.70E-05	0.00037	9.40	0.67	Akap9
1416084_at	4.80	2.74E-05	0.00037	12.12	0.64	Zfand5
1438167_x_at	4.80	2.74E-05	0.00037	11.47	0.51	Flcn
1427747_a_at	4.80	2.78E-05	0.00038	5.79	2.04	Lcn2
1426368_at	4.80	2.80E-05	0.00038	8.01	1.05	Rin2
1448503_at	4.79	2.81E-05	0.00038	13.04	0.39	Mcl1
1456110_at	4.79	2.81E-05	0.00038	9.35	0.68	Ankrd11
1455959_s_at	4.79	2.82E-05	0.00038	7.43	0.99	Gclc
1452161_at	4.79	2.84E-05	0.00038	9.15	0.87	Tiparp
1446713_at	4.79	2.88E-05	0.00039	5.62	1.20	Tial1
1456340_at	4.78	2.91E-05	0.00039	5.95	1.62	2610205E22Rik
1427056_at	4.78	2.93E-05	0.00039	3.77	0.93	Adamts15
1424034_at	4.78	2.93E-05	0.00039	10.23	0.62	Rora
1426556_at	4.77	2.99E-05	0.00040	9.59	0.61	Suhw4
1423006_at	4.77	3.01E-05	0.00040	4.16	0.97	Pim1
1448859_at	4.77	3.03E-05	0.00040	5.86	1.41	Cxcl13
1437405_a_at	4.77	3.03E-05	0.00040	11.08	0.75	Igfbp4
1423750_a_at	4.77	3.03E-05	0.00040	8.67	0.71	Sf1
1434386_at	4.76	3.11E-05	0.00041	8.84	0.73	Atp2c1
1420494_x_at	4.76	3.13E-05	0.00041	14.72	0.44	Ubc
1434832_at	4.76	3.14E-05	0.00041	9.35	0.79	Foxo3a
1418007_at	4.76	3.16E-05	0.00042	9.15	0.72	1810007M14Rik
1438081_at	4.76	3.16E-05	0.00042	6.10	1.07	Mcc
1451657_a_at	4.75	3.18E-05	0.00042	6.69	1.14	Enox2
1417590_at	4.75	3.19E-05	0.00042	10.31	0.64	Cyp27a1
1416811_s_at	4.75	3.21E-05	0.00042	9.25	0.75	Ctla2a
1437538_at	4.75	3.23E-05	0.00042	3.28	0.84	Snhg7
1448183_a_at	4.75	3.25E-05	0.00042	6.28	0.93	Hif1a
1440830_at	4.74	3.27E-05	0.00043	10.35	0.60	Gpr116
1460349_at	4.74	3.30E-05	0.00043	9.27	0.72	Prr14
1419208_at	4.74	3.30E-05	0.00043	4.46	1.18	Map3k8
1429165_at	4.74	3.32E-05	0.00043	6.29	1.07	3110001I22Rik
1455936_a_at	4.73	3.39E-05	0.00044	5.33	1.30	Rbpms
1436515_at	4.73	3.40E-05	0.00044	6.65	1.47	Bach2
1420253_at	4.73	3.41E-05	0.00044	3.90	0.92	D2Ert63e
1416236_a_at	4.73	3.41E-05	0.00044	5.84	1.35	Mpzl2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1421571_a_at	4.73	3.44E-05	0.00044	10.84	0.57	Ly6c1
1428210_s_at	4.73	3.46E-05	0.00044	8.86	0.69	Chuk
1436606_at	4.73	3.46E-05	0.00045	6.28	1.18	Zfp498
1453155_at	4.72	3.50E-05	0.00045	9.19	0.72	Tmem50a
1456865_x_at	4.72	3.53E-05	0.00045	11.00	0.73	Rrs1
1452350_at	4.71	3.61E-05	0.00046	6.10	1.05	Brd8
1445456_at	4.71	3.61E-05	0.00046	4.12	0.93	NA
1436884_x_at	4.71	3.64E-05	0.00046	9.55	0.58	Ewsr1
1420342_at	4.71	3.67E-05	0.00047	8.00	0.97	Gdap10
1417851_at	4.70	3.72E-05	0.00047	7.80	2.34	Cxcl13
1435163_at	4.70	3.73E-05	0.00047	7.11	0.99	9030612M13Rik
1438700_at	4.70	3.74E-05	0.00047	6.80	1.11	Fnbp4
1427162_a_at	4.70	3.74E-05	0.00047	9.83	0.62	Elk4
1449292_at	4.70	3.78E-05	0.00048	10.79	0.57	Rb1cc1
1452371_at	4.69	3.81E-05	0.00048	10.59	0.57	Sfrs11
1423982_at	4.69	3.82E-05	0.00048	9.45	0.61	Fusip1
1437461_s_at	4.69	3.84E-05	0.00048	9.38	0.61	Rnpc3
1432827_x_at	4.69	3.88E-05	0.00048	14.32	0.41	Ubc
1437735_at	4.68	3.92E-05	0.00049	9.75	0.60	Ppp1r12a
1428539_at	4.68	3.97E-05	0.00049	8.18	0.88	2610207I05Rik
1440076_at	4.68	3.98E-05	0.00049	6.07	1.22	Sqstm1
1431252_a_at	4.68	3.99E-05	0.00049	6.87	1.11	Zfp655
1450990_at	4.68	4.02E-05	0.00050	6.70	0.97	Gpc3
1420961_a_at	4.68	4.02E-05	0.00050	4.29	0.94	Ivns1abp
1434280_at	4.68	4.03E-05	0.00050	8.04	1.39	Wiz
1422603_at	4.67	4.05E-05	0.00050	10.92	0.69	Rnase4
1457027_at	4.67	4.15E-05	0.00051	5.94	1.10	Dhtkd1
1460099_at	4.66	4.18E-05	0.00051	3.53	0.85	Atp9b
1416424_at	4.66	4.19E-05	0.00051	7.53	0.93	M6prbp1
1457302_at	4.65	4.31E-05	0.00053	5.05	1.12	Slc20a2
1454664_a_at	4.65	4.31E-05	0.00053	11.74	0.51	Eif5
1448391_at	4.65	4.37E-05	0.00053	10.10	0.62	Rab9
1454605_a_at	4.65	4.42E-05	0.00054	7.48	0.91	Pi4k2a
1417124_at	4.64	4.48E-05	0.00055	11.01	0.76	Dstn
1426810_at	4.64	4.49E-05	0.00055	7.86	0.76	Jmjd1a
1437747_at	4.64	4.50E-05	0.00055	7.28	1.34	Ube4a
1437878_s_at	4.64	4.52E-05	0.00055	8.37	0.88	Ttc14
1418048_at	4.63	4.57E-05	0.00055	9.55	0.56	1110059G10Rik
1459765_s_at	4.63	4.57E-05	0.00055	12.47	0.47	Sf1
1415688_at	4.63	4.59E-05	0.00055	12.64	0.40	Ube2g1
1439316_at	4.63	4.60E-05	0.00055	7.50	0.91	Rbm39
1449254_at	4.63	4.60E-05	0.00055	7.89	1.02	Spp1
1457035_at	4.63	4.61E-05	0.00055	7.92	1.09	AI607873
1438954_x_at	4.63	4.63E-05	0.00056	7.95	1.10	Figf
1423047_at	4.62	4.70E-05	0.00056	8.93	0.70	Tollip
1432665_at	4.62	4.75E-05	0.00057	5.79	1.07	2210416J07Rik
1439173_at	4.62	4.76E-05	0.00057	5.66	1.19	Hook1
1422018_at	4.62	4.79E-05	0.00057	9.93	0.68	Hivep2
1455399_at	4.61	4.86E-05	0.00058	10.78	0.66	Cnksr1
1422025_at	4.61	4.89E-05	0.00058	6.10	1.08	Mitf
1448228_at	4.61	4.90E-05	0.00058	7.95	1.51	Lox
1424540_at	4.61	4.90E-05	0.00058	8.84	0.76	Hipk1
1440373_at	4.61	4.93E-05	0.00058	5.01	1.04	Elavl1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1423875_at	4.60	5.08E-05	0.00060	5.96	1.10	AI450540
1425319_s_at	4.59	5.18E-05	0.00061	9.38	0.58	6530403A03Rik
1416860_s_at	4.59	5.23E-05	0.00061	9.39	0.61	Ing1
1418469_at	4.59	5.24E-05	0.00061	8.11	0.92	Nrip1
1417145_at	4.59	5.24E-05	0.00061	5.77	1.04	Nfxl1
1452519_a_at	4.59	5.26E-05	0.00062	8.54	1.23	Zfp36
1453185_at	4.59	5.26E-05	0.00062	8.22	0.81	Sfrs18
1460541_at	4.58	5.30E-05	0.00062	6.35	1.11	Slc7a6
1446146_at	4.58	5.38E-05	0.00063	4.34	0.94	Gjc1
1458423_at	4.58	5.41E-05	0.00063	5.55	1.03	Luc7l2
1428301_at	4.58	5.42E-05	0.00063	6.76	1.39	ENSMUSG00000068790
1430978_at	4.58	5.46E-05	0.00063	5.40	0.96	Rps25
1424988_at	4.57	5.46E-05	0.00063	9.84	0.57	Myliip
1432195_s_at	4.57	5.51E-05	0.00064	9.66	0.62	Ccnl2
1429217_at	4.57	5.55E-05	0.00064	5.83	1.10	Zfp655
1452774_at	4.57	5.58E-05	0.00064	10.75	0.54	Hnrpa3
1435748_at	4.57	5.59E-05	0.00064	7.84	0.93	Gda
1418640_at	4.56	5.79E-05	0.00066	8.94	0.66	Sirt1
1425476_at	4.55	5.81E-05	0.00066	6.52	0.98	Col4a5
1452502_at	4.55	5.86E-05	0.00067	2.97	0.73	ENSMUSG00000050599
1426792_s_at	4.55	5.90E-05	0.00067	6.87	1.06	Rusc2
1431541_at	4.54	6.01E-05	0.00069	3.33	0.78	Stt3b
1433654_at	4.54	6.09E-05	0.00069	11.42	0.54	Mgea5
1424669_at	4.54	6.10E-05	0.00069	8.36	0.72	Zfyve21
1426124_a_at	4.54	6.11E-05	0.00069	11.38	0.61	Clk1
1453760_at	4.54	6.12E-05	0.00069	6.14	1.34	Mier1
1438322_x_at	4.53	6.17E-05	0.00070	11.59	0.56	Fdft1
1418250_at	4.53	6.18E-05	0.00070	6.15	1.59	Arl4d
1458083_at	4.53	6.29E-05	0.00071	4.12	0.92	4932438A13Rik
1422793_at	4.53	6.34E-05	0.00071	8.19	0.90	Pafah1b2
1433924_at	4.53	6.34E-05	0.00071	10.60	1.20	Peg3
1431218_at	4.53	6.34E-05	0.00071	5.43	1.17	Zdhhc20
1458346_x_at	4.52	6.38E-05	0.00072	5.27	0.97	Atp2b1
1418094_s_at	4.52	6.43E-05	0.00072	6.65	1.19	Car4
1422153_a_at	4.52	6.52E-05	0.00073	12.78	0.45	Asb11
1445198_at	4.52	6.52E-05	0.00073	5.63	1.28	Utx
1428724_at	4.52	6.53E-05	0.00073	5.19	1.06	Pcf11
1438761_a_at	4.51	6.57E-05	0.00073	11.20	0.59	EG666231
1424251_a_at	4.51	6.61E-05	0.00074	11.84	0.54	Hnrpd1
1443962_at	4.51	6.64E-05	0.00074	8.67	0.81	Tfdp2
1450890_a_at	4.51	6.67E-05	0.00074	9.68	0.57	Abi1
1418323_at	4.51	6.69E-05	0.00074	5.93	1.12	Fem1b
1444591_at	4.51	6.70E-05	0.00074	5.67	1.09	Pik3r1
1448908_at	4.50	6.76E-05	0.00075	9.84	0.60	Ppap2b
1423375_at	4.50	6.79E-05	0.00075	7.03	0.88	1700023B02Rik
1426985_s_at	4.49	6.97E-05	0.00077	8.57	0.71	2810485I05Rik
1419553_a_at	4.49	6.97E-05	0.00077	10.19	0.55	Rabggtb
1443893_at	4.49	7.00E-05	0.00077	3.45	0.78	Ywhaz
1434044_at	4.49	7.07E-05	0.00077	9.33	0.67	Repin1
1448149_at	4.49	7.10E-05	0.00078	10.16	0.59	Ctnna1
1420310_at	4.49	7.12E-05	0.00078	5.26	2.52	NA
1434177_at	4.48	7.20E-05	0.00078	6.08	0.98	Ece1
1438730_at	4.48	7.25E-05	0.00079	4.55	1.02	BC028801

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1435346_at	4.48	7.27E-05	0.00079	7.53	0.84	Ccdc82
1441224_at	4.47	7.39E-05	0.00080	5.64	1.16	Drp2
1420394_s_at	4.47	7.41E-05	0.00080	6.96	1.13	Lilrb4
1428100_at	4.47	7.43E-05	0.00080	9.14	0.67	Sfrs1
1456541_x_at	4.47	7.47E-05	0.00081	10.00	0.55	Atad3a
1429515_at	4.47	7.56E-05	0.00082	9.91	0.61	Ubr2
1439920_at	4.47	7.56E-05	0.00082	4.24	1.01	NA
1418033_s_at	4.46	7.67E-05	0.00083	3.68	0.81	Zkscan6
1419255_at	4.46	7.69E-05	0.00083	7.95	0.83	Spnb2
1423170_at	4.46	7.72E-05	0.00083	7.36	0.90	Taf7
1429806_at	4.46	7.73E-05	0.00083	4.87	0.92	Eral1
1454774_at	4.46	7.74E-05	0.00083	10.64	0.54	Zfp445
1449733_s_at	4.45	7.86E-05	0.00084	7.57	0.85	Siah1a
1449028_at	4.45	7.87E-05	0.00084	8.67	0.74	Rhou
1422811_at	4.45	7.98E-05	0.00086	8.53	0.89	Slc27a1
1443388_at	4.45	8.00E-05	0.00086	3.63	0.81	1300018I05Rik
1452960_at	4.45	8.03E-05	0.00086	8.59	0.74	Scyl3
1433574_at	4.45	8.05E-05	0.00086	8.91	0.68	Cdc37l1
1436740_at	4.44	8.14E-05	0.00087	8.68	0.65	6820431F20Rik
1440815_x_at	4.44	8.20E-05	0.00087	3.85	1.21	LOC624112
1436455_at	4.44	8.23E-05	0.00088	3.64	1.37	Asph
1429080_at	4.44	8.26E-05	0.00088	8.81	0.65	Mphosph10
1435221_at	4.44	8.30E-05	0.00088	5.14	1.06	NA
1429514_at	4.43	8.34E-05	0.00088	11.17	0.57	Ppap2b
1436697_at	4.42	8.63E-05	0.00091	7.18	0.89	NA
1425001_at	4.42	8.65E-05	0.00091	6.79	1.08	Rnf146
1455082_at	4.42	8.69E-05	0.00092	8.29	0.89	Cblb
1449038_at	4.42	8.74E-05	0.00092	7.83	1.08	Hsd11b1
1435833_at	4.42	8.80E-05	0.00093	4.82	0.94	NA
1423436_at	4.41	8.84E-05	0.00093	5.51	1.39	Gsta3
1460336_at	4.41	8.86E-05	0.00093	9.28	1.02	Ppargc1a
1425559_a_at	4.41	8.87E-05	0.00093	4.00	1.16	Acsn3
1457491_at	4.41	8.89E-05	0.00093	3.58	0.71	Plekha1
1416727_a_at	4.41	8.96E-05	0.00094	11.53	0.64	Cyb5
1443983_at	4.41	8.99E-05	0.00094	8.21	0.99	Sorbs1
1425522_at	4.40	9.28E-05	0.00097	4.77	1.02	Rbm25
1424937_at	4.40	9.29E-05	0.00097	9.77	0.75	2310076L09Rik
1430295_at	4.40	9.37E-05	0.00097	6.44	1.04	Gna13
1425745_a_at	4.39	9.43E-05	0.00098	13.47	0.55	Tacc2
1437001_at	4.39	9.61E-05	0.00100	9.43	0.73	Gsk3b
1425631_at	4.39	9.66E-05	0.00100	11.67	0.73	Ppp1r3c
1443926_at	4.38	9.69E-05	0.00100	3.57	0.73	Meis2
1422461_at	4.38	9.71E-05	0.00100	7.48	0.89	Atad3a
1434548_at	4.38	9.93E-05	0.00102	7.56	0.85	Serinc3
1456256_at	4.37	0.00010	0.00103	10.17	0.58	Eif5
1417654_at	4.37	0.00010	0.00103	7.43	0.81	Sdc4
1426599_a_at	4.37	0.00010	0.00103	8.17	0.94	Slc2a1
1454815_at	4.37	0.00010	0.00104	9.98	0.64	Sertad2
1449484_at	4.37	0.00010	0.00105	3.88	1.05	Stc2
1416121_at	4.36	0.00010	0.00105	8.19	1.18	Lox
1419766_at	4.36	0.00010	0.00105	4.26	0.84	Snf1lk
1426154_s_at	4.36	0.00010	0.00106	5.15	1.32	Mup3
1429337_at	4.36	0.00011	0.00107	6.81	1.11	Tmem87b

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1436893_a_at	4.36	0.00011	0.00107	9.67	0.61	Mar-07
1422397_a_at	4.35	0.00011	0.00107	6.08	0.90	Il15ra
1421880_at	4.35	0.00011	0.00107	9.25	0.68	Mtmr1
1444036_at	4.34	0.00011	0.00111	4.26	0.99	Ppp2r5a
1420174_s_at	4.34	0.00011	0.00111	8.28	0.81	Tax1bp1
1448005_at	4.34	0.00011	0.00111	9.48	0.64	Sash1
1416041_at	4.34	0.00011	0.00111	12.75	0.98	Sgk1
1423632_at	4.33	0.00011	0.00113	7.43	0.80	Gpr146
1430542_a_at	4.33	0.00011	0.00114	9.47	0.58	Slc25a5
1440123_at	4.32	0.00012	0.00116	4.35	0.93	NA
1426372_a_at	4.32	0.00012	0.00117	8.11	0.84	Bet1l
1438443_at	4.32	0.00012	0.00118	10.64	0.54	Zbtb20
1448986_x_at	4.32	0.00012	0.00118	8.58	0.84	Dnase2a
1416324_s_at	4.31	0.00012	0.00119	9.01	0.84	Kctd20
1424883_s_at	4.31	0.00012	0.00119	10.74	0.50	Sfrs7
1434694_at	4.31	0.00012	0.00121	8.92	0.62	Lrrc8a
1426979_at	4.30	0.00012	0.00121	10.42	0.57	Mlxip
1428967_at	4.30	0.00012	0.00123	7.22	0.76	Igf1r
1441976_at	4.29	0.00013	0.00125	4.72	0.91	5430434G16Rik
1453817_at	4.29	0.00013	0.00125	4.55	1.01	Abca6
1448900_at	4.29	0.00013	0.00125	9.20	0.65	D16H22S680E
1438946_at	4.29	0.00013	0.00127	4.98	0.98	Pdgfra
1451839_a_at	4.29	0.00013	0.00127	10.07	0.57	Pde7a
1440726_at	4.29	0.00013	0.00127	4.34	0.84	A230062I15Rik
1451336_at	4.28	0.00013	0.00129	6.24	0.97	Lgals4
1417422_at	4.28	0.00013	0.00129	5.42	1.02	Gnmt
1428348_at	4.28	0.00013	0.00130	9.40	0.53	Gzf1
1422469_at	4.27	0.00013	0.00131	8.50	0.65	Tbk1
1436759_x_at	4.27	0.00013	0.00131	10.68	0.53	Cnn3
1453189_at	4.27	0.00014	0.00132	4.74	0.98	Ube2i
1441115_at	4.27	0.00014	0.00133	4.82	1.16	D18Ert232e
1459477_at	4.26	0.00014	0.00134	3.94	0.78	Gabarapl2
1418058_at	4.26	0.00014	0.00135	8.30	0.66	Elt1
1456378_s_at	4.26	0.00014	0.00136	8.80	0.67	Fbxl20
1459760_at	4.26	0.00014	0.00136	3.58	0.88	Ndufs4
1429479_at	4.25	0.00014	0.00137	3.77	0.71	Magef1
1422900_at	4.25	0.00014	0.00137	7.24	0.83	Mgea5
1429081_at	4.25	0.00014	0.00137	10.29	0.63	Gcc2
1440563_at	4.25	0.00014	0.00137	4.41	0.91	2010111I01Rik
1419829_a_at	4.25	0.00014	0.00137	6.87	0.96	Gab2
1436318_at	4.25	0.00015	0.00139	8.92	0.60	Tardbp
1427907_at	4.23	0.00015	0.00145	6.50	0.91	1110037F02Rik
1437424_at	4.23	0.00015	0.00146	6.65	0.94	Syde2
1454174_a_at	4.23	0.00016	0.00147	5.36	1.03	C330007P06Rik
1419700_a_at	4.23	0.00016	0.00147	6.93	1.04	Prom1
1443762_s_at	4.22	0.00016	0.00149	7.93	0.79	Sbf2
1420888_at	4.22	0.00016	0.00150	6.00	0.94	Bcl2l1
1416323_at	4.22	0.00016	0.00150	8.97	0.91	Kctd20
1421122_at	4.22	0.00016	0.00150	8.47	0.68	Cbll1
1460315_s_at	4.21	0.00016	0.00152	9.61	0.56	Tbk1
1451335_at	4.21	0.00016	0.00152	6.37	1.57	Plac8
1441177_at	4.21	0.00016	0.00153	4.10	0.93	NA
1438506_s_at	4.21	0.00016	0.00154	7.81	0.71	Abi1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1419283_s_at	4.21	0.00016	0.00154	10.94	0.58	Tns1
1427043_s_at	4.20	0.00017	0.00155	9.45	0.85	Enox2
1452209_at	4.20	0.00017	0.00156	9.55	0.61	Pkp4
1453186_at	4.20	0.00017	0.00157	8.49	0.63	Sfrs18
1459641_at	4.19	0.00017	0.00158	4.08	0.90	Psmb2
1435089_at	4.19	0.00017	0.00158	4.55	0.97	2010111I01Rik
1459917_at	4.19	0.00017	0.00159	5.83	1.02	Ggnbp2
1440833_at	4.19	0.00017	0.00161	4.51	0.89	Cdc2l5
1453224_at	4.18	0.00018	0.00162	8.04	0.86	Zfand5
1418892_at	4.18	0.00018	0.00163	8.54	0.66	Rhoj
1452590_a_at	4.18	0.00018	0.00164	6.19	1.05	Plac9
1437041_at	4.18	0.00018	0.00164	10.51	0.58	Sfrs18
1452268_at	4.18	0.00018	0.00164	8.96	0.59	2810485I05Rik
1423772_x_at	4.18	0.00018	0.00164	10.47	0.53	Slc25a5
1435072_at	4.18	0.00018	0.00165	9.13	0.99	Zfyve1
1457915_at	4.17	0.00018	0.00165	5.46	0.89	4833442J19Rik
1427038_at	4.17	0.00018	0.00166	6.24	0.98	Penk1
1418146_a_at	4.17	0.00018	0.00166	9.45	0.67	Rbl2
1436947_a_at	4.17	0.00018	0.00167	12.54	0.40	Txn1
1439786_at	4.17	0.00018	0.00168	3.61	0.85	Gab2
1423177_a_at	4.17	0.00019	0.00169	9.40	0.54	Abi1
1420887_a_at	4.16	0.00019	0.00171	4.28	0.88	Bcl2l1
1448254_at	4.16	0.00019	0.00171	7.19	1.38	Ptn
1422902_s_at	4.16	0.00019	0.00173	9.27	0.65	Mgea5
1438295_at	4.16	0.00019	0.00173	4.22	0.86	Glcci1
1438433_at	4.15	0.00019	0.00174	5.53	0.86	Whdc1
1417234_at	4.15	0.00019	0.00174	4.42	0.86	Mmp11
1424537_at	4.15	0.00019	0.00175	3.30	1.05	Gmcl1l
1425881_at	4.15	0.00019	0.00176	3.88	1.08	Psg28
1439872_at	4.15	0.00020	0.00177	3.58	0.81	NA
1437046_x_at	4.15	0.00020	0.00177	9.05	0.69	4930504E06Rik
1451924_a_at	4.14	0.00020	0.00177	5.26	0.89	Edn1
1449300_at	4.14	0.00020	0.00179	4.29	1.03	Cttnbp2nl
1437807_x_at	4.14	0.00020	0.00180	11.60	0.53	Ctnna1
1433462_a_at	4.14	0.00020	0.00180	5.84	1.01	Pi4k2a
1443618_at	4.14	0.00020	0.00180	3.67	0.73	Pdzd2
1449446_at	4.13	0.00020	0.00182	6.75	0.87	Ccdc59
1425649_at	4.13	0.00021	0.00183	3.66	0.86	Slc39a14
1431166_at	4.13	0.00021	0.00185	4.22	0.84	Chd1
1457373_at	4.13	0.00021	0.00185	5.13	0.96	NA
1438178_x_at	4.13	0.00021	0.00185	10.51	0.49	Atad3a
1417162_at	4.13	0.00021	0.00185	10.53	0.60	Tmbim1
1427171_at	4.12	0.00021	0.00186	8.30	0.70	Rlf
1437200_at	4.12	0.00021	0.00188	10.38	0.49	Fcho2
1418278_at	4.12	0.00021	0.00188	4.53	1.53	Apoc3
1436970_a_at	4.12	0.00021	0.00188	10.11	0.54	Pdgrfb
1417268_at	4.12	0.00021	0.00189	4.58	1.15	Cd14
1429379_at	4.11	0.00022	0.00190	8.38	0.89	Lyve1
1445561_at	4.11	0.00022	0.00190	3.33	0.65	Grip1
1433740_at	4.11	0.00022	0.00190	8.55	0.68	Tmem87b
1440396_at	4.11	0.00022	0.00191	4.16	0.85	Mpp6
1449118_at	4.11	0.00022	0.00192	10.35	0.49	Dbt
1447109_at	4.11	0.00022	0.00192	5.30	0.92	Elavl1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1416048_at	4.11	0.00022	0.00192	7.39	0.88	Phc2
1427888_a_at	4.11	0.00022	0.00192	10.00	0.53	Spna2
1427163_at	4.10	0.00022	0.00195	7.57	0.77	Ubr2
1418494_at	4.10	0.00022	0.00196	4.97	0.91	Ebf2
1435749_at	4.10	0.00022	0.00196	7.54	0.85	Gda
1457429_s_at	4.10	0.00023	0.00197	5.20	0.93	Gm106
1425848_a_at	4.10	0.00023	0.00197	9.94	0.50	Dusp26
1418627_at	4.10	0.00023	0.00197	6.92	0.92	Gclm
1458452_at	4.10	0.00023	0.00197	6.85	0.91	Ankrd11
1452332_at	4.10	0.00023	0.00197	6.42	0.84	Ccdc85a
1448167_at	4.09	0.00023	0.00200	7.44	0.83	Ifngr1
1425641_at	4.09	0.00023	0.00200	4.18	0.82	Aff1
1422570_at	4.09	0.00023	0.00200	6.57	1.00	Yy1
1453851_a_at	4.09	0.00023	0.00203	10.21	1.39	Gadd45g
1455675_a_at	4.09	0.00023	0.00203	7.82	0.68	Tial1
1416145_at	4.08	0.00024	0.00204	11.36	0.47	Dhx15
1421917_at	4.08	0.00024	0.00204	9.84	0.53	Pdgfra
1425066_a_at	4.08	0.00024	0.00204	9.00	0.62	Mtmr14
1448022_at	4.08	0.00024	0.00206	3.69	1.02	NA
1417719_at	4.08	0.00024	0.00207	8.54	0.68	Sap30
1417694_at	4.08	0.00024	0.00207	8.29	0.86	Gab1
1439989_at	4.07	0.00024	0.00208	3.80	0.86	Tsc1
1429776_a_at	4.07	0.00024	0.00208	8.81	0.64	Dnajb6
1429786_a_at	4.07	0.00024	0.00208	8.78	0.69	Zwint
1455109_at	4.07	0.00024	0.00208	5.38	0.97	Tbl1xr1
1429094_at	4.07	0.00025	0.00210	8.33	0.79	Ddi2
1425384_a_at	4.07	0.00025	0.00210	6.89	1.01	Ube4a
1437534_at	4.07	0.00025	0.00210	3.85	1.57	EG668701
1431664_at	4.07	0.00025	0.00211	3.24	0.61	Luc7l
1428697_at	4.06	0.00025	0.00215	9.19	0.58	Dpp8
1458635_at	4.06	0.00025	0.00215	6.17	1.25	4832428D23Rik
1450717_at	4.06	0.00026	0.00216	5.53	0.86	Ang
1415822_at	4.06	0.00026	0.00216	9.03	0.60	Scd2
1434681_at	4.06	0.00026	0.00216	9.69	0.63	4932441K18Rik
1438321_x_at	4.05	0.00026	0.00217	10.60	0.65	4930504E06Rik
1455429_at	4.05	0.00026	0.00218	8.15	0.77	AI450540
1452610_at	4.05	0.00026	0.00218	4.84	0.87	Zkscan14
1429810_at	4.05	0.00026	0.00218	5.33	1.02	4921505C17Rik
1417902_at	4.05	0.00026	0.00218	7.00	0.84	Slc19a2
1449342_at	4.05	0.00026	0.00220	7.74	1.56	Ptplb
1416800_at	4.05	0.00026	0.00221	7.78	0.66	Trpm7
1423249_at	4.04	0.00027	0.00224	7.82	0.83	Nktr
1455083_at	4.04	0.00027	0.00225	8.41	0.63	Atp11c
1456629_at	4.03	0.00027	0.00227	6.95	0.98	Kank3
1453976_at	4.03	0.00028	0.00229	4.70	0.84	4432414F05Rik
1429418_at	4.03	0.00028	0.00231	8.32	0.59	Cdc14b
1431697_at	4.02	0.00028	0.00233	4.24	0.91	Synj2
1460601_at	4.02	0.00028	0.00235	4.83	0.89	Myrip
1428111_at	4.02	0.00029	0.00236	11.36	0.58	Slc38a4
1422024_at	4.02	0.00029	0.00236	6.94	0.82	Fli1
1421005_at	4.02	0.00029	0.00237	5.58	0.93	Cep110
1452697_at	4.01	0.00029	0.00238	8.32	0.70	Ctdp1
1456216_at	4.01	0.00029	0.00238	7.46	0.81	NA

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1428907_at	4.01	0.00029	0.00242	10.47	0.49	Rbm25
1437114_at	4.01	0.00030	0.00244	5.61	0.95	A930001N09Rik
1437410_at	4.01	0.00030	0.00244	3.66	0.71	Aldh2
1436770_x_at	4.00	0.00030	0.00244	4.93	0.97	Psma1
1439568_at	4.00	0.00030	0.00245	3.36	0.81	Greb1
1424778_at	4.00	0.00030	0.00247	5.57	0.96	Reep3
1449816_at	4.00	0.00030	0.00247	5.20	0.87	Sult5a1
1426827_at	4.00	0.00030	0.00248	9.50	0.49	Ythdc1
1419181_at	4.00	0.00030	0.00248	8.77	0.57	Zfp326
1422064_a_at	4.00	0.00030	0.00248	10.20	0.53	Zbtb20
1433598_at	4.00	0.00031	0.00249	6.77	1.06	Arglu1
1453015_at	3.99	0.00031	0.00251	7.70	0.97	5830471E12Rik
1427263_at	3.99	0.00031	0.00251	8.45	0.89	Xist
1447447_s_at	3.99	0.00031	0.00252	9.93	0.47	Srrm1
1418187_at	3.99	0.00031	0.00253	7.39	0.74	Ramp2
1440415_at	3.99	0.00031	0.00253	3.90	0.77	5830403L16Rik
1455033_at	3.98	0.00032	0.00256	7.59	0.77	B430201A12Rik
1435171_at	3.98	0.00032	0.00256	7.78	0.74	LOC100040353
1438320_s_at	3.98	0.00032	0.00257	8.05	0.84	Mcm7
1439314_at	3.98	0.00032	0.00258	5.58	0.94	Clock
1448690_at	3.98	0.00032	0.00258	3.76	0.70	Kcnk1
1421140_a_at	3.98	0.00032	0.00259	5.44	0.86	Foxp1
1460666_a_at	3.98	0.00032	0.00260	5.53	0.90	Ebf3
1424768_at	3.97	0.00033	0.00260	9.33	0.53	Cald1
1417936_at	3.97	0.00033	0.00262	8.20	1.09	Ccl9
1455570_x_at	3.97	0.00033	0.00262	10.32	0.52	Cnn3
1424124_at	3.97	0.00033	0.00263	9.83	0.50	Mospd2
1450407_a_at	3.97	0.00033	0.00264	9.11	0.56	Anp32a
1436624_at	3.97	0.00033	0.00264	6.02	1.09	Dnm3
1425456_a_at	3.97	0.00033	0.00264	8.99	0.57	Map2k3
1431024_a_at	3.97	0.00033	0.00264	7.82	0.69	Arid4b
1434161_at	3.97	0.00033	0.00265	8.82	0.58	Lin52
1452914_at	3.97	0.00033	0.00265	4.22	0.85	2410024N18Rik
1448256_at	3.96	0.00034	0.00272	4.39	0.88	Gosr1
1445048_at	3.96	0.00034	0.00272	4.28	0.81	Baz2b
1436769_at	3.95	0.00034	0.00273	3.91	0.78	Psma1
1426480_at	3.95	0.00035	0.00274	9.24	0.63	Sbds
1441328_at	3.95	0.00035	0.00277	5.92	0.91	NA
1449051_at	3.95	0.00035	0.00277	6.34	1.26	Ppara
1417355_at	3.95	0.00035	0.00278	10.68	1.16	Peg3
1442063_at	3.93	0.00037	0.00288	5.73	0.96	Adamts1
1439380_x_at	3.93	0.00037	0.00291	7.97	0.90	Meg3
1433789_at	3.93	0.00037	0.00292	4.56	0.84	Snhg3
1444447_at	3.92	0.00038	0.00292	4.29	0.83	Nek7
1442901_at	3.92	0.00038	0.00293	3.36	0.67	Tax1bp1
1437660_at	3.92	0.00038	0.00293	7.43	0.73	Nktr
1435602_at	3.92	0.00038	0.00294	10.42	0.47	NA
1424843_a_at	3.92	0.00038	0.00297	6.07	0.96	Gas5
1458658_at	3.92	0.00038	0.00297	3.54	0.74	NA
1435267_at	3.92	0.00038	0.00298	7.62	0.80	A430108E01Rik
1444231_at	3.91	0.00039	0.00299	4.48	0.84	Zdhhc6
1435001_at	3.91	0.00039	0.00301	8.43	0.64	Plaa
1437239_x_at	3.91	0.00039	0.00303	8.16	0.72	Phc2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1437177_at	3.90	0.00040	0.00307	9.19	0.55	Larp4
1455975_x_at	3.90	0.00040	0.00310	10.22	0.51	Zfp313
1454654_at	3.90	0.00040	0.00310	10.00	0.51	Dirc2
1434904_at	3.90	0.00040	0.00310	7.61	0.84	Hivep2
1437647_at	3.90	0.00040	0.00310	4.13	0.76	Dido1
1429359_s_at	3.90	0.00041	0.00312	6.83	0.78	Rbpms
1419256_at	3.89	0.00041	0.00314	9.76	0.48	Spnb2
1456609_at	3.89	0.00042	0.00317	6.75	0.78	Camk2n1
1424527_at	3.89	0.00042	0.00318	8.77	0.56	Ppp2r2d
1423757_x_at	3.89	0.00042	0.00319	6.57	0.88	Igfbp4
1448949_at	3.89	0.00042	0.00319	8.16	1.02	Car4
1453023_at	3.89	0.00042	0.00319	8.12	0.67	1110004O12Rik
1433467_at	3.89	0.00042	0.00320	7.98	0.73	Slc7a6
1457323_at	3.89	0.00042	0.00320	4.49	0.77	C030030A07Rik
1435990_at	3.89	0.00042	0.00320	3.80	0.78	Adamts2
1444753_at	3.88	0.00042	0.00320	3.36	0.85	Nek7
1443160_at	3.88	0.00042	0.00322	3.34	0.65	Sbf2
1426826_at	3.88	0.00042	0.00322	9.12	0.58	Rbm16
1428845_at	3.88	0.00043	0.00324	10.58	0.44	Bclaf1
1443029_at	3.88	0.00043	0.00324	3.53	0.62	Ppfibp1
1423663_at	3.88	0.00043	0.00325	8.85	0.56	Flcn
1435198_at	3.87	0.00043	0.00328	6.91	0.78	LOC545228
1415850_at	3.87	0.00044	0.00332	7.02	0.98	Rasa3
1434510_at	3.87	0.00044	0.00334	6.75	1.05	Papss2
1417067_s_at	3.86	0.00045	0.00338	10.06	0.51	Cabc1
1417622_at	3.86	0.00045	0.00338	10.97	0.59	Slc12a2
1434279_at	3.86	0.00045	0.00338	6.55	1.09	Mtm1
1430615_at	3.86	0.00045	0.00338	6.08	1.02	Ttll7
1442358_at	3.86	0.00045	0.00339	3.74	0.88	AA409587
1431181_a_at	3.86	0.00046	0.00342	4.41	0.84	Luc7l
1434401_at	3.86	0.00046	0.00343	7.82	0.69	Zcchc2
1426445_at	3.85	0.00046	0.00344	9.56	0.51	Ctage5
1459874_s_at	3.85	0.00046	0.00344	8.59	0.57	Mtmr4
1458233_at	3.85	0.00046	0.00345	4.36	0.81	Fryl
1458508_at	3.85	0.00046	0.00345	4.65	0.86	Matr3
1436874_x_at	3.85	0.00046	0.00346	10.31	0.49	Slc25a5
1452777_a_at	3.85	0.00047	0.00346	8.59	0.61	Nub1
1418745_at	3.85	0.00047	0.00348	5.99	0.95	Omd
1447187_at	3.84	0.00048	0.00353	4.47	0.80	Ripk5
1456574_at	3.84	0.00048	0.00353	6.86	0.84	NA
1437544_at	3.84	0.00048	0.00355	6.49	0.92	Fubp1
1437667_a_at	3.84	0.00048	0.00356	5.99	1.47	Bach2
1435075_at	3.84	0.00048	0.00357	6.92	0.76	Tmem106b
1415723_at	3.84	0.00048	0.00358	11.12	0.47	Eif5
1452345_at	3.83	0.00049	0.00361	12.02	0.49	Lmod2
1441722_at	3.83	0.00049	0.00362	7.76	0.87	Aatf
1423722_at	3.83	0.00049	0.00362	11.65	0.38	Tmem49
1455310_at	3.83	0.00049	0.00362	7.09	0.81	Rbm16
1420386_at	3.83	0.00049	0.00363	3.24	0.59	Seh1l
1419764_at	3.83	0.00050	0.00365	4.61	1.83	Chi3l3
1417111_at	3.83	0.00050	0.00365	9.42	0.61	Man1a
1430047_at	3.83	0.00050	0.00366	8.06	0.79	Brctd1
1430077_at	3.83	0.00050	0.00366	5.36	0.90	Sfrs11

