

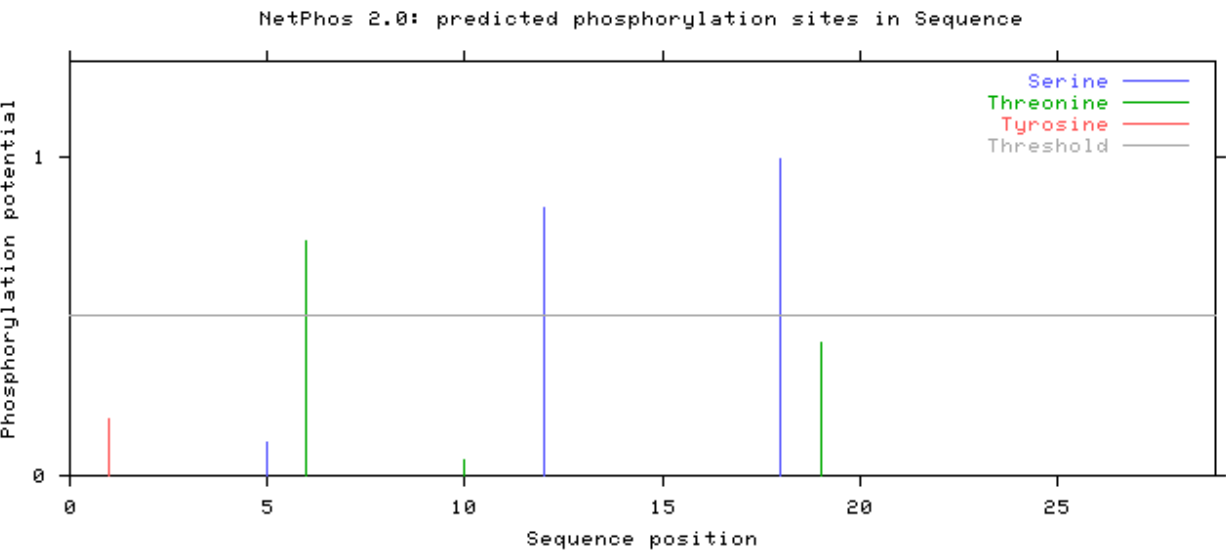
Supplementary Materials

Supplementary Figure 1

A

Human	1	MGKISSSLPTQLFKCCFCDFLKVKMHTMSSSHLFYLALCLLTFTSSATAGPETLCGAELVD	60
		MGKISSSLPTQLFK C CDFLK+K+H MSSSHLFYLALCLLTFTSSATAGPETLCGAELVD	
Rat	1	MGKISSSLPTQLFKICLCDFLKIKIHIMSSSHLFYLALCLLTFTSSATAGPETLCGAELVD	60
Human	61	ALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLEMYCAPLKPAKSARS	120
		ALQFVCG RGFYFNKPTGYGSS RRAPQTGIVDECCFRSCDLRRLEMYCAPLKP KSARS	
Rat	61	ALQFVCGPRGFYFNKPTGYGSSIRRAPQTGIVDECCFRSCDLRRLEMYCAPLKPTKSARS	120
Human	121	VRAQRHTDMPKTQKYQPPSTN-KNTKSQRRKGSTFEERK	158
		+RAQRHTDMPKTQK QP ST+ K +RRKGST EE K	
Rat	121	IRAQRHTDMPKTQKSQPLSTHKKRKLQRRRKGSTLEEhk	159
Human	1	MGKISSSLPTQLFKCCFCDFLKVKMHTMSSSHLFYLALCLLTFTSSATAGPETLCGAELVD	60
		MGKISSSLPTQLFK C CDFLK+K+H MSSSHLFYLALCLLTFTSS TAGPETLCGAELVD	
Mouse	1	MGKISSSLPTQLFKICLCDFLKIKIHIMSSSHLFYLALCLLTFTSSTTAGPETLCGAELVD	60
Human	61	ALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLEMYCAPLKPAKSARS	120
		ALQFVCG RGFYFNKPTGYGSS RRAPQTGIVDECCFRSCDLRRLEMYCAPLKP K+ARS	
Mouse	61	ALQFVCGPRGFYFNKPTGYGSSIRRAPQTGIVDECCFRSCDLRRLEMYCAPLKPTKAARS	120
Human	121	VRAQRHTDMPKTQKYQPPSTNKNNTKSQ-RRKGSTFEERK	158
		+RAQRHTDMPKTQK STNK TK Q RRKGSTFEE K	
Mouse	121	IRAQRHTDMPKTQKSPSLSTNKKTKLQRRRKGSTFEEhk	159

B



C

Supplementary Figure 1 (continued)

Serine predictions				
Name	Pos	Context	Score	Pred
v				
Sequence	5	YQPPSTNKN	0.103	.
Sequence	12	KNTKSQRRK	0.842	*S*
Sequence	18	RRKGSTFEE	0.994	*S*
^				
Threonine predictions				
Name	Pos	Context	Score	Pred
v				
Sequence	6	QPPSTNKNT	0.734	*T*
Sequence	10	TNKNTKSQR	0.048	.
Sequence	19	RKGSTFEER	0.418	.
^				

D

Method: NetPhosK without ESS filtering:

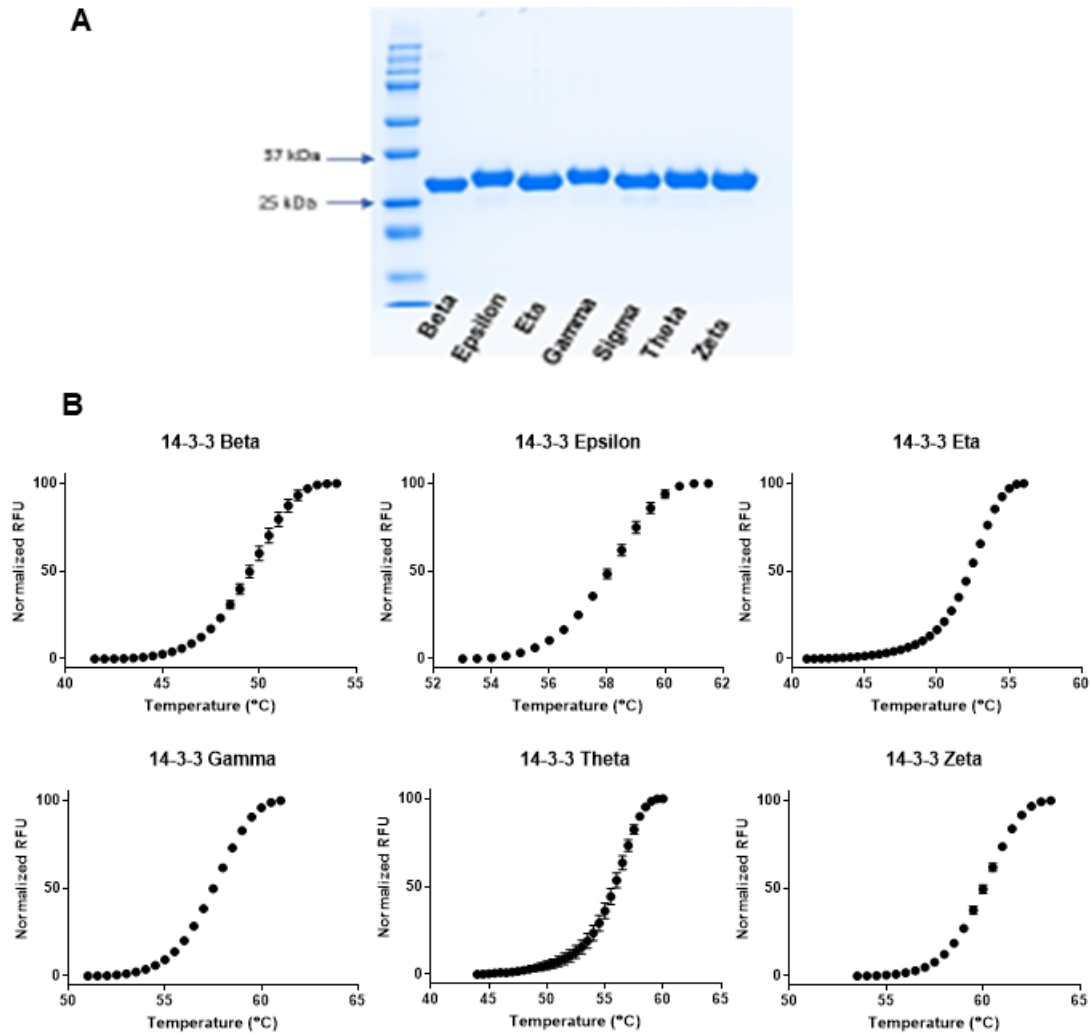
Query: Sequence YQPPSTNKNTKSQRRKGSTFEERK

Site	Kinase	Score

S-5	PKC	0.78
T-6	PKC	0.80
T-10	PKG	0.51
S-12	DNAPK	0.55
S-12	PKC	0.90
S-18	RSK	0.60
S-18	PKA	0.75
S-18	PKG	0.68
T-19	PKC	0.76

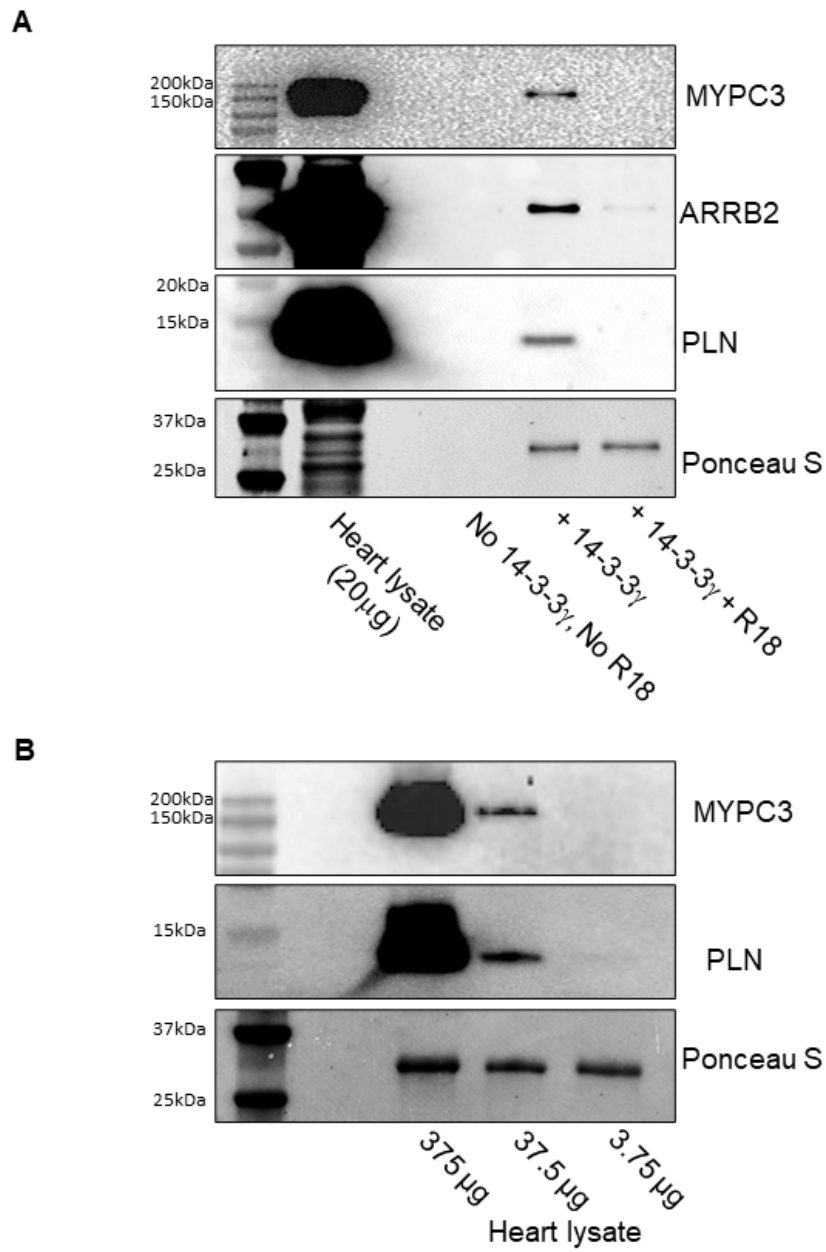
Supplementary Figure 1. A. Alignment of human, rat and mouse MGF proteins. Grey shaded region corresponds to entire E-domain; red font corresponds to the sequence of the unique region of the MGF E-domain. **B.** Potential phosphorylation sites within the 24 amino acid unique region of the human MGF E-domain identified using the NetPhos prediction program. Vertical lines that extend above the threshold indicate putative amino acid phosphorylation targets. **C.** Serine and threonine phosphorylation predictions and scores within the unique region of the human MGF E-domain. The serine at position 18 within the putative 14-3-3 binding domain received the highest score (red). **D.** NetPhosK analysis of specific kinase phosphorylation in the unique region of the human MGF E-domain. PKA phosphorylation of Ser18 received the higher score (red).

Supplementary Figure 2



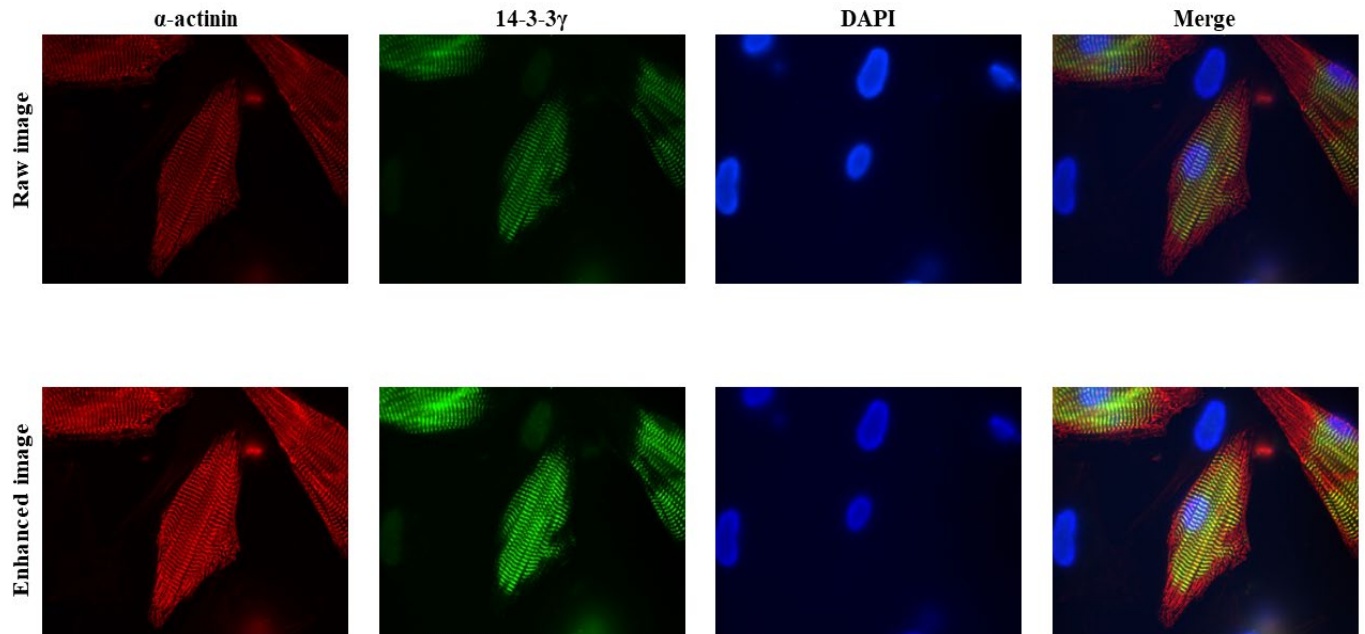
Supplementary Figure 2. **A.** Electrophoresis analysis of recombinantly expressed 14-3-3 isoforms (coomassie blue stain). **B.** Thermal shift analysis of each isoform to ensure correct folding (except sigma). For initial screening of recombinant 14-3-3 isoforms, each 20 μ l reaction volume typically contained 10 μ M final concentration of each 14-3-3 isoform diluted in Milli-Q water with 1 μ l of 1:40 Milli-Q-diluted dye (GloMelt Thermal Shift Dye, Kit 33021-1, Biotium).

Supplementary Figure 3



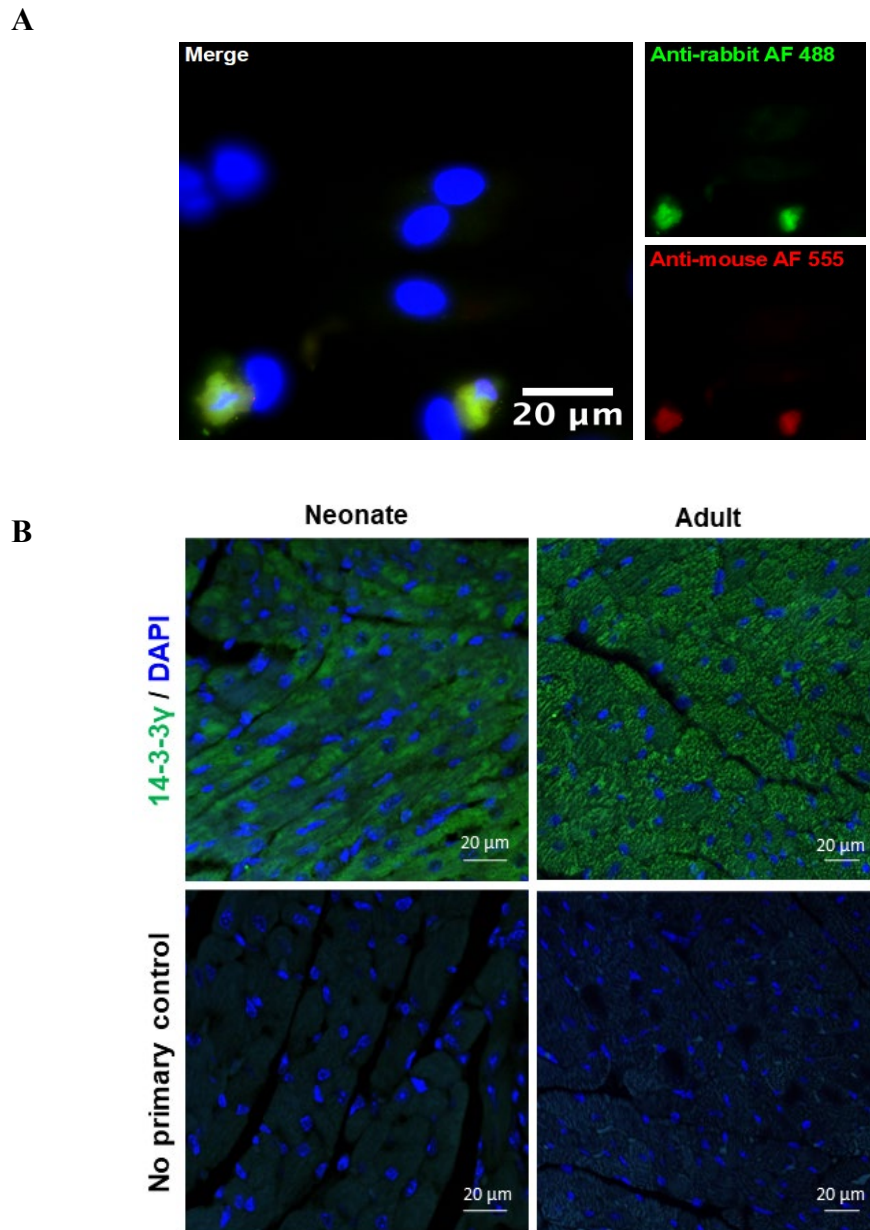
Supplementary Figure 3. Validation of 14-3-3 affinity capture of client proteins in heart lysates **A.** Negative controls were beads only (no 14-3-3 γ) and blocking with R18 peptide. **B.** Affinity capture incubated with varying amounts of input lysate. Ponceau S band shows the 14-3-3 γ on the beads.

Supplementary Figure 4



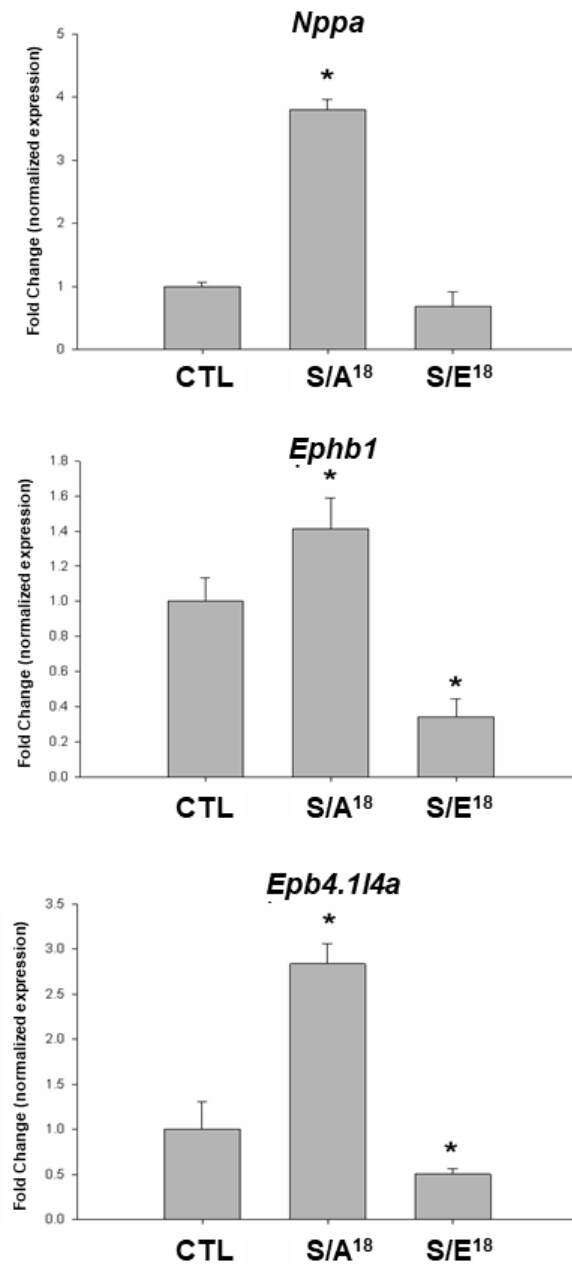
Supplementary Figure 4. Immunofluorescence staining in cultured neonatal rat ventricular myocytes. Co-staining with 14-3-3 γ specific antibody (*green*), α -actinin (*red*) and with DAPI (*blue*). Top row depicts the raw, uncropped images captured by the microscope. Bottom row shows enhanced images using the auto brightness/contrast adjust options from the Fiji (ImageJ) software.

Supplementary Figure 5



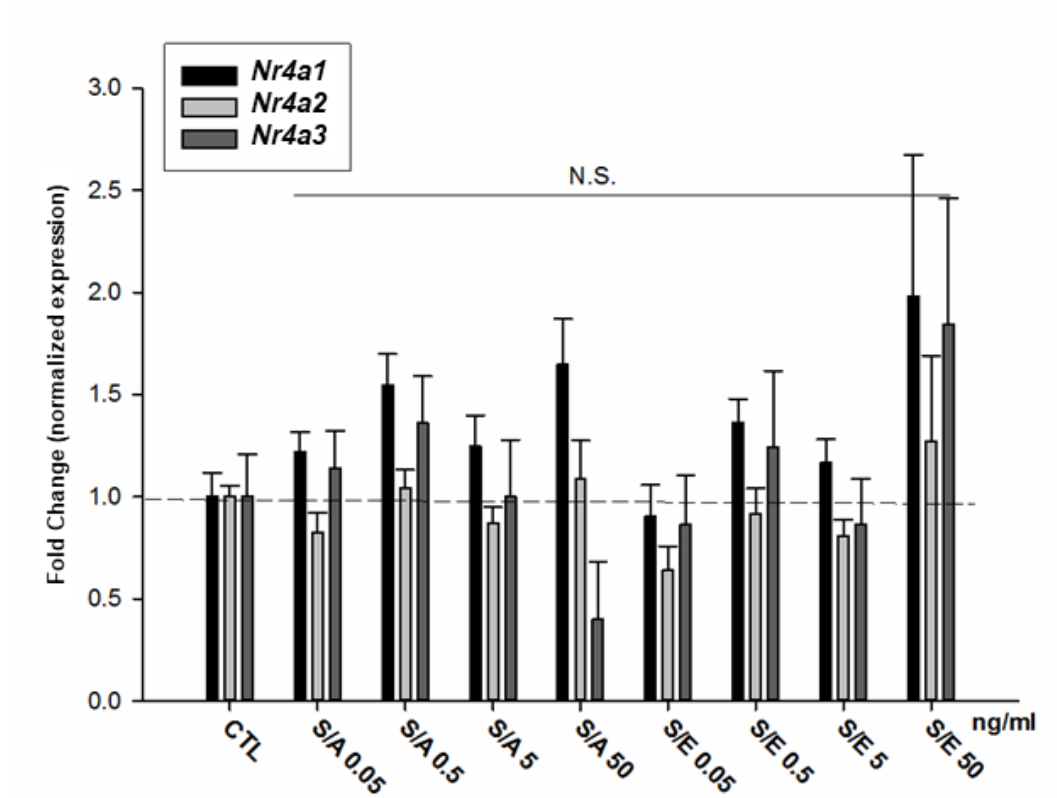
Supplementary Figure 5. Validation of 14-3-3 immunofluorescence staining in neonatal ventricular cardiac myocytes (NRVM) and the mouse heart. **A.** Secondary antibody staining alone in NRVMs, anti-rabbit AF488 (green) anti-mouse AF555 (red) and DAPI (blue). **B.** Upper panel shows 14-3-3 γ expression (green) and nuclear counterstaining (blue, DAPI) in neonatal and adult mice. Bottom panel shows secondary antibody staining alone in mouse heart sections, anti-rabbit AF568 (green) and DAPI (blue).

Supplementary Figure 6



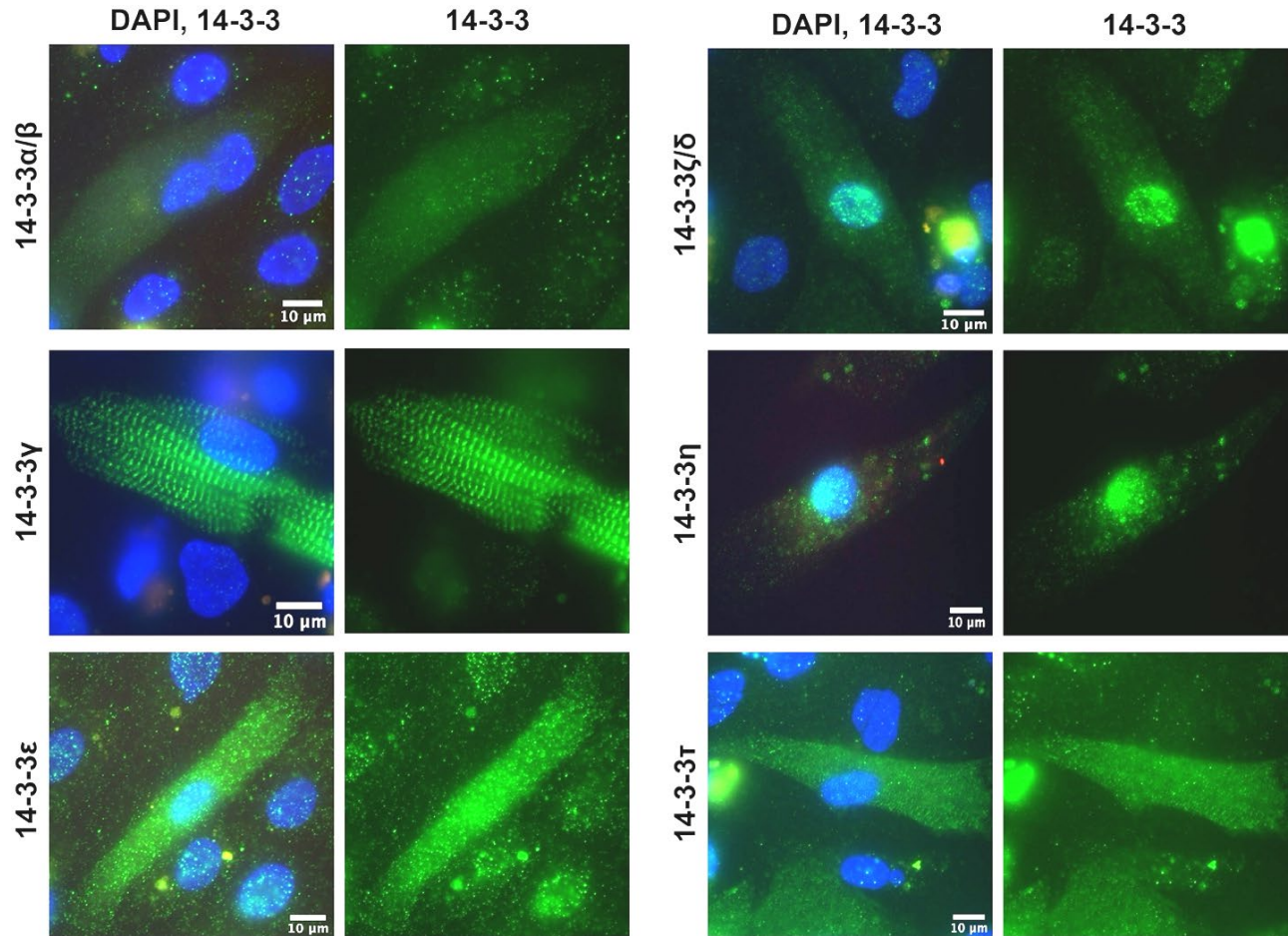
Supplementary Figure 6. Analysis and validation of reciprocally regulated genes in the hearts of peptide treated mice (4.5mg/kg/day) identified in the microarray. * $P < 0.05$ vs. CTL, $n = 5$.

Supplementary Figure 7



Supplementary Figure 7. Analysis of NR4A subfamily gene expression in HL-1 cells treated with MGF E-domain peptides for 1 hour in the DMEM media (n=6).

Supplementary Figure 8



Supplementary Figure 8. Subcellular distribution of 14-3-3 isoforms in neonatal rat ventricular myocytes (NRVM). Image gallery depicts immunostains of NRVMs stained with DAPI (*blue*) and isoform specific 14-3-3α/β, 14-3-3γ, 14-3-3 ε, 14-3-3 ζ/δ, 14-3-3 η, and 14-3-3τ antibodies in descending order (*green*). Scale bar, 10 μm.

Supplementary Figure 9

Name	Sequence	Uniprot ID	14-3-3 Pred score
HSPB6(mouse)	RRA[S ¹⁶]AP	Q5EBG6	1.133
	RAP[S ⁵⁹]VA		0.585
ARRB2 (mouse)	PRQ[S ³⁶¹]AP	Q91YI4	0.933
PRKD1(mouse)	RRL[S ²⁰³]NV	Q62101	0.870
	RSN[S ²⁵⁵]QS		0.833
	RSS[S ⁴²⁷]TV		0.619
MYPC3 (mouse)	RRT[S ²⁷³]LA	O70468	0.753
	REL[S ⁸²⁶]HE		0.708
	RTH[S ¹⁰³⁶]GT		0.674
	RVF[S ¹¹³⁷]HN		0.705
PLN (mouse)	RRA[S ¹⁶]TI	P61014	0.630
MGF (mouse)	RKG[S ¹⁵³]TF	Q4VJB9	0.764
MGF (human)	RKG[S ¹⁵²]TF	Q13429	0.475

Supplementary Figure 9. 14-3-3 Pred tool analysis of putative 14-3-3 binding sites in the proteins shown to interact with 14-3-3 γ and the MGF E-domain. The phosphoserine sites identified in each protein were selected based on highest 14-3-3 prediction scores. Phosphothreonine sites are not included.

