**Supplementary figure 1** MuSC viability following FACS and FN levels in young and aged tissue. (**a, b**) MuSCs were gated for lineage negativity (Lin–FITC), and positively for CD34 (CD34–Alexa647), Integrin–alpha7 (Integrin–alpha7–Alexa700) and for the viability dye 7–AAD (7–aminoactinomycin D). Based on 7–AAD staining, 13,68 % of aged (**a**) and 14.09 % of young (**b**) cells that were identified as not viable. No major differences in viability were observed between the conditions. (**c**) qPCR for FN expression from RNA isolated from uninjured muscles or 3, 7 and 14 days post injury. Bars are normalized to Young uninj. (**d**) Number of isolated cells from young and aged muscles at 3 d.p.i. quantified by flow cytometry. (**e**) qPCR for FN expression from RNA isolated from different cell types isolated from muscles 3 d.p.i. Expression values were quantified on equal amounts of total RNA. Throughout, bars represent means + s.e.m.. All replicates are biological. $n = 8$ (**c**), $n = 4$ (**d**); $n = 5$ for young and $n = 6$ for aged (**e**). *** $P < 0.001$, ** $P < 0.01$,* $P \leq 0.05$ versus uninj. or comparison indicated; one–way ANOVA followed by Bonferroni post–test (**c**) or Student's *t*–test (**d, e**).

Ctrl   iFN-KO
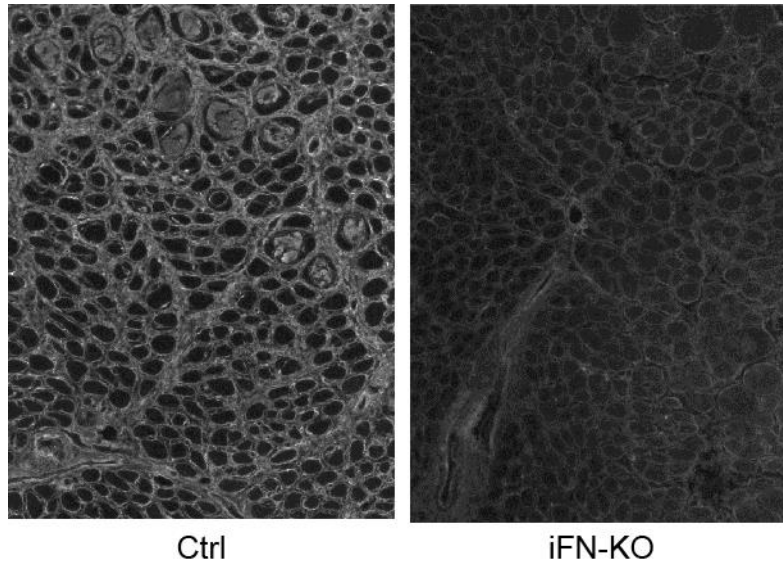
Supplementary figure 2 FN tissue levels in iFN–KO mice. Immunostaining for Fibronectin (FN) from muscles of control (Ctrl) or FN knockout mice (iFN–KO) five days following injury. Images were acquired with the same exposure time.
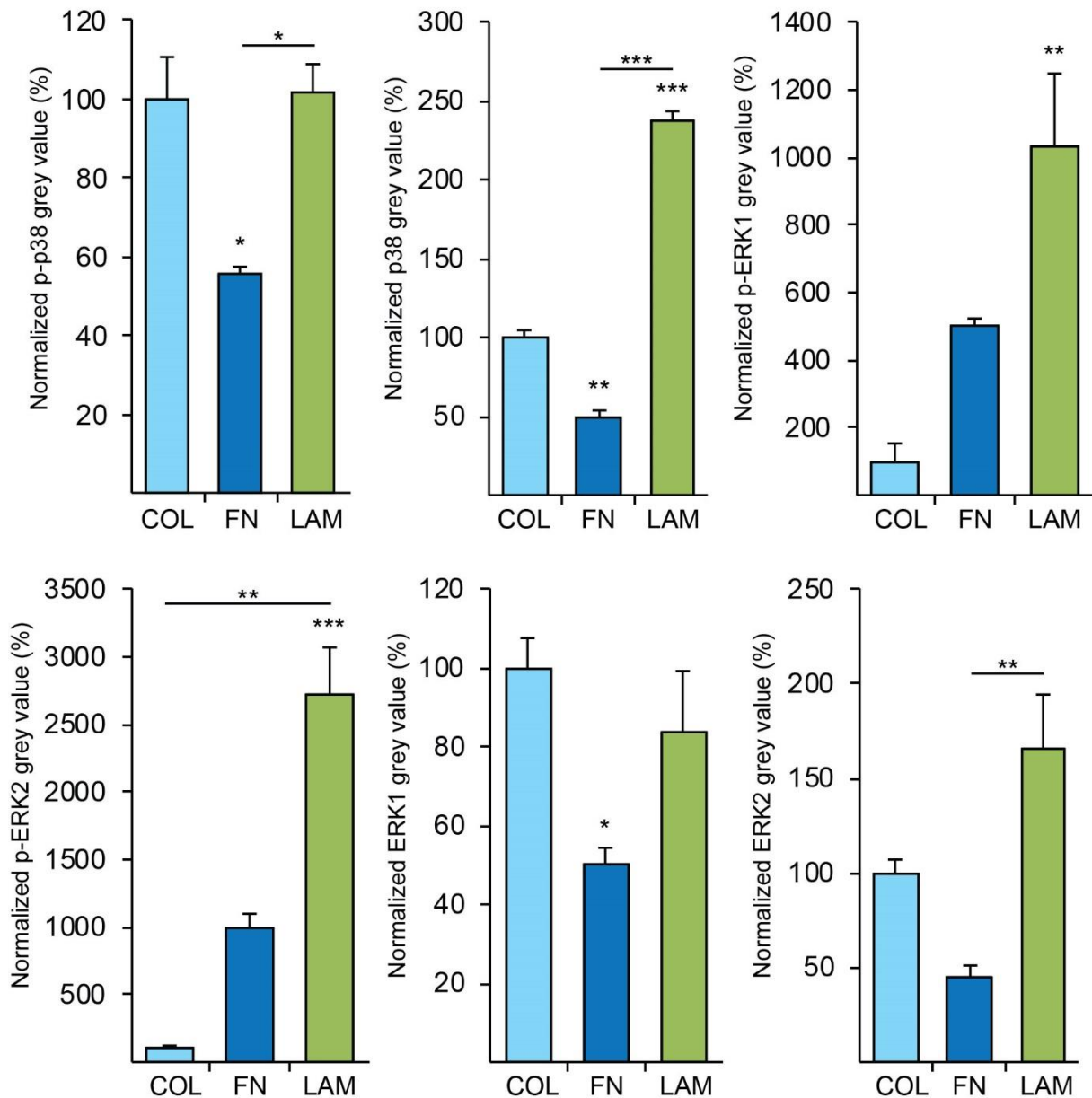
Supplementary figure 3 Quantification of western blot grey values for figure 3a. Grey values were background corrected and normalized to actin. Bars represent means + s.e.m.. $n = 3$ cell lysates from independent experiments per condition. One–way ANOVA followed by Bonferroni post–test. *** $P < 0.001$, ** $P < 0.01$, * $P < 0.05$.
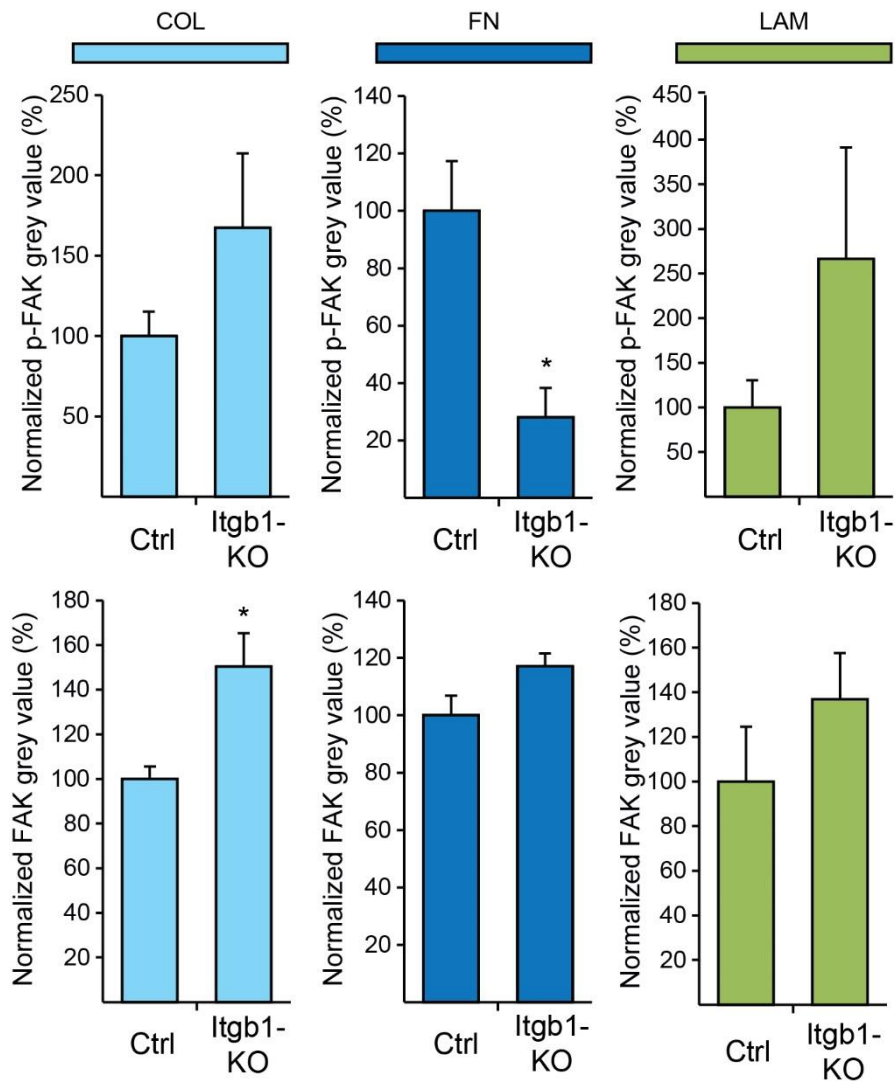
Supplementary figure 4 Quantification of western blot grey values for figure 4g. Grey values were background corrected and normalized to GAPDH. Bars represent means + s.e.m.. *n* = 3 cell lysates from independent experiments per condition. Student's *t*–test *P* value is * *P* < 0.05.
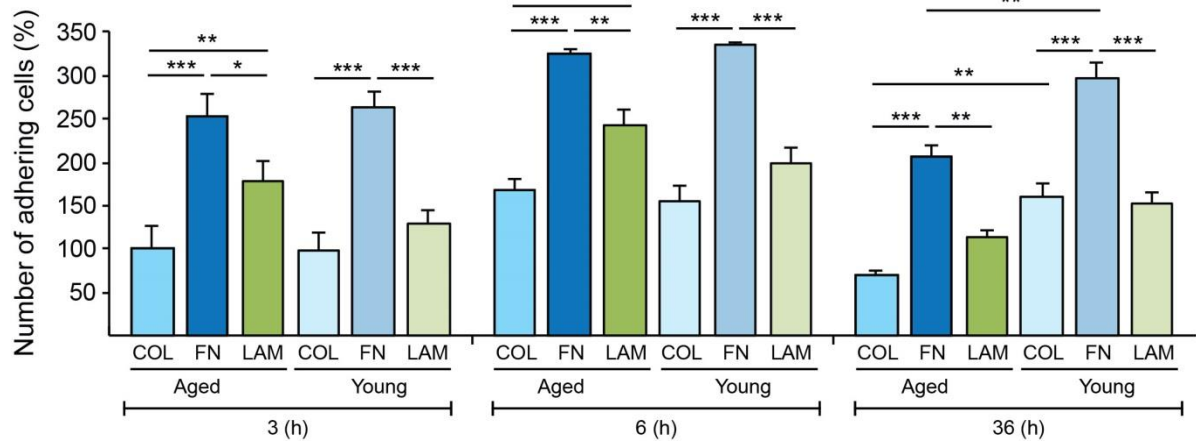
Supplementary figure 5 Adhesion capacity of freshly isolated aged and young MuSCs. Cells were analyzed 3 h, 6 h and 36 h after seeding on COL, FN or LAM. Bars represent means + s.e.m.. $n = 3$ mice. two–way ANOVA followed by Bonferroni post–test. *** $P < 0.001$, ** $P < 0.01$, * $P < 0.05$.
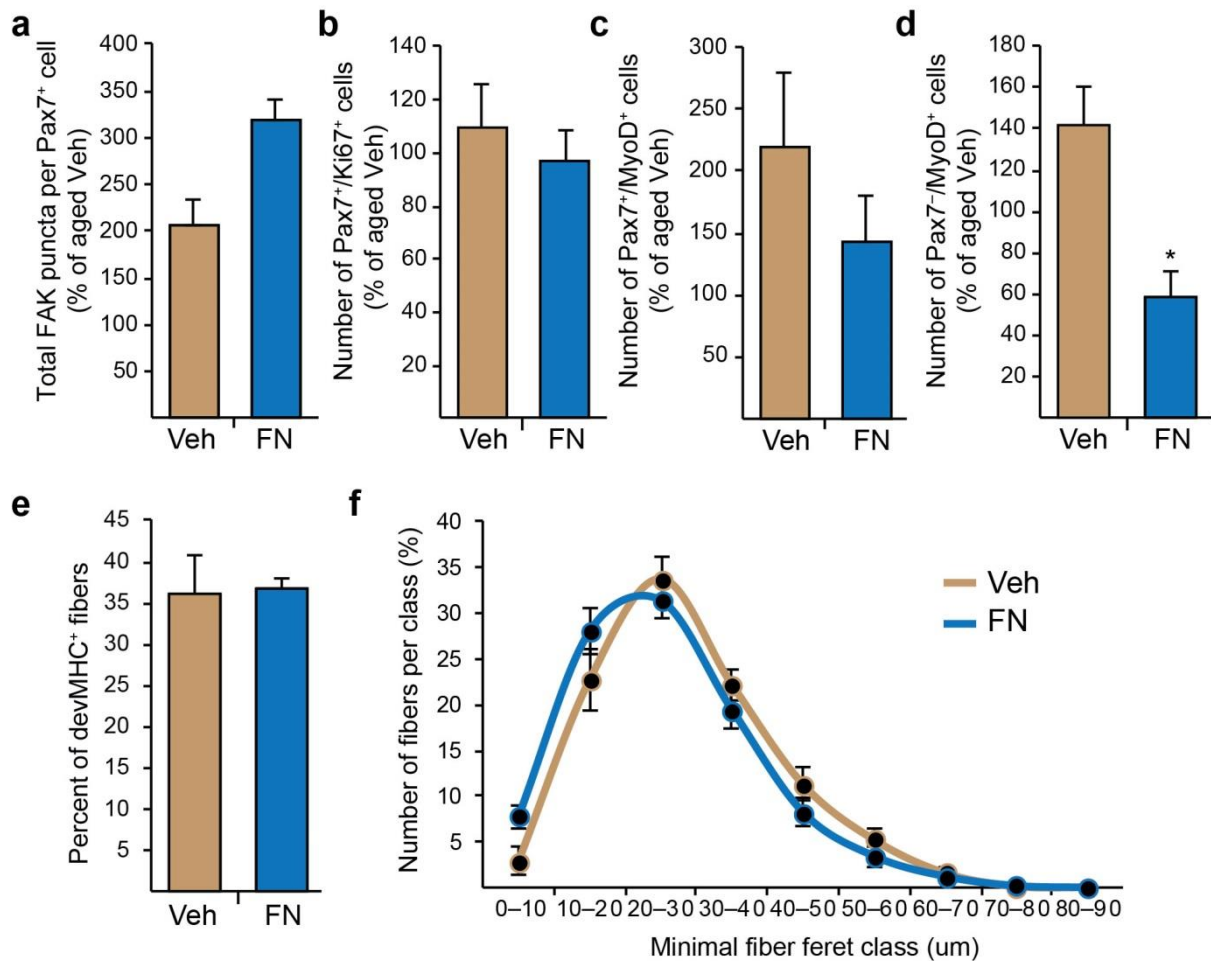
Supplementary figure 6 FN treatment has limited effects on muscle regeneration in young mice. (**a**) Quantification of FAK levels in Pax7$^+$ MuSCs in tissue sections of vehicle (Veh) or FN treated young mice at 5 d.p.i. (**b–d**) Numbers of Pax7 and Ki67 positive (Pax7$^+$Ki67$^+$) cells, Pax7 and MyoD (Pax7$^+$MyoD$^+$) positive cells, and Pax7 negative MyoD positive (Pax7$^-$MyoD$^+$) cells per area in muscle cross sections of Veh or FN treated young mice at 5 d.p.i. (**e**) Quantification of the percentage of devMHC$^+$ fibers in muscles of young Veh or Col treated mice at 7 d.p.i. (**f**) Fiber size quantification from young Veh or FN treated mice at 7 d.p.i. Throughout, bars and data points represent means + s.e.m. and ± s.e.m., respectively. $n = 3$ (**c** FN), $n = 4$ (**a**, **b**, **c** Veh, **d**) or $n = 5$ (**e, f**) mice per condition. * $P < 0.05$. Student's *t*–test.