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1433704_s_at	3.83	0.00050	0.00366	10.99	0.49	Tloc1
1435698_at	3.83	0.00050	0.00366	9.07	0.61	4921505C17Rik
1439931_at	3.83	0.00050	0.00366	5.03	0.88	Gsk3b
1435902_at	3.82	0.00050	0.00366	7.15	0.75	Nudt18
1455242_at	3.82	0.00050	0.00366	6.72	0.81	Foxp1
1446297_at	3.82	0.00051	0.00370	3.99	0.73	Hibadh
1423953_at	3.82	0.00051	0.00374	8.15	0.90	Cdka1
1415840_at	3.81	0.00052	0.00377	8.79	0.58	Elovl5
1454037_a_at	3.81	0.00052	0.00379	5.08	0.83	Flt1
1428475_at	3.81	0.00052	0.00381	9.80	0.43	1190005P17Rik
1425974_a_at	3.80	0.00053	0.00384	8.89	0.62	Trim25
1422849_a_at	3.80	0.00053	0.00384	10.77	0.52	Pabpn1
1449065_at	3.80	0.00054	0.00387	7.74	1.33	Acot1
1450637_a_at	3.80	0.00054	0.00390	10.54	0.45	Aebp1
1421103_at	3.80	0.00054	0.00390	7.11	0.81	Bmp2k
1417816_s_at	3.80	0.00054	0.00390	6.78	0.75	Serinc3
1438516_at	3.80	0.00054	0.00390	4.85	0.85	Rif1
1427213_at	3.80	0.00054	0.00391	10.84	0.49	Pfkfb1
1443332_at	3.79	0.00055	0.00392	4.79	0.98	Slc12a2
1428562_at	3.79	0.00055	0.00395	10.20	0.65	2210403K04Rik
1437633_at	3.79	0.00056	0.00402	9.19	0.56	Ankrd11
1450162_at	3.78	0.00057	0.00404	5.15	0.88	Dpf3
1444458_at	3.78	0.00057	0.00406	6.03	0.91	Ctage5
1450117_at	3.78	0.00057	0.00407	4.50	0.73	Tcf3
1447891_at	3.78	0.00057	0.00407	10.63	0.91	Tacc2
1437211_x_at	3.78	0.00057	0.00408	7.57	0.76	Elovl5
1427408_a_at	3.78	0.00058	0.00410	7.45	0.68	Thrap3
1449519_at	3.77	0.00058	0.00412	10.69	0.78	Gadd45a
1438928_x_at	3.77	0.00058	0.00413	8.29	0.84	Ninj1
1452159_at	3.77	0.00058	0.00414	8.61	0.59	2310001A20Rik
1448200_at	3.76	0.00060	0.00421	6.98	0.89	Tcn2
1448425_at	3.76	0.00060	0.00423	11.83	0.39	Eif3s10
1430328_at	3.76	0.00060	0.00425	3.29	0.60	Polr3f
1458152_at	3.76	0.00061	0.00429	3.91	0.73	Etfhdh
1434603_at	3.76	0.00061	0.00430	8.46	0.65	Med13l
1425555_at	3.76	0.00061	0.00430	3.93	0.77	Crkrs
1448130_at	3.76	0.00061	0.00430	10.27	0.57	Fdft1
1453028_at	3.75	0.00061	0.00431	7.25	0.80	Pwwp2a
1418822_a_at	3.75	0.00062	0.00434	10.12	0.45	Arf6
1438427_at	3.75	0.00062	0.00434	6.41	0.84	4932442K08Rik
1417867_at	3.75	0.00062	0.00435	12.73	1.06	Cfd
1439496_at	3.75	0.00062	0.00435	7.40	0.79	Ston1
1436108_at	3.75	0.00063	0.00436	3.75	0.66	Txndc9
1426464_at	3.75	0.00063	0.00436	7.46	0.77	Nr1d1
1450642_at	3.75	0.00063	0.00436	10.13	0.49	3110001I20Rik
1437566_at	3.74	0.00063	0.00438	3.93	0.66	Gnl2
1436044_at	3.74	0.00064	0.00443	8.59	0.77	Scn7a
1423437_at	3.74	0.00064	0.00444	3.79	0.92	Gsta3
1434191_at	3.74	0.00064	0.00445	8.72	0.75	Tmem195
1434493_at	3.74	0.00065	0.00447	5.94	0.98	1810022K09Rik
1451020_at	3.74	0.00065	0.00448	8.51	0.64	Gsk3b
1437066_at	3.73	0.00065	0.00450	7.80	0.70	Zbtb20
1437398_a_at	3.73	0.00065	0.00451	6.53	0.86	Aldh9a1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1423324_at	3.73	0.00066	0.00455	10.33	0.43	Pnn
1426655_a_at	3.73	0.00067	0.00458	7.38	0.80	4930504E06Rik
1421657_a_at	3.72	0.00067	0.00461	4.12	0.74	Sox17
1456153_at	3.72	0.00067	0.00462	9.70	0.61	Ssh2
1449461_at	3.72	0.00068	0.00464	7.31	1.31	Rbp7
1415941_s_at	3.72	0.00068	0.00466	6.89	0.76	Zfand2a
1437075_at	3.72	0.00068	0.00466	3.07	0.55	Frmd3
1448232_x_at	3.72	0.00068	0.00469	6.65	0.77	Tuba1c
1437244_at	3.71	0.00069	0.00475	4.33	0.87	Gas2l3
1460545_at	3.71	0.00070	0.00477	9.51	0.45	Thrap3
1435744_at	3.71	0.00070	0.00479	4.71	0.78	6720401G13Rik
1446860_at	3.71	0.00070	0.00480	4.98	0.92	Gab2
1448079_at	3.70	0.00071	0.00483	4.19	0.71	Rnf166
1439950_at	3.70	0.00072	0.00491	3.72	0.70	Dync1h1
1435041_at	3.70	0.00072	0.00491	7.80	0.63	Myl6
1439965_at	3.70	0.00072	0.00491	7.09	0.80	NA
1426489_s_at	3.70	0.00073	0.00492	10.90	0.48	Bfar
1438215_at	3.69	0.00073	0.00493	6.38	0.83	Sfrs3
1415824_at	3.69	0.00073	0.00495	3.58	0.68	Scd2
1458616_at	3.69	0.00074	0.00497	4.30	0.75	B4galt1
1438688_at	3.69	0.00074	0.00497	11.16	0.47	Srrm2
1430541_at	3.69	0.00074	0.00497	3.72	0.65	Fbxo44
1420855_at	3.69	0.00074	0.00497	5.38	0.83	Eln
1423169_at	3.69	0.00074	0.00497	5.91	1.01	Taf7
1423355_at	3.69	0.00074	0.00497	6.40	0.78	Snap29
1449578_at	3.68	0.00075	0.00502	7.30	0.83	Supt16h
1434828_at	3.68	0.00075	0.00502	9.16	0.56	B430201A12Rik
1437119_at	3.68	0.00075	0.00503	8.87	0.60	Ern1
1444701_at	3.68	0.00076	0.00506	3.64	0.66	NA
1444371_at	3.68	0.00076	0.00507	4.30	0.75	A630007B06Rik
1418649_at	3.68	0.00076	0.00508	8.85	0.85	Egln3
1426938_at	3.68	0.00076	0.00508	6.44	0.79	Nova1
1455214_at	3.67	0.00077	0.00513	9.91	0.43	Mitf
1437981_x_at	3.67	0.00078	0.00516	4.46	0.75	1110057K04Rik
1426812_a_at	3.67	0.00078	0.00520	5.01	1.11	9130404D14Rik
1438403_s_at	3.67	0.00079	0.00522	13.30	0.34	Malat1
1435222_at	3.66	0.00079	0.00525	7.90	0.78	Foxp1
1440719_at	3.66	0.00080	0.00526	5.32	0.88	Gle1
1457825_x_at	3.66	0.00080	0.00530	8.84	0.67	Tcn2
1437598_at	3.66	0.00081	0.00533	10.81	0.52	Zbtb20
1416489_at	3.66	0.00081	0.00535	5.15	0.80	Pi4k2b
1434801_x_at	3.66	0.00081	0.00535	9.48	0.49	Slc25a5
1449040_a_at	3.66	0.00081	0.00535	9.41	0.45	Sephs2
1434778_at	3.66	0.00081	0.00535	9.87	0.48	Wapal
1419273_at	3.65	0.00082	0.00537	9.99	0.44	C80913
1429914_at	3.65	0.00082	0.00540	5.57	1.00	Epc1
1452660_s_at	3.65	0.00082	0.00540	11.02	0.44	Klhl7
1447034_at	3.65	0.00082	0.00541	4.88	0.82	Tnpo1
1438675_at	3.65	0.00083	0.00544	6.36	0.75	Sfrs8
1431098_at	3.65	0.00083	0.00545	12.04	0.44	Clip1
1432216_s_at	3.65	0.00083	0.00545	4.62	0.72	Mpp7
1459843_s_at	3.64	0.00084	0.00549	10.26	0.49	Smad1
1420481_at	3.64	0.00084	0.00550	6.40	0.83	Cnnm3

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1449851_at	3.64	0.00084	0.00550	7.51	0.80	Per1
1442018_at	3.64	0.00085	0.00552	3.41	0.59	AI426953
1428332_at	3.64	0.00085	0.00553	10.04	0.57	Pik3ip1
1443870_at	3.64	0.00085	0.00556	9.18	0.54	Abcc4
1452330_a_at	3.64	0.00085	0.00556	8.75	0.54	Mxra8
1455352_at	3.64	0.00086	0.00558	8.55	0.55	NA
1438677_at	3.63	0.00086	0.00560	5.39	0.83	Pkp4
1425338_at	3.63	0.00086	0.00561	5.29	0.87	Plcb4
1420326_s_at	3.63	0.00087	0.00565	8.84	0.54	Cramp1l
1427202_at	3.63	0.00088	0.00569	8.85	0.52	4833442J19Rik
1455094_s_at	3.63	0.00088	0.00572	10.22	0.49	Ube2g1
1423143_at	3.62	0.00089	0.00574	9.97	0.42	Gtpbp4
1428094_at	3.62	0.00089	0.00577	12.02	0.37	Lamp2
1420973_at	3.62	0.00090	0.00578	7.98	0.73	Arid5b
1417250_at	3.62	0.00090	0.00579	7.67	0.73	Rnf12
1444016_at	3.62	0.00090	0.00581	3.76	0.61	Anxa1
1429215_at	3.62	0.00090	0.00581	5.69	0.87	2310058N22Rik
1452720_a_at	3.62	0.00091	0.00585	8.26	0.55	Fip1l1
1420609_at	3.61	0.00091	0.00587	11.80	0.40	Mar-07
1423684_at	3.61	0.00091	0.00587	11.24	0.44	Hnrpk
1457063_at	3.61	0.00092	0.00589	3.46	0.64	Abi3
1425022_at	3.61	0.00092	0.00589	8.22	0.73	Usp3
1417629_at	3.61	0.00092	0.00593	6.00	0.80	Prodh
1434432_at	3.61	0.00093	0.00594	9.20	0.57	Rffl
1452478_at	3.61	0.00093	0.00594	9.43	0.63	Alpk2
1436983_at	3.61	0.00094	0.00598	9.95	0.44	Crebbp
1460147_at	3.61	0.00094	0.00598	7.95	0.67	A730009E18Rik
1457147_at	3.60	0.00094	0.00599	7.18	0.81	Etl4
1428273_at	3.60	0.00094	0.00601	6.41	0.84	Abhd13
1427134_at	3.60	0.00095	0.00603	8.89	0.51	Sfrs12
1419705_at	3.60	0.00095	0.00604	4.46	1.13	Car5b
1456112_at	3.60	0.00096	0.00609	9.29	0.53	Tpr
1429017_at	3.60	0.00096	0.00611	7.73	0.68	Smcr8
1434178_at	3.59	0.00097	0.00618	9.24	0.50	Mil3
1451276_at	3.59	0.00098	0.00620	6.83	0.92	Uhrf1bp1l
1425177_at	3.59	0.00098	0.00620	6.42	0.98	Shmt1
1429545_at	3.59	0.00098	0.00621	3.68	0.69	Ube2i
1453265_at	3.59	0.00098	0.00622	4.29	0.82	4930579C15Rik
1452193_a_at	3.59	0.00099	0.00624	9.45	0.41	Wasl
1456727_a_at	3.58	0.00100	0.00627	9.02	0.55	Csnk1d
1421545_a_at	3.58	0.00100	0.00630	7.58	0.70	Syne1
1428968_at	3.58	0.00101	0.00632	6.18	0.71	Cep57
1436550_at	3.58	0.00101	0.00634	8.86	0.61	Fbxo30
1430576_at	3.58	0.00101	0.00634	5.13	0.84	Tpp2
1436067_at	3.58	0.00101	0.00634	6.43	0.77	Zbtb10
1418888_a_at	3.58	0.00102	0.00637	10.90	0.47	Sepx1
1431292_a_at	3.58	0.00102	0.00638	11.41	0.44	Twf2
1452441_at	3.58	0.00102	0.00638	5.35	0.73	Phf3
1448318_at	3.57	0.00102	0.00639	9.24	0.95	Adfp
1444982_at	3.57	0.00103	0.00640	4.38	0.87	Rhoj
1426777_a_at	3.57	0.00103	0.00644	7.39	0.70	Wasl
1436323_at	3.57	0.00104	0.00646	6.81	0.68	2810001A02Rik
1424544_at	3.57	0.00104	0.00647	4.05	0.67	Nrbp2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1440806_x_at	3.57	0.00104	0.00648	6.48	0.82	5730526G10Rik
1419758_at	3.57	0.00104	0.00648	7.60	0.69	Abcb1a
1431023_at	3.56	0.00105	0.00653	4.97	0.76	C030046E11Rik
1436043_at	3.56	0.00106	0.00659	8.67	0.64	Scn7a
1416083_at	3.56	0.00106	0.00659	13.52	0.43	Zfand5
1460084_at	3.56	0.00107	0.00660	3.65	0.63	NA
1418192_at	3.56	0.00107	0.00660	7.34	0.73	Mnt
1426858_at	3.56	0.00107	0.00660	6.37	1.00	Inhbb
1425021_a_at	3.56	0.00107	0.00660	7.42	0.65	Pex16
1459431_at	3.56	0.00107	0.00662	3.95	0.69	Nfia
1436362_x_at	3.56	0.00108	0.00663	9.84	0.49	2700079J08Rik
1436713_s_at	3.56	0.00108	0.00663	4.20	0.76	Meg3
1416255_at	3.56	0.00108	0.00663	3.27	0.57	Gja4
1454080_at	3.56	0.00108	0.00663	6.08	0.79	Klhdc6
1456395_at	3.55	0.00108	0.00667	8.24	0.92	Ppargc1a
1427052_at	3.55	0.00110	0.00676	11.28	0.48	Acacb
1429100_at	3.55	0.00111	0.00680	5.73	0.78	2010109K11Rik
1451244_a_at	3.54	0.00111	0.00681	7.90	0.69	Zfp422
1460578_at	3.54	0.00112	0.00685	7.56	0.71	Fgd5
1417768_at	3.54	0.00112	0.00687	12.15	0.38	Pnpla8
1452036_a_at	3.54	0.00112	0.00687	10.65	0.52	Tmpo
1457288_at	3.54	0.00112	0.00687	3.94	0.64	Ank3
1450011_at	3.54	0.00114	0.00693	8.98	0.67	Hsd17b12
1443235_at	3.54	0.00114	0.00693	4.11	0.69	Eif2ak4
1420919_at	3.54	0.00114	0.00694	7.78	0.59	Sgk3
1444057_at	3.53	0.00115	0.00695	5.75	0.82	Ubx2
1450772_at	3.53	0.00115	0.00699	4.39	0.83	Wnt11
1437343_x_at	3.53	0.00115	0.00699	7.97	0.65	Atad3a
1460241_a_at	3.53	0.00116	0.00701	8.26	0.55	St3gal5
1423091_a_at	3.53	0.00116	0.00701	7.16	0.74	Gpm6b
1453570_x_at	3.53	0.00116	0.00701	5.11	0.73	Bet1l
1455493_at	3.53	0.00116	0.00703	9.33	0.50	Syne1
1417213_a_at	3.53	0.00117	0.00703	8.37	0.55	Rbm6
1450857_a_at	3.53	0.00117	0.00705	9.95	0.43	Col1a2
1435778_at	3.52	0.00117	0.00707	9.75	0.46	Ankrd11
1424666_at	3.52	0.00118	0.00711	8.07	0.64	Gpatch8
1440347_at	3.52	0.00118	0.00712	4.83	0.71	Arhgap10
1441912_x_at	3.52	0.00119	0.00716	5.83	0.96	C2
1415940_at	3.52	0.00119	0.00718	8.10	0.67	Zfand2a
1433769_at	3.52	0.00120	0.00719	5.11	0.80	Als2cl
1444114_at	3.52	0.00120	0.00720	5.47	0.84	Mkln1
1416344_at	3.52	0.00120	0.00721	9.55	0.48	Lamp2
1426060_at	3.52	0.00120	0.00721	7.24	0.94	NA
1423166_at	3.52	0.00121	0.00721	12.03	0.44	Cd36
1416801_at	3.51	0.00121	0.00723	6.14	0.82	Trpm7
1425241_a_at	3.51	0.00122	0.00725	7.72	0.67	Wsb1
1449679_s_at	3.51	0.00122	0.00726	9.08	0.50	Stx5a
1426084_a_at	3.51	0.00122	0.00727	8.69	0.52	Tor1aip1
1423674_at	3.51	0.00123	0.00730	6.76	0.75	Usp1
1456621_at	3.51	0.00123	0.00731	5.88	0.90	D430015B01Rik
1429504_at	3.51	0.00124	0.00733	7.86	0.82	Rnpc3
1435771_at	3.51	0.00124	0.00734	9.38	0.46	Plcb4
1453740_a_at	3.51	0.00124	0.00734	7.73	0.69	Ccnl2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1436023_at	3.51	0.00124	0.00734	8.93	0.52	Bclaf1
1439278_at	3.50	0.00124	0.00735	8.98	0.54	Zbtb20
1438278_a_at	3.50	0.00125	0.00735	7.75	0.66	BC003993
1422848_a_at	3.50	0.00125	0.00737	9.70	0.46	Pabpn1
1457765_at	3.50	0.00126	0.00740	5.11	0.83	Psmd14
1421879_at	3.50	0.00126	0.00741	7.64	0.69	Mtmr1
1448385_at	3.50	0.00126	0.00741	7.40	0.69	Slc15a4
1454943_a_at	3.50	0.00126	0.00742	4.49	0.74	Paxip1
1456879_at	3.50	0.00127	0.00747	6.93	0.73	C130022K22Rik
1429313_at	3.49	0.00128	0.00748	4.21	0.66	Ror1
1449416_at	3.49	0.00129	0.00750	7.27	0.81	Fzd4
1424405_at	3.49	0.00129	0.00750	7.11	0.74	Mbip
1435370_a_at	3.49	0.00130	0.00756	11.80	0.54	Ces3
1427887_at	3.49	0.00130	0.00757	8.90	0.53	2610304G08Rik
1425282_at	3.49	0.00131	0.00763	3.70	0.78	Rnf144b
1433668_at	3.48	0.00132	0.00764	12.44	0.47	Pnrc1
1438739_at	3.48	0.00132	0.00764	8.80	0.52	Cnbp
1453128_at	3.48	0.00132	0.00766	4.89	0.95	Lyve1
1444695_at	3.48	0.00132	0.00768	3.96	0.68	NA
1447928_at	3.48	0.00133	0.00769	5.14	1.17	Car5b
1416451_s_at	3.48	0.00133	0.00769	6.12	0.84	Taf8
1444677_at	3.48	0.00133	0.00770	4.72	0.74	C77673
1443969_at	3.48	0.00133	0.00770	4.19	0.77	Irs2
1456365_at	3.48	0.00134	0.00774	7.51	0.64	LOC629750
1422980_a_at	3.48	0.00134	0.00774	5.86	0.79	Bet1l
1432176_a_at	3.48	0.00134	0.00774	6.94	0.68	Eng
1456502_at	3.47	0.00135	0.00778	5.93	0.85	Dyrk2
1417321_at	3.47	0.00136	0.00783	10.02	0.41	Zcchc7
1456489_at	3.47	0.00136	0.00783	7.35	0.67	Pcf11
1424155_at	3.47	0.00137	0.00784	8.14	1.07	Fabp4
1437468_x_at	3.47	0.00138	0.00788	12.25	0.35	Fbxw11
1419088_at	3.46	0.00139	0.00796	6.77	0.82	Timp3
1417356_at	3.46	0.00139	0.00796	7.38	1.34	Peg3
1429211_at	3.46	0.00139	0.00796	3.46	0.77	2900078E11Rik
1435434_at	3.46	0.00141	0.00804	6.00	0.79	Braf
1436545_at	3.46	0.00142	0.00806	6.10	0.78	Dtx4
1423251_at	3.46	0.00142	0.00807	10.72	0.49	Luc7l2
1428047_s_at	3.46	0.00143	0.00810	4.90	0.72	Zfx
1437065_at	3.45	0.00143	0.00812	8.56	0.59	Zbtb20
1448802_at	3.45	0.00145	0.00822	8.08	0.67	Nufip1
1429822_at	3.45	0.00145	0.00823	7.01	0.77	4633401B06Rik
1456875_at	3.45	0.00145	0.00823	7.69	0.75	1810013L24Rik
1431044_at	3.45	0.00146	0.00825	3.39	0.57	Thoc1
1417109_at	3.44	0.00147	0.00831	6.21	0.93	Tinagl
1422997_s_at	3.44	0.00148	0.00832	8.35	1.06	Acot2
1442176_at	3.44	0.00148	0.00832	3.74	0.69	Arid5b
1448937_at	3.44	0.00148	0.00834	6.52	0.78	Slc35b3
1425562_s_at	3.44	0.00149	0.00837	9.10	0.46	Trnt1
1441285_at	3.44	0.00149	0.00837	5.27	0.92	4833426J09Rik
1423858_a_at	3.44	0.00149	0.00838	6.09	1.26	Hmgcs2
1422785_at	3.44	0.00149	0.00838	5.27	0.75	Rasa2
1437042_at	3.44	0.00150	0.00840	8.75	0.57	Arnt
1419039_at	3.44	0.00150	0.00840	5.86	0.88	Cyp2d22

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1458042_at	3.44	0.00151	0.00842	2.89	0.63	NA
1450644_at	3.43	0.00151	0.00844	10.64	0.53	Zfp3611
1422901_at	3.43	0.00151	0.00845	7.39	0.63	Mgea5
1448388_a_at	3.43	0.00152	0.00846	10.57	0.37	1110002B05Rik
1446519_at	3.43	0.00152	0.00846	3.72	0.57	A730091E23Rik
1427235_at	3.43	0.00152	0.00846	9.24	0.53	Utx
1446303_at	3.43	0.00153	0.00852	3.81	0.63	Igf1r
1458710_at	3.43	0.00153	0.00852	5.21	0.79	Polr2a
1416791_a_at	3.43	0.00154	0.00855	8.68	0.52	Nxf1
1453217_at	3.43	0.00154	0.00858	4.09	0.78	4930527E24Rik
1419954_s_at	3.43	0.00155	0.00859	8.88	0.49	Zfand3
1448789_at	3.43	0.00155	0.00860	5.21	0.83	Aldh1a3
1433913_at	3.43	0.00155	0.00860	9.03	0.48	C80913
1456042_s_at	3.42	0.00155	0.00861	6.93	0.69	Cramp1l
1418350_at	3.42	0.00156	0.00862	6.20	0.75	Hbegf
1450987_a_at	3.42	0.00156	0.00863	7.56	0.65	2310004I24Rik
1433694_at	3.42	0.00156	0.00863	9.90	1.09	Pde3b
1458962_at	3.42	0.00156	0.00864	5.31	0.80	Rnf103
1425362_at	3.42	0.00157	0.00865	3.15	0.67	Hrbl
1415796_at	3.42	0.00157	0.00867	11.54	0.36	Dazap2
1433757_a_at	3.42	0.00157	0.00867	8.66	0.53	Nisch
1418069_at	3.42	0.00157	0.00867	3.60	0.77	Apoc2
1420089_at	3.42	0.00157	0.00867	5.10	0.86	Nfkbia
1434758_at	3.42	0.00157	0.00867	6.53	0.78	Crispld2
1452183_a_at	3.42	0.00159	0.00873	6.14	1.22	Meg3
1436058_at	3.42	0.00159	0.00874	6.98	0.88	Rsad2
1460726_at	3.41	0.00162	0.00887	7.72	0.57	Adss
1451144_at	3.41	0.00162	0.00888	9.44	0.43	Bxdc2
1423577_at	3.41	0.00163	0.00891	9.03	0.56	Ankrd32
1455729_at	3.41	0.00163	0.00892	7.89	0.58	Gnaq
1440455_at	3.40	0.00164	0.00896	3.06	0.54	NA
1419735_at	3.40	0.00166	0.00902	3.76	0.86	Csn3
1426808_at	3.40	0.00167	0.00907	9.40	0.80	Lgals3
1422842_at	3.40	0.00168	0.00912	8.52	0.54	Xrn2
1421009_at	3.40	0.00168	0.00913	4.85	0.94	Rsad2
1434013_at	3.40	0.00168	0.00913	6.75	0.69	Ablim3
1446068_at	3.39	0.00169	0.00917	5.10	0.76	Adk
1439097_at	3.39	0.00170	0.00920	4.13	0.77	D10Wsu52e
1456080_a_at	3.39	0.00170	0.00920	10.40	0.49	Serinc3
1434985_a_at	3.39	0.00170	0.00920	11.23	0.43	Eif4a1
1450983_at	3.39	0.00170	0.00920	8.21	0.58	Akap8
1445328_at	3.39	0.00171	0.00924	3.52	0.56	Col4a4
1422660_at	3.39	0.00172	0.00929	11.84	0.36	NA
1426788_a_at	3.39	0.00172	0.00931	8.47	0.57	Ssrp1
1423191_at	3.39	0.00173	0.00934	6.71	0.72	Fnbp4
1435477_s_at	3.38	0.00173	0.00934	8.31	0.95	Fcgr2b
1436836_x_at	3.38	0.00173	0.00934	10.72	0.40	Cnn3
1442971_at	3.38	0.00174	0.00935	3.29	0.55	Baz2b
1457988_at	3.38	0.00174	0.00935	4.05	0.71	Sec63
1448990_a_at	3.38	0.00175	0.00939	4.88	0.74	Myo1b
1456563_at	3.38	0.00175	0.00940	4.90	0.82	4933429F08Rik
1421118_a_at	3.38	0.00175	0.00941	5.10	0.73	Gpr56
1437277_x_at	3.38	0.00176	0.00944	10.35	0.44	Tgm2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1453040_at	3.38	0.00177	0.00948	3.85	0.66	Mcart6
1430581_at	3.38	0.00177	0.00948	3.51	0.73	Bclaf1
1460710_at	3.38	0.00177	0.00948	3.85	0.63	Adora2a
1420977_at	3.37	0.00178	0.00950	5.58	0.76	Man1a2
1455317_at	3.37	0.00178	0.00952	10.39	0.42	Epc2
1448557_at	3.37	0.00180	0.00957	9.04	0.58	1200015N20Rik
1456120_at	3.37	0.00180	0.00957	7.55	0.67	3110001I20Rik
1458526_at	3.37	0.00180	0.00960	3.62	0.61	NA
1455967_at	3.37	0.00183	0.00970	6.09	0.82	Sorbs1
1456505_at	3.37	0.00183	0.00970	4.71	0.71	Braf
1459885_s_at	3.36	0.00183	0.00973	5.22	0.87	Cox7c
1425546_a_at	3.36	0.00183	0.00973	10.20	1.14	Trf
1454880_s_at	3.36	0.00184	0.00975	5.90	0.76	Bmf
1438862_at	3.36	0.00184	0.00975	3.57	0.86	A630005I04Rik
1424481_s_at	3.36	0.00184	0.00976	5.58	0.80	Armcx5
1425060_s_at	3.36	0.00185	0.00980	11.92	0.41	Clip1
1443521_at	3.36	0.00186	0.00984	4.63	0.76	Ggnbp2
1455643_s_at	3.36	0.00186	0.00984	10.44	0.43	Tsr1
1449322_at	3.36	0.00186	0.00984	12.10	0.37	Ptp4a1
1433266_at	3.36	0.00187	0.00986	4.13	0.79	2810416A17Rik
1447842_x_at	3.36	0.00187	0.00986	9.40	0.45	Tcn2
1420509_at	3.35	0.00188	0.00991	8.24	0.56	Srfbp1
1428091_at	3.35	0.00189	0.00993	10.33	0.42	Klhl7
1438000_x_at	3.35	0.00189	0.00993	10.61	0.40	Zfp622
1419100_at	3.35	0.00189	0.00994	6.27	1.01	Serpina3n
1433023_at	3.35	0.00190	0.00998	6.99	0.80	2310068G24Rik
1452905_at	3.35	0.00190	0.01000	5.13	0.88	Meg3

Table S3a. Footnote

Gene lists were generated using the Cyber-T method, with only genes with a *q*-value < 0.01 presented.

¹ *Probe* represents the Affymetrix probe set identifier.

² *t* represents the t-statistic output from the Cyber-T method.

³ *Mean* represents the mean expression signal after normalization.

⁴ *FC* represents the log₂ fold change in normalized signals.

Table S3b. Genes downregulated in muscle of *S6K*^{-/-} mice compared to wild type mice.

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1438553_x_at	-11.82	5.94E-14	6.67E-11	5.74	3.29	NA
1460705_at	-10.20	3.66E-12	2.02E-09	7.51	2.34	Rps6kb1
1433296_at	-10.02	5.96E-12	3.12E-09	6.56	3.86	2310045N14Rik
1440435_at	-9.24	4.96E-11	1.37E-08	7.12	3.34	Ky
1447870_x_at	-9.23	5.07E-11	1.37E-08	11.20	1.46	1110002E22Rik
1432001_at	-9.16	6.14E-11	1.49E-08	10.44	3.07	Zmynd17
1435585_at	-8.88	1.33E-10	2.28E-08	9.84	1.59	Tceal7
1457894_at	-8.74	1.98E-10	3.09E-08	9.26	1.58	NA
1421818_at	-8.31	6.85E-10	8.12E-08	9.92	1.17	Bcl6
1456084_x_at	-8.20	9.49E-10	1.07E-07	9.06	2.13	Fmod
1430786_at	-8.18	9.84E-10	1.10E-07	8.93	1.58	1110002E22Rik
1428487_s_at	-8.12	1.17E-09	1.23E-07	6.85	1.88	Coq10b
1420991_at	-7.83	2.72E-09	2.36E-07	7.95	3.08	Ankrd1
1430523_s_at	-7.78	3.22E-09	2.75E-07	4.45	2.46	Igl-V1
1418174_at	-7.73	3.74E-09	3.10E-07	6.90	3.02	Dbp
1445420_at	-7.62	5.15E-09	4.06E-07	6.28	1.79	Mef2c
1434369_a_at	-7.51	7.08E-09	5.17E-07	14.68	0.54	Cryab
1417575_at	-7.50	7.25E-09	5.21E-07	5.91	2.34	Otub2
1448595_a_at	-7.42	9.28E-09	6.43E-07	12.05	0.98	Bex1
1453898_at	-7.40	9.87E-09	6.73E-07	6.68	3.05	Itgb1bp3
1420992_at	-7.39	1.01E-08	6.87E-07	8.40	2.85	Ankrd1
1454956_at	-7.27	1.48E-08	9.29E-07	7.41	1.68	Rps6kb1
1423807_a_at	-7.23	1.63E-08	1.01E-06	12.46	0.89	Calm2
1424852_at	-7.15	2.08E-08	1.24E-06	12.63	0.81	Mef2c
1450961_a_at	-7.14	2.14E-08	1.26E-06	7.20	1.50	Tceal3
1438426_at	-7.04	2.87E-08	1.58E-06	9.83	0.96	Tmem58
1416455_a_at	-7.02	3.10E-08	1.65E-06	13.19	0.77	Cryab
1436329_at	-6.94	3.89E-08	1.94E-06	5.15	1.97	Egr3
1447016_at	-6.84	5.36E-08	2.50E-06	7.59	2.36	Tbc1d1
1423176_at	-6.73	7.53E-08	3.32E-06	12.49	0.85	Tob1
1449178_at	-6.68	8.73E-08	3.72E-06	13.82	0.51	Pdlim3
1428097_at	-6.63	1.00E-07	4.16E-06	9.37	0.98	2510009E07Rik
1435339_at	-6.62	1.05E-07	4.34E-06	9.82	0.92	Kctd15
1455182_at	-6.59	1.14E-07	4.59E-06	10.87	0.93	Kif1b
1437449_at	-6.57	1.22E-07	4.81E-06	4.02	1.38	Rsad1
1425677_a_at	-6.52	1.41E-07	5.42E-06	10.06	0.95	Ank1
1434572_at	-6.51	1.43E-07	5.47E-06	6.04	1.67	Hdac9
1439774_at	-6.51	1.44E-07	5.47E-06	7.17	2.18	Prrx1
1433592_at	-6.51	1.47E-07	5.57E-06	11.08	0.86	Calm1
1415939_at	-6.46	1.68E-07	6.27E-06	7.00	2.42	Fmod
1429097_at	-6.45	1.75E-07	6.49E-06	7.28	1.37	C030044C12Rik
1455238_at	-6.45	1.76E-07	6.50E-06	4.67	1.82	Mum1l1
1438966_x_at	-6.43	1.85E-07	6.81E-06	7.29	1.90	Fmod
1434909_at	-6.40	2.04E-07	7.45E-06	12.21	0.65	Rragd
1418025_at	-6.38	2.16E-07	7.73E-06	9.98	1.29	Bhlhb2
1436833_x_at	-6.37	2.20E-07	7.83E-06	7.21	1.20	Ttll1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1437685_x_at	-6.37	2.21E-07	7.83E-06	4.17	2.45	Fmod
1423851_a_at	-6.31	2.71E-07	9.35E-06	10.29	0.97	Tmem46
1422414_a_at	-6.29	2.89E-07	9.77E-06	10.36	1.02	Calm2
1438211_s_at	-6.28	2.94E-07	9.91E-06	7.92	2.24	Dbp
1448297_a_at	-6.25	3.20E-07	1.07E-05	7.32	1.26	Tnk2
1425153_at	-6.24	3.32E-07	1.11E-05	14.33	0.52	Myh2
1418258_s_at	-6.23	3.45E-07	1.14E-05	11.70	0.79	Arhgdia
1448960_at	-6.22	3.51E-07	1.15E-05	6.85	1.23	Cxzc5
1425534_at	-6.20	3.76E-07	1.22E-05	9.81	0.89	Stau2
1439669_at	-6.18	3.95E-07	1.27E-05	3.57	1.33	6430571L13Rik
1436943_at	-6.16	4.25E-07	1.35E-05	6.11	1.59	Cyb5d2
1443876_at	-6.14	4.50E-07	1.41E-05	4.88	1.47	Camk2a
1425528_at	-6.14	4.53E-07	1.41E-05	9.50	0.87	Prrx1
1424511_at	-6.10	5.17E-07	1.57E-05	4.32	1.76	Aurka
1418386_at	-6.10	5.17E-07	1.57E-05	8.91	1.00	N6amt2
1456315_a_at	-6.08	5.36E-07	1.62E-05	10.07	1.13	Ptpla
1450923_at	-6.06	5.77E-07	1.71E-05	6.18	1.40	Tgfb2
1421936_at	-5.97	7.56E-07	2.14E-05	3.76	1.35	Dapp1
1456854_at	-5.95	8.17E-07	2.27E-05	3.67	1.56	Neurl
1439066_at	-5.94	8.34E-07	2.30E-05	6.08	1.38	Angpt1
1434592_at	-5.94	8.45E-07	2.32E-05	5.58	1.53	Slc16a10
1441404_at	-5.90	9.58E-07	2.57E-05	3.09	0.97	Pafah1b1
1435556_at	-5.81	1.24E-06	3.12E-05	6.57	1.23	Zfp597
1418373_at	-5.80	1.27E-06	3.18E-05	13.74	0.53	Pgam2
1437718_x_at	-5.80	1.28E-06	3.20E-05	4.23	2.32	Fmod
1446421_at	-5.80	1.30E-06	3.22E-05	3.57	1.13	Schip1
1422535_at	-5.79	1.32E-06	3.26E-05	7.41	1.07	Ccne2
1417542_at	-5.78	1.37E-06	3.33E-05	10.52	0.78	Rps6ka2
1434442_at	-5.78	1.39E-06	3.36E-05	9.23	0.95	Stbd1
1428423_at	-5.77	1.43E-06	3.43E-05	8.90	0.85	Pcgf3
1423852_at	-5.76	1.44E-06	3.46E-05	10.32	0.87	Tmem46
1418592_at	-5.73	1.58E-06	3.71E-05	8.80	0.89	Dnaja4
1449357_at	-5.72	1.65E-06	3.86E-05	7.67	1.05	2310030G06Rik
1450828_at	-5.71	1.70E-06	3.94E-05	10.56	0.84	Synpo2
1455336_at	-5.65	2.02E-06	4.56E-05	4.74	1.44	Thap2
1437240_at	-5.64	2.09E-06	4.70E-05	4.68	1.75	Pgm2
1458425_at	-5.64	2.14E-06	4.79E-05	7.81	1.04	Myl6b
1450714_at	-5.59	2.46E-06	5.38E-05	8.33	1.00	Azin1
1438651_a_at	-5.58	2.54E-06	5.54E-05	5.85	1.89	Agtrl1
1453084_s_at	-5.57	2.64E-06	5.71E-05	4.99	1.56	Col22a1
1428750_at	-5.55	2.75E-06	5.91E-05	5.61	1.47	Cdc42ep2
1435115_at	-5.54	2.88E-06	6.14E-05	8.21	1.01	Fndc5
1435261_at	-5.52	3.01E-06	6.39E-05	8.17	1.05	4732416N19Rik
1424931_s_at	-5.51	3.14E-06	6.63E-05	4.27	1.43	Igl-V1
1421441_at	-5.51	3.16E-06	6.65E-05	3.80	1.03	Angpt1
1437212_at	-5.50	3.24E-06	6.79E-05	4.68	1.23	Zfp420
1426992_at	-5.50	3.27E-06	6.84E-05	9.40	0.86	Xpr1
1429918_at	-5.49	3.33E-06	6.92E-05	8.67	0.90	Arhgap20