Supplementary Methods

Supplementary Table 1. Peptide sequences

PEPTIDE	SEQUENCE
Stabilized native E-domain	¹ YQPPSTNKNTKSQ(d-R)(d-R)KGSTFEERK ²⁴
Stabilized S/A ¹⁸	¹ YQPPSTNKNTKSQ(d-R)(d-R)KGATFEERK ²⁴
Stabilized S/E ¹⁸	¹ YQPPSTNKNTKSQ(d-R)(d-R)KGETFEERK ²⁴
Stabilized pSer ¹⁸	¹ YQPPSTNKNTKSQ(d-R)(d-R)KGS(p)TFEERK ²⁴

Human MGF E-domain C-terminal 24-aa peptide analogs were synthesized and purified to >90% by HPLC (Lifetein Corp, NJ). All peptides were stabilized by amidating the C-terminus and switching the arginines^{14,15} to the D-stereoisomer.

Supplementary Table 2. qPCR Primers

Gene	Forward primer	Reverse primer	GenBank accession number
Nr4a1	TCATCACTGATCGACACG	CTTCAGACAGCTAGCAATG	NM_010444
Nr4a2	CTATGGTCACAGAGAGACAC	CAACAGTTTAGACAGGTAGTTG	NM_001139509
Nr4a3	GAAAAGATCCCAGGATTCAC	GTTTGACCTGATGGAAAGTC	NM_015743
NPPA	TGGAGGAGAAGATGCCGGTA	CGAAGCAGCTGGATCTTCGTAG	NM_008725
Ephb1	CCTCCTCCTATGGACTGCCC	AAGGCCGTGAAGTCTGGGATA	NM_173447
Epb4.114a	CAGGTGAAGCAAGATGCCCTT	GTCGTGGTCTCCCAGTTCG	NM_013512
Ppie	CCCATGAAAAGGGCTTTGGC	TGGTGTTCGGGCCAGAATTG	NM_019489
18s	TGAGGCCATGATTAAGAGGG	AGTCGGCATCGTTTATGGTC	NR_003278

Supplementary Table 3: Protein-coding genes differentially-expressed (either induced (black type-face) or repressed (blue type-face)) in *both* S/A¹⁸ and S/E¹⁸ peptide-treated animals in a *concordant* manner relative to saline-treated controls. Only genes exhibiting a fold-change (FC) ≥ 1.2 and p value (P) ≤ 0.05 are considered. In cases of multiple probes mapping to the same transcript, the greatest FC is reported. Genes are ranked according to average fold-change.

RefSeq/Ensembl ID	Gene Symbol	SA v Control		SE v Control		Mean FC
		FC	P	FC	P	
NM_024228	Gdpd3	22.5	4E-07	1.6	3E-02	12.1
NR_024202	Rny3	10.2	6E-05	13.0	3E-05	11.6
NR_004419	Rny1	4.3	7E-03	8.4	9E-04	6.3
NR_028519	Scarna6	4.7	4E-04	6.2	1E-04	5.4
BC068263	Ptcd3	5.0	4E-06	4.8	4E-06	4.9
NM_025279	Hnrnpk	3.5	2E-02	4.8	7E-03	4.1
ENSMUST00000099431	Gm10132	3.4	5E-04	4.6	1E-04	4.0
ENSMUST00000129884	Ep400	3.3	4E-04	4.6	8E-05	3.9
NR_004412	Rnu1b1	3.7	4E-06	3.7	4E-06	3.7
NM_019769	1500003O03Rik	2.9	2E-03	4.2	4E-04	3.5
NR_002847	Malat1	2.9	5E-03	4.2	1E-03	3.5
NR_002842	Rnu3a	3.3	3E-04	3.6	2E-04	3.5
NR_001460	Rmrp	2.9	2E-04	4.0	4E-05	3.4
NR_046144	Rn5s20	2.8	5E-04	3.9	9E-05	3.3
ENSMUST00000111031	Cd209a	3.0	1E-05	3.6	4E-06	3.3
NR_004418	Rnu73b	2.7	3E-02	3.8	9E-03	3.2
NM_024212	Rpl4	3.1	8E-04	3.3	6E-04	3.2
NM_207162	LOC382133	3.1	2E-02	3.0	2E-02	3.1
XM_001473524	Gm2427	2.6	6E-03	3.5	1E-03	3.0
ENSMUST00000125969	Eif4a2	3.1	4E-05	3.0	5E-05	3.0
NM_201530	Sly	3.1	2E-02	3.0	3E-02	3.0
NM_008143	Gnb2l1	2.6	1E-02	3.4	3E-03	3.0
NR_004439	Rprl2	2.5	2E-04	3.5	3E-05	3.0
NM_022020	Rbp7	2.7	2E-03	3.3	6E-04	3.0
ENSMUST00000096020	Gm10335	2.5	7E-04	3.4	1E-04	3.0
NM_009609	Actg1	2.4	3E-02	3.5	6E-03	2.9
NR_002142	Rpph1	2.7	2E-05	3.1	1E-05	2.9
NM_001033865	Rps27a	2.8	2E-03	3.0	1E-03	2.9
BC006722	Hspa8	3.1	1E-03	2.6	3E-03	2.9
ENSMUST00000139730	Top2a	3.7	3E-05	2.0	2E-03	2.9
ENSMUST00000024846	Myl12a	2.6	1E-02	3.0	6E-03	2.8
NM_018853	Rplp1	3.0	5E-06	2.6	1E-05	2.8
NM_001177574	Gm2022	3.0	4E-03	2.6	7E-03	2.8
NM_023821	Cmya5	2.9	3E-05	2.7	4E-05	2.8
BC059277	Ppan	2.5	1E-02	2.8	5E-03	2.7
ENSMUST00000092880	Tlcd1	1.7	3E-03	3.5	2E-05	2.6
BC147042	Gm561	2.5	3E-04	2.7	2E-04	2.6
NM_025551	Ndufa12	2.5	5E-03	2.7	3E-03	2.6

XM_983891	Gm13035	2.8	1E-05	2.3	5E-05	2.5
XM_001476642	Gm9602	2.7	5E-04	2.3	1E-03	2.5
ENSMUST00000123995	Eif4a1	2.3	7E-04	2.7	2E-04	2.5
NM_001166750	Vmn1r143	2.5	2E-02	2.5	2E-02	2.5
BC115528	Vmn1r233	2.1	4E-03	2.8	6E-04	2.4
NM_001166759	Vmn1r107	2.3	5E-02	2.5	3E-02	2.4
BC110660	Taf1d	2.2	1E-02	2.6	7E-03	2.4
NM_001166848	Vmn1r130	2.4	3E-02	2.4	3E-02	2.4
XR_141763	LOC100862317	2.3	8E-03	2.5	5E-03	2.4
XM_003086913	Gm13149	2.5	6E-06	2.2	2E-05	2.4
NM_080575	Acss1	2.2	4E-02	2.5	2E-02	2.3
NM_010634	Fabp5	1.9	3E-02	2.8	4E-03	2.3
NM_009220	Ssty1	2.6	6E-03	2.0	3E-02	2.3
XM_001480161	Gm4184	2.0	2E-05	2.6	3E-06	2.3
NM_001122661	Speer4e	2.3	2E-02	2.2	3E-02	2.3
NR_028538	Scarna2	2.3	1E-04	2.2	2E-04	2.2
ENSMUST00000074177	Olfr530	1.7	3E-02	2.7	2E-03	2.2
NM_148949	Tdpoz1	1.9	3E-02	2.5	6E-03	2.2
NM_001166726	Vmn1r127	2.0	3E-02	2.4	1E-02	2.2
NM_008854	Prkaca	2.3	7E-03	2.1	1E-02	2.2
NM_019912	Ube2d2a	2.0	8E-03	2.3	3E-03	2.2
ENSMUST00000140659	Rpl5	2.3	4E-03	2.1	7E-03	2.2
NM_019749	Gabarap	1.9	2E-02	2.4	5E-03	2.2
ENSMUST00000160976	Nop56	2.0	3E-02	2.3	1E-02	2.1
NM_001199332	LOC100041550	2.3	2E-02	2.0	4E-02	2.1
NM_021338	Rpl35a	2.0	2E-04	2.3	4E-05	2.1
NR_028574	Snhg8	2.1	5E-05	2.1	4E-05	2.1
ENSMUST00000167743	Ube4b	1.8	6E-04	2.4	7E-05	2.1
NM_175341	Mbnl2	2.3	2E-03	1.9	9E-03	2.1
ENSMUST00000169749	Lpl	1.8	2E-02	2.4	3E-03	2.1
NR_028576	Scarna13	1.8	2E-03	2.4	1E-04	2.1
NM_010726	Phyh	2.1	4E-02	2.1	4E-02	2.1
NM_019443	Ndufa1	2.0	8E-04	2.1	6E-04	2.1
NR_027885	Vaultrc5	2.0	5E-03	2.1	3E-03	2.1
NM_001252521	Picalm	1.9	2E-02	2.2	8E-03	2.0
NM_025292	Synj2bp	2.1	1E-02	2.0	2E-02	2.0
NM_010119	Ehd1	1.7	3E-02	2.3	5E-03	2.0
NM_010706	Lgals4	2.5	6E-04	1.5	3E-02	2.0
NR_028517	Scarna10	2.2	1E-05	1.8	8E-05	2.0
NM_001122682	Vmn1r132	2.1	3E-02	2.0	5E-02	2.0
NM_026703	Ndufa8	2.0	4E-02	2.0	4E-02	2.0
NR_033123	4933409K07Rik	2.6	7E-05	1.4	1E-02	2.0
BC062127	Zfp781	1.9	9E-04	2.2	2E-04	2.0
NM_153567	Slain2	2.0	4E-02	2.0	3E-02	2.0
NM_019770	Tmed2	2.2	4E-03	1.8	2E-02	2.0
NM_146277	Olfr1412	1.9	7E-03	2.1	2E-03	2.0

NM_001166749	Vmn1r142	1.9	4E-02	2.0	3E-02	2.0
NM_008997	Rab11b	1.8	7E-03	2.1	2E-03	2.0
NR_040432	Gm15708	2.1	6E-03	1.8	2E-02	2.0
AK079109	9430008C03Rik	2.0	7E-05	2.0	7E-05	2.0
NM_025987	Ndufa6	1.9	4E-04	2.1	1E-04	2.0
ENSMUST00000027997	Rgs5	1.7	3E-02	2.2	5E-03	2.0
NM_146645	Olfr1158	2.0	2E-02	1.9	3E-02	2.0
NR_033727	Rps27	1.7	8E-03	2.2	1E-03	2.0
ENSMUST00000135417	Gm7429	1.8	2E-02	2.1	5E-03	2.0
AK139259	Ywhaz	2.1	1E-02	1.8	2E-02	2.0
NM_011743	Zfp106	2.0	1E-02	1.8	3E-02	1.9
NM_001114754	Gm6121	1.9	5E-02	2.0	4E-02	1.9
NM_010886	Ndufa4	1.9	1E-04	2.0	7E-05	1.9
NM_001166747	Vmn1r135	1.9	4E-02	1.9	4E-02	1.9
NM_009529	Gm4836	1.8	3E-02	2.0	1E-02	1.9
ENSMUST00000121900	Gm2012	1.8	3E-02	2.0	1E-02	1.9
NM_025317	Mrpl54	1.8	5E-03	2.0	3E-03	1.9
NM_016802	Rhoa	1.9	4E-02	1.9	4E-02	1.9
NR_028560	Scarna17	1.9	2E-03	1.9	2E-03	1.9
NM_001040669	Gm5169	1.8	4E-02	2.0	2E-02	1.9
NM_009456	Ube2l3	2.0	2E-04	1.7	1E-03	1.9
ENSMUST00000020022	Smpdl3a	1.7	2E-02	2.1	6E-03	1.9
NR_004432	Rnu12	1.6	2E-03	2.1	1E-04	1.9
ENSMUST00000080866	Gm5453	1.6	7E-03	2.1	6E-04	1.9
NM_011343	Sec61g	1.6	2E-04	2.2	6E-06	1.9
NM_010432	Hipk1	1.8	4E-04	1.9	3E-04	1.9
AK163470	Ell2	1.8	2E-04	2.0	8E-05	1.9
DQ237930	Klrb1-ps1	2.0	1E-02	1.7	5E-02	1.9
XM_486208	Gm5614	1.9	3E-04	1.9	3E-04	1.9
NM_197979	Uqcr10	1.8	2E-02	2.0	1E-02	1.9
ENSMUST00000085631	Gm7589	1.5	3E-02	2.2	2E-03	1.9
BC096589	Zfp526	1.6	5E-02	2.1	7E-03	1.8
ENSMUST00000046515	Nceh1	1.9	9E-03	1.8	1E-02	1.8
NR_033388	Gm3002	1.9	1E-03	1.8	1E-03	1.8
NM_207523	Rpl23a	1.7	1E-04	1.9	4E-05	1.8
X14625	Igkv5-43	1.8	4E-02	1.8	4E-02	1.8
NM_025424	Nenf	2.1	2E-04	1.6	4E-03	1.8
ENSMUST00000091931	Gm10166	1.6	2E-04	2.0	2E-05	1.8
NM_027342	Fam162a	2.0	7E-04	1.6	6E-03	1.8
NM_001167578	Tcp10c	1.8	4E-02	1.8	4E-02	1.8
ENSMUST00000058437	Rpl7	1.6	3E-02	2.0	5E-03	1.8
NM_024173	Atp6v1g1	1.7	2E-02	1.9	7E-03	1.8
NM_011295	Rps12	1.7	6E-04	1.9	1E-04	1.8
NM_177192	Dennd5b	1.9	1E-03	1.7	4E-03	1.8
NM_001013786	Zfp187	1.7	4E-03	1.8	2E-03	1.8
NM_001166637	Gm4301	1.8	4E-03	1.8	4E-03	1.8

NM_027360	2010107E04Rik	1.6	3E-02	2.0	5E-03	1.8
XM_483949	Gm5428	1.7	1E-03	1.9	4E-04	1.8
NM_008249	Tfb2m	1.6	2E-02	1.9	5E-03	1.8
XM_003086019	LOC100504755	1.8	2E-02	1.7	4E-02	1.8
NM_001177535	Gm4340	1.7	6E-03	1.8	4E-03	1.8
NM_007710	Ckm	1.7	5E-02	1.8	2E-02	1.8
NM_175000	Hbq1a	1.9	6E-03	1.6	2E-02	1.8
NM_001177408	Gm15319	1.8	5E-03	1.7	1E-02	1.8
BC061237	BC061237	1.8	2E-02	1.7	2E-02	1.8
ENSMUST00000022826	Fitm1	1.7	7E-03	1.7	7E-03	1.7
NM_009169	Shfm1	1.5	1E-02	2.0	1E-03	1.7
NR_028042	Gm10012	1.6	6E-03	1.9	1E-03	1.7
ENSMUST00000154227	4921517L17Rik	1.6	2E-05	1.9	4E-06	1.7
BC147049	Fam131c	2.0	4E-04	1.4	2E-02	1.7
NM_178059	Etl4	1.5	8E-03	2.0	4E-04	1.7
BC013508	9130017N09Rik	1.6	3E-02	1.9	7E-03	1.7
XR_141965	Gm13815	1.4	5E-03	2.0	1E-04	1.7
XM_001479836	Gm9564	1.5	1E-02	2.0	5E-04	1.7
ENSMUST00000012849	Retn	1.8	1E-03	1.7	2E-03	1.7
NM_001039368	Polr2k	1.6	1E-03	1.9	2E-04	1.7
XM_915186	Gm13777	1.6	7E-04	1.8	2E-04	1.7
BC094068	Jund	2.0	2E-03	1.4	4E-02	1.7
NM_016738	Rpl13	1.7	7E-04	1.7	1E-03	1.7
NM_133834	Hnrnpf	1.6	2E-03	1.8	5E-04	1.7
NM_010106	Eef1a1	1.6	3E-03	1.8	8E-04	1.7
NM_025366	Chchd1	1.6	7E-03	1.8	3E-03	1.7
XM_001477032	Gm3453	1.8	3E-03	1.6	1E-02	1.7
NM_030694	Ifitm2	1.6	1E-02	1.8	6E-03	1.7
XM_885137	Gm6177	1.7	5E-02	1.7	4E-02	1.7
NM_027945	Csl	1.6	3E-02	1.8	8E-03	1.7
NM_018730	Rpl36	1.8	6E-05	1.7	1E-04	1.7
ENSMUST00000031670	Gng11	1.5	1E-02	1.9	7E-04	1.7
ENSMUST00000150618	Chchd7	1.9	4E-04	1.5	1E-02	1.7
ENSMUST00000094065	1810027O10Rik	1.6	2E-03	1.8	4E-04	1.7
ENSMUST00000105412	Col6a1	1.6	2E-03	1.8	4E-04	1.7
NM_029288	Gm10413	2.0	2E-04	1.4	1E-02	1.7
NM_177361	Ifna12	1.5	1E-02	1.8	3E-03	1.7
NM_001168334	Gm2799	1.5	6E-03	1.9	6E-04	1.7
NM_018871	Ywhag	1.7	2E-02	1.6	2E-02	1.7
NM_011288	Mrpl23	1.7	1E-03	1.7	7E-04	1.7
NM_008722	Npm1	1.5	4E-03	1.8	5E-04	1.7
NM_152810	Cdc5l	1.7	8E-03	1.7	9E-03	1.7
ENSMUST00000105087	Gm3940	1.5	2E-02	1.9	2E-03	1.7
NM_207635	Rps24	1.5	6E-03	1.8	1E-03	1.7
ENSMUST00000089635	Gm10029	1.8	1E-02	1.6	4E-02	1.7
NM_001191032	Cypt14	1.7	3E-03	1.7	3E-03	1.7

M94350	IgIv1	1.7	1E-02	1.6	2E-02	1.7
NR_004415	Rnu3b1	1.5	4E-02	1.8	6E-03	1.7
XR_140979	Gm16210	1.5	2E-02	1.8	4E-03	1.7
NM_009964	Cryab	1.6	2E-02	1.7	2E-02	1.7
NM_011507	Suclg2	1.6	8E-03	1.7	3E-03	1.7
XR_104802	Gm17608	1.7	2E-02	1.6	5E-02	1.6
NR_015545	4930481A15Rik	1.5	6E-03	1.8	1E-03	1.6
NM_026068	Med31	1.7	1E-04	1.6	2E-04	1.6
BC147528	1700018B08Rik	1.4	2E-02	1.8	2E-03	1.6
NM_001024706	Gm5458	1.8	5E-03	1.5	3E-02	1.6
NM_134042	Aldh6a1	1.6	2E-02	1.7	1E-02	1.6
XM_195264	Gm5058	1.6	2E-02	1.7	1E-02	1.6
ENSMUST00000166658	Pfdn5	1.6	4E-04	1.7	2E-04	1.6
NM_001039553	4930467E23Rik	1.6	6E-03	1.6	6E-03	1.6
NM_009941	Cox4i1	1.7	1E-04	1.5	7E-04	1.6
NM_001024618	Xirp2	1.6	4E-02	1.6	4E-02	1.6
NR_027059	2810008D09Rik	1.6	9E-03	1.7	3E-03	1.6
ENSMUST00000075549	Gm5451	1.6	3E-03	1.7	1E-03	1.6
ENSMUST00000169853	Msi2	1.8	4E-03	1.4	4E-02	1.6
ENSMUST00000032918	2900092E17Rik	1.7	2E-04	1.6	5E-04	1.6
ENSMUST00000080545	Rpl9	1.5	4E-03	1.7	1E-03	1.6
ENSMUST00000113154	Tmsb15a	1.7	3E-03	1.5	9E-03	1.6
ENSMUST00000095128	Ndufb6	1.6	4E-03	1.6	4E-03	1.6
NM_025983	Atp5e	1.6	3E-04	1.6	1E-04	1.6
XM_003086469	Rps15a-ps5	1.4	2E-02	1.8	2E-03	1.6
NM_010261	Rabac1	1.6	4E-04	1.6	3E-04	1.6
ENSMUST00000021632	Akr1c12	1.7	1E-02	1.5	3E-02	1.6
NM_011975	Rpl27a	1.4	3E-02	1.8	3E-03	1.6
AK015919	4930527J03Rik	1.7	5E-03	1.5	2E-02	1.6
NM_024439	H47	1.6	3E-03	1.6	4E-03	1.6
XM_003086803	LOC100040196	1.3	4E-02	1.9	3E-04	1.6
NM_010787	Mea1	1.4	1E-02	1.8	6E-04	1.6
NM_009296	Supt4h1	1.6	3E-03	1.6	2E-03	1.6
NM_024266	Rps25	1.6	2E-02	1.6	1E-02	1.6
NM_010664	Krt18	1.6	5E-02	1.6	4E-02	1.6
NM_001081220	Gpr179	1.4	2E-02	1.8	2E-03	1.6
XR_107580	Gm20021	1.6	1E-03	1.6	1E-03	1.6
ENSMUST00000080861	Rpl35	1.5	7E-03	1.7	1E-03	1.6
NM_026744	Mrpl53	1.6	1E-03	1.6	2E-03	1.6
XM_911155	Gm13637	1.5	6E-05	1.7	1E-05	1.6
AK031098	Gm9968	1.4	2E-02	1.7	3E-03	1.6
NM_001166708	Vmn1r119	1.5	3E-02	1.7	1E-02	1.6
ENSMUST00000114881	Rps10	1.4	2E-02	1.7	2E-03	1.6
BC094602	Tnks	1.6	2E-03	1.6	3E-03	1.6
ENSMUST00000160141	Sssca1	1.5	3E-02	1.7	9E-03	1.6
NM_016794	Vamp8	1.6	6E-04	1.5	1E-03	1.6

NM_001081273	1600015I10Rik	1.5	7E-03	1.7	1E-03	1.6
NM_025384	Dnajc15	1.7	2E-03	1.5	1E-02	1.6
NM_001081351	A430107O13Rik	1.6	3E-02	1.6	3E-02	1.6
NR_045050	9130015A21Rik	1.5	2E-02	1.7	7E-03	1.6
NM_009084	Rpl37a	1.5	5E-04	1.6	2E-04	1.6
NR_033515	Cyp2d37-ps	1.6	1E-02	1.6	1E-02	1.6
NR_040503	8430437L04Rik	1.6	1E-03	1.5	4E-03	1.6
NM_146781	Olfr922	1.4	3E-02	1.7	2E-03	1.6
NR_003630	Gm6498	1.6	1E-02	1.5	2E-02	1.6
NM_001256522	C330006A16Rik	1.6	6E-03	1.5	9E-03	1.6
NM_013795	Atp5l	1.5	1E-02	1.7	3E-03	1.6
AK135827	BC005512	1.4	2E-02	1.7	2E-03	1.6
NM_025440	Mrps16	1.5	1E-03	1.7	2E-04	1.6
ENSMUST00000091066	Gm5848	1.7	1E-02	1.5	4E-02	1.6
NM_001190356	Gm4832	1.4	4E-02	1.7	5E-03	1.6
NM_177171	Heatr5a	1.6	9E-03	1.5	1E-02	1.6
NM_011034	Prdx1	1.4	9E-04	1.7	4E-05	1.6
NM_001252218	Rpl31	1.5	9E-03	1.6	2E-03	1.6
NR_037961	1600020E01Rik	1.6	4E-03	1.5	6E-03	1.6
ENSMUST00000140679	Uba52	1.5	4E-05	1.6	9E-06	1.5
NM_013908	Fbxw5	1.6	1E-02	1.5	4E-02	1.5
NM_001114383	Luzp4	1.6	1E-02	1.5	3E-02	1.5
ENSMUST00000030533	Vwa5b1	1.4	4E-02	1.7	6E-03	1.5
NM_030207	Sfi1	1.6	1E-02	1.5	2E-02	1.5
NM_020498	Ly6i	1.6	6E-03	1.4	2E-02	1.5
BC004786	Igh-VJ558	1.5	6E-03	1.6	1E-03	1.5
XR_106239	Gm20095	1.4	3E-02	1.7	3E-03	1.5
ENSMUST00000160822	A130010J15Rik	1.4	2E-03	1.7	2E-04	1.5
ENSMUST00000129267	Lass2	1.6	8E-04	1.5	2E-03	1.5
ENSMUST00000072789	Gm10063	1.6	4E-03	1.5	2E-02	1.5
NM_001110229	Celf2	1.4	5E-03	1.6	1E-03	1.5
NR_040755	4930568E12Rik	1.5	3E-02	1.6	2E-02	1.5
XM_001002269	Gm8290	1.5	3E-02	1.6	2E-02	1.5
ENSMUST00000036996	Ndufb7	1.5	2E-03	1.6	5E-04	1.5
ENSMUST00000044043	LOC100046079	1.5	1E-03	1.6	8E-04	1.5
ENSMUST00000144720	Med24	1.6	3E-02	1.5	5E-02	1.5
NM_007507	Atp5k	1.5	2E-02	1.5	2E-02	1.5
NM_175393	4930555G01Rik	1.4	4E-02	1.6	9E-03	1.5
NM_026369	Arpc5	1.5	1E-02	1.5	8E-03	1.5
NM_001005520	Olfr231	1.5	7E-03	1.5	6E-03	1.5
BC024574	1110012L19Rik	1.4	1E-03	1.6	1E-04	1.5
NM_198167	Tmem63b	1.5	5E-03	1.5	8E-03	1.5
NM_008448	Kif5b	1.5	1E-03	1.5	8E-04	1.5
NM_001166634	Gm4302	1.6	3E-03	1.5	8E-03	1.5
NM_001013816	Gm5622	1.4	1E-02	1.6	4E-03	1.5
NR_045739	D330022K07Rik	1.6	9E-03	1.4	3E-02	1.5

NM_025587	Rps21	1.5	3E-03	1.6	1E-03	1.5
NM_007564	Zfp36l1	1.4	3E-02	1.6	1E-02	1.5
NR_045363	1700024F13Rik	1.5	4E-03	1.5	5E-03	1.5
NM_001082974	Neurl2	1.7	1E-03	1.3	2E-02	1.5
AK020613	9530057J20Rik	1.4	5E-02	1.6	2E-02	1.5
NM_001159483	Rpl19	1.5	6E-05	1.5	3E-05	1.5
NR_037569	1810026B05Rik	1.5	1E-02	1.5	2E-02	1.5
NM_026624	Fam166a	1.4	4E-02	1.6	2E-02	1.5
XM_001474034	Gm8239	1.3	2E-02	1.7	1E-03	1.5
NM_001141921	Lrfrn1	1.6	4E-03	1.4	3E-02	1.5
NM_029911	Kcnk10	1.4	3E-03	1.5	1E-03	1.5
XR_141809	Gm19270	1.4	2E-02	1.6	3E-03	1.5
NM_001145038	Gm2933	1.6	1E-02	1.4	3E-02	1.5
NM_147072	Olfr641	1.5	3E-02	1.5	2E-02	1.5
NM_001162933	Rpl10l	1.4	4E-02	1.6	1E-02	1.5
XR_141970	Gm20325	1.3	1E-02	1.7	3E-04	1.5
NM_009093	Rps29	1.4	6E-04	1.6	1E-04	1.5
NM_145587	Sbk1	1.7	3E-05	1.3	2E-03	1.5
NM_177715	Kctd12	1.5	3E-02	1.5	2E-02	1.5
ENSMUST00000108430	Rps19	1.4	4E-03	1.5	1E-03	1.5
ENSMUST00000052832	2410015M20Rik	1.4	2E-02	1.5	9E-03	1.5
NM_011029	Rpsa	1.5	4E-03	1.5	5E-03	1.5
NM_013536	Emg1	1.4	3E-03	1.5	6E-04	1.5
NM_134185	Vmn1r9	1.5	4E-03	1.5	3E-03	1.5
NM_001163713	Tufm	1.4	6E-03	1.5	2E-03	1.5
ENSMUST00000020717	Arf5	1.5	6E-03	1.4	1E-02	1.5
NM_001081662	C86695	1.5	3E-02	1.5	3E-02	1.5
NM_001029930	Gm5796	1.6	3E-03	1.4	2E-02	1.5
ENSMUST00000030348	Magoh	1.4	3E-02	1.5	3E-02	1.5
NM_019865	Rpl36a	1.5	6E-04	1.4	2E-03	1.5
NM_007748	Cox6a1	1.5	1E-04	1.5	1E-04	1.5
NM_007475	Rplp0	1.3	4E-02	1.7	1E-03	1.5
NM_008683	Nedd8	1.5	9E-03	1.4	1E-02	1.5
NR_045895	Gm13546	1.5	2E-03	1.4	4E-03	1.5
NM_133188	Dazap1	1.5	9E-05	1.4	4E-04	1.5
NM_001033142	Rnf166	1.6	4E-06	1.3	1E-04	1.5
NM_026533	Rps13	1.4	2E-02	1.5	1E-02	1.5
NM_175163	Zfp689	1.3	1E-02	1.6	3E-04	1.5
NM_153071	Gprc6a	1.5	9E-03	1.4	3E-02	1.5
ENSMUST00000030124	Tal2	1.5	5E-04	1.4	1E-03	1.5
NM_026014	Cdt1	1.5	2E-02	1.4	3E-02	1.5
NM_144942	Csad	1.4	8E-03	1.5	2E-03	1.5
NM_026794	Deb1	1.5	4E-03	1.4	6E-03	1.5
NM_145144	Aif1l	1.5	5E-03	1.4	2E-02	1.5
NM_001081312	Tmco2	1.3	3E-02	1.6	7E-04	1.5
NM_009775	Tspo	1.5	2E-04	1.4	1E-03	1.5

NM_025348	Ndufa3	1.4	1E-02	1.5	3E-03	1.4
NM_172511	Abhd10	1.5	1E-02	1.4	1E-02	1.4
NM_023684	Lime1	1.4	2E-02	1.5	2E-02	1.4
NM_010058	Dmwd	1.5	9E-04	1.4	1E-03	1.4
NM_021447	Trim54	1.4	9E-04	1.5	4E-04	1.4
NM_133711	Spata4	1.4	3E-03	1.5	2E-03	1.4
ENSMUST00000036088	Gngt2	1.3	1E-02	1.6	4E-04	1.4
J02622	Got2	1.5	4E-02	1.4	5E-02	1.4
NM_177213	Abca15	1.4	2E-02	1.4	2E-02	1.4
NM_001163028	Bcmo1	1.5	3E-02	1.4	4E-02	1.4
NM_001161338	Sh3bp5l	1.4	3E-02	1.5	1E-02	1.4
ENSMUST00000161023	1810035L17Rik	1.4	3E-02	1.5	2E-02	1.4
NM_133731	Prss22	1.5	4E-03	1.3	2E-02	1.4
XR_141767	Gm20555	1.4	6E-04	1.5	3E-04	1.4
NM_177723	Vsig8	1.5	4E-02	1.4	5E-02	1.4
NM_027244	Ndufa11	1.4	4E-02	1.5	1E-02	1.4
NM_019950	Chst5	1.4	3E-02	1.4	3E-02	1.4
AK138535	Bmpr2	1.4	3E-02	1.5	3E-02	1.4
NM_016749	Mybph	1.4	2E-02	1.5	6E-03	1.4
ENSMUST00000135884	Nme1	1.4	8E-03	1.5	4E-03	1.4
NM_001040461	Dear1	1.4	4E-02	1.4	4E-02	1.4
NR_045332	E330023G01	1.5	7E-03	1.4	1E-02	1.4
NM_013748	Clnk	1.4	3E-02	1.4	4E-02	1.4
NR_045299	2900076A07Rik	1.4	4E-02	1.5	2E-02	1.4
XR_142256	E330027M22Rik	1.3	4E-02	1.5	7E-03	1.4
ENSMUST00000014080	Myl2	1.5	1E-03	1.4	4E-03	1.4
NM_008944	Psma2	1.4	1E-02	1.5	6E-03	1.4
NM_009347	Tecta	1.5	2E-03	1.3	1E-02	1.4
NM_001160239	Fau	1.4	3E-03	1.5	6E-04	1.4
NM_009883	Cebpb	1.4	3E-02	1.4	2E-02	1.4
BC060261	Ppp1r3b	1.5	2E-02	1.4	5E-02	1.4
NM_009889	Cga	1.3	4E-02	1.6	2E-03	1.4
NM_001004365	Actr3b	1.5	1E-03	1.3	1E-02	1.4
ENSMUST00000106357	Ypel3	1.5	1E-02	1.4	2E-02	1.4
NM_019880	Mtch1	1.4	1E-04	1.4	2E-04	1.4
NR_028021	Ppifos	1.6	5E-04	1.3	1E-02	1.4
NM_001085500	Cisd3	1.4	2E-02	1.4	2E-02	1.4
XR_142086	Gm12739	1.3	3E-02	1.5	8E-03	1.4
NR_040580	1700094J05Rik	1.4	3E-02	1.4	3E-02	1.4
ENSMUST00000107237	Psmd4	1.4	1E-03	1.4	3E-03	1.4
NM_177250	Lingo4	1.3	2E-02	1.5	4E-03	1.4
NM_026468	Atp5g2	1.4	5E-05	1.4	3E-05	1.4
ENSMUST00000041366	Polr2j	1.3	1E-02	1.5	1E-03	1.4
NM_007886	Dtnb	1.4	2E-02	1.4	2E-02	1.4
BC145053	A530021J07Rik	1.3	2E-02	1.5	2E-03	1.4
NM_080455	Tshz2	1.5	5E-03	1.3	2E-02	1.4