Supplementary table 1 Pathway analysis in young versus aged MuSCs. The table is based on microarray data from freshly isolated young and old MuSCs at 3 d.p.i. Core enrichment genes in the KEGG pathways ECM-receptor interaction, JAK-STAT signaling pathway, MAPK signaling pathway and cell cycle. Microarrays were performed on MuSCs from n = 6 aged mice and n = 5 young mice.

JAK_STAT_SIGNALING _PATHWAY					
SIZE	ES	NES	NOM p-val	FDR q-val	RANK AT MAX
79	-0.379	-1.706	1.01E-03	5.45E-02	1393
GENE SYMBOL	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES		
IFNGR2	8661	-1.121	-0.365		
CSF2RA	8768	-1.167	-0.361		
CISH	8779	-1.172	-0.347		
CBLC	8801	-1.19	-0.335		
IFNGR1	9064	-1.361	-0.344		
PIK3R3	9083	-1.373	-0.328		
IL28RA	9102	-1.383	-0.313		
OSMR	9180	-1.44	-0.302		
STAT6	9236	-1.497	-0.289		
TSLP	9411	-1.67	-0.286		
CSF2	9587	-1.883	-0.280		
PIK3R1	9593	-1.894	-0.256		
PIK3CG	9649	-1.995	-0.237		
OSM	9809	-2.32	-0.224		
STAT3	9827	-2.376	-0.196		
SOCS2	9851	-2.458	-0.167		
IL6	9884	-2.56	-0.138		
SOCS3	10026	-3.885	-0.104		
IL10	10052	-8.457	0.000		
KEGG_MAPK_ SIGNALING_PATHWAY					
SIZE	ES	NES	NOM p-val	FDR q-val	RANK AT MAX
147	-0.272	-1.359	3.13E-02	2.46E-01	2094
GENE SYMBOL	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES		
RELA	7960	-0.808	-0.266		
FAS	7981	-0.816	-0.263		
MAPK11	8023	-0.834	-0.261		
RPS6KA3	8026	-0.835	-0.256		
TGFB3	8167	-0.891	-0.264		
CACNB4	8192	-0.900	-0.260		
PPP3CA	8253	-0.919	-0.260		
TGFBR2	8338	-0.964	-0.262		
PRKCA	8440	-1.005	-0.265		
HSPB1	8451	-1.011	-0.259		

GENE SYMBOL	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES		
FGF1	8492	-1.034	-0.256		
MAP3K1	8526	-1.050	-0.252		
DUSP7	8551	-1.063	-0.247		
DAXX	8600	-1.087	-0.245		
CACNB1	8706	-1.143	-0.247		
STK4	8723	-1.149	-0.241		
CDC42	8872	-1.240	-0.247		
BDNF	9028	-1.336	-0.254		
PPP3CC	9055	-1.355	-0.247		
MAP3K8	9093	-1.378	-0.242		
DUSP8	9115	-1.391	-0.234		
PRKACB	9129	-1.405	-0.226		
TGFB2	9259	-1.519	-0.228		
TNF	9295	-1.561	-0.221		
NTRK2	9307	-1.567	-0.212		
JUN	9375	-1.630	-0.207		
RASGRP1	9390	-1.654	-0.197		
PDGFRA	9529	-1.799	-0.199		
HSPA1A	9581	-1.873	-0.191		
CACNA1H	9661	-2.008	-0.185		
PRKX	9671	-2.028	-0.172		
CD14	9726	-2.112	-0.163		
MAPK8	9770	-2.202	-0.152		
RAP1B	9779	-2.229	-0.138		
GADD45B	9844	-2.416	-0.128		
IL1B	9875	-2.537	-0.113		
IL1R2	9889	-2.593	-0.097		
FOS	9891	-2.611	-0.079		
MAP3K6	9893	-2.622	-0.061		
DUSP1	9894	-2.622	-0.043		
NFATC4	9921	-2.706	-0.027		
FGF7	9956	-2.917	-0.011		
MAP2K5	9960	-2.937	0.009		

KEGG_CELL_CYCLE

SIZE	ES	NES	NOM p-val	FDR q-val	RANK AT MAX
87	0.362	1.466	1.58E-02	1.92E-01	3241

GENE SYMBOL	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES		
CDKN2D	18	4.314	0.050		
BUB1B	148	2.966	0.072		
CCND1	177	2.843	0.103		
CDKN2B	206	2.739	0.133		
CDKN1A	266	2.566	0.158		
CDC25C	369	2.374	0.176		
E2F3	423	2.275	0.198		
CDKN2A	476	2.208	0.219		
CCNB1	653	1.994	0.225		
RBL1	806	1.848	0.232		
E2F4	883	1.785	0.246		
ZBTB17	886	1.783	0.267		
CDC6	898	1.775	0.287		
SKP2	971	1.717	0.300		

TFDP2	1163	1.594	0.300		
ESPL1	1172	1.583	0.318		
ATM	1284	1.519	0.325		
CHEK2	1407	1.451	0.330		
YWHAZ	1418	1.445	0.346		
ANAPC7	1570	1.367	0.348		
CCNE1	1897	1.208	0.329		
STAG1	1918	1.199	0.342		
E2F2	2053	1.143	0.342		
CDC7	2105	1.124	0.350		
ANAPC4	2299	1.058	0.343		
FZR1	2445	1.005	0.341		
YWHAE	2550	0.969	0.342		
SMAD2	2566	0.962	0.352		
CDC20	2595	0.953	0.361		
CUL1	2937	0.833	0.336		
RBX1	2985	0.815	0.341		
MCM2	2986	0.815	0.351		
ANAPC5	3069	0.786	0.352		
CDC25A	3188	0.743	0.349		
MAD2L2	3209	0.734	0.356		
PLK1	3241	0.723	0.362		
KEGG_ECM_RECEPTOR_ INTERACTION					
SIZE	**ES**	**NES**	**NOM p-val**	**FDR q-val**	**RANK AT MAX**
51	-0.479	-1.996	0.00E+00	9.07E-03	2206
GENE SYMBOL	**RANK IN GENE LIST**	**RANK METRIC SCORE**	**RUNNING ES**		
SDC3	7848	-0.762	-0.462		
COL6A1	8013	-0.830	-0.459		
SV2A	8144	-0.882	-0.452		
ITGA11	8330	-0.958	-0.449		
RELN	8437	-1.005	-0.437		
CD47	8530	-1.052	-0.422		
HSPG2	8592	-1.084	-0.403		
COL4A2	8818	-1.204	-0.399		
TNXB	8870	-1.237	-0.376		
COL4A1	9051	-1.351	-0.363		
COL2A1	9070	-1.365	-0.334		
COL5A1	9117	-1.392	-0.307		
TNC	9393	-1.655	-0.297		
ITGB5	9423	-1.677	-0.261		
LAMC3	9443	-1.697	-0.225		
SV2B	9528	-1.798	-0.192		
SDC1	9610	-1.930	-0.157		
THBS2	9622	-1.943	-0.114		
VTN	9638	-1.974	-0.070		
COMP	9787	-2.258	-0.034		
LAMB2	9906	-2.649	0.015		

Supplementary table 2 Antibody arrays from myoblasts grown on FN or Col. Protein lysates from mouse MuSC derived myoblasts were grown on either Col or FN. Signals obtained for phospho-specific antibodies were normalized to the signal obtained from the respective pan antibodies. Values represent the percent change observed in cells on FN when compared to Col. Percent change was calculated from the means of *n* = 3 replicate arrays for FN and Col. A cut off of at least 10 % change was applied.

Phoshpo-specific antibody	Pan antibody	% change on FN (after normalization to pan antibody)
14-3-3 beta/zeta (Phospho-Ser184/186)	14-3-3 beta/zeta (Ab-184/186)	-23
AurA (Phospho-Ser342)	AurA (Ab-342)	-24
BAD (Phospho-Ser134)	BAD (Ab-134)	-15
CaMK2A (Phospho-Thr286)	CaMK2A (Ab-286)	-30
CDK1/CDC2 (Phospho-Thr14)	CDK1/CDC2 (Ab-14)	16
Chk1 (Phospho-Ser301)	Chk1 (Ab-286)	-22
Chk2 (Phospho-Ser516)	Chk2 (Ab-516)	-33
Cyclin B1 (Phospho-Ser147)	Cyclin B1 (Ab-147)	-26
DYN1 (Phospho-Ser774)	DYN1 (Ab-774)	61
eIF4E (Phospho-Ser209)	eIF4E (Ab-209)	-26
eNOS (Phospho-Ser1177)	eNOS (Ab-1177)	-22
EPHA2/3/4 (Phospho-Tyr588/596)	EPHA2/3/4 (Ab-588/596)	-21
Ezrin (Phospho-Thr566)	Ezrin (Ab-566)	54
FAK (Phospho-Tyr397)	FAK (Ab-397)	-26
FKHR/FOXO1A (Phospho-Ser329)	FKHR/FOXO1A (Ab-329)	18
FKHRL1/FOXO3A (Phospho-Ser253)	FKHRL1/FOXO3A (Ab-253)	-20
Gab2 (Phospho-Tyr643)	Gab2 (Ab-623)	-40
GSK3 beta (Phospho-Ser9)	GSK3 beta (Ab-9)	43
HDAC3 (Phospho-Ser424)	HDAC3 (Ab-424)	50
HDAC5 (Phospho-Ser259)	HDAC5 (Ab-259)	42
HER2 (Phospho-Tyr1248)	HER2 (Ab-1248)	-24
HER3/ErbB3 (Phospho-Tyr1289)	HER3/ErbB3 (Ab-1289)	32
IKK-alpha/beta (Phospho-Ser180/181)	IKK-alpha/beta (Ab-180/181)	65
Integrin beta-1 (Phospho-Thr788)	Integrin beta-1 (Ab-788)	-21
Lamin A/C (Phospho-Ser392)	Lamin A/C (Ab-392)	-30
LKB1 (Phospho-Ser428)	LKB1 (Ab-428)	-31
LKB1 (Phospho-Thr189)	LKB1 (Ab-189)	-32
LYN (Phospho-Tyr507)	LYN (Ab-507)	-39
MAP3K8/COT (Phospho-Thr290)	MAP3K8/COT (Ab-290)	13
MARCKS (Phospho-Ser163)	MARCKS (Ab-163)	-16

M-CSF Receptor (Phospho-Tyr809)	M-CSF Receptor (Ab-809)	-17
MEK2 (Phospho-Thr394)	MEK2 (Ab-394)	58
MKK7/MAP2K7 (Phospho-Ser271)	MKK7/MAP2K7 (Ab-271)	17
MSK1 (Phospho-Ser360)	MSK1 (Ab-360)	-44
MSK1 (Phospho-Thr581)	MSK1 (Ab-581)	-24
mTOR (Phospho-Ser2448)	mTOR (Ab-2448)	-14
mTOR (Phospho-Ser2481)	mTOR (Ab-2481)	-29
Myc (Phospho-Ser373)	Myc (Ab-373)	-32
NFkB-p105/p50 (Phospho-Ser893)	NFkB-p105/p50 (Ab-893)	-17
NFkB-p105/p50 (Phospho-Ser927)	NFkB-p105/p50 (Ab-927)	21
NFkB-p65 (Phospho-Ser529)	NFkB-p65 (Ab-529)	-20
p130Cas (Phospho-Tyr165)	p130Cas (Ab-165)	-10
p27Kip1 (Phospho-Thr187)	p27Kip1 (Ab-187)	57
p38 MAPK (Phospho-Tyr322)	p38 MAPK (Ab-322)	-33
p53 (Phospho-Ser20)	p53 (Ab-20)	12
p53 (Phospho-Ser46)	p53 (Ab-46)	-11
P70S6K (Phospho-Ser411)	P70S6K (Ab-411)	11
P90RSK (Phospho-Thr359/Ser363)	P90RSK (Ab-359/363)	-51
PDGFR beta (Phospho-Tyr1021)	PDGFR beta (Ab-1021)	-26
PKC alpha/beta II (Phospho-Thr638)	PKC alpha/beta II (Ab-638)	-27
PKD1/PKC mu (Phospho-Ser910)	PKD1/PKC mu (Ab-910)	-25
PKD1/PKC mu (Phospho-Tyr463)	PKD1/PKC mu (Ab-463)	-17
Pyk2 (Phospho-Tyr402)	Pyk2 (Ab-402)	-15
Raf1 (Phospho-Ser296)	Raf1 (Ab-296)	-35
Raf1 (Phospho-Ser621)	Raf1 (Ab-621)	10
Raf1 (Phospho-Tyr341)	Raf1 (Ab-341)	13
S6 Ribosomal Protein (Phospho-Ser235)	S6 Ribosomal Protein (Ab-235)	-13
Smad3 (Phospho-Thr179)	Smad3 (Ab-179)	38
Synapsin (Phospho-Ser62)	Synapsin (Ab-62)	16
Synaptotagmin (Phospho-Ser309)	Synaptotagmin (Ab-309)	-10
Tau (Phospho-Thr205)	Tau (Ab-205)	61
Tuberin/TSC2 (Phospho-Thr1462)	Tuberin/TSC2 (Ab-1462)	36
VEGFR2 (Phospho-Tyr1175)	VEGFR2 (Ab-1175)	-28
VEGFR2 (Phospho-Tyr1214)	VEGFR2 (Ab-1214)	-19

Supplementary table 3 Microarray analysis of myoblasts grown on FN or Col. Mouse MuSC derived primary cells grown on either Col or FN for 72 h. Genes were selected based on a minimal log2-fold change of 0.5 and a Benjamini-Hochberg adjusted p-value of < 0.05. Data represents the mean of *n* = 3 microarray replicates per condition. Genes upregulated on FN have a positive log2-fold change, genes downregulated by FN have a negative log2-fold change.