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1460510_a_at	-5.49	3.35E-06	6.95E-05	7.71	1.35	Coq10b
1419421_at	-5.46	3.62E-06	7.40E-05	9.41	1.03	Ank1
1433875_at	-5.46	3.69E-06	7.51E-05	9.17	0.76	4732418C07Rik
1456929_at	-5.45	3.73E-06	7.58E-05	6.59	1.47	BC042782
1424760_a_at	-5.42	4.18E-06	8.39E-05	12.45	0.48	Smyd2
1422155_at	-5.42	4.18E-06	8.39E-05	6.50	1.19	Hist2h3c2
1439487_at	-5.41	4.25E-06	8.51E-05	5.69	1.37	Lig4
1429206_at	-5.41	4.30E-06	8.55E-05	8.04	1.19	Rhobtb1
1450899_at	-5.41	4.31E-06	8.55E-05	9.59	0.73	Nedd1
1431422_a_at	-5.40	4.42E-06	8.70E-05	4.24	1.46	Dusp14
1449872_at	-5.40	4.45E-06	8.76E-05	9.23	0.96	Hspb3
1418420_at	-5.38	4.66E-06	9.10E-05	4.18	1.53	Myod1
1431836_x_at	-5.38	4.67E-06	9.11E-05	5.91	1.72	5430432N15Rik
1428849_at	-5.38	4.69E-06	9.11E-05	4.80	1.31	Rps6kb1
1450381_a_at	-5.36	4.98E-06	9.62E-05	5.61	1.27	Bcl6
1451507_at	-5.34	5.37E-06	0.00010	11.71	0.74	Mef2c
1437324_x_at	-5.33	5.38E-06	0.00010	4.87	2.02	Fmod
1442076_at	-5.33	5.43E-06	0.00010	10.07	0.66	Cobl
1426806_at	-5.33	5.55E-06	0.00010	7.57	1.13	Obfc2a
1436566_at	-5.32	5.68E-06	0.00011	8.64	0.86	Rab40b
1444091_a_at	-5.31	5.83E-06	0.00011	3.43	1.19	6430571L13Rik
1424367_a_at	-5.30	6.00E-06	0.00011	7.70	1.53	Homer2
1431233_at	-5.28	6.33E-06	0.00012	4.10	1.03	Cnnm4
1433657_at	-5.27	6.50E-06	0.00012	4.52	1.46	A130092J06Rik
1455826_a_at	-5.27	6.52E-06	0.00012	8.83	0.87	Bace1
1451298_at	-5.26	6.75E-06	0.00012	6.45	1.27	Plekhh3
1456060_at	-5.26	6.77E-06	0.00012	12.03	0.65	Maf
1449211_at	-5.23	7.42E-06	0.00013	8.51	0.86	Bpnt1
1437908_a_at	-5.22	7.62E-06	0.00014	8.49	0.88	Ergic1
1423418_at	-5.19	8.44E-06	0.00015	7.45	1.05	Fdps
1437404_at	-5.18	8.64E-06	0.00015	7.89	1.11	Mast4
1419619_at	-5.18	8.69E-06	0.00015	3.60	1.25	Krt80
1454842_a_at	-5.18	8.70E-06	0.00015	10.47	0.71	B3galnt2
1429148_at	-5.17	8.88E-06	0.00015	7.35	0.99	Nfic
1430841_at	-5.17	8.88E-06	0.00015	3.45	0.95	3300002P13Rik
1449139_at	-5.17	8.92E-06	0.00015	7.57	1.03	2310008M10Rik
1416529_at	-5.17	8.92E-06	0.00015	9.24	0.81	Emp1
1452879_at	-5.15	9.37E-06	0.00016	12.37	0.54	Synpo2
1440859_at	-5.15	9.62E-06	0.00016	8.85	1.02	Akap6
1444235_at	-5.14	9.72E-06	0.00016	6.36	1.06	1700025G04Rik
1441636_at	-5.14	9.89E-06	0.00017	4.01	1.62	NA
1425834_a_at	-5.14	9.91E-06	0.00017	8.48	0.96	Gpam
1439408_a_at	-5.12	1.05E-05	0.00018	3.70	0.96	Med1
1433700_at	-5.10	1.12E-05	0.00019	7.74	0.96	4933433P14Rik
1457434_s_at	-5.09	1.14E-05	0.00019	11.36	0.89	Ptpla
1417298_at	-5.09	1.15E-05	0.00019	6.45	1.22	Ebpl
1417075_at	-5.07	1.21E-05	0.00020	8.26	0.85	2010309E21Rik
1438201_at	-5.06	1.23E-05	0.00020	9.78	0.71	Ppm2c

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1441560_at	-5.06	1.25E-05	0.00020	5.57	1.19	Ctnna3
1434958_at	-5.05	1.29E-05	0.00021	8.03	1.10	Sacs
1459861_s_at	-5.05	1.31E-05	0.00021	8.31	0.81	Fbxl10
1438941_x_at	-5.04	1.33E-05	0.00021	6.29	1.07	Ampd2
1435417_at	-5.04	1.34E-05	0.00021	9.39	0.75	AI464131
1433526_at	-5.04	1.34E-05	0.00021	5.70	1.29	Klhl8
1455070_at	-5.02	1.40E-05	0.00022	6.98	1.05	Dcp2
1416505_at	-5.01	1.45E-05	0.00023	10.04	1.04	Nr4a1
1434135_at	-5.01	1.46E-05	0.00023	9.72	0.73	B3galnt2
1420689_at	-5.01	1.47E-05	0.00023	3.14	1.07	4933415F23Rik
1451811_at	-5.00	1.49E-05	0.00023	10.09	0.62	Cacng6
1448394_at	-5.00	1.52E-05	0.00024	12.98	0.68	Myl2
1432289_a_at	-4.98	1.60E-05	0.00025	10.30	0.60	Jsrp1
1450716_at	-4.97	1.66E-05	0.00025	8.57	0.84	Adamts1
1423672_at	-4.96	1.67E-05	0.00025	6.93	1.10	Ttc30b
1440559_at	-4.96	1.69E-05	0.00026	4.91	1.16	Hmga2-ps1
1436122_at	-4.96	1.72E-05	0.00026	6.36	1.13	Zfp667
1427426_at	-4.95	1.75E-05	0.00026	6.87	1.23	Kcnq5
1456661_at	-4.95	1.75E-05	0.00026	6.00	1.38	Jarid2
1418591_at	-4.95	1.75E-05	0.00026	9.95	0.76	Dnaja4
1449631_at	-4.94	1.79E-05	0.00027	6.02	1.37	Eno3
1429058_at	-4.93	1.86E-05	0.00027	6.49	1.14	Tmem107
1439491_at	-4.92	1.89E-05	0.00028	5.70	1.76	Lrrc38
1418782_at	-4.92	1.91E-05	0.00028	8.44	0.87	Rxrg
1454720_at	-4.90	2.05E-05	0.00030	6.59	1.24	Hs3st5
1449155_at	-4.90	2.05E-05	0.00030	3.25	0.82	Polr3g
1429888_a_at	-4.89	2.12E-05	0.00031	8.44	0.81	Hspb2
1425533_a_at	-4.89	2.13E-05	0.00031	8.54	0.80	Stau2
1438720_at	-4.88	2.19E-05	0.00031	7.85	0.92	9330159F19Rik
1439662_at	-4.88	2.19E-05	0.00031	9.77	0.69	Homer1
1441373_at	-4.86	2.30E-05	0.00033	3.26	0.92	Msi2
1417673_at	-4.86	2.33E-05	0.00033	9.17	0.80	Grb14
1451190_a_at	-4.86	2.33E-05	0.00033	9.13	0.68	Sbk1
1417366_s_at	-4.86	2.33E-05	0.00033	11.57	0.57	Calm1
1433509_s_at	-4.85	2.34E-05	0.00033	10.14	0.68	Reep1
1448884_at	-4.85	2.35E-05	0.00033	7.11	0.96	Gtf2e2
1447849_s_at	-4.85	2.37E-05	0.00033	11.61	0.65	Maf
1437363_at	-4.85	2.38E-05	0.00033	10.59	0.71	Homer1
1451506_at	-4.85	2.39E-05	0.00033	11.44	0.69	Mef2c
AFFX-TransRecMur/X57	-4.84	2.47E-05	0.00034	4.36	1.48	Tfrc
1447657_s_at	-4.82	2.62E-05	0.00036	10.63	0.91	Synpo2l
1450910_at	-4.81	2.66E-05	0.00036	10.92	0.53	Cap2
1454637_at	-4.81	2.66E-05	0.00036	8.00	0.97	Klhl8
1434014_at	-4.80	2.74E-05	0.00037	7.07	0.96	Atg4c
1447934_at	-4.80	2.74E-05	0.00037	9.68	0.71	9630033F20Rik
1419527_at	-4.80	2.74E-05	0.00037	5.24	1.44	Comp
1419145_at	-4.80	2.80E-05	0.00038	10.33	0.70	Smtnl1
1435527_at	-4.79	2.83E-05	0.00038	9.14	0.67	Nfic

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1448298_at	-4.79	2.88E-05	0.00039	3.53	0.82	Tnk2
1419499_at	-4.78	2.90E-05	0.00039	12.10	0.51	Gpam
1451589_at	-4.77	3.02E-05	0.00040	8.76	0.70	Gats
1427167_at	-4.76	3.13E-05	0.00041	7.24	1.19	Armcx4
1448517_at	-4.76	3.15E-05	0.00042	8.72	0.81	Timm22
1436368_at	-4.76	3.16E-05	0.00042	5.86	1.13	Slc16a10
1417402_at	-4.75	3.17E-05	0.00042	9.41	0.67	1190017O12Rik
1416284_at	-4.75	3.18E-05	0.00042	8.94	0.67	Mrpl28
1439205_at	-4.75	3.19E-05	0.00042	5.64	1.08	Nfatc2
1426923_at	-4.75	3.25E-05	0.00042	8.65	0.71	Hrb
1417164_at	-4.74	3.33E-05	0.00043	6.78	1.11	Dusp10
1459145_at	-4.73	3.44E-05	0.00044	4.59	1.23	A930033H14Rik
1424151_at	-4.72	3.49E-05	0.00045	11.89	0.55	Jtv1
1458379_at	-4.72	3.54E-05	0.00045	8.39	0.79	9330159F19Rik
1440339_at	-4.72	3.54E-05	0.00045	3.91	0.96	4833416E15Rik
1451203_at	-4.71	3.59E-05	0.00046	14.27	0.37	Mb
1460521_a_at	-4.71	3.61E-05	0.00046	5.73	1.35	Obfc2a
1460324_at	-4.70	3.69E-05	0.00047	6.33	1.04	Dnmt3a
1438022_at	-4.70	3.80E-05	0.00048	8.66	0.74	Rab11fip3
1428319_at	-4.69	3.81E-05	0.00048	7.00	0.89	Pdlim7
1433902_at	-4.69	3.83E-05	0.00048	5.13	1.17	Kbtbd8
1427831_s_at	-4.69	3.85E-05	0.00048	8.89	0.70	Zfp260
1418413_at	-4.69	3.87E-05	0.00048	7.33	1.00	Cav3
1418057_at	-4.69	3.87E-05	0.00048	4.81	1.20	Tiam1
1430176_at	-4.69	3.88E-05	0.00048	5.28	1.16	5430433E21Rik
1421028_a_at	-4.68	3.94E-05	0.00049	11.24	0.72	Mef2c
1418666_at	-4.68	3.97E-05	0.00049	6.20	1.17	Ptx3
1450870_at	-4.68	3.99E-05	0.00049	7.03	0.89	Rala
1423258_at	-4.68	4.01E-05	0.00050	4.33	1.03	Syt9
1435981_at	-4.67	4.11E-05	0.00051	4.74	1.01	Nav2
1448682_at	-4.67	4.13E-05	0.00051	9.65	0.63	Dynll1
1434196_at	-4.66	4.18E-05	0.00051	10.25	0.70	Dnaja4
1418337_at	-4.66	4.25E-05	0.00052	8.92	0.69	Rpia
1446450_at	-4.64	4.45E-05	0.00054	3.98	0.95	Ttn
1426959_at	-4.64	4.52E-05	0.00055	5.81	1.45	Bdh1
1444343_at	-4.64	4.55E-05	0.00055	4.36	1.16	A130064L14Rik
1457904_at	-4.63	4.58E-05	0.00055	3.42	0.78	Car8
1417576_a_at	-4.63	4.59E-05	0.00055	3.76	1.22	Otub2
1453657_at	-4.63	4.60E-05	0.00055	6.81	1.36	2310065F04Rik
1428183_at	-4.63	4.67E-05	0.00056	13.16	0.43	Ankrd23
1429205_at	-4.62	4.74E-05	0.00057	10.51	0.56	Mllt3
1423010_at	-4.62	4.77E-05	0.00057	4.92	1.28	Sacs
1453744_a_at	-4.60	5.01E-05	0.00059	9.72	0.62	Ankrd40
1423978_at	-4.60	5.08E-05	0.00060	5.67	1.06	Sbk1
1436431_at	-4.60	5.09E-05	0.00060	9.49	0.63	1700025G04Rik
1416379_at	-4.60	5.12E-05	0.00060	4.59	1.15	Panx1
1454193_at	-4.59	5.23E-05	0.00061	3.71	1.32	5430401H09Rik
1418255_s_at	-4.59	5.28E-05	0.00062	8.24	0.75	Srf

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1419003_at	-4.58	5.30E-05	0.00062	7.61	0.82	Bves
1452203_at	-4.58	5.41E-05	0.00063	7.82	0.91	Obfc2a
1439627_at	-4.58	5.41E-05	0.00063	3.53	0.91	Zic1
1456125_a_at	-4.58	5.41E-05	0.00063	10.84	0.58	Dynll1
1452312_at	-4.57	5.48E-05	0.00063	5.38	1.15	2810002D19Rik
1452257_at	-4.57	5.50E-05	0.00064	9.27	0.96	Bdh1
1431281_at	-4.57	5.54E-05	0.00064	10.90	0.68	Dysfip1
1453592_at	-4.57	5.60E-05	0.00064	10.01	0.63	Lrrc39
1427414_at	-4.56	5.63E-05	0.00065	8.97	0.74	Prkar2a
1431890_a_at	-4.56	5.65E-05	0.00065	9.81	0.59	Mllt3
1449553_at	-4.56	5.76E-05	0.00066	8.55	0.73	Nkain1
1429065_at	-4.54	6.01E-05	0.00069	5.65	1.02	1200009F10Rik
1416846_a_at	-4.54	6.16E-05	0.00070	11.69	0.50	Pdzn3
1422562_at	-4.53	6.24E-05	0.00071	3.97	1.68	Rrad
1447057_at	-4.53	6.27E-05	0.00071	7.88	0.92	NA
1417339_a_at	-4.53	6.31E-05	0.00071	11.04	0.54	Dynll1
1439658_at	-4.52	6.41E-05	0.00072	10.33	0.78	Lmod3
1427400_at	-4.51	6.61E-05	0.00074	6.42	1.06	Lbx1
1427344_s_at	-4.51	6.65E-05	0.00074	8.77	1.09	Rasd2
1424003_at	-4.51	6.66E-05	0.00074	6.44	0.91	4930444A02Rik
1438577_at	-4.51	6.67E-05	0.00074	7.47	0.87	Inpp4b
1420816_at	-4.51	6.68E-05	0.00074	5.65	1.15	Ywhag
1422798_at	-4.51	6.72E-05	0.00074	5.51	1.26	Cntnap2
1449075_at	-4.51	6.73E-05	0.00074	5.65	0.96	Exdl2
1431469_a_at	-4.50	6.85E-05	0.00076	4.80	1.09	Cxxc5
1435398_at	-4.50	6.93E-05	0.00076	5.82	1.02	Stxbp5
1451262_a_at	-4.49	7.02E-05	0.00077	11.03	0.53	Jtv1
1458497_at	-4.49	7.03E-05	0.00077	5.04	0.99	NA
1456981_at	-4.49	7.07E-05	0.00077	7.18	1.13	Tmc7
1417155_at	-4.49	7.09E-05	0.00078	3.74	0.78	Mycn
1431164_at	-4.49	7.12E-05	0.00078	7.08	1.03	Rragd
1443007_at	-4.48	7.30E-05	0.00079	3.27	0.75	NA
1420504_at	-4.48	7.35E-05	0.00080	3.14	0.82	Slc6a14
1428295_at	-4.44	8.13E-05	0.00087	8.87	0.97	Synpo2l
1439708_at	-4.44	8.14E-05	0.00087	7.69	1.02	Myom3
1434228_at	-4.43	8.32E-05	0.00088	9.48	0.63	Ppm2c
1431734_a_at	-4.43	8.45E-05	0.00090	9.63	0.56	Dnajb4
1430567_at	-4.43	8.57E-05	0.00091	3.57	1.31	Spink5
1426427_at	-4.42	8.66E-05	0.00091	3.32	0.73	Ttl1
1435915_at	-4.42	8.74E-05	0.00092	4.19	0.98	Jmjd4
1443575_at	-4.42	8.77E-05	0.00092	10.36	0.68	2310040G24Rik
1424719_a_at	-4.41	8.99E-05	0.00094	8.11	0.74	Mapt
1421824_at	-4.41	9.10E-05	0.00095	6.09	0.95	Bace1
1449206_at	-4.40	9.18E-05	0.00096	8.57	0.91	Sypl2
1448119_at	-4.40	9.31E-05	0.00097	9.51	0.60	Bpgm
1451978_at	-4.39	9.46E-05	0.00098	7.96	0.77	Loxl1
1424110_a_at	-4.39	9.49E-05	0.00098	7.68	0.99	Nme1
1428945_at	-4.38	9.68E-05	0.00100	4.74	0.94	Uba6

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1435184_at	-4.38	9.80E-05	0.00101	9.03	1.06	Npr3
1460405_at	-4.38	9.82E-05	0.00101	4.80	1.06	Arhgef10l
1459875_x_at	-4.38	9.85E-05	0.00102	4.20	0.93	5730494M16Rik
1450729_at	-4.37	0.00010	0.00103	7.41	0.90	Hs2st1
1453485_s_at	-4.37	0.00010	0.00104	9.96	0.54	1110005A03Rik
1448643_at	-4.36	0.00010	0.00106	7.84	0.85	Ssna1
1449498_at	-4.36	0.00010	0.00106	3.84	1.92	Marco
1440603_at	-4.36	0.00010	0.00106	4.49	0.91	NA
1427768_s_at	-4.36	0.00010	0.00106	12.37	0.67	Myl3
1457671_at	-4.36	0.00011	0.00107	7.03	1.31	9330120H11Rik
1452661_at	-4.36	0.00011	0.00107	9.67	1.18	Tfrc
1441259_s_at	-4.35	0.00011	0.00108	7.58	0.82	Ift122
1434129_s_at	-4.35	0.00011	0.00109	5.38	1.34	Lhfp12
1430984_at	-4.34	0.00011	0.00111	3.05	0.69	Azin1
1440936_at	-4.34	0.00011	0.00112	7.50	0.81	Serac1
1428129_at	-4.33	0.00011	0.00113	6.95	0.92	Lman1
1426157_a_at	-4.33	0.00011	0.00114	4.54	1.82	Cd209b
1458000_at	-4.33	0.00011	0.00115	4.26	1.47	Dsg1a
1438596_at	-4.33	0.00011	0.00115	4.39	1.01	Hectd2
1455425_at	-4.33	0.00012	0.00115	2.82	0.66	BB001228
1446516_at	-4.32	0.00012	0.00116	2.94	0.64	Bcl7c
1417343_at	-4.32	0.00012	0.00117	7.06	0.82	Fxyd6
1416280_at	-4.32	0.00012	0.00118	9.89	0.56	Uba2
1427447_a_at	-4.31	0.00012	0.00119	5.42	1.10	Triobp
1451991_at	-4.31	0.00012	0.00119	3.62	0.83	Epha7
1441960_x_at	-4.31	0.00012	0.00119	7.51	0.81	5730494M16Rik
1428719_at	-4.30	0.00012	0.00121	5.46	1.48	2010309G21Rik
1416473_a_at	-4.30	0.00013	0.00124	9.80	0.72	Nope
1456203_at	-4.29	0.00013	0.00125	4.08	2.38	1110020A10Rik
1416201_at	-4.29	0.00013	0.00127	9.37	0.59	Crk
1416321_s_at	-4.28	0.00013	0.00129	8.73	1.21	Pre1p
1448827_s_at	-4.28	0.00013	0.00129	5.25	1.39	Myh6
1428681_at	-4.28	0.00013	0.00130	7.71	0.80	Gm608
1451207_at	-4.27	0.00013	0.00131	8.71	0.65	Cbara1
1425344_at	-4.27	0.00013	0.00131	8.72	0.63	Narf
1435828_at	-4.27	0.00014	0.00131	10.25	0.68	Maf
1434299_x_at	-4.27	0.00014	0.00132	8.91	0.69	Rabl4
1418482_at	-4.27	0.00014	0.00133	3.29	0.73	Cyb561d2
1423350_at	-4.27	0.00014	0.00133	8.53	0.66	Socs5
1452924_at	-4.27	0.00014	0.00133	4.02	0.81	2310007D09Rik
1449460_at	-4.26	0.00014	0.00134	4.52	0.90	Asb13
1438980_x_at	-4.26	0.00014	0.00135	3.22	0.73	Pm20d1
1423250_a_at	-4.26	0.00014	0.00136	7.52	0.83	Tgfb2
1446932_at	-4.26	0.00014	0.00136	3.73	0.81	NA
1420346_at	-4.26	0.00014	0.00136	9.49	0.55	Asb12
1429823_at	-4.25	0.00014	0.00138	8.59	0.67	Sgcg
1448024_at	-4.25	0.00015	0.00139	7.14	1.17	Npr3
1426640_s_at	-4.24	0.00015	0.00140	8.58	0.72	Trib2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1422813_at	-4.24	0.00015	0.00140	10.87	0.53	Cacng1
1456331_at	-4.24	0.00015	0.00142	4.07	0.78	9130023H24Rik
1421534_at	-4.24	0.00015	0.00143	10.17	0.61	LOC14210
1436978_at	-4.23	0.00015	0.00144	7.07	0.80	Wnt9a
1451488_at	-4.23	0.00015	0.00145	10.44	0.53	1110028A07Rik
1458578_at	-4.23	0.00015	0.00146	3.26	0.71	Rbms1
1419652_s_at	-4.23	0.00016	0.00147	6.64	0.97	Nkain1
1421087_at	-4.22	0.00016	0.00148	4.54	1.25	Per3
1444341_at	-4.22	0.00016	0.00148	12.43	0.45	8030451F13Rik
1428266_at	-4.22	0.00016	0.00149	11.29	0.69	Myl3
1438303_at	-4.22	0.00016	0.00149	4.76	1.02	Tgfb2
1455649_at	-4.20	0.00017	0.00155	4.33	0.99	Ttc9
1429364_at	-4.20	0.00017	0.00156	5.11	0.95	4930579G24Rik
1422598_at	-4.20	0.00017	0.00156	13.53	0.40	Casq1
1418626_a_at	-4.20	0.00017	0.00156	8.66	0.73	Clu
1424362_at	-4.19	0.00017	0.00159	8.31	1.26	Ppapdc3
1456930_at	-4.19	0.00017	0.00159	6.95	0.84	Camsap1
1424596_s_at	-4.19	0.00017	0.00160	10.68	0.73	Lmcd1
1437030_at	-4.18	0.00018	0.00162	8.87	1.09	Plcd4
1449037_at	-4.18	0.00018	0.00163	7.67	0.79	Crem
1418587_at	-4.18	0.00018	0.00163	5.52	1.27	Traf3
1417701_at	-4.18	0.00018	0.00164	10.51	0.60	Ppp1r14c
1428302_at	-4.18	0.00018	0.00165	9.85	0.55	Mrpl48
1454906_at	-4.18	0.00018	0.00165	5.30	1.25	Rarb
1450044_at	-4.17	0.00018	0.00165	9.02	0.56	Fzd7
1455058_at	-4.17	0.00018	0.00167	5.45	0.94	Mtmr9
1452080_a_at	-4.16	0.00019	0.00170	8.15	0.77	Dcun1d1
1452773_at	-4.16	0.00019	0.00173	11.01	0.45	5730494N06Rik
1440330_at	-4.15	0.00019	0.00174	4.54	0.90	Hist1h1e
1456029_a_at	-4.15	0.00019	0.00176	7.64	0.89	Ttc7b
1430584_s_at	-4.14	0.00020	0.00177	9.72	1.14	Car3
1450922_a_at	-4.14	0.00020	0.00180	5.90	0.98	Tgfb2
1443513_at	-4.14	0.00020	0.00180	5.10	1.04	NA
1427024_at	-4.14	0.00020	0.00180	7.43	0.74	Slain2
1434188_at	-4.14	0.00020	0.00181	4.38	0.98	Slc16a12
1458518_at	-4.13	0.00020	0.00182	4.49	0.94	Cpeb2
1428748_at	-4.13	0.00020	0.00183	5.70	1.36	5830428H23Rik
1455794_at	-4.13	0.00021	0.00184	11.44	0.46	Smtnl2
1428880_at	-4.13	0.00021	0.00185	9.37	0.56	0610038F07Rik
1433440_x_at	-4.13	0.00021	0.00185	11.43	0.45	Uba2
1453588_at	-4.12	0.00021	0.00190	9.16	1.14	Car3
1423196_at	-4.11	0.00022	0.00190	5.69	0.97	Nedd1
1424048_a_at	-4.11	0.00022	0.00193	9.90	0.51	Cyb5r1
1432281_a_at	-4.11	0.00022	0.00194	4.31	1.56	Itgb6
1452841_at	-4.10	0.00022	0.00194	9.47	0.53	Pgm2l1
1454884_at	-4.10	0.00023	0.00197	5.27	0.97	Zbtb46
1454794_at	-4.10	0.00023	0.00198	9.35	0.54	Spast
1425425_a_at	-4.09	0.00023	0.00199	3.33	0.80	Wif1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1417473_a_at	-4.09	0.00023	0.00202	5.39	0.99	Ppcs
1446537_at	-4.09	0.00023	0.00203	5.21	1.21	NA
1430362_at	-4.09	0.00024	0.00203	3.80	0.93	5730409N24Rik
1436071_at	-4.08	0.00024	0.00207	3.56	0.78	Ankrd26
1453003_at	-4.08	0.00024	0.00207	8.06	0.70	Sorl1
1453739_at	-4.08	0.00024	0.00207	7.77	0.74	Tmem126b
1417365_a_at	-4.08	0.00024	0.00207	12.29	0.42	Calm1
1429234_s_at	-4.07	0.00024	0.00209	7.90	0.70	Sep-11
1448319_at	-4.07	0.00025	0.00210	11.42	0.43	Akr1b3
1417515_at	-4.07	0.00025	0.00211	5.57	0.90	Lsm10
1418209_a_at	-4.07	0.00025	0.00211	12.98	0.36	Pfn2
1426710_at	-4.07	0.00025	0.00211	9.10	0.59	Calm3
1418516_at	-4.07	0.00025	0.00211	8.45	0.64	Mtf2
1450813_a_at	-4.07	0.00025	0.00211	10.99	0.68	Tnni1
1436614_at	-4.06	0.00025	0.00213	5.53	0.96	NA
1419426_s_at	-4.06	0.00025	0.00215	8.18	1.57	Ccl21a
1417885_at	-4.06	0.00025	0.00215	3.71	0.71	Mapt
1451642_at	-4.06	0.00026	0.00216	10.07	0.69	Kif1b
1429656_at	-4.06	0.00026	0.00216	5.03	1.31	Rhobtb1
1456733_x_at	-4.05	0.00026	0.00217	7.55	0.73	Serpinh1
1419099_x_at	-4.05	0.00026	0.00217	5.68	0.98	Stom
1431334_a_at	-4.05	0.00026	0.00218	4.74	0.90	4933433P14Rik
1452166_a_at	-4.05	0.00026	0.00221	7.98	2.69	Krt10
1434314_s_at	-4.04	0.00027	0.00223	10.17	0.46	Rab11fip5
1429503_at	-4.04	0.00027	0.00224	9.56	0.57	2900024C23Rik
1434887_at	-4.04	0.00027	0.00225	3.88	0.77	Freq
1439815_at	-4.03	0.00027	0.00228	3.62	0.66	Heatr5b
1449945_at	-4.03	0.00027	0.00228	5.23	1.10	Ppargc1b
1436594_at	-4.03	0.00028	0.00229	5.61	0.85	Zfp719
1448248_at	-4.03	0.00028	0.00229	10.42	0.50	Crk
1436188_a_at	-4.03	0.00028	0.00229	4.21	0.97	Ndrp4
1418667_at	-4.03	0.00028	0.00229	6.94	0.84	2410002O22Rik
1416609_at	-4.03	0.00028	0.00231	9.99	0.51	BC004004
1430308_at	-4.02	0.00028	0.00233	3.59	0.85	5730409N16Rik
AFFX-TransRecMur/X57	-4.01	0.00029	0.00239	3.80	0.90	Tfrc
1422482_at	-4.01	0.00029	0.00242	6.06	0.95	Ruvbl2
1418230_a_at	-4.01	0.00030	0.00242	9.27	0.52	Lims1
1416554_at	-4.00	0.00031	0.00249	9.39	0.71	Pdlim1
1431708_a_at	-3.99	0.00031	0.00250	5.72	0.99	Tia1
1427522_at	-3.99	0.00031	0.00251	5.74	0.92	Arhgap20
1442769_at	-3.99	0.00031	0.00252	10.58	0.54	8030451F13Rik
1433481_at	-3.99	0.00031	0.00253	6.23	0.89	Fkbp14
1426567_a_at	-3.99	0.00031	0.00253	6.92	0.90	Pq1c1
1429129_at	-3.98	0.00032	0.00255	6.14	0.99	Lrrcc1
1458297_s_at	-3.98	0.00032	0.00257	3.80	1.09	Marco
1436659_at	-3.98	0.00032	0.00258	4.48	0.94	Dclk1
1418798_s_at	-3.98	0.00032	0.00258	8.44	0.83	Srpk3
1455571_x_at	-3.98	0.00032	0.00258	13.17	0.33	Calm1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1437473_at	-3.98	0.00032	0.00258	7.56	0.85	Maf
1424223_at	-3.98	0.00032	0.00260	9.77	0.57	1700020C11Rik
1430623_s_at	-3.97	0.00032	0.00260	7.37	0.94	Obfc2a
1436332_at	-3.97	0.00032	0.00260	13.93	0.30	Hspb6
1418281_at	-3.97	0.00033	0.00263	3.13	0.59	Rad51
1440838_at	-3.97	0.00033	0.00264	4.52	0.84	AI852064
1417856_at	-3.97	0.00033	0.00264	3.95	0.76	Relb
1451149_at	-3.97	0.00033	0.00264	13.06	0.34	Pgm2
1421052_a_at	-3.96	0.00034	0.00269	9.98	0.54	Sms
1456789_at	-3.95	0.00035	0.00276	7.72	0.79	Zfp462
1444073_at	-3.95	0.00035	0.00276	5.56	1.19	Maf
1453055_at	-3.95	0.00035	0.00276	8.22	0.64	Sema6d
1427680_a_at	-3.95	0.00035	0.00277	10.24	0.45	Nfib
1435657_at	-3.94	0.00036	0.00280	6.11	0.90	NA
1417229_at	-3.94	0.00036	0.00281	6.98	0.81	Capn1
1450276_a_at	-3.94	0.00036	0.00282	5.72	0.98	Scin
1445684_s_at	-3.94	0.00036	0.00283	9.99	0.49	Hdac2
1422992_s_at	-3.94	0.00036	0.00283	3.08	0.59	Pik3cd
1449388_at	-3.93	0.00037	0.00288	9.45	0.69	Thbs4
1422983_at	-3.93	0.00037	0.00288	4.30	1.38	Itgb6
1422538_at	-3.93	0.00037	0.00289	8.30	0.65	Extl2
1452250_a_at	-3.93	0.00037	0.00291	7.91	0.73	Col6a2
1434272_at	-3.93	0.00037	0.00292	10.12	0.48	Cpeb2
1452319_at	-3.93	0.00037	0.00292	3.29	0.71	Zfp82
1437700_at	-3.93	0.00037	0.00292	3.27	0.81	Schip1
1423856_at	-3.92	0.00038	0.00292	10.32	0.50	Rpl17
1453421_at	-3.92	0.00038	0.00293	5.16	1.04	Srr
1424986_s_at	-3.92	0.00038	0.00293	8.44	0.64	Fbxw7
1437833_at	-3.92	0.00038	0.00298	4.20	0.85	Ltbp3
1420677_x_at	-3.92	0.00039	0.00298	4.69	2.14	Lce1a1
1437278_a_at	-3.91	0.00039	0.00299	11.90	0.41	Uba2
1418210_at	-3.91	0.00039	0.00300	12.40	0.40	Pfn2
1446563_at	-3.91	0.00039	0.00301	4.20	1.06	NA
1435787_at	-3.91	0.00039	0.00301	9.06	0.62	Ppm1l
1448484_at	-3.91	0.00039	0.00301	12.10	0.49	Amd1
1430125_s_at	-3.91	0.00039	0.00303	8.59	0.61	Pq1c1
1455732_at	-3.91	0.00040	0.00305	9.25	0.55	2610510E02Rik
1449059_a_at	-3.90	0.00041	0.00312	13.02	0.34	Oxct1
1451305_at	-3.90	0.00041	0.00313	6.05	0.98	Cby1
1443534_at	-3.88	0.00042	0.00320	9.13	1.01	NA
1434436_at	-3.88	0.00043	0.00324	5.14	0.95	Morc4
1440084_at	-3.88	0.00043	0.00324	7.44	0.98	AI663975
1423054_at	-3.88	0.00043	0.00327	7.76	0.70	Wdr1
1422879_at	-3.88	0.00043	0.00327	10.81	0.49	Sypl
1440202_at	-3.88	0.00043	0.00327	4.41	0.86	5930412I24Rik
1416313_at	-3.87	0.00044	0.00335	10.68	0.51	Mllt11
1449645_s_at	-3.86	0.00045	0.00336	7.87	0.70	Cct3
1422966_a_at	-3.86	0.00045	0.00337	4.56	1.29	Tfrc

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1424131_at	-3.86	0.00045	0.00339	8.39	0.64	Col6a3
1425454_a_at	-3.86	0.00046	0.00342	3.99	0.82	Il12a
1450782_at	-3.86	0.00046	0.00343	5.80	0.87	Wnt4
1457587_at	-3.85	0.00046	0.00345	9.23	0.61	Kcnq5
1451219_at	-3.85	0.00046	0.00345	9.29	0.51	Ormdl1
1439946_at	-3.85	0.00046	0.00345	5.64	1.12	Mef2c
1440364_a_at	-3.85	0.00047	0.00346	4.04	0.73	Aasdh
1424014_at	-3.85	0.00047	0.00346	6.43	0.78	2900092E17Rik
1424616_s_at	-3.84	0.00048	0.00354	7.98	0.66	Frag1
1424990_at	-3.84	0.00048	0.00354	6.12	0.92	Orai1
1435228_at	-3.83	0.00049	0.00361	9.46	0.48	BC023829
1435194_at	-3.83	0.00049	0.00362	10.00	0.49	Hspa4
1438030_at	-3.83	0.00050	0.00365	8.88	0.66	Rasgrp3
1425767_a_at	-3.83	0.00050	0.00365	9.01	0.53	Six4
1459632_at	-3.83	0.00050	0.00366	5.70	1.13	NA
1422837_at	-3.83	0.00050	0.00366	4.53	1.55	Scel
1452646_at	-3.82	0.00050	0.00367	11.34	0.54	Trp53inp2
1443161_at	-3.82	0.00051	0.00374	6.46	0.91	Trps1
1434864_at	-3.81	0.00052	0.00377	6.89	0.81	Nipa1
1417435_at	-3.81	0.00052	0.00377	8.83	0.59	Large
1421027_a_at	-3.81	0.00053	0.00382	12.70	0.47	Mef2c
1457851_at	-3.81	0.00053	0.00382	5.57	0.97	D10Ertd276e
1434722_at	-3.81	0.00053	0.00382	13.38	0.33	Ampd1
1425730_at	-3.81	0.00053	0.00383	5.79	0.86	Cacng6
1460314_s_at	-3.80	0.00053	0.00384	3.44	0.65	Hist2h3c1
1421495_a_at	-3.80	0.00054	0.00387	5.72	0.85	1700052N19Rik
1418769_at	-3.80	0.00054	0.00389	11.62	0.53	Myoz2
1456211_at	-3.80	0.00054	0.00389	3.11	0.70	Nlrp10
1433897_at	-3.80	0.00054	0.00390	9.91	0.48	AI597468
1418063_at	-3.79	0.00055	0.00392	3.34	0.84	Kera
1446475_at	-3.79	0.00055	0.00392	4.96	1.56	Mbnl2
1427410_at	-3.79	0.00056	0.00399	6.46	0.84	Dleu2
1420817_at	-3.79	0.00056	0.00399	10.27	0.45	Ywhag
1417168_a_at	-3.79	0.00056	0.00400	11.21	0.60	Usp2
1456092_at	-3.79	0.00056	0.00402	4.02	0.73	Kctd7
1456052_at	-3.78	0.00057	0.00404	3.01	0.56	Cdkl3
1422407_s_at	-3.78	0.00057	0.00407	9.09	0.61	Hras1
1456862_at	-3.78	0.00057	0.00407	9.81	0.56	Six4
1455152_at	-3.78	0.00057	0.00408	8.48	0.62	AI462493
1419682_a_at	-3.78	0.00058	0.00410	3.88	0.68	Trp53rk
1420427_a_at	-3.77	0.00058	0.00412	9.41	0.50	Dhx32
1424648_at	-3.77	0.00058	0.00413	4.85	1.01	Rabl4
1448554_s_at	-3.77	0.00059	0.00414	10.72	0.65	Myh7
1448869_a_at	-3.77	0.00059	0.00415	9.31	0.51	Mrps16
1428347_at	-3.76	0.00060	0.00423	4.73	0.83	Cyfp2
1458367_at	-3.76	0.00060	0.00423	4.23	2.15	Gm94
1451968_at	-3.76	0.00060	0.00423	6.75	0.77	Xrcc5
1431030_a_at	-3.76	0.00060	0.00424	7.47	0.83	Rnf14