ENSMUST00000033683	Rps4x	1.3	3E-04	1.5	2E-05	1.4
NM_025559	1810046J19Rik	1.3	2E-02	1.5	3E-03	1.4
NM_011289	Rpl27	1.4	4E-03	1.4	2E-03	1.4
NM_009470	Umod	1.4	1E-02	1.4	1E-02	1.4
NM_028809	Arcp5l	1.5	2E-05	1.3	9E-05	1.4
NM_138601	D10Jhu81e	1.5	4E-03	1.3	2E-02	1.4
NM_146305	Olfr420	1.5	3E-03	1.3	2E-02	1.4
NM_010689	Lat	1.4	5E-02	1.4	3E-02	1.4
NM_133236	Glcci1	1.4	3E-03	1.4	6E-03	1.4
NM_028157	Fam75d3	1.4	5E-02	1.4	3E-02	1.4
ENSMUST00000040372	1810006K21Rik	1.4	3E-02	1.4	2E-02	1.4
NM_001110148	Mgat1	1.5	2E-03	1.3	4E-02	1.4
NM_028659	Eif3k	1.4	9E-03	1.4	1E-02	1.4
NR_037679	5330439B14Rik	1.4	2E-02	1.3	4E-02	1.4
NM_025583	Ctrb1	1.4	4E-02	1.4	3E-02	1.4
NR_045476	1700007J10Rik	1.4	3E-02	1.4	3E-02	1.4
ENSMUST00000105454	Col13a1	1.4	2E-02	1.4	2E-02	1.4
NM_147070	Olfr603	1.3	6E-03	1.5	8E-04	1.4
NM_001166206	Erv3	1.3	2E-02	1.5	2E-03	1.4
NM_172457	Mob3a	1.4	2E-02	1.4	1E-02	1.4
NM_025790	Acot13	1.3	3E-02	1.5	2E-03	1.4
NR_045952	Gm4719	1.2	2E-02	1.6	4E-04	1.4
NM_011307	Uimc1	1.4	5E-04	1.4	5E-04	1.4
ENSMUST00000127405	Nhp2	1.3	2E-02	1.5	4E-03	1.4
NR_028367	Nip7	1.4	9E-03	1.4	7E-03	1.4
NM_008811	Pdha2	1.3	2E-02	1.4	9E-03	1.4
NM_001029890	Mex3a	1.4	2E-03	1.3	8E-03	1.4
BC096614	6030419C18Rik	1.5	2E-03	1.3	2E-02	1.4
NR_033444	Krt74	1.4	7E-03	1.4	4E-03	1.4
NM_018772	Bri3	1.5	9E-05	1.3	3E-03	1.4
NM_010599	Kcnab3	1.5	1E-04	1.2	1E-02	1.4
NM_133664	Lad1	1.4	3E-04	1.4	3E-04	1.4
NM_028923	Gle1	1.5	4E-04	1.3	8E-03	1.4
NR_045794	Gm16907	1.4	4E-02	1.4	4E-02	1.4
NM_028146	Dbnidd1	1.3	4E-03	1.4	2E-03	1.4
ENSMUST00000003100	Cyp2f2	1.3	4E-02	1.4	2E-02	1.4
NM_013848	Ermap	1.4	2E-02	1.4	2E-02	1.4
ENSMUST00000085894	Ccdc19	1.3	1E-02	1.4	8E-03	1.4
ENSMUST00000033755	Asb11	1.3	2E-03	1.4	4E-04	1.4
ENSMUST00000005923	Psmb4	1.4	1E-02	1.3	5E-02	1.4
ENSMUST00000141116	Taf10	1.3	4E-04	1.4	1E-04	1.4
NM_001165957	Nme9	1.3	4E-02	1.4	2E-02	1.4
NM_007531	Phb2	1.4	3E-04	1.3	1E-03	1.4
NR_027352	Vash2	1.5	3E-03	1.3	2E-02	1.4
NM_026636	5430437P03Rik	1.4	1E-03	1.3	7E-03	1.4
ENSMUST00000000910	Dbh	1.3	5E-02	1.4	2E-02	1.4

NM_008206	H2-Oa	1.4	6E-03	1.4	7E-03	1.4
NM_022656	Nisch	1.4	7E-03	1.3	2E-02	1.4
NM_001081044	Mylk2	1.3	4E-02	1.4	1E-02	1.4
NM_182745	1700028K03Rik	1.3	8E-03	1.4	3E-03	1.4
ENSMUST00000081679	Gm6404	1.3	2E-02	1.4	3E-03	1.4
XM_893121	Rpl31-ps20	1.3	2E-02	1.4	1E-02	1.4
NM_021299	Ak3	1.3	3E-02	1.4	2E-02	1.4
NM_008251	Hmgn1	1.4	4E-03	1.3	3E-02	1.4
NM_139139	Dnajc17	1.3	1E-02	1.4	9E-03	1.4
ENSMUST00000028005	Mgst3	1.3	1E-02	1.4	9E-03	1.4
NR_045287	1700097N02Rik	1.4	7E-03	1.3	4E-02	1.4
ENSMUST00000029698	Lamtor2	1.4	5E-03	1.3	2E-02	1.4
NM_026972	Cd209b	1.4	1E-02	1.3	4E-02	1.4
AK154763	Gm10624	1.2	3E-02	1.5	2E-03	1.4
NR_029731	Mirlet7f-1	1.4	2E-02	1.3	3E-02	1.4
XR_106926	LOC100505027	1.2	4E-02	1.5	2E-03	1.4
NM_008248	Hint1	1.4	3E-05	1.3	2E-04	1.4
NM_027066	Tmem89	1.4	1E-02	1.3	4E-02	1.4
NM_011354	Serf2	1.4	2E-05	1.3	7E-05	1.4
NM_013648	Rtn2	1.3	2E-02	1.4	9E-03	1.4
NM_053251	Gm4736	1.3	4E-02	1.4	3E-02	1.4
NM_178594	Vtcn1	1.4	2E-02	1.3	5E-02	1.4
ENSMUST00000113749	Plcd4	1.4	7E-03	1.3	3E-02	1.4
NM_172895	Fam71e2	1.3	4E-02	1.4	2E-02	1.3
NM_013874	Dpf1	1.4	1E-02	1.3	2E-02	1.3
NM_026506	Snrpg	1.3	9E-03	1.4	5E-03	1.3
NM_028281	Pcbd2	1.3	4E-02	1.4	2E-02	1.3
NM_026042	Med29	1.3	4E-02	1.4	1E-02	1.3
NM_008705	Nme2	1.3	4E-04	1.4	1E-04	1.3
NM_019675	Stmn4	1.3	3E-03	1.3	3E-03	1.3
ENSMUST00000109913	Nr3c2	1.3	5E-02	1.4	2E-02	1.3
NM_021505	Anapc5	1.4	1E-03	1.3	2E-03	1.3
NM_001166480	Ssr4	1.3	2E-02	1.4	2E-03	1.3
NM_001164729	Tomm6	1.3	5E-04	1.3	5E-04	1.3
AK020767	A430105J06Rik	1.4	2E-02	1.3	3E-02	1.3
ENSMUST00000045602	Ndufb10	1.4	1E-02	1.3	1E-02	1.3
NM_028758	Gga2	1.4	2E-02	1.3	4E-02	1.3
NM_013523	Fshr	1.3	3E-02	1.4	2E-02	1.3
NR_037973	Gm20597	1.2	4E-03	1.4	1E-04	1.3
NM_009785	Cacna2d3	1.4	3E-02	1.3	4E-02	1.3
NM_025628	Cox6b1	1.3	1E-02	1.4	1E-03	1.3
NM_009113	S100a13	1.3	4E-03	1.4	2E-03	1.3
NM_027306	Zdhhc25	1.2	3E-02	1.4	2E-03	1.3
ENSMUST00000024697	Hcfc1r1	1.4	1E-02	1.3	2E-02	1.3
NM_001081069	Rgs11	1.4	1E-02	1.3	2E-02	1.3
NM_011886	Scamp3	1.3	2E-02	1.4	3E-03	1.3

NR_038151	2410004N09Rik	1.4	4E-03	1.2	4E-02	1.3
ENSMUST00000021412	Psmab6	1.3	7E-03	1.3	5E-03	1.3
NM_194344	Sh3tc1	1.3	2E-02	1.4	1E-02	1.3
NM_178750	Ss18l1	1.4	2E-02	1.3	5E-02	1.3
NM_008162	Gpx4	1.3	3E-02	1.3	3E-02	1.3
NM_010795	Mgat3	1.4	1E-02	1.3	3E-02	1.3
NM_201531	Kcnf1	1.4	2E-02	1.3	4E-02	1.3
NM_025324	Zfp524	1.3	6E-04	1.4	1E-04	1.3
NM_001004147	Fbl11	1.3	3E-02	1.3	3E-02	1.3
NM_177200	Svopl	1.3	2E-02	1.4	4E-03	1.3
NR_037975	Gm5105	1.4	5E-03	1.3	2E-02	1.3
NM_001200055	AU018829	1.4	5E-03	1.3	2E-02	1.3
BC132142	4921504E06Rik	1.3	2E-02	1.3	1E-02	1.3
NM_145579	Mypop	1.4	2E-03	1.3	1E-02	1.3
NM_026526	N6amt2	1.3	5E-02	1.3	4E-02	1.3
AK019842	4930595D18Rik	1.2	2E-02	1.4	3E-03	1.3
NM_013541	Gstp1	1.4	2E-03	1.3	4E-03	1.3
NM_145495	Rin1	1.3	6E-04	1.4	1E-04	1.3
BC100531	4832428D23Rik	1.3	4E-02	1.4	2E-02	1.3
NM_026332	Dnajc19	1.3	3E-02	1.3	2E-02	1.3
NM_010798	Mif	1.4	7E-03	1.3	2E-02	1.3
NM_148952	E2f4	1.3	2E-05	1.3	5E-05	1.3
NM_001077696	Hdac5	1.4	3E-03	1.2	4E-02	1.3
NM_053249	Krt82	1.3	2E-02	1.3	3E-02	1.3
NM_016872	Vamp5	1.4	5E-05	1.2	2E-03	1.3
XM_003085851	Gm270	1.4	4E-03	1.3	2E-02	1.3
NR_033301	Gm5627	1.3	1E-02	1.3	2E-02	1.3
NM_008734	Nrg3	1.3	1E-02	1.3	2E-02	1.3
NM_001111066	Fkbp8	1.3	2E-03	1.3	5E-03	1.3
NM_011944	Map2k7	1.3	1E-03	1.4	3E-04	1.3
NM_011149	Ppib	1.2	7E-03	1.4	4E-04	1.3
XM_003085238	Gm19956	1.3	4E-02	1.3	5E-02	1.3
NM_053085	Tcf23	1.4	6E-03	1.3	3E-02	1.3
NM_207545	Vmn1r179	1.3	2E-02	1.3	3E-02	1.3
NM_177613	Cdc34	1.3	3E-02	1.4	9E-03	1.3
NM_001025608	D4Ertd22e	1.4	7E-03	1.2	3E-02	1.3
AK145005	2010300F17Rik	1.2	1E-02	1.4	3E-03	1.3
NM_172416	Ostm1	1.3	2E-02	1.3	3E-02	1.3
NM_145421	Fam108a	1.3	2E-02	1.3	8E-03	1.3
NM_023323	Rpf2	1.2	1E-02	1.4	8E-04	1.3
NM_018758	Apba3	1.4	1E-03	1.2	8E-03	1.3
NR_044987	Gm5441	1.2	8E-03	1.4	1E-03	1.3
NM_029775	Dcun1d5	1.3	8E-03	1.3	6E-03	1.3
NM_008045	Fshb	1.2	3E-02	1.4	4E-03	1.3
BC147515	Gm906	1.3	1E-02	1.4	3E-03	1.3
NM_011319	Sars	1.2	3E-02	1.4	2E-03	1.3

NM_001145096	Hhla1	1.3	3E-02	1.3	3E-02	1.3
NM_029555	Gstk1	1.3	2E-02	1.3	1E-02	1.3
NM_177261	Kndc1	1.3	2E-02	1.3	7E-03	1.3
XM_003084838	Gm20091	1.2	2E-02	1.4	4E-03	1.3
NM_010888	Ndufs6	1.3	3E-03	1.3	2E-03	1.3
NM_181394	Anapc13	1.2	8E-03	1.4	5E-04	1.3
ENSMUST00000028335	Grin1	1.3	7E-03	1.3	2E-02	1.3
NM_008427	Kcnj4	1.3	4E-02	1.3	3E-02	1.3
NM_139296	Moxd2	1.2	2E-02	1.3	5E-03	1.3
ENSMUST00000026236	Tlx1	1.3	4E-02	1.3	3E-02	1.3
NM_001171512	Obscn	1.4	2E-03	1.2	2E-02	1.3
ENSMUST00000056571	Syne1	1.3	4E-02	1.3	5E-02	1.3
NM_008233	Hdgfrp2	1.3	9E-04	1.3	1E-03	1.3
NM_001081644	Gm428	1.3	4E-02	1.3	4E-02	1.3
NM_001039198	Zfhx2	1.4	8E-04	1.2	1E-02	1.3
NM_009900	Clcn2	1.3	6E-03	1.3	1E-02	1.3
NM_011482	Nhp2l1	1.3	2E-03	1.3	5E-04	1.3
ENSMUST00000005015	Prcc	1.4	4E-04	1.2	7E-03	1.3
NM_001145537	4930544D05Rik	1.3	1E-02	1.3	4E-03	1.3
NM_001256056	9330182O14Rik	1.4	6E-03	1.2	5E-02	1.3
NM_001081382	Zfp777	1.2	3E-02	1.3	5E-03	1.3
NM_023670	Igf2bp3	1.2	3E-02	1.3	4E-03	1.3
NM_010072	Dpm1	1.3	9E-03	1.2	3E-02	1.3
NM_173016	Vat1l	1.3	3E-02	1.3	3E-02	1.3
NM_153388	Lrfr4	1.3	2E-02	1.3	2E-02	1.3
NM_001164735	Crif2	1.3	1E-02	1.3	2E-02	1.3
NM_027909	C2cd2l	1.3	1E-02	1.2	5E-02	1.3
NM_001243937	Gm3139	1.3	8E-03	1.3	2E-02	1.3
NM_207678	Ccnl2	1.3	4E-03	1.2	2E-02	1.3
ENSMUST00000023851	Ndufa5	1.2	1E-02	1.3	3E-03	1.3
NM_007747	Cox5a	1.3	2E-03	1.2	1E-02	1.3
NM_133976	Imp3	1.2	8E-03	1.3	7E-04	1.3
NM_009943	Cox6a2	1.2	3E-03	1.3	5E-04	1.3
NM_028064	Slc39a4	1.3	2E-02	1.3	2E-02	1.3
NR_024208	Sycp1-ps1	1.3	7E-03	1.2	3E-02	1.3
NM_024256	B3gat3	1.2	2E-02	1.3	3E-03	1.3
ENSMUST00000004389	Grcc10	1.3	2E-02	1.2	4E-02	1.3
XR_032431	Gm4997	1.2	2E-02	1.3	3E-03	1.3
NM_080285	Cttnbp2	1.2	5E-02	1.3	2E-02	1.3
NM_025376	Tmem8c	1.3	8E-03	1.2	2E-02	1.3
NM_028820	1700017B05Rik	1.2	5E-02	1.3	4E-02	1.3
ENSMUST00000061745	Hoxd10	1.2	1E-02	1.3	5E-03	1.3
NM_029296	1700001C19Rik	1.2	4E-02	1.3	3E-02	1.3
NM_030068	Iqch	1.2	2E-02	1.3	1E-02	1.3
NM_009945	Cox7a2	1.2	4E-03	1.3	2E-03	1.3
NM_172775	Plxnb1	1.3	2E-03	1.3	2E-03	1.3

NM_012053	Rpl8	1.3	5E-03	1.3	5E-03	1.3
NM_007682	Cenpb	1.3	9E-03	1.2	1E-02	1.2
NM_007431	Alpl	1.3	4E-02	1.2	5E-02	1.2
NM_052992	Fxyd1	1.3	1E-04	1.2	2E-04	1.2
AK080553	A730085E03Rik	1.2	4E-02	1.3	3E-02	1.2
NM_175450	Wdr18	1.3	2E-02	1.2	3E-02	1.2
NM_028865	1110005A03Rik	1.2	4E-02	1.3	3E-02	1.2
NM_178631	Raly1	1.3	3E-02	1.2	5E-02	1.2
NM_172747	Kctd13	1.2	2E-02	1.2	2E-02	1.2
NM_007589	Calm2	1.2	1E-02	1.3	3E-03	1.2
ENSMUST00000032912	Qprt	1.2	1E-02	1.2	1E-02	1.2
NM_009439	Psmc3	1.2	1E-02	1.2	1E-02	1.2
NM_025966	2310039H08Rik	1.2	1E-02	1.2	8E-03	1.2
ENSMUST00000088610	Romo1	1.2	3E-02	1.3	2E-02	1.2
ENSMUST00000163492	Slc29a1	1.2	4E-03	1.2	5E-03	1.2
NM_023326	Bmyc	1.2	3E-02	1.2	2E-02	1.2
NM_053231	Vmn1r10	1.2	3E-02	1.2	4E-02	1.2
NM_177603	Frat2	1.2	5E-02	1.3	2E-02	1.2
NM_001002267	Tmem158	1.2	4E-02	1.3	2E-02	1.2
NM_173013	Mtap1s	1.3	2E-02	1.2	4E-02	1.2
NM_001253843	Prpf19	1.2	9E-03	1.2	9E-03	1.2
NM_001083618	Ttll9	1.2	3E-02	1.2	3E-02	1.2
NM_146075	Lemd2	1.2	9E-04	1.2	7E-04	1.2
NM_178639	Sfxn5	1.2	3E-02	1.2	4E-02	1.2
NM_198613	Ap2s1	1.2	1E-02	1.2	7E-03	1.2
NM_026305	Tceb2	1.2	3E-02	1.2	3E-02	1.2
NM_026063	2900010M23Rik	1.2	3E-02	1.2	5E-02	1.2
NM_001242363	Fam160a2	1.2	2E-02	1.2	4E-02	1.2
NM_009448	Tuba1c	1.2	3E-02	1.2	5E-02	1.2
NM_011193	Pstpip1	1.2	3E-02	1.2	2E-02	1.2
NM_172914	Ccdc113	1.2	1E-02	1.2	3E-02	1.2
NM_016916	Blcap	1.2	3E-02	1.2	5E-02	1.2
NM_133865	Dclre1b	1.2	2E-02	1.2	1E-02	1.2
NM_001145884	Itgb5	1.2	6E-03	1.2	5E-03	1.2
NM_175552	Wdr3	1.2	1E-02	1.2	1E-02	1.2
ENSMUST00000063704	Gm13152	-6.4	2E-06	-1.5	2E-02	-3.9
NM_133871	Ifi44	-4.8	8E-05	-2.2	4E-03	-3.5
NM_001101475	F830016B08Rik	-4.5	4E-05	-2.0	4E-03	-3.2
NM_013751	Hrasls	-5.0	3E-07	-1.4	5E-03	-3.2
NM_172921	Fam55d	-4.5	2E-05	-1.5	3E-02	-3.0
NM_001013769	Rsl1	-3.8	1E-06	-2.1	5E-05	-3.0
NM_028747	0610012H03Rik	-3.9	3E-07	-1.5	7E-04	-2.7
NM_008777	Pah	-3.5	2E-04	-1.7	2E-02	-2.6
BC147845	Uppt	-2.5	5E-06	-2.6	4E-06	-2.6
NM_027698	Eri2	-2.7	3E-04	-2.3	9E-04	-2.5
NM_009082	Rpl29	-3.5	4E-06	-1.3	3E-02	-2.4

NM_145545	Gbp7	-2.7	7E-03	-2.0	4E-02	-2.3
NM_010554	Il1a	-1.8	7E-03	-2.8	3E-04	-2.3
NM_007646	Cd38	-2.5	5E-05	-2.0	3E-04	-2.3
NM_011765	Zfp97	-2.7	2E-03	-1.7	4E-02	-2.2
NM_020557	Cmpk2	-2.8	1E-05	-1.5	3E-03	-2.2
NM_001256005	Gbp4	-2.6	2E-03	-1.8	3E-02	-2.2
NM_018887	Cyp39a1	-2.7	6E-05	-1.6	4E-03	-2.2
NM_009855	Cd80	-2.5	6E-04	-1.8	6E-03	-2.2
NM_025679	Sike1	-2.1	3E-06	-2.2	2E-06	-2.1
NM_011654	Tuba1b	-1.7	2E-02	-2.5	1E-03	-2.1
NM_013912	Apln	-2.3	9E-04	-1.9	4E-03	-2.1
NM_011419	Kdm5d	-2.9	7E-07	-1.3	6E-03	-2.1
NM_153564	Gbp5	-2.6	9E-04	-1.6	3E-02	-2.1
NM_019440	Irgm2	-2.4	5E-04	-1.7	6E-03	-2.1
NM_026810	Mlh1	-2.6	1E-04	-1.5	2E-02	-2.1
NM_001113478	Frrs1	-2.2	7E-05	-1.9	3E-04	-2.0
ENSMUST00000115217	Napepld	-1.9	3E-03	-2.1	1E-03	-2.0
ENSMUST00000029270	Ccna2	-2.4	9E-04	-1.6	2E-02	-2.0
NM_146203	Zfp764	-2.1	1E-03	-1.9	2E-03	-2.0
NM_028319	Zfp518a	-1.9	1E-05	-2.1	4E-06	-2.0
NM_001033780	I830077J02Rik	-2.3	3E-03	-1.6	5E-02	-2.0
NM_016923	Ly96	-2.1	4E-04	-1.8	2E-03	-1.9
NM_001025373	Zfp943	-2.4	4E-05	-1.4	9E-03	-1.9
NM_027654	Pcgf6	-1.9	6E-03	-1.9	6E-03	-1.9
NM_011909	Usp18	-2.3	2E-03	-1.5	5E-02	-1.9
NM_015754	Rbbp9	-1.9	9E-04	-1.9	1E-03	-1.9
NM_177351	Agphd1	-1.9	3E-04	-1.9	2E-04	-1.9
NM_001252478	Slc30a6	-2.2	6E-04	-1.6	9E-03	-1.9
NM_178752	D330012F22Rik	-2.1	2E-05	-1.7	2E-04	-1.9
NM_001104563	Vmn2r101	-1.9	3E-02	-1.8	4E-02	-1.9
NM_001081075	5730455O13Rik	-2.0	1E-03	-1.7	3E-03	-1.9
NM_001042499	Rabl3	-2.1	6E-04	-1.6	6E-03	-1.9
NM_053143	Pcdhb18	-1.7	3E-02	-2.0	7E-03	-1.8
NM_011623	Top2a	-2.2	6E-04	-1.5	1E-02	-1.8
ENSMUST00000107439	Krtap4-8	-2.1	1E-03	-1.6	1E-02	-1.8
NM_175403	Mlec	-2.2	3E-05	-1.5	3E-03	-1.8
ENSMUST00000081186	Vmn1r21	-1.7	8E-03	-2.0	2E-03	-1.8
NM_008249	Tfb2m	-2.0	2E-02	-1.7	4E-02	-1.8
NM_175026	Pyhin1	-2.3	2E-04	-1.4	3E-02	-1.8
ENSMUST00000162512	Gtpbp8	-1.8	3E-04	-1.8	3E-04	-1.8
NM_011267	Rgs16	-1.6	3E-02	-2.1	2E-03	-1.8
NM_019425	Gnpnat1	-1.9	9E-04	-1.7	2E-03	-1.8
NM_145584	Spon1	-2.2	4E-04	-1.4	3E-02	-1.8
NR_038044	Gm10033	-2.0	6E-03	-1.6	3E-02	-1.8
AK007274	Fbxw27	-1.7	1E-02	-2.0	3E-03	-1.8
NM_007554	Bmp4	-1.9	1E-02	-1.7	3E-02	-1.8

NM_019683	Ankrd49	-1.8	6E-03	-1.8	7E-03	-1.8
NM_001081324	Neto2	-1.6	5E-04	-2.0	3E-05	-1.8
NM_026635	Fam96a	-2.1	9E-05	-1.5	3E-03	-1.8
NM_011607	Tnc	-1.9	2E-02	-1.7	3E-02	-1.8
NM_178070	Vps33b	-1.8	9E-03	-1.7	1E-02	-1.8
NM_001252639	Tbc1d7	-1.7	5E-04	-1.9	1E-04	-1.8
NM_153780	2610044O15Rik	-2.0	3E-05	-1.6	5E-04	-1.8
BC063263	Zfp141	-2.0	3E-03	-1.6	2E-02	-1.8
ENSMUST00000106157	Zranb1	-2.1	3E-04	-1.5	1E-02	-1.8
NM_001255990	Gm1553	-1.7	3E-03	-1.8	2E-03	-1.8
NM_001103182	Lin9	-2.0	2E-05	-1.6	3E-04	-1.8
NM_021384	Rsad2	-2.2	7E-06	-1.4	2E-03	-1.8
ENSMUST00000114900	Zc3hav1	-1.6	6E-04	-1.9	1E-04	-1.8
NM_011864	Papss2	-1.8	5E-05	-1.7	2E-04	-1.8
NM_019989	Sh3bgrl	-1.8	4E-04	-1.7	9E-04	-1.8
NM_001033284	BC026585	-1.7	2E-03	-1.8	8E-04	-1.8
NM_007669	Cdkn1a	-1.8	3E-02	-1.7	4E-02	-1.8
ENSMUST00000110455	Hist1h2bk	-1.8	1E-02	-1.7	3E-02	-1.8
NM_001013387	Zfp182	-2.0	3E-04	-1.6	4E-03	-1.8
NM_007934	Enpep	-2.0	1E-04	-1.5	3E-03	-1.8
NM_012048	Polk	-1.8	1E-03	-1.7	3E-03	-1.8
ENSMUST00000025170	Wdr46	-1.9	3E-04	-1.6	2E-03	-1.7
BC056964	Taf1d	-2.0	3E-03	-1.5	4E-02	-1.7
NM_153098	Cd109	-1.7	1E-02	-1.8	7E-03	-1.7
NM_001010839	Taar7f	-1.5	1E-02	-2.0	3E-04	-1.7
NM_010283	Ggta1	-1.9	2E-04	-1.6	2E-03	-1.7
NM_013831	Pstpip2	-1.9	3E-04	-1.6	1E-03	-1.7
NM_027464	5730469M10Rik	-1.6	2E-02	-1.8	6E-03	-1.7
NM_145148	Frmd4b	-1.7	1E-03	-1.8	5E-04	-1.7
NM_199311	Clec4a1	-2.0	2E-03	-1.4	5E-02	-1.7
NM_028349	Sass6	-1.9	3E-04	-1.6	3E-03	-1.7
NM_013813	Epb4.1l3	-1.9	2E-03	-1.5	1E-02	-1.7
NM_011232	Rad1	-1.8	3E-04	-1.6	1E-03	-1.7
NM_172773	Slc17a5	-1.7	1E-05	-1.7	1E-05	-1.7
NM_027324	Sfxn1	-1.9	6E-04	-1.6	3E-03	-1.7
NM_026345	Mansc1	-1.6	3E-05	-1.8	6E-06	-1.7
NM_011852	Oas1g	-2.1	5E-04	-1.4	3E-02	-1.7
NM_138751	Tmem47	-1.5	2E-03	-2.0	9E-05	-1.7
NM_001033181	Jrkl	-1.8	4E-03	-1.7	5E-03	-1.7
NM_011932	Dapp1	-1.8	9E-04	-1.6	3E-03	-1.7
NM_023142	Arpc1b	-1.8	1E-03	-1.7	3E-03	-1.7
NM_053145	Pcdhb20	-1.8	1E-03	-1.7	2E-03	-1.7
NM_023485	Sync	-1.7	4E-04	-1.8	2E-04	-1.7
ENSMUST00000108491	Ceacam3	-1.7	3E-04	-1.7	3E-04	-1.7
NM_172862	Frem2	-1.5	1E-03	-1.9	7E-05	-1.7
ENSMUST00000067582	Tmem62	-1.9	6E-05	-1.5	6E-04	-1.7

NM_025415	Cks2	-1.9	3E-03	-1.5	2E-02	-1.7
NM_008212	Hadh	-2.2	1E-07	-1.2	7E-04	-1.7
NM_007900	Ect2	-1.8	4E-03	-1.6	2E-02	-1.7
NM_177355	Plcxd3	-1.7	2E-02	-1.7	3E-02	-1.7
NR_046277	4930479D17Rik	-1.7	1E-02	-1.7	1E-02	-1.7
NM_009555	Zfp40	-1.8	8E-04	-1.6	2E-03	-1.7
NM_178675	Slc35f1	-1.7	3E-02	-1.7	3E-02	-1.7
NR_029849	Mir361	-1.8	9E-03	-1.6	2E-02	-1.7
NM_177382	Cyp2r1	-2.0	1E-05	-1.4	2E-03	-1.7
NM_008222	Hccs	-2.0	6E-05	-1.4	3E-03	-1.7
NM_028943	Sgms2	-1.9	9E-04	-1.5	1E-02	-1.7
NM_053141	Pcdh16	-1.6	6E-03	-1.7	4E-03	-1.7
NM_001166710	Vmn1r7	-1.4	7E-04	-2.0	5E-06	-1.7
NM_009812	Casp8	-1.9	7E-06	-1.5	2E-04	-1.7
ENSMUST00000039373	Uba6	-1.9	5E-04	-1.5	7E-03	-1.7
NM_020278	Lgi1	-1.8	5E-03	-1.5	2E-02	-1.7
NM_029000	Gvin1	-1.9	4E-03	-1.4	5E-02	-1.7
NM_153543	Aldh1l2	-1.8	8E-03	-1.5	4E-02	-1.7
NM_172784	Lrp11	-1.5	3E-02	-1.8	8E-03	-1.7
NM_026011	Arl8b	-1.7	3E-05	-1.7	2E-05	-1.7
NM_144558	Bivm	-1.7	4E-04	-1.6	1E-03	-1.7
NR_029561	Mir151	-1.8	6E-04	-1.5	3E-03	-1.7
ENSMUST00000116437	Snap23	-1.7	4E-04	-1.6	9E-04	-1.7
NM_175271	Lpar4	-1.8	4E-03	-1.5	3E-02	-1.7
NM_145523	Gca	-1.4	3E-02	-1.9	5E-04	-1.7
NM_153143	Kctd11	-1.8	8E-04	-1.5	8E-03	-1.7
NM_029645	Gatc	-1.7	1E-03	-1.6	4E-03	-1.7
NM_024282	Pppde1	-1.5	4E-02	-1.8	1E-02	-1.6
NM_026398	Pop5	-1.8	2E-05	-1.5	4E-04	-1.6
ENSMUST00000115812	Pik3c3	-1.9	2E-04	-1.4	6E-03	-1.6
NM_010008	Cyp2j6	-1.9	1E-03	-1.4	3E-02	-1.6
NM_008924	Prkar2a	-1.6	2E-03	-1.7	1E-03	-1.6
NM_172392	Zfp759	-1.8	7E-04	-1.5	8E-03	-1.6
NM_010786	Mdm2	-1.6	2E-04	-1.7	5E-05	-1.6
NM_198019	Cep78	-1.7	3E-03	-1.6	5E-03	-1.6
NM_001177550	Zfp442	-1.7	1E-02	-1.5	3E-02	-1.6
NM_172600	6720456H20Rik	-1.8	4E-04	-1.5	5E-03	-1.6
NM_144846	Fam49b	-1.7	1E-03	-1.6	2E-03	-1.6
NM_001004066	Zfp386	-1.9	2E-05	-1.4	8E-04	-1.6
ENSMUST00000145910	Strn	-1.9	1E-05	-1.3	2E-03	-1.6
NM_009283	Stat1	-1.6	1E-02	-1.7	5E-03	-1.6
NM_172733	Dera	-1.5	1E-02	-1.8	2E-03	-1.6
NM_011650	Tsn	-1.5	2E-04	-1.7	5E-05	-1.6
NM_144945	Lgi2	-1.7	9E-04	-1.5	3E-03	-1.6
NM_018788	Extl3	-1.5	2E-02	-1.7	5E-03	-1.6
NM_024291	Ky	-1.4	4E-03	-1.8	1E-04	-1.6