Probe ID	Log fold change	Adjusted p value	Gene symbol	Entrez ID
1420344_x_at	2.41	1.71E-05	Gzmd	14941
1420343_at	2.20	6.17E-06	Gzmd	14941
1455627_at	2.12	1.30E-05	Col8a1	12837
1419706_a_at	1.85	9.80E-06	Akap12	83397
1435888_at	1.83	9.80E-06	Egfr	13649
1424932_at	1.67	1.30E-05	Egfr	13649
1416077_at	1.55	2.72E-05	Adm	11535
1453282_at	1.54	2.37E-05	Cxadr	13052
1449340_at	1.51	1.40E-05	Sostdc1	66042
1426243_at	1.45	3.30E-05	Cth	107869
1439897_at	1.44	1.71E-05	Nebl	74103
1438452_at	1.44	2.99E-05	Nebl	74103
1436719_at	1.43	3.13E-05	Slc35f1	215085
1416779_at	1.41	8.87E-05	Sdpr	20324
1460302_at	1.38	2.66E-04	Thbs1	21825
1460250_at	1.37	2.76E-05	Sostdc1	66042
1450387_s_at	1.37	2.68E-05	Ak4	11639
1418440_at	1.37	2.91E-05	Col8a1	12837
1421856_at	1.36	4.15E-05	S100a3	20197
1447839_x_at	1.36	1.93E-04	Adm	11535
1416740_at	1.35	2.26E-05	Col5a1	12831
1427321_s_at	1.34	2.89E-05	Cxadr	13052
1455400_at	1.32	3.61E-05	Ddah1	69219
1416554_at	1.32	2.76E-05	Pdlim1	54132
1460215_at	1.30	1.42E-04	Polr1a	20019
1419675_at	1.29	3.55E-04	Ngf	18049
1421830_at	1.28	1.61E-04	Ak4	11639
1443832_s_at	1.28	8.69E-05	Sdpr	20324
1429443_at	1.27	2.76E-05	Cpne4	74020
1437671_x_at	1.27	5.65E-04	Prss23	76453
1450871_a_at	1.26	5.77E-05	Bcat1	12035
1421426_at	1.24	4.49E-04	Hhip	15245
1435767_at	1.23	8.87E-05	Scn3b	235281

1426010_a_at	1.23	7.48E-05	Epb4.1l3	13823
1448021_at	1.22	2.01E-04	Fam46c	74645
1431057_a_at	1.20	3.57E-05	Prss23	76453
1450783_at	1.19	3.89E-03	Ifit1	15957
1454995_at	1.19	1.21E-04	Ddah1	69219
1456523_at	1.19	5.77E-05	Gm2115	100039239
1438133_a_at	1.19	1.62E-04	Cyr61	16007
1430111_a_at	1.18	1.88E-04	Bcat1	12035
1416778_at	1.17	1.05E-04	Sdpr	20324
1421278_s_at	1.17	1.69E-04	Spta1	20739
1441030_at	1.17	2.88E-04	Rai14	75646
1435014_at	1.17	4.88E-04	Rab39b	67790
1422890_at	1.16	4.84E-04	Pcdh18	73173
1442340_x_at	1.16	5.12E-04	Cyr61	16007
1429298_at	1.16	5.81E-05	Ddah1	69219
1419062_at	1.15	6.82E-05	Epb4.1l3	13823
1422889_at	1.14	4.83E-05	Pcdh18	73173
1455277_at	1.14	8.95E-05	Hhip	15245
1416039_x_at	1.13	1.14E-04	Cyr61	16007
1415832_at	1.10	2.64E-04	Agtr2	11609
1435955_at	1.10	8.31E-04	Siglecg	243958
1425155_x_at	1.09	5.62E-04	Csf1	12977
1450377_at	1.08	7.53E-04	Thbs1	21825
1456344_at	1.07	1.10E-03	Tnc	21923
1435338_at	1.06	7.73E-05	Cdk6	12571
1450171_x_at	1.06	8.99E-05	Gzme	14942
1415978_at	1.06	3.07E-04	Tubb3	22152
1454224_at	1.06	1.60E-04	2010300F17Rik	69884
1423747_a_at	1.06	2.66E-04	Pdk1	228026
1420938_at	1.05	5.74E-04	Hs6st2	50786
1455299_at	1.03	2.11E-04	Vgll3	73569
1434479_at	1.02	9.30E-05	Col5a1	12831
1450005_x_at	1.01	2.24E-04	Dlk2	106565
1441824_at	1.00	7.28E-04	Mboat1	218121
1434678_at	1.00	4.88E-04	Mbnl3	171170
1448288_at	1.00	1.76E-04	Nfib	18028
1453125_at	1.00	1.62E-04	Sox11	20666
1457823_at	0.99	4.90E-04	Cyr61	16007
1442595_at	0.99	1.11E-04	Gm2115	100039239
1453646_at	0.98	5.96E-04	3110005L21Rik	73104
1427256_at	0.98	1.84E-04	Vcan	13003
1451038_at	0.97	3.09E-04	Apln	30878
1435323_a_at	0.96	1.89E-04	Mboat1	218121
1454877_at	0.96	1.42E-04	Sertad4	214791
1460555_at	0.95	6.72E-04	Fam65b	193385

1460330_at	0.95	1.69E-04	Anxa3	11745
1448557_at	0.95	1.00E-03	Fam13c	71721
1416357_a_at	0.95	1.05E-03	Mcam	84004
1436552_at	0.94	8.77E-04	Jakmip2	76217
1454780_at	0.94	4.05E-04	Galnt18	233733
1434645_at	0.93	4.88E-04	C530008M17Rik	320827
1453593_at	0.93	2.87E-04	Vgll3	73569
1435207_at	0.93	1.43E-04	Dixdc1	330938
1420807_a_at	0.93	2.99E-04	Dlk2	106565
1430596_s_at	0.92	5.04E-04	Vgll3	73569
1460666_a_at	0.92	3.33E-04	Ebf3	13593
1418773_at	0.92	4.63E-04	Fads3	60527
1454834_at	0.90	2.93E-04	Nfib	18028
1427680_a_at	0.90	5.04E-04	Nfib	18028
1416022_at	0.90	2.27E-04	Fabp5	16592
1455699_at	0.90	7.75E-04	Bcat1	12035
1423294_at	0.90	2.95E-04	Mest	17294
1418379_s_at	0.90	9.81E-04	Gpr124	78560
1448594_at	0.90	2.33E-04	Wisp1	22402
1454674_at	0.89	4.79E-04	Fez1	235180
1418808_at	0.89	2.64E-04	Rdh5	19682
1417156_at	0.89	2.54E-04	Krt19	16669
1435265_at	0.89	2.66E-04	Fbxo32	67731
1421694_a_at	0.88	4.10E-04	Vcan	13003
1455287_at	0.88	1.93E-04	Cdk6	12571
1449314_at	0.88	6.78E-04	Zfpm2	22762
1423505_at	0.87	2.72E-03	Tagln	21345
1449145_a_at	0.87	2.95E-04	Cav1	12389
1448931_at	0.87	1.78E-03	F2rl1	14063
1424292_at	0.87	6.86E-04	Depdc1a	76131
1435910_at	0.87	6.75E-04	Fads3	60527
1416715_at	0.86	1.11E-03	Gjb3	14620
1416342_at	0.86	2.27E-04	Tnc	21923
1429372_at	0.85	3.07E-04	Sox11	20666
1434052_at	0.85	1.62E-02	AI593442	330941
1440083_at	0.85	1.48E-03	A430061O12Rik	319285
1434102_at	0.85	7.97E-04	Nfib	18028
1449297_at	0.85	6.94E-04	Casp12	12364
1433509_s_at	0.84	8.36E-04	Reep1	52250
1418981_at	0.84	4.86E-04	Casp12	12364
1453002_at	0.83	5.45E-04	Sox11	20666
1454969_at	0.83	4.00E-03	Lypd6	320343
1429051_s_at	0.83	4.03E-04	Sox11	20666
1428136_at	0.83	5.04E-04	Sfrp1	20377
1451064_a_at	0.83	5.04E-04	Psat1	107272

1435750_at	0.83	1.02E-03	Gchfr	320415
1424793_a_at	0.83	2.42E-03	Pbp2	76400
1448914_a_at	0.83	6.55E-04	Csf1	12977
1417300_at	0.83	4.88E-04	Smpdl3b	100340
1417576_a_at	0.83	9.22E-04	Otub2	68149
1428492_at	0.82	3.67E-04	Glipr2	384009
1434777_at	0.82	6.87E-04	Mycl	16918
1416043_at	0.82	8.13E-04	Nasp	50927
1453321_at	0.82	9.70E-03	Fndc1	68655
1450047_at	0.82	5.68E-04	Hs6st2	50786
1421277_at	0.82	6.98E-04	Spta1	20739
1433776_at	0.81	4.42E-03	Lhfp	108927
1422742_at	0.81	1.96E-03	Hivep1	110521
1436545_at	0.81	8.29E-04	Dtx4	207521
1440595_at	0.81	9.74E-04	Epb4.1l3	13823
1424542_at	0.81	4.88E-04	S100a4	20198
1455324_at	0.80	2.78E-03	Plcxd2	433022
1454649_at	0.80	1.60E-03	Srd5a1	78925
1455421_x_at	0.80	7.16E-03	Fam131b	76156
1454672_at	0.79	4.49E-04	Nefl	18039
1426319_at	0.79	7.79E-04	Pdgfd	71785
1454607_s_at	0.79	5.97E-04	Psat1	107272
1433919_at	0.78	1.66E-03	Asb4	65255
1454857_at	0.78	6.87E-04	Rnf122	68867
1457707_at	0.77	6.02E-04	Mctp2	244049
1436000_a_at	0.77	4.67E-04	Skp2	27401
1419149_at	0.77	1.11E-03	Serpine1	18787
1417575_at	0.77	8.77E-04	Otub2	68149
1419513_a_at	0.77	8.04E-04	Ect2	13605
1423748_at	0.77	4.88E-04	Pdk1	228026
1439018_at	0.76	8.87E-04	Fhdc1	229474
1436739_at	0.76	5.04E-04	Agtr1a	11607
1434240_at	0.75	8.78E-04	Ddias	74041
1426658_x_at	0.75	7.70E-04	Phgdh	236539
1421344_a_at	0.75	6.18E-04	Ajuba	16475
1422909_at	0.75	2.46E-03	Smc6	67241
1432517_a_at	0.75	1.30E-03	Nnmt	18113
1455991_at	0.75	6.62E-04	Ccbl2	229905
1438404_at	0.75	1.04E-03	Rnf144a	108089
1438756_at	0.74	3.10E-03	Ankrd29	225187
1444290_at	0.74	8.04E-04	Steap2	74051
1452751_at	0.74	7.27E-04	Ebf3	13593
1452115_a_at	0.73	8.04E-04	Plk4	20873
1426255_at	0.73	7.87E-04	Nefl	18039
1423516_a_at	0.73	2.48E-03	Nid2	18074

1452818_at	0.73	9.09E-04	Ttf2	74044
1442077_at	0.73	8.31E-04	2310076G05Rik	76963
1435191_at	0.73	5.36E-03	Cdsn	386463
1418969_at	0.73	9.70E-03	Skp2	27401
1435701_at	0.73	1.53E-03	Cyyr1	224405
1435521_at	0.73	3.52E-03	Msi2	76626
1428706_at	0.73	1.52E-03	Cenpv	73139
1430685_at	0.73	9.04E-04	Fam131b	76156
1434856_at	0.72	2.91E-02	Ankrd44	329154
1456225_x_at	0.72	1.69E-02	Trib3	228775
1435486_at	0.72	2.68E-03	Pak3	18481
1452361_at	0.72	1.38E-03	Rnf20	109331
1424801_at	0.72	7.33E-04	Enah	13800
1418126_at	0.72	5.51E-03	Ccl5	20304
1434153_at	0.72	7.06E-04	Shb	230126
1449949_a_at	0.72	4.46E-03	Cxadr	13052
1448593_at	0.72	9.48E-04	Wisp1	22402
1427931_s_at	0.71	8.93E-03	Pdxk	216134
1450157_a_at	0.71	9.02E-04	Hmmr	15366
1418723_at	0.71	2.52E-03	Lpar3	65086
1429734_at	0.71	1.72E-03	Ddias	74041
1424938_at	0.71	1.25E-03	Steap1	70358
1450700_at	0.71	1.73E-03	Cdc42ep3	260409
1440770_at	0.71	2.49E-03	Bcl2	12043
1430535_at	0.71	9.21E-04	Tsc22d2	72033
1432826_a_at	0.71	5.97E-03	Cd80	12519
1452803_at	0.71	1.01E-03	Glipr2	384009
1436585_at	0.71	3.59E-03	BB182297	99463
1451418_a_at	0.70	2.76E-03	Spsb4	211949
1415848_at	0.70	8.56E-04	Prl3d1	18775
1432013_a_at	0.70	2.18E-03	Mtfr2	71804
1455877_a_at	0.70	3.61E-03	Nanos1	332397
1437933_at	0.70	1.11E-02	Hhip	15245
1433965_at	0.70	2.24E-03	Atp8a1	11980
1448681_at	0.70	2.09E-03	Il15ra	16169
1450886_at	0.70	1.53E-03	Gsg2	14841
1429172_a_at	0.70	7.93E-04	Ncapg	54392
1438802_at	0.69	3.95E-03	Foxp1	108655
1453332_at	0.69	8.42E-03	Trappc13	66975
1451794_at	0.69	8.29E-03	Tmcc3	319880
1418108_at	0.69	1.53E-03	Rtkn2	170799
1433450_at	0.69	8.92E-04	Cdk5r1	12569
1420563_at	0.69	7.13E-03	Gria3	53623
1436790_a_at	0.69	2.32E-03	Sox11	20666
1438083_at	0.68	3.50E-03	Hhip	15245

1429022_at	0.68	5.56E-03	Adcyap1r1	11517
1450223_at	0.68	4.23E-03	Apaf1	11783
1421851_at	0.68	5.37E-03	Map1b	17755
1444026_at	0.68	1.11E-02	AI593442	330941
1429658_a_at	0.68	9.66E-04	Smc2	14211
1433699_at	0.68	7.23E-03	Tnfaip3	21929
1433608_at	0.68	1.85E-03	Scfd2	212986
1452840_at	0.68	1.61E-03	1500009L16Rik	69784
1425053_at	0.68	1.06E-03	Isoc1	66307
1455197_at	0.68	2.27E-03	Rnd1	223881
1425166_at	0.68	1.93E-03	Rbl1	19650
1454708_at	0.67	1.88E-03	Ablim1	226251
1427005_at	0.67	1.86E-03	Plk2	20620
1451119_a_at	0.67	1.26E-03	Fbln1	14114
1449615_s_at	0.67	3.59E-03	Hdlbp	110611
1437935_at	0.67	1.02E-02	Mei4	75033
1430965_at	0.67	1.19E-03	9430064K01Rik	77294
1435462_at	0.66	4.00E-03	Plcxd2	433022
1424051_at	0.66	1.11E-03	Col4a2	12827
1438699_at	0.66	3.94E-03	Srd5a1	78925
1441055_at	0.66	1.77E-03	Palm2	242481
1437621_x_at	0.66	1.50E-03	Phgdh	236539
1418736_at	0.66	1.73E-03	B3galnt1	26879
1452035_at	0.66	1.58E-03	Col4a1	12826
1428349_s_at	0.66	3.98E-03	Ebf3	13593
1436731_at	0.66	1.10E-02	Zfp385b	241494
1423852_at	0.66	3.28E-03	Shisa2	219134
1451287_s_at	0.66	7.69E-03	Aif1l	108897
1452050_at	0.66	5.56E-03	Camk1d	227541
1442434_at	0.66	1.81E-03	D8Ertd82e	244418
1430427_a_at	0.66	1.34E-02	Pcdh18	73173
1454683_at	0.65	4.65E-03	Sfswap	231769
1416969_at	0.65	2.29E-03	Gtse1	29870
1450075_at	0.65	1.80E-03	Polh	80905
1424524_at	0.65	1.70E-02	Dram1	71712
1447259_at	0.65	3.43E-03	Ank3	11735
1429628_at	0.65	3.91E-03	Soga3	67412
1453683_a_at	0.65	6.41E-03	Cep55	74107
1419082_at	0.65	6.22E-03	Serpinb2	18788
1437923_at	0.65	3.89E-03	AI314760	106885
1439148_a_at	0.65	1.39E-03	Pfkl	18641
1418382_at	0.65	3.71E-03	Apcdd1	494504
1437033_a_at	0.65	1.26E-03	Skp2	27401
1421141_a_at	0.65	2.72E-03	Foxp1	108655
1437910_at	0.65	1.48E-03	Tmem39b	230770

1448943_at	0.64	3.13E-03	Nrp1	18186
1422510_at	0.64	3.89E-03	Ctdspl	69274
1449548_at	0.64	8.39E-03	Efnb2	13642
1434208_at	0.64	3.98E-03	Rnf169	108937
1435785_at	0.64	2.52E-03	Ehd2	259300
1460574_at	0.64	7.34E-03	Fat4	329628
1426990_at	0.64	1.31E-02	Cubn	65969
1425658_at	0.64	1.66E-03	Cd109	235505
1449070_x_at	0.64	7.00E-03	Apcdd1	494504
1455161_at	0.64	1.17E-02	AI504432	229694
1453053_at	0.64	1.59E-03	Cenpw	66311
1425248_a_at	0.64	1.78E-02	Tyro3	22174
1419838_s_at	0.63	1.80E-03	Plk4	20873
1456584_x_at	0.63	2.54E-03	Phgdh	236539
1454822_x_at	0.63	1.63E-03	Apcdd1	494504
1449699_s_at	0.63	4.09E-03	C330027C09Rik	224171
1448541_at	0.63	2.22E-03	Klc1	16593
1421624_a_at	0.63	2.03E-03	Enah	13800
1419254_at	0.63	3.69E-03	Mthfd2	17768
1429682_at	0.63	1.21E-02	Fam46c	74645
1420877_at	0.63	4.77E-03	Sep-06	56526
1426348_at	0.63	1.92E-03	Col4a1	12826
1441984_at	0.63	3.07E-03	Clspn	269582
1425527_at	0.63	1.84E-03	Prrx1	18933
1460336_at	0.63	1.09E-02	Ppargc1a	19017
1415673_at	0.63	5.12E-03	Psph	100678
1453227_at	0.63	3.38E-03	Rhobtb3	73296
1450269_a_at	0.62	1.53E-03	Pfkl	18641
1451246_s_at	0.62	2.27E-03	Aurkb	20877
1418157_at	0.62	3.00E-03	Nr2f1	13865
1448689_at	0.62	2.07E-03	Rras2	66922
1456711_at	0.62	4.90E-02	Maats1	320214
1454714_x_at	0.62	2.94E-03	Phgdh	236539
1438953_at	0.62	1.39E-02	Figf	14205
1433966_x_at	0.61	3.17E-03	Asns	27053
1420858_at	0.61	1.70E-03	Pkia	18767
1421072_at	0.61	9.84E-03	Irx5	54352
1416299_at	0.61	2.48E-03	Shcbp1	20419
1437858_at	0.61	3.30E-02	Dpy19l3	233115
1428636_at	0.61	3.37E-03	Steap2	74051
1451629_at	0.61	2.93E-03	Lbh	77889
1418326_at	0.61	3.49E-03	Slc7a5	20539
1434748_at	0.61	2.25E-03	Ckap2	80986
1426965_at	0.61	2.63E-03	Rap2a	76108
1420876_a_at	0.61	3.56E-03	Sep-06	56526