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1426519_at	-3.76	0.00061	0.00426	7.36	0.76	P4ha1
1417644_at	-3.75	0.00062	0.00434	10.05	0.50	Sspn
1423082_at	-3.75	0.00062	0.00435	8.61	0.60	Derl1
1422558_at	-3.75	0.00062	0.00435	4.44	0.89	Gamt
1455334_at	-3.75	0.00062	0.00435	6.22	0.88	D330038O06Rik
1417686_at	-3.75	0.00062	0.00435	5.03	1.14	Lgals12
1424614_at	-3.75	0.00062	0.00436	5.91	0.89	Frag1
1417985_at	-3.75	0.00063	0.00436	4.96	1.06	Nrarp
1421903_at	-3.75	0.00063	0.00437	6.97	0.78	Med29
1435066_at	-3.74	0.00064	0.00444	7.32	0.89	Pitpnc1
1426679_at	-3.74	0.00064	0.00444	10.40	0.47	Zfp706
1417014_at	-3.74	0.00064	0.00446	9.50	0.49	Hspb8
1418455_at	-3.74	0.00064	0.00447	7.20	0.74	Copz2
1454611_a_at	-3.74	0.00065	0.00447	13.40	0.31	Calm1
1445539_at	-3.73	0.00065	0.00448	9.31	0.56	Pde7b
1437234_x_at	-3.73	0.00065	0.00450	4.57	0.81	Prmt2
1438245_at	-3.73	0.00066	0.00453	5.53	0.91	Nfib
1439945_at	-3.73	0.00066	0.00453	5.17	0.91	Zfp449
1416665_at	-3.73	0.00067	0.00458	10.54	0.50	Coq7
1453726_s_at	-3.72	0.00067	0.00461	10.99	0.40	2810407C02Rik
1435801_at	-3.72	0.00068	0.00465	6.67	0.89	Fktn
1422009_at	-3.72	0.00068	0.00466	8.04	0.66	Atp1b2
1423746_at	-3.71	0.00069	0.00470	8.23	0.59	Txndc5
1451448_a_at	-3.71	0.00069	0.00473	10.35	0.47	1110005A03Rik
1420350_at	-3.71	0.00069	0.00473	4.30	1.47	Lce1a2
1417543_at	-3.71	0.00070	0.00476	6.19	0.79	Rps6ka2
1450344_a_at	-3.71	0.00070	0.00478	4.65	1.32	Ptger3
1453380_a_at	-3.71	0.00070	0.00478	2.84	0.53	Xrcc6bp1
1454084_a_at	-3.71	0.00071	0.00480	6.22	0.79	Senp8
1425527_at	-3.70	0.00071	0.00482	5.19	1.01	Prrx1
1420858_at	-3.70	0.00071	0.00485	11.83	0.44	Pkia
1445870_at	-3.70	0.00072	0.00491	3.73	0.68	Cdc42ep2
1447258_at	-3.70	0.00072	0.00491	4.56	0.93	Myst4
1419985_s_at	-3.69	0.00073	0.00495	6.75	0.91	Ccdc69
1419480_at	-3.69	0.00073	0.00496	2.72	0.66	Sell
1452353_at	-3.69	0.00074	0.00496	8.42	0.61	Gpr155
1434500_at	-3.69	0.00074	0.00497	5.97	0.80	Ttyh2
1423234_at	-3.69	0.00074	0.00498	8.17	0.57	Psmd5
1452801_at	-3.69	0.00074	0.00499	4.52	0.85	Pigk
1449072_a_at	-3.69	0.00074	0.00499	8.25	0.62	N6amt2
1418702_a_at	-3.69	0.00075	0.00501	9.48	0.47	2810428I15Rik
1425526_a_at	-3.68	0.00075	0.00501	8.20	0.79	Prrx1
1450865_s_at	-3.68	0.00075	0.00502	9.45	0.47	Mrps24
1440443_at	-3.68	0.00075	0.00503	7.56	1.32	E030016H06Rik
1448755_at	-3.68	0.00075	0.00503	3.78	0.89	Col15a1
1417979_at	-3.68	0.00076	0.00506	4.77	1.27	Tnmd
1433544_at	-3.68	0.00076	0.00508	10.47	0.44	Als2cr2
1436538_at	-3.68	0.00076	0.00508	3.77	0.69	Ankrd37

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1424735_at	-3.67	0.00078	0.00517	4.54	1.66	Slc25a25
1450085_at	-3.67	0.00078	0.00518	6.15	1.10	Angptl2
1448533_at	-3.67	0.00078	0.00519	9.39	0.48	Tbcb
1452146_a_at	-3.67	0.00078	0.00520	8.29	0.62	Cox15
1431043_at	-3.67	0.00078	0.00520	10.75	0.61	Kbtbd5
1449080_at	-3.67	0.00079	0.00521	8.88	0.53	Hdac2
1423222_at	-3.66	0.00080	0.00530	10.72	0.53	Cap2
1459800_s_at	-3.66	0.00081	0.00536	8.74	0.57	Map3k4
1448194_a_at	-3.65	0.00082	0.00539	11.97	0.48	H19
1434306_at	-3.65	0.00082	0.00540	8.41	0.54	Rab3ip
1417364_at	-3.65	0.00082	0.00541	12.49	0.32	Eef1g
1458802_at	-3.65	0.00083	0.00542	4.71	0.90	Hivep3
1429621_at	-3.64	0.00084	0.00549	8.64	0.61	Cand2
1440555_at	-3.64	0.00084	0.00550	5.97	0.93	Rragd
1456057_x_at	-3.64	0.00085	0.00553	13.65	0.28	Tmem109
1460583_at	-3.64	0.00085	0.00556	6.25	0.83	Golt1b
1450385_at	-3.64	0.00086	0.00557	9.04	0.56	Kpna3
1429389_at	-3.64	0.00086	0.00559	4.90	0.91	Setmar
1439073_at	-3.63	0.00087	0.00563	3.96	0.67	Zfp160
1434348_at	-3.63	0.00087	0.00565	9.31	0.47	Fez2
1448844_at	-3.63	0.00087	0.00566	8.19	0.64	Cyb5b
1451486_at	-3.62	0.00089	0.00576	4.41	0.78	Slc46a3
1424012_at	-3.62	0.00089	0.00576	5.32	0.87	Ttc30a1
1455292_x_at	-3.62	0.00089	0.00576	5.36	0.83	Rsl1
1434532_at	-3.62	0.00090	0.00578	4.76	0.96	Csnrp2
1434152_at	-3.62	0.00090	0.00581	4.81	1.26	Apol7c
1416019_at	-3.61	0.00092	0.00591	5.08	0.84	Dr1
1424107_at	-3.61	0.00093	0.00594	4.44	0.77	Kif18a
1434565_at	-3.61	0.00093	0.00594	10.22	0.44	Cgrrf1
1428865_at	-3.61	0.00093	0.00595	4.08	0.69	Bcl2l12
1455450_at	-3.61	0.00093	0.00597	8.48	0.64	Ptpn3
1428199_at	-3.60	0.00094	0.00601	6.05	0.85	Adal
1439848_at	-3.60	0.00096	0.00611	5.83	0.92	Bves
1443001_at	-3.60	0.00096	0.00612	3.10	0.58	C78344
1435649_at	-3.60	0.00096	0.00612	12.36	0.38	Nexn
1449383_at	-3.59	0.00097	0.00613	13.36	0.29	Adssl1
1448467_a_at	-3.59	0.00097	0.00615	8.99	0.49	Ehbp1l1
1422772_at	-3.59	0.00098	0.00619	6.75	0.79	C1galt1
1417455_at	-3.59	0.00098	0.00622	8.85	0.55	Tgfb3
1419401_at	-3.59	0.00098	0.00622	7.95	0.73	Asb13
1434520_at	-3.59	0.00099	0.00623	8.20	0.59	Sc5d
1428811_at	-3.59	0.00099	0.00624	4.34	0.73	Wfikkn2
1452681_at	-3.58	0.00099	0.00626	5.75	0.80	Dtymk
1454295_at	-3.58	0.00099	0.00626	6.47	1.12	Nrip1
1421002_at	-3.58	0.00100	0.00632	4.66	1.09	Angptl2
1434096_at	-3.58	0.00101	0.00632	7.32	0.83	Slc4a4
1452130_at	-3.58	0.00101	0.00634	9.86	0.48	Txndc14
1436045_at	-3.58	0.00101	0.00635	7.54	0.67	Tsga10

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1457898_at	-3.58	0.00101	0.00635	4.77	0.91	NA
1434879_at	-3.58	0.00102	0.00638	11.11	0.39	Cdc34
1449618_s_at	-3.57	0.00103	0.00640	7.20	0.71	2900092E17Rik
1416390_at	-3.57	0.00104	0.00648	5.89	0.84	Rcbtb2
1458040_at	-3.56	0.00106	0.00659	4.11	0.72	D7Wsu130e
1438345_at	-3.56	0.00106	0.00659	6.19	0.90	NA
1426719_at	-3.56	0.00106	0.00659	9.15	0.49	Apbb2
1425492_at	-3.56	0.00106	0.00659	10.19	0.39	Bmpr1a
1429233_at	-3.56	0.00107	0.00660	4.37	0.76	Sep-11
1448460_at	-3.56	0.00107	0.00661	8.65	0.55	Acvr1
1428406_s_at	-3.56	0.00107	0.00662	9.62	0.43	Hcfc1r1
1456176_x_at	-3.55	0.00108	0.00667	10.27	0.42	Slc25a39
1453749_at	-3.55	0.00108	0.00667	4.33	0.71	2610507I01Rik
1427112_at	-3.55	0.00109	0.00669	6.78	0.71	Ttl
1456812_at	-3.55	0.00109	0.00671	6.92	0.70	Abcd2
1435991_at	-3.55	0.00110	0.00676	6.31	0.81	Nr3c2
1443219_at	-3.55	0.00110	0.00676	9.38	0.56	NA
1448648_at	-3.54	0.00111	0.00682	3.56	0.59	9130005N14Rik
1445841_at	-3.54	0.00112	0.00685	7.82	0.68	Lrrc39
1419114_at	-3.54	0.00112	0.00685	5.72	0.79	Alg14
1438759_x_at	-3.54	0.00112	0.00687	9.92	0.43	NA
1445574_at	-3.54	0.00113	0.00687	7.36	0.97	NA
1429135_at	-3.54	0.00113	0.00689	3.51	0.59	1110059M19Rik
1425007_at	-3.54	0.00113	0.00690	4.83	0.91	Zfp566
1452638_s_at	-3.54	0.00114	0.00693	7.24	0.86	Dnm1l
1448356_at	-3.54	0.00114	0.00693	9.05	0.46	Ube2d2
1450416_at	-3.54	0.00114	0.00694	4.72	0.80	Cbx5
1453230_at	-3.53	0.00114	0.00695	6.06	0.84	Zfp74
1435541_at	-3.53	0.00115	0.00695	3.59	0.74	Btc
1435764_a_at	-3.53	0.00115	0.00696	7.47	0.63	Gemin7
1417930_at	-3.53	0.00116	0.00700	3.77	0.64	Nab2
1433460_at	-3.53	0.00116	0.00701	10.64	0.45	Ttc7b
1452328_s_at	-3.53	0.00116	0.00701	9.51	0.47	Pja2
1455626_at	-3.53	0.00117	0.00703	9.09	0.59	Hoxa9
1452340_at	-3.53	0.00117	0.00703	4.88	0.77	Zfp518b
1457304_at	-3.52	0.00117	0.00707	4.28	0.81	D13ErtD787e
1455054_a_at	-3.52	0.00118	0.00712	10.20	0.38	Dcun1d1
1451872_a_at	-3.52	0.00120	0.00721	4.28	0.71	Neurl
1433621_at	-3.52	0.00120	0.00721	6.53	0.76	Wdr41
1452381_at	-3.52	0.00121	0.00721	5.70	0.84	Creb3l2
1444387_at	-3.51	0.00121	0.00723	3.90	0.64	Nmt2
1438244_at	-3.51	0.00121	0.00725	7.09	0.78	Nfib
1444130_at	-3.51	0.00121	0.00725	5.23	0.79	1700081L11Rik
1435970_at	-3.51	0.00122	0.00725	9.11	0.49	Nlk
1416536_at	-3.51	0.00123	0.00731	7.26	0.72	Mum1
1451975_at	-3.51	0.00123	0.00731	7.81	0.70	2810453I06Rik
1441482_at	-3.51	0.00123	0.00731	4.15	0.91	Map2k6
1450843_a_at	-3.51	0.00123	0.00732	8.76	0.53	Serpinh1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1420676_at	-3.51	0.00123	0.00732	4.57	2.38	Lce1a1
1424440_at	-3.51	0.00123	0.00732	8.90	0.57	Mrps6
1451540_at	-3.51	0.00123	0.00732	8.58	0.53	Mpi
1448669_at	-3.51	0.00123	0.00732	4.54	1.06	Dkk3
1428598_at	-3.51	0.00124	0.00734	6.08	0.79	Tbc1d7
1437019_at	-3.50	0.00125	0.00735	5.96	1.26	2200001I15Rik
1455538_at	-3.50	0.00125	0.00735	9.18	0.49	6330403M23Rik
1449459_s_at	-3.50	0.00125	0.00735	8.49	0.62	Asb13
1418095_at	-3.50	0.00125	0.00735	13.61	0.33	Smpx
1460687_at	-3.50	0.00125	0.00735	9.57	0.57	Setd8
1424801_at	-3.50	0.00125	0.00737	8.72	0.66	Enah
1453552_at	-3.50	0.00125	0.00737	7.88	0.83	2310014F07Rik
1436844_at	-3.50	0.00126	0.00741	9.06	0.45	AW046287
1441445_at	-3.50	0.00126	0.00742	4.96	0.87	Per3
1452049_at	-3.50	0.00127	0.00745	7.87	0.59	Rpl7l1
1455650_at	-3.50	0.00127	0.00745	3.70	0.69	NA
1456770_at	-3.50	0.00128	0.00747	3.88	0.75	Zfp14
1424946_a_at	-3.49	0.00128	0.00748	6.53	0.72	Mtfr1
1454857_at	-3.49	0.00128	0.00748	3.67	0.64	Rnf122
1442873_at	-3.49	0.00128	0.00748	4.01	0.67	NA
1433923_at	-3.49	0.00128	0.00749	5.38	2.76	Krt77
1417081_a_at	-3.49	0.00128	0.00750	12.17	0.35	Syngn2
1422529_s_at	-3.49	0.00128	0.00750	9.02	0.80	Casq2
1457532_at	-3.49	0.00128	0.00750	4.19	0.71	Garnl1
1447783_x_at	-3.49	0.00129	0.00750	7.83	0.62	Slc25a39
1456895_at	-3.49	0.00129	0.00750	5.11	1.85	Cd209b
1458376_at	-3.49	0.00130	0.00755	5.56	0.92	B930025B16Rik
1425646_at	-3.49	0.00131	0.00760	6.35	0.88	BC016495
1434927_at	-3.48	0.00132	0.00768	12.26	0.56	Hspb7
1448127_at	-3.48	0.00133	0.00769	8.49	0.61	Rrm1
1453604_a_at	-3.48	0.00133	0.00770	8.43	0.57	Hbs1l
1427936_at	-3.48	0.00133	0.00770	3.88	0.68	Thnsl1
1455060_at	-3.48	0.00134	0.00773	8.75	0.55	G3bp1
1423488_at	-3.48	0.00134	0.00774	8.74	1.30	Mmd
1453424_at	-3.48	0.00134	0.00774	5.65	0.88	Fyco1
1433842_at	-3.48	0.00134	0.00774	7.86	0.71	Lrrfip1
1429565_s_at	-3.48	0.00134	0.00774	4.54	1.70	Lce1m
1425231_a_at	-3.48	0.00135	0.00775	8.57	0.52	Zfp46
1421953_at	-3.48	0.00135	0.00776	3.84	0.63	Crkl
1439753_x_at	-3.47	0.00136	0.00783	9.85	0.50	Six4
1460412_at	-3.47	0.00137	0.00785	3.04	0.51	Fbln7
1435207_at	-3.47	0.00137	0.00785	6.64	0.85	Dixdc1
1437739_a_at	-3.47	0.00137	0.00786	4.20	0.71	5430432N15Rik
1429348_at	-3.46	0.00139	0.00795	10.16	0.39	Sema3c
1451558_at	-3.46	0.00139	0.00795	8.62	0.55	Fbxw7
1438072_at	-3.46	0.00139	0.00796	5.99	0.79	Nfib
1449079_s_at	-3.46	0.00140	0.00797	11.62	0.37	St3gal6
1425211_at	-3.46	0.00140	0.00798	6.39	0.75	Gatc

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1455326_at	-3.46	0.00140	0.00798	3.20	0.51	Clec16a
1434389_at	-3.46	0.00140	0.00799	8.41	0.51	Sos1
1417093_a_at	-3.46	0.00141	0.00802	6.94	0.68	Gtf2h4
1432436_a_at	-3.46	0.00142	0.00807	6.39	0.76	Ak3
1454850_at	-3.46	0.00142	0.00809	4.49	0.85	Tbc1d10c
1434900_at	-3.46	0.00143	0.00810	4.98	0.99	Mkl1
1431606_a_at	-3.46	0.00143	0.00810	6.56	0.78	Angel2
1426984_at	-3.45	0.00143	0.00810	5.25	0.80	2310067B10Rik
1421815_at	-3.45	0.00145	0.00823	8.95	0.51	Epdr1
1447658_x_at	-3.45	0.00145	0.00823	6.82	0.81	Synpo2l
1435745_at	-3.45	0.00146	0.00826	10.73	0.43	5031439G07Rik
1458087_at	-3.45	0.00147	0.00829	11.10	0.41	Stac3
1423349_at	-3.44	0.00147	0.00829	5.21	0.76	Socs5
1448693_at	-3.44	0.00148	0.00833	4.28	0.66	Gltpd1
1421828_at	-3.44	0.00148	0.00834	10.14	0.40	Kpna3
1426887_at	-3.44	0.00148	0.00835	3.66	0.62	Nudt11
1421059_a_at	-3.44	0.00149	0.00836	6.79	0.85	Alg2
1434657_at	-3.44	0.00149	0.00837	8.21	0.59	Gls
1449017_at	-3.44	0.00149	0.00838	8.24	0.56	Nutf2
1417982_at	-3.44	0.00150	0.00840	9.24	0.48	Insig2
1425027_s_at	-3.44	0.00150	0.00841	4.00	0.65	Sft2d2
1425097_a_at	-3.44	0.00151	0.00843	8.87	0.57	Zfp106
1456590_x_at	-3.43	0.00151	0.00845	12.34	0.32	Akr1b3
1428243_at	-3.43	0.00152	0.00846	4.61	0.72	1700021K19Rik
1426404_a_at	-3.43	0.00152	0.00846	11.47	0.37	Rnf11
1427268_at	-3.43	0.00152	0.00848	3.51	1.03	Flg
1418505_at	-3.43	0.00153	0.00849	12.08	0.35	Nudt4
1428781_at	-3.43	0.00154	0.00857	4.89	3.05	Dmkn
1418274_at	-3.43	0.00155	0.00860	10.16	0.40	Nutf2
1435188_at	-3.42	0.00156	0.00863	4.38	1.11	Gm129
1435241_at	-3.42	0.00157	0.00865	8.32	0.60	Heatr5a
1452467_at	-3.42	0.00157	0.00865	6.39	0.77	Mmab
1416474_at	-3.42	0.00158	0.00870	8.88	0.57	Nope
1442844_at	-3.42	0.00158	0.00870	4.60	0.78	A830052D11Rik
1450213_at	-3.42	0.00159	0.00875	2.87	0.54	Pde7b
1421290_at	-3.42	0.00159	0.00875	10.75	0.60	Hspb7
1451141_at	-3.41	0.00160	0.00878	4.72	0.82	Mettl8
1439150_x_at	-3.41	0.00161	0.00882	3.41	0.67	Grtp1
1420586_at	-3.41	0.00162	0.00888	2.86	0.50	2900054J07Rik
1430718_s_at	-3.41	0.00163	0.00892	4.13	0.72	Dph4
1424996_at	-3.41	0.00163	0.00892	7.51	0.68	Cflar
1434883_at	-3.41	0.00163	0.00892	8.38	0.52	Mtdh
1416023_at	-3.41	0.00163	0.00892	13.10	0.31	Fabp3
1431063_at	-3.41	0.00163	0.00893	3.87	0.65	NA
1436644_x_at	-3.40	0.00165	0.00899	3.74	0.71	Tmem25
1423925_at	-3.40	0.00165	0.00899	7.80	0.58	Dhx16
1435760_at	-3.40	0.00165	0.00899	3.10	1.12	Csta
1418370_at	-3.40	0.00165	0.00900	11.76	0.50	Tnnc1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1434229_a_at	-3.40	0.00165	0.00900	10.56	0.40	Polb
1452094_at	-3.40	0.00166	0.00902	6.68	0.70	P4ha1
1422797_at	-3.40	0.00166	0.00902	9.71	0.41	Mapbpip
1455372_at	-3.40	0.00166	0.00902	10.19	0.39	Cpeb3
1435334_at	-3.40	0.00167	0.00907	3.55	0.57	Ttc7
1421937_at	-3.40	0.00167	0.00908	3.72	0.69	Dapp1
1426586_at	-3.40	0.00168	0.00912	11.37	0.38	Slc25a11
1418395_at	-3.40	0.00168	0.00913	9.57	0.52	Slc47a1
1426122_a_at	-3.39	0.00169	0.00915	8.97	0.55	Coro6
1439859_at	-3.39	0.00172	0.00928	9.07	0.47	9630033F20Rik
1415674_a_at	-3.39	0.00172	0.00930	8.14	0.55	Trappc4
1454256_s_at	-3.38	0.00173	0.00934	9.15	0.51	1700113I22Rik
1417035_at	-3.38	0.00173	0.00934	5.23	0.73	Sac3d1
1419606_a_at	-3.38	0.00174	0.00935	11.44	0.53	Tnnt1
1434534_at	-3.38	0.00174	0.00935	4.31	1.24	Dsc3
1434944_at	-3.38	0.00175	0.00939	9.03	0.52	Dmpk
1428104_at	-3.38	0.00176	0.00943	3.87	0.63	Tpx2
1436641_at	-3.38	0.00177	0.00946	3.83	0.67	AI415730
1455548_at	-3.38	0.00177	0.00948	7.33	0.74	Dlgap4
1452363_a_at	-3.38	0.00178	0.00949	11.15	0.52	Atp2a2
1448283_a_at	-3.38	0.00178	0.00949	10.65	0.43	Uba2
1448853_at	-3.38	0.00178	0.00949	11.17	0.37	Synj2bp
1416221_at	-3.38	0.00178	0.00949	9.59	0.45	Fstl1
1434274_at	-3.37	0.00180	0.00958	10.08	0.45	Mycbp2
1451871_a_at	-3.37	0.00181	0.00964	7.89	0.62	Ghr
1423381_at	-3.37	0.00182	0.00968	3.47	0.70	4921521F21Rik
1434357_a_at	-3.37	0.00182	0.00968	3.81	0.66	Kpnb1
1438483_at	-3.37	0.00183	0.00970	7.16	0.78	Nos1
1450740_a_at	-3.36	0.00184	0.00974	10.17	0.39	Mapre1
1428198_at	-3.36	0.00186	0.00982	7.76	0.66	Adal
1425228_a_at	-3.36	0.00186	0.00982	6.72	0.71	Dguok
1452286_at	-3.36	0.00187	0.00986	11.53	0.36	Slain2
1432129_a_at	-3.36	0.00187	0.00988	4.98	0.86	Prrx1
1451360_at	-3.36	0.00188	0.00988	5.35	0.83	Ergic2

Table S3b. Footnote

Gene lists were generated using the Cyber-T method, with only genes with a *q*-value < 0.01 presented.

¹ *Probe* represents the Affymetrix probe set identifier.

² *t* represents the t-statistic output from the Cyber-T method.

³ *Mean* represents the mean expression signal after normalization.

⁴ *FC* represents the log₂ fold change in normalized signals.

Table S4a. Genes upregulated in white adipose tissue of *S6K^{-/-}* mice compared to wild type mice.

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1443621_at	23.68	2.06E-21	3.23E-17	6.00	5.53	Xaf1
1448231_at	12.14	2.57E-13	1.35E-09	7.78	4.04	Fkbp5
1416125_at	10.85	4.40E-12	1.73E-08	9.68	2.53	Fkbp5
1438059_at	10.58	8.14E-12	2.56E-08	5.75	3.41	1700011I03Rik
1457117_at	9.84	4.74E-11	1.24E-07	5.35	3.91	Nfe2l2
1455930_at	9.63	7.77E-11	1.74E-07	4.81	3.02	NA
1450505_a_at	9.12	2.79E-10	4.38E-07	7.13	3.92	1810015C04Rik
1429235_at	8.69	8.28E-10	1.08E-06	9.43	1.96	Galnt12
1453410_at	8.32	2.12E-09	2.38E-06	6.63	3.51	Angptl4
1433711_s_at	8.19	2.97E-09	3.11E-06	10.27	1.34	Sesn1
1440506_at	8.07	4.15E-09	3.44E-06	5.82	2.95	Slc7a2
1421289_at	8.06	4.17E-09	3.44E-06	5.75	3.31	Hspb7
1444746_at	7.91	6.28E-09	4.56E-06	7.58	2.82	Ptbp2
1416927_at	7.89	6.57E-09	4.56E-06	7.81	3.20	Trp53inp1
1417522_at	7.88	6.77E-09	4.56E-06	7.60	4.11	Fbxo32
1456717_at	7.88	6.82E-09	4.56E-06	5.50	3.00	Tead1
1443116_at	7.79	8.55E-09	5.37E-06	5.77	2.39	Psme4
1438931_s_at	7.71	1.07E-08	6.41E-06	11.69	1.26	Sesn1
1438295_at	7.67	1.18E-08	6.60E-06	5.28	2.07	Glcci1
1428352_at	7.60	1.43E-08	7.62E-06	7.21	1.85	Arrdc2
1453817_at	7.60	1.45E-08	7.62E-06	5.25	1.98	Abca6
1436763_a_at	7.55	1.67E-08	8.08E-06	8.39	1.58	Klf9
1434202_a_at	7.53	1.73E-08	8.08E-06	8.04	1.95	BC055107
1418507_s_at	7.53	1.75E-08	8.08E-06	8.93	2.30	Socs2
1425274_at	7.51	1.85E-08	8.25E-06	5.56	2.87	Asph
1422904_at	7.50	1.89E-08	8.25E-06	8.37	2.35	Fmo2
1434777_at	7.48	1.97E-08	8.35E-06	4.89	2.22	Mycl1
1438796_at	7.43	2.27E-08	9.23E-06	6.02	3.17	Nr4a3
1456341_a_at	7.37	2.69E-08	1.02E-05	12.84	1.09	Klf9
1423434_at	7.37	2.71E-08	1.02E-05	6.08	2.35	Tead1
1418932_at	7.36	2.74E-08	1.02E-05	5.72	2.26	Nfil3
1441326_at	7.26	3.65E-08	1.32E-05	6.44	2.15	Cp
1424683_at	7.25	3.74E-08	1.32E-05	11.74	2.62	1810015C04Rik
1454699_at	7.24	3.79E-08	1.32E-05	10.87	1.33	Sesn1
1457347_at	7.16	4.76E-08	1.45E-05	5.57	3.95	Ryr1
1447891_at	7.15	4.96E-08	1.47E-05	4.97	2.83	Tacc2
1452124_at	7.13	5.11E-08	1.49E-05	7.83	2.42	Ank3
1455377_at	7.12	5.37E-08	1.53E-05	4.96	2.19	Ttll7
1429236_at	7.09	5.82E-08	1.63E-05	10.30	1.62	Galnt12
1436555_at	7.07	6.07E-08	1.67E-05	7.14	2.73	Slc7a2
1443954_at	7.03	6.87E-08	1.80E-05	5.77	2.23	Rad18
1428111_at	7.00	7.31E-08	1.83E-05	5.81	2.45	Slc38a4
1442018_at	7.00	7.44E-08	1.83E-05	4.59	2.51	AI426953
1452345_at	7.00	7.47E-08	1.83E-05	6.66	4.86	Lmod2
1422557_s_at	7.00	7.47E-08	1.83E-05	12.69	1.85	Mt1
1439836_at	6.97	7.99E-08	1.93E-05	5.62	3.89	Asb15
1438704_at	6.94	8.76E-08	2.09E-05	8.99	6.99	Trim63
1444018_at	6.92	9.29E-08	2.12E-05	6.62	1.94	B930098A02Rik
1457438_at	6.92	9.33E-08	2.12E-05	4.70	1.69	NA
1460147_at	6.87	1.06E-07	2.36E-05	5.40	2.36	A730009E18Rik
1460515_at	6.86	1.08E-07	2.36E-05	4.32	1.83	8430419K02Rik

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
←-PyrCarbMur/L09192_	6.84	1.15E-07	2.42E-05	6.97	3.29	Pcx
1428288_at	6.83	1.17E-07	2.42E-05	12.68	1.09	2310051E17Rik
1428529_at	6.82	1.21E-07	2.46E-05	8.96	1.94	2810026P18Rik
1453332_at	6.81	1.25E-07	2.51E-05	7.24	2.10	2410002O22Rik
1455358_at	6.78	1.35E-07	2.68E-05	4.69	2.83	A2bp1
1458455_at	6.78	1.37E-07	2.68E-05	5.51	2.69	Abra
1423660_at	6.77	1.40E-07	2.68E-05	8.15	1.97	Ctdsp2
1418288_at	6.76	1.45E-07	2.72E-05	11.81	1.14	Lpin1
1417969_at	6.76	1.46E-07	2.72E-05	7.09	2.31	Fbxo31
1433836_a_at	6.74	1.53E-07	2.76E-05	11.43	1.92	8430408G22Rik
1418314_a_at	6.74	1.53E-07	2.76E-05	4.19	2.87	A2bp1
1433837_at	6.74	1.54E-07	2.76E-05	10.73	2.22	8430408G22Rik
1439795_at	6.73	1.59E-07	2.78E-05	9.99	2.23	Gpr64
1428926_at	6.72	1.59E-07	2.78E-05	6.01	1.96	1110003O08Rik
1416053_at	6.71	1.66E-07	2.86E-05	4.21	1.77	Lrrn1
1426008_a_at	6.69	1.73E-07	2.96E-05	3.61	1.89	Slc7a2
1426516_a_at	6.69	1.76E-07	2.97E-05	12.16	1.12	Lpin1
1454752_at	6.67	1.84E-07	3.04E-05	6.11	2.58	Rbm24
1449109_at	6.66	1.88E-07	3.06E-05	9.44	1.68	Socs2
1416255_at	6.66	1.89E-07	3.06E-05	4.41	1.71	Gja4
1452418_at	6.62	2.12E-07	3.39E-05	12.30	1.55	1200016E24Rik
1422153_a_at	6.62	2.16E-07	3.42E-05	5.53	3.85	Asb11
1444295_at	6.59	2.34E-07	3.68E-05	5.36	1.75	Neo1
1419157_at	6.56	2.54E-07	3.87E-05	4.37	2.36	Sox4
1430462_at	6.54	2.66E-07	3.98E-05	5.34	2.73	2310002L09Rik
1429895_at	6.54	2.66E-07	3.98E-05	5.69	1.78	2310010G23Rik
1448747_at	6.53	2.78E-07	4.10E-05	9.57	2.75	Fbxo32
1418589_a_at	6.52	2.80E-07	4.10E-05	6.28	3.65	Mlf1
1434817_s_at	6.52	2.83E-07	4.12E-05	8.08	1.94	4930535B03Rik
1422648_at	6.52	2.86E-07	4.12E-05	4.74	2.08	Slc7a2
1435813_at	6.50	2.94E-07	4.16E-05	5.28	3.32	Mypn
1454005_at	6.50	2.98E-07	4.18E-05	3.75	1.14	Fmo2
1444564_at	6.48	3.18E-07	4.43E-05	5.76	2.22	Apod
1438350_at	6.46	3.32E-07	4.57E-05	8.88	2.35	Gpr64
1421534_at	6.44	3.51E-07	4.75E-05	9.00	1.70	LOC14210
-PyrCarbMur/L09192_M	6.44	3.57E-07	4.75E-05	7.64	2.73	Pcx
1428332_at	6.44	3.57E-07	4.75E-05	8.58	1.34	Pik3ip1
1458660_at	6.41	3.87E-07	5.07E-05	4.69	3.02	AI414330
1432007_s_at	6.40	3.97E-07	5.15E-05	8.99	1.60	Ap2a2
1421413_a_at	6.35	4.49E-07	5.74E-05	7.87	2.63	Pdlim5
1445188_at	6.35	4.58E-07	5.81E-05	4.77	2.06	Gphn
1453582_at	6.34	4.73E-07	5.90E-05	4.21	1.64	Chka
1422997_s_at	6.31	5.03E-07	6.12E-05	6.82	2.68	Acot2
1459887_at	6.31	5.11E-07	6.14E-05	4.64	1.81	Ube4a
1441964_at	6.30	5.22E-07	6.21E-05	6.23	1.70	1110003F05Rik
1440417_at	6.29	5.36E-07	6.33E-05	6.79	1.99	D19Ert409e
1437523_s_at	6.28	5.55E-07	6.46E-05	6.51	2.89	Sgcg
1416075_at	6.28	5.59E-07	6.46E-05	9.07	1.40	Sav1
1428289_at	6.27	5.64E-07	6.46E-05	11.67	1.06	2310051E17Rik
1453435_a_at	6.27	5.67E-07	6.46E-05	10.79	1.42	Fmo2
1427200_at	6.27	5.68E-07	6.46E-05	9.40	1.18	Zranb1
1433783_at	6.22	6.48E-07	7.22E-05	8.85	1.98	Ldb3
1436326_at	6.19	7.15E-07	7.80E-05	8.87	1.46	Rora

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1455773_at	6.19	7.20E-07	7.80E-05	9.07	1.45	NA
1424638_at	6.18	7.41E-07	7.97E-05	10.04	1.50	Cdkn1a
1435459_at	6.16	7.74E-07	8.27E-05	10.67	1.35	Fmo2
1425745_a_at	6.14	8.16E-07	8.66E-05	10.18	1.72	Tacc2
1455418_at	6.13	8.44E-07	8.85E-05	9.76	1.05	NA
1416572_at	6.13	8.51E-07	8.85E-05	9.42	1.31	Mmp14
1438946_at	6.13	8.60E-07	8.89E-05	7.13	2.06	Pdgfra
1442277_at	6.12	8.73E-07	8.91E-05	4.71	2.26	Chka
1438824_at	6.11	8.94E-07	8.98E-05	4.08	1.31	Slc20a1
1425282_at	6.11	8.97E-07	8.98E-05	4.71	2.43	Rnf144b
1457321_at	6.09	9.51E-07	9.40E-05	5.95	1.93	D130037M23Rik
1455165_at	6.08	9.64E-07	9.47E-05	9.46	1.23	Rora
1428025_s_at	6.07	9.92E-07	9.66E-05	6.63	1.71	Pitpnc1
1456182_x_at	6.06	1.02E-06	9.71E-05	4.74	2.97	Mela
1440179_x_at	6.06	1.03E-06	9.71E-05	7.71	1.62	Rnf217
1444139_at	6.06	1.03E-06	9.71E-05	6.40	2.22	Ddit4l
1424649_a_at	6.06	1.03E-06	9.71E-05	5.05	2.12	Tspan8
1449065_at	6.05	1.05E-06	9.85E-05	8.09	2.88	Acot1
1443138_at	6.04	1.10E-06	0.00010	5.75	1.65	Sult5a1
1421037_at	6.03	1.13E-06	0.00010	6.02	2.35	Npas2
1440053_at	6.02	1.16E-06	0.00011	4.28	1.47	Adam12
1448595_a_at	6.02	1.17E-06	0.00011	8.53	1.52	Bex1
1451372_a_at	6.02	1.17E-06	0.00011	6.32	3.90	Art1
1419621_at	6.00	1.22E-06	0.00011	5.80	3.02	Ankrd2
1427052_at	5.99	1.26E-06	0.00011	9.71	1.62	Acacb
1434927_at	5.99	1.28E-06	0.00011	8.21	2.10	Hspb7
1423608_at	5.98	1.30E-06	0.00011	9.10	1.35	Itm2a
1453628_s_at	5.97	1.32E-06	0.00011	5.80	3.00	Lrrc2
1422905_s_at	5.96	1.37E-06	0.00012	10.23	1.61	Fmo2
1446001_at	5.96	1.38E-06	0.00012	4.97	1.62	Reps1
1440104_at	5.96	1.39E-06	0.00012	6.89	2.45	Ranbp2
1428306_at	5.95	1.40E-06	0.00012	10.69	1.73	Ddit4
1459238_at	5.95	1.41E-06	0.00012	5.84	1.57	NA
1426812_a_at	5.94	1.46E-06	0.00012	9.41	1.79	9130404D14Rik
1458129_at	5.93	1.48E-06	0.00012	6.98	1.54	Rora
1416332_at	5.93	1.50E-06	0.00012	9.30	1.49	Cirbp
1439332_at	5.92	1.54E-06	0.00012	5.74	1.85	Ddit4l
1426114_at	5.91	1.56E-06	0.00012	12.18	1.16	Hnrpab
1448482_at	5.89	1.66E-06	0.00013	6.70	2.54	Slc39a8
1436871_at	5.89	1.67E-06	0.00013	7.98	1.79	Sfrs7
1432794_at	5.89	1.67E-06	0.00013	3.78	1.24	2310058F05Rik
1451447_at	5.88	1.73E-06	0.00013	6.55	2.28	Cuedc1
1456456_x_at	5.87	1.76E-06	0.00013	4.47	2.17	Mela
1429783_at	5.87	1.80E-06	0.00014	9.79	3.60	Pdlim5
1446603_at	5.87	1.80E-06	0.00014	5.20	1.66	NA
1437137_at	5.86	1.83E-06	0.00014	6.40	1.85	6430550H21Rik
1418745_at	5.85	1.88E-06	0.00014	6.92	1.79	Omd
1423447_at	5.83	1.98E-06	0.00015	10.40	1.03	Clpx
1458368_at	5.83	2.00E-06	0.00015	8.39	5.30	Myh4
1442258_at	5.83	2.01E-06	0.00015	5.79	1.78	NA
1451047_at	5.81	2.12E-06	0.00015	6.68	1.65	Itm2a
1444749_at	5.81	2.12E-06	0.00015	4.37	1.98	NA
1416371_at	5.81	2.13E-06	0.00015	10.39	1.67	Apod

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1459557_at	5.80	2.17E-06	0.00015	5.92	1.94	Zbtb16
1451612_at	5.80	2.18E-06	0.00015	4.72	2.49	Mt1
1458460_at	5.79	2.20E-06	0.00015	5.90	1.87	Stim1
1443823_s_at	5.79	2.21E-06	0.00015	13.67	0.70	Atp1a2
1444333_at	5.79	2.24E-06	0.00016	6.50	1.69	NA
1421254_a_at	5.79	2.25E-06	0.00016	4.64	2.11	Sgcg
1439249_at	5.78	2.30E-06	0.00016	6.05	1.55	Wac
1450276_a_at	5.78	2.31E-06	0.00016	4.89	1.46	Scin
1427312_at	5.74	2.55E-06	0.00017	7.39	4.17	Cmya5
1422264_s_at	5.74	2.57E-06	0.00017	10.11	1.18	Klf9
1457275_at	5.74	2.58E-06	0.00017	8.58	1.94	Dmn
1449398_at	5.73	2.62E-06	0.00018	5.50	2.76	Rpl3l
1444083_at	5.72	2.71E-06	0.00018	6.94	4.30	Ttn
1451751_at	5.72	2.75E-06	0.00018	5.57	2.22	Ddit4l
1439753_x_at	5.70	2.85E-06	0.00019	6.34	1.87	Six4
1416041_at	5.70	2.86E-06	0.00019	12.47	1.27	Sgk1
1420583_a_at	5.70	2.87E-06	0.00019	9.00	1.12	Rora
1429463_at	5.70	2.88E-06	0.00019	7.03	1.70	Prkaa2
1450468_at	5.70	2.92E-06	0.00019	8.07	1.47	Myoc
1445717_at	5.69	3.01E-06	0.00019	5.12	1.55	Luc7l2
1433438_x_at	5.68	3.03E-06	0.00019	5.01	3.11	Mela
1449733_s_at	5.68	3.04E-06	0.00019	7.94	1.48	Siah1a
1421679_a_at	5.68	3.08E-06	0.00020	4.77	1.65	Cdkn1a
1420884_at	5.67	3.12E-06	0.00020	5.22	3.45	Sln
1423238_at	5.66	3.24E-06	0.00020	4.20	2.08	Itgb1bp2
1435504_at	5.66	3.26E-06	0.00020	7.30	1.67	Clip4
1427595_at	5.66	3.28E-06	0.00020	5.44	2.40	Acaca
1441150_x_at	5.64	3.42E-06	0.00021	10.59	1.24	NA
1451743_at	5.64	3.45E-06	0.00021	6.29	1.53	D19Wsu162e
1442744_at	5.64	3.46E-06	0.00021	9.27	1.55	NA
1416084_at	5.63	3.56E-06	0.00022	9.12	1.25	Zfand5
1448327_at	5.62	3.61E-06	0.00022	6.14	3.68	Actn2
1446148_x_at	5.60	3.81E-06	0.00023	7.71	1.74	NA
1449356_at	5.60	3.83E-06	0.00023	8.10	4.07	Asb5
1446899_at	5.60	3.88E-06	0.00023	3.61	0.95	NA
1447713_at	5.58	4.10E-06	0.00024	4.42	2.28	Tpm1
1436898_at	5.56	4.29E-06	0.00025	10.41	1.33	Sfpq
1426235_a_at	5.55	4.40E-06	0.00026	12.08	1.13	Glul
1446068_at	5.55	4.42E-06	0.00026	6.73	2.12	Adk
1436325_at	5.55	4.46E-06	0.00026	6.38	1.62	Rora
1419440_at	5.55	4.48E-06	0.00026	5.09	2.52	Trim54
1454288_at	5.54	4.62E-06	0.00027	5.43	2.03	5830468K08Rik
1418951_at	5.52	4.87E-06	0.00027	5.78	3.24	Txlnb
1443167_at	5.51	4.94E-06	0.00028	5.66	1.75	Rnf12
1426337_a_at	5.51	4.94E-06	0.00028	3.48	1.11	Tead4
1418278_at	5.51	4.94E-06	0.00028	5.91	2.30	Apoc3
1450459_at	5.51	5.01E-06	0.00028	5.74	1.86	2010106G01Rik
1422088_at	5.51	5.03E-06	0.00028	3.75	1.09	Mycl1
1438815_at	5.50	5.06E-06	0.00028	4.80	1.28	Hist2h2aa2
1451628_a_at	5.50	5.07E-06	0.00028	5.85	1.69	Ank3
1429050_at	5.50	5.09E-06	0.00028	9.42	1.43	Chic2
1419816_s_at	5.50	5.10E-06	0.00028	9.13	2.75	Errfi1
1453976_at	5.50	5.15E-06	0.00028	5.73	1.70	4432414F05Rik