NM_025921	2610002M06Rik	-1.4	3E-03	-1.8	1E-04	-1.6
NM_001253355	Hs3st5	-1.5	5E-03	-1.7	8E-04	-1.6
NM_181589	Ckap2l	-1.8	1E-03	-1.4	1E-02	-1.6
NM_007474	Aqp8	-1.8	4E-03	-1.4	4E-02	-1.6
NM_026232	Slc25a30	-1.7	5E-04	-1.5	2E-03	-1.6
NM_053078	D0H4S114	-1.8	2E-04	-1.4	6E-03	-1.6
NM_021789	Trappc4	-1.9	1E-04	-1.3	1E-02	-1.6
NR_045175	2700081L22Rik	-1.6	3E-02	-1.6	2E-02	-1.6
NM_011050	Pdcd4	-1.6	1E-03	-1.6	7E-04	-1.6
NM_053142	Pcdhb17	-1.5	7E-04	-1.7	3E-04	-1.6
NM_010415	Hbegf	-1.8	2E-04	-1.4	4E-03	-1.6
ENSMUST00000117146	Ube2w	-1.7	2E-03	-1.5	5E-03	-1.6
NM_025705	Dcbld1	-1.6	2E-02	-1.6	1E-02	-1.6
NM_021315	Noc3l	-1.8	4E-06	-1.4	9E-05	-1.6
NM_133955	Rhou	-1.6	2E-03	-1.6	2E-03	-1.6
NM_172877	Pramef8	-1.7	2E-04	-1.5	2E-03	-1.6
NM_144517	Tbc1d19	-1.6	2E-03	-1.5	5E-03	-1.6
NM_026992	Dnajc24	-1.5	2E-02	-1.6	1E-02	-1.6
NM_001099330	Gm12776	-1.7	8E-04	-1.5	2E-03	-1.6
ENSMUST00000038406	Akr1b8	-1.8	4E-03	-1.4	4E-02	-1.6
NM_007691	Chek1	-1.7	3E-03	-1.5	8E-03	-1.6
ENSMUST00000029414	Ssr3	-1.6	8E-04	-1.6	5E-04	-1.6
NM_030110	Efha2	-1.5	2E-02	-1.7	2E-03	-1.6
NM_178308	Abpg	-1.6	2E-03	-1.6	3E-03	-1.6
NM_011515	Vamp7	-1.7	2E-03	-1.5	6E-03	-1.6
NM_178889	Zscan29	-1.7	2E-04	-1.5	5E-04	-1.6
ENSMUST00000177184	Vmn2r5	-1.7	9E-03	-1.4	5E-02	-1.6
NM_001004149	Zfp366	-1.6	2E-02	-1.6	3E-02	-1.6
NM_011763	Zfp9	-1.7	2E-03	-1.5	1E-02	-1.6
NM_146231	Zfp825	-1.6	1E-02	-1.5	2E-02	-1.6
NM_008971	Twf1	-1.8	2E-04	-1.4	3E-03	-1.6
NM_001081179	Heatr5b	-1.8	1E-04	-1.3	7E-03	-1.6
NM_145524	Mettl8	-1.5	6E-04	-1.6	2E-04	-1.6
NM_001135577	BC024659	-1.3	4E-02	-1.8	1E-03	-1.6
ENSMUST00000021173	Mfsd11	-1.4	9E-04	-1.8	3E-05	-1.6
ENSMUST00000023686	Tmem50b	-1.6	1E-04	-1.6	9E-05	-1.6
NM_010085	Adam26a	-1.8	7E-04	-1.4	2E-02	-1.6
NM_054089	Tgs1	-1.5	5E-04	-1.7	1E-04	-1.6
NM_011249	Rbl1	-1.6	1E-04	-1.5	4E-04	-1.6
ENSMUST00000031171	Stap1	-1.7	9E-03	-1.5	3E-02	-1.6
ENSMUST00000105439	Lrrtm3	-1.6	9E-03	-1.5	2E-02	-1.6
NM_001145676	2210408I21Rik	-1.8	2E-03	-1.4	3E-02	-1.6
NM_001081090	Esf1	-1.6	5E-03	-1.6	4E-03	-1.6
NM_146529	Olfr1183	-1.3	2E-02	-1.9	1E-04	-1.6
NM_011274	C80913	-1.6	1E-03	-1.5	2E-03	-1.6
NM_001039088	Seh1l	-1.6	5E-05	-1.6	5E-05	-1.6

ENSMUST00000034761	Narg2	-1.6	4E-02	-1.6	4E-02	-1.6
NM_001115087	Fancf	-1.5	1E-02	-1.7	3E-03	-1.6
NM_025770	Atg10	-1.5	2E-02	-1.7	7E-03	-1.6
NM_026895	Tatdn3	-1.7	5E-03	-1.4	3E-02	-1.6
NM_172958	Mtmr12	-1.5	4E-03	-1.6	2E-03	-1.6
ENSMUST00000030296	Txndc12	-1.7	2E-03	-1.4	2E-02	-1.6
NM_001101478	D3Ert254e	-1.7	6E-03	-1.5	2E-02	-1.6
NM_023292	Pus3	-1.5	5E-03	-1.6	2E-03	-1.6
NM_008032	Aff2	-1.4	2E-02	-1.7	2E-03	-1.6
NM_133738	Antxr2	-1.7	9E-04	-1.4	1E-02	-1.6
ENSMUST00000030074	Ugcg	-1.5	5E-03	-1.7	1E-03	-1.6
NM_027421	Ints2	-1.5	1E-02	-1.6	6E-03	-1.6
NM_013844	Zfp68	-1.7	1E-03	-1.5	6E-03	-1.6
NM_001163763	Tcf19	-1.7	4E-03	-1.4	3E-02	-1.6
NM_015812	Rgs6	-1.7	4E-03	-1.4	5E-02	-1.6
NM_028002	Dus4l	-1.5	1E-02	-1.6	8E-03	-1.6
NM_028053	Tmem38b	-1.7	2E-04	-1.4	5E-03	-1.6
ENSMUST00000044382	Zc4h2	-1.7	3E-03	-1.4	2E-02	-1.6
NM_023750	Zfp84	-1.6	9E-04	-1.5	1E-03	-1.6
NM_001081680	Zfp72	-1.6	3E-02	-1.6	3E-02	-1.6
NM_198605	F630043A04Rik	-1.4	5E-02	-1.8	3E-03	-1.6
NR_040402	Gm19522	-1.7	6E-03	-1.4	2E-02	-1.6
NM_145392	Bag2	-1.5	4E-02	-1.6	3E-02	-1.6
NM_001142357	Alg12	-1.4	2E-02	-1.7	3E-03	-1.6
NM_023587	Ptplb	-1.6	5E-04	-1.5	1E-03	-1.6
ENSMUST00000031402	Cct6a	-1.8	3E-05	-1.3	4E-03	-1.6
BC052634	Wdyh1	-1.5	4E-02	-1.6	3E-02	-1.6
NM_025716	Spryd4	-1.4	1E-02	-1.7	1E-03	-1.6
ENSMUST00000053407	Alkbh8	-1.7	3E-03	-1.4	2E-02	-1.5
NM_181732	Aida	-1.8	2E-04	-1.3	7E-03	-1.5
NM_145930	AW549877	-1.6	3E-06	-1.5	3E-06	-1.5
NM_010615	Kif11	-1.8	3E-04	-1.3	4E-02	-1.5
NM_030692	Sacm1l	-1.9	2E-08	-1.2	5E-05	-1.5
NM_009808	Casp12	-1.7	2E-03	-1.4	2E-02	-1.5
NM_026437	Fam45a	-1.7	1E-04	-1.3	4E-03	-1.5
NM_030069	Fam55b	-1.8	1E-04	-1.3	1E-02	-1.5
ENSMUST00000041905	Nupl1	-1.5	2E-04	-1.5	2E-04	-1.5
NM_001081288	Taf2	-1.4	9E-04	-1.7	1E-04	-1.5
ENSMUST00000034457	Urb2	-1.6	2E-03	-1.5	7E-03	-1.5
NM_178283	Asb13	-1.7	4E-06	-1.4	7E-05	-1.5
ENSMUST00000034591	Bace1	-1.5	1E-03	-1.6	8E-04	-1.5
NM_027088	Bap1	-1.6	3E-05	-1.5	5E-05	-1.5
NM_001164621	Rnf14	-1.4	5E-04	-1.7	1E-05	-1.5
NM_011801	Cfdp1	-1.7	4E-03	-1.4	5E-02	-1.5
ENSMUST00000115441	Gtpbp10	-1.5	2E-02	-1.6	7E-03	-1.5
NM_001145898	BC052040	-1.5	8E-03	-1.6	4E-03	-1.5

NM_134005	Enpp3	-1.7	2E-03	-1.4	1E-02	-1.5
NR_015618	A930015D03Rik	-1.6	4E-04	-1.4	2E-03	-1.5
ENSMUST00000042163	Naa25	-1.6	7E-04	-1.5	2E-03	-1.5
NM_175007	Amph	-1.6	2E-02	-1.5	3E-02	-1.5
NM_144904	Rod1	-1.6	7E-03	-1.5	1E-02	-1.5
ENSMUST00000097772	Il1rl1	-1.7	1E-05	-1.3	6E-04	-1.5
NM_019748	Sae1	-1.6	4E-03	-1.5	9E-03	-1.5
NM_172920	Dpy19l1	-1.7	3E-03	-1.4	2E-02	-1.5
ENSMUST00000121465	Fuca2	-1.4	9E-04	-1.6	2E-04	-1.5
NM_145502	Erlin1	-1.6	6E-04	-1.4	5E-03	-1.5
NM_001024622	Pcnp	-1.4	3E-02	-1.6	1E-02	-1.5
ENSMUST00000058030	Mtap	-1.5	2E-03	-1.5	3E-03	-1.5
NM_001190466	Dact1	-1.6	9E-03	-1.5	2E-02	-1.5
NM_172598	Wdhd1	-1.6	1E-02	-1.5	2E-02	-1.5
NM_016785	Tpmt	-1.7	4E-04	-1.3	1E-02	-1.5
NM_007610	Casp2	-1.4	7E-03	-1.6	2E-03	-1.5
NM_145374	Mios	-1.7	4E-04	-1.3	2E-02	-1.5
NM_177038	Trappc8	-1.6	3E-05	-1.4	2E-04	-1.5
NM_032003	Enpp5	-1.7	4E-04	-1.3	2E-02	-1.5
NM_026490	Mrpl19	-1.4	3E-02	-1.6	7E-03	-1.5
ENSMUST00000072438	Cyp2b10	-1.6	2E-02	-1.5	5E-02	-1.5
NM_173744	2610019F03Rik	-1.4	3E-02	-1.6	8E-03	-1.5
ENSMUST00000128667	Fktn	-1.6	2E-02	-1.5	3E-02	-1.5
NM_020578	Ehd3	-1.4	9E-03	-1.7	6E-04	-1.5
NM_028908	4933403G14Rik	-1.4	2E-02	-1.6	4E-03	-1.5
NM_183116	1110021L09Rik	-1.5	8E-04	-1.5	1E-03	-1.5
NM_197982	Ddx39	-1.5	7E-03	-1.5	6E-03	-1.5
NM_025558	Cyb5b	-1.5	4E-03	-1.5	7E-03	-1.5
ENSMUST00000039541	Tubgcp4	-1.5	1E-05	-1.5	1E-05	-1.5
NM_172565	Klhl11	-1.4	4E-02	-1.6	1E-02	-1.5
NM_026448	Klhl7	-1.4	2E-03	-1.6	2E-04	-1.5
NM_019499	Mad2l1	-1.6	9E-04	-1.5	2E-03	-1.5
ENSMUST00000062289	Bend6	-1.5	1E-02	-1.5	2E-02	-1.5
ENSMUST00000094014	Fam57a	-1.5	3E-04	-1.5	2E-04	-1.5
NM_178925	Nsun3	-1.7	3E-03	-1.4	3E-02	-1.5
ENSMUST00000020204	Ntn4	-1.5	4E-03	-1.5	5E-03	-1.5
NM_011625	Ppp1r13b	-1.5	8E-04	-1.5	8E-04	-1.5
NM_011083	Pik3c2a	-1.5	3E-02	-1.6	1E-02	-1.5
NM_001024147	Gm5868	-1.5	3E-02	-1.5	3E-02	-1.5
NM_181315	Car5b	-1.5	1E-02	-1.5	5E-03	-1.5
NM_001077190	Abi1	-1.6	3E-03	-1.5	7E-03	-1.5
NM_029965	Rnf170	-1.4	2E-04	-1.6	4E-05	-1.5
AB540946	Vmn2r115	-1.6	1E-02	-1.4	3E-02	-1.5
ENSMUST00000021424	Sptlc2	-1.6	2E-03	-1.4	7E-03	-1.5
NM_011494	Stk16	-1.4	6E-03	-1.6	9E-04	-1.5
NM_001042719	Ddhd1	-1.5	1E-03	-1.5	1E-03	-1.5

NM_025815	Cpne8	-1.5	3E-02	-1.5	4E-02	-1.5
NM_001011811	Olfr487	-1.5	6E-03	-1.5	1E-02	-1.5
NM_013518	Fgf9	-1.2	2E-02	-1.8	7E-05	-1.5
NM_001002268	Gpr126	-1.7	3E-04	-1.3	2E-02	-1.5
NM_016908	Syt5	-1.5	1E-02	-1.5	2E-02	-1.5
NM_145586	Tmem159	-1.6	2E-04	-1.4	2E-03	-1.5
ENSMUST00000109731	Cdk5rap1	-1.3	1E-02	-1.7	6E-04	-1.5
ENSMUST00000063465	Wnt5a	-1.4	1E-02	-1.6	5E-03	-1.5
NM_001167730	Rad18	-1.5	2E-03	-1.5	2E-03	-1.5
NM_008397	Itga6	-1.5	9E-03	-1.5	1E-02	-1.5
ENSMUST00000099756	Olfr1269	-1.5	6E-03	-1.5	5E-03	-1.5
NM_145964	Ap1ar	-1.4	3E-03	-1.6	2E-04	-1.5
NM_001030307	Dkc1	-1.4	2E-02	-1.6	3E-03	-1.5
NM_010282	Ggps1	-1.6	2E-04	-1.4	2E-03	-1.5
NM_010496	Id2	-1.5	9E-03	-1.5	9E-03	-1.5
NM_176953	Lig4	-1.6	5E-03	-1.4	1E-02	-1.5
ENSMUST00000029891	Tmem68	-1.5	6E-03	-1.5	1E-02	-1.5
NM_026244	Slc39a9	-1.6	4E-04	-1.4	2E-03	-1.5
NM_133193	Il1rl2	-1.5	1E-02	-1.5	2E-02	-1.5
ENSMUST00000094541	Btbd8	-1.5	1E-03	-1.4	4E-03	-1.5
ENSMUST00000076123	Zfp58	-1.3	3E-02	-1.7	1E-03	-1.5
NM_181590	Shq1	-1.5	2E-02	-1.5	1E-02	-1.5
NM_177815	Rft1	-1.5	2E-02	-1.5	2E-02	-1.5
NM_175087	Aqp6	-1.6	1E-02	-1.4	3E-02	-1.5
ENSMUST00000155487	Hiatl1	-1.6	4E-03	-1.4	1E-02	-1.5
NM_007879	Drg1	-1.5	4E-05	-1.5	5E-05	-1.5
ENSMUST00000101208	Sod3	-1.6	8E-03	-1.4	3E-02	-1.5
NM_011421	Smpd1	-1.4	1E-02	-1.6	1E-03	-1.5
NM_026887	Ap1s2	-1.4	8E-03	-1.6	2E-03	-1.5
NR_040435	E130218I03Rik	-1.6	5E-03	-1.4	4E-02	-1.5
NM_009498	Vamp3	-1.5	8E-05	-1.5	2E-04	-1.5
ENSMUST00000084949	Impad1	-1.6	3E-04	-1.4	3E-03	-1.5
NM_130447	Dusp16	-1.4	2E-02	-1.6	2E-03	-1.5
NM_013692	Klf10	-1.4	3E-02	-1.6	3E-03	-1.5
NM_212444	Gyk	-1.4	4E-03	-1.6	4E-04	-1.5
ENSMUST00000155551	Dcaf10	-1.5	1E-02	-1.5	8E-03	-1.5
NM_009101	Rras	-1.5	1E-02	-1.4	3E-02	-1.5
ENSMUST00000069870	Arl5b	-1.3	9E-03	-1.7	3E-04	-1.5
NM_001113211	Tmem194	-1.4	5E-02	-1.6	8E-03	-1.5
ENSMUST00000039769	Sntb1	-1.5	4E-03	-1.5	3E-03	-1.5
NM_025985	Ube2g1	-1.4	5E-04	-1.5	2E-04	-1.5
NM_026981	Dtwd1	-1.6	2E-03	-1.4	9E-03	-1.5
NM_026184	Ero1lb	-1.5	1E-05	-1.4	4E-05	-1.5
NM_026658	Mto1	-1.5	4E-03	-1.5	3E-03	-1.5
NM_053139	Pcdhb14	-1.6	8E-03	-1.4	3E-02	-1.5
NM_021890	Fads3	-1.5	4E-04	-1.5	3E-04	-1.5

NM_025829	Eif4e3	-1.4	1E-04	-1.6	2E-05	-1.5
NM_019673	Actl6a	-1.5	2E-04	-1.5	2E-04	-1.5
NM_008697	Nin	-1.7	3E-04	-1.3	1E-02	-1.5
ENSMUST00000060108	1810030O07Rik	-1.5	2E-04	-1.5	1E-04	-1.5
NM_027869	Pnpt1	-1.4	1E-02	-1.5	5E-03	-1.5
NM_139143	Slc39a6	-1.5	3E-02	-1.5	3E-02	-1.5
NM_001081071	Lclat1	-1.2	3E-02	-1.7	2E-04	-1.5
NM_146701	Olfr1448	-1.5	8E-03	-1.4	2E-02	-1.5
NM_178773	Ano4	-1.5	2E-02	-1.4	4E-02	-1.5
ENSMUST00000108293	Tmem67	-1.6	5E-04	-1.4	3E-03	-1.5
NM_025998	Nkain1	-1.6	9E-04	-1.4	5E-03	-1.5
ENSMUST00000034000	Asah1	-1.7	1E-03	-1.3	2E-02	-1.5
NM_009147	Sec23a	-1.5	2E-04	-1.5	3E-04	-1.5
NM_001243908	Zfp383	-1.6	2E-03	-1.4	2E-02	-1.5
NM_029570	Atp11b	-1.4	3E-05	-1.6	4E-06	-1.5
NM_025813	Mfsd1	-1.5	1E-03	-1.5	2E-03	-1.5
NM_181401	Tmem64	-1.4	4E-03	-1.6	7E-04	-1.5
NM_177755	Klhl38	-1.5	7E-03	-1.4	1E-02	-1.5
NM_019437	Rfk	-1.5	1E-03	-1.4	3E-03	-1.5
NM_024472	Gltpd1	-1.5	3E-02	-1.5	2E-02	-1.5
NR_027872	4930515G01Rik	-1.5	4E-02	-1.5	3E-02	-1.5
NM_152809	Csnk1g3	-1.6	3E-03	-1.4	2E-02	-1.5
NM_017480	Icos	-1.3	1E-02	-1.6	4E-04	-1.5
NR_027492	Hspa13	-1.6	4E-03	-1.4	3E-02	-1.5
NM_001040026	Sco1	-1.4	9E-04	-1.5	4E-04	-1.5
NM_030188	Ttc30a1	-1.4	2E-02	-1.5	9E-03	-1.5
ENSMUST00000026927	Nudt5	-1.5	3E-03	-1.5	4E-03	-1.5
ENSMUST00000115110	Hyls1	-1.7	8E-04	-1.3	4E-02	-1.5
NM_029394	Snx24	-1.5	2E-04	-1.4	5E-04	-1.5
NM_008917	Ppt1	-1.6	5E-03	-1.4	4E-02	-1.5
NM_013918	Usp25	-1.4	7E-05	-1.5	4E-05	-1.5
NM_019941	Zfp235	-1.5	4E-02	-1.5	4E-02	-1.5
NM_145531	Spg11	-1.5	4E-04	-1.4	9E-04	-1.5
ENSMUST00000030306	Hook1	-1.4	1E-02	-1.6	3E-03	-1.5
NM_175128	4930430F08Rik	-1.5	2E-02	-1.5	3E-02	-1.5
ENSMUST00000115160	Tmem209	-1.5	7E-04	-1.4	2E-03	-1.5
NM_009029	Rb1	-1.4	1E-04	-1.5	5E-05	-1.5
NM_025841	Kdelr2	-1.4	1E-03	-1.5	6E-04	-1.5
ENSMUST00000162592	Zfp27	-1.5	1E-02	-1.4	2E-02	-1.5
ENSMUST00000069792	Nab1	-1.4	4E-04	-1.5	8E-05	-1.5
NM_001081187	Htra4	-1.7	5E-04	-1.3	2E-02	-1.5
NM_028785	Dock8	-1.5	1E-03	-1.5	1E-03	-1.5
NM_019936	Cript	-1.5	2E-04	-1.4	6E-04	-1.5
NM_013745	Nufip1	-1.5	7E-04	-1.4	2E-03	-1.5
NR_015524	4932415G12Rik	-1.5	3E-02	-1.4	4E-02	-1.5
NM_011233	Rad17	-1.4	3E-04	-1.5	6E-05	-1.5

NM_026662	Prps2	-1.5	2E-02	-1.4	3E-02	-1.5
ENSMUST00000088658	Mybl1	-1.5	5E-03	-1.4	2E-02	-1.5
NM_144535	Mudeng	-1.4	6E-04	-1.5	3E-04	-1.5
NM_001111060	Cd59a	-1.5	5E-04	-1.4	9E-04	-1.5
NM_001080941	Zfp429	-1.6	8E-03	-1.4	4E-02	-1.5
NM_178638	Tmem108	-1.4	5E-02	-1.5	2E-02	-1.5
ENSMUST00000150285	Slc35d1	-1.4	1E-02	-1.6	2E-03	-1.5
NM_009673	Anxa5	-1.6	3E-03	-1.3	4E-02	-1.5
ENSMUST00000113422	Hdx	-1.4	7E-03	-1.5	5E-03	-1.5
ENSMUST00000003843	Man1a	-1.5	3E-03	-1.4	5E-03	-1.5
ENSMUST00000003720	Crot	-1.5	8E-05	-1.4	2E-04	-1.5
NM_011955	Nubp1	-1.3	2E-03	-1.6	1E-04	-1.5
NM_001081204	B3galtl	-1.6	1E-03	-1.3	1E-02	-1.5
NM_176917	Mettl4	-1.4	6E-04	-1.5	2E-04	-1.5
NM_152825	Usp45	-1.6	7E-03	-1.4	4E-02	-1.5
NM_153591	Nars2	-1.4	2E-02	-1.5	8E-03	-1.5
NM_054041	Antxr1	-1.6	2E-03	-1.3	2E-02	-1.5
NM_024272	Ssbp2	-1.4	1E-03	-1.5	7E-04	-1.5
BC147588	4930449I24Rik	-1.4	2E-02	-1.5	3E-03	-1.5
NM_153592	Erlin2	-1.6	4E-04	-1.3	5E-03	-1.5
ENSMUST00000034610	Pate4	-1.5	2E-02	-1.4	5E-02	-1.5
NM_178778	Scai	-1.4	2E-02	-1.5	1E-02	-1.5
NM_177271	Samd5	-1.4	2E-03	-1.5	5E-04	-1.5
NM_134250	Havcr2	-1.6	2E-03	-1.3	2E-02	-1.5
NM_029623	3110002H16Rik	-1.5	4E-03	-1.4	6E-03	-1.5
NR_040439	1810006J02Rik	-1.5	6E-03	-1.4	9E-03	-1.5
NM_175751	Zfp608	-1.7	5E-04	-1.3	3E-02	-1.5
NM_022327	Ralb	-1.5	1E-02	-1.4	2E-02	-1.5
NM_026632	Rpa3	-1.5	7E-03	-1.4	2E-02	-1.5
NM_011992	Rcn2	-1.5	3E-03	-1.4	1E-02	-1.5
NM_133737	Lancl2	-1.4	5E-03	-1.5	4E-03	-1.5
NM_015824	Orc3	-1.6	8E-04	-1.3	8E-03	-1.5
NM_197990	1700025G04Rik	-1.3	1E-02	-1.6	4E-04	-1.5
ENSMUST00000031117	Gnpda2	-1.4	7E-03	-1.5	4E-03	-1.5
NM_183185	Zfp300	-1.5	2E-02	-1.4	2E-02	-1.5
ENSMUST00000114222	Gng12	-1.4	6E-04	-1.5	5E-04	-1.5
NM_016909	Tsnax	-1.5	1E-03	-1.4	1E-03	-1.5
ENSMUST00000096066	Cpa2	-1.4	5E-03	-1.5	4E-03	-1.5
ENSMUST00000153470	I7Rn6	-1.5	2E-03	-1.4	3E-03	-1.4
NM_177171	Heatr5a	-1.5	1E-03	-1.4	2E-03	-1.4
ENSMUST00000159645	Vprbp	-1.5	1E-03	-1.4	2E-03	-1.4
NM_178614	Samm50	-1.4	1E-03	-1.5	3E-04	-1.4
NM_029057	Tbc1d30	-1.5	2E-03	-1.4	3E-03	-1.4
ENSMUST00000034428	Gabarapl2	-1.5	5E-03	-1.4	6E-03	-1.4
NM_027297	Prpf4	-1.5	6E-04	-1.4	1E-03	-1.4
NM_009128	Scd2	-1.7	1E-04	-1.2	3E-02	-1.4

NM_145223	Alms1	-1.4	2E-03	-1.5	2E-04	-1.4
NM_001142916	Plod2	-1.5	3E-03	-1.4	7E-03	-1.4
ENSMUST00000054956	Stambpl1	-1.4	3E-03	-1.5	1E-03	-1.4
NM_145928	Tspan14	-1.5	7E-03	-1.4	2E-02	-1.4
NM_145441	Ubxn2a	-1.4	2E-02	-1.5	7E-03	-1.4
NM_028243	Prcp	-1.6	2E-04	-1.3	5E-03	-1.4
NM_030704	Hspb8	-1.5	6E-04	-1.4	8E-04	-1.4
NM_011169	Prlr	-1.5	2E-03	-1.4	1E-02	-1.4
NM_028108	Naa50	-1.4	9E-04	-1.4	1E-03	-1.4
ENSMUST00000029459	Gdap2	-1.5	4E-03	-1.4	2E-02	-1.4
ENSMUST00000088786	Sri	-1.5	2E-03	-1.4	6E-03	-1.4
NM_009700	Aqp4	-1.4	4E-02	-1.5	3E-02	-1.4
NM_019579	Mpp5	-1.5	4E-03	-1.4	1E-02	-1.4
NM_021509	Moxd1	-1.5	2E-03	-1.4	8E-03	-1.4
NM_020282	Nqo2	-1.5	6E-03	-1.3	4E-02	-1.4
NM_008428	Kcnj8	-1.5	2E-03	-1.4	7E-03	-1.4
NM_001110311	Snx12	-1.3	3E-02	-1.6	2E-03	-1.4
NR_033744	Cbwd1	-1.4	1E-03	-1.5	3E-04	-1.4
NM_027193	Dph5	-1.4	3E-02	-1.5	2E-02	-1.4
NM_029896	Wdr82	-1.6	2E-03	-1.3	2E-02	-1.4
NM_029145	Rnase10	-1.4	4E-03	-1.5	3E-03	-1.4
NM_008029	Flt4	-1.4	1E-02	-1.5	4E-03	-1.4
NM_021547	Stard3	-1.3	3E-02	-1.5	5E-03	-1.4
NM_173769	Zfp641	-1.3	4E-02	-1.5	7E-03	-1.4
AK046316	B230369F24Rik	-1.5	3E-03	-1.4	4E-03	-1.4
NM_013875	Pde7b	-1.5	8E-04	-1.4	1E-03	-1.4
NM_019793	Tspan3	-1.3	3E-07	-1.5	2E-08	-1.4
NM_018818	Chm	-1.5	1E-04	-1.4	3E-04	-1.4
NM_138303	Yipf2	-1.4	2E-02	-1.5	1E-02	-1.4
NM_026775	Tmed10	-1.4	2E-04	-1.4	1E-04	-1.4
NR_029726	Mirlet7a-2	-1.4	2E-02	-1.5	1E-02	-1.4
NM_009847	Cd2ap	-1.5	1E-03	-1.4	2E-03	-1.4
NM_177736	Lrrc61	-1.5	1E-03	-1.4	2E-03	-1.4
NM_008425	Kcnj2	-1.5	8E-04	-1.4	3E-03	-1.4
ENSMUST00000108551	Gp1ba	-1.4	3E-02	-1.4	3E-02	-1.4
NM_001085522	Gm13251	-1.6	5E-04	-1.2	4E-02	-1.4
NM_027667	Arhgap19	-1.4	4E-02	-1.5	2E-02	-1.4
ENSMUST00000027157	Rpe	-1.4	8E-03	-1.4	1E-02	-1.4
NM_172465	Zdhhc9	-1.3	1E-02	-1.5	1E-03	-1.4
NM_027468	Cpm	-1.5	1E-02	-1.4	2E-02	-1.4
NM_172643	Zbtb41	-1.4	2E-03	-1.5	7E-04	-1.4
ENSMUST00000064667	Rap1b	-1.5	4E-03	-1.4	1E-02	-1.4
NM_001255977	Gm4345	-1.5	6E-03	-1.3	4E-02	-1.4
NM_001111110	Cmah	-1.6	6E-06	-1.3	3E-04	-1.4
NM_130856	Krtap16-8	-1.4	4E-02	-1.4	5E-02	-1.4
NM_146103	Tmem185b	-1.5	2E-03	-1.4	6E-03	-1.4