1436543_at	0.61	3.24E-03	Gtpbp10	207704
1449219_at	0.61	2.62E-02	Fads3	60527
1436514_at	0.60	2.48E-03	Gpc4	14735
1450541_at	0.60	3.32E-03	Pvt1	19296
1422683_at	0.60	1.63E-02	Irak1bp1	65099
1435615_at	0.60	1.45E-02	Zfp365	216049
1427436_at	0.60	2.37E-03	Six2	20472
1429660_s_at	0.60	8.05E-03	Smc2	14211
1455899_x_at	0.60	2.72E-03	Socs3	12702
1423104_at	0.60	2.52E-03	Irs1	16367
1418820_s_at	0.60	1.67E-02	Zcchc10	67966
1417785_at	0.60	1.97E-02	Pla1a	85031
1421088_at	0.60	2.01E-03	Gpc4	14735
1424511_at	0.60	2.01E-03	Aurka	20878
1423614_at	0.60	6.44E-03	Lrrc8c	100604
1423055_at	0.59	3.87E-03	Nsg1	18196
1428304_at	0.59	9.23E-03	Esco2	71988
1415904_at	0.59	2.59E-03	Lpl	16956
1431358_at	0.59	1.83E-02	Parpbp	75317
1449176_a_at	0.59	7.84E-03	Dck	13178
1448944_at	0.59	5.36E-03	Nrp1	18186
1423422_at	0.59	7.82E-03	Asb4	65255
1457687_at	0.59	3.09E-03	Bcl2	12043
1433573_x_at	0.59	2.79E-03	Prss2	22072
1423350_at	0.59	5.68E-03	Socs5	56468
1416558_at	0.59	2.25E-03	Melk	17279
1451342_at	0.59	8.38E-03	Spon1	233744
1417240_at	0.59	2.28E-03	Zyx	22793
1451095_at	0.59	4.71E-03	Asns	27053
1424875_at	0.59	8.24E-03	Spg20	229285
1456424_s_at	0.59	4.45E-03	Pltp	18830
1436858_at	0.59	3.37E-03	Mbnl2	105559
1452682_at	0.59	4.88E-03	Fam122b	78755
1428279_a_at	0.58	1.64E-02	Atxn7l1	380753
1432022_at	0.58	2.79E-03	Arhgap31	12549
1436194_at	0.58	5.48E-03	Prelid2	77619
1416072_at	0.58	1.72E-02	Cd34	12490
1454927_at	0.58	1.11E-02	Zfp41	22701
1448132_at	0.58	5.12E-03	Slc19a1	20509
1421917_at	0.58	5.29E-03	Pdgfra	18595
1436309_at	0.58	3.88E-03	Neto2	74513
1420859_at	0.58	2.49E-03	Pkia	18767
1426621_a_at	0.58	7.11E-03	Ppp2r2b	72930
1430634_a_at	0.58	7.18E-03	Pfkp	56421
1429637_at	0.58	7.95E-03	Fam198b	68659

1452315_at	0.58	4.86E-03	Kif11	16551
1422540_at	0.58	3.24E-03	Fbln1	14114
1417511_at	0.58	3.51E-03	Lyar	17089
1422642_at	0.58	4.93E-03	Cdc42ep3	260409
1439833_at	0.58	3.75E-03	Sep-03	24050
1424556_at	0.58	6.30E-03	Pycr1	209027
1418377_a_at	0.58	2.78E-03	Siva1	30954
1457042_at	0.57	5.99E-03	AI256396	100503463
1437549_at	0.57	2.61E-03	2810408I11Rik	69941
1435554_at	0.57	7.21E-03	Tmcc3	319880
1452458_s_at	0.57	8.38E-03	Lrr1	69706
1417911_at	0.57	2.87E-03	Ccna2	12428
1436826_at	0.57	4.38E-03	Tmtc3	237500
1429049_at	0.57	2.94E-03	Nuak2	74137
1431430_s_at	0.57	4.88E-03	Trim59	66949
1436648_at	0.57	2.91E-02	Nanos1	332397
1433623_at	0.57	1.75E-02	Zfp367	238673
1429871_at	0.57	3.47E-02	Hmmr	15366
1460247_a_at	0.57	3.50E-03	Skp2	27401
1434728_at	0.57	6.17E-03	Gria3	53623
1417963_at	0.57	1.70E-02	Pltp	18830
1420988_at	0.57	1.09E-02	Polh	80905
1426519_at	0.57	6.64E-03	P4ha1	18451
1453012_at	0.57	3.59E-03	Tsc22d2	72033
1451532_s_at	0.57	3.01E-03	Steap1	70358
1443807_x_at	0.57	7.09E-03	Ccnf	12449
1428069_at	0.57	4.43E-03	Cdca7	66953
1459749_s_at	0.57	1.22E-02	Fat4	329628
1428480_at	0.57	2.77E-03	Cdca8	52276
1421349_x_at	0.57	1.19E-02	Cend1	57754
1418919_at	0.56	2.94E-03	Sgol1	72415
1455523_at	0.56	1.03E-02	Cstf2	108062
1439740_s_at	0.56	5.52E-03	Uck2	80914
1425850_a_at	0.56	4.29E-03	Nek6	59126
1425293_a_at	0.56	7.95E-03	Zcchc18	66995
1426580_at	0.56	4.00E-03	Plk4	20873
1452270_s_at	0.56	7.21E-03	Cubn	65969
1448754_at	0.56	5.01E-03	Rbp1	19659
1415836_at	0.56	5.37E-03	Aldh18a1	56454
1416701_at	0.56	3.58E-03	Rnd3	74194
1423524_at	0.56	8.38E-03	Mastl	67121
1416741_at	0.56	7.10E-03	Col5a1	12831
1434423_at	0.56	7.00E-03	Gulp1	70676
1429088_at	0.56	5.03E-03	Lbh	77889
1425753_a_at	0.56	4.05E-03	Ung	22256

1448961_at	0.56	5.71E-03	Plscr2	18828
1428615_at	0.56	4.57E-03	Lpar6	67168
1455711_at	0.56	3.50E-03	Dtx4	207521
1446560_at	0.56	9.30E-03	Prss23	76453
1416042_s_at	0.56	3.51E-03	Nasp	50927
1434116_at	0.55	5.54E-03	Cbx2	12416
1415829_at	0.55	1.22E-02	Lbr	98386
1424800_at	0.55	4.14E-03	Enah	13800
1431074_a_at	0.55	2.46E-02	Pitpnc1	71795
1418617_x_at	0.55	9.90E-03	Clgn	12745
1423813_at	0.55	4.81E-03	Kif22	110033
1460741_x_at	0.55	2.14E-02	D17Wsu92e	224647
1437753_at	0.55	8.62E-03	Faxc	76132
1431056_a_at	0.55	4.87E-03	Lpl	16956
1450625_at	0.55	1.82E-02	Col5a2	12832
1449708_s_at	0.55	4.01E-03	Chek1	12649
1451602_at	0.55	6.64E-03	Snx6	72183
1455888_at	0.55	6.85E-03	Lingo2	242384
1429299_at	0.55	2.69E-02	Ddah1	69219
1453783_at	0.55	2.00E-02	Pura	19290
1417976_at	0.55	5.41E-03	Ada	11486
1454745_at	0.55	3.32E-03	Arhgap29	214137
1430030_at	0.55	5.17E-03	5330426P16Rik	68190
1427313_at	0.55	1.04E-02	Ptgir	19222
1454904_at	0.55	1.38E-02	Mtm1	17772
1424046_at	0.55	6.44E-03	Bub1	12235
1428861_at	0.55	3.63E-03	Filip1l	78749
1430154_at	0.55	6.15E-03	Vps13a	271564
1435597_at	0.55	3.56E-03	Atad5	237877
1426872_at	0.55	4.32E-03	Fcgbp	215384
1417164_at	0.55	6.02E-03	Dusp10	63953
1436119_at	0.55	2.23E-02	Aldh1l2	216188
1434601_at	0.55	1.64E-02	Amigo2	105827
1421142_s_at	0.55	1.63E-02	Foxp1	108655
1421317_x_at	0.55	9.03E-03	Myb	17863
1422135_at	0.55	1.04E-02	Zfp146	26465
1422814_at	0.54	4.25E-03	Aspm	12316
1428485_at	0.54	1.94E-02	Car12	76459
1434911_s_at	0.54	6.77E-03	Arhgap19	71085
1431893_a_at	0.54	4.62E-03	Pdss1	56075
1448660_at	0.54	5.29E-03	Arhgdig	14570
1458427_at	0.54	4.33E-03	Brip1	237911
1431101_a_at	0.54	8.38E-03	Srd5a1	78925
1456077_x_at	0.54	7.13E-03	Cdc25c	12532
1439040_at	0.54	8.97E-03	Cenpe	229841

1436725_at	0.54	7.26E-03	Arhgef39	230098
1456395_at	0.54	3.96E-02	Ppargc1a	19017
1425837_a_at	0.54	5.42E-03	Ccrn4l	12457
1422546_at	0.54	4.88E-03	Ilf3	16201
1430150_at	0.54	2.00E-02	Dcp2	70640
1439012_a_at	0.54	8.78E-03	Dck	13178
1433974_at	0.54	3.61E-03	Sephs1	109079
1450496_a_at	0.54	3.67E-03	Ska1	66468
1416432_at	0.54	5.17E-03	Pfkfb3	170768
1422535_at	0.54	4.14E-03	Ccne2	12448
1460602_at	0.54	6.88E-03	Dlc1	50768
1455852_at	0.54	4.11E-03	Nsl1	381318
1442134_at	0.54	5.80E-03	Prr11	270906
1419083_at	0.54	6.32E-03	Tnfsf11	21943
1449061_a_at	0.54	4.97E-03	Prim1	19075
1418027_at	0.54	9.62E-03	Exo1	26909
1428207_at	0.54	5.92E-03	Bcl7a	77045
1427498_a_at	0.53	7.23E-03	Spag5	54141
1447547_at	0.53	8.88E-03	Ltbp1	268977
1436037_at	0.53	6.59E-03	Itga4	16401
1418380_at	0.53	1.56E-02	Terf1	21749
1427940_s_at	0.53	8.93E-03	Mycbp	56309
1437333_x_at	0.53	6.88E-03	Aldh18a1	56454
1453293_a_at	0.53	9.42E-03	2810408A11Rik	70419
1428921_at	0.53	1.01E-02	Mplkip	66308
1435222_at	0.53	1.09E-02	Foxp1	108655
1421172_at	0.53	5.98E-03	Adam12	11489
1424959_at	0.53	1.20E-02	Anxa13	69787
1426117_a_at	0.53	4.45E-03	Slc19a2	116914
1438434_at	0.53	5.68E-03	Arhgap11a	228482
1451419_at	0.53	6.42E-03	Spsb4	211949
1439049_at	0.53	3.88E-03	Dph5	69740
1434756_at	0.53	5.21E-03	5430421B17	330593
1425154_a_at	0.53	9.03E-03	Csf1	12977
1424128_x_at	0.53	7.00E-03	Aurkb	20877
1425051_at	0.53	3.12E-02	Isoc1	66307
1415917_at	0.53	6.13E-03	Mthfd1	108156
1440050_at	0.53	8.68E-03	Hbs1l	56422
1424594_at	0.53	1.06E-02	Samd4	74480
1416258_at	0.53	4.65E-03	Tk1	21877
1422252_a_at	0.53	4.81E-03	Cdc25c	12532
1421291_at	0.53	5.83E-03	Il18rap	16174
1442359_at	0.53	4.12E-03	Steap2	74051
1453343_s_at	0.53	8.38E-03	Vrk2	69922
1434364_at	0.53	2.33E-02	Map3k14	53859

1420707_a_at	0.52	1.84E-02	Traip	22036
1419301_at	0.52	1.78E-02	Fzd4	14366
1453985_at	0.52	8.29E-03	Ercc6l2	76251
1426363_x_at	0.52	6.61E-03	H2afy2	404634
1458480_at	0.52	1.05E-02	Topbp1	235559
1455242_at	0.52	7.77E-03	Foxp1	108655
1437325_x_at	0.52	6.61E-03	Aldh18a1	56454
1455820_x_at	0.52	5.88E-03	Scarb1	20778
1422437_at	0.52	4.78E-03	Col5a2	12832
1444583_at	0.52	8.88E-03	Nasp	50927
1434809_at	0.52	9.70E-03	Arhgap28	268970
1426538_a_at	0.52	5.52E-03	Trp53	22059
1425927_a_at	0.52	6.59E-03	Atf5	107503
1450920_at	0.52	4.57E-03	Ccnb2	12442
1448310_at	0.52	1.48E-02	Ick	56542
1421852_at	0.52	1.39E-02	Kcnk5	16529
1452872_at	0.52	5.29E-03	Ank3	11735
1416118_at	0.52	8.75E-03	Trim59	66949
1423714_at	0.52	5.63E-03	Asf1b	66929
1423699_at	0.52	1.63E-02	Ncaph2	52683
1419501_at	0.52	1.10E-02	Polk	27015
1444076_at	0.52	6.19E-03	Zfp81	224694
1424768_at	0.52	8.21E-03	Cald1	109624
1455070_at	0.52	4.87E-03	Dcp2	70640
1434400_at	0.52	5.10E-03	Tgif2	228839
1422979_at	0.52	1.20E-02	Suv39h2	64707
1419677_at	0.52	6.49E-03	Masp1	17174
1423771_at	0.51	5.29E-03	Prkcdbp	109042
1439774_at	0.51	8.61E-03	Prrx1	18933
1424202_at	0.51	6.44E-03	Seh1l	72124
1421746_a_at	0.51	7.51E-03	Fbxo17	50760
1430339_at	0.51	7.76E-03	Efcab11	78767
1435836_at	0.51	6.59E-03	Pdk1	228026
1435060_at	0.51	2.10E-02	Tmod2	50876
1425206_a_at	0.51	4.28E-02	Ube3a	22215
1434700_at	0.51	2.76E-02	G2e3	217558
1416155_at	0.51	5.29E-03	Hmgb3	15354
1448506_at	0.51	7.32E-03	Serpina6	12401
1421838_at	0.51	2.26E-02	Rps18	20084
1449060_at	0.51	1.33E-02	Kif2c	73804
1416124_at	0.51	9.98E-03	Ccnd2	12444
1417522_at	0.51	7.56E-03	Fbxo32	67731
1456891_at	0.51	2.43E-02	Dennd2c	329727
1435221_at	0.51	5.91E-03	Foxp1	108655
1433782_at	0.51	7.33E-03	Cldn12	64945