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1454038_at	5.50	5.16E-06	0.00028	3.48	0.97	4833403I15Rik
1423661_s_at	5.49	5.21E-06	0.00028	6.26	1.60	Ctdsp2
1444503_at	5.49	5.31E-06	0.00028	4.80	1.35	Gbas
1445235_at	5.48	5.42E-06	0.00028	4.96	1.59	Ythdf3
1439087_a_at	5.47	5.57E-06	0.00029	6.68	1.59	5830455E04Rik
1424178_at	5.47	5.58E-06	0.00029	4.46	2.45	Tmem38a
1446147_at	5.47	5.65E-06	0.00029	8.40	1.65	NA
1428942_at	5.46	5.67E-06	0.00029	12.06	1.95	Mt2
1442049_at	5.46	5.69E-06	0.00029	4.34	1.29	Trf
1444494_at	5.45	5.89E-06	0.00030	6.34	3.84	Kbtbd10
1446102_at	5.44	6.06E-06	0.00031	5.77	1.69	D9Ertd292e
1419717_at	5.44	6.13E-06	0.00031	6.06	1.53	Sema3e
1426607_at	5.44	6.14E-06	0.00031	7.96	1.48	EG633640
1454299_at	5.43	6.17E-06	0.00031	3.46	1.01	4833422B07Rik
1433634_at	5.42	6.36E-06	0.00032	9.35	1.23	Irf2bp2
1418952_at	5.42	6.39E-06	0.00032	5.71	2.21	Txlnb
1420693_at	5.42	6.45E-06	0.00032	6.28	2.72	Myom1
1427747_a_at	5.42	6.49E-06	0.00032	5.03	1.58	Lcn2
1424034_at	5.42	6.50E-06	0.00032	8.05	1.33	Rora
1453698_at	5.41	6.65E-06	0.00032	8.71	1.67	6030451C04Rik
1429399_at	5.40	6.77E-06	0.00033	10.45	1.91	Rnf125
1416926_at	5.40	6.88E-06	0.00033	11.90	1.24	Trp53inp1
1436952_at	5.39	6.93E-06	0.00033	4.67	1.58	Klf9
1449007_at	5.39	7.04E-06	0.00034	10.30	1.13	Btg3
1436566_at	5.39	7.12E-06	0.00034	9.15	1.35	Rab40b
1425023_at	5.38	7.19E-06	0.00034	7.91	1.39	Usp3
1443755_at	5.38	7.21E-06	0.00034	2.89	0.95	NA
1430798_x_at	5.37	7.45E-06	0.00035	6.28	1.53	Mrpl15
1425281_a_at	5.37	7.45E-06	0.00035	10.94	1.34	Tsc22d3
1429556_at	5.37	7.46E-06	0.00035	10.48	1.38	2610024B07Rik
1448636_at	5.36	7.58E-06	0.00035	4.35	1.56	Myoz1
1449876_at	5.36	7.68E-06	0.00035	6.10	1.43	Prkg1
1452929_at	5.36	7.73E-06	0.00036	9.85	1.11	Clip1
1420494_x_at	5.35	7.81E-06	0.00036	14.19	0.47	Ubc
1422375_a_at	5.35	7.93E-06	0.00036	4.90	1.90	Art1
1447109_at	5.34	8.08E-06	0.00037	7.10	1.63	Elavl1
1429215_at	5.32	8.51E-06	0.00038	6.82	1.47	2310058N22Rik
1424177_at	5.30	9.05E-06	0.00040	6.03	2.36	Tmem38a
1435355_at	5.30	9.06E-06	0.00040	8.66	4.57	Neb
1453851_a_at	5.29	9.25E-06	0.00040	9.94	1.24	Gadd45g
1444811_at	5.29	9.37E-06	0.00041	5.54	1.76	Tloc1
1448602_at	5.28	9.50E-06	0.00041	7.73	3.90	Pygm
1420249_s_at	5.27	9.91E-06	0.00042	11.51	1.01	Ccl6
1444376_at	5.26	1.01E-05	0.00043	4.23	1.47	Sesn1
1443100_at	5.26	1.01E-05	0.00043	7.44	1.74	Thrb
1442710_at	5.26	1.02E-05	0.00043	9.43	1.30	Pdlim5
1439431_x_at	5.24	1.07E-05	0.00045	4.26	1.83	NA
1419150_at	5.23	1.10E-05	0.00046	4.89	2.54	Myf6
1435084_at	5.23	1.12E-05	0.00047	11.63	1.60	C730049O14Rik
1444341_at	5.22	1.14E-05	0.00047	7.55	3.83	8030451F13Rik
1417626_at	5.21	1.19E-05	0.00049	8.77	1.95	Pde4dip
1421916_at	5.21	1.19E-05	0.00049	6.08	1.42	Pdgfra
1458408_at	5.20	1.22E-05	0.00049	6.32	1.83	Samd8

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1449039_a_at	5.20	1.22E-05	0.00049	10.29	1.00	Hnrpd1
1451204_at	5.20	1.23E-05	0.00049	11.71	0.93	Scara5
1455094_s_at	5.19	1.25E-05	0.00050	7.37	1.30	Ube2g1
1426521_at	5.19	1.26E-05	0.00050	9.10	1.16	D230025D16Rik
1455399_at	5.18	1.27E-05	0.00050	3.86	1.53	Cnksr1
1448204_at	5.18	1.27E-05	0.00050	10.71	1.06	Sav1
1441592_at	5.18	1.28E-05	0.00051	6.86	1.52	Jmjd1c
1430969_at	5.17	1.31E-05	0.00051	4.67	1.38	Mtch2
1442618_at	5.17	1.33E-05	0.00052	3.46	0.82	Ldhd
1441112_at	5.16	1.34E-05	0.00052	7.56	1.46	LOC667118
1439153_at	5.16	1.35E-05	0.00052	9.93	1.24	Rnf144b
1449969_at	5.16	1.35E-05	0.00052	5.61	3.30	Tmod4
1442535_at	5.16	1.36E-05	0.00053	4.25	1.05	Zfp609
1443632_at	5.16	1.37E-05	0.00053	4.02	2.19	Obscn
1452096_s_at	5.15	1.39E-05	0.00053	7.62	1.35	D230025D16Rik
1460003_at	5.15	1.40E-05	0.00054	9.45	1.02	AI956758
1425275_at	5.15	1.41E-05	0.00054	5.75	2.41	Asph
1439786_at	5.12	1.51E-05	0.00057	5.12	1.42	Gab2
1417168_a_at	5.12	1.52E-05	0.00057	6.58	1.44	Usp2
1442014_at	5.12	1.52E-05	0.00057	6.01	1.54	Ifrd1
1423866_at	5.12	1.53E-05	0.00057	7.22	2.70	Serpina3k
1452026_a_at	5.12	1.54E-05	0.00057	8.76	1.25	Pla2g12a
1443188_at	5.11	1.55E-05	0.00057	4.55	1.35	Ube2w
1425559_a_at	5.11	1.56E-05	0.00057	10.35	1.78	Acsm3
1455437_at	5.11	1.56E-05	0.00057	10.01	0.96	9030204A07Rik
1448789_at	5.11	1.58E-05	0.00058	9.05	1.03	Aldh1a3
1453512_at	5.10	1.59E-05	0.00058	6.63	1.80	5830407P18Rik
1415997_at	5.10	1.59E-05	0.00058	12.69	1.00	Txnip
1441546_at	5.10	1.60E-05	0.00058	7.05	1.26	LOC624524
1434766_at	5.10	1.61E-05	0.00058	7.23	1.50	NA
1419518_at	5.10	1.62E-05	0.00058	5.11	1.85	Tuba8
1421290_at	5.10	1.63E-05	0.00058	6.50	1.74	Hspb7
1455091_at	5.09	1.64E-05	0.00059	8.98	1.01	3222402P14Rik
1418093_a_at	5.09	1.66E-05	0.00059	5.47	1.40	Egf
1422573_at	5.08	1.68E-05	0.00059	11.07	1.22	Ampd3
1423437_at	5.08	1.69E-05	0.00059	9.04	1.63	Gsta3
1458676_at	5.08	1.72E-05	0.00060	6.20	1.56	Nktr
1424312_at	5.08	1.72E-05	0.00060	5.66	1.41	Adipor1
1456502_at	5.07	1.75E-05	0.00061	5.01	1.38	Dyrk2
1427556_at	5.07	1.76E-05	0.00061	4.60	2.45	Mylk2
1442226_at	5.07	1.78E-05	0.00061	4.11	1.18	Sema3e
1454524_at	5.06	1.80E-05	0.00062	4.66	1.19	2310075M01Rik
1432686_at	5.04	1.89E-05	0.00064	4.25	1.04	4833406M21Rik
1440396_at	5.04	1.89E-05	0.00064	4.76	1.39	Mpp6
1436948_a_at	5.04	1.92E-05	0.00065	8.63	1.27	6430550H21Rik
1441233_at	5.03	1.96E-05	0.00066	8.78	1.25	Srp54a
1425137_a_at	5.03	1.98E-05	0.00066	9.08	1.51	H2-Q10
1434909_at	5.02	2.01E-05	0.00067	5.59	2.20	Rragd
1443471_at	5.02	2.02E-05	0.00068	8.88	1.20	Zbtb20
1454174_a_at	5.02	2.03E-05	0.00068	8.95	1.33	C330007P06Rik
1424489_a_at	5.02	2.04E-05	0.00068	9.22	1.00	Trit1
1436261_at	5.00	2.13E-05	0.00071	4.24	1.20	Dysf
1444037_at	5.00	2.14E-05	0.00071	4.83	1.24	Lman1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1460426_at	5.00	2.15E-05	0.00071	5.63	1.86	Pde4dip
1444195_at	5.00	2.15E-05	0.00071	5.21	1.52	Rmnd5a
1439643_at	4.99	2.19E-05	0.00072	7.29	1.77	Acvr2a
1421253_at	4.99	2.22E-05	0.00072	6.83	3.19	Nrap
1419040_at	4.98	2.26E-05	0.00073	9.55	1.39	Cyp2d22
1428186_at	4.98	2.26E-05	0.00073	8.86	1.20	Kctd6
1427446_s_at	4.98	2.27E-05	0.00073	8.60	4.54	Ttn
1460202_at	4.98	2.27E-05	0.00073	7.32	3.87	Myoz1
1456260_at	4.98	2.28E-05	0.00073	6.91	1.45	Rbbp4
1447034_at	4.98	2.30E-05	0.00073	5.89	1.42	Tnpo1
1423049_a_at	4.98	2.30E-05	0.00073	11.17	2.22	Tpm1
1449178_at	4.98	2.31E-05	0.00073	9.49	1.26	Pdlim3
1425564_at	4.97	2.31E-05	0.00073	3.44	0.77	Rest
1438798_at	4.97	2.32E-05	0.00073	10.03	1.22	4931406P16Rik
1419486_at	4.96	2.39E-05	0.00075	6.48	1.52	Foxc1
1416780_at	4.96	2.43E-05	0.00076	8.76	2.33	Pfkm
1422570_at	4.95	2.45E-05	0.00076	6.19	1.46	Yy1
1440158_x_at	4.95	2.45E-05	0.00076	3.62	1.10	Chchd7
1450970_at	4.95	2.46E-05	0.00076	7.96	1.61	Got1
1436544_at	4.95	2.47E-05	0.00076	8.74	1.30	Atp10d
1448793_a_at	4.95	2.49E-05	0.00077	6.27	1.49	Sdc4
1429223_a_at	4.95	2.50E-05	0.00077	5.22	1.92	Hfe2
1422813_at	4.94	2.52E-05	0.00077	3.46	1.27	Cacng1
1417373_a_at	4.94	2.52E-05	0.00077	10.90	1.46	Tuba4a
1441506_at	4.94	2.53E-05	0.00077	8.54	1.51	Dcn
1426015_s_at	4.94	2.54E-05	0.00077	11.33	0.94	Asph
1422560_at	4.94	2.56E-05	0.00078	5.95	1.37	Rsc1a1
1452125_at	4.94	2.58E-05	0.00078	8.88	1.45	Thrap3
1435719_at	4.93	2.59E-05	0.00078	5.95	1.23	AI448984
1431385_a_at	4.93	2.60E-05	0.00078	6.19	2.08	Mbtps1
1418603_at	4.93	2.65E-05	0.00079	5.03	1.26	Avpr1a
1457814_at	4.93	2.65E-05	0.00079	5.26	1.20	Nsmce2
1427306_at	4.92	2.67E-05	0.00079	6.90	3.14	Ryr1
1417374_at	4.92	2.68E-05	0.00079	9.60	1.39	Tuba4a
1435943_at	4.92	2.71E-05	0.00080	11.62	0.87	Dpep1
1419039_at	4.92	2.72E-05	0.00080	9.22	1.56	Cyp2d22
1443926_at	4.92	2.73E-05	0.00080	8.39	1.45	Meis2
1448990_a_at	4.91	2.81E-05	0.00082	6.87	1.39	Myo1b
1444691_at	4.90	2.84E-05	0.00082	4.66	1.25	Prkd3
1415949_at	4.89	2.93E-05	0.00084	11.14	1.25	Cpe
1423145_a_at	4.89	2.98E-05	0.00085	8.11	4.59	Tcap
1440373_at	4.88	3.01E-05	0.00086	6.15	1.47	Elavl1
1455102_at	4.88	3.01E-05	0.00086	9.23	0.98	Larp4
1456378_s_at	4.88	3.02E-05	0.00086	9.69	0.97	Fbxl20
1431928_at	4.88	3.03E-05	0.00086	3.87	1.39	Ttn
1419109_at	4.87	3.07E-05	0.00086	4.92	2.09	Hrc
1455736_at	4.87	3.13E-05	0.00087	8.30	5.12	Mybpc2
1439006_x_at	4.87	3.13E-05	0.00087	8.29	1.20	6430550H21Rik
1418062_at	4.87	3.13E-05	0.00087	8.01	1.99	Eef1a2
1416129_at	4.87	3.15E-05	0.00088	10.45	2.05	Errfi1
1416987_at	4.86	3.18E-05	0.00088	4.47	1.19	Elp4
1433575_at	4.86	3.20E-05	0.00089	11.54	1.21	NA
1453775_at	4.86	3.22E-05	0.00089	4.19	1.22	4921505C17Rik

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1434458_at	4.86	3.23E-05	0.00089	9.36	1.19	Fst
1420924_at	4.85	3.27E-05	0.00090	8.83	1.50	Timp2
1455785_at	4.85	3.30E-05	0.00090	5.21	1.38	Kcna1
1420376_a_at	4.85	3.31E-05	0.00090	12.18	0.81	H3f3b
1425645_s_at	4.85	3.31E-05	0.00090	5.29	3.12	Cyp2b10
1437230_at	4.85	3.33E-05	0.00091	5.39	1.40	Kcna1
1434728_at	4.85	3.34E-05	0.00091	6.77	1.43	Gria3
1455214_at	4.84	3.40E-05	0.00092	9.87	0.97	Mitf
1422884_at	4.84	3.43E-05	0.00093	9.70	0.93	Snrpd3
1435008_at	4.83	3.51E-05	0.00095	11.11	1.29	Slc9a6
1456621_at	4.83	3.53E-05	0.00095	10.01	1.09	D430015B01Rik
1445559_at	4.83	3.54E-05	0.00095	5.79	1.39	rp9
1456596_at	4.82	3.55E-05	0.00096	7.73	1.32	6430550H21Rik
1447657_s_at	4.81	3.67E-05	0.00098	4.15	1.74	Synpo2l
1437869_at	4.81	3.70E-05	0.00098	7.82	1.23	3222402P14Rik
1445807_at	4.80	3.77E-05	0.00099	5.03	1.36	Prkg1
1437666_x_at	4.80	3.77E-05	0.00099	14.17	0.47	Ubc
1451999_at	4.80	3.80E-05	0.00100	4.65	1.38	Ldb3
1456548_at	4.80	3.81E-05	0.00100	4.83	1.27	Mtdh
1436549_a_at	4.80	3.84E-05	0.00100	10.09	0.91	Hnrnpa1
1430476_at	4.80	3.86E-05	0.00100	5.11	1.57	Srp54b
1422654_at	4.79	3.89E-05	0.00101	4.06	1.37	Sgca
1452651_a_at	4.79	3.93E-05	0.00102	12.19	1.90	Myl1
1424141_at	4.79	3.94E-05	0.00102	9.86	0.96	Hectd1
1435163_at	4.78	4.02E-05	0.00104	7.39	1.48	9030612M13Rik
1443651_at	4.78	4.02E-05	0.00104	4.65	1.29	Phc3
1455680_at	4.78	4.07E-05	0.00104	5.77	1.24	9630025H16Rik
1429094_at	4.77	4.10E-05	0.00105	5.30	1.35	Ddi2
1457147_at	4.77	4.11E-05	0.00105	5.56	1.40	Etl4
1429481_at	4.77	4.16E-05	0.00106	3.80	1.25	Nck2
1443702_at	4.77	4.18E-05	0.00107	5.28	2.19	Mtap4
1456258_at	4.77	4.19E-05	0.00107	7.34	1.29	Emx2
1421321_a_at	4.76	4.21E-05	0.00107	10.70	1.08	Net1
1442769_at	4.76	4.25E-05	0.00108	5.39	1.98	8030451F13Rik
1426236_a_at	4.76	4.26E-05	0.00108	13.75	0.72	Glul
1425461_at	4.76	4.26E-05	0.00108	3.92	0.90	Fbxw11
1429823_at	4.76	4.32E-05	0.00109	3.30	1.00	Sgcg
1451179_a_at	4.75	4.37E-05	0.00109	11.97	0.86	Qk
1420342_at	4.75	4.39E-05	0.00109	8.28	1.37	Gdap10
1420887_a_at	4.75	4.41E-05	0.00110	4.36	1.19	Bcl2l1
1426180_a_at	4.74	4.46E-05	0.00111	5.59	1.90	Smr2
1422257_s_at	4.74	4.55E-05	0.00112	4.57	2.89	Cyp2b10
1458268_s_at	4.73	4.60E-05	0.00113	9.50	1.09	Igfbp3
1423856_at	4.73	4.61E-05	0.00113	4.72	1.70	Rpl17
1458212_at	4.73	4.62E-05	0.00113	4.40	1.10	NA
1459047_x_at	4.73	4.64E-05	0.00114	4.10	1.12	NA
1455645_at	4.73	4.65E-05	0.00114	7.89	4.24	8030451F13Rik
1425099_a_at	4.73	4.66E-05	0.00114	7.43	1.50	Arntl
1457639_at	4.73	4.67E-05	0.00114	5.92	1.45	Atp6v1h
1446490_at	4.72	4.72E-05	0.00115	4.20	1.17	Ptbp2
1443221_at	4.72	4.75E-05	0.00115	6.03	1.44	Wt1
1418677_at	4.72	4.77E-05	0.00115	8.98	4.58	Actn3
1445198_at	4.72	4.80E-05	0.00116	5.66	1.59	Utx

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1442109_at	4.72	4.81E-05	0.00116	8.33	1.33	NA
1449078_at	4.71	4.86E-05	0.00117	9.91	1.48	St3gal6
1416247_at	4.71	4.88E-05	0.00117	11.53	0.80	Dctn3
1449073_at	4.71	4.89E-05	0.00117	5.71	1.51	Flnc
1435874_at	4.71	4.95E-05	0.00118	8.79	1.19	Prkab2
1417190_at	4.70	5.01E-05	0.00119	8.96	1.05	Nampt
1441688_at	4.70	5.03E-05	0.00119	5.59	1.19	6430537I21Rik
1457633_x_at	4.70	5.03E-05	0.00119	4.47	2.76	Cox6a2
1435872_at	4.70	5.05E-05	0.00120	8.24	1.46	Pim1
1432001_at	4.69	5.20E-05	0.00123	6.48	3.23	Zmynd17
1432665_at	4.69	5.21E-05	0.00123	3.87	0.89	2210416J07Rik
1430370_at	4.68	5.29E-05	0.00124	5.32	1.36	Eprs
1444226_at	4.68	5.29E-05	0.00124	3.51	0.80	Foxo3a
1448303_at	4.68	5.30E-05	0.00124	7.99	1.03	Gpnmb
1438906_at	4.68	5.35E-05	0.00125	6.38	1.51	NA
1440272_at	4.68	5.40E-05	0.00126	7.80	1.08	Eif2s1
1438542_at	4.68	5.42E-05	0.00126	4.08	1.30	Trp53
1440222_at	4.68	5.43E-05	0.00126	3.92	0.95	NA
1426191_a_at	4.67	5.48E-05	0.00127	4.19	1.23	Bcl2l1
1458667_at	4.67	5.56E-05	0.00128	8.25	1.31	4930519N13Rik
1425620_at	4.67	5.59E-05	0.00128	7.55	1.26	Tgfbr3
1423222_at	4.67	5.59E-05	0.00128	3.69	1.46	Cap2
1459764_x_at	4.66	5.61E-05	0.00128	7.44	1.15	Snx10
1433598_at	4.66	5.61E-05	0.00128	7.37	1.44	Arglu1
1457146_at	4.66	5.70E-05	0.00129	5.51	1.49	Dock4
1420119_s_at	4.65	5.81E-05	0.00131	6.22	1.51	AU020177
1423086_at	4.65	5.82E-05	0.00131	7.90	1.22	Npc1
1422009_at	4.64	5.93E-05	0.00133	3.70	0.79	Atp1b2
1421907_at	4.64	5.93E-05	0.00133	8.12	1.72	Med1
1441976_at	4.64	5.96E-05	0.00134	5.76	1.33	5430434G16Rik
1448554_s_at	4.64	5.98E-05	0.00134	4.25	2.25	Myh7
1451718_at	4.64	6.03E-05	0.00134	8.19	1.19	Plp1
1456180_at	4.64	6.03E-05	0.00134	2.70	0.68	6330546B05Rik
1436968_x_at	4.64	6.03E-05	0.00134	10.03	0.91	Klh124
1417268_at	4.64	6.09E-05	0.00134	9.38	1.05	Cd14
1442745_x_at	4.63	6.11E-05	0.00134	8.97	1.46	NA
1444612_at	4.63	6.12E-05	0.00134	6.50	1.33	3222402P14Rik
1456216_at	4.63	6.12E-05	0.00134	7.66	1.53	NA
1415965_at	4.63	6.13E-05	0.00134	13.26	0.91	Scd1
1443977_at	4.63	6.13E-05	0.00134	6.55	1.69	E130014H10Rik
1444126_at	4.63	6.14E-05	0.00134	7.07	1.52	Pja2
1427445_a_at	4.63	6.24E-05	0.00136	10.28	4.87	Ttn
1453356_at	4.63	6.26E-05	0.00136	7.65	1.28	5730453I16Rik
1436361_at	4.62	6.33E-05	0.00137	4.65	1.78	Vgll2
1426179_a_at	4.62	6.35E-05	0.00137	5.64	1.40	Twsg1
1419829_a_at	4.62	6.36E-05	0.00137	9.91	1.06	Gab2
1453384_at	4.62	6.41E-05	0.00138	5.35	1.25	Dennd1b
1417273_at	4.61	6.54E-05	0.00140	13.19	1.30	Pdk4
1450047_at	4.61	6.55E-05	0.00140	4.25	1.06	Hs6st2
1444498_at	4.60	6.66E-05	0.00142	5.16	1.50	Gphn
1430097_at	4.60	6.68E-05	0.00142	8.35	1.25	8430436C05Rik
1443402_at	4.60	6.69E-05	0.00142	5.16	1.48	Phka2
1435009_at	4.60	6.70E-05	0.00142	10.05	1.15	Slc9a6

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1418990_at	4.60	6.71E-05	0.00142	11.75	0.92	Ms4a4d
1443315_at	4.60	6.72E-05	0.00142	4.53	1.33	NA
1427867_at	4.60	6.73E-05	0.00142	7.23	2.44	Myh1
1459917_at	4.60	6.74E-05	0.00142	8.26	1.37	Ggnbp2
1444638_at	4.59	6.84E-05	0.00143	6.53	3.93	Ttn
1428440_at	4.59	6.86E-05	0.00143	8.81	1.21	Slc25a12
1416085_s_at	4.59	6.91E-05	0.00144	11.77	0.86	Zfand5
1440267_at	4.59	6.95E-05	0.00144	5.05	1.61	Pex1
1416077_at	4.59	6.96E-05	0.00144	9.28	1.01	Adm
1450917_at	4.59	6.96E-05	0.00144	6.00	2.74	Myom2
1455980_a_at	4.59	6.99E-05	0.00145	5.91	1.43	Gas2l3
1429177_x_at	4.59	7.00E-05	0.00145	10.02	0.99	Sox17
1428562_at	4.59	7.01E-05	0.00145	10.76	0.98	2210403K04Rik
1416816_at	4.59	7.02E-05	0.00145	11.76	0.74	Nek7
1457678_at	4.59	7.03E-05	0.00145	5.67	1.35	2310035C23Rik
1426143_at	4.58	7.06E-05	0.00145	8.73	2.54	Trdn
1436001_at	4.58	7.06E-05	0.00145	4.72	1.14	2310028O11Rik
1417561_at	4.58	7.10E-05	0.00146	9.51	1.09	Apoc1
1425792_a_at	4.58	7.16E-05	0.00146	3.88	1.18	Rorc
1455473_at	4.58	7.20E-05	0.00147	5.06	1.93	Usp13
1433733_a_at	4.58	7.23E-05	0.00147	9.05	1.16	Cry1
1457435_x_at	4.57	7.24E-05	0.00147	7.75	4.36	Myom2
1423233_at	4.57	7.24E-05	0.00147	11.09	1.19	Cebpd
1459391_at	4.57	7.32E-05	0.00148	4.82	1.37	Abca5
1449028_at	4.57	7.34E-05	0.00148	7.26	1.38	Rhou
1419924_at	4.57	7.36E-05	0.00148	6.78	1.44	Fnip1
1434033_at	4.57	7.38E-05	0.00148	6.81	1.29	Tle1
1455047_at	4.57	7.44E-05	0.00149	8.93	0.88	Fbxo3
1427537_at	4.56	7.46E-05	0.00150	6.38	1.60	Eppk1
1460126_at	4.56	7.49E-05	0.00150	5.91	1.36	NA
1450351_a_at	4.56	7.50E-05	0.00150	7.56	1.24	Clip1
1418043_at	4.56	7.57E-05	0.00151	4.52	1.10	Abcc5
1460099_at	4.56	7.59E-05	0.00151	3.59	0.98	Atp9b
1436531_at	4.56	7.63E-05	0.00152	8.76	1.05	Metap2
1438131_at	4.55	7.70E-05	0.00153	8.12	1.37	Fbxw2
1458087_at	4.55	7.71E-05	0.00153	3.48	1.53	Stac3
1418697_at	4.55	7.76E-05	0.00154	12.91	1.07	Inmt
1419312_at	4.55	7.77E-05	0.00154	9.71	5.18	Atp2a1
1451557_at	4.55	7.82E-05	0.00154	3.45	1.03	Tat
1423858_a_at	4.55	7.83E-05	0.00154	10.05	1.31	Hmgcs2
1419145_at	4.55	7.87E-05	0.00155	3.58	1.36	Smtnl1
1436120_at	4.54	7.89E-05	0.00155	6.18	1.39	Setdb2
1427932_s_at	4.54	7.90E-05	0.00155	13.87	0.61	1200016E24Rik
1441315_s_at	4.54	8.00E-05	0.00157	7.21	1.37	Slc19a2
1418755_at	4.54	8.00E-05	0.00157	4.05	1.08	Tbx15
1448079_at	4.54	8.03E-05	0.00157	5.61	1.10	Rnf166
1453413_at	4.53	8.24E-05	0.00160	4.64	0.96	Gnas
1427388_at	4.53	8.29E-05	0.00161	4.21	1.58	Lrrc2
1439042_at	4.53	8.32E-05	0.00161	4.11	1.05	Adcyap1r1
1431043_at	4.52	8.41E-05	0.00163	3.88	1.31	Kbtbd5
1419674_a_at	4.52	8.52E-05	0.00164	10.50	0.91	Dpep1
1429144_at	4.51	8.61E-05	0.00165	9.93	0.97	Prei4
1440536_at	4.51	8.61E-05	0.00165	5.05	1.33	Slc22a5

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1460417_at	4.51	8.64E-05	0.00165	5.23	1.57	AB041803
1448265_x_at	4.51	8.67E-05	0.00165	8.85	1.49	Mpzl2
1449577_x_at	4.51	8.68E-05	0.00165	9.36	3.45	Tpm2
1440123_at	4.51	8.77E-05	0.00167	5.47	1.27	NA
1426731_at	4.51	8.81E-05	0.00167	7.35	1.75	Des
1430646_at	4.50	8.90E-05	0.00168	4.71	1.14	5830407P18Rik
1415994_at	4.50	8.93E-05	0.00169	14.66	0.45	Cyp2e1
1421657_a_at	4.50	8.97E-05	0.00169	4.92	1.39	Sox17
1429410_at	4.50	9.01E-05	0.00169	6.39	1.29	Eny2
1431218_at	4.50	9.01E-05	0.00169	6.79	1.41	Zdhhc20
1419705_at	4.49	9.16E-05	0.00171	10.37	1.01	Car5b
1453840_at	4.48	9.40E-05	0.00175	7.29	1.32	Pabpc1
1446713_at	4.48	9.45E-05	0.00176	5.76	1.28	Tial1
1453447_at	4.48	9.51E-05	0.00177	3.50	0.66	1700109H08Rik
1422743_at	4.47	9.69E-05	0.00179	7.73	1.67	Phka1
1425861_x_at	4.47	9.70E-05	0.00179	3.77	0.87	Cacna2d1
1418066_at	4.467539857	9.82E-05	0.00180	9.99	0.83	Cfl2
1422571_at	4.47	9.87E-05	0.00180	11.43	1.05	Thbs2
1427425_at	4.46	0.00010	0.00183	7.56	1.60	9130208E07Rik
1453374_at	4.45	0.00010	0.00184	3.73	0.77	Zfand5
1436867_at	4.45	0.00010	0.00184	6.93	2.69	Srl
1460241_a_at	4.45	0.00010	0.00184	5.43	1.24	St3gal5
1459434_at	4.45	0.00010	0.00184	4.78	1.17	Pdhx
1421267_a_at	4.45	0.00010	0.00185	7.99	1.05	Cited2
1427026_at	4.45	0.00010	0.00185	9.93	5.44	Myh4
1427038_at	4.45	0.00010	0.00187	9.61	1.05	Penk1
1459392_at	4.45	0.00010	0.00187	4.35	1.07	Phf8
1416236_a_at	4.45	0.00010	0.00187	9.12	1.36	Mpzl2
1447852_x_at	4.44	0.00010	0.00187	9.24	1.19	Rilpl1
1436202_at	4.44	0.00010	0.00187	10.22	1.13	NA
1449547_at	4.44	0.00011	0.00188	4.30	1.76	Asb14
1418412_at	4.44	0.00011	0.00188	4.64	1.06	Tpd52l1
1440511_at	4.44	0.00011	0.00188	7.95	1.16	NA
1446860_at	4.44	0.00011	0.00189	7.97	1.36	Gab2
1453482_at	4.44	0.00011	0.00190	4.04	0.92	Cflar
1445847_at	4.43	0.00011	0.00192	3.64	1.04	NA
1415996_at	4.42	0.00011	0.00195	14.29	0.42	Txnip
1460020_at	4.42	0.00011	0.00196	4.60	1.00	Ankrd11
1418769_at	4.42	0.00011	0.00196	5.82	2.89	Myoz2
1440346_at	4.42	0.00011	0.00196	6.25	1.43	Jmjd3
1459695_at	4.42	0.00011	0.00196	7.05	1.37	NA
1449996_a_at	4.42	0.00011	0.00197	7.75	2.43	Tpm3
1458924_at	4.42	0.00011	0.00197	4.08	1.03	D430013B06Rik
1437877_at	4.41	0.00011	0.00199	5.94	1.37	Ttc14
1440806_x_at	4.41	0.00012	0.00202	6.21	1.38	5730526G10Rik
1456862_at	4.41	0.00012	0.00202	7.47	1.49	Six4
1418250_at	4.40	0.00012	0.00203	7.25	1.17	Arl4d
1430020_x_at	4.40	0.00012	0.00203	9.59	0.84	Hnrnpa1
1457454_at	4.40	0.00012	0.00203	6.22	1.48	D7Ertd602e
1438175_x_at	4.40	0.00012	0.00203	5.98	3.44	Myom2
1438609_x_at	4.40	0.00012	0.00204	10.03	3.67	Tnni2
1435265_at	4.40	0.00012	0.00204	8.61	1.14	NA
1446156_at	4.40	0.00012	0.00204	5.66	1.47	Dmd

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1422643_at	4.40	0.00012	0.00205	3.72	0.80	Moxd1
1440850_at	4.40	0.00012	0.00206	5.39	1.31	Rnf12
1440347_at	4.39	0.00012	0.00206	5.31	1.19	Arhgap10
1454137_s_at	4.39	0.00012	0.00206	4.73	1.75	Hfe2
1423799_at	4.39	0.00012	0.00206	12.29	0.69	Eif1
1444875_at	4.39	0.00012	0.00209	4.17	0.95	Ppp2ca
1425202_a_at	4.39	0.00012	0.00209	3.30	0.91	Ank3
1451080_at	4.38	0.00012	0.00210	9.93	0.79	Usp1
1423062_at	4.38	0.00012	0.00210	11.03	1.04	Igfbp3
1443218_at	4.38	0.00013	0.00214	4.29	1.04	NA
1450511_at	4.38	0.00013	0.00214	3.32	0.68	Musk
1436322_a_at	4.37	0.00013	0.00215	10.24	0.94	2810001A02Rik
1439399_a_at	4.37	0.00013	0.00217	11.02	0.92	Snhg1
1443003_at	4.37	0.00013	0.00218	3.13	0.68	NA
1436431_at	4.36	0.00013	0.00220	4.90	1.08	1700025G04Rik
1450118_a_at	4.36	0.00013	0.00222	9.29	5.19	Tnnt3
1428682_at	4.36	0.00013	0.00222	8.16	1.00	Zc3h6
1434778_at	4.36	0.00013	0.00222	9.93	0.78	Wapal
1454018_at	4.35	0.00014	0.00226	6.51	1.27	Tlk2
1422793_at	4.35	0.00014	0.00227	9.12	0.91	Pafah1b2
1431664_at	4.35	0.00014	0.00227	3.25	0.61	Luc7l
1459713_s_at	4.35	0.00014	0.00228	8.56	1.04	Tmem16a
1438862_at	4.35	0.00014	0.00228	4.60	1.27	A630005I04Rik
1441467_at	4.35	0.00014	0.00228	5.58	1.27	Tspan5
1434758_at	4.35	0.00014	0.00228	8.78	0.96	Crispld2
1433593_at	4.35	0.00014	0.00228	10.77	0.83	Ypel5
1443518_at	4.35	0.00014	0.00228	4.45	1.17	Sgce
1433643_at	4.35	0.00014	0.00228	7.04	1.33	Cacna2d1
1441111_at	4.34	0.00014	0.00230	5.01	2.10	NA
1425022_at	4.34	0.00014	0.00230	8.73	1.15	Usp3
1420487_at	4.34	0.00014	0.00230	7.86	1.01	Nol7
1455078_at	4.34	0.00014	0.00232	9.58	0.80	Hsp90aa1
1416832_at	4.33	0.00014	0.00233	10.71	1.34	Slc39a8
1416612_at	4.33	0.00014	0.00234	8.77	1.07	Cyp1b1
1422996_at	4.33	0.00014	0.00234	5.19	1.19	Acot2
1447094_at	4.33	0.00015	0.00234	4.10	1.06	NA
1437385_at	4.33	0.00015	0.00234	7.98	0.99	Ccbe1
1423851_a_at	4.33	0.00015	0.00235	5.73	1.37	Tmem46
1420551_at	4.32	0.00015	0.00237	5.46	2.10	2310039E09Rik
1442867_at	4.32	0.00015	0.00237	3.96	0.99	NA
1418210_at	4.32	0.00015	0.00238	9.28	0.86	Pfn2
1417653_at	4.32	0.00015	0.00238	8.66	4.80	Pvalb
1444247_at	4.32	0.00015	0.00238	3.25	0.69	C81557
1423470_at	4.32	0.00015	0.00238	9.88	0.89	Ptbp2
1429657_at	4.32	0.00015	0.00239	4.35	1.19	Zfand5
1416467_at	4.31	0.00016	0.00246	10.63	0.81	Ddx3x
1417067_s_at	4.31	0.00016	0.00246	7.21	1.47	Cabc1
1451382_at	4.30	0.00016	0.00247	7.46	1.97	Chac1
1437274_at	4.30	0.00016	0.00247	7.36	1.24	Copa
1444845_at	4.30	0.00016	0.00247	6.25	1.28	Scfd1
1453224_at	4.30	0.00016	0.00247	3.69	0.83	Zfand5
1448553_at	4.30	0.00016	0.00247	6.34	3.36	Myh7
1417066_at	4.30	0.00016	0.00248	8.80	1.29	Cabc1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1437556_at	4.30	0.00016	0.00248	7.57	1.20	Zfhx4
1440163_at	4.30	0.00016	0.00248	5.59	1.18	Ccnk
1451805_at	4.30	0.00016	0.00250	4.31	0.93	Phip
1440463_at	4.29	0.00016	0.00251	4.98	1.34	Ngly1
1432646_a_at	4.29	0.00016	0.00251	7.26	1.63	2900097C17Rik
1421365_at	4.29	0.00016	0.00252	7.64	1.12	Fst
1437429_at	4.29	0.00016	0.00252	4.41	1.01	Adamtsl1
1418155_at	4.29	0.00016	0.00255	8.94	4.49	Myot
1438701_at	4.28	0.00017	0.00256	6.84	1.24	Bicd1
1455725_a_at	4.28	0.00017	0.00256	12.35	0.72	H3f3b
1433674_a_at	4.28	0.00017	0.00257	10.19	0.87	Snord22
1415988_at	4.28	0.00017	0.00257	9.21	1.11	Hdlbp
1418095_at	4.28	0.00017	0.00259	7.80	4.14	Smpx
1436462_at	4.27	0.00017	0.00265	7.49	1.07	LOC626832
1442358_at	4.27	0.00017	0.00265	4.30	1.20	AA409587
1426144_x_at	4.27	0.00017	0.00265	8.89	2.67	Trdn
1422736_at	4.27	0.00017	0.00265	9.72	0.87	Ranbp9
1450231_a_at	4.27	0.00017	0.00265	3.81	0.81	Xiap
1439847_s_at	4.26	0.00018	0.00268	5.15	1.17	Klf12
1416551_at	4.26	0.00018	0.00268	10.43	0.95	Atp2a2
1449027_at	4.26	0.00018	0.00268	8.71	1.19	Rhou
1429385_at	4.26	0.00018	0.00270	3.81	0.78	Wdr68
1443618_at	4.25	0.00018	0.00270	5.50	1.56	Pdzd2
1442414_at	4.25	0.00018	0.00270	3.67	0.97	Rnf103
1448371_at	4.25	0.00018	0.00271	9.83	4.50	Mylpf
1452308_a_at	4.25	0.00018	0.00271	12.13	0.68	Atp1a2
1423436_at	4.25	0.00018	0.00271	11.81	1.07	Gsta3
1459877_x_at	4.25	0.00018	0.00272	7.04	1.32	Rnf185
1416889_at	4.24	0.00019	0.00276	9.67	5.05	Tnni2
1417614_at	4.24	0.00019	0.00276	9.40	4.94	Ckm
1438871_at	4.24	0.00019	0.00277	7.03	1.58	Son
1438739_at	4.24	0.00019	0.00277	8.60	1.12	Cnbp
1430295_at	4.24	0.00019	0.00277	7.19	1.06	Gna13
1451740_at	4.24	0.00019	0.00277	7.66	1.16	Paip1
1446146_at	4.24	0.00019	0.00278	6.55	1.46	Gjc1
1429914_at	4.24	0.00019	0.00279	5.19	1.16	Epc1
1443196_at	4.23	0.00019	0.00279	5.29	1.24	NA
1442191_at	4.23	0.00019	0.00280	4.55	1.22	5033411D12Rik
1457825_x_at	4.23	0.00019	0.00281	11.31	0.81	Tcn2
1417341_a_at	4.23	0.00019	0.00282	10.13	0.85	Ppp1r2
1422087_at	4.23	0.00019	0.00282	3.41	0.74	Mycl1
1417520_at	4.23	0.00019	0.00283	5.58	1.23	Nfe2l3
1426464_at	4.23	0.00019	0.00283	6.51	1.33	Nr1d1
1456156_at	4.23	0.00019	0.00283	7.25	1.29	Lepr
-PyrucarbMur/L09192_M	4.22	0.00020	0.00284	10.33	0.97	Pcx
1460318_at	4.22	0.00020	0.00284	6.89	3.03	Csrp3
1425292_at	4.22	0.00020	0.00284	4.71	1.10	Dtna
1428884_at	4.22	0.00020	0.00285	8.82	0.89	Tmem57
1438675_at	4.22	0.00020	0.00286	7.94	1.19	Sfrs8
1436469_at	4.22	0.00020	0.00286	4.28	1.10	LOC634327
1415893_at	4.22	0.00020	0.00286	7.64	1.54	Sgpl1
1442603_at	4.22	0.00020	0.00286	5.47	1.27	Pbrm1
1446772_at	4.22	0.00020	0.00287	4.82	1.20	Sema5a