ENSMUST00000171839	Zfp192	-1.3	2E-02	-1.6	1E-03	-1.4
NM_011596	Atp6v0a2	-1.5	1E-03	-1.3	9E-03	-1.4
NM_080446	Helb	-1.4	1E-02	-1.5	3E-03	-1.4
ENSMUST00000071230	Eif2s1	-1.4	7E-04	-1.5	3E-04	-1.4
NM_025972	Naaa	-1.5	1E-03	-1.4	5E-03	-1.4
ENSMUST00000110551	Sord	-1.4	6E-03	-1.5	1E-03	-1.4
ENSMUST00000105693	Nmnat1	-1.4	1E-02	-1.4	9E-03	-1.4
NM_026246	Mrpl49	-1.5	3E-03	-1.3	2E-02	-1.4
NM_001159942	Plekhg1	-1.4	2E-02	-1.4	2E-02	-1.4
NM_001165941	Nsun6	-1.5	7E-03	-1.4	2E-02	-1.4
NM_145484	Zfp758	-1.5	3E-02	-1.4	5E-02	-1.4
NM_008098	Mtpn	-1.4	3E-06	-1.4	6E-06	-1.4
NM_001177653	Hist1h2be	-1.5	5E-03	-1.4	1E-02	-1.4
NM_007923	Elk4	-1.4	3E-02	-1.5	2E-02	-1.4
NM_001195421	Hist1h4m	-1.4	9E-03	-1.4	1E-02	-1.4
NM_175111	Hspbap1	-1.5	1E-02	-1.4	2E-02	-1.4
NM_028288	Cul4b	-1.5	6E-03	-1.4	2E-02	-1.4
NM_175639	Wdr43	-1.5	1E-02	-1.4	2E-02	-1.4
NM_198007	Ascc3	-1.5	3E-05	-1.4	6E-05	-1.4
NR_040446	C920021L13Rik	-1.5	3E-03	-1.3	1E-02	-1.4
NM_001171052	Mta3	-1.3	2E-02	-1.6	1E-03	-1.4
NM_176972	Usp37	-1.4	1E-02	-1.5	5E-03	-1.4
NM_011884	Rngtt	-1.4	8E-04	-1.4	1E-03	-1.4
NM_147153	Vps39	-1.5	4E-04	-1.4	8E-04	-1.4
NM_019410	Pfn2	-1.5	1E-02	-1.4	3E-02	-1.4
NM_178599	Commd8	-1.4	3E-04	-1.4	2E-04	-1.4
NM_001081280	Nlrc3	-1.5	7E-03	-1.3	2E-02	-1.4
NM_013469	Anxa11	-1.3	1E-03	-1.5	2E-04	-1.4
NM_030165	Csgalnact2	-1.4	6E-05	-1.4	7E-05	-1.4
NM_146319	Olfr727	-1.4	2E-02	-1.4	1E-02	-1.4
NM_146224	Zfp280d	-1.5	5E-04	-1.4	1E-03	-1.4
NM_011818	Gmcl1	-1.3	1E-03	-1.5	2E-04	-1.4
NM_028315	Dis3	-1.4	8E-03	-1.4	1E-02	-1.4
NM_177381	Cog3	-1.4	3E-03	-1.4	2E-03	-1.4
NM_027514	Pvr	-1.3	5E-02	-1.5	1E-02	-1.4
NM_023824	Paqr4	-1.3	1E-02	-1.5	2E-03	-1.4
NM_028221	Fam192a	-1.4	3E-03	-1.4	3E-03	-1.4
BC064812	Zfp433	-1.4	4E-03	-1.4	7E-03	-1.4
ENSMUST00000034388	Vps4a	-1.3	5E-03	-1.5	1E-03	-1.4
ENSMUST00000031069	Sepsecs	-1.5	3E-03	-1.4	8E-03	-1.4
NM_027236	Eif1ad	-1.4	1E-03	-1.4	6E-04	-1.4
NM_027127	Gpx8	-1.6	2E-04	-1.3	9E-03	-1.4
ENSMUST00000052164	Ppyr1	-1.6	2E-04	-1.2	1E-02	-1.4
NM_010344	Gsr	-1.5	4E-04	-1.3	3E-03	-1.4
NM_026343	Stx17	-1.3	3E-02	-1.5	5E-03	-1.4
NM_027722	Nudt4	-1.5	3E-04	-1.3	4E-03	-1.4

NR_028385	Gm10190	-1.3	4E-02	-1.5	6E-03	-1.4
NM_023844	Jam2	-1.5	6E-04	-1.3	8E-03	-1.4
ENSMUST00000034405	Mre11a	-1.3	1E-02	-1.5	9E-04	-1.4
NM_181410	Gtf2h3	-1.4	1E-02	-1.4	2E-02	-1.4
NM_027231	Polr2f	-1.4	5E-03	-1.4	1E-02	-1.4
NM_001005423	Mreg	-1.4	3E-03	-1.4	3E-03	-1.4
NM_144802	HnrpII	-1.3	1E-03	-1.5	1E-04	-1.4
NM_021512	Nup160	-1.4	4E-03	-1.4	3E-03	-1.4
ENSMUST00000148960	Myl12a	-1.4	1E-02	-1.5	7E-03	-1.4
NM_183140	Zfp691	-1.3	2E-03	-1.6	4E-05	-1.4
ENSMUST00000109249	Sulf2	-1.3	9E-03	-1.5	2E-03	-1.4
NM_145452	Rasa1	-1.5	3E-05	-1.4	1E-04	-1.4
BC099503	Gm527	-1.5	2E-02	-1.4	4E-02	-1.4
NM_026816	Gtf2f2	-1.5	9E-03	-1.3	3E-02	-1.4
NM_173783	Mageb18	-1.5	7E-03	-1.3	3E-02	-1.4
NM_011399	Slc25a17	-1.4	4E-03	-1.4	8E-03	-1.4
ENSMUST00000029477	Slc25a24	-1.5	4E-03	-1.4	1E-02	-1.4
NM_001159612	Lrrc57	-1.4	4E-03	-1.4	5E-03	-1.4
NR_029649	Mir298	-1.5	1E-02	-1.4	2E-02	-1.4
ENSMUST00000026859	Mfsd8	-1.4	6E-03	-1.5	2E-03	-1.4
NM_001033222	Pdzd8	-1.3	9E-03	-1.5	2E-03	-1.4
ENSMUST00000102946	Exoc2	-1.5	6E-05	-1.4	2E-04	-1.4
NR_037998	D030040B21Rik	-1.6	2E-03	-1.3	5E-02	-1.4
NR_015529	R74862	-1.4	2E-02	-1.4	2E-02	-1.4
NM_033618	Supt16h	-1.5	4E-03	-1.3	3E-02	-1.4
NM_178617	Necab1	-1.4	2E-02	-1.4	1E-02	-1.4
NM_009592	Abcb7	-1.3	1E-02	-1.5	2E-03	-1.4
NM_148924	Zfp263	-1.5	1E-02	-1.3	4E-02	-1.4
NM_008885	Pmp22	-1.5	2E-03	-1.3	3E-02	-1.4
NM_001113474	Lair1	-1.5	1E-02	-1.4	4E-02	-1.4
NM_175451	Ckap4	-1.3	4E-02	-1.5	1E-02	-1.4
NM_001034851	Fam134b	-1.5	4E-04	-1.3	4E-03	-1.4
ENSMUST00000049005	Bmpr1a	-1.6	3E-04	-1.2	2E-02	-1.4
ENSMUST00000059667	Hpcal4	-1.5	4E-03	-1.3	1E-02	-1.4
NM_026046	Zfp329	-1.4	1E-03	-1.4	3E-03	-1.4
NM_080795	Lnx2	-1.4	2E-03	-1.5	6E-04	-1.4
NM_144915	Daglb	-1.3	3E-02	-1.5	5E-03	-1.4
ENSMUST00000120461	Lman1	-1.4	7E-04	-1.4	5E-04	-1.4
NM_026144	Dhdds	-1.4	4E-03	-1.4	3E-03	-1.4
NM_026283	Samd8	-1.3	8E-04	-1.5	3E-05	-1.4
NM_019698	Aldh18a1	-1.5	5E-04	-1.3	4E-03	-1.4
NM_011758	Zfp39	-1.6	2E-04	-1.2	1E-02	-1.4
NM_023224	Cblc	-1.4	2E-02	-1.4	1E-02	-1.4
NM_001033550	Lrrc8b	-1.3	1E-02	-1.5	1E-03	-1.4
NM_001164071	Tank	-1.3	5E-02	-1.5	4E-03	-1.4
NM_008468	Kpna6	-1.4	8E-04	-1.4	5E-04	-1.4

NM_001177843	Frmd4a	-1.4	3E-02	-1.4	1E-02	-1.4
NM_198607	4930572J05Rik	-1.4	3E-02	-1.4	2E-02	-1.4
NM_145480	Rfc4	-1.5	7E-04	-1.3	8E-03	-1.4
NM_001199494	Ei24	-1.4	7E-04	-1.4	8E-04	-1.4
NM_145707	Obox3	-1.5	9E-03	-1.3	4E-02	-1.4
NM_026576	Etaa1	-1.4	3E-02	-1.4	2E-02	-1.4
NM_001009947	Dock11	-1.5	1E-03	-1.3	2E-02	-1.4
NM_145629	Pls3	-1.5	3E-03	-1.3	1E-02	-1.4
NM_009127	Scd1	-1.5	1E-03	-1.3	8E-03	-1.4
NM_009418	Tpp2	-1.3	2E-04	-1.5	5E-05	-1.4
ENSMUST00000162554	Ttc26	-1.4	4E-03	-1.4	2E-03	-1.4
NM_027402	Fndc5	-1.5	1E-03	-1.3	4E-03	-1.4
NM_009682	Ap3s2	-1.3	2E-02	-1.5	5E-03	-1.4
NM_029956	Mmab	-1.2	3E-02	-1.6	9E-04	-1.4
ENSMUST00000153360	Ino80c	-1.4	3E-02	-1.4	1E-02	-1.4
ENSMUST00000035930	Zfp800	-1.4	6E-03	-1.4	9E-03	-1.4
NM_172967	4930503L19Rik	-1.4	6E-03	-1.4	5E-03	-1.4
ENSMUST00000076313	Prpf40a	-1.4	2E-03	-1.4	2E-03	-1.4
ENSMUST00000047404	Dync1li1	-1.3	1E-03	-1.5	2E-04	-1.4
ENSMUST00000028081	Plxdc2	-1.4	3E-02	-1.4	4E-02	-1.4
NM_013768	Prmt5	-1.5	1E-03	-1.3	2E-02	-1.4
NM_025887	Rab5a	-1.6	2E-04	-1.2	2E-02	-1.4
NM_009070	Rnps1	-1.5	1E-03	-1.3	3E-02	-1.4
BC023359	3632451O06Rik	-1.5	1E-03	-1.2	3E-02	-1.4
ENSMUST00000174545	Xpo4	-1.4	2E-03	-1.4	2E-03	-1.4
NM_153538	Zcchc6	-1.4	4E-03	-1.4	3E-03	-1.4
ENSMUST00000045368	BC026590	-1.3	1E-02	-1.5	1E-03	-1.4
NR_045578	St7l	-1.5	2E-03	-1.3	2E-02	-1.4
NM_152816	Dnm1l	-1.3	2E-03	-1.5	3E-04	-1.4
NM_029976	Cdkn2aipnl	-1.4	5E-04	-1.4	7E-04	-1.4
ENSMUST00000041516	Epgn	-1.3	1E-02	-1.4	4E-03	-1.4
ENSMUST00000066632	Angel2	-1.4	8E-03	-1.4	6E-03	-1.4
ENSMUST00000029451	Tspan2	-1.3	1E-02	-1.5	2E-03	-1.4
NM_001099637	Cep170	-1.4	3E-02	-1.4	3E-02	-1.4
ENSMUST00000114848	Taf11	-1.6	2E-05	-1.2	2E-03	-1.4
NM_001146707	Nap1l1	-1.5	2E-03	-1.3	1E-02	-1.4
NM_001081105	Rhoh	-1.5	3E-03	-1.3	4E-02	-1.4
NM_001177602	Ak4	-1.3	1E-02	-1.5	1E-03	-1.4
NM_001164362	Cep55	-1.4	3E-02	-1.4	1E-02	-1.4
ENSMUST00000114666	Atp6v1a	-1.4	2E-03	-1.4	2E-03	-1.4
NM_177429	Ofd1	-1.4	8E-03	-1.4	2E-02	-1.4
NM_008740	Nsf	-1.3	5E-02	-1.5	7E-03	-1.4
NM_172988	Fbxl4	-1.2	5E-02	-1.6	1E-03	-1.4
NM_011826	Hax1	-1.4	1E-03	-1.4	8E-04	-1.4
NM_001142647	Tmem194b	-1.4	2E-02	-1.4	2E-02	-1.4
NM_028173	Tram1	-1.4	6E-04	-1.3	2E-03	-1.4

NM_001081274	Pgd	-1.3	1E-02	-1.5	9E-04	-1.4
NM_134052	Adi1	-1.3	3E-02	-1.5	7E-03	-1.4
NM_007466	Api5	-1.4	6E-03	-1.4	6E-03	-1.4
ENSMUST00000058577	2810046L04Rik	-1.3	7E-03	-1.5	7E-04	-1.4
NM_026604	Fam135a	-1.4	2E-03	-1.4	4E-03	-1.4
NM_173014	Lpcat2	-1.4	8E-03	-1.4	9E-03	-1.4
ENSMUST00000151952	Mgat4a	-1.4	1E-02	-1.4	1E-02	-1.4
NM_008565	Mcm4	-1.5	1E-04	-1.3	2E-03	-1.4
ENSMUST00000047131	Ipo4	-1.4	8E-04	-1.4	1E-03	-1.4
NM_145609	8430410K20Rik	-1.4	4E-03	-1.4	3E-03	-1.4
NM_011960	Parg	-1.4	5E-03	-1.3	2E-02	-1.4
NM_029909	C330018D20Rik	-1.4	2E-03	-1.4	9E-04	-1.4
NM_144551	Trib2	-1.3	1E-03	-1.4	3E-04	-1.4
ENSMUST00000111246	Accs	-1.4	2E-02	-1.3	5E-02	-1.4
NM_001003934	Rtn3	-1.3	7E-04	-1.4	2E-04	-1.4
NM_010901	Nfatc3	-1.4	4E-04	-1.4	2E-04	-1.4
NM_029278	Nop14	-1.3	2E-03	-1.5	2E-04	-1.4
NM_001037917	Gm6377	-1.4	2E-02	-1.3	4E-02	-1.4
BC043120	Fam76b	-1.4	1E-03	-1.4	3E-03	-1.4
NM_008602	Pias2	-1.3	9E-03	-1.5	1E-03	-1.4
NM_153055	Sec63	-1.4	5E-04	-1.4	9E-04	-1.4
NM_008999	Rab23	-1.4	2E-02	-1.3	5E-02	-1.4
ENSMUST00000050735	Zfp260	-1.5	5E-03	-1.3	2E-02	-1.4
NM_026173	Poc5	-1.3	4E-02	-1.5	8E-03	-1.4
NM_183250	Ccdc72	-1.5	8E-04	-1.2	3E-02	-1.4
NM_207705	Elmo2	-1.4	4E-03	-1.4	4E-03	-1.4
NM_001252292	Mest	-1.3	2E-02	-1.4	4E-03	-1.4
NM_207221	Jmjd1c	-1.4	5E-03	-1.4	6E-03	-1.4
NM_177103	Senp5	-1.3	2E-03	-1.4	6E-04	-1.4
NM_026062	Fam69a	-1.4	2E-02	-1.4	2E-02	-1.4
NM_027192	Ttl	-1.4	1E-02	-1.4	8E-03	-1.4
NM_001081080	Phf3	-1.3	2E-02	-1.5	4E-03	-1.4
ENSMUST00000028386	Nckap1	-1.5	8E-04	-1.2	2E-02	-1.4
NM_001039482	Klhl20	-1.4	1E-02	-1.4	1E-02	-1.4
NM_026276	Aasdhpt	-1.3	4E-02	-1.5	9E-03	-1.4
NM_175317	Eftud1	-1.2	4E-02	-1.6	8E-04	-1.4
NM_053089	Naa15	-1.4	3E-03	-1.4	4E-03	-1.4
NM_001081286	Fat1	-1.3	2E-02	-1.5	4E-03	-1.4
NM_027159	Ccdc115	-1.4	9E-03	-1.4	2E-02	-1.4
NM_027156	Ddx51	-1.4	3E-03	-1.4	2E-03	-1.4
ENSMUST00000102585	Fgf11	-1.3	1E-02	-1.4	4E-03	-1.4
NM_023179	Atp6v1g2	-1.3	2E-02	-1.4	6E-03	-1.4
NM_172587	Cdc14b	-1.3	3E-02	-1.5	2E-03	-1.4
NM_021310	Jmy	-1.3	1E-02	-1.5	7E-04	-1.4
NM_001024950	Zfp563	-1.5	1E-02	-1.3	4E-02	-1.4
ENSMUST00000116375	Cstf1	-1.2	1E-02	-1.5	2E-04	-1.4

NM_178746	Slc38a9	-1.3	2E-02	-1.4	6E-03	-1.4
NM_025707	Klhl28	-1.3	8E-04	-1.4	2E-04	-1.4
NR_003555	Vmn2r29	-1.4	4E-03	-1.4	2E-03	-1.4
ENSMUST00000121979	Cep135	-1.3	2E-02	-1.4	8E-03	-1.4
NM_080575	Acss1	-1.4	1E-02	-1.4	1E-02	-1.4
NM_001163263	Rnf20	-1.3	3E-02	-1.5	8E-03	-1.4
ENSMUST00000019064	Cxcl16	-1.5	3E-03	-1.3	3E-02	-1.4
NM_198899	Uggt1	-1.4	1E-04	-1.3	7E-04	-1.4
BC059213	4732418C07Rik	-1.3	1E-03	-1.4	3E-04	-1.4
NM_001039521	Rrn3	-1.3	4E-02	-1.5	9E-03	-1.4
NM_026579	D10Wsu102e	-1.3	4E-02	-1.4	2E-02	-1.4
NM_023680	Tnfrsf22	-1.5	9E-03	-1.3	4E-02	-1.4
ENSMUST00000029881	Mmp16	-1.3	4E-02	-1.4	2E-02	-1.4
NM_009033	Rbmxl1	-1.4	8E-04	-1.3	3E-03	-1.4
NM_001177833	Smox	-1.4	2E-02	-1.4	1E-02	-1.4
BC048158	Fam177a	-1.5	4E-03	-1.3	2E-02	-1.4
NM_194339	Bms1	-1.3	4E-04	-1.5	4E-05	-1.4
NM_134163	Mbnl3	-1.5	8E-04	-1.3	1E-02	-1.4
NM_019678	Tfg	-1.4	2E-03	-1.4	2E-03	-1.4
NM_172836	9930021J03Rik	-1.3	5E-02	-1.5	3E-03	-1.4
NM_030241	Setd8	-1.4	9E-03	-1.4	7E-03	-1.4
ENSMUST00000072080	Lrrc40	-1.3	2E-03	-1.4	4E-04	-1.4
NM_020270	Scamp5	-1.3	3E-03	-1.4	1E-03	-1.4
NM_212484	Cnot6	-1.3	3E-02	-1.5	2E-03	-1.4
ENSMUST00000034879	Hmg20a	-1.3	2E-02	-1.5	4E-03	-1.4
NM_146892	Olfr1223	-1.3	3E-03	-1.5	2E-04	-1.4
NM_001195097	3425401B19Rik	-1.4	2E-03	-1.3	1E-02	-1.4
NM_030261	Sesn3	-1.3	2E-03	-1.5	5E-05	-1.4
NM_025546	Rsl1d1	-1.5	7E-04	-1.3	9E-03	-1.4
ENSMUST00000061568	Slc36a4	-1.4	1E-02	-1.4	9E-03	-1.4
NM_172593	Mier3	-1.2	3E-02	-1.5	6E-04	-1.4
NM_011749	Zfp148	-1.5	4E-03	-1.3	3E-02	-1.4
NM_028151	Skiv2l2	-1.3	8E-04	-1.4	3E-04	-1.4
ENSMUST00000030427	Tceb3	-1.5	1E-04	-1.3	4E-03	-1.4
NM_001110826	Ddx6	-1.5	5E-05	-1.3	9E-04	-1.4
BC125500	E130311K13Rik	-1.4	9E-03	-1.4	9E-03	-1.4
NM_019480	Ebag9	-1.3	4E-02	-1.5	5E-03	-1.4
NM_019961	Pex3	-1.4	4E-04	-1.4	2E-04	-1.4
NR_037271	Mir3088	-1.5	4E-03	-1.3	4E-02	-1.4
NM_001110017	Dzip3	-1.4	5E-04	-1.4	6E-04	-1.4
NM_033560	Vps37a	-1.4	2E-03	-1.4	1E-03	-1.4
NM_144835	Heatr1	-1.5	6E-05	-1.2	8E-03	-1.4
NM_001195031	Pag1	-1.3	2E-02	-1.4	6E-03	-1.4
NM_009811	Casp6	-1.4	3E-02	-1.3	5E-02	-1.4
NM_145972	BC027231	-1.4	9E-03	-1.3	3E-02	-1.4
NM_011273	Xpr1	-1.4	4E-03	-1.3	2E-02	-1.4

ENSMUST00000091752	Hist2h3b	-1.3	2E-02	-1.4	1E-02	-1.4
NM_011889	Septin3	-1.5	6E-04	-1.3	6E-03	-1.4
NM_134138	Psmg2	-1.4	4E-03	-1.3	7E-03	-1.4
NM_177208	Dopey1	-1.5	8E-04	-1.3	2E-02	-1.4
NM_176916	Pld5	-1.4	3E-02	-1.4	3E-02	-1.4
NM_199025	Zbtb26	-1.5	4E-03	-1.3	3E-02	-1.4
NM_001081152	Npat	-1.3	2E-04	-1.4	5E-05	-1.4
ENSMUST00000039990	Leprel1	-1.3	1E-03	-1.4	5E-04	-1.4
NM_207272	Tdpoz4	-1.4	4E-02	-1.4	4E-02	-1.4
NM_173734	Tmem87a	-1.4	9E-03	-1.4	9E-03	-1.4
NM_001081265	Heatr2	-1.4	1E-02	-1.4	1E-02	-1.4
NM_007950	Ereg	-1.3	5E-02	-1.4	1E-02	-1.4
NM_026532	Nutf2	-1.4	2E-03	-1.4	2E-03	-1.4
NM_001081073	Cep76	-1.3	8E-03	-1.5	5E-04	-1.4
ENSMUST00000111117	Cdc42bpa	-1.3	2E-02	-1.4	1E-02	-1.4
NM_019914	Mllt11	-1.4	5E-03	-1.3	2E-02	-1.4
NM_177632	Fam43a	-1.4	2E-02	-1.4	2E-02	-1.4
NM_026504	Coq5	-1.2	8E-03	-1.5	1E-04	-1.4
ENSMUST00000135431	Lrrc4c	-1.4	5E-03	-1.3	1E-02	-1.4
NM_007561	Bmpr2	-1.3	2E-02	-1.5	9E-04	-1.4
NM_001163314	Pgap1	-1.2	1E-02	-1.5	3E-04	-1.4
BC031465	Fam13b	-1.4	3E-02	-1.4	3E-02	-1.4
NM_028355	Tmem48	-1.3	5E-02	-1.4	2E-02	-1.4
NM_011135	Cnot7	-1.3	6E-03	-1.4	1E-03	-1.4
NM_133705	Pycr2	-1.4	1E-02	-1.4	7E-03	-1.4
NM_001080814	Fat3	-1.3	3E-02	-1.4	1E-02	-1.4
NM_016856	Cpsf2	-1.5	4E-04	-1.2	9E-03	-1.4
NM_011186	Psmb5	-1.4	3E-04	-1.3	6E-04	-1.4
NM_175386	Lhfp	-1.5	8E-03	-1.3	4E-02	-1.4
NM_178907	Mapkapk3	-1.5	4E-04	-1.2	1E-02	-1.4
NM_173037	Tmco7	-1.3	2E-02	-1.4	5E-03	-1.4
NM_001190409	Magt1	-1.3	4E-02	-1.5	4E-03	-1.4
NM_009302	Swap70	-1.3	3E-02	-1.5	5E-03	-1.4
ENSMUST00000098873	Gabpb2	-1.4	3E-02	-1.4	4E-02	-1.4
ENSMUST00000021356	1110034A24Rik	-1.4	2E-02	-1.4	2E-02	-1.4
NM_016741	Scarb1	-1.3	4E-02	-1.4	1E-02	-1.4
NM_145952	Tbc1d12	-1.3	2E-02	-1.5	2E-03	-1.4
NM_021326	Rbak	-1.4	2E-02	-1.4	3E-02	-1.4
NM_148673	Slu7	-1.5	1E-03	-1.2	5E-02	-1.4
NM_011804	Creg1	-1.4	3E-03	-1.3	5E-03	-1.4
NM_133229	Ripply3	-1.4	2E-02	-1.4	1E-02	-1.4
ENSMUST00000054344	Eogt	-1.4	8E-03	-1.3	2E-02	-1.4
ENSMUST00000037585	Fam116a	-1.3	3E-03	-1.4	2E-03	-1.4
ENSMUST00000067298	Mrps21	-1.3	1E-02	-1.4	3E-03	-1.4
NM_133927	Itfg2	-1.4	5E-03	-1.3	1E-02	-1.4
NM_001040690	Rap1gds1	-1.4	6E-03	-1.3	1E-02	-1.4

ENSMUST00000028062	Vim	-1.4	2E-02	-1.3	3E-02	-1.4
NM_020042	Mocs1	-1.3	3E-02	-1.4	6E-03	-1.4
NM_026116	Bbs2	-1.3	4E-03	-1.4	4E-04	-1.4
NM_030690	Rai14	-1.2	5E-02	-1.5	3E-03	-1.4
NM_009386	Tjp1	-1.3	2E-02	-1.5	1E-03	-1.4
ENSMUST00000091903	Sh3bp5	-1.5	3E-03	-1.3	2E-02	-1.4
NM_029492	Zdhhc20	-1.4	1E-02	-1.3	2E-02	-1.4
ENSMUST00000044681	Arl6ip5	-1.4	1E-03	-1.3	4E-03	-1.4
NM_001081198	Tmem182	-1.3	1E-03	-1.4	3E-04	-1.4
NM_031181	Siglece	-1.4	6E-03	-1.4	8E-03	-1.4
NM_019868	Hnrnp2	-1.3	3E-03	-1.4	7E-04	-1.4
NM_013749	Tnfrsf12a	-1.3	3E-02	-1.4	9E-03	-1.4
ENSMUST00000150990	Hdhd2	-1.3	2E-02	-1.4	1E-02	-1.4
NM_028982	8430419L09Rik	-1.5	1E-03	-1.3	1E-02	-1.4
NM_177694	Ano5	-1.4	1E-02	-1.3	3E-02	-1.4
NM_010431	Hif1a	-1.4	1E-02	-1.3	2E-02	-1.4
NM_029545	6530401N04Rik	-1.5	8E-04	-1.2	3E-02	-1.4
ENSMUST00000027688	Rassf5	-1.4	4E-03	-1.3	2E-02	-1.4
NM_145599	Tmem184c	-1.5	7E-04	-1.2	1E-02	-1.4
NM_207246	Rasgrp3	-1.4	8E-04	-1.3	3E-03	-1.4
NM_025645	Snrrp40	-1.3	9E-03	-1.4	3E-03	-1.4
ENSMUST00000090178	Dnajb14	-1.3	1E-02	-1.4	7E-03	-1.4
NM_053086	Nolc1	-1.2	3E-02	-1.5	1E-03	-1.4
ENSMUST00000018625	Appbp2	-1.3	1E-04	-1.4	6E-05	-1.4
NM_178696	Slc25a44	-1.4	1E-02	-1.3	3E-02	-1.4
NR_039590	Mir5128	-1.3	2E-02	-1.4	3E-03	-1.4
NM_145483	Zfp160	-1.4	5E-03	-1.3	7E-03	-1.4
BC064033	Fam180a	-1.4	3E-02	-1.4	3E-02	-1.4
NM_007550	Blm	-1.5	2E-03	-1.2	4E-02	-1.4
NM_001110015	Wdr36	-1.4	2E-04	-1.3	3E-04	-1.4
NM_026217	Atg12	-1.4	1E-03	-1.3	8E-03	-1.4
NM_029929	Vps33a	-1.3	1E-02	-1.4	1E-03	-1.4
NM_009851	Cd44	-1.4	9E-03	-1.3	2E-02	-1.4
NM_011739	Ywhaq	-1.4	2E-03	-1.3	3E-03	-1.4
ENSMUST00000012540	Nanog	-1.3	2E-02	-1.4	2E-03	-1.4
NM_172616	C330027C09Rik	-1.4	2E-02	-1.3	3E-02	-1.4
NM_026067	Eri1	-1.4	1E-02	-1.3	2E-02	-1.4
ENSMUST00000022429	Arf4	-1.4	4E-04	-1.3	1E-03	-1.4
NM_018732	Scn3a	-1.4	3E-03	-1.3	2E-02	-1.4
ENSMUST00000166032	Tdrkh	-1.2	7E-03	-1.5	2E-04	-1.4
NM_026482	Atp2b1	-1.3	4E-04	-1.4	3E-04	-1.4
NM_009158	Mapk10	-1.4	2E-03	-1.3	3E-03	-1.4
ENSMUST00000007602	M6pr	-1.3	2E-04	-1.4	2E-04	-1.4
NM_153532	Zfp280c	-1.2	1E-02	-1.5	5E-04	-1.4
NM_007566	Birc6	-1.4	9E-05	-1.3	7E-04	-1.4
BC044749	2310057M21Rik	-1.3	7E-03	-1.4	7E-04	-1.4