1434699_at	0.51	5.36E-03	G2e3	217558
1445765_at	0.51	2.13E-02	9430011C21Rik	319791
1431332_a_at	0.51	1.47E-02	Terf1	21749
1437378_x_at	0.51	5.92E-03	Scarb1	20778
1429156_at	0.51	6.75E-03	Cenpw	66311
1450842_a_at	0.51	4.88E-03	Cenpa	12615
1424186_at	0.51	1.10E-02	Ccdc80	67896
1432417_a_at	0.51	1.88E-02	Tspan2	70747
1435753_a_at	0.51	7.49E-03	Nucks1	98415
1453851_a_at	0.51	6.75E-03	Gadd45g	23882
1435132_at	0.51	2.82E-02	Disp1	68897
1453748_a_at	0.51	1.13E-02	Kif23	71819
1427541_x_at	0.51	7.54E-03	Hmmr	15366
1418026_at	0.51	5.28E-03	Exo1	26909
1449125_at	0.51	4.15E-02	Tnfaip8l1	66443
1451347_at	0.51	1.14E-02	Ino80e	233875
1450025_at	0.51	1.05E-02	Pard6g	93737
1434469_at	0.51	5.92E-03	Otud4	73945
1449207_a_at	0.51	5.15E-03	Kif20a	19348
1418815_at	0.51	1.10E-02	Cdh2	12558
1437187_at	0.51	5.43E-03	E2f7	52679
1441315_s_at	0.51	5.33E-03	Slc19a2	116914
1426640_s_at	0.51	1.13E-02	Trib2	217410
1421265_a_at	0.51	6.48E-03	Rbm38	56190
1454997_at	0.51	1.14E-02	Msrb3	320183
1436173_at	0.51	8.68E-03	Dlc1	50768
1437370_at	0.50	5.35E-03	Sgol2	68549
1459104_at	0.50	9.57E-03	Bub3	12237
1451382_at	0.50	4.42E-02	Chac1	69065
1444272_at	0.50	4.24E-02	Intu	380614
1450156_a_at	0.50	8.82E-03	Hmmr	15366
1429665_at	0.50	1.19E-02	Haus6	230376
1429557_at	0.50	1.12E-02	Mcm8	66634
1424927_at	0.50	2.05E-02	Glipr1	73690
1429171_a_at	0.50	5.33E-03	Ncapg	54392
1450397_at	0.50	8.88E-03	Map1b	17755
1417273_at	0.50	7.37E-03	Pdk4	27273
1415772_at	0.50	5.56E-03	Ncl	17975
1436723_at	0.50	1.19E-02	Cenpi	102920
1417398_at	0.50	7.23E-03	Rras2	66922
1419152_at	0.50	6.27E-03	2810417H13Rik	68026
1430332_a_at	-0.50	6.88E-03	Gusb	110006
1424652_at	-0.50	7.52E-03	Eva1a	232146
1438561_x_at	-0.50	2.15E-02	Tmem180	75146
1426477_at	-0.50	7.19E-03	Rasa1	218397

1418710_at	-0.50	2.63E-02	Cd59a	12509
1435074_at	-0.50	1.31E-02	Tmem106b	71900
1451196_at	-0.50	5.18E-03	Ypel5	383295
1455050_at	-0.50	4.74E-02	Vstm4	320736
1438993_a_at	-0.50	6.80E-03	Atp6v1d	73834
1439499_at	-0.50	1.23E-02	AA415398	433752
1448816_at	-0.50	1.46E-02	Ptgis	19223
1435967_s_at	-0.50	5.53E-03	Hibadh	58875
1426745_at	-0.50	6.51E-03	Rnasek	52898
1448233_at	-0.50	6.49E-03	Prnp	19122
1430448_at	-0.50	1.53E-02	6720418B01Rik	77892
1460234_at	-0.50	1.05E-02	Wdr81	192652
1454746_at	-0.50	7.93E-03	Plekhm1	353047
1454788_at	-0.50	5.05E-03	Arl4c	320982
1423468_at	-0.50	7.37E-03	Steap3	68428
1435467_at	-0.50	5.68E-03	Fgd6	13998
1447713_at	-0.50	5.20E-03	Tpm1	22003
1438217_at	-0.50	8.61E-03	Rbfox1	268859
1428647_at	-0.50	6.85E-03	Pbx1	18514
1446689_at	-0.51	1.89E-02	Nlrc3	268857
1438540_at	-0.51	1.49E-02	Col25a1	77018
1434559_at	-0.51	1.75E-02	Stx3	20908
1455506_at	-0.51	9.28E-03	Slc25a34	384071
1418982_at	-0.51	1.27E-02	Cebpa	12606
1422039_at	-0.51	1.76E-02	Tnfrsf22	79202
1438755_at	-0.51	1.92E-02	C80068	97810
1450027_at	-0.51	5.74E-03	Sdc3	20970
1456189_x_at	-0.51	1.45E-02	Ltbp3	16998
1436392_s_at	-0.51	1.05E-02	Tfap2c	21420
1422573_at	-0.51	6.91E-03	Ampd3	11717
1448986_x_at	-0.51	1.22E-02	Dnase2a	13423
1418097_a_at	-0.51	1.33E-02	Crlf2	57914
1429722_at	-0.51	8.75E-03	Zbtb4	75580
1451280_at	-0.51	1.04E-02	Arpp21	74100
1433589_at	-0.51	5.18E-03	Fam21	28006
1422974_at	-0.51	5.16E-03	Nt5e	23959
1434046_at	-0.51	1.70E-02	AA467197	433470
1435003_at	-0.51	7.15E-03	Pi4ka	224020
1433775_at	-0.51	5.29E-03	C77080	97130
1427186_a_at	-0.51	7.54E-03	Mef2a	17258
1432848_a_at	-0.51	5.30E-03	Frmd8	67457
1429433_at	-0.51	6.17E-03	Prrc2c	226562
1443392_at	-0.51	1.59E-02	Trpv1	193034
1421867_at	-0.51	5.49E-03	Nr3c1	14815
1431810_a_at	-0.51	4.13E-02	Tmco4	77056

1438892_at	-0.51	6.80E-03	Dep1	170624
1427535_s_at	-0.51	5.21E-03	Obsl1	98733
1417329_at	-0.51	5.39E-03	Slc23a2	54338
1432606_at	-0.51	1.99E-02	2610012C04Rik	70299
1442726_s_at	-0.51	2.92E-02	AI845619	103846
1438609_x_at	-0.51	3.55E-02	Tnni2	21953
1434115_at	-0.51	7.49E-03	Cdh13	12554
1426540_at	-0.51	7.52E-03	Endod1	71946
1426337_a_at	-0.51	8.12E-03	Tead4	21679
1429814_at	-0.51	1.09E-02	Pank1	75735
1445127_at	-0.51	1.09E-02	Ccbe1	320924
1444432_at	-0.52	1.30E-02	D330040H18Rik	320847
1438910_a_at	-0.52	5.69E-03	Stom	13830
1437545_at	-0.52	1.90E-02	Rcor1	217864
1423551_at	-0.52	1.05E-02	Cdh13	12554
1453424_at	-0.52	6.59E-03	Fyco1	17281
1423780_at	-0.52	5.78E-03	Hibadh	58875
1446741_at	-0.52	2.38E-02	Gm5463	432868
1453269_at	-0.52	2.93E-02	Unc5b	107449
1451621_at	-0.52	5.60E-03	Desi2	78825
1460409_at	-0.52	1.05E-02	Cpt1a	12894
1449006_at	-0.52	1.09E-02	Gla	11605
1451506_at	-0.52	9.12E-03	Mef2c	17260
1439450_x_at	-0.52	1.55E-02	A230046K03Rik	319277
1419652_s_at	-0.52	6.75E-03	Nkain1	67149
1418074_at	-0.52	2.00E-02	St6galnac4	20448
1452521_a_at	-0.52	4.88E-03	Plaur	18793
1426539_at	-0.52	6.19E-03	Usp11	236733
1417191_at	-0.52	7.82E-03	Dnajb9	27362
1447803_x_at	-0.52	4.74E-03	Capg	12332
1435230_at	-0.52	2.49E-02	Ankrd12	106585
1424841_s_at	-0.52	9.77E-03	Rbks	71336
1417491_at	-0.52	5.21E-03	Ctsb	13030
1430125_s_at	-0.52	1.10E-02	Pqlc1	66943
1457782_at	-0.52	1.35E-02	Tln1	21894
1441823_at	-0.52	3.14E-02	Zmiz1	328365
1436991_x_at	-0.52	6.72E-03	Gsn	227753
1452164_at	-0.52	5.43E-03	Fam134a	227298
1419003_at	-0.52	6.71E-03	Bves	23828
1427945_at	-0.52	1.55E-02	Dpyd	99586
1454159_a_at	-0.52	2.32E-02	Igfbp2	16008
1452183_a_at	-0.52	2.38E-02	Meg3	17263
1427325_s_at	-0.52	6.49E-03	Akna	100182
1440559_at	-0.52	7.15E-03	Hmga2-ps1	15365
1417701_at	-0.52	4.93E-03	Ppp1r14c	76142

1435584_at	-0.52	6.57E-03	A630033H20Rik	213438
1419516_at	-0.52	4.74E-03	Fam50a	108160
1422106_a_at	-0.52	6.45E-03	Spsb2	14794
1436889_at	-0.52	8.15E-03	Gabra1	14394
1418474_at	-0.53	5.05E-03	Emc9	85308
1415814_at	-0.53	4.14E-03	Atp6v1b2	11966
1418547_at	-0.53	1.06E-02	Tfpi2	21789
1418294_at	-0.53	7.06E-03	Epb4.1l4b	54357
1416130_at	-0.53	5.01E-03	Prnp	19122
1415812_at	-0.53	5.03E-03	Gsn	227753
1434315_at	-0.53	5.89E-03	Nipal3	74552
1424782_at	-0.53	1.11E-02	Dram2	67171
1460695_a_at	-0.53	5.23E-03	2010111I01Rik	72061
1429622_at	-0.53	5.69E-03	Cand2	67088
1426151_a_at	-0.53	3.60E-02	Stx3	20908
1416647_at	-0.53	6.11E-03	Bckdha	12039
1441930_x_at	-0.53	1.23E-02	Vat1	26949
1449014_at	-0.53	5.50E-03	Lactb	80907
1457836_at	-0.53	1.04E-02	Mfsd11	69900
1439015_at	-0.53	5.29E-03	Gfra1	14585
1444642_at	-0.53	6.72E-03	Uxs1	67883
1452702_at	-0.53	6.38E-03	Clcn7	26373
1419509_a_at	-0.53	4.79E-03	Nagk	56174
1419932_s_at	-0.53	2.54E-02	Gpr137b	83924
1436609_a_at	-0.53	5.07E-03	Lrpap1	16976
1433841_at	-0.53	6.45E-03	Ap5z1	231855
1435684_at	-0.53	5.33E-03	Abcc5	27416
1426144_x_at	-0.53	1.17E-02	Trdn	76757
1448830_at	-0.53	3.69E-03	Dusp1	19252
1433617_s_at	-0.53	5.50E-03	B4galt5	56336
1437466_at	-0.53	6.15E-03	Alcam	11658
1428150_at	-0.53	3.13E-02	Coro7	78885
1460684_at	-0.53	6.89E-03	Tm7sf2	73166
1417316_at	-0.53	4.14E-03	Acot13	66834
1427520_a_at	-0.53	4.91E-02	Myh1	17879
1425784_a_at	-0.54	5.19E-03	Olfm1	56177
1450203_at	-0.54	1.36E-02	Smyd1	12180
1460241_a_at	-0.54	5.49E-03	St3gal5	20454
1452905_at	-0.54	9.98E-03	Meg3	17263
1434709_at	-0.54	8.93E-03	Nrcam	319504
1457096_at	-0.54	3.19E-02	Bhlhe41	79362
1429958_x_at	-0.54	9.23E-03	Haghl	68977
1452595_at	-0.54	4.78E-03	Adamts4	240913
1433852_at	-0.54	4.82E-03	Kidins220	77480
1425930_a_at	-0.54	7.25E-03	Mlx	21428

1428758_at	-0.54	3.89E-03	Tmem86a	67893
1419486_at	-0.54	9.03E-03	Foxc1	17300
1436644_x_at	-0.54	3.14E-02	Tmem25	71687
1455316_x_at	-0.54	4.79E-03	BC094435	639390
1435559_at	-0.54	7.49E-03	Myo6	17920
1416455_a_at	-0.54	6.30E-03	Cryab	12955
1418425_at	-0.54	6.85E-03	Sp7	170574
1416662_at	-0.54	6.32E-03	Sardh	192166
1431836_x_at	-0.54	6.75E-03	Mamstr	74490
1424494_s_at	-0.54	1.94E-02	Flywch2	76917
1437556_at	-0.54	6.61E-03	Zfhx4	80892
1415826_at	-0.54	4.14E-03	Atp6v1h	108664
1436279_at	-0.54	4.09E-02	Slc26a7	208890
1448469_at	-0.54	2.12E-02	Nid1	18073
1450409_a_at	-0.54	4.23E-03	Slc48a1	67739
1421127_at	-0.54	5.53E-03	Tmem42	66079
1451488_at	-0.54	5.92E-03	Fitm1	68680
1417639_at	-0.54	2.80E-02	Slc22a4	30805
1435541_at	-0.54	3.89E-03	Btc	12223
1426263_at	-0.54	6.59E-03	Cadm4	260299
1438709_at	-0.54	6.72E-03	Wipi1	52639
1423653_at	-0.54	4.33E-03	Atp1a1	11928
1449038_at	-0.54	8.84E-03	Hsd11b1	15483
1433670_at	-0.54	4.62E-03	Emp2	13731
1436994_a_at	-0.54	1.60E-02	Hist1h1c	50708
1449712_s_at	-0.54	3.89E-03	Atp6v1e1	11973
1416952_at	-0.54	3.42E-03	Atp6v1d	73834
1456139_at	-0.54	9.76E-03	Airn	104103
1447929_at	-0.54	9.82E-03	Ssh3	245857
1431279_s_at	-0.54	1.06E-02	Ttll5	320244
1418537_at	-0.55	2.86E-02	Isoc2b	67441
1417552_at	-0.55	3.32E-02	Fap	14089
1437616_x_at	-0.55	4.45E-02	Zdhhc14	224454
1435389_at	-0.55	4.29E-03	Reps2	194590
1421818_at	-0.55	6.05E-03	Bcl6	12053
1423824_at	-0.55	5.41E-03	Wls	68151
1433488_x_at	-0.55	3.46E-03	Gns	75612
1432686_at	-0.55	9.31E-03	4833406M21Rik	74575
1416611_at	-0.55	3.42E-03	Scamp2	24044
1436150_at	-0.55	9.01E-03	Fam219a	71901
1455947_at	-0.55	1.88E-02	Mar-11	211147
1419109_at	-0.55	2.15E-02	Hrc	15464
1449036_at	-0.55	4.47E-03	Rnf128	66889
1460592_at	-0.55	3.77E-03	Epb4.1l1	13821
1423489_at	-0.55	3.82E-03	Mmd	67468

1422645_at	-0.55	2.37E-02	Hfe	15216
1427546_at	-0.55	3.39E-02	Abca8b	27404
1436679_at	-0.55	1.79E-02	Tecpr1	70381
1451148_at	-0.55	5.80E-03	Pink1	68943
1434409_at	-0.55	6.59E-03	Armcx6	278097
1433546_at	-0.55	3.75E-03	Gns	75612
1451969_s_at	-0.55	3.45E-03	Parp3	235587
1416671_a_at	-0.55	5.47E-03	Mcoln1	94178
1450389_s_at	-0.55	4.01E-03	Pip5k1b	18719
1435472_at	-0.55	6.45E-03	Kremen1	84035
1455737_at	-0.55	2.66E-02	Ppm1h	319468
1426478_at	-0.55	5.03E-03	Rasa1	218397
1422508_at	-0.55	3.44E-03	Atp6v1a	11964
1455037_at	-0.55	4.87E-03	Plxna2	18845
1452890_at	-0.55	5.83E-03	Ttll5	320244
1426777_a_at	-0.56	2.92E-02	Wasl	73178
1440825_s_at	-0.56	5.92E-03	Ccdc28a	215814
1456255_at	-0.56	4.38E-02	AI314180	230249
1433968_a_at	-0.56	6.54E-03	Megf9	230316
1448568_a_at	-0.56	3.57E-03	Slc20a1	20515
1428786_at	-0.56	8.34E-03	Nckap1l	105855
1449420_at	-0.56	3.18E-02	Pde1b	18574
1437558_at	-0.56	7.76E-03	B130021B11Rik	320860
1436849_x_at	-0.56	4.14E-03	Gaa	14387
1452202_at	-0.56	4.32E-03	Pde2a	207728
1428204_at	-0.56	2.10E-02	Gabrb2	14401
1434214_at	-0.56	5.53E-03	Lamtor4	66096
1456665_at	-0.56	4.65E-03	Eya4	14051
1440940_at	-0.56	8.09E-03	Cacnb1	12295
1437149_at	-0.56	3.00E-03	Slc6a6	21366
1434263_at	-0.56	4.04E-03	Mfsd12	73822
1416034_at	-0.56	4.02E-03	Cd24a	12484
1436907_at	-0.56	7.09E-03	Nav1	215690
1428443_a_at	-0.56	6.19E-03	Rap1gap	110351
1433909_at	-0.56	2.72E-03	Syt17	110058
1444494_at	-0.56	3.75E-03	Klhl41	228003
1437958_at	-0.56	2.93E-02	Xpr1	19775
1428406_s_at	-0.56	3.58E-03	Hcfc1r1	353502
1429896_at	-0.57	8.38E-03	5830408B19Rik	74756
1452309_at	-0.57	9.66E-03	Cgnl1	68178
1435085_at	-0.57	7.95E-03	Crebl2	232430
1455683_a_at	-0.57	8.00E-03	Tbc1d8	54610
1416937_at	-0.57	3.17E-03	Gabarap	56486
1448328_at	-0.57	4.16E-03	Sh3bp2	24055
1426037_a_at	-0.57	6.56E-03	Rgs16	19734