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1458371_at	4.21	0.00020	0.00288	4.42	0.89	1110051M20Rik
1438972_x_at	4.21	0.00020	0.00288	7.94	1.54	LOC100042332
1449270_at	4.21	0.00020	0.00288	7.10	1.03	Plxdc2
1424251_a_at	4.21	0.00020	0.00291	12.45	0.74	Hnrpd1
1417951_at	4.21	0.00020	0.00292	9.65	3.07	Eno3
1435280_at	4.21	0.00020	0.00292	9.44	1.03	AI452195
1439215_at	4.20	0.00021	0.00294	6.16	1.27	Atp2c1
1434553_at	4.20	0.00021	0.00295	6.53	1.86	Tmem56
1428071_at	4.20	0.00021	0.00295	9.05	1.07	1110038D17Rik
1415712_at	4.20	0.00021	0.00295	8.66	1.01	Zranb1
1425988_a_at	4.20	0.00021	0.00296	4.47	1.10	Hipk1
1454617_at	4.20	0.00021	0.00300	11.32	0.98	Arrdc3
1438398_at	4.19	0.00021	0.00303	8.14	1.03	Rbm39
1430418_at	4.18	0.00022	0.00307	7.29	1.27	Tmem57
1434722_at	4.18	0.00022	0.00308	5.77	2.75	Ampd1
1419606_a_at	4.18	0.00022	0.00308	6.02	2.89	Tnnt1
1445032_at	4.18	0.00022	0.00308	3.85	0.72	Dapk1
1452207_at	4.18	0.00022	0.00308	10.91	0.80	Cited2
1436993_x_at	4.18	0.00022	0.00309	8.13	0.99	Pfn2
1443517_at	4.18	0.00022	0.00309	4.68	1.18	6030443O07Rik
1418486_at	4.18	0.00022	0.00309	11.42	1.69	Vnn1
1439342_at	4.18	0.00022	0.00310	8.52	1.07	Clpx
1459301_at	4.18	0.00022	0.00310	5.91	1.23	Meis2
1417150_at	4.18	0.00022	0.00310	4.04	1.01	Slc6a4
1421239_at	4.17	0.00022	0.00311	8.51	1.19	Il6st
1417902_at	4.17	0.00022	0.00311	7.55	1.12	Slc19a2
1422788_at	4.17	0.00022	0.00311	10.96	0.83	Slc43a3
1444175_at	4.17	0.00023	0.00312	4.76	1.12	Arfgef1
1441620_at	4.17	0.00023	0.00312	4.85	1.26	NA
1429810_at	4.17	0.00023	0.00313	5.61	1.31	4921505C17Rik
1435658_at	4.17	0.00023	0.00315	11.08	0.94	Slc27a1
1439732_at	4.16	0.00023	0.00318	3.95	0.94	NA
1435137_s_at	4.16	0.00023	0.00318	13.82	0.64	1200016E24Rik
1422795_at	4.15	0.00024	0.00324	5.59	1.09	Cul3
1421103_at	4.15	0.00024	0.00325	7.91	1.39	Bmp2k
1435881_at	4.15	0.00024	0.00326	7.85	1.01	Map3k12
1422553_at	4.15	0.00024	0.00327	12.03	0.69	Pten
1433675_at	4.15	0.00024	0.00327	9.78	0.86	Snord22
1458089_at	4.15	0.00024	0.00328	5.81	1.76	Fkbp5
1448607_at	4.15	0.00024	0.00328	6.92	1.19	Nampt
1415801_at	4.14	0.00024	0.00329	7.42	1.18	Gja1
1437177_at	4.14	0.00024	0.00329	8.47	0.97	Larp4
1446244_at	4.14	0.00025	0.00330	6.02	1.14	Zyg11b
1440431_at	4.14	0.00025	0.00331	6.50	1.19	Meis1
1431166_at	4.14	0.00025	0.00331	5.02	1.18	Chd1
1452496_at	4.14	0.00025	0.00334	6.96	1.09	Atp11c
1425153_at	4.13	0.00025	0.00335	9.12	4.38	Myh2
1422644_at	4.13	0.00025	0.00337	6.67	1.75	Sh3bgr
1426155_a_at	4.13	0.00025	0.00337	4.08	1.08	Osr2
1447839_x_at	4.13	0.00025	0.00337	8.63	1.12	Adm
1460281_at	4.13	0.00025	0.00338	3.07	0.70	Asb15
1422518_at	4.13	0.00026	0.00338	8.38	1.03	Cask
1449348_at	4.13	0.00026	0.00338	9.41	0.84	Mpp6

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1442880_at	4.13	0.00026	0.00339	3.97	0.98	NA
1434203_at	4.12	0.00026	0.00340	4.49	0.90	BC055107
1422025_at	4.12	0.00026	0.00340	5.05	1.29	Mitf
1434362_at	4.12	0.00026	0.00340	6.20	1.25	NA
1434405_at	4.12	0.00026	0.00343	8.68	0.99	Fnip1
1435458_at	4.12	0.00026	0.00343	8.04	1.06	Pim1
1441519_at	4.12	0.00026	0.00343	6.47	1.40	Nid1
1438201_at	4.12	0.00026	0.00345	8.53	0.98	Ppm2c
1459647_at	4.12	0.00026	0.00345	3.93	0.88	Pold3
1429251_at	4.11	0.00027	0.00347	7.58	1.04	Prdm2
1419739_at	4.11	0.00027	0.00349	5.79	2.01	Tpm2
1446340_at	4.11	0.00027	0.00349	3.73	0.80	Ar
1417642_at	4.11	0.00027	0.00350	5.46	1.10	Aldh1a3
1430575_a_at	4.11	0.00027	0.00350	7.96	1.07	Tpp2
1443847_x_at	4.11	0.00027	0.00350	8.35	1.17	Aff2
1447800_x_at	4.11	0.00027	0.00351	11.70	0.74	Tcn2
1444128_at	4.10	0.00027	0.00351	5.77	1.39	Arhgap26
1440490_at	4.10	0.00028	0.00353	5.72	1.20	Mpp6
1436908_at	4.10	0.00028	0.00353	8.82	0.82	Pcm1
1440225_at	4.10	0.00028	0.00357	9.45	0.92	Gpr116
1438075_at	4.10	0.00028	0.00357	6.55	1.32	Fem1c
1444695_at	4.10	0.00028	0.00357	5.68	1.17	NA
1436108_at	4.09	0.00028	0.00357	3.79	0.96	Txndc9
1417607_at	4.09	0.00028	0.00359	7.56	3.32	Cox6a2
1427540_at	4.09	0.00028	0.00359	6.08	1.26	Zwint
1436994_a_at	4.09	0.00028	0.00360	12.91	0.68	Hist1h1c
1430147_a_at	4.09	0.00028	0.00360	8.37	1.05	Josd3
1436964_at	4.09	0.00029	0.00361	6.76	1.18	D7Ertd715e
1454919_at	4.09	0.00029	0.00361	9.56	0.80	NA
1455506_at	4.08	0.00029	0.00368	5.36	1.35	Slc25a34
1428546_at	4.08	0.00029	0.00369	9.91	0.73	Syncrip
1416752_at	4.08	0.00030	0.00372	7.65	3.48	Ldb3
1428373_at	4.07	0.00030	0.00376	6.10	1.24	Ihpk2
1447845_s_at	4.07	0.00030	0.00376	10.27	1.88	Vnn1
1435344_at	4.07	0.00030	0.00377	8.07	0.99	1110029I05Rik
1440854_at	4.07	0.00030	0.00377	6.11	1.40	2810403A07Rik
1418069_at	4.07	0.00030	0.00377	6.66	1.15	Apoc2
1425711_a_at	4.07	0.00030	0.00377	7.52	1.28	Akt1
1456081_a_at	4.06	0.00031	0.00383	7.26	1.22	Aacs
1438719_at	4.06	0.00031	0.00383	8.73	1.04	Map3k2
1449573_at	4.06	0.00031	0.00383	3.92	1.13	Alpk3
1446700_at	4.06	0.00031	0.00383	5.83	1.28	NA
1452707_at	4.06	0.00031	0.00384	4.36	1.92	Klhl30
1419088_at	4.06	0.00031	0.00385	8.03	1.00	Timp3
1421987_at	4.05	0.00031	0.00385	7.69	1.35	Papss2
1439216_at	4.05	0.00031	0.00385	4.32	0.97	BB211804
1459882_at	4.05	0.00031	0.00385	4.79	0.98	Mcm9
1449079_s_at	4.05	0.00031	0.00385	10.06	1.29	St3gal6
1429337_at	4.05	0.00031	0.00385	8.86	0.83	Tmem87b
1448029_at	4.05	0.00032	0.00386	6.95	1.64	Tbx3
1453255_at	4.05	0.00032	0.00387	7.40	1.39	Slc43a1
1439722_at	4.05	0.00032	0.00388	8.69	1.00	NA
1448889_at	4.05	0.00032	0.00389	3.29	0.79	Slc38a4

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1442715_at	4.04	0.00033	0.00396	4.77	1.50	NA
1426142_a_at	4.04	0.00033	0.00397	9.02	2.13	Trdn
1447360_at	4.04	0.00033	0.00399	4.34	0.87	Tsc22d1
1435267_at	4.04	0.00033	0.00399	9.04	0.97	A430108E01Rik
1427893_a_at	4.03	0.00033	0.00402	8.44	1.11	Pmvk
1446150_at	4.03	0.00033	0.00403	3.80	0.80	NA
1419156_at	4.03	0.00034	0.00409	7.22	1.58	Sox4
1455305_x_at	4.02	0.00034	0.00411	10.63	0.71	Hnrnpa1
1442761_at	4.02	0.00034	0.00414	7.03	1.23	Tpd52l2
1453128_at	4.02	0.00034	0.00414	8.84	1.00	Lyve1
1436145_at	4.02	0.00035	0.00414	6.38	1.07	Igf2bp3
1447842_x_at	4.02	0.00035	0.00415	11.14	0.83	Tcn2
1442846_at	4.02	0.00035	0.00415	5.80	1.28	Pbx1
1446921_at	4.02	0.00035	0.00418	6.22	1.21	NA
1422470_at	4.01	0.00035	0.00420	13.67	0.50	Bnip3
1425457_a_at	4.01	0.00036	0.00423	5.55	1.22	Grb10
1457367_at	4.01	0.00036	0.00424	6.75	1.20	Amy2
1442381_at	4.01	0.00036	0.00424	6.00	1.28	Mkln1
1453925_at	4.01	0.00036	0.00425	2.93	0.58	4930429F24Rik
1421184_a_at	4.01	0.00036	0.00426	10.62	0.89	Mettl7a1
1417464_at	4.00	0.00036	0.00426	10.78	4.87	Tnnc2
1445781_at	4.00	0.00036	0.00427	5.49	1.04	Sh3d19
1455610_at	4.00	0.00036	0.00428	6.60	1.45	Dmn
1442529_at	4.00	0.00037	0.00432	3.27	0.72	Ogfrl1
1445571_at	4.00	0.00037	0.00432	5.28	1.05	Tbk1
1451601_a_at	4.00	0.00037	0.00432	7.58	1.10	Spns2
1450703_at	4.00	0.00037	0.00432	3.83	0.81	Slc7a2
1456521_at	4.00	0.00037	0.00432	3.36	1.50	NA
1442168_at	3.99	0.00037	0.00435	4.34	0.90	A230071A22Rik
1428776_at	3.99	0.00037	0.00435	8.21	0.93	Slc10a6
1458203_at	3.99	0.00037	0.00435	4.87	0.99	Spire1
1446626_at	3.99	0.00037	0.00436	4.38	0.83	D16H22S680E
1449350_at	3.99	0.00038	0.00438	8.41	0.97	Osr1
1423796_at	3.99	0.00038	0.00440	8.13	1.04	Sfpq
1447812_x_at	3.98	0.00038	0.00441	4.10	1.04	Flnc
1450368_a_at	3.98	0.00038	0.00441	7.27	1.16	Ppp3r1
1427868_x_at	3.98	0.00038	0.00441	10.26	4.99	Myh1
1433656_a_at	3.98	0.00038	0.00442	10.64	0.69	Gnl3
1457689_at	3.98	0.00039	0.00443	6.80	1.51	Sbf2
1423522_at	3.98	0.00039	0.00443	5.47	0.99	Npm3
1438127_at	3.98	0.00039	0.00443	5.53	1.05	LOC552906
1460455_at	3.98	0.00039	0.00444	10.93	0.76	Zfp650
1423172_at	3.98	0.00039	0.00445	4.35	1.04	Napb
1454646_at	3.98	0.00039	0.00445	10.09	0.72	Tcp11l2
1453059_at	3.98	0.00039	0.00446	4.88	1.61	2310046A06Rik
1455136_at	3.97	0.00039	0.00448	8.78	0.86	Atp1a2
1428444_at	3.97	0.00039	0.00448	6.37	2.03	Asb2
1453344_at	3.97	0.00039	0.00448	4.97	1.09	1810032O08Rik
1444507_at	3.97	0.00039	0.00449	4.44	1.01	Usp53
1454043_a_at	3.96	0.00040	0.00456	4.21	0.84	Kcnab1
1416067_at	3.96	0.00040	0.00456	11.74	0.84	Ifrd1
1430529_at	3.96	0.00040	0.00456	5.03	1.04	Csnk1a1
1456153_at	3.96	0.00040	0.00456	8.19	0.91	Ssh2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1439036_a_at	3.96	0.00041	0.00458	9.43	0.80	Atp1b1
1421078_at	3.96	0.00041	0.00460	5.60	1.22	Tcf23
1445575_at	3.96	0.00041	0.00461	2.91	0.54	Fbxl20
1448383_at	3.95	0.00041	0.00465	10.65	0.67	Mmp14
1455320_at	3.95	0.00042	0.00466	9.46	0.83	NA
1438471_at	3.95	0.00042	0.00467	7.75	1.31	Wtap
1444722_at	3.95	0.00042	0.00470	4.40	1.13	NA
1457047_at	3.95	0.00042	0.00471	4.91	1.10	NA
1418858_at	3.95	0.00042	0.00473	7.03	1.11	Aox3
1419155_a_at	3.95	0.00043	0.00475	6.28	1.29	Sox4
1433681_x_at	3.94	0.00043	0.00475	4.32	1.22	Capn3
1449999_a_at	3.94	0.00043	0.00477	3.62	0.72	Cacna2d1
1448167_at	3.94	0.00043	0.00478	9.89	0.75	Ifngr1
1441531_at	3.94	0.00044	0.00484	5.69	1.09	Plcb4
1430205_a_at	3.94	0.00044	0.00484	6.41	1.13	Cdc3711
1448829_at	3.94	0.00044	0.00484	8.07	0.93	Smc6
1417872_at	3.93	0.00044	0.00487	12.16	0.73	Fhl1
1425701_a_at	3.93	0.00044	0.00489	8.23	1.61	Rgs3
1424007_at	3.93	0.00045	0.00491	9.57	0.81	Gdf10
1438900_at	3.93	0.00045	0.00494	5.97	1.23	Sacm1l
1429863_at	3.92	0.00045	0.00495	4.50	1.17	Lonrf3
1442424_at	3.92	0.00045	0.00497	8.10	1.04	Ctdspl2
1433177_at	3.92	0.00045	0.00497	3.28	0.76	4933427C19Rik
1436893_a_at	3.92	0.00045	0.00498	9.21	0.77	Mar-07
1456855_at	3.92	0.00045	0.00498	4.66	1.11	NA
1457233_at	3.92	0.00046	0.00498	8.44	0.99	Dnaja2
1443962_at	3.92	0.00046	0.00498	6.94	0.99	Tfdp2
1427520_a_at	3.92	0.00046	0.00500	10.21	4.85	Myh1
1423072_at	3.92	0.00046	0.00502	7.17	1.41	NA
1432006_at	3.91	0.00046	0.00506	5.53	1.12	Ap2a2
1437548_at	3.91	0.00047	0.00508	5.67	1.04	Bicd1
1430164_a_at	3.91	0.00047	0.00508	7.01	1.09	Grb10
1434008_at	3.91	0.00048	0.00514	3.94	1.23	Scn4b
1424797_a_at	3.90	0.00048	0.00515	3.89	1.05	Pitx2
1444677_at	3.90	0.00048	0.00515	5.67	1.18	C77673
1423280_at	3.90	0.00048	0.00519	5.04	0.97	Stmn2
1456256_at	3.90	0.00048	0.00521	8.99	0.84	Eif5
1422925_s_at	3.90	0.00049	0.00523	4.45	1.60	Acot3
1438234_at	3.90	0.00049	0.00524	8.36	0.99	Wdr26
1425658_at	3.89	0.00049	0.00526	3.97	0.84	Cd109
1435585_at	3.89	0.00049	0.00526	4.24	1.27	Tceal7
1427358_a_at	3.89	0.00049	0.00526	8.46	0.90	Dapk1
1450006_at	3.89	0.00050	0.00531	10.83	0.82	Ncoa4
1449088_at	3.89	0.00050	0.00534	6.20	1.94	Fbp2
1440488_at	3.89	0.00050	0.00534	4.25	0.94	NA
1450813_a_at	3.89	0.00050	0.00535	5.14	2.51	Tnni1
1439095_at	3.88	0.00050	0.00535	6.27	1.13	Sfrs11
1418872_at	3.88	0.00050	0.00535	10.23	0.87	Abcb1b
1442125_at	3.88	0.00050	0.00535	5.32	1.25	Krit1
1429379_at	3.88	0.00051	0.00535	10.70	0.88	Lyve1
1436092_at	3.88	0.00051	0.00535	3.55	1.19	NA
1448320_at	3.88	0.00051	0.00537	8.02	1.09	Stim1
1420250_at	3.88	0.00051	0.00538	6.24	1.24	NA

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1451203_at	3.88	0.00051	0.00538	8.81	4.17	Mb
1458757_at	3.88	0.00051	0.00540	3.31	0.65	Ptbp2
1418323_at	3.87	0.00052	0.00545	5.51	1.04	Fem1b
1441407_at	3.87	0.00052	0.00545	7.57	1.36	Rod1
1441266_at	3.87	0.00052	0.00549	8.97	0.92	Strn3
1455554_at	3.87	0.00052	0.00549	3.51	0.63	A830039N20Rik
1426231_at	3.87	0.00053	0.00549	8.37	0.93	Vit
1430271_x_at	3.87	0.00053	0.00550	9.07	0.85	Josd3
1439079_a_at	3.87	0.00053	0.00551	7.54	1.00	Erbp2ip
1437039_at	3.87	0.00053	0.00553	9.62	0.70	Cops2
1421989_s_at	3.86	0.00053	0.00554	9.29	0.84	Papss2
1444982_at	3.86	0.00053	0.00554	5.40	1.08	Rhoj
1457358_at	3.86	0.00054	0.00558	5.24	1.00	NA
1442946_at	3.86	0.00054	0.00558	5.81	1.08	Atxn7
1422744_at	3.86	0.00054	0.00562	4.78	1.22	Phka1
1429537_at	3.86	0.00054	0.00563	7.85	1.21	Sfrs18
1447491_at	3.85	0.00055	0.00566	5.14	0.98	Lrrc8d
1453238_s_at	3.85	0.00055	0.00567	13.64	0.63	1200016E24Rik
1421377_at	3.85	0.00055	0.00569	3.42	0.71	Traf6
1447023_at	3.85	0.00056	0.00573	4.17	0.78	NA
1425514_at	3.85	0.00056	0.00575	9.01	0.85	Pik3r1
1433574_at	3.85	0.00056	0.00575	9.14	0.77	Cdc37l1
1429796_at	3.84	0.00056	0.00575	4.46	0.82	Kalrn
1416144_a_at	3.84	0.00056	0.00575	11.80	0.63	Dhx15
1429318_a_at	3.84	0.00057	0.00585	10.67	0.68	Qk
1450956_at	3.84	0.00057	0.00585	3.85	1.15	Scd3
1441947_x_at	3.84	0.00058	0.00589	8.60	0.93	BC033915
1443375_at	3.83	0.00059	0.00596	4.90	0.99	Gnas
1430407_at	3.83	0.00059	0.00597	4.77	1.06	3110035C09Rik
1439316_at	3.83	0.00059	0.00598	7.30	1.03	Rbm39
1416817_at	3.83	0.00059	0.00599	4.13	0.77	Nek7
1444472_at	3.82	0.00060	0.00603	9.81	0.92	Snf1lk2
1446397_at	3.82	0.00060	0.00606	5.05	1.05	Nup98
1453487_at	3.82	0.00060	0.00607	8.40	0.85	Dhdh
1437071_at	3.82	0.00061	0.00615	5.34	1.09	Eif1ay
1445866_at	3.81	0.00061	0.00615	5.64	1.13	Mast4
1444557_at	3.81	0.00061	0.00616	4.30	1.00	Sumo1
1430404_at	3.81	0.00061	0.00616	4.62	1.09	Akap13
1422754_at	3.81	0.00061	0.00616	6.80	1.29	Tmod1
1424074_at	3.81	0.00062	0.00620	6.17	0.99	Btf3l4
1442435_at	3.81	0.00062	0.00620	4.39	0.84	Smg6
1419754_at	3.81	0.00062	0.00625	9.48	0.83	Myo5a
1418523_at	3.80	0.00063	0.00625	5.97	1.04	Arih2
1441115_at	3.80	0.00063	0.00626	8.19	1.89	D18ErtD232e
1425767_a_at	3.80	0.00063	0.00626	4.78	0.94	Six4
1418694_at	3.80	0.00064	0.00636	6.99	1.06	Kcmf1
1436945_x_at	3.80	0.00064	0.00639	6.13	1.22	Stim1
1427735_a_at	3.79	0.00064	0.00639	12.94	1.79	Acta1
1439293_at	3.79	0.00065	0.00640	10.36	0.71	BC031353
1418209_a_at	3.79	0.00065	0.00640	9.74	0.76	Pfn2
1448845_at	3.79	0.00065	0.00640	4.58	0.99	Rpp25
1416721_s_at	3.79	0.00065	0.00641	10.90	0.72	Sfrs6
1427820_at	3.79	0.00065	0.00642	7.91	1.52	NA

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1425464_at	3.79	0.00065	0.00643	8.37	1.08	Gata6
1426395_s_at	3.79	0.00066	0.00647	9.91	0.67	Eif3j
1418370_at	3.78	0.00066	0.00653	7.60	2.62	Tnnc1
1456873_at	3.78	0.00067	0.00654	6.94	1.05	Clic5
1444620_at	3.78	0.00067	0.00658	3.99	0.75	Tcf12
1425001_at	3.78	0.00067	0.00659	6.14	1.02	Rnf146
1442878_at	3.78	0.00067	0.00659	4.41	1.16	Prdx6
1449383_at	3.78	0.00068	0.00659	7.04	2.12	Adssl1
1449640_at	3.78	0.00068	0.00661	3.76	0.72	Tlr7
1428633_at	3.78	0.00068	0.00661	5.50	0.96	Twistnb
1430598_at	3.77	0.00068	0.00662	4.40	0.87	Crem
1447609_at	3.77	0.00068	0.00663	3.62	0.70	5730410E15Rik
1441850_x_at	3.77	0.00069	0.00667	7.86	1.08	Tcn2
1417889_at	3.77	0.00069	0.00670	7.79	2.82	Apobec2
1442834_at	3.77	0.00069	0.00671	5.30	1.03	Ppp4r2
1449901_a_at	3.77	0.00070	0.00672	6.61	1.11	Map3k6
1455351_at	3.77	0.00070	0.00673	6.24	1.03	NA
1443235_at	3.77	0.00070	0.00673	3.95	0.80	Eif2ak4
1423243_at	3.76	0.00070	0.00674	4.24	1.13	Mpp1
1438428_at	3.76	0.00070	0.00675	7.59	1.30	Jph1
1456830_at	3.76	0.00070	0.00675	6.82	1.05	Ppp1r2
1447459_at	3.76	0.00070	0.00675	3.73	0.91	Aatf
1446886_at	3.76	0.00070	0.00676	6.60	1.27	Usp3
1430319_at	3.76	0.00071	0.00676	4.81	1.08	4833411C07Rik
1423615_at	3.76	0.00071	0.00677	8.92	0.81	Zfp364
1441238_at	3.76	0.00071	0.00679	6.94	1.29	Pds5a
1449865_at	3.76	0.00071	0.00681	4.18	0.89	Sema3a
1439800_at	3.76	0.00072	0.00684	6.66	1.04	Clip1
1453028_at	3.75	0.00072	0.00685	8.11	0.93	Pwwp2a
1448325_at	3.75	0.00072	0.00686	6.95	1.17	Myd116
1438516_at	3.75	0.00072	0.00688	6.15	1.02	Rif1
1455546_s_at	3.75	0.00073	0.00689	8.83	0.76	Sf3a2
1439341_at	3.75	0.00073	0.00694	4.96	1.36	AK220484
1442176_at	3.75	0.00073	0.00694	3.60	0.67	Arid5b
1420410_at	3.75	0.00073	0.00695	4.37	1.43	Nr5a2
1435449_at	3.75	0.00074	0.00696	4.39	0.79	Bcl2l11
1429963_at	3.75	0.00074	0.00696	4.37	1.13	Mapk6
1450910_at	3.74	0.00074	0.00698	4.93	1.27	Cap2
1455455_at	3.74	0.00074	0.00702	6.18	1.03	Glt28d2
1444089_at	3.74	0.00075	0.00703	8.83	1.08	Spnb2
1449528_at	3.74	0.00075	0.00703	9.20	0.72	Figf
1443649_at	3.74	0.00075	0.00705	7.04	1.14	Huwe1
1431355_s_at	3.74	0.00075	0.00706	7.76	1.07	Trpm7
1430637_at	3.74	0.00075	0.00706	8.07	1.02	2210016H18Rik
1432827_x_at	3.74	0.00075	0.00707	13.72	0.47	Ubc
1428228_at	3.74	0.00076	0.00710	8.64	0.90	Pgm3
1454802_x_at	3.73	0.00076	0.00711	11.08	0.71	Arih2
1429165_at	3.73	0.00076	0.00713	5.74	1.01	3110001I22Rik
1423043_s_at	3.73	0.00077	0.00716	12.89	0.54	Ddx3x
1436318_at	3.73	0.00077	0.00719	8.71	0.89	Tardbp
1449388_at	3.73	0.00077	0.00719	3.92	1.01	Thbs4
1433192_at	3.73	0.00077	0.00719	5.95	1.38	A430105P17Rik
1436769_at	3.73	0.00078	0.00724	4.55	0.94	Psma1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1442406_at	3.72	0.00078	0.00727	7.02	1.16	9230104K21Rik
1416101_a_at	3.72	0.00078	0.00727	12.19	0.65	Hist1h1c
1457930_at	3.72	0.00078	0.00727	5.67	1.06	Jarid1c
1451257_at	3.72	0.00079	0.00728	3.26	0.66	Acsl6
1434515_at	3.72	0.00079	0.00732	9.05	0.76	Ncoa1
1449732_at	3.72	0.00079	0.00733	7.85	0.91	Zscan21
1432198_at	3.72	0.00080	0.00735	7.68	1.10	A230083H22Rik
1455479_a_at	3.71	0.00080	0.00740	13.09	0.58	Ube2d3
1430585_at	3.71	0.00082	0.00752	8.06	1.02	5930436O19Rik
1422811_at	3.71	0.00082	0.00754	10.42	0.89	Slc27a1
1428010_at	3.70	0.00083	0.00758	5.79	1.06	Timm9
1437941_at	3.70	0.00083	0.00759	3.99	0.90	Phka2
1444951_at	3.70	0.00084	0.00764	4.22	0.80	Dennd1b
1449816_at	3.70	0.00084	0.00767	5.94	0.99	Sult5a1
1428163_at	3.70	0.00084	0.00770	11.79	0.66	Sar1b
1425296_a_at	3.69	0.00085	0.00772	8.42	1.40	Rgs3
1416060_at	3.69	0.00085	0.00772	11.71	0.74	Tbc1d15
1456706_at	3.69	0.00085	0.00774	5.97	1.06	4833441D16Rik
1427638_at	3.69	0.00085	0.00774	6.07	1.13	Zbtb16
1437508_at	3.69	0.00085	0.00774	5.05	1.03	Sp4
1447849_s_at	3.69	0.00086	0.00778	10.55	0.68	Maf
1431936_a_at	3.68	0.00087	0.00786	3.09	0.76	Neu2
1424280_at	3.68	0.00087	0.00787	9.90	0.69	Mospd1
1422404_x_at	3.68	0.00087	0.00787	3.25	0.57	Ifna7
1439238_at	3.68	0.00087	0.00787	3.98	0.89	Unc84b
1450637_a_at	3.68	0.00087	0.00787	11.04	0.65	Aebp1
1435875_at	3.68	0.00087	0.00788	8.15	0.88	Prkab2
1430345_at	3.68	0.00088	0.00789	7.94	1.01	5530402H23Rik
1443002_at	3.68	0.00088	0.00789	5.53	0.96	Zfr
1425906_a_at	3.68	0.00088	0.00789	3.45	0.63	Sema3e
1422598_at	3.68	0.00088	0.00790	6.51	2.60	Casq1
1442625_at	3.68	0.00088	0.00793	5.18	1.02	Fermt2
1421376_at	3.68	0.00089	0.00795	4.03	0.82	Traf6
1416860_s_at	3.68	0.00089	0.00795	9.99	0.75	Ing1
1457035_at	3.68	0.00089	0.00797	10.23	0.75	AI607873
1420888_at	3.68	0.00089	0.00797	7.46	1.04	Bcl2l1
1453189_at	3.67	0.00090	0.00798	4.90	1.00	Ube2i
1434613_at	3.67	0.00090	0.00798	10.70	0.64	1810013L24Rik
1427233_at	3.67	0.00090	0.00799	9.75	0.71	Tshz1
1443673_x_at	3.67	0.00090	0.00800	6.12	1.34	NA
1427539_a_at	3.67	0.00090	0.00801	8.65	0.94	Zwint
1418090_at	3.67	0.00091	0.00805	8.68	1.13	Plvap
1448200_at	3.67	0.00091	0.00810	10.94	0.76	Tcn2
1430498_at	3.67	0.00092	0.00812	4.71	0.89	9130009I01Rik
1446149_at	3.66	0.00092	0.00815	4.49	0.95	Ppp3cb
1438515_at	3.66	0.00092	0.00815	6.64	1.21	Zfp207
1420940_x_at	3.66	0.00093	0.00824	8.25	0.99	Rgs5
1449525_at	3.66	0.00094	0.00826	5.49	1.16	Fmo3
1437543_at	3.65	0.00095	0.00834	6.93	1.22	Fubp1
1440253_at	3.65	0.00095	0.00836	10.44	0.67	Psm11
1426117_a_at	3.65	0.00095	0.00836	3.55	0.68	Slc19a2
1456790_at	3.65	0.00095	0.00836	8.62	1.01	Zfp800
1457632_s_at	3.65	0.00095	0.00836	9.51	0.81	Meis2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1438714_at	3.65	0.00096	0.00839	10.75	0.85	Zfp207
1441799_at	3.65	0.00096	0.00841	7.05	1.56	6030422H21Rik
1433913_at	3.65	0.00096	0.00841	8.81	0.77	C80913
1459361_at	3.65	0.00096	0.00842	4.74	0.97	NA
1431281_at	3.65	0.00097	0.00844	4.11	1.24	Dysfip1
1447793_x_at	3.64	0.00097	0.00846	3.74	0.71	Rbx1
1429806_at	3.64	0.00098	0.00850	4.83	0.98	Eral1
1438039_at	3.64	0.00098	0.00852	7.12	1.13	Hectd1
1430369_at	3.64	0.00098	0.00852	3.84	0.72	Epb4.1
1450198_at	3.64	0.00098	0.00852	3.97	0.95	Dusp13
1419381_at	3.64	0.00098	0.00852	6.79	0.97	Terf2ip
1455430_at	3.64	0.00098	0.00853	8.01	0.88	Prr8
1456199_x_at	3.64	0.00098	0.00853	11.20	0.74	Ranbp9
1423006_at	3.64	0.00098	0.00853	3.58	0.62	Pim1
1429639_at	3.64	0.00099	0.00853	7.62	1.21	Prei4
1429545_at	3.64	0.00099	0.00855	4.44	0.99	Ube2i
1432643_at	3.64	0.00099	0.00856	4.08	0.78	4933411E06Rik
1422403_at	3.64	0.00099	0.00856	3.59	0.84	Ifna7
1460633_at	3.64	0.00100	0.00857	8.42	0.78	Prpf19
1442126_at	3.63	0.00100	0.00859	5.30	1.00	5830417C01Rik
1423353_at	3.63	0.00100	0.00859	3.47	0.57	Crispld1
1454880_s_at	3.63	0.00100	0.00861	7.71	0.87	Bmf
1426837_at	3.63	0.00100	0.00862	6.59	1.16	Metap1
1448076_at	3.63	0.00100	0.00862	4.27	0.81	Ctr9
1440491_at	3.63	0.00100	0.00862	7.20	1.28	Slc1a3
1427150_at	3.63	0.00101	0.00866	8.11	0.82	Mll3
1451361_a_at	3.63	0.00102	0.00873	8.81	1.10	Pnpla7
1457682_at	3.62	0.00103	0.00877	4.71	0.80	9030420J04Rik
1432356_at	3.62	0.00103	0.00880	4.83	1.02	1700056N10Rik
1443905_at	3.62	0.00103	0.00880	4.43	0.96	Sfrs8
1450449_a_at	3.62	0.00103	0.00882	8.34	1.01	Rilpl1
1441765_at	3.62	0.00104	0.00882	6.06	1.09	NA
1440935_at	3.62	0.00104	0.00887	5.70	1.04	Grb10
1429093_at	3.62	0.00104	0.00887	6.68	1.04	Ddi2
1448382_at	3.62	0.00105	0.00891	10.42	1.24	Ehhadh
1437001_at	3.61	0.00105	0.00892	7.64	1.02	Gsk3b
1430746_at	3.61	0.00106	0.00898	3.72	0.57	1110050P16Rik
1449997_at	3.61	0.00106	0.00898	7.41	1.89	Tpm3
1430942_at	3.61	0.00106	0.00899	4.81	1.00	8430437O03Rik
1460547_a_at	3.61	0.00106	0.00899	13.73	0.42	Hnrpk
1439200_x_at	3.61	0.00106	0.00899	9.73	0.89	Erdr1
1421721_a_at	3.61	0.00107	0.00900	4.55	0.87	Arnt
1426194_x_at	3.61	0.00107	0.00901	3.39	0.59	Rev3l
1423396_at	3.61	0.00107	0.00901	10.58	0.86	Agt
1455089_at	3.61	0.00107	0.00901	9.96	0.75	Gng12
1448239_at	3.61	0.00107	0.00901	7.98	1.27	Hmox1
1459341_at	3.61	0.00107	0.00901	3.64	0.77	8030448K23Rik
1447706_at	3.61	0.00107	0.00902	8.49	1.15	NA
1440322_at	3.61	0.00107	0.00902	3.02	0.54	Cugbp2
1425685_at	3.60	0.00108	0.00905	4.05	0.69	2310005E10Rik
1450790_at	3.60	0.00109	0.00915	3.64	0.74	Tg
1449102_at	3.60	0.00110	0.00918	8.63	0.79	Ebf2
1419376_at	3.60	0.00110	0.00921	5.66	0.99	1110018M03Rik

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1447870_x_at	3.60	0.00111	0.00922	4.78	1.29	1110002E22Rik
1440020_at	3.60	0.00111	0.00922	7.34	1.05	Rlf
1421921_at	3.60	0.00111	0.00922	5.85	1.82	Serpina3m
1437479_x_at	3.59	0.00111	0.00923	6.85	1.24	Tbx3
1444045_at	3.59	0.00111	0.00923	6.09	1.19	NA
1428653_x_at	3.59	0.00111	0.00923	4.58	0.99	Elavl1
1436766_at	3.59	0.00111	0.00923	12.27	0.66	Luc7l2
1437244_at	3.59	0.00111	0.00923	4.70	0.99	Gas2l3
1425964_x_at	3.59	0.00111	0.00923	10.97	0.75	Hspb1
1441567_at	3.59	0.00113	0.00935	4.66	0.86	Myo9a
1448780_at	3.59	0.00113	0.00935	5.52	0.92	Slc12a2
1432011_at	3.58	0.00115	0.00950	5.80	1.08	2900052L18Rik
1453583_at	3.58	0.00116	0.00952	5.53	0.97	Zzef1
1458233_at	3.58	0.00116	0.00952	4.63	0.84	Fryl
1449668_s_at	3.58	0.00116	0.00955	10.41	0.67	Fnip1
1425480_at	3.58	0.00117	0.00956	7.67	1.02	Cnot6l
1435800_a_at	3.58	0.00117	0.00958	13.54	0.51	Csda
1441573_at	3.57	0.00117	0.00958	4.46	0.96	Scmh1
1439314_at	3.57	0.00117	0.00959	7.65	1.20	Clock
1429784_at	3.57	0.00117	0.00960	8.22	0.92	Mapk1ip1l
1427278_at	3.57	0.00118	0.00963	4.54	0.92	Clip4
1455794_at	3.57	0.00119	0.00967	5.47	1.59	Smtnl2
1445534_at	3.57	0.00119	0.00968	5.88	1.14	Flnb
1437878_s_at	3.57	0.00119	0.00972	9.54	0.88	Ttc14
1416613_at	3.57	0.00120	0.00972	7.88	1.02	Cyp1b1
1431789_s_at	3.57	0.00120	0.00974	9.72	0.75	Tmed5
1438089_a_at	3.57	0.00120	0.00975	9.78	0.77	Bclaf1
1434424_at	3.56	0.00121	0.00976	9.78	0.80	Flvcr1
1443500_at	3.56	0.00121	0.00978	5.92	0.96	Mllt10
1450876_at	3.56	0.00122	0.00983	12.61	0.60	Cfh
1442019_at	3.56	0.00122	0.00985	5.35	0.96	Rcvrn
1426288_at	3.56	0.00122	0.00987	4.71	0.87	Lrp4
1423192_at	3.56	0.00123	0.00989	8.49	0.86	Pspc1
1454404_at	3.56	0.00123	0.00989	3.70	0.66	2610011E03Rik
1429749_at	3.56	0.00123	0.00990	7.21	0.91	9330180L21Rik
1429776_a_at	3.56	0.00123	0.00990	8.79	0.81	Dnajb6
1428976_at	3.56	0.00123	0.00990	7.98	1.05	Tmpo
1453591_at	3.56	0.00123	0.00990	4.49	0.99	5730437N04Rik
1428731_at	3.55	0.00124	0.00994	6.41	1.12	Usp54
1457249_at	3.55	0.00125	0.00998	6.84	1.07	Ubap2l
1438781_at	3.55	0.00125	0.00998	7.88	0.92	Tet2
1442671_at	3.55	0.00125	0.00998	4.49	0.87	Ube2k
1451506_at	3.55	0.00125	0.01000	7.20	0.99	Mef2c
1444783_at	3.55	0.00125	0.01000	3.36	0.54	Abi2

Table S4a. Footnote

Gene lists were generated using the Cyber-T method, with only genes with a *q*-value < 0.01 presented.