NM_030096	Ddx52	-1.4	4E-04	-1.3	6E-04	-1.4
NM_145466	A2ld1	-1.3	9E-03	-1.4	4E-03	-1.4
NM_172591	Fcho2	-1.4	5E-03	-1.3	2E-02	-1.4
NM_009361	Tfdp1	-1.4	1E-03	-1.3	2E-03	-1.4
NM_013719	Eif2ak4	-1.3	3E-02	-1.4	4E-03	-1.4
NM_177338	Hmbx1	-1.4	3E-03	-1.3	4E-03	-1.4
ENSMUST00000105520	Enpp1	-1.3	2E-02	-1.4	2E-03	-1.4
NM_001205043	Jarid2	-1.3	9E-03	-1.4	5E-03	-1.4
NM_001033242	Cln5	-1.3	2E-03	-1.4	3E-04	-1.4
NM_027769	Cpne3	-1.5	3E-03	-1.2	4E-02	-1.4
NM_001081118	Phrf1	-1.3	3E-02	-1.4	1E-02	-1.4
NM_001033213	Ttc7b	-1.2	4E-03	-1.5	2E-04	-1.4
NM_133994	Gstt3	-1.5	4E-04	-1.2	7E-03	-1.4
NM_001167750	Ccdc132	-1.3	2E-02	-1.4	2E-02	-1.4
NM_021504	Ngly1	-1.3	2E-02	-1.4	2E-02	-1.4
NM_011764	Zfp90	-1.3	3E-02	-1.4	8E-03	-1.4
ENSMUST00000103005	Shroom4	-1.4	1E-02	-1.3	1E-02	-1.4
NM_009316	Map3k7	-1.3	3E-03	-1.4	2E-03	-1.4
NM_023311	Yipf5	-1.4	1E-04	-1.3	3E-04	-1.3
NM_008105	Gcnt2	-1.3	3E-02	-1.4	3E-02	-1.3
ENSMUST00000028059	Rsu1	-1.5	2E-03	-1.2	3E-02	-1.3
ENSMUST00000027444	Pde6d	-1.3	8E-03	-1.4	7E-03	-1.3
NM_080554	Psmc5	-1.4	7E-04	-1.3	7E-04	-1.3
NM_001013389	Mrs2	-1.3	5E-03	-1.4	4E-03	-1.3
NM_026277	Nob1	-1.4	2E-03	-1.3	3E-03	-1.3
ENSMUST00000046520	Fkbp14	-1.3	4E-02	-1.4	8E-03	-1.3
NM_201360	Cyp2d12	-1.4	2E-02	-1.3	4E-02	-1.3
NM_028228	Pinx1	-1.4	1E-02	-1.3	2E-02	-1.3
NM_008862	Pkia	-1.3	3E-02	-1.4	1E-02	-1.3
NM_001082485	Zfp266	-1.4	9E-03	-1.3	2E-02	-1.3
NM_016802	Rhoa	-1.3	2E-05	-1.4	4E-06	-1.3
NM_133227	Nup155	-1.4	2E-02	-1.3	2E-02	-1.3
NM_146096	Fam108b	-1.2	3E-03	-1.4	1E-04	-1.3
NM_001142731	Kctd1	-1.3	3E-02	-1.4	1E-02	-1.3
NM_029788	Rnft1	-1.4	9E-03	-1.3	3E-02	-1.3
NM_025483	Senp7	-1.4	3E-02	-1.3	4E-02	-1.3
NM_145076	Trim24	-1.4	8E-03	-1.3	1E-02	-1.3
ENSMUST00000007708	Ppp2r1a	-1.3	3E-03	-1.4	2E-04	-1.3
ENSMUST00000048774	Copg2	-1.3	4E-03	-1.4	3E-03	-1.3
NM_001081251	Pbrm1	-1.3	7E-05	-1.4	4E-05	-1.3
ENSMUST00000160285	Wdr63	-1.3	5E-02	-1.4	2E-02	-1.3
ENSMUST00000052368	Kdm6a	-1.3	4E-04	-1.4	7E-05	-1.3
NM_001004154	Rragb	-1.3	4E-02	-1.4	2E-02	-1.3
NM_013814	Galnt1	-1.4	2E-05	-1.2	4E-04	-1.3
ENSMUST00000063191	Serpib9	-1.3	3E-02	-1.4	3E-03	-1.3
ENSMUST00000020113	Poc1b	-1.3	3E-02	-1.4	5E-03	-1.3

NM_174875	Atg4a	-1.4	3E-03	-1.3	6E-03	-1.3
ENSMUST00000071650	Idua	-1.4	6E-03	-1.3	9E-03	-1.3
NM_172585	Larp4b	-1.4	5E-04	-1.3	6E-04	-1.3
ENSMUST00000029569	Slc35a3	-1.3	3E-03	-1.4	6E-04	-1.3
ENSMUST00000077273	Ext1	-1.2	2E-02	-1.5	6E-04	-1.3
NM_013652	Ccl4	-1.4	7E-03	-1.3	5E-02	-1.3
NM_015806	Mapk6	-1.2	2E-02	-1.5	9E-04	-1.3
NM_145458	Pxk	-1.4	2E-03	-1.3	5E-03	-1.3
NM_019498	Olfm1	-1.3	2E-02	-1.4	5E-03	-1.3
NM_011132	Pole	-1.4	6E-03	-1.3	2E-02	-1.3
ENSMUST00000085573	Traf5	-1.4	4E-03	-1.3	3E-02	-1.3
ENSMUST00000114025	Prrg1	-1.4	4E-03	-1.2	5E-02	-1.3
NM_001103157	Steap2	-1.4	8E-03	-1.3	1E-02	-1.3
NM_027113	Wdr5b	-1.3	3E-02	-1.3	4E-02	-1.3
NM_145552	Gnl2	-1.3	2E-02	-1.3	2E-02	-1.3
NM_025356	Ube2d3	-1.3	5E-04	-1.3	5E-04	-1.3
ENSMUST00000125716	Gnao1	-1.4	9E-04	-1.3	3E-03	-1.3
NM_024452	Luzp1	-1.4	6E-04	-1.3	4E-03	-1.3
NM_018742	Bet1l	-1.4	4E-03	-1.2	4E-02	-1.3
NM_178647	Cggbp1	-1.3	2E-02	-1.4	1E-02	-1.3
NM_001081113	Ipo8	-1.3	2E-02	-1.4	9E-03	-1.3
NM_001162921	Zc3h12c	-1.2	4E-02	-1.4	3E-03	-1.3
ENSMUST00000081339	Rrp1b	-1.3	2E-02	-1.4	6E-03	-1.3
NM_015751	Abce1	-1.4	1E-03	-1.3	7E-03	-1.3
ENSMUST00000032735	Mphosph10	-1.4	1E-02	-1.3	5E-02	-1.3
NM_029942	Prelid2	-1.4	2E-02	-1.3	3E-02	-1.3
NM_001085495	Arfgef2	-1.4	6E-03	-1.3	3E-02	-1.3
ENSMUST00000000153	Gna12	-1.3	2E-03	-1.3	2E-03	-1.3
NM_009829	Ccnd2	-1.3	4E-02	-1.4	2E-02	-1.3
NM_027045	Gcap14	-1.4	4E-04	-1.3	3E-03	-1.3
NM_013841	Vps45	-1.4	1E-02	-1.3	3E-02	-1.3
NR_027008	Gt(ROSA)26Sor	-1.4	3E-02	-1.3	4E-02	-1.3
NM_009461	Ubr1	-1.3	3E-03	-1.4	1E-03	-1.3
NM_001081300	Tshz1	-1.2	1E-02	-1.4	9E-04	-1.3
NM_173757	Mrps27	-1.3	3E-02	-1.4	2E-02	-1.3
NM_008466	Kpna3	-1.4	3E-03	-1.3	8E-03	-1.3
NM_138667	Tab2	-1.3	2E-04	-1.4	6E-05	-1.3
NM_138685	Wfdc15b	-1.3	2E-02	-1.3	3E-02	-1.3
NM_025791	Tmem223	-1.3	2E-02	-1.3	2E-02	-1.3
NM_010608	Kcnk3	-1.3	3E-03	-1.4	4E-04	-1.3
NM_177670	Tmem69	-1.3	4E-02	-1.4	7E-03	-1.3
NM_175094	Pdhx	-1.3	1E-02	-1.4	2E-03	-1.3
NM_009677	Ap1g1	-1.3	2E-04	-1.3	3E-04	-1.3
ENSMUST00000015100	Ppp1cb	-1.3	3E-03	-1.4	3E-04	-1.3
NM_133906	Zkscan1	-1.3	3E-02	-1.3	4E-02	-1.3
NR_028109	Fam172a	-1.4	4E-03	-1.3	2E-02	-1.3

ENSMUST00000027997	Rgs5	-1.5	1E-03	-1.2	4E-02	-1.3
NM_001033270	Slc4a7	-1.3	2E-03	-1.3	1E-03	-1.3
ENSMUST00000006435	Atp6v1b2	-1.3	8E-04	-1.4	2E-04	-1.3
ENSMUST00000154617	Rps6kb1	-1.3	2E-02	-1.4	5E-03	-1.3
ENSMUST00000063084	Xbp1	-1.4	4E-03	-1.3	2E-02	-1.3
NM_001033194	Gtf3c3	-1.3	6E-03	-1.3	9E-03	-1.3
NM_001159965	Ralgps2	-1.3	7E-04	-1.3	6E-04	-1.3
NM_026040	Srfbp1	-1.4	1E-02	-1.3	3E-02	-1.3
NM_001042438	Zhx1	-1.4	2E-03	-1.2	3E-02	-1.3
NM_175025	Atp2c1	-1.3	6E-04	-1.3	8E-04	-1.3
NM_001146060	Als2cl	-1.4	1E-02	-1.3	3E-02	-1.3
NM_001004190	Zfp560	-1.5	2E-03	-1.2	4E-02	-1.3
NM_026876	1190005F20Rik	-1.3	4E-03	-1.4	1E-03	-1.3
ENSMUST00000108156	Bbs7	-1.3	2E-02	-1.3	2E-02	-1.3
NM_172926	Snx14	-1.4	3E-03	-1.3	1E-02	-1.3
NM_008566	Mcm5	-1.3	3E-02	-1.4	2E-02	-1.3
NM_029094	Pik3cb	-1.2	6E-03	-1.4	3E-04	-1.3
NM_030262	Pofut2	-1.2	3E-03	-1.4	2E-04	-1.3
NM_025999	Rnf141	-1.4	2E-05	-1.3	2E-04	-1.3
NM_008133	Glud1	-1.3	3E-03	-1.4	7E-04	-1.3
ENSMUST00000040881	Cluap1	-1.4	3E-03	-1.3	2E-02	-1.3
NM_197997	4930422G04Rik	-1.3	3E-02	-1.4	7E-03	-1.3
NM_146208	Neil3	-1.4	7E-03	-1.3	4E-02	-1.3
NM_025932	Syp1	-1.3	2E-04	-1.3	2E-04	-1.3
NM_134188	Acot2	-1.4	1E-02	-1.3	2E-02	-1.3
NM_011930	Clcn7	-1.3	3E-02	-1.4	5E-03	-1.3
NM_007499	Atm	-1.3	4E-05	-1.3	2E-05	-1.3
NM_018819	Brp44l	-1.3	4E-03	-1.4	8E-04	-1.3
ENSMUST00000057438	Vcpip1	-1.3	4E-03	-1.4	2E-03	-1.3
NM_172695	Plaa	-1.3	1E-02	-1.4	8E-03	-1.3
NM_024190	Chmp1b	-1.3	2E-02	-1.4	6E-03	-1.3
ENSMUST00000057792	Pon2	-1.3	2E-02	-1.3	1E-02	-1.3
NM_008943	Psen1	-1.4	2E-03	-1.3	1E-02	-1.3
NM_028136	Dhx36	-1.3	3E-04	-1.3	6E-04	-1.3
NM_025443	Pno1	-1.4	3E-03	-1.3	2E-02	-1.3
NM_001146311	Cln3	-1.3	3E-02	-1.3	3E-02	-1.3
NR_046281	4930502E09Rik	-1.3	8E-03	-1.3	1E-02	-1.3
ENSMUST00000021920	Sptlc1	-1.3	6E-03	-1.3	4E-03	-1.3
NM_178870	Hs3st3a1	-1.4	1E-02	-1.3	3E-02	-1.3
NM_145475	Cerk	-1.4	1E-02	-1.3	2E-02	-1.3
NM_017472	Snx3	-1.2	4E-02	-1.4	2E-03	-1.3
NM_172937	Shprh	-1.3	9E-04	-1.4	2E-04	-1.3
NM_134076	Abhd4	-1.4	1E-03	-1.2	2E-02	-1.3
NM_001081056	Xpot	-1.4	2E-03	-1.3	6E-03	-1.3
NM_029653	Dapk1	-1.3	2E-02	-1.3	1E-02	-1.3
NM_146005	Ank3	-1.2	3E-02	-1.4	6E-03	-1.3

NM_018749	Eif3d	-1.4	5E-03	-1.3	1E-02	-1.3
NM_025942	Ola1	-1.3	2E-02	-1.4	6E-03	-1.3
ENSMUST00000110109	Plcb4	-1.3	4E-03	-1.3	4E-03	-1.3
ENSMUST00000092984	Myh10	-1.3	2E-04	-1.3	1E-04	-1.3
ENSMUST00000002790	Cse1l	-1.3	1E-03	-1.4	3E-04	-1.3
ENSMUST00000031680	Ing3	-1.3	1E-02	-1.3	9E-03	-1.3
NM_001077495	Pik3r1	-1.3	7E-03	-1.4	1E-03	-1.3
ENSMUST00000043760	Mvk	-1.3	1E-02	-1.4	4E-03	-1.3
NM_207671	Zfp318	-1.3	3E-02	-1.4	1E-02	-1.3
NM_178407	Arap2	-1.4	4E-03	-1.3	1E-02	-1.3
NM_025481	Smurf2	-1.3	2E-04	-1.3	3E-04	-1.3
NM_201519	Map4k5	-1.3	2E-03	-1.3	4E-03	-1.3
NM_011240	Ranbp2	-1.3	1E-03	-1.4	3E-04	-1.3
NM_011916	Xrn1	-1.3	5E-03	-1.3	3E-03	-1.3
NM_026647	Zdhhc21	-1.3	7E-03	-1.3	5E-03	-1.3
ENSMUST00000165563	Micu1	-1.4	1E-03	-1.2	4E-02	-1.3
NM_175647	Dmrta1	-1.2	1E-02	-1.4	5E-04	-1.3
NM_022979	Nup98	-1.3	2E-03	-1.4	1E-03	-1.3
NM_001122982	Ccnc	-1.3	5E-02	-1.4	2E-02	-1.3
NM_027513	Nup205	-1.3	9E-03	-1.3	7E-03	-1.3
NM_144917	Elmod3	-1.3	3E-02	-1.3	2E-02	-1.3
NM_144826	Utp6	-1.4	2E-03	-1.2	4E-02	-1.3
NM_178377	Commd10	-1.3	3E-02	-1.4	1E-02	-1.3
NM_033320	Glce	-1.4	2E-03	-1.3	1E-02	-1.3
NM_029884	Hgsnat	-1.4	3E-04	-1.3	1E-03	-1.3
ENSMUST00000081636	Prkag3	-1.3	3E-02	-1.3	2E-02	-1.3
ENSMUST00000152954	Hars2	-1.2	4E-02	-1.4	2E-03	-1.3
NM_001029934	Usp32	-1.3	8E-03	-1.3	4E-03	-1.3
NM_152812	Otud6b	-1.4	2E-03	-1.3	6E-03	-1.3
NM_001162532	Fam174b	-1.3	5E-02	-1.4	2E-02	-1.3
NM_026390	Ubxn4	-1.4	5E-04	-1.2	2E-02	-1.3
ENSMUST00000065562	Socs4	-1.3	6E-03	-1.3	7E-03	-1.3
ENSMUST00000053771	Phkb	-1.3	2E-02	-1.3	2E-02	-1.3
ENSMUST00000046306	Ikzf5	-1.3	2E-02	-1.4	5E-03	-1.3
NM_001252494	Rapgef6	-1.4	1E-02	-1.3	4E-02	-1.3
NM_001110013	Tmtc3	-1.4	3E-04	-1.2	3E-03	-1.3
NM_172307	Mbtps2	-1.3	8E-03	-1.3	9E-03	-1.3
NM_177705	4932411N23Rik	-1.3	3E-02	-1.3	5E-02	-1.3
NM_001114332	Slc16a10	-1.2	4E-02	-1.4	6E-03	-1.3
NM_177003	9630033F20Rik	-1.3	1E-02	-1.3	7E-03	-1.3
ENSMUST00000128909	Tmem56	-1.3	3E-02	-1.3	3E-02	-1.3
ENSMUST00000033609	Cstf2	-1.4	2E-02	-1.3	4E-02	-1.3
NM_138677	Edem1	-1.3	3E-02	-1.3	4E-02	-1.3
ENSMUST00000059899	Mmgt1	-1.3	4E-03	-1.4	8E-04	-1.3
ENSMUST00000084838	Cd47	-1.4	1E-03	-1.2	1E-02	-1.3
NM_207214	Exoc5	-1.3	3E-02	-1.4	8E-03	-1.3

NM_027270	Exoc1	-1.3	5E-02	-1.4	2E-02	-1.3
NM_001081058	Cdk13	-1.3	2E-02	-1.3	9E-03	-1.3
NM_152895	Kdm5b	-1.3	1E-02	-1.4	3E-03	-1.3
NM_175312	B630005N14Rik	-1.3	3E-03	-1.3	2E-03	-1.3
NM_001160214	Smek1	-1.3	1E-02	-1.4	5E-03	-1.3
NM_009057	Slc50a1	-1.4	3E-04	-1.2	4E-03	-1.3
NM_027892	Ppp1r12a	-1.2	8E-03	-1.4	4E-04	-1.3
ENSMUST00000070607	Haus6	-1.3	5E-02	-1.3	4E-02	-1.3
NM_027315	Ube2q1	-1.4	7E-06	-1.3	7E-05	-1.3
AK042831	A730028G07Rik	-1.3	2E-02	-1.4	5E-03	-1.3
NM_025447	Dimt1	-1.3	1E-02	-1.3	2E-02	-1.3
ENSMUST00000112925	Ift122	-1.4	5E-04	-1.2	1E-02	-1.3
ENSMUST00000028619	Hsd17b12	-1.3	1E-02	-1.3	1E-02	-1.3
NM_020588	Tmem183a	-1.3	7E-03	-1.3	1E-02	-1.3
NM_177767	Ogfod1	-1.3	3E-02	-1.3	2E-02	-1.3
NM_026401	Mrp63	-1.3	2E-02	-1.3	9E-03	-1.3
NM_178912	Fancm	-1.4	8E-03	-1.3	3E-02	-1.3
NM_026879	Chmp2b	-1.3	3E-03	-1.3	7E-03	-1.3
NM_177692	Bloc1s3	-1.4	2E-03	-1.3	1E-02	-1.3
NM_011740	Ywhaz	-1.3	6E-03	-1.4	2E-03	-1.3
BC016084	BC031181	-1.4	3E-03	-1.2	2E-02	-1.3
NM_028887	Smchd1	-1.3	2E-04	-1.3	5E-04	-1.3
NM_028994	Pck2	-1.3	4E-03	-1.3	2E-03	-1.3
NM_178380	Dhx38	-1.3	4E-03	-1.3	5E-03	-1.3
ENSMUST00000095070	Dnajc25	-1.3	2E-02	-1.4	4E-03	-1.3
ENSMUST00000031693	Spam1	-1.3	8E-03	-1.3	1E-02	-1.3
NM_025872	Golt1b	-1.3	4E-03	-1.3	2E-03	-1.3
NM_001026214	Entpd5	-1.3	1E-02	-1.3	6E-03	-1.3
NM_011416	Smarca2	-1.3	2E-03	-1.3	2E-03	-1.3
NM_011030	P4ha1	-1.4	2E-03	-1.2	2E-02	-1.3
NM_019588	Plce1	-1.3	4E-04	-1.3	2E-04	-1.3
NM_007769	Dmbt1	-1.3	4E-02	-1.3	2E-02	-1.3
NM_153164	Cnot1	-1.3	3E-04	-1.3	9E-05	-1.3
NM_027462	Wars2	-1.4	8E-04	-1.3	4E-03	-1.3
NM_001004362	2610008E11Rik	-1.3	4E-02	-1.3	5E-02	-1.3
ENSMUST00000109790	Asxl1	-1.4	1E-02	-1.3	4E-02	-1.3
BC031379	2610034B18Rik	-1.4	5E-04	-1.2	4E-03	-1.3
ENSMUST00000112194	Trappc2	-1.3	5E-02	-1.3	4E-02	-1.3
NM_026364	Prpsap1	-1.3	5E-02	-1.3	3E-02	-1.3
ENSMUST00000035635	Bmp2k	-1.3	1E-02	-1.3	9E-03	-1.3
NM_029090	Nat15	-1.3	1E-02	-1.3	8E-03	-1.3
NM_007983	Faf1	-1.3	2E-03	-1.3	1E-03	-1.3
NM_019920	Lamtor3	-1.3	9E-03	-1.3	7E-03	-1.3
NM_022989	Arl6ip6	-1.3	2E-02	-1.4	4E-03	-1.3
NM_026028	Ccdc77	-1.3	9E-03	-1.3	2E-02	-1.3
NM_146671	Olfr822	-1.3	4E-02	-1.3	3E-02	-1.3

NM_001025392	Bclaf1	-1.3	1E-02	-1.3	1E-02	-1.3
NM_007690	Chd1	-1.2	6E-03	-1.4	1E-03	-1.3
BC034664	Lyrn4	-1.3	5E-04	-1.3	8E-04	-1.3
NM_172595	Arl15	-1.3	3E-02	-1.3	2E-02	-1.3
NM_019658	Shoc2	-1.3	5E-04	-1.3	3E-04	-1.3
ENSMUST00000028384	Dusp19	-1.3	4E-02	-1.3	4E-02	-1.3
ENSMUST00000150434	Brwd3	-1.3	1E-02	-1.3	2E-02	-1.3
NM_177240	D030016E14Rik	-1.2	8E-03	-1.4	8E-04	-1.3
ENSMUST00000004054	Kpna1	-1.3	4E-02	-1.3	2E-02	-1.3
NM_021393	Cobra1	-1.2	4E-02	-1.4	6E-03	-1.3
NM_146054	Fermt2	-1.3	5E-03	-1.3	2E-03	-1.3
NM_026234	Pigm	-1.2	3E-02	-1.4	4E-03	-1.3
NM_007481	Arf6	-1.2	5E-03	-1.4	5E-04	-1.3
ENSMUST00000063318	Slc16a7	-1.3	2E-02	-1.3	3E-02	-1.3
NM_027375	Gcc2	-1.4	5E-03	-1.2	4E-02	-1.3
NM_172393	Aim1	-1.3	5E-02	-1.3	2E-02	-1.3
ENSMUST00000044359	Ankrd44	-1.3	3E-02	-1.3	9E-03	-1.3
NM_029010	Glb1l	-1.3	4E-02	-1.3	3E-02	-1.3
NM_133702	Nol11	-1.3	4E-03	-1.3	1E-02	-1.3
NM_011734	Siae	-1.4	6E-04	-1.2	8E-03	-1.3
NM_172666	Agps	-1.3	8E-03	-1.3	9E-03	-1.3
NM_053084	Trim32	-1.2	4E-02	-1.4	5E-03	-1.3
NM_126166	Tlr3	-1.3	7E-03	-1.3	3E-02	-1.3
NM_001112714	Ralgapa1	-1.3	4E-03	-1.3	9E-04	-1.3
NM_008640	Laptn4a	-1.2	9E-04	-1.4	5E-05	-1.3
NM_026033	Gatad1	-1.3	2E-02	-1.3	2E-02	-1.3
NM_001163759	Dhx57	-1.2	6E-03	-1.4	9E-04	-1.3
NM_173444	Nbeal1	-1.3	2E-04	-1.3	3E-04	-1.3
NM_145962	Pank3	-1.3	1E-02	-1.3	3E-02	-1.3
ENSMUST00000080215	Chst15	-1.3	5E-03	-1.3	4E-03	-1.3
NR_040680	LOC100503496	-1.3	1E-02	-1.3	2E-02	-1.3
ENSMUST00000029358	Nmd3	-1.3	4E-02	-1.3	3E-02	-1.3
NM_008142	Gnb1	-1.3	8E-03	-1.3	1E-02	-1.3
NM_001039089	Sel1l	-1.3	4E-04	-1.3	1E-04	-1.3
NM_027642	Phf6	-1.3	3E-03	-1.3	7E-03	-1.3
NM_008564	Mcm2	-1.3	3E-03	-1.3	3E-03	-1.3
NM_008702	Nlk	-1.2	3E-02	-1.3	1E-02	-1.3
NM_026396	Brix1	-1.3	2E-02	-1.3	2E-02	-1.3
NM_009680	Ap3b1	-1.3	3E-04	-1.3	2E-03	-1.3
NM_001081008	Taf1	-1.2	8E-03	-1.4	4E-04	-1.3
NR_046064	Gm10373	-1.4	9E-04	-1.2	1E-02	-1.3
NM_009535	Yes1	-1.3	5E-02	-1.3	2E-02	-1.3
NM_018759	Zfp326	-1.3	4E-02	-1.3	2E-02	-1.3
XM_994335	Gm8978	-1.3	3E-02	-1.3	4E-02	-1.3
ENSMUST00000164568	Pde8a	-1.3	1E-02	-1.3	6E-03	-1.3
NM_001081161	Fam171a1	-1.3	2E-02	-1.3	5E-02	-1.3

ENSMUST00000002848	Grin2d	-1.2	8E-03	-1.4	7E-04	-1.3
NM_026307	Cuta	-1.3	4E-02	-1.3	4E-02	-1.3
NM_011101	Prkca	-1.3	4E-02	-1.3	2E-02	-1.3
NM_026453	Mak16	-1.3	1E-02	-1.2	3E-02	-1.3
NM_018851	Samhd1	-1.3	2E-02	-1.3	2E-02	-1.3
NM_008914	Ppp3cb	-1.2	1E-02	-1.4	9E-04	-1.3
NM_001128096	Atp13a3	-1.4	5E-03	-1.2	2E-02	-1.3
ENSMUST00000081933	Dtx3l	-1.3	1E-02	-1.2	4E-02	-1.3
NM_019553	Ddx21	-1.3	6E-03	-1.2	2E-02	-1.3
ENSMUST00000029770	Abcd3	-1.2	2E-02	-1.4	1E-03	-1.3
NM_011112	Papola	-1.3	2E-03	-1.2	1E-02	-1.3
NM_025938	Rpp14	-1.3	9E-03	-1.2	3E-02	-1.3
NM_001007573	Maneal	-1.2	1E-02	-1.4	9E-04	-1.3
NM_173185	Csnk1g1	-1.3	5E-03	-1.3	1E-02	-1.3
NM_007971	Ezh2	-1.3	7E-03	-1.3	2E-03	-1.3
ENSMUST00000059319	Tmem17	-1.3	2E-02	-1.3	3E-02	-1.3
NM_133766	Efr3a	-1.3	4E-03	-1.3	1E-02	-1.3
ENSMUST00000112990	Mid2	-1.3	4E-04	-1.3	1E-04	-1.3
ENSMUST00000030138	Nol6	-1.3	6E-03	-1.3	2E-03	-1.3
ENSMUST00000026710	Usp16	-1.3	2E-04	-1.3	3E-04	-1.3
ENSMUST00000022451	Capn7	-1.4	3E-03	-1.2	2E-02	-1.3
NM_001199177	Opa1	-1.2	3E-02	-1.4	5E-03	-1.3
NM_027423	Polr3b	-1.3	3E-03	-1.3	2E-03	-1.3
NM_008379	Kpnb1	-1.3	7E-03	-1.3	2E-03	-1.3
NM_015827	Copb2	-1.3	5E-03	-1.3	1E-02	-1.3
XM_003688829	LOC100862151	-1.3	7E-03	-1.3	6E-03	-1.3
ENSMUST00000102956	Slmap	-1.3	6E-03	-1.3	5E-03	-1.3
NM_010820	Mpdz	-1.3	4E-05	-1.3	2E-04	-1.3
NM_023662	Pcm1	-1.3	2E-03	-1.3	1E-03	-1.3
NM_030886	Ankrd17	-1.3	1E-04	-1.3	1E-04	-1.3
ENSMUST00000039247	Dsc2	-1.2	2E-02	-1.3	4E-03	-1.3
NM_024185	Fam188a	-1.3	2E-02	-1.3	7E-03	-1.3
ENSMUST00000079996	Zfand2a	-1.3	4E-02	-1.3	3E-02	-1.3
NM_012032	Serinc3	-1.3	2E-03	-1.3	8E-04	-1.3
ENSMUST00000122424	Fam20b	-1.3	7E-03	-1.3	4E-03	-1.3
ENSMUST00000054442	N6amt1	-1.3	3E-02	-1.3	4E-02	-1.3
ENSMUST00000002418	2310045N01Rik	-1.2	4E-03	-1.4	2E-04	-1.3
NM_030711	Erap1	-1.3	2E-03	-1.3	2E-03	-1.3
NM_007668	Cdk5	-1.2	2E-02	-1.3	4E-03	-1.3
ENSMUST00000000776	Tubgcp3	-1.3	8E-03	-1.3	1E-02	-1.3
NM_199016	Enpp4	-1.3	2E-02	-1.3	2E-02	-1.3
ENSMUST00000035766	Wdr44	-1.3	2E-02	-1.3	4E-02	-1.3
NM_177151	Vps13b	-1.3	5E-03	-1.3	1E-02	-1.3
NM_026181	Gpatch1	-1.4	4E-03	-1.2	3E-02	-1.3
NM_024459	Ppp3r1	-1.3	2E-03	-1.3	4E-03	-1.3
NM_178246	Smg5	-1.2	4E-03	-1.3	1E-03	-1.3

NM_001163635	Tnks2	-1.3	6E-03	-1.3	4E-03	-1.3
NM_001161362	Ppp2r3a	-1.2	2E-02	-1.3	7E-03	-1.3
ENSMUST00000033910	Leprotl1	-1.2	3E-02	-1.4	4E-03	-1.3
NM_133807	Lrrc59	-1.3	5E-03	-1.3	5E-03	-1.3
NM_009806	Cask	-1.3	2E-02	-1.3	1E-02	-1.3
NM_134015	Fbxw11	-1.2	3E-02	-1.3	8E-03	-1.3
NR_027488	Senp2	-1.3	2E-02	-1.3	2E-02	-1.3
NM_001193303	Lims1	-1.3	1E-02	-1.3	9E-03	-1.3
NM_009443	Tgoln1	-1.3	2E-04	-1.2	2E-03	-1.3
NM_010918	Nktr	-1.2	4E-02	-1.3	6E-03	-1.3
NM_029988	Pigh	-1.3	2E-02	-1.2	5E-02	-1.3
NM_177608	Secisbp2l	-1.3	3E-02	-1.3	2E-02	-1.3
NM_001004164	Gnptab	-1.2	5E-02	-1.4	5E-03	-1.3
ENSMUST00000111665	Tmx2	-1.3	2E-02	-1.3	1E-02	-1.3
NM_144870	Ndufs8	-1.3	1E-02	-1.3	2E-02	-1.3
NM_175375	Ankhd1	-1.3	7E-04	-1.3	7E-04	-1.3
ENSMUST00000140299	Tmem5	-1.3	3E-02	-1.3	3E-02	-1.3
NM_001164677	Pdcd6ip	-1.2	4E-03	-1.3	8E-04	-1.3
ENSMUST00000108277	Tnfaip1	-1.3	1E-02	-1.3	9E-03	-1.3
NM_001205361	Dcun1d1	-1.3	1E-02	-1.2	4E-02	-1.3
NM_019816	Aatf	-1.3	4E-03	-1.2	9E-03	-1.3
NM_029478	Vmp1	-1.2	5E-02	-1.3	1E-02	-1.3
NM_001163026	Dnajc13	-1.3	4E-03	-1.3	7E-03	-1.3
ENSMUST00000127247	Tmem229a	-1.3	9E-03	-1.3	4E-03	-1.3
ENSMUST00000041374	Manea	-1.3	1E-04	-1.3	4E-05	-1.3
NM_011278	Rnf4	-1.3	6E-04	-1.2	8E-03	-1.3
NM_177780	Dock5	-1.2	2E-03	-1.3	4E-04	-1.3
NM_001166416	Med23	-1.3	1E-02	-1.2	3E-02	-1.3
NM_001114119	Qrich1	-1.3	5E-04	-1.2	3E-03	-1.3
NM_172285	Plcg2	-1.2	2E-02	-1.3	6E-03	-1.3
NR_030523	Mir652	-1.3	4E-02	-1.3	3E-02	-1.3
NM_001024926	Cyb5d2	-1.3	2E-02	-1.3	1E-02	-1.3
NM_024244	Fam13c	-1.3	6E-03	-1.3	1E-02	-1.3
NM_026574	Ino80	-1.2	4E-02	-1.3	6E-03	-1.3
NM_025965	Ssr1	-1.3	2E-03	-1.2	2E-02	-1.3
NM_001042523	Txnrd1	-1.3	4E-02	-1.3	3E-02	-1.3
NR_033173	Krit1	-1.3	9E-04	-1.3	1E-03	-1.3
NM_011585	Tia1	-1.2	3E-02	-1.3	4E-03	-1.3
NM_029320	Pibf1	-1.3	1E-02	-1.2	4E-02	-1.3
NM_147005	Olfr395	-1.2	3E-02	-1.3	1E-02	-1.3
ENSMUST00000028251	Rbm18	-1.3	6E-03	-1.2	2E-02	-1.3
NM_173363	Eif5	-1.3	8E-04	-1.2	9E-03	-1.3
ENSMUST00000107545	Med1	-1.2	7E-03	-1.3	1E-03	-1.3
NM_199196	Suz12	-1.3	5E-02	-1.3	4E-02	-1.3
NM_001024952	Rc3h1	-1.3	3E-03	-1.3	4E-03	-1.3
NM_029074	Tmem188	-1.3	3E-02	-1.3	2E-02	-1.3