1429830_a_at	-0.57	4.77E-03	Cd59a	12509
1450627_at	-0.57	2.72E-03	Ank	11732
1417669_at	-0.57	2.73E-03	Abhd12	76192
1439395_at	-0.57	1.78E-02	Zfp874b	408067
1421477_at	-0.57	6.15E-03	Cplx2	12890
1455762_at	-0.57	9.90E-03	Kidins220	77480
1433485_x_at	-0.57	4.11E-03	Gpr56	14766
1449129_a_at	-0.57	1.39E-02	Kcnip3	56461
1416424_at	-0.57	3.32E-03	Plin3	66905
1456150_at	-0.57	3.42E-03	Kdm7a	338523
1418677_at	-0.57	4.74E-03	Actn3	11474
1416274_at	-0.57	5.74E-03	Ctns	83429
1424958_at	-0.57	5.47E-03	Car8	12319
1429813_at	-0.57	1.10E-02	Pank1	75735
1420575_at	-0.58	5.03E-03	Mt3	17751
1417757_at	-0.58	2.85E-02	Unc13b	22249
1456446_at	-0.58	2.19E-02	4930523C07Rik	67647
1434361_at	-0.58	1.32E-02	Snx33	235406
1416901_at	-0.58	3.09E-03	Npc2	67963
1416672_s_at	-0.58	3.01E-03	Mcoln1	94178
1443960_at	-0.58	1.77E-02	Asrgl1	66514
1418075_at	-0.58	3.96E-03	St6galnac4	20448
1420502_at	-0.58	3.05E-03	Sat1	20229
1445703_at	-0.58	9.61E-03	Ptchd1	211612
1452015_at	-0.58	4.69E-03	6330416G13Rik	230279
1460550_at	-0.58	8.75E-03	Mtmr11	194126
1422231_a_at	-0.58	1.41E-02	Tnfrsf25	85030
1417697_at	-0.58	3.39E-03	Soat1	20652
1425632_a_at	-0.58	2.77E-03	Pqlc2	212555
1450241_a_at	-0.58	2.49E-03	Evi2a	14017
1424690_at	-0.58	3.65E-02	Cacfd1	381356
1432997_at	-0.58	2.32E-03	5830462P14Rik	76098
1418314_a_at	-0.58	4.00E-03	Rbfox1	268859
1440455_at	-0.58	2.81E-03	Camk2n1	66259
1418752_at	-0.58	1.61E-02	Aldh3a1	11670
1433722_at	-0.58	2.87E-03	Akap13	75547
1460180_at	-0.58	2.72E-03	Hexb	15212
1451634_at	-0.58	8.00E-03	Airn	104103
1449668_s_at	-0.58	3.17E-03	Fnip1	216742
1418049_at	-0.58	3.44E-03	Ltbp3	16998
1426758_s_at	-0.58	2.86E-03	Meg3	17263
1440990_at	-0.58	1.04E-02	Kif26b	269152
1433477_at	-0.58	3.26E-03	Abr	109934
1425627_x_at	-0.58	3.50E-03	Gstm1	14862
1451411_at	-0.58	2.56E-03	Gprc5b	64297

1415856_at	-0.59	2.39E-03	Emb	13723
1419979_s_at	-0.59	4.14E-03	Creb3	12913
1416666_at	-0.59	4.65E-03	Serpine2	20720
1419844_a_at	-0.59	3.58E-03	LOC545086	545086
1446861_at	-0.59	7.21E-03	Gns	75612
1445597_s_at	-0.59	3.07E-03	Pla2g16	225845
1449360_at	-0.59	6.22E-03	Csf2rb2	12984
1421346_a_at	-0.59	2.66E-03	Slc6a6	21366
1436193_at	-0.59	3.87E-03	Man1c1	230815
1419485_at	-0.59	3.89E-03	Foxc1	17300
1425383_a_at	-0.59	3.09E-03	Pbx1	18514
1448343_a_at	-0.59	3.24E-03	Nbr1	17966
1459218_at	-0.59	9.14E-03	Mroh1	223658
1416165_at	-0.59	2.57E-03	Rab31	106572
1426300_at	-0.59	2.63E-03	Alcam	11658
1451883_at	-0.59	3.09E-03	BC002189	620316
1417251_at	-0.59	3.49E-03	Palmd	114301
1457010_at	-0.59	7.97E-03	3010001F23Rik	75693
1417632_at	-0.59	5.17E-03	Atp6v0a1	11975
1418025_at	-0.59	5.21E-03	Bhlhe40	20893
1420127_s_at	-0.59	7.40E-03	Ccpg1	72278
1459585_at	-0.59	2.72E-02	Gas6	14456
1426095_a_at	-0.59	5.36E-03	Tnfrsf22	79202
1429212_a_at	-0.59	3.37E-03	Lrrc51	69358
1420183_at	-0.59	4.49E-03	Lor	16939
1438167_x_at	-0.59	6.55E-03	Flcn	216805
1427878_at	-0.60	2.52E-03	Cystm1	66060
1447842_x_at	-0.60	2.66E-03	Tcn2	21452
1449553_at	-0.60	2.42E-03	Nkain1	67149
1418155_at	-0.60	1.49E-02	Myot	58916
1447927_at	-0.60	6.30E-03	Gbp6	100702
1418976_s_at	-0.60	6.22E-03	Cideb	12684
1429163_at	-0.60	3.29E-03	Dchs1	233651
1421469_a_at	-0.60	7.17E-03	Stat5a	20850
1429934_at	-0.60	3.67E-03	4930502E18Rik	75013
1426301_at	-0.60	4.13E-03	Alcam	11658
1417301_at	-0.60	3.75E-03	Fzd6	14368
1427177_at	-0.60	2.06E-03	Fyco1	17281
1438989_s_at	-0.60	6.38E-03	B130021B11Rik	320860
1429267_at	-0.60	3.73E-03	Acot11	329910
1420501_at	-0.60	2.64E-03	Dnajc1	13418
1448510_at	-0.60	8.09E-03	Efna1	13636
1435749_at	-0.60	2.00E-02	Gda	14544
1428332_at	-0.60	1.16E-02	Pik3ip1	216505
1424894_at	-0.60	3.24E-03	Rab13	68328

1448154_at	-0.60	1.84E-03	Ndrg2	29811
1460287_at	-0.60	2.32E-03	Timp2	21858
1437252_at	-0.60	3.12E-03	Gatsl2	80909
1454283_at	-0.60	6.71E-03	Slc38a9	268706
1444992_at	-0.60	2.93E-03	AI120166	103141
1423993_at	-0.60	2.03E-03	Atp6v1f	66144
1419040_at	-0.60	1.15E-02	Cyp2d22	56448
1456567_x_at	-0.60	1.77E-03	Grn	14824
1444396_at	-0.60	3.34E-02	Trp53inp2	68728
1460122_at	-0.61	3.00E-03	Tmem41b	233724
1451446_at	-0.61	2.22E-03	Antxr1	69538
1424359_at	-0.61	2.11E-03	Oplah	75475
1434405_at	-0.61	3.06E-03	Fnip1	216742
1450708_at	-0.61	6.75E-03	Scg2	20254
1453275_at	-0.61	3.44E-03	Dynap	75577
1453596_at	-0.61	5.29E-03	Id2	15902
1437092_at	-0.61	3.00E-03	Clip4	78785
1435229_at	-0.61	7.23E-03	Gramd1b	235283
1432331_a_at	-0.61	2.87E-03	Prrx2	20204
1436277_at	-0.61	5.43E-03	Rnf207	433809
1431382_a_at	-0.61	4.67E-03	Clip4	78785
1420389_at	-0.61	3.87E-03	Pax3	18505
1428614_at	-0.61	5.94E-03	Ldhd	52815
1427445_a_at	-0.61	1.40E-02	Ttn	22138
1421812_at	-0.61	3.95E-03	Tapbp	21356
1426143_at	-0.61	8.38E-03	Trdn	76757
1439380_x_at	-0.61	9.03E-03	Meg3	17263
1442869_at	-0.61	3.73E-03	Dok7	231134
1422330_at	-0.61	1.37E-02	Glp1r	14652
1424893_at	-0.61	2.78E-03	Ndel1	83431
1437688_x_at	-0.61	1.89E-03	Atp6ap2	70495
1434653_at	-0.61	2.02E-03	Ptk2b	19229
1416978_at	-0.61	3.64E-03	Fcgrt	14132
1428651_at	-0.61	5.29E-03	Klhl24	75785
1419821_s_at	-0.61	4.66E-03	Idh1	15926
1438629_x_at	-0.61	1.96E-03	Grn	14824
1421374_a_at	-0.61	1.05E-02	Fxyd1	56188
1456487_at	-0.61	4.35E-03	Adcy1	432530
1456586_x_at	-0.61	3.46E-03	Mvp	78388
1437406_x_at	-0.61	1.02E-02	Igfbp4	16010
1455300_at	-0.61	9.10E-03	Tet2	214133
1437889_x_at	-0.61	3.88E-03	Bgn	12111
1424588_at	-0.61	1.82E-03	Srgap3	259302
1417399_at	-0.62	3.60E-03	Gas6	14456
1424902_at	-0.62	3.29E-03	Plxdc1	72324

1434639_at	-0.62	1.43E-02	Klhl29	208439
1418949_at	-0.62	2.80E-03	Gdf15	23886
1421834_at	-0.62	2.85E-03	Pip5k1b	18719
1437064_at	-0.62	2.36E-03	Ar	11835
1456214_at	-0.62	8.79E-03	Pcdh7	54216
1420123_at	-0.62	2.22E-03	Tcta	102791
1425814_a_at	-0.62	4.66E-03	Calcrl	54598
1445537_at	-0.62	8.95E-03	2310039F13Rik	76754
1416066_at	-0.62	1.63E-03	Cd9	12527
1426316_at	-0.62	2.48E-03	6330416G13Rik	230279
1432787_at	-0.62	3.07E-03	6720420G18Rik	77072
1437434_a_at	-0.62	1.53E-03	Wls	68151
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1420617_at	-0.62	3.95E-03	Cpeb4	67579
1449408_at	-0.62	1.91E-03	Jam2	67374
1418396_at	-0.62	2.81E-03	Gpsm3	106512
1419428_a_at	-0.62	2.62E-03	Gaa	14387
1448330_at	-0.62	2.42E-03	Gstm1	14862
1425663_at	-0.62	1.22E-02	Il1rn	16181
1452347_at	-0.62	1.77E-03	Mef2a	17258
1427185_at	-0.62	1.65E-03	Mef2a	17258
1451299_at	-0.62	1.88E-03	Prkx	19108
1434741_at	-0.62	2.32E-03	Rreb1	68750
1434642_at	-0.62	1.70E-03	Hsd17b11	114664
1435744_at	-0.62	3.37E-03	Firre	103012
1449106_at	-0.62	2.22E-03	Gpx3	14778
1453278_a_at	-0.63	2.09E-03	Clip4	78785
1416935_at	-0.63	4.60E-03	Trpv2	22368
1419811_at	-0.63	7.86E-03	Adcy9	11515
1419292_at	-0.63	3.99E-03	Htra3	78558
1438928_x_at	-0.63	1.92E-03	Ninj1	18081
1430036_at	-0.63	2.99E-03	2310015B20Rik	69563
1423141_at	-0.63	2.43E-03	Lipa	16889
1417597_at	-0.63	1.05E-02	Cd28	12487
1434277_a_at	-0.63	1.86E-03	Ypel2	77864
1447658_x_at	-0.63	6.85E-03	Synpo2l	68760
1428114_at	-0.63	6.88E-03	Slc14a1	108052
1426368_at	-0.63	3.68E-03	Rin2	74030
1460367_at	-0.63	1.88E-03	Hbp1	73389
1435852_at	-0.63	3.89E-03	Spred3	101809
1426362_at	-0.63	1.43E-03	Tmem144	70652
1451132_at	-0.63	2.22E-03	Pbxip1	229534
1417706_at	-0.63	2.48E-03	Naglu	27419
1460591_at	-0.63	2.22E-03	Esr1	13982
1445178_at	-0.63	8.34E-03	Sh3rf1	59009

1435355_at	-0.63	3.09E-03	Neb	17996
1428420_a_at	-0.63	1.43E-03	Exoc3l4	74190
1416013_at	-0.64	2.22E-03	Pld3	18807
1456681_at	-0.64	8.93E-03	Ptchd1	211612
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1453542_at	-0.64	1.36E-02	2610007B07Rik	72439
1416408_at	-0.64	1.60E-03	Acox1	11430
1426562_a_at	-0.64	3.61E-03	Olfm1	56177
1455992_at	-0.64	1.47E-03	Vgll4	232334
1426624_a_at	-0.64	1.97E-03	Ypel3	66090
1453731_a_at	-0.64	1.98E-03	Dram2	67171
1436568_at	-0.64	5.29E-03	Jam2	67374
1437710_x_at	-0.64	1.64E-03	Fam71e1	75538
1423488_at	-0.64	1.36E-03	Mmd	67468
1449925_at	-0.64	1.62E-03	Cxcr3	12766
1433643_at	-0.64	2.52E-03	Cacna2d1	12293
1453286_at	-0.64	2.54E-03	Plxna2	18845
1418485_at	-0.64	1.89E-03	Slc4a3	20536
1453913_a_at	-0.64	7.45E-03	Tap2	21355
1451867_x_at	-0.64	4.26E-03	Arhgap6	11856
1423854_a_at	-0.64	4.14E-03	Rasl11b	68939
1436301_at	-0.65	1.82E-03	Dstyk	213452
1438800_at	-0.65	6.59E-03	Nagk	56174
1436627_at	-0.65	4.00E-03	Airn	104103
1435169_at	-0.65	1.50E-02	Crebrf	77128
1460344_at	-0.65	1.61E-03	Pbxip1	229534
1439793_at	-0.65	5.50E-03	Gja3	14611
1422751_at	-0.65	2.86E-03	Tle1	21885
1424786_s_at	-0.65	1.65E-03	Wdr45	54636
1456333_a_at	-0.65	9.82E-03	Arhgap6	11856
1458148_at	-0.65	1.49E-03	Nlrc3	268857
1418318_at	-0.65	1.55E-03	Rnf128	66889
1417040_a_at	-0.65	1.20E-03	Bok	51800
1448618_at	-0.65	2.22E-03	Mvp	78388
1423260_at	-0.65	3.99E-03	Id4	15904
1436395_at	-0.65	2.86E-03	Card6	239319
1421977_at	-0.65	9.28E-03	Mmp19	58223
1417143_at	-0.65	2.01E-03	Lpar1	14745
1435089_at	-0.65	1.73E-03	2010111I01Rik	72061
1454204_at	-0.65	1.67E-03	4930442G10Rik	73986
1424659_at	-0.66	1.98E-03	Slit2	20563
1452968_at	-0.66	1.58E-03	Cthrc1	68588
1427306_at	-0.66	2.24E-03	Ryr1	20190
1420450_at	-0.66	1.47E-02	Mmp10	17384
1439327_at	-0.66	1.15E-02	Ccbe1	320924