Probe¹	t²	p-value	q-value	Mean³	FC⁴	Symbol
--------------------------	----------------------	----------------	----------------	-------------------------	-----------------------	---------------

¹ *Probe* represents the Affymetrix probe set identifier.

² *t* represents the t-statistic output from the Cyber-T method.

³ *Mean* represents the mean expression signal after normalization.

⁴ *FC* represents the log₂ fold change in normalized signals.

Table S4b. Genes downregulated in white adipose tissue of *S6K^{-/-}* mice compared to wild type mice.

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1460705_at	-13.05	3.92E-14	3.08E-10	8.1	3.51	Rps6kb1
1422141_s_at	-9.45	1.21E-10	2.38E-07	8.46	2.47	Csprs
1418713_at	-9.16	2.47E-10	4.32E-07	6.26	3	Pcbd1
1424338_at	-8.96	4.17E-10	5.96E-07	5.71	2.83	Slc6a13
AFFX-MURINE_b1_at	-8.36	1.93E-09	2.33E-06	14.17	0.98	NA
1434130_at	-8.13	3.53E-09	3.44E-06	8.37	3.06	Lhfp12
1456812_at	-8.08	4.00E-09	3.44E-06	9.04	2.26	Abcd2
1434129_s_at	-7.87	6.97E-09	4.56E-06	9.15	2.55	Lhfp12
1435792_at	-7.7	1.10E-08	6.41E-06	10.3	1.89	Csprs
1418547_at	-7.56	1.62E-08	8.08E-06	6.04	2.32	Tfpi2
1436590_at	-7.43	2.29E-08	9.23E-06	7.13	2.3	Ppp1r3b
1422140_at	-7.22	4.08E-08	1.39E-05	8.17	2.01	Csprs
1424440_at	-7.2	4.25E-08	1.39E-05	10.89	1.76	Mrps6
1451655_at	-7.2	4.26E-08	1.39E-05	6.93	2.08	Slfn8
1441096_at	-7.18	4.47E-08	1.42E-05	10.23	1.48	Tusc5
1436260_at	-7.18	4.51E-08	1.42E-05	6.63	2.65	NA
1426936_at	-7.16	4.79E-08	1.45E-05	7.38	2.45	LOC215866
1428468_at	-7.06	6.23E-08	1.69E-05	10.73	1.36	3110043021Rik
1443698_at	-7.05	6.44E-08	1.72E-05	7.89	2.65	Xaf1
1460416_s_at	-6.92	9.17E-08	2.12E-05	7.22	2.37	Csprs
1447585_s_at	-6.86	1.08E-07	2.36E-05	11.7	1.5	Slc5a3
1454956_at	-6.84	1.15E-07	2.42E-05	7.75	1.77	Rps6kb1
1452319_at	-6.84	1.17E-07	2.42E-05	4.16	1.55	Zfp82
1440884_s_at	-6.78	1.38E-07	2.68E-05	10	1.52	A530047J11Rik
1436473_at	-6.74	1.51E-07	2.76E-05	3.95	1.42	Zfp248
1449419_at	-6.68	1.78E-07	2.97E-05	9.36	1.74	Dock8
1422678_at	-6.57	2.44E-07	3.79E-05	9.73	2.75	Dgat2
1423488_at	-6.56	2.49E-07	3.83E-05	13.47	1.24	Mmd
1451888_a_at	-6.51	2.93E-07	4.16E-05	6.11	2.83	Odz4
1452646_at	-6.46	3.35E-07	4.57E-05	11.09	1.5	Trp53inp2
1441727_s_at	-6.43	3.64E-07	4.81E-05	7.67	1.62	Zfp467
1451099_at	-6.38	4.14E-07	5.33E-05	9.88	1.58	Mbc2
1416968_a_at	-6.34	4.66E-07	5.85E-05	9.47	1.33	Hsd3b7
1438980_x_at	-6.33	4.84E-07	5.97E-05	5.86	2.29	Pm20d1
1418652_at	-6.33	4.86E-07	5.97E-05	9.95	1.59	Cxcl9
1422677_at	-6.31	5.12E-07	6.14E-05	9.19	2.45	Dgat2
1423489_at	-6.26	5.91E-07	6.68E-05	13.67	1.08	Mmd
1424130_a_at	-6.23	6.40E-07	7.18E-05	12.76	1	Ptrf
1454171_x_at	-6.22	6.55E-07	7.24E-05	6.16	1.73	9530053H05Rik
1436294_at	-6.22	6.61E-07	7.27E-05	8.24	1.56	Ankrd29
1429571_a_at	-6.13	8.50E-07	8.85E-05	6.46	2.16	Spaca1
1448755_at	-6.12	8.74E-07	8.91E-05	6.87	3.07	Col15a1
1428001_at	-6.12	8.81E-07	8.93E-05	5.69	2.08	Tshr
1438756_at	-6.1	9.21E-07	9.16E-05	7.34	1.98	Ankrd29
1436047_at	-6.07	9.96E-07	9.66E-05	6.94	1.72	Gm672
1429006_s_at	-6.06	1.02E-06	9.71E-05	4.31	1.41	2610110G12Rik
1425216_at	-6.05	1.06E-06	9.85E-05	6.92	2.73	Ffar2
1458045_at	-6	1.23E-06	0.00011	6.08	1.96	Odz4
1419721_at	-5.98	1.29E-06	0.00011	4.47	1.71	Gpr109a
1416930_at	-5.98	1.31E-06	0.00011	5.71	2.28	Ly6d
1418197_at	-5.96	1.37E-06	0.00012	9.55	2.98	Ucp1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1425215_at	-5.96	1.37E-06	0.00012	8.12	1.89	Ffar2
1437234_x_at	-5.95	1.43E-06	0.00012	8.4	1.2	Prmt2
1418472_at	-5.92	1.54E-06	0.00012	8.16	1.61	Aspa
1452834_at	-5.91	1.56E-06	0.00012	5.96	1.81	2600010E01Rik
1457354_at	-5.89	1.66E-06	0.00013	4.22	1.44	Krt222
1435184_at	-5.88	1.73E-06	0.00013	12.17	2.19	Npr3
1436199_at	-5.88	1.75E-06	0.00013	7.69	1.85	Trim14
1418497_at	-5.87	1.79E-06	0.00014	10.79	2.03	Fgf13
1428004_at	-5.87	1.79E-06	0.00014	5.68	1.67	3300001G02Rik
1425228_a_at	-5.84	1.95E-06	0.00014	8.48	1.32	Dguok
<-18SRNAMur/X00686_l	-5.83	1.99E-06	0.00015	13.23	3.25	NA
1423294_at	-5.8	2.19E-06	0.00015	10.43	3.88	Met
1453262_at	-5.75	2.48E-06	0.00017	3.74	1.13	2810032G03Rik
1448024_at	-5.75	2.52E-06	0.00017	11.19	2.13	Npr3
1445565_at	-5.74	2.57E-06	0.00017	5.91	1.7	Hist1h1e
1422948_s_at	-5.71	2.83E-06	0.00019	9.03	1.44	Hist1h3a
1416111_at	-5.67	3.12E-06	0.0002	8.03	1.32	Cd83
1450843_a_at	-5.67	3.19E-06	0.0002	10.99	1.17	Serpinh1
1434530_at	-5.66	3.27E-06	0.0002	7.46	3.21	Odz4
1459850_x_at	-5.63	3.48E-06	0.00021	5.16	2.1	Glr
1452312_at	-5.63	3.50E-06	0.00021	6.12	1.37	2810002D19Rik
1454714_x_at	-5.58	4.12E-06	0.00024	11.23	1.35	Phgdh
1450997_at	-5.56	4.34E-06	0.00025	9.88	1.2	Stk17b
1443219_at	-5.54	4.55E-06	0.00026	9.35	1.35	NA
1417070_at	-5.53	4.65E-06	0.00027	10.24	1.66	Cyp4v3
1419669_at	-5.53	4.72E-06	0.00027	5.14	1.49	Prtn3
1418498_at	-5.53	4.73E-06	0.00027	6.36	2.69	Fgf13
1435905_at	-5.52	4.83E-06	0.00027	4.03	1.04	D3Ert300e
1438448_at	-5.5	5.14E-06	0.00028	5.77	2.35	Otop1
1450286_at	-5.5	5.15E-06	0.00028	9.17	2.45	Npr3
1449396_at	-5.5	5.16E-06	0.00028	13.13	0.87	Aoc3
1428052_a_at	-5.49	5.27E-06	0.00028	4.64	1.32	Zmym1
1439069_a_at	-5.48	5.40E-06	0.00028	9.43	1.13	4933439C20Rik
1433696_at	-5.48	5.41E-06	0.00028	9.6	1.45	Hn1l
1452830_s_at	-5.48	5.43E-06	0.00028	6.2	1.5	Cad
1430584_s_at	-5.46	5.71E-06	0.00029	11.37	1.78	Car3
1456733_x_at	-5.46	5.75E-06	0.00029	10.47	1.28	Serpinh1
1456045_at	-5.46	5.79E-06	0.0003	5.19	1.41	1700106N22Rik
1449534_at	-5.45	5.99E-06	0.0003	10.84	1.32	Sycp3
1435238_x_at	-5.43	6.34E-06	0.00032	7.52	1.6	2310009A05Rik
1452583_s_at	-5.42	6.51E-06	0.00032	9.19	1.29	Galm
1436594_at	-5.4	6.74E-06	0.00033	6.01	1.49	Zfp719
1420444_at	-5.4	6.79E-06	0.00033	9.54	1.37	Slc22a3
1438431_at	-5.4	6.84E-06	0.00033	12.25	1.06	Abcd2
1435645_at	-5.4	6.91E-06	0.00033	10.66	1.11	Mmd
1428897_at	-5.39	7.10E-06	0.00034	7.31	1.91	2610029I01Rik
1456471_x_at	-5.38	7.27E-06	0.00034	10.24	1.35	Phgdh
1435700_at	-5.34	8.11E-06	0.00037	5.78	1.77	Tln2
1452243_at	-5.34	8.11E-06	0.00037	3.71	1.14	Kcnj14
1426606_at	-5.33	8.29E-06	0.00038	5.49	1.95	Crtac1
1455792_x_at	-5.33	8.39E-06	0.00038	10.63	1.19	Ndn
1416844_at	-5.32	8.49E-06	0.00038	6.92	1.42	Prmt2
1415818_at	-5.31	8.80E-06	0.00039	10.73	1.26	Anxa6

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1457266_at	-5.31	8.87E-06	0.0004	8.18	1.4	NA
1417877_at	-5.31	8.89E-06	0.0004	9.17	1.94	Eepd1
1441206_at	-5.3	9.10E-06	0.0004	9.83	2.64	Synpo2
1419748_at	-5.3	9.11E-06	0.0004	11.44	1.08	Abcd2
1436172_at	-5.29	9.25E-06	0.0004	9	1.11	Samd9l
1454604_s_at	-5.28	9.70E-06	0.00042	10.88	1.13	Tspan12
1435939_s_at	-5.28	9.71E-06	0.00042	4.63	2.07	AI987662
1429135_at	-5.27	9.83E-06	0.00042	8.48	2.25	1110059M19Rik
1415936_at	-5.27	9.85E-06	0.00042	9.24	1.17	Bcar3
1448321_at	-5.27	9.91E-06	0.00042	11.08	1.1	Smoc1
1436530_at	-5.27	1.00E-05	0.00043	9.58	1.16	OTTMUSG00000000971
1422838_at	-5.25	1.05E-05	0.00044	3.76	0.86	Kcnu1
1416321_s_at	-5.25	1.05E-05	0.00044	11.77	1.57	Prep
1416529_at	-5.23	1.11E-05	0.00047	11.96	1.2	Emp1
1418490_at	-5.23	1.12E-05	0.00047	3.88	1.1	Sdsl
1436702_at	-5.2	1.19E-05	0.00049	7.26	1.93	Nat8l
1452203_at	-5.2	1.21E-05	0.00049	9.69	1.34	Obfc2a
1419239_at	-5.2	1.21E-05	0.00049	5.68	1.56	Zfp54
1437672_at	-5.2	1.21E-05	0.00049	8.33	1.15	Irs3
1426658_x_at	-5.2	1.22E-05	0.00049	9	1.53	Phgdh
1418480_at	-5.19	1.23E-05	0.0005	4.36	1.34	Ppbb
1455993_at	-5.19	1.24E-05	0.0005	6.02	2.92	Odz4
1435326_at	-5.18	1.28E-05	0.00051	10.99	1.57	AW112037
1448501_at	-5.18	1.29E-05	0.00051	8.49	1.54	Tspan6
1455025_at	-5.18	1.29E-05	0.00051	6.93	2.34	Paqr9
1424226_at	-5.17	1.34E-05	0.00052	7.46	1.39	9030617003Rik
1452936_at	-5.15	1.39E-05	0.00054	3.38	1.03	Crtac1
1417071_s_at	-5.15	1.40E-05	0.00054	11	1.37	Cyp4v3
1440227_at	-5.14	1.42E-05	0.00054	8.69	1.67	Slc5a3
1424131_at	-5.14	1.44E-05	0.00055	9.64	1.39	Col6a3
1423771_at	-5.13	1.47E-05	0.00056	9.55	1.58	Prkcdbp
1444786_at	-5.13	1.48E-05	0.00056	4.71	1.29	Nol3
1426947_x_at	-5.13	1.48E-05	0.00056	8.65	2.16	Col6a2
1449002_at	-5.13	1.49E-05	0.00056	9.55	1.19	Phlda3
1419091_a_at	-5.11	1.55E-05	0.00057	12.67	1.13	Anxa2
1454847_at	-5.11	1.55E-05	0.00057	6.39	1.75	Lhfp12
1424319_at	-5.11	1.57E-05	0.00057	6.17	1.34	Oraov1
1423911_at	-5.1	1.60E-05	0.00058	11.8	1.07	Ppp2r5a
1454900_s_at	-5.1	1.61E-05	0.00058	12.5	0.99	Mycbp2
1442917_at	-5.09	1.64E-05	0.00059	4.17	1.16	LOC100040792
1426530_a_at	-5.09	1.65E-05	0.00059	10.6	0.98	Klhl5
1418261_at	-5.09	1.66E-05	0.00059	7.95	1.58	Syk
1436943_at	-5.08	1.69E-05	0.00059	5.16	1.29	Cyb5d2
1425927_a_at	-5.08	1.69E-05	0.00059	8.52	1.1	Atf5
1425837_a_at	-5.08	1.72E-05	0.0006	9.37	1.03	Ccrn4l
1455642_a_at	-5.08	1.72E-05	0.0006	9.18	1.52	Tspan17
1434051_s_at	-5.07	1.74E-05	0.0006	7.59	1.86	Hspa12a
1458820_at	-5.07	1.75E-05	0.00061	3.89	0.97	Zfp560
1455436_at	-5.07	1.76E-05	0.00061	5.07	2.38	Diras2
1437621_x_at	-5.07	1.77E-05	0.00061	11.03	1.31	Phgdh
1422155_at	-5.06	1.82E-05	0.00062	6.24	1.63	Hist2h3c2
1421999_at	-5.05	1.85E-05	0.00063	9.46	1.5	Tshr
1451679_at	-5.05	1.86E-05	0.00063	8.87	1.62	6530401D17Rik

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1451362_at	-5.05	1.88E-05	0.00064	8.38	1.24	Rab7i1
1449349_at	-5.04	1.92E-05	0.00065	4.69	1.35	Nudt1
1416407_at	-5	2.16E-05	0.00071	10.06	0.95	Pea15a
1424996_at	-5	2.16E-05	0.00071	8.76	1.07	Cflar
1427919_at	-4.99	2.20E-05	0.00072	7.75	2.09	Srpx2
1457397_at	-4.99	2.20E-05	0.00072	4.81	1.61	Klf14
1436075_at	-4.98	2.26E-05	0.00073	9.12	2.23	Sfrp5
1421129_a_at	-4.98	2.27E-05	0.00073	8.32	1.3	Atp2a3
1440849_at	-4.98	2.27E-05	0.00073	7.59	1.65	6330417G04Rik
1439148_a_at	-4.98	2.30E-05	0.00073	8.95	1.12	Pfkl
1415923_at	-4.97	2.31E-05	0.00073	10.23	1.08	Ndn
1434520_at	-4.97	2.31E-05	0.00073	7.9	1.62	Sc5d
1448682_at	-4.97	2.33E-05	0.00073	11.21	0.87	Dynll1
1443906_at	-4.97	2.36E-05	0.00074	9.32	1	Cd55
1435382_at	-4.96	2.39E-05	0.00075	11.24	1.05	Ndn
1419703_at	-4.95	2.49E-05	0.00077	8.89	1.53	Col5a3
1456126_at	-4.94	2.57E-05	0.00078	8.74	1.11	Malt1
1448280_at	-4.94	2.58E-05	0.00078	5.14	1.74	Syp
1418537_at	-4.94	2.58E-05	0.00078	5.67	1.44	Isoc2b
1456319_at	-4.93	2.61E-05	0.00079	5.29	1.99	EG665081
1422630_at	-4.93	2.63E-05	0.00079	7.35	1.64	Rad50
1460173_at	-4.93	2.64E-05	0.00079	10.46	0.98	Lasp1
1418172_at	-4.93	2.65E-05	0.00079	10.68	0.92	Hebp1
1445268_at	-4.92	2.67E-05	0.00079	7.47	2.86	NA
1452250_a_at	-4.92	2.72E-05	0.0008	10.86	1.4	Col6a2
1425567_a_at	-4.91	2.75E-05	0.00081	12.82	0.81	Anxa5
1426614_at	-4.91	2.79E-05	0.00082	9.1	0.97	Prkcbp1
1435353_a_at	-4.91	2.82E-05	0.00082	8.32	1.27	Sfi1
1416992_at	-4.9	2.83E-05	0.00082	6.31	2.1	Mfng
1454075_s_at	-4.9	2.83E-05	0.00082	7.42	1.25	Nudt13
1417688_at	-4.9	2.83E-05	0.00082	6.55	1.3	BC004044
1429111_at	-4.9	2.87E-05	0.00083	9.06	1.37	Tln2
1435264_at	-4.89	2.94E-05	0.00084	10.12	1.1	Emilin2
1447544_at	-4.89	2.96E-05	0.00085	5.82	1.25	Mmp28
1440330_at	-4.89	2.96E-05	0.00085	4.15	1.3	Hist1h1e
1452770_at	-4.88	3.04E-05	0.00086	10.66	0.89	Vkorc1
1440888_at	-4.88	3.04E-05	0.00086	8.58	1.69	Oxtr
1427042_at	-4.88	3.05E-05	0.00086	6.15	1.4	Mal2
1425266_a_at	-4.88	3.05E-05	0.00086	8.5	1.03	Rap1gds1
1435484_at	-4.88	3.06E-05	0.00086	11.97	1.4	Slc5a3
1439265_at	-4.88	3.07E-05	0.00086	4.14	1.14	Xkr6
1448891_at	-4.87	3.12E-05	0.00087	7.28	2	Fcrls
1435660_at	-4.86	3.23E-05	0.00089	5.52	1.57	A530032D15Rik
1456264_at	-4.86	3.24E-05	0.00089	4.75	1.13	Commd7
1450779_at	-4.85	3.27E-05	0.0009	3.33	0.96	Fabp7
1428177_at	-4.82	3.56E-05	0.00096	10.07	0.98	Trappc6b
1425826_a_at	-4.82	3.57E-05	0.00096	11.75	0.86	Sorbs1
1426002_a_at	-4.82	3.57E-05	0.00096	3.76	0.86	Cdc7
1451290_at	-4.82	3.58E-05	0.00096	9.84	0.93	Map1lc3a
1429246_a_at	-4.82	3.64E-05	0.00097	10.57	1.13	Anxa6
1437449_at	-4.81	3.66E-05	0.00097	4.78	1.29	Rsad1
1435426_s_at	-4.81	3.72E-05	0.00099	5.48	1.47	Pisd
1433443_a_at	-4.81	3.73E-05	0.00099	11.6	0.85	Hmgcs1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1448569_at	-4.8	3.79E-05	0.001	8.4	1.29	2410014A08Rik
1423506_a_at	-4.8	3.84E-05	0.001	10.93	1.79	Nnat
1455439_a_at	-4.8	3.85E-05	0.001	14.34	0.57	Lgals1
1419515_at	-4.8	3.86E-05	0.001	4.15	1.32	Fgd2
1428382_at	-4.79	3.95E-05	0.00102	8.93	1.03	Smarcc2
1435237_at	-4.78	4.06E-05	0.00104	7.69	1.39	2310009A05Rik
1458412_at	-4.76	4.21E-05	0.00107	3.81	0.9	Zfp78
1434500_at	-4.76	4.31E-05	0.00109	8.6	1.04	Ttyh2
1420631_a_at	-4.75	4.34E-05	0.00109	9.72	0.98	Bicap
1428447_at	-4.75	4.35E-05	0.00109	7.99	1.25	Tmem14a
1423045_at	-4.75	4.35E-05	0.00109	8.76	1.03	Ncbp2
1418262_at	-4.75	4.37E-05	0.00109	7.49	1.36	Syk
1419422_at	-4.75	4.44E-05	0.0011	3.87	1.05	Pkd2l2
1425145_at	-4.74	4.52E-05	0.00112	7.04	1.37	Il1rl1
1436030_at	-4.74	4.52E-05	0.00112	10.17	1.12	Cachd1
1428541_at	-4.74	4.57E-05	0.00113	6.97	1.68	3321401G04Rik
1450391_a_at	-4.73	4.67E-05	0.00114	12.36	0.94	Mgll
1445882_at	-4.73	4.68E-05	0.00114	6.48	1.48	Cd300lb
1424815_at	-4.72	4.79E-05	0.00116	4.81	1.48	Gys2
1424308_at	-4.71	4.87E-05	0.00117	10.16	0.97	Slc24a3
1429909_at	-4.71	4.87E-05	0.00117	5.49	1.44	2600010E01Rik
1443921_at	-4.7	5.10E-05	0.00121	4.91	1.55	Ranbp3l
1453588_at	-4.7	5.12E-05	0.00121	11.04	1.5	Car3
1424316_at	-4.7	5.12E-05	0.00121	6.32	1.75	Slc25a19
1435383_x_at	-4.69	5.22E-05	0.00123	11.45	0.98	Ndn
1427410_at	-4.68	5.29E-05	0.00124	7.73	1.23	Dleu2
1428596_at	-4.68	5.33E-05	0.00124	9.15	1.13	Tbc1d9b
1417235_at	-4.68	5.40E-05	0.00126	9.3	1.61	Ehd3
1457799_at	-4.67	5.44E-05	0.00126	5.85	1.62	Kcns3
1417985_at	-4.67	5.55E-05	0.00128	6.08	1.55	Nrarp
1455664_at	-4.66	5.60E-05	0.00128	5.25	1.58	Rtn4rl1
1451563_at	-4.66	5.61E-05	0.00128	7.18	1.63	Emr4
1434188_at	-4.66	5.67E-05	0.00129	8.17	1.28	Slc16a12
1433536_at	-4.66	5.69E-05	0.00129	6.11	1.57	Lrp11
1428750_at	-4.66	5.70E-05	0.00129	7.34	1.36	Cdc42ep2
1423266_at	-4.65	5.76E-05	0.00131	10.27	1.29	2810405K02Rik
1433768_at	-4.65	5.78E-05	0.00131	9.66	0.95	Palld
1450974_at	-4.65	5.88E-05	0.00132	10.25	1.22	Timp4
1428140_at	-4.64	5.95E-05	0.00134	11.41	0.86	Oxct1
1423405_at	-4.64	5.99E-05	0.00134	12.43	0.97	Timp4
1449509_at	-4.64	6.00E-05	0.00134	3.86	0.87	Serf1
1423669_at	-4.64	6.03E-05	0.00134	8.9	1.41	Col1a1
1434245_a_at	-4.64	6.10E-05	0.00134	8.93	1.12	Cybasc3
1419182_at	-4.63	6.14E-05	0.00134	9.77	0.96	Svep1
1424349_a_at	-4.63	6.14E-05	0.00134	13.08	1.07	Lpgat1
1426971_at	-4.63	6.17E-05	0.00135	6.16	1.56	Ube1l
1448392_at	-4.63	6.21E-05	0.00135	13.14	0.8	Sparc
1450065_at	-4.62	6.32E-05	0.00137	7.28	1.32	Adcy7
1430623_s_at	-4.62	6.34E-05	0.00137	8.77	1.13	Obfc2a
1416239_at	-4.62	6.43E-05	0.00139	6.6	1.41	Ass1
1455099_at	-4.61	6.46E-05	0.00139	4.69	1.35	Mogat2
1424187_at	-4.61	6.50E-05	0.0014	11.36	0.86	Ccdc80
1429028_at	-4.61	6.57E-05	0.00141	11.01	0.82	Dock11

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1450409_a_at	-4.61	6.63E-05	0.00142	9.76	0.85	4930570C03Rik
1437643_at	-4.6	6.66E-05	0.00142	4.94	1.26	Cenpj
1429524_at	-4.6	6.68E-05	0.00142	5.04	1.08	Myo1f
1425343_at	-4.6	6.73E-05	0.00142	3.24	0.77	Hdhd3
1418367_x_at	-4.6	6.76E-05	0.00142	11.15	0.9	Hist2h2aa1
1424065_at	-4.6	6.76E-05	0.00142	9.57	0.9	Edem1
1453156_s_at	-4.6	6.77E-05	0.00142	8.97	1.03	Zadh1
1424336_at	-4.6	6.80E-05	0.00142	4.01	0.91	Ppcdc
1455673_at	-4.6	6.81E-05	0.00142	4.08	0.95	Alkbh2
1455428_at	-4.59	6.92E-05	0.00144	7.32	1.26	A930008G19Rik
1419509_a_at	-4.58	7.05E-05	0.00145	9.13	0.88	Nagk
1422760_at	-4.58	7.19E-05	0.00147	4.32	1.13	Padi4
1433954_at	-4.57	7.32E-05	0.00148	7.9	1.15	4632419I22Rik
1451567_a_at	-4.57	7.32E-05	0.00148	9.36	1.12	Ifi203
1418982_at	-4.57	7.34E-05	0.00148	11.18	1.03	Cebpa
1439755_at	-4.57	7.37E-05	0.00148	6.2	1.21	Sipa111
1436101_at	-4.56	7.48E-05	0.0015	6.19	1.4	Pank2
1416432_at	-4.56	7.63E-05	0.00152	11.88	1	Pfkfb3
1437459_x_at	-4.55	7.70E-05	0.00153	3.41	0.75	Slc25a19
1451564_at	-4.54	8.05E-05	0.00157	8.47	1.11	Parp14
1419249_at	-4.53	8.11E-05	0.00158	9.23	1.03	Pftk1
1434274_at	-4.53	8.13E-05	0.00158	10.88	1.01	Mycbp2
1436618_at	-4.53	8.14E-05	0.00158	5.28	1.44	Sfxn5
1436974_at	-4.53	8.22E-05	0.0016	5.38	1.38	A230069A22Rik
1460372_at	-4.53	8.29E-05	0.00161	4.6	1.05	Duoxa1
1428892_at	-4.52	8.44E-05	0.00163	5.43	1.3	Ppil1
1422558_at	-4.52	8.50E-05	0.00164	4.36	1.54	Gamt
1434342_at	-4.52	8.54E-05	0.00164	6.18	1.57	S100b
1434241_at	-4.52	8.55E-05	0.00164	4.31	0.96	Wdr67
1417702_a_at	-4.51	8.63E-05	0.00165	10.18	0.99	Hnmt
1454717_at	-4.51	8.74E-05	0.00166	7.62	1.02	Ankrd27
1424110_a_at	-4.51	8.78E-05	0.00167	9.82	0.88	Nme1
1426434_at	-4.51	8.79E-05	0.00167	10.1	1.08	Tmem43
1442508_at	-4.5	8.89E-05	0.00168	8.63	1.05	4933404M19Rik
1448550_at	-4.5	8.99E-05	0.00169	9.5	1.37	Lbp
1435541_at	-4.5	9.07E-05	0.0017	6.38	1.72	Btc
1453434_at	-4.49	9.08E-05	0.0017	5.69	1.37	1110019D14Rik
1431251_at	-4.49	9.11E-05	0.00171	4.45	1.27	Lrrc3
1435404_at	-4.49	9.12E-05	0.00171	3.8	0.78	Disp2
1433490_s_at	-4.49	9.24E-05	0.00172	10.57	0.96	Epb4.1I2
1434937_at	-4.48	9.53E-05	0.00177	12.06	0.98	Mycbp2
1423369_at	-4.48	9.57E-05	0.00178	11.76	1.31	Fmr1
1444201_at	-4.48	9.60E-05	0.00178	3.78	0.74	Cep135
1449147_at	-4.47	9.67E-05	0.00179	10.89	1.2	Chst1
1455400_at	-4.47	9.71E-05	0.00179	4.04	1.06	Ddah1
1426806_at	-4.47	9.80E-05	0.0018	9.13	1.15	Obfc2a
1416406_at	-4.47	9.81E-05	0.0018	9.07	0.92	Pea15a
1425829_a_at	-4.47	9.82E-05	0.0018	9.7	1.49	Steap4
1418474_at	-4.47	9.84E-05	0.0018	6.25	1.77	1500005A01Rik
1424444_a_at	-4.47	9.87E-05	0.0018	8.32	1.04	1600014C10Rik
1433855_at	-4.47	9.88E-05	0.0018	9.58	1.36	Abat
1418987_at	-4.46	9.97E-05	0.00182	8.93	1.21	Pla2g2d
1435271_at	-4.46	9.97E-05	0.00182	4.49	1.02	Irf3

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1460197_a_at	-4.46	0.0001	0.00183	11.51	1.14	Steap4
1422003_at	-4.46	0.0001	0.00184	4.76	2.32	Cxcr5
1416619_at	-4.46	0.0001	0.00184	9.82	0.88	4632428N05Rik
1454632_at	-4.45	0.0001	0.00185	4.29	1.32	6330442E10Rik
1434139_at	-4.44	0.0001	0.00187	8.32	1.01	Parp11
1423023_at	-4.44	0.00011	0.00188	6.34	1.94	Sfrp5
1416221_at	-4.44	0.00011	0.00188	11.62	0.81	Fstl1
1423596_at	-4.44	0.00011	0.00188	7.81	1.54	Nek6
1435031_at	-4.44	0.00011	0.0019	10.9	0.86	Tmem120a
1440890_a_at	-4.43	0.00011	0.00191	8.45	1.05	Zfp809
1437853_x_at	-4.43	0.00011	0.00191	10.14	0.92	Ndn
1419648_at	-4.43	0.00011	0.00192	10.1	0.81	Myo1c
1441098_at	-4.43	0.00011	0.00193	4.48	1.45	Pnlcd1
1438038_at	-4.43	0.00011	0.00193	8.99	0.91	4930402H24Rik
1423644_at	-4.42	0.00011	0.00195	9.5	1.17	Aco1
1417633_at	-4.42	0.00011	0.00196	10.49	1.38	Sod3
1451625_a_at	-4.41	0.00011	0.00198	3.75	1.11	C8g
1427295_at	-4.41	0.00012	0.00202	9.74	0.85	Slc38a10
1434572_at	-4.4	0.00012	0.00203	7.66	1.29	Hdac9
1418710_at	-4.39	0.00012	0.00206	11.03	0.85	Cd59a
1431109_at	-4.39	0.00012	0.00207	5.96	1.45	Prr16
1452799_at	-4.38	0.00012	0.0021	7.39	1.24	Fggy
1443939_at	-4.38	0.00013	0.00214	5.23	1.55	OTTMUSG00000008561
1424317_at	-4.38	0.00013	0.00214	6.21	1.36	Slc25a19
1419573_a_at	-4.38	0.00013	0.00214	13.77	0.65	Lgals1
1434754_at	-4.37	0.00013	0.00216	7.34	1.06	Garnl4
1424857_a_at	-4.37	0.00013	0.00216	9.62	1.05	NA
1428670_at	-4.37	0.00013	0.00217	4.62	1.1	2610305J24Rik
1424906_at	-4.37	0.00013	0.00218	9.34	1.13	Pqlc3
1435553_at	-4.36	0.00013	0.00221	10.7	0.89	Pdzd2
1442580_at	-4.36	0.00013	0.00223	6.97	1.48	A530020G20Rik
1434737_at	-4.34	0.00014	0.00229	4.82	0.99	Obfc1
1432562_at	-4.34	0.00014	0.0023	5.6	1.26	1110006G14Rik
1454934_at	-4.34	0.00014	0.0023	6.88	1.25	Ppm1f
1450493_at	-4.34	0.00014	0.0023	4.73	1.03	Kiss1r
1438378_at	-4.33	0.00014	0.00233	4.73	1.2	1700013G23Rik
1439995_at	-4.33	0.00014	0.00234	5.49	1.49	Nhedc2
1427228_at	-4.33	0.00015	0.00234	8.17	1.09	Palld
1454157_a_at	-4.33	0.00015	0.00234	7.69	1.47	Pla2g2d
1432489_a_at	-4.32	0.00015	0.00237	6.04	1.19	2410187C16Rik
1452621_at	-4.32	0.00015	0.00237	10.02	0.84	Pcbd2
1426785_s_at	-4.32	0.00015	0.00238	12.63	0.69	Mgll
1439834_at	-4.32	0.00015	0.00238	9.77	0.86	2400009B08Rik
1457869_at	-4.32	0.00015	0.00238	4.98	1.21	LOC100041694
1417751_at	-4.31	0.00015	0.00244	7.34	1.12	Stk10
1434729_at	-4.31	0.00015	0.00244	4.74	0.97	AK129302
1428947_at	-4.31	0.00015	0.00244	7.46	2.09	2010001M09Rik
1426879_at	-4.31	0.00016	0.00246	7.5	1.13	1190005F20Rik
1457031_at	-4.3	0.00016	0.00249	6.95	1.43	Fsd2
1428988_at	-4.29	0.00016	0.00251	5.59	1.19	Abcc3
1449222_at	-4.29	0.00016	0.00251	4.85	1.18	Ebi3
1449846_at	-4.29	0.00016	0.00252	8.45	1.03	Ear2
1455070_at	-4.28	0.00016	0.00256	8.36	1.05	Dcp2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1451969_s_at	-4.28	0.00016	0.00256	10.25	0.9	Parp3
1416390_at	-4.28	0.00017	0.00257	8.62	0.91	Rcbtb2
1452223_s_at	-4.28	0.00017	0.00259	10.12	0.81	Gcap14
1422437_at	-4.27	0.00017	0.00261	11	0.79	Col5a2
1451489_at	-4.27	0.00017	0.00263	7.22	1.38	Slc25a35
1434126_at	-4.27	0.00017	0.00263	10.03	0.8	4930402H24Rik
1417686_at	-4.27	0.00017	0.00265	10.14	1.12	Lgals12
1425850_a_at	-4.27	0.00017	0.00265	7.4	1.51	Nek6
1419649_s_at	-4.27	0.00017	0.00265	10.46	0.81	Myo1c
1432164_a_at	-4.26	0.00017	0.00265	11.79	0.84	Gcsh
1425294_at	-4.26	0.00017	0.00265	3.27	0.73	Slamf8
1445597_s_at	-4.26	0.00017	0.00265	13.94	0.56	Hrasls3
1427231_at	-4.26	0.00018	0.00268	6.64	1.54	Robo1
1422504_at	-4.26	0.00018	0.00268	5.6	1.56	Glrb
1423602_at	-4.26	0.00018	0.00268	3.61	0.92	Traf1
1428656_at	-4.26	0.00018	0.00268	7.63	1.05	Rnasen
1421045_at	-4.26	0.00018	0.00268	4.7	1.17	Mrc2
1435327_at	-4.25	0.00018	0.0027	10.96	1.3	AW112037
1419692_a_at	-4.25	0.00018	0.0027	9.89	0.98	Ltc4s
1416389_a_at	-4.25	0.00018	0.0027	10.3	0.81	Rcbtb2
1450095_a_at	-4.25	0.00018	0.00273	9.32	0.89	Acyp1
1449131_s_at	-4.25	0.00018	0.00273	12.94	0.8	Cd1d1
1456125_a_at	-4.24	0.00018	0.00274	12.19	0.65	Dynll1
1426657_s_at	-4.24	0.00018	0.00275	9.25	1.25	Phgdh
1419882_at	-4.24	0.00019	0.00276	4.25	1.34	Pfkfb3
1452893_s_at	-4.24	0.00019	0.00277	3.4	0.67	2310040A07Rik
1449412_at	-4.24	0.00019	0.00279	10.22	0.87	1810046J19Rik
1419706_a_at	-4.23	0.00019	0.00282	11.56	0.8	Akap12
1456442_at	-4.23	0.00019	0.00282	5.32	1.36	Rab3il1
1430133_at	-4.23	0.00019	0.00283	8.53	1.01	Tbc1d8b
1425084_at	-4.23	0.00019	0.00283	5.44	2.08	Gimap7
1437360_at	-4.23	0.00019	0.00283	7.58	1	Pcdh19
1426435_at	-4.23	0.00019	0.00283	10.27	1.03	Tmem135
1418884_x_at	-4.22	0.0002	0.00285	13.64	0.72	Tuba1a
1419498_at	-4.22	0.0002	0.00285	5.91	1.35	Tmigd1
1421871_at	-4.22	0.0002	0.00285	12.44	0.7	Sh3bgrl
1448786_at	-4.21	0.0002	0.00292	9.3	0.91	1100001H23Rik
1456584_x_at	-4.21	0.0002	0.00292	8.39	1.2	Phgdh
1418206_at	-4.2	0.00021	0.00295	5.52	1.12	Sdf2l1
1439758_at	-4.2	0.00021	0.003	6.14	1.62	Als2cr12
1447570_s_at	-4.19	0.00021	0.003	5.1	1.68	Akap10
1418057_at	-4.19	0.00021	0.003	6.81	1.45	Tiam1
1436453_at	-4.19	0.00021	0.00301	13.07	0.82	BB144871
1418482_at	-4.19	0.00021	0.00303	5.31	1.12	Cyb561d2
1451122_at	-4.19	0.00022	0.00305	8.27	1.06	Idi1
1448967_at	-4.19	0.00022	0.00305	9.71	0.79	Nipsnap3a
1422601_at	-4.18	0.00022	0.00308	8.83	0.92	Serpib9
1449059_a_at	-4.18	0.00022	0.00308	13.08	0.67	Oxct1
1434999_at	-4.18	0.00022	0.00309	7.99	1.07	Suv420h1
1417098_s_at	-4.18	0.00022	0.00309	9.25	0.81	Mecr
1452540_a_at	-4.18	0.00022	0.00309	12.8	0.69	Hist1h2bp
1449954_at	-4.18	0.00022	0.0031	5.48	1.07	Hyal1
1434291_a_at	-4.18	0.00022	0.0031	9.33	0.89	Serf1