NM_026417	Yipf4	-1.3	1E-02	-1.3	2E-02	-1.3
NM_175353	Exoc6	-1.3	1E-03	-1.2	7E-03	-1.3
NM_144861	Rprd1a	-1.3	3E-03	-1.2	6E-03	-1.3
NM_027807	Cul5	-1.2	3E-02	-1.3	2E-02	-1.3
NM_001253391	Mtfr1	-1.3	9E-03	-1.2	4E-02	-1.3
NM_008246	Hiat1	-1.3	2E-03	-1.2	1E-02	-1.3
NM_001013770	Lipo1	-1.2	9E-03	-1.3	2E-03	-1.3
NM_001013370	Sesn1	-1.2	5E-02	-1.3	2E-02	-1.3
NM_172771	Dmxl2	-1.3	3E-04	-1.2	1E-03	-1.3
ENSMUST00000016639	5033414D02Rik	-1.3	4E-02	-1.3	3E-02	-1.3
NM_011462	Spin1	-1.3	5E-03	-1.3	7E-03	-1.3
ENSMUST00000077642	Kifap3	-1.2	3E-03	-1.3	1E-03	-1.3
NM_001039483	Tmco1	-1.3	6E-03	-1.2	2E-02	-1.3
NM_172310	Tarsl2	-1.2	1E-02	-1.3	3E-03	-1.3
NM_026353	Slc48a1	-1.3	3E-03	-1.2	2E-02	-1.3
NM_146067	Cpped1	-1.3	4E-02	-1.3	4E-02	-1.3
BC051430	B230219D22Rik	-1.2	3E-04	-1.3	1E-04	-1.3
NM_144842	Zmym5	-1.3	1E-04	-1.3	2E-04	-1.3
NM_173762	Cenpe	-1.3	6E-03	-1.2	2E-02	-1.3
ENSMUST00000028610	Cat	-1.3	4E-04	-1.3	3E-04	-1.3
NM_153391	Wdr19	-1.2	2E-02	-1.3	6E-03	-1.3
NM_153542	Lrrc20	-1.3	1E-02	-1.3	7E-03	-1.3
ENSMUST00000022720	Fbxl3	-1.2	1E-03	-1.3	2E-04	-1.3
NM_025824	Bzw1	-1.3	9E-05	-1.2	3E-04	-1.3
NM_001081371	Dmxl1	-1.3	4E-04	-1.3	4E-04	-1.3
NM_133247	Usp33	-1.3	4E-04	-1.2	1E-03	-1.3
NM_001111028	Kctd9	-1.2	3E-02	-1.3	2E-02	-1.3
NM_011715	Wdr1	-1.3	1E-02	-1.3	9E-03	-1.3
ENSMUST00000161859	Rnf6	-1.3	5E-03	-1.3	6E-03	-1.3
NM_027860	0610010F05Rik	-1.2	3E-03	-1.3	2E-03	-1.3
NM_029334	Zc3h14	-1.3	1E-02	-1.2	3E-02	-1.3
NM_013761	Srr	-1.3	2E-02	-1.2	4E-02	-1.3
NM_133242	Rbm39	-1.2	1E-02	-1.3	5E-03	-1.3
ENSMUST00000067327	Cdkn1b	-1.3	2E-03	-1.2	4E-03	-1.3
NM_134058	Pelo	-1.3	3E-02	-1.3	3E-02	-1.3
NM_001114385	Chrdl1	-1.2	2E-02	-1.3	3E-03	-1.3
NM_031251	Ctns	-1.3	4E-02	-1.3	3E-02	-1.3
ENSMUST00000097680	Rab18	-1.2	2E-02	-1.3	6E-03	-1.3
ENSMUST00000004784	Cnn2	-1.2	4E-02	-1.3	2E-02	-1.3
NR_024093	U05342	-1.3	4E-03	-1.2	9E-03	-1.3
NM_053098	Lmod2	-1.2	8E-03	-1.3	5E-03	-1.3
ENSMUST00000102944	Creb3	-1.3	2E-03	-1.2	1E-02	-1.3
NM_029572	Erp44	-1.2	2E-02	-1.3	7E-03	-1.3
NM_021500	Maea	-1.2	2E-02	-1.3	6E-03	-1.3
NM_025517	Rtcd1	-1.3	3E-02	-1.3	4E-02	-1.3
ENSMUST00000101506	BC023829	-1.3	1E-02	-1.3	1E-02	-1.3

NR_045306	4931403E22Rik	-1.3	2E-02	-1.2	4E-02	-1.3
NM_016701	Nes	-1.2	5E-02	-1.3	2E-02	-1.3
ENSMUST00000174252	Scyl2	-1.2	2E-02	-1.3	3E-03	-1.3
NM_026375	Ahctf1	-1.2	1E-02	-1.3	6E-03	-1.3
ENSMUST00000159692	Ermp1	-1.3	2E-03	-1.2	2E-02	-1.3
NM_138593	Larp7	-1.3	8E-03	-1.2	3E-02	-1.3
ENSMUST00000163119	Cul3	-1.2	1E-03	-1.3	2E-04	-1.3
NM_027415	Tmem70	-1.2	5E-03	-1.3	3E-03	-1.3
NM_010879	Nck2	-1.3	2E-02	-1.2	3E-02	-1.3
ENSMUST00000103241	Sema6d	-1.3	1E-03	-1.2	7E-03	-1.3
NM_027604	Usp15	-1.3	7E-03	-1.2	4E-02	-1.3
NM_080452	Mrps2	-1.3	2E-02	-1.2	4E-02	-1.3
NM_173764	Tapt1	-1.2	3E-02	-1.3	2E-02	-1.3
NM_177407	Camk2a	-1.3	3E-02	-1.2	5E-02	-1.3
NM_007404	Adam9	-1.3	5E-04	-1.2	3E-03	-1.3
NM_020584	Terf2ip	-1.3	3E-02	-1.2	4E-02	-1.3
NM_016906	Sec61a1	-1.2	4E-02	-1.3	1E-02	-1.3
NM_001177771	Clcc1	-1.3	2E-03	-1.3	2E-03	-1.3
NM_007889	Dvl3	-1.2	5E-02	-1.3	1E-02	-1.3
NM_027355	Rnf168	-1.3	1E-03	-1.2	8E-03	-1.3
ENSMUST00000102800	Gapvd1	-1.3	4E-03	-1.2	8E-03	-1.3
ENSMUST00000102759	Stam2	-1.3	2E-02	-1.2	2E-02	-1.3
NR_030694	1110002L01Rik	-1.3	2E-02	-1.2	3E-02	-1.3
NM_027475	Ecd	-1.2	1E-02	-1.3	6E-03	-1.3
NM_178114	Amigo2	-1.2	3E-02	-1.3	2E-02	-1.3
NM_080788	Ttbk2	-1.3	8E-03	-1.3	8E-03	-1.3
ENSMUST00000151287	Tcp1	-1.3	6E-03	-1.2	3E-02	-1.3
NM_001130408	Arf1	-1.2	9E-03	-1.3	1E-03	-1.3
NM_172513	Fam126b	-1.2	5E-02	-1.3	2E-02	-1.3
ENSMUST00000036570	Appl1	-1.3	3E-03	-1.2	2E-02	-1.3
NM_026120	2410127L17Rik	-1.3	1E-02	-1.2	4E-02	-1.3
NM_028360	Ttc19	-1.2	2E-02	-1.3	4E-03	-1.3
NM_021041	Abcc9	-1.2	2E-03	-1.3	9E-04	-1.2
ENSMUST00000025236	Stard4	-1.3	4E-02	-1.2	5E-02	-1.2
NM_173006	Pon3	-1.2	7E-03	-1.3	5E-03	-1.2
NM_029745	Tbc1d9b	-1.3	2E-02	-1.2	2E-02	-1.2
NM_007451	Slc25a5	-1.2	6E-03	-1.3	2E-03	-1.2
ENSMUST00000018875	Ap2b1	-1.2	5E-03	-1.3	9E-04	-1.2
NM_178699	B930041F14Rik	-1.2	5E-02	-1.3	2E-02	-1.2
NM_146062	Pphln1	-1.2	2E-02	-1.2	2E-02	-1.2
NM_025333	Sdhaf2	-1.2	3E-02	-1.3	2E-02	-1.2
ENSMUST00000041993	Iapp	-1.3	6E-04	-1.2	2E-03	-1.2
NM_173028	Vps13a	-1.2	3E-02	-1.3	2E-02	-1.2
NM_026236	Wdr48	-1.3	3E-03	-1.2	1E-02	-1.2
ENSMUST00000068856	Snupn	-1.2	3E-02	-1.2	3E-02	-1.2
NM_011655	Tubb5	-1.2	5E-02	-1.2	5E-02	-1.2

NM_019491	Rala	-1.2	2E-02	-1.2	2E-02	-1.2
NM_001014973	Snx13	-1.2	2E-02	-1.2	2E-02	-1.2
NM_134114	Sft2d1	-1.3	5E-03	-1.2	9E-03	-1.2
NM_027879	Cdc40	-1.3	3E-04	-1.2	7E-04	-1.2
NM_009289	Slk	-1.2	7E-04	-1.3	1E-04	-1.2
NM_053242	Foxp2	-1.2	9E-03	-1.3	6E-03	-1.2
ENSMUST00000120381	Stt3a	-1.2	2E-02	-1.2	3E-02	-1.2
NM_001081061	Bdp1	-1.2	1E-03	-1.3	6E-04	-1.2
NM_080556	Tm9sf2	-1.2	5E-04	-1.3	1E-04	-1.2
NM_019737	B4galt6	-1.2	4E-02	-1.3	2E-02	-1.2
NM_001198968	Itsn2	-1.3	1E-02	-1.2	3E-02	-1.2
NM_028584	Marveld3	-1.3	1E-02	-1.2	3E-02	-1.2
NM_029665	Ipo11	-1.2	2E-03	-1.3	2E-03	-1.2
NM_172626	Rbm27	-1.3	1E-03	-1.2	5E-03	-1.2
NM_025417	Commd4	-1.3	2E-03	-1.2	8E-03	-1.2
NM_007712	Clk2	-1.2	1E-02	-1.3	3E-03	-1.2
NM_019490	Uso1	-1.2	9E-04	-1.2	1E-03	-1.2
NM_178601	Imp4	-1.2	8E-03	-1.3	5E-03	-1.2
NM_008370	Il5ra	-1.3	3E-02	-1.2	4E-02	-1.2
NM_001039048	Trim63	-1.2	4E-02	-1.2	4E-02	-1.2
NM_134071	Ankrd32	-1.3	1E-02	-1.2	4E-02	-1.2
NM_013718	Trappc3	-1.2	3E-03	-1.3	7E-04	-1.2
NM_007462	Apc	-1.3	1E-02	-1.2	2E-02	-1.2
NM_028719	Cpne4	-1.2	2E-02	-1.2	2E-02	-1.2
NM_030179	Clip4	-1.2	7E-03	-1.3	4E-03	-1.2
ENSMUST00000118592	A630007B06Rik	-1.3	1E-03	-1.2	4E-03	-1.2
NM_029409	Mff	-1.3	3E-02	-1.2	4E-02	-1.2
NM_183046	Kif20b	-1.2	5E-02	-1.3	3E-02	-1.2
NM_026664	Vps53	-1.2	5E-03	-1.2	4E-03	-1.2
ENSMUST00000091731	Vmn1r200	-1.2	2E-02	-1.3	9E-03	-1.2
NM_011816	G3bp2	-1.2	2E-03	-1.2	4E-03	-1.2
NR_033593	4930529C04Rik	-1.2	5E-02	-1.3	3E-02	-1.2
NM_172609	Tomm22	-1.2	2E-02	-1.2	3E-02	-1.2
NM_026696	0610030E20Rik	-1.2	3E-02	-1.2	3E-02	-1.2
ENSMUST00000164744	Uba3	-1.2	4E-02	-1.3	2E-02	-1.2
NM_023647	Nipa2	-1.2	3E-02	-1.3	1E-02	-1.2
NM_011743	Zfp106	-1.3	1E-02	-1.2	3E-02	-1.2
NM_019464	Sh3glb1	-1.3	2E-03	-1.2	8E-03	-1.2
NM_016792	TxnI1	-1.2	2E-03	-1.2	9E-04	-1.2
NM_028074	Ddx42	-1.2	2E-02	-1.2	3E-02	-1.2
NM_001033420	Dock1	-1.2	3E-02	-1.2	3E-02	-1.2
NM_183016	Cdc42bpb	-1.2	5E-02	-1.2	3E-02	-1.2
NM_008569	Anapc1	-1.2	3E-03	-1.2	2E-03	-1.2
NM_025630	Aggf1	-1.3	7E-03	-1.2	2E-02	-1.2
NM_177658	Ralgapb	-1.2	1E-02	-1.2	2E-02	-1.2
NM_021450	Trpm7	-1.2	4E-03	-1.2	6E-03	-1.2

NM_009530	Atrx	-1.2	3E-02	-1.3	2E-02	-1.2
NM_025494	Atp6v1c1	-1.2	1E-02	-1.2	7E-03	-1.2
NM_133907	Ube3c	-1.2	2E-02	-1.2	9E-03	-1.2
NM_026519	Tmem85	-1.3	9E-04	-1.2	3E-03	-1.2
NM_172767	Vwa5a	-1.3	2E-02	-1.2	3E-02	-1.2
NM_145937	Sumf1	-1.2	5E-02	-1.3	2E-02	-1.2
ENSMUST00000002121	Supt6h	-1.2	6E-03	-1.3	2E-03	-1.2
NM_175935	G6pc3	-1.2	3E-02	-1.3	1E-02	-1.2
NM_177633	Ubxn7	-1.2	7E-05	-1.2	4E-05	-1.2
NM_144931	Nae1	-1.3	2E-02	-1.2	4E-02	-1.2
NM_178722	Zfp438	-1.2	3E-02	-1.2	4E-02	-1.2
NM_023290	Mkxn2	-1.2	2E-02	-1.2	3E-02	-1.2
ENSMUST00000096433	Deptor	-1.2	4E-03	-1.2	4E-03	-1.2
NM_001166506	Sec14l1	-1.2	3E-02	-1.2	4E-02	-1.2
ENSMUST00000022901	Rrm2b	-1.2	2E-02	-1.2	9E-03	-1.2
NM_207110	Rnf216	-1.2	2E-03	-1.2	5E-03	-1.2
NM_007551	Cxcr5	-1.2	2E-02	-1.2	2E-02	-1.2
NM_145465	Stk24	-1.2	1E-02	-1.2	2E-02	-1.2
ENSMUST00000130916	Becn1	-1.2	5E-03	-1.2	9E-03	-1.2
ENSMUST00000112932	Zbtb6	-1.2	1E-02	-1.2	6E-03	-1.2
ENSMUST00000060608	Cyp20a1	-1.2	3E-02	-1.2	3E-02	-1.2
NM_011682	Utrn	-1.2	2E-02	-1.2	2E-02	-1.2
NM_025673	Golph3	-1.2	2E-02	-1.2	4E-02	-1.2
NM_023429	Ociad1	-1.2	4E-02	-1.2	4E-02	-1.2
ENSMUST00000110855	Lpgat1	-1.2	7E-03	-1.2	1E-02	-1.2
NM_009163	Sgpl1	-1.2	2E-02	-1.2	8E-03	-1.2
ENSMUST00000101066	Ncor1	-1.2	2E-03	-1.2	2E-03	-1.2
NM_177077	Exoc6b	-1.2	3E-02	-1.2	4E-02	-1.2
NM_133803	Dpp3	-1.2	2E-02	-1.2	1E-02	-1.2
NM_016985	Mtmt1	-1.2	2E-02	-1.2	1E-02	-1.2
NM_020003	0610031J06Rik	-1.2	4E-04	-1.2	4E-04	-1.2
NM_175226	Rnf139	-1.2	3E-03	-1.2	2E-03	-1.2
NM_026281	Tm7sf3	-1.2	3E-02	-1.2	2E-02	-1.2
NM_023743	Eif4enif1	-1.2	4E-02	-1.2	4E-02	-1.2
NM_001081357	Map4k3	-1.2	2E-02	-1.2	3E-02	-1.2
NM_173187	2310035C23Rik	-1.2	1E-02	-1.2	9E-03	-1.2
NM_172280	2210018M11Rik	-1.2	4E-03	-1.2	5E-03	-1.2
NM_139061	Vps54	-1.2	8E-03	-1.2	7E-03	-1.2
NM_033521	Laptn4b	-1.2	3E-02	-1.2	4E-02	-1.2
NM_013830	Prpf4b	-1.2	3E-02	-1.2	3E-02	-1.2

Supplementary Table 4: Protein-coding genes differentially-expressed (either induced or repressed) in *both* S/A¹⁸ and S/E¹⁸ peptide-treated animals in a *discordant* manner relative to saline-treated controls. Black type-face denotes genes induced and repressed in S/A¹⁸ and S/E¹⁸ peptide-treated animals, respectively whilst blue type-face denotes genes repressed and induced in S/A¹⁸ and S/E¹⁸ peptide-treated animals, respectively. Only genes exhibiting a fold-change (FC) ≥ 1.2 and p value (P) ≤ 0.05 are considered. In cases of multiple probes mapping to the same transcript, the greatest FC is reported. Genes are ranked according to mean divergence.

RefSeq	Gene Symbol	SA v Control		SE v Control		Mean divergence
		FC	P	FC	P	
NM_001013373	Tmprss13	2.3	5E-03	-1.6	5E-02	2.0
ENSMUST00000028166	Nr4a2	1.9	4E-03	-1.9	4E-03	1.9
NM_144515	Zfp52	-1.9	2E-04	1.3	3E-02	1.6
ENSMUST00000060989	Sorl1	1.7	2E-04	-1.3	2E-02	1.5
AY140896	Gm3579	-1.6	3E-03	1.3	2E-02	1.5
ENSMUST00000095529	Fgf14	1.6	4E-03	-1.4	2E-02	1.5
NM_008725	Nppa	1.5	1E-02	-1.4	4E-02	1.4
NM_013512	Epb4.1l4a	1.6	1E-04	-1.3	7E-03	1.4
NM_146106	Lyp1a1	1.4	8E-03	-1.5	1E-03	1.4
NM_173447	Ephb1	1.4	1E-02	-1.3	5E-02	1.4
ENSMUST00000023605	Masp1	1.3	2E-02	-1.4	9E-03	1.4
NM_029229	4930557A04Rik	-1.4	4E-02	1.3	5E-02	1.3
NM_013470	Anxa3	-1.4	2E-03	1.3	1E-02	1.3
NM_028222	Cdkn3	-1.3	2E-02	1.3	1E-02	1.3
NM_009834	Ccrn4l	1.3	9E-04	-1.3	2E-03	1.3
NM_145140	Abcc10	1.3	1E-02	-1.3	8E-03	1.3
NM_001083890	4932441B19Rik	-1.4	5E-03	1.2	4E-02	1.3
NM_019514	Astn2	1.3	3E-02	-1.2	5E-02	1.3
ENSMUST00000107636	Prr15l	-1.2	3E-02	1.2	2E-02	1.2
NM_001163456	Cox18	1.2	2E-02	-1.2	3E-02	1.2
AK019797	4930570E03Rik	1.2	5E-03	-1.2	3E-03	1.2

Supplementary Table 5: Protein-coding genes *exclusively* differentially-expressed (either induced (black type-face) or repressed (blue type-face)) in S/A¹⁸ peptide-treated animals relative to saline-treated controls. Only genes exhibiting a fold-change (FC) ≥ 1.2 and p value (P) ≤ 0.05 are considered. In cases of multiple probes mapping to the same transcript, the greatest FC is reported. Genes are ranked according to fold-change.

RefSeq/Ensembl	Gene Symbol	SA v Control	
		FC	P
NM_207254	Olfr1286	6.1	2E-05
NM_009813	Casq1	3.8	3E-04
BC057661	Rabggtb	3.7	7E-04
NM_133362	Erdr1	3.6	1E-03
NM_001166723	Vmn1r94	3.4	3E-02
XR_141817	LOC100862171	3.2	4E-03
EU052291	Srsy	2.9	5E-02
NM_001114754	Gm6121	2.8	1E-02
NM_023546	Ssty2	2.7	4E-02
NM_001017393	MGC107098	2.6	4E-02
NM_010444	Nr4a1	2.6	1E-03
NR_035454	Mir1933	2.5	5E-02
NM_001123370	9030025P20Rik	2.5	8E-05
AK030561	Fam188b2	2.4	1E-02
ENSMUST00000096148	Gm10338	2.4	5E-03
AF118128	Ddx39b	2.3	3E-03
NM_175490	Gpr75	2.3	2E-02
NM_008720	Npc1	2.3	6E-05
NM_001081212	Irs2	2.2	5E-03
BC100414	LOC100040744	2.2	5E-02
NM_009252	Serpina3n	2.2	1E-02
XR_108081	LOC100504898	2.2	2E-02
NR_046286	H2-T10	2.1	2E-02
XM_003085641	LOC100504515	2.1	3E-02
NR_045946	B020014A21Rik	2.1	3E-02
XR_141834	LOC100862363	2.1	3E-02
NM_010831	Sik1	2.1	3E-03
NM_011215	Ptprn2	2.0	3E-03
NR_040280	Gm12295	2.0	9E-03
NM_025759	Speer4d	2.0	1E-02
ENSMUST00000035061	Ngp	2.0	2E-02
NR_003513	Neat1	2.0	3E-02
NM_146797	Olfr1502	2.0	3E-02
NM_021301	Slc15a2	2.0	5E-02
NM_009026	Rasd1	1.9	2E-02
XM_003086798	Gm6445	1.9	4E-02
ENSMUST00000061829	Cd14	1.9	2E-04
XM_001477670	LOC100041824	1.9	5E-02
XR_107093	Gm19773	1.9	5E-03

NM_010637	Klf4	1.9	7E-03
NM_022326	Ctsm	1.9	2E-02
NR_001585	Speer7-ps1	1.9	2E-02
NM_153142	Slc35e4	1.9	2E-02
NM_146504	Olfr961	1.9	2E-02
NM_013670	Snrpn	1.9	1E-03
AJ005350	Zfp125	1.9	3E-02
NM_027881	Osbpl3	1.9	3E-04
ENSMUST00000096953	Gm10354	1.9	4E-02
ENSMUST00000167923	Gm3696	1.9	6E-03
NM_001256886	Gm3500	1.9	3E-02
NM_146497	Olfr492	1.9	3E-02
NR_035472	Mir1949	1.9	4E-02
NM_001011797	Olfr782	1.9	5E-02
NR_033497	D830015G02Rik	1.9	7E-03
ENSMUST00000030025	Nr4a3	1.8	2E-02
NM_001099333	Gm2863	1.8	9E-03
NR_040417	1810021B22Rik	1.8	5E-03
NM_146357	Olfr168	1.8	2E-02
NR_030607	Mir208b	1.8	2E-02
NM_008631	Mt4	1.8	3E-02
NM_011517	Sycp3	1.8	5E-03
NM_023456	Npy	1.8	1E-02
NM_010651	Klra9	1.8	3E-02
NR_039561	Mir5102	1.8	2E-02
BC048594	BC048594	1.8	1E-02
ENSMUST00000162387	LOC100861621	1.8	2E-03
ENSMUST00000100895	Gm10406	1.8	3E-03
ENSMUST00000117167	S100a9	1.8	3E-02
ENSMUST00000167753	Gm4450	1.8	3E-02
NM_145834	Il17c	1.8	2E-02
NM_010234	Fos	1.8	5E-02
NM_026037	Mboat2	1.8	2E-03
NR_030571	Mir467c	1.7	4E-02
NM_008452	Klf2	1.7	4E-02
NR_030254	Mir486	1.7	3E-02
NR_030570	Mir466h	1.7	2E-02
ENSMUST00000102551	Olfr1289	1.7	2E-02
NM_001024138	Gpr139	1.7	4E-02
NM_010402	Hand2	1.7	5E-03
BC059060	Gm3893	1.7	5E-03
ENSMUST00000059524	Ahcy	1.7	2E-02
XR_141075	LOC100862332	1.7	5E-02
NR_033637	Gm4349	1.7	1E-02
NM_183281	2310005G13Rik	1.7	3E-03
ENSMUST00000097570	Gm8618	1.7	4E-02

XM_003085853	Gm8674	1.7	7E-03
BC086484	Oog1	1.7	2E-02
X01134	Trav9d-3	1.7	3E-02
NM_008249	Tfb2m	1.7	1E-02
NM_178653	Sccpdh	1.7	3E-05
NM_025634	2310042E22Rik	1.7	1E-02
NM_001029930	Gm5796	1.7	3E-02
NM_027559	Wdr96	1.7	4E-03
NM_010305	Gnai1	1.7	2E-03
X65588	Ppnr	1.7	5E-02
NM_001142804	Acss3	1.7	3E-02
NM_001256161	9430069I07Rik	1.7	2E-02
NM_008333	Ifna11	1.7	3E-02
NM_009920	Cnih2	1.7	4E-03
NR_015456	D7Ertd715e	1.6	8E-03
NM_029639	1600029D21Rik	1.6	8E-04
NM_011467	Spr	1.6	5E-03
NR_033570	Gm7104	1.6	2E-02
NM_028440	3110003A17Rik	1.6	1E-02
NR_037691	Gm4776	1.6	8E-05
NM_011315	Saa3	1.6	1E-02
NM_001177775	H60b	1.6	1E-02
ENSMUST00000005509	Stx1a	1.6	3E-02
NM_017370	Hp	1.6	3E-02
NM_025980	Nrarp	1.6	1E-02
ENSMUST00000024706	Pla2g7	1.6	1E-02
NM_181593	Itpkc	1.6	7E-03
ENSMUST00000156702	Crat	1.6	4E-02
ENSMUST00000105823	Sh2d5	1.6	5E-03
AK008598	2010320O07Rik	1.6	4E-02
NR_033476	Gm10789	1.6	4E-02
ENSMUST00000080669	Gm4559	1.6	2E-02
BC023886	0610009E02Rik	1.6	1E-02
XR_105512	Gm20251	1.6	4E-03
NM_027120	Nmrk2	1.6	1E-02
NM_019540	Pfpl	1.6	1E-02
NR_045170	Gm10336	1.6	3E-03
ENSMUST00000092990	Agpat9	1.6	9E-04
NR_033554	D330041H03Rik	1.6	2E-02
XR_141206	Gm3591	1.6	3E-02
NM_198250	Lrrc4b	1.6	2E-03
NR_046040	1700009C05Rik	1.6	3E-03
NM_001034905	Spag11b	1.6	1E-02
NM_153677	Ush1c	1.6	1E-02
NR_028417	Gm7854	1.6	8E-03
NM_001039368	Polr2k	1.6	1E-03

NM_001011839	Olfr1437	1.6	4E-02
NM_029361	Wnk2	1.6	4E-04
NM_001039689	Rhox4c	1.6	2E-02
NM_020486	Bcam	1.6	9E-04
NM_024166	Chchd2	1.6	3E-02
NM_008483	Lamb2	1.6	1E-04
BC003284	Dcaf4	1.6	5E-02
NM_001256309	Gm933	1.6	6E-03
NM_053131	Pcdhb6	1.6	2E-02
NM_009622	Adcy1	1.6	1E-02
NR_045113	Gm2027	1.6	3E-02
NM_146326	Olfr943	1.6	5E-02
ENSMUST00000025840	Mtl5	1.6	3E-03
X04330	Trav12-2	1.6	5E-02
NM_008102	Gch1	1.6	2E-02
NM_029960	9230104L09Rik	1.6	5E-02
NM_199013	Irgc1	1.6	3E-03
XM_003086877	Gm3141	1.6	2E-02
DQ080431	1700003F12Rik	1.6	3E-02
NM_023580	Epha1	1.6	4E-02
NM_009052	Bex1	1.6	2E-02
NR_038182	4930425K10Rik	1.6	2E-02
NM_001042660	Smad7	1.6	3E-03
NM_153598	Ugt2b34	1.6	3E-02
NM_146351	Olfr1133	1.6	5E-02
NM_172961	Abat	1.6	4E-02
NM_177039	A530016L24Rik	1.6	2E-04
NM_146628	Olfr344	1.6	3E-02
NR_030645	Mir467e	1.6	2E-02
NM_134236	Vmn1r203	1.6	1E-02
NM_001160414	Wfdc9	1.6	4E-02
NM_183368	Sytl3	1.5	7E-03
NM_145473	Csdc2	1.5	2E-03
NM_007913	Egr1	1.5	1E-02
NR_045346	Gm11648	1.5	3E-03
NM_033567	Cecr6	1.5	2E-02
NM_011937	Gnpda1	1.5	4E-02
NM_008208	H2-T3	1.5	8E-03
NM_010835	Msx1	1.5	1E-02
NM_013741	Smok2a	1.5	9E-03
ENSMUST00000033930	Dusp4	1.5	3E-02
NR_045143	AA536875	1.5	9E-03
NM_175219	C130026I21Rik	1.5	6E-03
AK077079	Gm19386	1.5	2E-02
NM_025420	Lce1m	1.5	4E-02
NM_001081425	Rbm24	1.5	3E-04

NM_001173460	Sirpb1b	1.5	8E-04
NM_001163525	S100a14	1.5	3E-04
NM_008097	Gcdh	1.5	5E-03
NM_009061	Rgs2	1.5	2E-02
ENSMUST00000165723	Nkx3-2	1.5	1E-02
NM_176828	C030006K11Rik	1.5	1E-03
NM_030047	4930458L03Rik	1.5	1E-02
NM_139225	Defb10	1.5	4E-02
NM_026812	Hddc3	1.5	9E-03
NM_173786	Apol9a	1.5	4E-02
NM_009918	Cnga3	1.5	2E-02
BC150842	Unkl	1.5	4E-02
NM_013917	Pttg1	1.5	1E-02
NR_033784	1700041C23Rik	1.5	2E-03
ENSMUST00000172388	Rgs1	1.5	8E-03
NM_027697	4933413G19Rik	1.5	4E-03
ENSMUST00000087822	Olfr76	1.5	2E-02
AY522648	B430306N03Rik	1.5	7E-03
NM_001013823	Krtap4-16	1.5	4E-02
NM_207208	Clca6	1.5	3E-02
NM_008002	Fgf10	1.5	4E-02
NM_033570	Cnnm4	1.5	1E-02
NM_009737	Bcat2	1.5	3E-03
ENSMUST00000029140	Procr	1.5	3E-02
NM_146471	Olfr1393	1.5	3E-02
NM_175393	4930555G01Rik	1.5	9E-03
ENSMUST00000056571	Syne1	1.5	1E-03
ENSMUST00000003444	Ccdc65	1.5	3E-03
ENSMUST00000005364	G6pc2	1.5	2E-03
XM_003086259	Gm14025	1.5	2E-02
NM_008475	Krt4	1.5	3E-02
ENSMUST00000167273	Ppp1r15a	1.5	2E-02
NM_181344	C1rl	1.5	5E-03
NM_020027	Prrc2a	1.5	2E-04
NM_027857	Acy3	1.5	4E-03
NR_003619	6330549D23Rik	1.5	2E-02
ENSMUST00000165255	Vmn1r238	1.5	3E-02
ENSMUST00000031304	Tesc	1.5	3E-04
AK084734	Gm20328	1.5	1E-02
ENSMUST00000099992	Pde11a	1.5	1E-02
BC147228	2610042L04Rik	1.5	2E-02
AK086006	Gm3916	1.5	5E-02
NM_029594	Il31	1.5	7E-03
NM_001115075	H2-M5	1.5	4E-02
ENSMUST00000063204	1700025K23Rik	1.5	3E-02
ENSMUST00000030942	Mrpl20	1.5	7E-03