1421228_at	-0.66	1.50E-03	Ccl7	20306
1456260_at	-0.66	8.99E-03	Rbbp4	19646
1460365_a_at	-0.66	1.18E-03	Dnm1	13429
1459839_x_at	-0.66	1.55E-03	Btbd11	74007
1428657_at	-0.66	2.82E-03	Rreb1	68750
1447707_s_at	-0.66	2.12E-03	Pde2a	207728
1417001_a_at	-0.66	1.48E-03	Rsrp1	27981
1422243_at	-0.66	1.64E-02	Fgf7	14178
1455347_at	-0.66	4.00E-03	Rtel1	269400
1437833_at	-0.66	3.30E-03	Ltbp3	16998
1420355_at	-0.66	8.05E-03	Grk4	14772
1440888_at	-0.66	5.43E-03	Oxtr	18430
1435945_a_at	-0.66	1.58E-03	Kcnn4	16534
1428405_at	-0.66	1.39E-03	Hcfc1r1	353502
1416387_at	-0.66	1.39E-03	Pip4k2c	117150
1419589_at	-0.66	2.79E-03	Cd93	17064
1423341_at	-0.66	7.49E-03	Cspg4	121021
1419814_s_at	-0.67	1.64E-03	S100a1	20193
1431416_a_at	-0.67	1.36E-03	Jam2	67374
1436507_at	-0.67	1.92E-03	Irak2	108960
1418643_at	-0.67	5.52E-03	Tspan13	66109
1442157_at	-0.67	1.39E-03	A930041H05Rik	77834
1428289_at	-0.67	1.13E-03	Klf9	16601
1428132_at	-0.67	1.55E-03	Cdc42se1	57912
1424726_at	-0.67	1.11E-03	Tmem150a	232086
1417995_at	-0.67	8.93E-03	Ptpn22	19260
1420918_at	-0.67	3.18E-03	Sgk3	170755
1419372_at	-0.67	1.02E-03	Gosr2	56494
1452527_a_at	-0.67	1.45E-03	P2rx4	18438
1450355_a_at	-0.67	1.08E-03	Capg	12332
1429060_at	-0.67	1.26E-03	Malat1	72289
1436138_at	-0.67	1.99E-03	Ttc19	72795
1423437_at	-0.67	1.98E-03	Gsta3	14859
1422544_at	-0.67	1.09E-03	Myo10	17909
1422336_at	-0.67	8.78E-03	Hoxa13	15398
1425333_at	-0.67	1.09E-03	Rab43	69834
1416804_at	-0.67	2.72E-03	Ehbp1l1	114601
1444021_at	-0.67	3.09E-03	Sqstm1	18412
1459838_s_at	-0.67	1.09E-03	Btbd11	74007
1419371_s_at	-0.67	1.06E-03	Gosr2	56494
1424150_at	-0.67	5.18E-03	Gdpd5	233552
1423414_at	-0.67	1.05E-03	Ptgs1	19224
1434188_at	-0.68	1.62E-03	Slc16a12	240638
1434768_at	-0.68	1.79E-03	Tpp1	12751
1419435_at	-0.68	1.20E-03	Aox1	11761

1422635_at	-0.68	3.68E-03	Ache	11423
1439766_x_at	-0.68	1.90E-03	Vegfc	22341
1452583_s_at	-0.68	3.84E-03	Galm	319625
1416416_x_at	-0.68	1.58E-03	Gstm1	14862
1448313_at	-0.68	9.38E-04	Tpp1	12751
1448124_at	-0.68	9.79E-04	Gusb	110006
1422433_s_at	-0.68	1.11E-03	Idh1	15926
1421299_a_at	-0.68	1.65E-02	Lef1	16842
1419693_at	-0.68	1.95E-02	Colec12	140792
1423825_at	-0.69	1.14E-03	Wls	68151
1452650_at	-0.69	3.44E-03	Trim62	67525
1415996_at	-0.69	1.24E-03	Txnip	56338
1434909_at	-0.69	1.10E-03	Rragd	52187
1431188_a_at	-0.69	1.26E-03	Tom1	21968
1435867_at	-0.69	1.52E-03	Kdm7a	338523
1426315_a_at	-0.69	8.96E-04	6330416G13Rik	230279
1417421_at	-0.69	1.52E-03	S100a1	20193
1455214_at	-0.69	2.97E-03	Mitf	17342
1423777_at	-0.69	1.42E-03	Usp20	74270
1429173_at	-0.69	1.15E-03	Dnase1l1	69537
1418489_a_at	-0.69	3.04E-03	Calcrl	54598
1445233_at	-0.69	3.40E-03	Rhbdl2	230726
1417814_at	-0.69	1.84E-02	Pla2g5	18784
1435332_at	-0.69	7.14E-03	Htr7	15566
1426584_a_at	-0.70	1.25E-03	Sord	20322
1417490_at	-0.70	9.22E-04	Ctsb	13030
1439127_at	-0.70	2.37E-03	AI314180	230249
1425536_at	-0.70	8.67E-04	Stx3	20908
1460239_at	-0.70	1.02E-03	Tspan13	66109
1434154_at	-0.70	1.17E-03	Kctd13	233877
1415949_at	-0.70	1.01E-03	Cpe	12876
1422776_at	-0.70	1.38E-03	Serpinb8	20725
1434413_at	-0.70	3.26E-03	Igf1	16000
1428357_at	-0.70	6.38E-03	Tdrp	72148
1422706_at	-0.70	2.41E-03	Pmepa1	65112
1422571_at	-0.70	1.89E-03	Thbs2	21826
1448327_at	-0.70	1.15E-03	Actn2	11472
1439456_x_at	-0.70	1.10E-03	Atp6ap2	70495
1458308_at	-0.70	8.22E-03	Sbno2	216161
1449510_at	-0.70	6.88E-03	Zfp467	68910
1448732_at	-0.70	8.26E-04	Ctsb	13030
1415671_at	-0.70	8.18E-04	Atp6v0d1	11972
1423726_at	-0.70	1.06E-03	Vat1	26949
1417066_at	-0.71	3.75E-03	Adck3	67426
1426159_x_at	-0.71	1.06E-03	Tcrb-J	21580

1450099_a_at	-0.71	8.99E-04	Gba	14466
1419220_at	-0.71	2.42E-03	Xirp1	22437
1452478_at	-0.71	1.40E-03	Alpk2	225638
1423450_a_at	-0.71	2.81E-03	Hs3st1	15476
1426063_a_at	-0.71	1.37E-02	Gem	14579
1452533_at	-0.71	7.00E-03	Ryr3	20192
1443867_at	-0.71	1.64E-03	Ankrd12	106585
1437025_at	-0.71	4.32E-03	Cd28	12487
1453898_at	-0.71	6.53E-03	Nmrk2	69564
1428574_a_at	-0.71	9.43E-03	Chn2	69993
1433783_at	-0.71	8.05E-03	Ldb3	24131
1415941_s_at	-0.71	1.40E-03	Zfand2a	100494
1455239_at	-0.71	1.63E-03	Ifitm10	320802
1450757_at	-0.71	9.58E-04	Cdh11	12552
1417333_at	-0.71	1.10E-03	Rasa4	54153
1454901_at	-0.71	4.09E-03	Ypel2	77864
1451507_at	-0.71	1.10E-03	Mef2c	17260
1417696_at	-0.71	8.78E-04	Soat1	20652
1428650_at	-0.71	1.27E-03	Tns1	21961
1422771_at	-0.71	1.20E-03	Smad6	17130
1426595_at	-0.71	2.01E-03	Slc18a1	110877
1455162_at	-0.71	5.32E-03	Ttc39a	230603
1424030_at	-0.71	9.23E-03	Grhl1	195733
1448148_at	-0.72	7.75E-04	Grn	14824
1457293_at	-0.72	1.18E-03	Zbtb4	75580
1439437_x_at	-0.72	1.05E-02	Cpe	12876
1448467_a_at	-0.72	9.86E-04	Ehbp1l1	114601
1423865_at	-0.72	8.39E-04	Slc44a1	100434
1451584_at	-0.72	5.90E-03	Havcr2	171285
1448152_at	-0.72	1.13E-03	Igf2	16002
1423663_at	-0.72	7.73E-04	Flcn	216805
1452520_a_at	-0.72	1.61E-03	Chrng	11449
1449178_at	-0.72	1.37E-03	Pdlim3	53318
1429772_at	-0.72	2.97E-03	Plxna2	18845
1427357_at	-0.72	1.61E-03	Cda	72269
1447928_at	-0.73	1.03E-02	Car5b	56078
1433742_at	-0.73	2.54E-03	Kank1	107351
1430183_at	-0.73	7.66E-04	4833414E09Rik	71633
1415857_at	-0.73	6.87E-04	Emb	13723
1419564_at	-0.73	1.36E-02	Zfp467	68910
1443827_x_at	-0.73	1.26E-03	Fam20c	80752
1455872_at	-0.73	3.75E-03	Fam167a	219148
1435679_at	-0.73	8.96E-04	Optn	71648
1454731_at	-0.73	8.97E-04	Myo10	17909
1425525_a_at	-0.73	7.28E-04	P2rx4	18438

1448118_a_at	-0.73	8.60E-04	Ctsd	13033
1439087_a_at	-0.73	1.53E-03	Pik3ip1	216505
1424111_at	-0.73	7.75E-04	Igf2r	16004
1420498_a_at	-0.73	7.68E-04	Dab2	13132
1454967_at	-0.73	2.52E-03	Crebrf	77128
1426772_x_at	-0.73	1.53E-03	Tcrb-J	21580
1425530_a_at	-0.73	3.01E-03	Stx3	20908
1442659_at	-0.74	1.79E-03	Pcdh9	211712
1428203_at	-0.74	7.18E-03	Gabrb2	14401
1451731_at	-0.74	7.16E-04	Abca3	27410
1427146_at	-0.74	1.90E-03	Carns1	107239
1429841_at	-0.74	9.22E-04	Megf10	70417
1441850_x_at	-0.74	1.93E-03	Tcn2	21452
1422705_at	-0.74	1.07E-03	Pmepa1	65112
1418726_a_at	-0.75	9.33E-04	Tnnt2	21956
1420741_x_at	-0.75	1.21E-03	Lce1i	76585
1423662_at	-0.75	8.17E-04	Atp6ap2	70495
1428377_at	-0.75	9.33E-04	Btbd11	74007
1438531_at	-0.75	3.10E-03	A730054J21Rik	320862
1446951_at	-0.75	1.37E-03	P4ha3	320452
1427446_s_at	-0.75	1.72E-03	Ttn	22138
1427201_at	-0.75	3.80E-03	Mustn1	66175
1449519_at	-0.75	7.66E-04	Gadd45a	13197
1419050_at	-0.75	2.24E-03	Tmem8c	66139
1458087_at	-0.75	1.72E-03	Stac3	237611
1453372_at	-0.75	1.00E-03	Dnajc1	13418
1454734_at	-0.76	2.52E-03	Lef1	16842
1420884_at	-0.76	5.53E-03	Sln	66402
1418172_at	-0.76	8.16E-04	Hebp1	15199
1428942_at	-0.76	7.53E-04	Mt2	17750
1448873_at	-0.76	1.21E-03	Ocln	18260
1459941_at	-0.76	5.03E-03	Clvs1	74438
1438915_at	-0.76	1.32E-03	Firre	103012
1437268_at	-0.76	1.21E-03	Lancl3	236285
1437044_a_at	-0.76	7.28E-04	Gba	14466
1438916_x_at	-0.76	5.60E-04	Firre	103012
1437013_x_at	-0.76	7.66E-04	Atp6v0b	114143
1449872_at	-0.76	1.34E-03	Hspb3	56534
1452599_s_at	-0.76	9.48E-04	AI413582	106672
1448163_at	-0.76	7.66E-04	Gnpda1	26384
1448475_at	-0.76	8.99E-04	Olfml3	99543
1416830_at	-0.76	5.48E-04	Glmp	56700
1439708_at	-0.77	8.37E-03	Myom3	242702
1458882_at	-0.77	5.97E-04	Serpinb8	20725
1456341_a_at	-0.77	6.75E-04	Klf9	16601

1416343_a_at	-0.77	1.13E-03	Lamp2	16784
1435463_s_at	-0.77	9.97E-04	Myo1d	338367
1451484_a_at	-0.77	6.32E-04	Syn1	20964
1448200_at	-0.77	6.48E-04	Tcn2	21452
1428988_at	-0.77	1.53E-03	Abcc3	76408
1418370_at	-0.77	1.40E-03	Tnnc1	21924
1453004_at	-0.77	9.69E-04	Slc22a23	73102
1448316_at	-0.78	5.04E-04	Cmtm3	68119
1440865_at	-0.78	2.72E-03	Ifitm6	213002
1448617_at	-0.78	8.97E-04	Cd53	12508
1417307_at	-0.78	7.53E-04	Dmd	13405
1450634_at	-0.78	6.55E-04	Atp6v1a	11964
1448596_at	-0.78	5.04E-04	Slc6a8	102857
1441937_s_at	-0.78	7.72E-04	Pink1	68943
1450637_a_at	-0.78	1.20E-03	Aebp1	11568
1450107_a_at	-0.78	2.52E-03	Renbp	19703
1422541_at	-0.78	9.63E-04	Ptprm	19274
1416769_s_at	-0.78	5.04E-04	Atp6v0b	114143
1419735_at	-0.78	2.65E-03	Csn3	12994
1449939_s_at	-0.78	1.23E-03	Dlk1	13386
1427023_at	-0.78	2.55E-03	Phyhipl	70911
1447992_s_at	-0.78	1.19E-03	Pcsk2	18549
1438165_x_at	-0.78	7.04E-04	Vat1	26949
1420500_at	-0.78	6.52E-04	Dnajc1	13418
1433796_at	-0.78	7.68E-04	Endod1	71946
1448318_at	-0.78	4.26E-04	Plin2	11520
1455487_at	-0.79	5.42E-04	Mfsd11	69900
1435748_at	-0.79	2.13E-03	Gda	14544
1436467_at	-0.79	9.07E-04	D230004N17Rik	100504017
1421106_at	-0.79	2.48E-03	Jag1	16449
1417695_a_at	-0.79	4.05E-04	Soat1	20652
1431374_at	-0.79	2.48E-03	6330407A03Rik	70720
1450957_a_at	-0.79	4.18E-04	Sqstm1	18412
1427894_at	-0.79	1.70E-03	Vasn	246154
1426122_a_at	-0.79	7.54E-03	Coro6	216961
1436480_at	-0.79	8.97E-04	Dpp7	83768
1425668_a_at	-0.80	4.63E-04	St3gal4	20443
1420924_at	-0.80	4.05E-04	Timp2	21858
1439568_at	-0.80	7.89E-04	Greb1	268527
1420499_at	-0.80	8.36E-04	Gch1	14528
1434308_at	-0.80	7.97E-04	Slc43a2	215113
1416101_a_at	-0.80	6.35E-04	Hist1h1c	50708
1437401_at	-0.80	7.16E-04	Igf1	16000
1428284_at	-0.80	1.53E-03	Nol4l	329540
1421027_a_at	-0.80	1.14E-02	Mef2c	17260

1429693_at	-0.80	1.19E-03	Dab2	13132
1424967_x_at	-0.80	4.14E-04	Tnnt2	21956
1438175_x_at	-0.80	2.87E-03	Myom2	17930
1449532_at	-0.80	9.07E-04	Chrng	11449
1452295_at	-0.81	7.89E-04	Pmepa1	65112
1433474_at	-0.81	7.90E-03	Edil3	13612
1453011_at	-0.81	1.62E-03	Bdh2	69772
1422514_at	-0.81	4.79E-04	Aebp1	11568
1430768_at	-0.81	6.56E-03	9530018H14Rik	77395
1454137_s_at	-0.81	1.65E-03	Hfe2	69585
1448301_s_at	-0.81	6.96E-04	Serpinb1a	66222
1449982_at	-0.81	1.58E-03	Il11	16156
1429116_at	-0.81	3.21E-04	Slc17a5	235504
1456609_at	-0.82	4.82E-04	Camk2n1	66259
1426108_s_at	-0.82	8.94E-04	Cacnb1	12295
1423757_x_at	-0.82	3.57E-04	Igfbp4	16010
1428902_at	-0.82	4.49E-04	Chst11	58250
1419208_at	-0.82	1.11E-02	Map3k8	26410
1429692_s_at	-0.82	1.88E-03	Gch1	14528
1451596_a_at	-0.82	1.56E-03	Sphk1	20698
1451474_a_at	-0.82	5.00E-04	Parp8	52552
1440721_at	-0.82	4.18E-04	5930433N17Rik	399623
1417952_at	-0.82	6.72E-04	Cyp2j6	13110
1457819_at	-0.82	1.12E-03	Scn9a	20274
1450118_a_at	-0.83	1.39E-03	Tnnt3	21957
1436297_a_at	-0.83	6.98E-04	Grina	66168
1418296_at	-0.83	3.67E-04	Fxyd5	18301
1416046_a_at	-0.83	5.60E-04	Fuca2	66848
1434812_s_at	-0.83	7.72E-04	Dok7	231134
1419391_at	-0.83	2.05E-03	Myog	17928
1455258_at	-0.83	1.41E-03	Kcnc2	268345
1454677_at	-0.83	4.63E-04	Timp2	21858
1417346_at	-0.84	2.26E-03	Pycard	66824
1449702_at	-0.84	4.16E-04	Zfand2a	100494
1445323_at	-0.84	7.60E-04	Greb1	268527
1425128_at	-0.84	8.39E-04	B3gnt8	232984
1448371_at	-0.84	3.78E-03	Mylpf	17907
1447800_x_at	-0.84	4.63E-04	Tcn2	21452
1418248_at	-0.85	2.95E-04	Gla	11605
1443823_s_at	-0.85	9.66E-04	Atp1a2	98660
1422529_s_at	-0.85	1.63E-03	Casq2	12373
1460318_at	-0.85	3.87E-03	Csrp3	13009
1440691_at	-0.85	6.46E-04	Cyp2j6	13110
1435146_s_at	-0.85	5.03E-03	Cadm2	239857
1435663_at	-0.85	1.94E-03	Esr1	13982