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1423706_a_at	-4.17	0.00023	0.00312	10.81	0.79	Pgd
1423518_at	-4.17	0.00023	0.00313	6.26	1.19	Csk
1451218_at	-4.17	0.00023	0.00313	9.88	0.9	Edem1
1436045_at	-4.17	0.00023	0.00313	4.38	0.87	Tsga10
1439885_at	-4.17	0.00023	0.00313	7.46	1.14	Hoxc5
1452654_at	-4.16	0.00023	0.00317	7.61	1.4	Zdhhc2
1419292_at	-4.16	0.00023	0.00317	10.41	0.83	Htra3
1418980_a_at	-4.16	0.00023	0.00318	4.69	1.07	Cnp
1444449_at	-4.16	0.00023	0.00319	3.31	0.63	Usp18
1449229_a_at	-4.16	0.00024	0.00321	7.16	1.31	Cdkl2
1422191_at	-4.16	0.00024	0.00321	4.06	1	Cd200r1
1427294_a_at	-4.15	0.00024	0.00323	10	0.76	Slc38a10
1422580_at	-4.15	0.00024	0.00324	7.05	1.33	Myl4
1418327_at	-4.15	0.00024	0.00325	9.34	0.91	1110058L19Rik
1433727_at	-4.15	0.00024	0.00328	11.21	1.04	Glb1l2
1436833_x_at	-4.15	0.00024	0.00328	8.76	0.96	Ttll1
1429712_at	-4.14	0.00024	0.00329	11.01	0.77	RP24-87L14.2
1452067_at	-4.14	0.00025	0.0033	8.78	1.01	Asahl
1448619_at	-4.14	0.00025	0.0033	4.26	1.13	Dhcr7
1448259_at	-4.14	0.00025	0.00331	11.24	0.79	Fstl1
1446582_at	-4.14	0.00025	0.00333	4.71	1.25	Poln
1437875_at	-4.14	0.00025	0.00334	10.23	0.91	Bicd2
1437325_x_at	-4.13	0.00025	0.00336	6.74	1.17	Aldh18a1
1427100_at	-4.13	0.00025	0.00337	5.42	1.44	Metrn
1426690_a_at	-4.13	0.00025	0.00337	8.6	1.07	Srebfl
1443931_at	-4.13	0.00026	0.00338	3.83	0.74	Zfp617
1434592_at	-4.13	0.00026	0.00339	5.77	1.07	Slc16a10
1418382_at	-4.12	0.00026	0.00341	11.11	1.08	Apcdd1
1452402_at	-4.12	0.00026	0.00343	5.69	1.15	Uchl3
1426092_a_at	-4.12	0.00026	0.00344	4.16	0.85	Trim34
1434864_at	-4.12	0.00026	0.00345	8.42	0.96	Nipa1
1434436_at	-4.11	0.00027	0.00347	8.99	1.24	Morc4
1435331_at	-4.11	0.00027	0.00348	7.43	1.95	Pyhin1
1441404_at	-4.11	0.00027	0.00348	3.95	0.89	Pafah1b1
1430238_at	-4.11	0.00027	0.00349	3.91	0.71	Got1l1
1429394_at	-4.11	0.00027	0.00349	4.12	0.89	A130010J15Rik
1425784_a_at	-4.11	0.00027	0.00349	8.13	1.49	Olfm1
1449267_at	-4.11	0.00027	0.0035	6.19	1.16	Chid1
1452338_s_at	-4.11	0.00027	0.0035	7.87	0.99	Itsn1
1428141_at	-4.11	0.00027	0.0035	8.57	0.89	Gga2
1419259_at	-4.11	0.00027	0.0035	10.78	0.74	Rsu1
1439070_x_at	-4.11	0.00027	0.00351	9.01	0.74	4933439C20Rik
1428243_at	-4.1	0.00028	0.00355	4.58	1.02	1700021K19Rik
1433564_at	-4.1	0.00028	0.00357	9.74	0.78	Dgkd
1435691_at	-4.1	0.00028	0.00357	6.85	1.49	C630028N24Rik
1426876_at	-4.1	0.00028	0.00357	3.84	0.98	Pm20d1
1441752_at	-4.1	0.00028	0.00357	7.45	1.17	Art3
1455179_at	-4.09	0.00028	0.00357	8.25	1.02	Mpp7
1439835_x_at	-4.09	0.00028	0.00358	5.22	1.1	Abcd2
1417339_a_at	-4.09	0.00028	0.0036	12.26	0.62	Dynll1
1420123_at	-4.09	0.00029	0.00361	9.63	0.8	Tcta
1460592_at	-4.09	0.00029	0.00362	8.88	1.12	Epb4.1l1
1417298_at	-4.09	0.00029	0.00363	8.81	1.06	Ebpl

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1417535_at	-4.08	0.00029	0.00364	7.86	1.03	Fbxo25
1417604_at	-4.08	0.00029	0.00369	8.86	0.95	Camk1
1442294_at	-4.08	0.0003	0.00372	9.08	0.95	A530053G22Rik
1438411_at	-4.07	0.0003	0.00374	6.12	2.68	Gpr81
1416108_a_at	-4.07	0.0003	0.00374	10.13	0.74	Tmed3
1429830_a_at	-4.07	0.0003	0.00375	11.03	0.8	Cd59a
1437416_at	-4.07	0.0003	0.00375	10.76	0.85	BC034902
1450519_a_at	-4.07	0.0003	0.00376	7.29	1.17	Prkaca
1418366_at	-4.07	0.0003	0.00376	10.45	0.85	Hist2h2aa1
1418128_at	-4.07	0.0003	0.00376	9.54	0.84	Adcy6
1460424_at	-4.07	0.0003	0.00377	9.03	0.78	Tmem160
1452738_at	-4.07	0.0003	0.00377	6.49	1.16	Stoml1
1423218_a_at	-4.07	0.0003	0.00377	8.55	0.83	Mrpl49
1423619_at	-4.06	0.00031	0.00383	7.31	2.05	Rasd1
1449626_s_at	-4.06	0.00031	0.00383	9.7	0.75	Acbd4
1421963_a_at	-4.06	0.00031	0.00385	4.3	0.92	Cdc25b
1460351_at	-4.05	0.00031	0.00385	13.17	0.75	S100a11
1428033_at	-4.05	0.00031	0.00385	4.38	0.9	EG245174
1451318_a_at	-4.05	0.00031	0.00385	9.27	0.87	Lyn
1433446_at	-4.05	0.00032	0.00387	10.22	0.77	Hmgcs1
1434262_at	-4.05	0.00032	0.00388	3.16	0.66	Cog1
1449145_a_at	-4.05	0.00032	0.0039	14.12	0.54	Cav1
1454876_at	-4.05	0.00032	0.0039	5.05	0.99	Rab23
1424471_at	-4.05	0.00032	0.0039	7.07	1.13	Rapgef3
1436519_a_at	-4.04	0.00032	0.00393	9.71	0.88	1110057K04Rik
1424334_at	-4.04	0.00033	0.00396	7.32	1.18	Tspan17
1450981_at	-4.04	0.00033	0.00397	10.01	1.16	Cnn2
1460629_at	-4.04	0.00033	0.004	4.37	1.13	Trim16
1440825_s_at	-4.03	0.00034	0.00408	4.4	0.98	Ccdc28a
1439489_at	-4.03	0.00034	0.0041	7.57	0.97	Gpr120
1433504_at	-4.02	0.00035	0.00415	9.9	1.23	Pygb
1427411_s_at	-4.02	0.00035	0.00415	7.07	1.03	Dleu2
1452655_at	-4.02	0.00035	0.00415	6.03	1.3	Zdhhc2
1424156_at	-4.02	0.00035	0.00416	6.2	1.19	Rbl1
1449303_at	-4.01	0.00035	0.0042	8.97	0.94	Sesn3
1428082_at	-4.01	0.00035	0.00422	9.92	0.79	AcsI5
1458678_at	-4.01	0.00035	0.00422	4.63	0.94	Ndufab1
1417392_a_at	-4.01	0.00036	0.00424	3.93	0.74	Slc7a7
1416897_at	-4.01	0.00036	0.00424	9.51	0.83	Parp9
1416298_at	-4.01	0.00036	0.00426	8.41	0.87	Mmp9
1452333_at	-4.01	0.00036	0.00426	7.27	1.04	Smarca2
1424350_s_at	-4	0.00037	0.00431	9.41	1.17	Lpgat1
1435628_x_at	-4	0.00037	0.00431	7	1.18	BC005512
1437212_at	-4	0.00037	0.00432	5.3	1.04	Zfp420
1416804_at	-4	0.00037	0.00432	6.89	1.22	Ehbp1l1
1452606_at	-4	0.00037	0.00432	3.41	0.76	Mnd1
1439944_at	-4	0.00037	0.00432	4.94	0.98	NA
1442648_at	-3.99	0.00037	0.00434	4.36	0.89	Zfp563
1429058_at	-3.99	0.00037	0.00436	8.22	1.12	Tmem107
1428526_at	-3.99	0.00038	0.00438	9.46	0.81	Lsmd1
1419120_at	-3.99	0.00038	0.00439	6.47	1.29	Lyl1
1433610_at	-3.99	0.00038	0.0044	3.69	0.73	AA986860
1453836_a_at	-3.99	0.00038	0.0044	12.05	0.75	Mgll

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1441559_at	-3.99	0.00038	0.0044	5.14	1.4	LOC627626
1423557_at	-3.98	0.00038	0.00441	6.63	1.07	Ifngr2
1453739_at	-3.98	0.00038	0.00441	7.75	1.01	Tmem126b
1426052_at	-3.98	0.00038	0.00441	5.87	1.14	Mlh3
1416589_at	-3.98	0.00038	0.00441	13.34	0.69	Sparc
1431920_a_at	-3.98	0.00038	0.00442	3.87	0.9	2010004A03Rik
1417527_at	-3.98	0.00038	0.00442	6.08	1.22	Ap3m2
1441640_at	-3.98	0.00039	0.00443	3.44	0.65	Socs5
1419426_s_at	-3.98	0.00039	0.00443	9.73	1.03	Ccl21a
1456770_at	-3.98	0.00039	0.00444	4.74	0.94	Zfp14
1423765_at	-3.97	0.00039	0.00448	7.09	1.05	Athl1
1419103_a_at	-3.97	0.00039	0.00449	8.37	0.86	Abhd6
1417634_at	-3.97	0.0004	0.00449	8.65	1.38	Sod3
1434975_x_at	-3.97	0.0004	0.0045	10.76	0.69	4933439C20Rik
1429468_at	-3.97	0.0004	0.0045	6.89	1.06	1110018F16Rik
1435194_at	-3.97	0.0004	0.00451	9.73	0.71	Hspa4
1419027_s_at	-3.96	0.0004	0.00457	9.55	0.81	Gltf
1423046_s_at	-3.96	0.00041	0.00458	9.73	0.71	Ncbp2
1451555_at	-3.96	0.00041	0.00459	7.07	1.1	Nln
1417470_at	-3.96	0.00041	0.0046	5.65	1.25	Apobec3
1458236_at	-3.96	0.00041	0.00463	3.48	0.75	NA
1436039_at	-3.96	0.00041	0.00463	7.37	1.21	Cmah
1417189_at	-3.95	0.00042	0.00473	10.91	0.63	Psme2
1435191_at	-3.94	0.00043	0.00475	5.48	2.52	Cdsn
1431056_a_at	-3.94	0.00043	0.0048	14.08	0.45	Lpl
1460444_at	-3.94	0.00043	0.00481	8.25	0.88	Arrb1
1442023_at	-3.94	0.00043	0.00482	5.61	2.29	A530030E21Rik
1434745_at	-3.94	0.00044	0.00484	10.72	0.98	Ccnd2
1456023_at	-3.94	0.00044	0.00484	5.12	1	2210010B09Rik
1456337_at	-3.94	0.00044	0.00484	5.14	1.13	Centd1
1418770_at	-3.93	0.00044	0.00489	6.77	1.71	Cd2
1454084_a_at	-3.93	0.00044	0.00491	5.46	1.22	Senp8
1422072_a_at	-3.93	0.00045	0.00491	4.33	0.93	Gstm6
1425548_a_at	-3.93	0.00045	0.00494	4.97	1.02	Lst1
1433503_at	-3.92	0.00046	0.00499	10.25	0.81	Zadh1
1418848_at	-3.92	0.00046	0.00501	6.51	1.22	Aqp7
1448979_at	-3.92	0.00046	0.00504	8.62	0.86	Muted
1428471_at	-3.91	0.00046	0.00506	13.67	0.5	Sorbs1
1419383_at	-3.91	0.00047	0.00508	3.72	0.64	S100b
1424831_at	-3.91	0.00047	0.00508	4.77	1.22	Cpne2
1429267_at	-3.91	0.00047	0.00508	5.19	1.3	Acot11
1431003_a_at	-3.91	0.00047	0.00508	6.77	1.07	2610002J02Rik
1420984_at	-3.91	0.00047	0.00508	6.19	1.16	Pctp
1417788_at	-3.91	0.00047	0.0051	12.18	0.96	Sncg
1455918_at	-3.91	0.00048	0.00514	12.23	1.07	Adrb3
1424140_at	-3.9	0.00048	0.00514	3.38	0.8	Gale
1434214_at	-3.9	0.00048	0.00515	9.34	0.82	0910001L09Rik
1460521_a_at	-3.9	0.00048	0.00516	8.31	1.09	Obfc2a
1423495_at	-3.9	0.00048	0.0052	8.18	0.78	Decr2
1452327_at	-3.9	0.00049	0.00523	7.87	0.99	Iqsec1
1431163_at	-3.9	0.00049	0.00524	6.32	1.02	2700046G09Rik
1421093_at	-3.89	0.00049	0.00525	10.45	0.99	Slc7a10
1419564_at	-3.89	0.00049	0.00526	5.42	1.19	Zfp467

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1445279_at	-3.89	0.00049	0.00526	7.6	1.29	NA
1433463_at	-3.89	0.0005	0.00535	9.45	0.73	0610010K06Rik
1451606_at	-3.88	0.0005	0.00535	6.81	1.59	A530016L24Rik
1429396_at	-3.88	0.0005	0.00535	4.06	0.76	Atg16l2
1435375_at	-3.88	0.00051	0.00535	4.84	0.96	BC052328
1456480_at	-3.88	0.00051	0.00535	10.44	0.9	Fry
1428874_at	-3.88	0.00051	0.00536	8.55	0.81	1110019N10Rik
1430030_at	-3.88	0.00051	0.00537	7.4	1.08	5330426P16Rik
1435910_at	-3.88	0.00051	0.00538	10.68	0.94	Fads3
1449070_x_at	-3.88	0.00051	0.00541	12.17	1.01	Apcdd1
1429326_at	-3.88	0.00051	0.00541	4.38	0.85	Cenpl
1449072_a_at	-3.88	0.00052	0.00543	7.68	1.12	N6amt2
1424863_a_at	-3.87	0.00052	0.00544	9.35	0.89	Hipk2
1448922_at	-3.87	0.00052	0.00544	6.47	1.09	Dusp19
1425598_a_at	-3.87	0.00052	0.00549	7.22	1.05	Lyn
1422645_at	-3.87	0.00053	0.00549	10.07	1	Hfe
1449130_at	-3.86	0.00054	0.00559	13.55	0.63	Cd1d1
1456907_at	-3.86	0.00054	0.00561	5.95	1.12	Cxcl9
1428505_at	-3.86	0.00054	0.00564	10.51	0.68	Ccdc90b
1426502_s_at	-3.86	0.00055	0.00565	7.99	1.59	Gpt
1435403_at	-3.85	0.00055	0.00572	3.73	0.65	1700007L15Rik
1439959_at	-3.85	0.00055	0.00572	4.21	0.9	Fgf11
1438728_at	-3.85	0.00055	0.00572	4.6	0.92	Nif3l1
1458019_at	-3.85	0.00055	0.00572	3.22	0.7	NA
1428433_at	-3.85	0.00056	0.00575	12.2	0.72	Hipk2
1421882_a_at	-3.85	0.00056	0.00575	3.78	0.84	Elavl2
1433445_x_at	-3.85	0.00056	0.00575	12.29	0.59	Hmgcs1
1418702_a_at	-3.85	0.00056	0.00575	8.13	0.88	2810428I15Rik
1422550_a_at	-3.84	0.00057	0.0058	6.29	1.05	Mtap6
1448631_a_at	-3.84	0.00057	0.00581	5.06	1.57	Hipk2
1429176_at	-3.83	0.00058	0.00592	5.93	1.07	Lrsam1
1427883_a_at	-3.83	0.00058	0.00592	12.88	0.83	Col3a1
1451232_at	-3.83	0.00058	0.00593	11.13	0.72	Cd151
1417272_at	-3.83	0.00059	0.00597	8.61	0.84	9130005N14Rik
1417903_at	-3.83	0.00059	0.00599	5.7	1.1	Dfna5h
1452829_at	-3.83	0.00059	0.00599	6.06	0.99	Cad
1433526_at	-3.83	0.00059	0.006	5.18	1.21	Klhl8
1434172_at	-3.83	0.00059	0.006	7.42	1.37	Cnr1
1416645_a_at	-3.82	0.0006	0.00603	3.34	1.16	Afp
1433728_at	-3.82	0.0006	0.00605	10.83	0.93	Glb1l2
1456307_s_at	-3.82	0.0006	0.00607	9.21	1	Adcy7
1437760_at	-3.81	0.00061	0.00616	5.77	1.05	Galnt12
1448536_at	-3.81	0.00061	0.00616	10.39	0.74	Lsm3
1422628_at	-3.81	0.00061	0.00616	7.99	1.21	4632417K18Rik
1448559_at	-3.81	0.00061	0.00616	9.22	0.88	Flot1
1434980_at	-3.81	0.00061	0.00616	4.4	0.92	Pik3r5
1415673_at	-3.81	0.00062	0.00619	7.68	1.22	Psph
1427404_x_at	-3.81	0.00062	0.00625	11.48	0.65	EG433182
1456361_at	-3.81	0.00062	0.00625	6.26	1.06	Afap1
1453708_a_at	-3.81	0.00063	0.00625	4.34	0.87	Gsto2
1422903_at	-3.8	0.00063	0.00627	9.65	1.12	Ly86
1423101_at	-3.8	0.00063	0.00631	5.39	1.22	Paqr4
1457625_s_at	-3.8	0.00063	0.00632	4.42	0.93	Cdkl2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1456022_at	-3.8	0.00064	0.00632	9.58	1.09	Hipk2
1416993_at	-3.79	0.00064	0.00639	9.19	0.79	Cog4
1448291_at	-3.79	0.00065	0.0064	5.65	1.18	Mmp9
1427989_at	-3.79	0.00065	0.00641	3.58	1.02	Amhr2
1457679_at	-3.79	0.00065	0.00641	4.19	0.8	Dclre1c
1429169_at	-3.79	0.00065	0.00643	5.47	1.29	Rbm3
1434528_at	-3.79	0.00065	0.00643	6.8	1.21	Aard
1460337_at	-3.79	0.00066	0.00645	9.69	0.82	Sh3kbp1
1419219_at	-3.79	0.00066	0.00645	7.04	1.24	Cyp4f18
1429196_at	-3.79	0.00066	0.00647	7.82	1	Rabgap1l
1451399_at	-3.79	0.00066	0.00647	8.25	0.86	Pnkd
1442174_at	-3.78	0.00067	0.00653	5.86	1.15	Tspan18
1428242_at	-3.78	0.00067	0.00654	4.69	1.15	Hmha1
1428085_at	-3.78	0.00067	0.00654	9.52	0.75	1110057K04Rik
1433786_x_at	-3.78	0.00067	0.00657	11.61	0.65	Serf2
1428540_at	-3.78	0.00067	0.00658	7.43	1.16	3321401G04Rik
1458404_at	-3.78	0.00068	0.00659	6.01	1.01	Ndufb8
1439622_at	-3.78	0.00068	0.00661	7.33	1.15	Rassf4
1434017_at	-3.77	0.00068	0.00662	9.1	0.84	NA
1453744_a_at	-3.77	0.00068	0.00663	9.86	0.69	Ankrd40
1435796_at	-3.77	0.00068	0.00664	4.22	1.04	NA
1415946_at	-3.77	0.00069	0.00666	9.24	0.74	Pigq
1435692_at	-3.77	0.00069	0.00666	5.79	1.08	Kctd21
1424217_at	-3.77	0.00069	0.00671	3.74	0.76	Papola
1421550_a_at	-3.77	0.0007	0.00672	6.29	1.11	Trim34
1447277_s_at	-3.76	0.0007	0.00675	11.43	0.64	Pcyox1
1423135_at	-3.76	0.0007	0.00675	7.8	1.22	Thy1
1455940_x_at	-3.76	0.0007	0.00675	11.04	0.69	Wdr6
1447100_s_at	-3.76	0.0007	0.00675	8.52	0.81	5730508B09Rik
1452599_s_at	-3.76	0.00071	0.00676	6.59	0.93	AI413582
1417218_at	-3.76	0.00071	0.00677	5.08	0.95	2810048G17Rik
1429934_at	-3.76	0.00071	0.00679	3.99	0.82	4930502E18Rik
1448590_at	-3.76	0.00071	0.00682	10.99	0.89	Col6a1
1418383_at	-3.76	0.00072	0.00684	9.56	1.07	Apcdd1
1452823_at	-3.75	0.00072	0.00686	9.85	0.73	Gstk1
1448640_at	-3.75	0.00072	0.00688	4.62	0.86	Slc14a1
1418716_at	-3.75	0.00072	0.00688	6.35	1.05	Mrps25
1419604_at	-3.75	0.00073	0.00694	3.95	0.81	Zbp1
1426398_at	-3.75	0.00074	0.00696	9.66	0.69	Ube2w
1448390_a_at	-3.74	0.00074	0.00698	11.2	0.66	Dhrs3
1448124_at	-3.74	0.00074	0.007	9.45	0.87	Gusb
1449443_at	-3.74	0.00075	0.00703	8.79	0.89	Decr1
1429525_s_at	-3.74	0.00075	0.00703	5.78	0.96	Myo1f
1422527_at	-3.74	0.00075	0.00705	7.06	1.22	H2-DMA
1429522_at	-3.74	0.00075	0.00705	3.29	0.82	Ankrd42
1428041_at	-3.74	0.00076	0.00709	3.2	0.55	1600002H07Rik
1417434_at	-3.73	0.00076	0.00711	10.91	0.75	Gpd2
1439487_at	-3.73	0.00076	0.00714	6.49	1.14	Lig4
1449124_at	-3.73	0.00077	0.0072	8.99	0.76	Rgl1
1447500_at	-3.73	0.00078	0.00725	3.44	0.69	Cux2
1421720_a_at	-3.72	0.00078	0.00727	7.54	0.98	Dtx2
1448319_at	-3.72	0.00078	0.00727	10.77	0.69	Akr1b3
1416022_at	-3.72	0.00079	0.00729	11.15	0.77	Fabp5

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1420338_at	-3.72	0.00079	0.00733	5.9	1.51	Alox15
1458016_at	-3.72	0.00079	0.00734	3.56	0.68	NA
1418587_at	-3.72	0.0008	0.00734	5.4	1.13	Traf3
1420582_at	-3.71	0.0008	0.0074	3.12	0.68	Cd209e
1440928_at	-3.71	0.00081	0.00743	6.3	1.06	D630037F22Rik
1445888_x_at	-3.71	0.00081	0.00743	7.92	0.93	Parp3
1450696_at	-3.71	0.00081	0.00745	8.68	1.32	Psmb9
1426562_a_at	-3.71	0.00081	0.00746	5.36	1.18	Olfm1
1434900_at	-3.71	0.00081	0.00749	7.13	0.98	Mkl1
1427195_at	-3.71	0.00082	0.00749	6.41	1.21	NA
1431119_at	-3.7	0.00082	0.00756	5.83	1	Dnajb13
1452864_at	-3.7	0.00083	0.00758	5.21	0.96	Med12l
1457728_at	-3.7	0.00083	0.00758	3.86	0.76	Bcnp1
1418398_a_at	-3.7	0.00084	0.00764	6.19	1.48	Tspan32
1429382_at	-3.7	0.00084	0.00766	6.74	1.06	Tomm40l
1426376_at	-3.7	0.00084	0.00767	10.47	0.78	Reep5
1452130_at	-3.7	0.00084	0.0077	10.24	0.65	Txndc14
1417575_at	-3.69	0.00085	0.00775	4.02	0.77	Otub2
1448211_at	-3.69	0.00085	0.00775	9.78	0.81	Atp6v0e2
1427510_at	-3.69	0.00085	0.00775	10.2	0.65	Gnai1
1428849_at	-3.69	0.00086	0.00781	4.79	0.89	Rps6kb1
1415975_at	-3.69	0.00086	0.00781	8.98	0.81	Carhsp1
1415919_at	-3.69	0.00086	0.00781	9.5	0.72	Npdc1
1460553_at	-3.69	0.00087	0.00784	6.05	1.2	1700025K23Rik
1416284_at	-3.68	0.00087	0.00787	8.37	0.83	Mrpl28
1452353_at	-3.68	0.00088	0.00788	7.97	0.98	Gpr155
1450869_at	-3.68	0.00088	0.00788	8.52	0.93	Fgf1
1417826_at	-3.68	0.00088	0.0079	8.29	0.88	Akr1e1
1455336_at	-3.68	0.00089	0.00795	5.94	1.13	Thap2
1428692_at	-3.68	0.00089	0.00796	4.86	0.87	Hddc3
1418704_at	-3.67	0.00089	0.00798	9.04	0.69	S100a13
1437273_at	-3.67	0.00089	0.00798	7.33	1.35	Htra4
1436944_x_at	-3.67	0.0009	0.00798	12.01	0.7	4933439C20Rik
1433969_at	-3.67	0.0009	0.00802	3.69	0.8	Cdkl4
1451018_at	-3.67	0.00091	0.00804	9.35	0.67	Leprotl1
1452954_at	-3.67	0.00091	0.0081	4.7	1.5	Ube2c
1422656_at	-3.66	0.00092	0.00814	5.01	0.94	Rasl2-9
1422411_s_at	-3.66	0.00092	0.00814	9.5	0.81	Ear3
1448384_at	-3.66	0.00092	0.00815	4.4	0.93	Pofut2
1417962_s_at	-3.66	0.00093	0.00824	14.16	0.44	Ghr
1450966_at	-3.66	0.00093	0.00825	9.95	0.75	Crot
1428313_at	-3.66	0.00094	0.00825	4.01	0.78	Zswim3
1429115_at	-3.65	0.00095	0.00836	6.46	0.98	2010003O02Rik
1438001_x_at	-3.65	0.00095	0.00836	12.28	0.55	Reep5
1460584_at	-3.65	0.00096	0.00839	10.18	0.74	Hisppd2a
1423678_at	-3.65	0.00096	0.00839	7.65	0.86	BC017643
1443882_at	-3.65	0.00096	0.00839	5.85	1.05	NA
1418873_at	-3.65	0.00096	0.00841	7	1.08	Sfxn4
1417214_at	-3.65	0.00096	0.00842	5.09	0.9	Rab27b
1415971_at	-3.65	0.00097	0.00844	12.58	0.58	Marcks
1416263_at	-3.65	0.00097	0.00845	5.1	0.88	Abcb9
1417456_at	-3.64	0.00097	0.00849	10.28	0.91	Gnpat
1455236_x_at	-3.64	0.00098	0.0085	11.61	0.63	Serf2

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1417975_at	-3.64	0.00098	0.00852	5.26	1	Kpna4
1416021_a_at	-3.64	0.00099	0.00853	12.58	0.6	Fabp5
1417756_a_at	-3.64	0.00099	0.00854	9.42	0.78	Lsp1
1425738_at	-3.64	0.00099	0.00854	8.48	2.16	Igk-V1
1415932_x_at	-3.64	0.00099	0.00855	8.71	0.85	Atp9a
1447184_at	-3.64	0.00099	0.00855	3.96	0.77	AU021760
1427301_at	-3.64	0.00099	0.00855	8.56	0.87	Cd48
1460216_at	-3.63	0.00101	0.00868	8.06	0.91	Acads
1429234_s_at	-3.63	0.00102	0.0087	8.23	0.8	Sep-11
1421063_s_at	-3.63	0.00102	0.00872	8.09	1.07	Snurf
1454799_at	-3.62	0.00102	0.00877	10.15	0.92	Agpat9
1418204_s_at	-3.62	0.00103	0.00877	6.69	1.26	Aif1
1448407_at	-3.62	0.00103	0.0088	6.6	0.95	4632428N05Rik
1428873_a_at	-3.62	0.00103	0.0088	6.57	1.08	4121402D02Rik
1416122_at	-3.62	0.00104	0.00882	10.92	0.86	Ccnd2
1436737_a_at	-3.62	0.00104	0.00885	13.65	0.46	Sorbs1
1451541_at	-3.62	0.00104	0.00887	5.53	0.97	Bcs1l
1423394_at	-3.62	0.00105	0.00888	9.21	0.73	Pcyox1
1434827_at	-3.61	0.00105	0.00894	4.7	0.86	Thoc6
1433444_at	-3.61	0.00106	0.00896	12.27	0.56	Hmgcs1
1435425_at	-3.61	0.00106	0.00899	4.1	0.66	Pisd
1450455_s_at	-3.61	0.00106	0.00899	9.28	0.75	Akr1c12
1434665_at	-3.61	0.00107	0.009	10.32	0.72	Aga
1435328_at	-3.61	0.00107	0.00901	6.74	0.98	Cyhr1
1429065_at	-3.61	0.00108	0.00905	8	0.87	120009F10Rik
1416356_at	-3.61	0.00108	0.00905	7.88	0.9	Gmpr2
1442074_at	-3.61	0.00108	0.00905	6.41	1.77	Clec2g
1456288_at	-3.6	0.00109	0.0091	9.64	0.73	Sifn5
1419022_a_at	-3.6	0.00109	0.00912	10.75	0.64	Eno1
1458425_at	-3.6	0.00109	0.00914	3.93	0.78	Myl6b
1420690_at	-3.6	0.0011	0.00916	3.75	0.66	Fgf10
1453241_a_at	-3.6	0.0011	0.00921	4.34	0.81	2810047C21Rik
1419809_s_at	-3.6	0.00111	0.00922	9.44	0.68	Cog4
1440840_at	-3.6	0.00111	0.00922	6.43	1.24	D630004K10Rik
1455860_at	-3.59	0.00111	0.00923	7.21	0.89	Pigh
1416503_at	-3.59	0.00111	0.00923	7.99	0.89	Lxn
1443007_at	-3.59	0.00111	0.00923	4.43	0.85	NA
1452393_at	-3.59	0.00112	0.00923	5.88	1.17	Akna
1452789_at	-3.59	0.00112	0.00926	8.69	0.86	Snn
1421818_at	-3.59	0.00113	0.00933	9.39	0.72	Bcl6
1450034_at	-3.59	0.00113	0.00933	9.12	1.09	Stat1
1449377_at	-3.59	0.00114	0.0094	7.52	1.02	Nicn1
1429125_at	-3.58	0.00114	0.00941	5.89	0.99	Zbtb9
1424118_a_at	-3.58	0.00114	0.00942	4.7	1.05	Spc25
1452381_at	-3.58	0.00115	0.00944	8.17	0.79	Creb3l2
1452550_a_at	-3.58	0.00115	0.0095	5.88	1.37	Fmr1
1451895_a_at	-3.58	0.00116	0.00951	4.7	0.94	Dhcr24
1426794_at	-3.58	0.00116	0.00952	6.51	1.03	Ptprs
1440787_s_at	-3.58	0.00116	0.00954	3.77	0.71	Bbs10
1418664_at	-3.58	0.00117	0.00958	10.89	0.72	Mpdz
1425078_x_at	-3.58	0.00117	0.00958	5.45	1.3	C130026I21Rik
1437639_at	-3.58	0.00117	0.00958	6.61	1.2	3321401G04Rik
1426970_a_at	-3.57	0.00118	0.0096	6.35	1.01	Ube1l

Probe ¹	t ²	p-value	q-value	Mean ³	FC ⁴	Symbol
1418737_at	-3.57	0.00118	0.00962	9.17	0.79	Nudt2
1448111_at	-3.57	0.00118	0.00962	10.47	0.63	Ctps2
1423362_at	-3.57	0.00119	0.0097	9.78	0.93	Sort1
1418123_at	-3.57	0.0012	0.00972	7.9	0.99	Unc119
1436022_at	-3.57	0.0012	0.00972	4.11	0.77	Endogl1
1449265_at	-3.57	0.0012	0.00975	8.87	0.78	Casp1
1440172_s_at	-3.57	0.0012	0.00975	3.56	0.62	1700113H08Rik
1442348_at	-3.56	0.00121	0.00976	5.22	0.98	NA
1430287_s_at	-3.56	0.00121	0.00976	6.06	0.95	Hemk1
1420817_at	-3.56	0.00121	0.00977	10.26	1.01	Ywhag
1460603_at	-3.56	0.00122	0.00984	9.42	0.7	Samd9l
1436072_at	-3.56	0.00122	0.00985	7.05	0.92	5830428H23Rik
1455213_at	-3.56	0.00122	0.00985	6.82	1.14	4930488E11Rik
1438962_s_at	-3.56	0.00123	0.00989	3.47	0.55	Ddx31
1416481_s_at	-3.56	0.00123	0.00989	6.07	1.26	Higd1a
1433491_at	-3.55	0.00124	0.00994	8.48	0.99	Epb4.1l2
1452754_at	-3.55	0.00124	0.00994	8.7	0.86	Creld2
1441339_at	-3.55	0.00124	0.00994	3.25	0.53	Chd9
1416357_a_at	-3.55	0.00125	0.00998	9.76	0.63	Mcam
1419104_at	-3.55	0.00125	0.01	5.82	1.02	Abhd6
1437454_a_at	-3.55	0.00125	0.01	9.79	0.71	Txndc14
1427604_a_at	-3.55	0.00125	0.01	8.73	0.83	Atp9a

Table S4b. Footnote

Gene lists were generated using the Cyber-T method, with only genes with a *q*-value < 0.01 presented.

¹ *Probe* represents the Affymetrix probe set identifier.

² *t* represents the t-statistic output from the Cyber-T method.

³ *Mean* represents the mean expression signal after normalization.

⁴ *FC* represents the log₂ fold change in normalized signals.

Table S5

	Mean adult lifespan (days) \pm s.e.m.	<i>p</i> value vs control	n dead/Total
WT	20.62 \pm 0.54	-	44/52
<i>aak-2(ok524)</i>	16.72 \pm 0.46	0.0001*	35/41
<i>rsk-1(pk1255)</i>	23.09 \pm 0.66	0.0028*	48/58
<i>aak-2(ok524);rsk-1(pk1255)</i>	16.31 \pm 0.49	0.0001*	40/49
		0.0001**	
		0.6028***	

Table S5: Statistical analysis of *C. elegans* lifespan experiments.

Data corresponds to that presented in Fig. 3C. * control = *N2* ** control = *rsk-1(pk1255)* *** control = *aak-2(ok524)*. Lifespan was analysed using the log rank test. n refers to the number of animals scored as dead vs the total number of animals present at the start of the experiment. Animals were censored if they exhibited *egl* phenotypes, exploded or escaped. This is data from one representative experiment.

Supporting References

- S1. H. Shima *et al.*, *Embo J* **17**, 6649 (1998).
- S2. C. Selman *et al.*, *Faseb J* **22**, 807 (2008).
- S3. C. Selman, S. Lingard, D. Gems, L. Partridge, D. J. Withers, *Science* **320**, 1012; author reply 1012 (2008).
- S4. A. Taguchi, L. M. Wartschow, M. F. White, *Science* **317**, 369 (2007).
- S5. E. F. Schuster, E. Blanc, L. Partridge, J. M. Thornton, *Genome Biol* **8**, R126 (2007).
- S6. M. Foretz, D. Carling, C. Guichard, P. Ferre, F. Foufelle, *J Biol Chem* **273**, 14767 (1998).
- S7. A. Woods *et al.*, *J Biol Chem* **271**, 10282 (1996).
- S8. S. P. Davies, D. Carling, D. G. Hardie, *Eur J Biochem* **186**, 123 (1989).
- S9. R. S. Kamath, M. Martinez-Campos, P. Zipperlen, A. G. Fraser, J. Ahringer, *Genome Biol* **2**, RESEARCH0002 (2001).
- S10. H. Lee *et al.*, *J Biol Chem* **283**, 14988 (2008).