1458550_at	-0.85	1.63E-03	Myo1d	338367
1416405_at	-0.85	4.79E-04	Bgn	12111
1447657_s_at	-0.85	2.58E-04	Synpo2l	68760
1440739_at	-0.86	8.99E-04	Vegfc	22341
1428334_at	-0.86	2.67E-04	Ostm1	14628
1429752_x_at	-0.86	6.18E-04	Clip4	78785
1423465_at	-0.86	3.07E-04	Frrs1	20321
1417492_at	-0.86	4.88E-04	Ctsb	13030
1428573_at	-0.86	5.04E-04	Chn2	69993
1440193_at	-0.86	2.24E-04	Ankrd12	106585
1459764_x_at	-0.86	2.48E-03	Snx10	71982
1422720_at	-0.86	1.61E-03	Isl1	16392
1425702_a_at	-0.86	4.63E-04	Enpp5	83965
1443721_x_at	-0.87	4.65E-03	Sbno2	216161
1434070_at	-0.87	4.02E-04	Jag1	16449
1420693_at	-0.87	2.11E-03	Myom1	17929
1448871_at	-0.87	2.48E-04	Mapk13	26415
1424112_at	-0.87	3.07E-04	Igf2r	16004
1449434_at	-0.87	4.69E-04	Car3	12350
1448745_s_at	-0.88	2.88E-04	Lor	16939
1433808_at	-0.88	2.80E-04	Mroh1	223658
1415687_a_at	-0.88	1.39E-03	Psap	19156
1457825_x_at	-0.88	2.64E-04	Tcn2	21452
1439293_at	-0.88	2.78E-03	Fam214a	235493
1424248_at	-0.88	2.05E-04	Arpp21	74100
1417423_at	-0.89	2.91E-04	Grina	66168
1452592_at	-0.89	6.05E-04	Mgst2	211666
1448128_at	-0.89	2.00E-04	Ctsa	19025
1417116_at	-0.89	1.93E-04	Slc6a8	102857
1416414_at	-0.89	5.12E-04	Emilin1	100952
1422811_at	-0.90	2.19E-04	Slc27a1	26457
1454646_at	-0.90	4.00E-04	Tcp11l2	216198
1424034_at	-0.90	4.36E-04	Rora	19883
1455812_x_at	-0.90	5.97E-04	Vasn	246154
1434069_at	-0.90	2.87E-04	Prex1	277360
1442333_a_at	-0.90	1.35E-03	Scn9a	20274
1423814_at	-0.91	4.05E-04	Ddx41	72935
1452249_at	-0.91	4.63E-04	Prickle1	106042
1417262_at	-0.91	2.16E-03	Ptgs2	19225
1415940_at	-0.91	1.68E-04	Zfand2a	100494
1448323_a_at	-0.91	7.53E-04	Bgn	12111
1421975_a_at	-0.91	1.07E-03	Add2	11519
1434740_at	-0.91	1.93E-04	Scarf2	224024
1434855_at	-0.91	2.24E-04	Amdhd2	245847
1451914_a_at	-0.91	1.39E-03	Add2	11519

1424463_at	-0.92	1.77E-04	Mfsd6	98682
1448312_at	-0.92	8.78E-04	Pcsk2	18549
1451201_s_at	-0.92	1.85E-04	Rnh1	107702
1417263_at	-0.92	9.87E-04	Ptgs2	19225
1430700_a_at	-0.92	4.37E-04	Pla2g7	27226
1431362_a_at	-0.92	4.18E-04	Smoc2	64074
1424852_at	-0.92	1.71E-04	Mef2c	17260
1431980_a_at	-0.92	1.99E-04	As3mt	57344
1418471_at	-0.92	3.07E-04	Pgf	18654
1418373_at	-0.92	3.33E-04	Pgam2	56012
1416831_at	-0.93	4.18E-04	Neu1	18010
1460256_at	-0.93	1.52E-03	Car3	12350
1417688_at	-0.93	1.89E-04	Fam20c	80752
1423805_at	-0.93	1.84E-04	Dab2	13132
1442819_at	-0.93	9.33E-04	Rhbdl2	230726
1422313_a_at	-0.94	4.79E-04	Igfbp5	16011
1455645_at	-0.94	3.32E-03	Mybpc1	109272
1415897_a_at	-0.94	2.82E-04	Mgst1	56615
1433662_s_at	-0.94	2.01E-04	Timp2	21858
1431835_at	-0.95	1.53E-04	Tcerg1l	70571
1417551_at	-0.95	1.85E-04	Cln3	12752
1448239_at	-0.95	1.99E-04	Hmox1	15368
1435504_at	-0.95	3.18E-04	Clip4	78785
1436613_at	-0.95	1.50E-04	Coro6	216961
1424214_at	-0.96	1.50E-03	Parm1	231440
1451539_at	-0.96	1.61E-04	Baiap2l1	66898
1435055_a_at	-0.96	1.32E-04	Tom1	21968
1421813_a_at	-0.96	3.24E-03	Psap	19156
1450040_at	-0.97	1.59E-04	Timp2	21858
1417889_at	-0.97	2.70E-04	Apobec2	11811
1438781_at	-0.97	2.70E-04	Tet2	214133
1420442_at	-0.97	8.78E-04	Cacna1s	12292
1451798_at	-0.97	2.37E-03	Il1rn	16181
1426851_a_at	-0.97	2.82E-04	Nov	18133
1443968_at	-0.97	2.15E-04	Adarb1	110532
1422975_at	-0.98	6.31E-04	Mme	17380
1435813_at	-0.98	1.12E-03	Mypn	68802
1423259_at	-0.98	4.72E-04	Id4	15904
1419593_at	-0.98	4.05E-04	Greb1	268527
1419204_at	-0.99	2.31E-04	Dll1	13388
1422919_at	-0.99	4.37E-04	Hrasls	27281
1449024_a_at	-0.99	1.01E-04	Hexa	15211
1451372_a_at	-0.99	6.31E-04	Art1	11870
1419358_at	-0.99	4.10E-04	Sorcs2	81840
1438855_x_at	-1.00	1.30E-04	Tnfaip2	21928

1423256_a_at	-1.00	1.94E-04	Atp6v1g1	66290
1422240_s_at	-1.00	5.68E-03	Sprr2h	20762
1429460_at	-1.00	5.97E-04	Gpr115	78249
1423086_at	-1.00	1.06E-04	Npc1	18145
1433449_at	-1.00	4.17E-04	Snx32	225861
1428891_at	-1.01	5.04E-04	Parm1	231440
1428083_at	-1.01	1.03E-04	Neat1	66961
1460668_at	-1.02	1.14E-04	Gal	14419
1439658_at	-1.02	1.08E-03	Lmod3	320502
1416273_at	-1.02	9.97E-05	Tnfaip2	21928
1415874_at	-1.02	4.14E-04	Spry1	24063
1427278_at	-1.02	9.41E-05	Clip4	78785
1419417_at	-1.02	2.27E-04	Vegfc	22341
1438730_at	-1.03	2.27E-04	Nav1	215690
1428896_at	-1.04	4.10E-04	Pdgfrl	68797
1419289_a_at	-1.04	4.69E-04	Syngr1	20972
1431076_at	-1.04	1.14E-04	Add2	11519
1450868_at	-1.05	8.74E-05	Hgsnat	52120
1435658_at	-1.05	8.87E-05	Slc27a1	26457
1448566_at	-1.05	6.86E-04	Slc40a1	53945
1416752_at	-1.06	2.77E-03	Ldb3	24131
1436479_a_at	-1.06	1.76E-04	Dpp7	83768
1416344_at	-1.06	8.59E-05	Lamp2	16784
1436033_at	-1.07	1.93E-04	Fam214a	235493
1452330_a_at	-1.07	8.22E-05	Mxra8	74761
1417994_a_at	-1.07	3.68E-04	Asic2	11418
1418359_at	-1.07	1.03E-04	Wbscr27	79565
1429413_at	-1.07	2.09E-04	Cpm	70574
1457035_at	-1.08	4.63E-04	AI607873	226691
1453102_at	-1.08	1.28E-03	Flrt3	71436
1451475_at	-1.08	1.14E-04	Plxnd1	67784
1418829_a_at	-1.08	5.77E-05	Eno2	13807
1418671_at	-1.09	1.77E-04	Capn5	12337
1424951_at	-1.09	8.22E-05	Baiap2l1	66898
1450928_at	-1.09	2.33E-04	Id4	15904
1456543_at	-1.09	1.79E-04	Prokr1	58182
1451263_a_at	-1.09	1.43E-03	Fabp4	11770
1420940_x_at	-1.10	3.13E-04	Rgs5	19737
1430642_at	-1.10	2.61E-04	2900001G08Rik	76950
1422586_at	-1.10	9.07E-05	Ecel1	13599
1424354_at	-1.11	4.17E-04	Tmem140	68487
1460204_at	-1.11	5.56E-05	Tec	21682
1427371_at	-1.11	5.91E-04	Abca8a	217258
1422125_at	-1.11	1.59E-04	Htr2b	15559
1452378_at	-1.12	1.53E-03	Malat1	72289

1431043_at	-1.12	8.64E-04	Klhl40	72330
1449450_at	-1.12	4.83E-05	Ptges	64292
1415935_at	-1.12	1.19E-04	Smoc2	64074
1416318_at	-1.12	1.09E-04	Serpinb1a	66222
1435287_at	-1.13	1.42E-04	Add2	11519
1452651_a_at	-1.13	1.43E-03	Myl1	17901
1416635_at	-1.14	8.69E-05	Smpdl3a	57319
1441727_s_at	-1.15	5.04E-04	Zfp467	68910
1457133_at	-1.15	1.93E-04	Tcerg1l	70571
1434175_s_at	-1.15	5.92E-05	Tecpr1	70381
1427115_at	-1.15	4.49E-04	Myh3	17883
1423506_a_at	-1.16	3.60E-04	Nnat	18111
1447806_s_at	-1.16	4.88E-04	Srpk3	56504
1436188_a_at	-1.16	5.77E-05	Ndrg4	234593
1440645_at	-1.17	6.60E-04	BB114814	100043173
1450698_at	-1.17	9.86E-05	Dusp2	13537
1449449_at	-1.17	1.94E-04	Ptges	64292
1426615_s_at	-1.17	4.15E-05	Ndrg4	234593
1420942_s_at	-1.18	7.47E-04	Rgs5	19737
1452114_s_at	-1.18	1.42E-04	Igfbp5	16011
1448710_at	-1.19	1.90E-04	Cxcr4	12767
1422557_s_at	-1.19	5.77E-05	Mt1	17748
1427427_at	-1.19	1.74E-04	Ryr3	20192
1452913_at	-1.20	4.18E-04	Pcp4l1	66425
1420941_at	-1.20	1.69E-04	Rgs5	19737
1427279_at	-1.20	4.69E-04	Clip4	78785
1434877_at	-1.20	4.14E-05	Nptx1	18164
1451006_at	-1.20	5.81E-05	Xdh	22436
1450511_at	-1.21	3.13E-05	Musk	18198
1439048_at	-1.21	8.22E-05	Cadm2	239857
1451344_at	-1.21	2.70E-04	Tmem119	231633
1450723_at	-1.22	1.10E-04	Isl1	16392
1459750_s_at	-1.22	1.10E-04	Gpr123	52389
1433720_s_at	-1.23	3.13E-05	Chchd10	103172
1450650_at	-1.23	1.19E-04	Myo10	17909
1435680_a_at	-1.24	4.13E-05	Dpp7	83768
1435386_at	-1.24	8.87E-05	Vwf	22371
1417466_at	-1.24	3.50E-04	Rgs5	19737
1426852_x_at	-1.24	1.76E-04	Nov	18133
1429310_at	-1.24	9.86E-05	Flrt3	71436
1427946_s_at	-1.26	9.86E-05	Dpyd	99586
1423436_at	-1.26	4.83E-05	Gsta3	14859
1449383_at	-1.26	2.50E-05	Adssl1	11565
1429696_at	-1.26	4.13E-05	Gpr123	52389
1439965_at	-1.27	2.76E-05	Slc43a2	215113

1423255_at	-1.27	2.76E-05	Atp6v1g1	66290
1423989_at	-1.27	2.99E-05	Tecpr1	70381
1449164_at	-1.28	2.59E-04	Cd68	12514
1437523_s_at	-1.28	1.05E-03	Sgcg	24053
1416996_at	-1.28	2.99E-05	Tbc1d8	54610
1427028_at	-1.28	8.22E-05	Lgr6	329252
1432555_at	-1.28	7.96E-05	Whrn	73750
1419127_at	-1.29	1.53E-04	Npy	109648
1436529_at	-1.29	3.09E-04	Gpr123	52389
1448529_at	-1.31	8.22E-05	Thbd	21824
1417464_at	-1.31	5.04E-04	Tnnc2	21925
1436218_at	-1.31	1.28E-04	Lgr6	329252
1453009_at	-1.32	1.64E-04	Cpm	70574
1422130_at	-1.32	2.37E-05	Nptx1	18164
1438619_x_at	-1.33	9.86E-05	Zdhhc14	224454
1419487_at	-1.34	4.36E-04	Mybph	53311
1449218_at	-1.35	6.04E-05	Cox8b	12869
1448553_at	-1.37	8.59E-05	Myh7	140781
1452707_at	-1.38	2.48E-04	Klhl30	70788
1422580_at	-1.38	8.87E-05	Myl4	17896
1454903_at	-1.38	2.83E-04	Ngfr	18053
1420558_at	-1.40	2.37E-05	Selp	20344
1423756_s_at	-1.40	6.46E-05	Igfbp4	16010
1449031_at	-1.41	4.26E-04	Cited1	12705
1439747_at	-1.41	4.13E-05	Ptges	64292
1418095_at	-1.43	3.04E-03	Smpx	66106
1420715_a_at	-1.43	2.83E-05	Pparg	19016
1436990_s_at	-1.44	2.37E-05	Chchd10	103172
1416023_at	-1.44	1.18E-04	Fabp3	14077
1428547_at	-1.45	2.83E-05	Nt5e	23959
1437405_a_at	-1.45	2.78E-05	Igfbp4	16010
1436890_at	-1.47	2.20E-05	Uap1l1	227620
1434172_at	-1.47	2.50E-05	Cnr1	12801
1437614_x_at	-1.48	1.94E-04	Zdhhc14	224454
1426622_a_at	-1.48	2.37E-05	Qpct	70536
1416968_a_at	-1.48	1.44E-05	Hsd3b7	101502
1452492_a_at	-1.48	2.37E-05	Slc37a2	56857
1437385_at	-1.49	4.83E-05	Ccbe1	320924
1417061_at	-1.50	5.43E-05	Slc40a1	53945
1421424_a_at	-1.50	8.13E-04	Anpep	16790
1457435_x_at	-1.51	5.86E-05	Myom2	17930
1438975_x_at	-1.51	1.76E-04	Zdhhc14	224454
1420674_at	-1.51	2.37E-05	Pla2g2e	26970
1427735_a_at	-1.53	6.32E-05	Acta1	11459
1450813_a_at	-1.56	2.06E-05	Tnni1	21952

1449544_a_at	-1.59	1.20E-05	Kcnh2	16511
1432466_a_at	-1.59	1.30E-05	Apoe	11816
1444061_at	-1.61	2.20E-05	Prr9	109314
1439345_at	-1.61	2.47E-05	Gpnmb	93695
1448303_at	-1.62	1.20E-05	Gpnmb	93695
1452141_a_at	-1.63	2.99E-05	Sepp1	20363
1420653_at	-1.69	2.72E-05	Tgfb1	21803
1438707_at	-1.71	4.13E-05	Atp13a4	224079
1451203_at	-1.80	1.37E-04	Mb	17189
1426893_at	-1.86	1.07E-05	Fam102a	98952
1450779_at	-1.90	2.20E-05	Fabp7	12140
1449906_at	-2.04	1.07E-05	Selp	20344
1417256_at	-2.08	1.20E-05	Mmp13	17386
1417023_a_at	-2.10	9.80E-06	Fabp4	11770
1426894_s_at	-2.12	6.17E-06	Fam102a	98952
1437392_at	-2.23	2.09E-05	Syndig1	433485
1436486_x_at	-2.27	6.17E-06	Whrn	73750
1436485_s_at	-2.49	6.17E-06	Whrn	73750
1425888_at	-2.63	1.44E-05	Klra17	170733