ENSMUST00000121339	Mrps17	1.5	4E-02
NR_046195	A930041C12Rik	1.5	2E-02
NM_028030	Rbpms2	1.5	6E-04
NM_009174	Siah2	1.5	3E-03
XR_104965	Gm20120	1.5	3E-02
ENSMUST00000025025	Dusp1	1.5	2E-02
ENSMUST00000087211	Ppp1r10	1.5	5E-03
NM_175118	Dusp28	1.5	2E-02
NM_013610	Ninj1	1.5	2E-03
NM_027198	Zswim7	1.5	7E-03
NM_001164044	Ccl27a	1.5	3E-02
NM_001085530	Gm13298	1.5	5E-03
NM_016970	Klrg1	1.5	2E-02
NM_013880	Plcl2	1.5	5E-03
NM_019864	Atr	1.5	3E-02
NM_008416	Junb	1.5	2E-02
AK134852	5730409K12Rik	1.5	3E-03
NM_198601	Trim52	1.5	4E-02
XM_141933	Mageb17-ps	1.5	1E-02
NM_011948	Map3k4	1.5	2E-02
NM_175276	Fhod3	1.5	1E-04
XM_916257	Gm4802	1.5	2E-02
NR_028311	Gm4371	1.5	3E-02
NM_145158	Emilin2	1.5	2E-04
NM_025529	Nudt8	1.5	1E-02
NM_145403	Tmprss4	1.5	8E-03
NM_008020	Fkbp2	1.5	6E-03
NM_026689	Mul1	1.5	3E-02
BC027570	Gm3086	1.5	1E-02
AK145728	Gm20325	1.5	2E-02
NM_008700	Nkx2-5	1.5	3E-03
NM_030180	Usp54	1.5	4E-02
NM_011915	Wif1	1.5	3E-02
NR_015571	4930471G03Rik	1.5	3E-03
NM_007828	Dapk3	1.5	8E-03
NR_015477	2310050B05Rik	1.5	5E-02
NM_022331	Herpud1	1.5	9E-03
XR_107349	Gm13187	1.5	1E-02
NR_040366	LOC100642166	1.5	5E-02
NM_177794	Tmem26	1.5	4E-02
ENSMUST00000168579	Slc16a3	1.5	7E-03
ENSMUST00000129421	Hal	1.5	6E-03
ENSMUST00000025249	Apom	1.5	4E-02
ENSMUST00000108105	Gm5148	1.5	5E-03
NM_001013824	Gm5662	1.5	4E-02
NM_021565	Midn	1.5	3E-03

NM_024441	Hspb2	1.5	1E-02
NM_026646	Slc25a22	1.5	7E-03
NM_001167793	Gm3286	1.5	8E-03
NM_144943	Cd207	1.5	4E-02
ENSMUST00000031766	Asns	1.5	8E-03
NM_177544	Ang4	1.5	1E-02
BC083134	Rpl3	1.5	3E-03
ENSMUST00000099201	Sirpb1a	1.5	3E-02
NM_027457	Tmem242	1.5	1E-02
NR_040430	Gm15787	1.4	2E-02
XR_140622	Gm8273	1.4	9E-03
NM_008946	Psmb6	1.4	3E-03
NM_007792	Csrp2	1.4	2E-02
NM_146754	Olfr556	1.4	8E-03
NM_027399	Steap1	1.4	9E-03
NM_177078	Adrbk2	1.4	8E-04
NM_172913	Tox3	1.4	3E-02
NR_045879	Gm10532	1.4	3E-03
ENSMUST00000051209	Peg3	1.4	2E-02
NM_001037248	Gm4567	1.4	1E-02
NM_025631	Bpifb2	1.4	8E-03
NM_011963	Psg18	1.4	4E-02
NM_013614	Odc1	1.4	3E-03
NM_011724	Xirp1	1.4	1E-02
NM_016696	Gpc1	1.4	4E-02
NM_027222	2010001M09Rik	1.4	2E-02
NM_007584	Ddr1	1.4	1E-03
NR_027905	LOC106740	1.4	5E-02
AK081400	Gm12371	1.4	6E-03
NM_007529	Bcan	1.4	4E-02
NM_001081191	Eml5	1.4	2E-03
NM_001160378	Fam46a	1.4	3E-02
NM_016694	Park2	1.4	4E-03
ENSMUST00000050899	Tmem198	1.4	2E-02
ENSMUST00000006718	Wnt10a	1.4	4E-02
NR_024513	Gm5	1.4	2E-02
ENSMUST00000078890	Vmn1r30	1.4	1E-02
NM_146961	Olfr539	1.4	6E-04
NM_028325	Zcchc12	1.4	3E-02
NM_134147	Macrocl1	1.4	8E-04
NR_045317	4930526L06Rik	1.4	4E-02
NM_010813	Mnt	1.4	2E-02
AK007073	1700095A13Rik	1.4	1E-02
NM_134170	Vmn1r32	1.4	7E-03
ENSMUST00000112900	Zfand4	1.4	2E-03
NR_040477	4930503O07Rik	1.4	1E-02

NM_029006	Kcnk16	1.4	2E-02
NM_013844	Zfp68	1.4	4E-02
BC006907	Ralb	1.4	2E-02
NR_033117	Gm3020	1.4	2E-02
NM_010603	Kcnj12	1.4	1E-03
ENSMUST00000142090	Dgkz	1.4	3E-02
ENSMUST00000026296	Fgd1	1.4	3E-02
ENSMUST00000068641	Sertad3	1.4	2E-04
ENSMUST00000169395	LOC100039659	1.4	3E-02
ENSMUST00000108689	Myh3	1.4	5E-02
NM_011897	Spry2	1.4	3E-02
NM_028629	Kprp	1.4	7E-03
NM_010655	Kpna2	1.4	6E-03
XR_142007	LOC100862165	1.4	1E-02
NM_016899	Rab25	1.4	3E-02
ENSMUST00000034830	Crabp1	1.4	1E-02
XM_003689295	Gm19570	1.4	1E-02
NM_025835	Pccb	1.4	8E-05
NM_012052	Rps3	1.4	2E-02
NM_001164739	Fam47c	1.4	2E-02
NM_013863	Bag3	1.4	5E-04
NM_011220	Pts	1.4	4E-02
NR_046044	AI463170	1.4	2E-02
ENSMUST00000105336	Dot1l	1.4	2E-02
NR_045922	1700051A21Rik	1.4	3E-02
NM_021793	Tmem8	1.4	1E-02
NM_175381	2700081O15Rik	1.4	2E-02
NM_027046	Ccdc54	1.4	8E-03
NM_172151	Zdhhc8	1.4	9E-03
NM_025960	Trappc6a	1.4	3E-02
NM_007601	Capn3	1.4	3E-02
XR_107803	Gm19462	1.4	4E-02
NM_001195767	Gm6772	1.4	2E-02
NM_144815	Cecr5	1.4	1E-02
NM_028312	Ccdc12	1.4	1E-02
AF011425	Vmn2r30	1.4	3E-02
NM_177350	Gldn	1.4	4E-02
NM_175333	Slc25a41	1.4	3E-02
ENSMUST00000090839	Selenbp1	1.4	2E-02
NR_045438	Mospd4	1.4	4E-02
NM_009314	Tacr2	1.4	4E-02
NM_001004468	Tacc2	1.4	5E-03
NR_040370	Gm13752	1.4	5E-02
NR_027915	1700120K04Rik	1.4	2E-02
NM_008412	Ivl	1.4	3E-02
NM_008454	Klk1b16	1.4	4E-02

NM_030098	Rnase6	1.4	1E-03
NM_021423	Shank3	1.4	1E-02
NM_001177715	Gm2897	1.4	2E-02
ENSMUST00000057866	Nrsn1	1.4	2E-02
NM_177075	C030019I05Rik	1.4	3E-02
NR_029470	Gm10863	1.4	5E-02
NM_146501	Olfr318	1.4	3E-02
NM_007931	Endog	1.4	3E-02
ENSMUST00000172775	Msx3	1.4	1E-02
NM_177464	D19Erttd386e	1.4	5E-02
NM_001018063	Cxx1b	1.4	4E-03
NM_008343	Igfbp3	1.4	3E-02
NR_045069	Gm16576	1.4	1E-02
NM_146555	Olfr805	1.4	4E-02
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ENSMUST00000093969	Myo19	1.4	3E-02
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ENSMUST00000019135	Gga3	1.4	4E-02
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AK006706	1700047F07Rik	1.4	1E-02
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NM_023627	Isyna1	1.4	5E-03
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BC023421	Fam98c	1.3	6E-03
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NM_001085492	Rere	1.3	9E-03
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ENSMUST00000016088	Gatsl2	1.3	7E-03
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NM_008826	Pfkl	1.3	2E-03
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ENSMUST00000109184	Nfatc2	1.3	5E-02
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ENSMUST00000106630	Sstr2	1.3	4E-02
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NM_001146325	Tigit	1.3	2E-02
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NM_138677	Edem1	1.3	3E-02
NR_038081	Raver1-fdx1l	1.3	1E-02
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ENSMUST00000079431	Kcnip2	1.3	7E-03

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ENSMUST00000038287	Dusp5	1.3	3E-02
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NM_007874	Reep5	1.3	1E-02
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BC016232	Capza1	1.3	4E-02
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ENSMUST00000113530	Klf15	1.3	2E-02
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ENSMUST00000111507	Olfr1263	1.3	4E-02
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NM_173016	Vat1l	1.3	3E-02
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NM_011850	Nr0b2	1.3	3E-02
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NM_199222	Lman1l	1.3	4E-02
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NM_026768	Mrps18a	1.3	9E-03
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NM_025363	1110001J03Rik	1.3	9E-03
AK034016	9030407P20Rik	1.3	4E-02
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NM_172945	Ankrd13b	1.3	2E-02
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NM_134011	Tbrg4	1.3	2E-02
NM_198619	Zfp933	1.3	4E-02
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AK015283	4930432B10Rik	1.3	3E-02
NM_007463	Speg	1.3	8E-03
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BC058791	E030002O03Rik	1.3	3E-02
NM_027327	2210013O21Rik	1.3	3E-02
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NM_029428	Adad2	1.3	5E-02
NM_001013012	Zfp787	1.2	2E-02
NM_028638	Gadl1	1.2	4E-02
NM_175164	Arhgap26	1.2	3E-02
ENSMUST00000043415	Tekt5	1.2	3E-02
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NM_030749	Sil1	1.2	1E-02
NM_144528	Rnf126	1.2	5E-03
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ENSMUST00000029128	Map1lc3a	1.2	4E-02
NM_020036	Calm4	1.2	5E-02
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ENSMUST00000108684	Myh13	1.2	3E-02
NM_001171026	Os9	1.2	3E-02
NM_175366	Mex3b	1.2	4E-02
NM_008299	Dnajb3	1.2	2E-02
NM_027884	Tns1	1.2	5E-02
ENSMUST00000123437	Lmo2	1.2	4E-02
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NM_018870	Pgam2	1.2	1E-02
NM_019913	Txn2	1.2	1E-02
NM_029720	Creld2	1.2	1E-02
NM_030726	Mrgprh	1.2	3E-02
NM_027937	Caskin1	1.2	4E-02
NM_153514	Rhobtb2	1.2	4E-02
ENSMUST00000144177	Adhfe1	1.2	3E-02
NM_009448	Tuba1c	1.2	3E-02
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ENSMUST00000080058	Egln2	1.2	3E-02
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NM_183208	Zmiz1	1.2	3E-02
NM_173384	Sox30	1.2	2E-02
NM_007421	Adssl1	1.2	3E-02
NM_007851	Defa5	1.2	3E-02
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NM_001110252	Hpn	1.2	4E-02
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ENSMUST00000027603	Rgs18	-2.3	2E-02
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ENSMUST00000106157	Zranb1	-2.1	3E-04
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AK143064	Gm7072	-2.1	3E-06
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NM_001113326	Msr1	-1.9	2E-03
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NM_008615	Me1	-1.9	4E-04
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NM_001004139	Zfp619	-1.6	1E-02
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ENSMUST00000018610	Nos2	-1.5	3E-02
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NM_019553	Ddx21	-1.3	6E-03
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AK141242	Gm10856	-1.3	2E-02
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ENSMUST00000154208	Dhrs3	-1.3	6E-03
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NM_138741	Sdpr	-1.3	4E-02
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ENSMUST00000004055	Dzip1	-1.3	4E-02
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NM_009281	Zfp143	-1.3	2E-02
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NM_001142957	Zfp955b	-1.3	1E-02
XM_913098	Gm6729	-1.3	4E-02
NM_001081216	Phip	-1.3	3E-03
ENSMUST000000095458	2810008M24Rik	-1.3	3E-02
NM_207636	Fndc3a	-1.3	3E-02
NM_025460	Tmem126a	-1.3	3E-02
ENSMUST00000117648	Ttc3	-1.3	1E-03
NM_024286	Popdc3	-1.3	2E-02
ENSMUST00000037958	Arhgap29	-1.3	8E-03
ENSMUST00000069538	9330182L06Rik	-1.3	4E-02
NM_177806	Prpf39	-1.3	3E-02
NM_019786	Tbk1	-1.3	2E-03
NM_194054	Rtn4	-1.3	7E-03
NM_028724	Rin2	-1.3	2E-02
NM_001252374	Nt5c3	-1.3	1E-02
NM_134133	2010002N04Rik	-1.3	2E-02
NM_029847	Arsk	-1.3	8E-03
ENSMUST00000078691	Bak1	-1.3	2E-02
ENSMUST00000029358	Nmd3	-1.3	4E-02
NM_019953	Cnpy2	-1.3	3E-03
ENSMUST00000030556	Ptpn12	-1.3	5E-02
ENSMUST00000156431	Hacl1	-1.3	2E-02
NM_010811	Ndst2	-1.3	4E-02
NR_030529	Mir804	-1.3	5E-02
ENSMUST00000027322	Rhbdd1	-1.3	2E-02
NM_134110	Kcne2	-1.3	3E-02
NM_138742	Nap1l3	-1.3	2E-02
ENSMUST00000004172	Hmox2	-1.3	4E-02
NM_027455	Qpct	-1.3	4E-02
ENSMUST00000037205	Mcee	-1.3	6E-03
NM_009893	Chrd	-1.3	3E-02
NM_001162532	Fam174b	-1.3	5E-02
NM_008908	Ppic	-1.3	4E-02
NM_030080	Creb3l4	-1.3	9E-03
NM_021392	Ap4m1	-1.3	8E-03

NR_045063	4930556M19Rik	-1.3	4E-02
NM_028310	2810006K23Rik	-1.3	4E-02
NM_023223	Cdc20	-1.3	8E-03
ENSMUST00000160987	Srgn	-1.3	5E-02
NM_001172147	Rbm41	-1.3	9E-03
ENSMUST00000137035	St3gal6	-1.3	2E-02
NM_027994	Cand1	-1.3	2E-02
NM_001177646	Sirpa	-1.3	5E-03
NM_011462	Spin1	-1.3	5E-03
NM_025535	Sar1b	-1.3	2E-02
NM_001162366	Ptk2b	-1.3	3E-02
NM_025936	Rars	-1.3	1E-02
NM_013515	Stom	-1.3	6E-03
NM_010658	Mafb	-1.3	4E-02
NM_028049	Fbxo22	-1.3	4E-02
NM_001127177	Ptpn2	-1.3	3E-02
ENSMUST00000030091	Pole3	-1.3	4E-02
ENSMUST00000043722	Lgals3bp	-1.3	3E-02
NM_178916	Rfesd	-1.3	3E-02
ENSMUST00000021048	Ftsj3	-1.3	1E-02
NM_030742	Vmn1r63	-1.3	3E-02
NM_172517	Rbbp5	-1.3	6E-03
NM_029166	Uhrf1bp1l	-1.3	2E-02
NM_172717	Chfr	-1.3	3E-02
NM_001159396	Irf1	-1.3	4E-02
ENSMUST00000069800	Fut2	-1.3	3E-02
NM_133764	Atp6v0e2	-1.3	4E-02
NM_029150	Spata16	-1.3	4E-02
NR_046039	Gm8179	-1.3	3E-02
NM_177358	Zfp945	-1.3	1E-02
ENSMUST00000093106	Acsl6	-1.3	2E-02
NM_147050	Olfr659	-1.3	1E-02
NM_018819	Brp44l	-1.3	4E-03
NM_009223	Snn	-1.3	7E-03
NM_027276	Cdc16	-1.3	7E-03
ENSMUST00000090678	Rap1a	-1.3	1E-02
NM_021526	Psmd14	-1.3	5E-02
NM_025359	Tspan13	-1.3	5E-02
NR_045527	Rbbp8	-1.3	4E-02
NM_175211	Ralgps1	-1.3	3E-02
NM_145500	Ubtd1	-1.3	3E-02
NM_153164	Cnot1	-1.3	3E-04
NM_010299	Gm2a	-1.3	4E-03
NM_018765	Wbp4	-1.3	5E-02
NM_028031	Zdhhc13	-1.3	4E-02
NM_207214	Exoc5	-1.3	3E-02

ENSMUST00000033673	Nono	-1.3	4E-02
NM_011907	Trex2	-1.3	2E-02
NM_026213	Ttc33	-1.3	3E-02
ENSMUST00000069756	Ocln	-1.3	4E-02
ENSMUST00000086461	Rfc5	-1.3	2E-02
NM_199307	Ece1	-1.3	2E-02
NM_007975	F2rl3	-1.3	2E-02
ENSMUST00000026225	Sema4g	-1.3	4E-02
ENSMUST00000027264	Asnsd1	-1.3	2E-02
NM_001164614	Ccdc159	-1.3	5E-02
NM_134114	Sft2d1	-1.3	5E-03
NM_008477	Ktn1	-1.3	3E-02
NM_001161624	Cdkn1c	-1.3	4E-02
ENSMUST00000114843	Plac1	-1.3	3E-02
NM_011690	Vars	-1.3	2E-02
NM_001099297	Duox1	-1.3	4E-02
NR_045311	6030407O03Rik	-1.3	4E-02
NM_010765	Mapkapk5	-1.3	2E-02
ENSMUST00000003121	Rab8a	-1.3	4E-02
NM_175193	Golim4	-1.3	4E-02
NM_011857	Odz3	-1.3	3E-02
NM_013915	Zfp238	-1.3	2E-02
NR_028264	Dleu2	-1.3	4E-02
NM_181517	Ipo7	-1.3	3E-02
NM_134013	Psme4	-1.3	2E-03
NM_001205239	Parp6	-1.3	2E-03
NR_027804	Nagpa	-1.3	3E-02
NM_011868	Eci2	-1.3	2E-02
NM_001100591	Rc3h2	-1.3	6E-03
NM_134058	Pelo	-1.3	3E-02
NM_011811	Farsb	-1.3	1E-02
NM_197985	Adipor2	-1.3	3E-03
NM_027871	Arhgef3	-1.3	2E-02
NM_133674	Arhgef5	-1.3	5E-02
NM_001111021	Runx1	-1.3	2E-02
NM_001145960	Slc37a2	-1.3	4E-02
NM_010509	Ifnar2	-1.3	1E-02
ENSMUST00000086884	Armxc3	-1.3	3E-02
ENSMUST00000015100	Ppp1cb	-1.3	3E-03
NM_146240	Rassf9	-1.3	5E-02
NM_178883	Gorab	-1.3	1E-02
NM_145356	Zbtb7c	-1.3	6E-03
NM_029271	Mrpl32	-1.3	3E-02
NM_008379	Kpnb1	-1.3	7E-03
BC158088	Gm505	-1.3	3E-02
NM_178626	Cdc42se2	-1.3	1E-02

ENSMUST00000103147	Psmb3	-1.3	3E-02
ENSMUST00000106645	Micalcl	-1.3	6E-03
NM_025706	Tbc1d15	-1.3	1E-03
BC002059	BC002059	-1.3	5E-02
ENSMUST00000107644	Gtf2h1	-1.3	2E-03
NM_001252193	Amz2	-1.3	5E-02
NM_011544	Tcf12	-1.3	1E-02
NM_025509	Ostc	-1.3	9E-03
ENSMUST00000027846	Tada1	-1.3	4E-02
NM_026563	Sdccag3	-1.3	2E-02
NM_009671	Ankfy1	-1.2	9E-03
NM_133826	Atp6v1h	-1.2	3E-02
ENSMUST00000088552	Myl9	-1.2	4E-02
NM_011959	Orc5	-1.2	2E-02
NM_026893	Dcaf12	-1.2	5E-03
NM_011816	G3bp2	-1.2	2E-03
NM_011655	Tubb5	-1.2	5E-02
NM_026496	Grhl2	-1.2	3E-02
NM_177778	Armc7	-1.2	5E-02
NM_008185	Gstt1	-1.2	3E-02
NM_027807	Cul5	-1.2	3E-02
NM_133354	Sumo2	-1.2	2E-03
NM_027164	Lrrc27	-1.2	3E-02
NM_053069	Atg5	-1.2	2E-02
NM_021541	Cryba2	-1.2	7E-03
NM_001001999	Gp1bb	-1.2	6E-03
ENSMUST00000114551	Cetn2	-1.2	2E-02
NM_022889	Pes1	-1.2	4E-03
NM_145469	Nipal2	-1.2	5E-02
NM_177682	Ccz1	-1.2	2E-02
NM_010421	Hexa	-1.2	2E-03
NM_001033347	D430041D05Rik	-1.2	5E-02
NM_025947	Dynlrb1	-1.2	2E-02
NM_007399	Adam10	-1.2	1E-02
NM_001143671	Fam70b	-1.2	4E-02
NM_001037737	Arnt	-1.2	3E-02
NM_001039147	Morf4l1	-1.2	3E-03
NM_025574	Pigy	-1.2	4E-02
NM_201638	Mettl14	-1.2	5E-02
ENSMUST00000028928	Gzf1	-1.2	5E-02
NM_026361	Pkp4	-1.2	1E-02
NM_019699	Fads2	-1.2	2E-02
NM_025840	Bzw2	-1.2	4E-02
NM_134255	Elovl5	-1.2	4E-02
NM_028354	Tdp1	-1.2	2E-02
NR_038030	4930562F07Rik	-1.2	4E-02

NM_148925	Fyco1	-1.2	9E-04
ENSMUST00000130916	Becn1	-1.2	5E-03
ENSMUST00000004910	Eif2b2	-1.2	4E-02
NM_146714	Olfr248	-1.2	2E-02
NM_001198789	Gm5918	-1.2	3E-02
ENSMUST00000081932	Nmt2	-1.2	3E-02
NM_001164099	Add3	-1.2	5E-02
ENSMUST00000030626	Tmem50a	-1.2	2E-02
ENSMUST00000155521	Itgav	-1.2	5E-02
ENSMUST00000047627	Gpbp1	-1.2	3E-02
NM_012026	Rgnef	-1.2	3E-02
ENSMUST00000007993	Rbm28	-1.2	3E-03
NM_001170433	Ppfibp1	-1.2	1E-02
NM_001136104	Abl2	-1.2	4E-02
NM_001163755	Skor1	-1.2	5E-02
NM_015737	Galnt4	-1.2	4E-02
NM_027288	Manba	-1.2	1E-03
XM_003085917	Gm3552	-1.2	1E-02
NM_172255	Wdr11	-1.2	6E-03
NM_011375	St3gal5	-1.2	1E-02
NM_001100415	Gm14430	-1.2	2E-03
AK143696	Gm10374	-1.2	3E-02
NM_007481	Arf6	-1.2	5E-03
NR_033462	Gm10494	-1.2	2E-02
NM_001100110	Srp54c	-1.2	2E-02
NM_001177406	Gm14431	-1.2	4E-02
AK163559	Cyp11a1	-1.2	2E-02
NM_053116	Wnt16	-1.2	4E-02
NM_016706	Coil	-1.2	4E-02
NR_045362	Gm6602	-1.2	3E-02
NM_013661	Sema5b	-1.2	5E-02
NM_019674	Ppp4c	-1.2	3E-02
NM_018776	Crif3	-1.2	3E-02
NM_025272	Atp6v0e	-1.2	3E-02
NM_016739	Caprin1	-1.2	6E-03
NM_153800	Arhgap22	-1.2	4E-02
NM_010370	Gzma	-1.2	4E-02
NM_030750	Sgpp1	-1.2	1E-03
NM_001109743	Skor2	-1.2	2E-02
NM_016961	Mapk9	-1.2	4E-02
NM_199447	Rrp12	-1.2	4E-02
NM_001024508	Brd9	-1.2	3E-02
NM_026696	0610030E20Rik	-1.2	3E-02
NM_198650	Slc22a20	-1.2	4E-02
NM_021790	Cenpk	-1.2	5E-02
NM_175149	2310022B05Rik	-1.2	5E-02

NM_008915	Ppp3cc	-1.2	1E-02
NM_001172136	Exog	-1.2	2E-02
ENSMUST00000003117	Ap1m1	-1.2	3E-02
NM_172742	Mttr10	-1.2	2E-02
NM_008302	Hsp90ab1	-1.2	3E-02
ENSMUST00000036647	Ctdspl2	-1.2	2E-02
ENSMUST00000117363	Lsg1	-1.2	4E-02
ENSMUST00000002848	Grin2d	-1.2	8E-03
NM_029478	Vmp1	-1.2	5E-02
ENSMUST00000155676	Ubl4	-1.2	3E-02
NM_001111059	Cd34	-1.2	4E-02
ENSMUST00000126879	Zfp369	-1.2	3E-02
NM_008443	Kif3a	-1.2	3E-02
NM_021437	1700123O20Rik	-1.2	3E-03
ENSMUST00000081104	Timm17a	-1.2	4E-02
NM_001164370	Mipol1	-1.2	5E-02
NM_178928	Afap1l1	-1.2	1E-02
NM_011396	Slc22a5	-1.2	4E-02
NM_019796	Syncrip	-1.2	3E-02
AK016044	Hydin	-1.2	3E-02
ENSMUST00000169156	Abhd12b	-1.2	4E-02
ENSMUST00000080713	Utp14a	-1.2	4E-02
NM_026002	Mtdh	-1.2	1E-02
NM_001005868	Erbp2ip	-1.2	2E-02
NM_009968	Cryz	-1.2	3E-02
NM_011626	Tmem165	-1.2	1E-02
NR_033593	4930529C04Rik	-1.2	5E-02
NM_011876	Twf2	-1.2	5E-02
BC132251	Vmn1r212	-1.2	1E-02
NM_026559	Txndc17	-1.2	2E-02
NM_025736	Ttc35	-1.2	1E-02
NM_183016	Cdc42bpb	-1.2	5E-02
NM_080634	Hps3	-1.2	3E-02
NM_133973	Cog4	-1.2	1E-02
NM_134029	Nt5m	-1.2	4E-02
ENSMUST00000022380	Psmc6	-1.2	4E-02
NM_001017959	Lamp2	-1.2	1E-02
NM_138592	Usp39	-1.2	6E-03
ENSMUST00000040721	Tpst1	-1.2	4E-02
ENSMUST00000118522	Gcfc1	-1.2	5E-02
NM_029606	Ccdc46	-1.2	4E-02
ENSMUST00000029353	Kpna4	-1.2	4E-03
ENSMUST00000111338	Ckap5	-1.2	1E-02
NM_011899	Srp54a	-1.2	2E-02
NM_001190870	Kcne3	-1.2	4E-02
NM_175294	Nucks1	-1.2	1E-02

NM_019393	Exosc9	-1.2	5E-02
NM_007387	Acp2	-1.2	9E-03
NM_010880	Ncl	-1.2	4E-02
ENSMUST00000114124	Tiam1	-1.2	2E-02
ENSMUST00000006353	Cdkal1	-1.2	4E-02
NM_007761	Crcp	-1.2	2E-03
ENSMUST00000045312	Smc1a	-1.2	3E-02
NM_027439	Atp6ap2	-1.2	3E-02
NM_001130408	Arf1	-1.2	9E-03
NM_026626	Efcab2	-1.2	4E-02
NM_133235	Khdrbs2	-1.2	3E-02
NM_175101	Tmem111	-1.2	3E-03
NM_001100109	Srp54b	-1.2	6E-03
NM_020611	Srd5a3	-1.2	4E-02
NM_025349	Lsm7	-1.2	1E-02
NM_019717	Atl2	-1.2	2E-02
NM_026272	Narf	-1.2	5E-02
NM_011889	Septin3	-1.5	6E-04
ENSMUST00000027495	Septin2	-1.2	5E-02

Supplementary Table 6: Protein-coding genes *exclusively* differentially-expressed (either induced (black type-face) or repressed (blue type-face)) in S/E¹⁸ peptide-treated animals relative to saline-treated controls. Only genes exhibiting a fold-change (FC) ≥ 1.2 and p value (P) ≤ 0.05 are considered. In cases of multiple probes mapping to the same transcript, the greatest FC is reported. Genes are ranked according to fold-change.

RefSeq/Ensembl ID	Gene Symbol	SE v Control	
		FC	P
NM_010240	Ftl1	3.5	9E-03
NM_011354	Serf2	3.3	2E-02
NM_008220	Hbb-b1	3.3	4E-02
NM_009976	Cst3	3.0	1E-02
NR_045304	1700030N03Rik	2.9	9E-04
XM_982603	Gm8005	2.7	5E-03
XM_144599	Gm4963	2.6	1E-02
NM_001005488	Olfr467	2.6	2E-02
NM_001024731	LOC100044193	2.6	3E-03
XR_140674	LOC100862132	2.5	1E-02
XR_141676	LOC100861856	2.5	3E-02
NM_019910	Dcpp1	2.4	2E-02
L37873	Trbv13-2	2.4	4E-03
NM_027955	Gmcl1l	2.4	4E-02
AK076905	1700040F15Rik	2.4	3E-02
NM_009095	Rps5	2.4	2E-02
NM_007894	Ear1	2.4	4E-02
NM_010640	Klk1b11	2.4	2E-03
ENSMUST00000098140	Olfr1532-ps1	2.4	2E-02
XR_106535	Gm19876	2.3	2E-02
ENSMUST00000075382	Gm8213	2.3	1E-02
XR_104955	Gm19617	2.3	2E-03
XM_003689275	LOC100862598	2.3	1E-02
ENSMUST00000075737	Gm5329	2.3	2E-03
NR_040666	2900093L17Rik	2.2	4E-04
ENSMUST00000152407	Gm8842	2.2	1E-03
ENSMUST00000154148	Arfp1	2.2	8E-03
NM_009429	Tpt1	2.2	1E-02
NM_146538	Olfr315	2.2	9E-03
XM_003085279	Srsx	2.2	2E-02
NM_011188	Psmc2	2.2	9E-03
XM_904838	LOC666692	2.1	5E-02
BC147603	Gm732	2.1	1E-02
XM_001474423	Gm2745	2.1	6E-04
NM_001038997	Gm5771	2.1	2E-02
XR_105301	Gm19592	2.1	2E-02
NM_001109970	Gm10486	2.1	6E-03
NM_011296	Rps18	2.0	2E-02
NM_144825	Taok1	2.0	3E-02

NM_001177545	Zfp600	2.0	1E-02
NM_001166743	Vmn1r117	2.0	5E-03
NR_030707	Vmn1r-ps79	2.0	4E-02
NM_001109969	Gm10058	2.0	3E-02
ENSMUST00000098844	Vmn1r55	2.0	2E-02
XR_108082	Gm19447	2.0	3E-02
NM_007606	Car3	2.0	6E-04
ENSMUST00000095561	Gm4666	2.0	2E-02
AK013560	A230006K03Rik	1.9	3E-03
XM_887355	Gm6238	1.9	8E-03
ENSMUST00000084760	Olfr472	1.9	1E-02
NM_029803	Ifi27l2a	1.9	1E-02
NM_001081669	Rhox2d	1.9	3E-02
NM_178598	Tagln2	1.9	4E-02
NM_009139	Ccl6	1.9	3E-02
XM_003085369	Gm6625	1.9	7E-03
NM_010669	Krt6b	1.9	2E-03
NM_175656	Hist1h4i	1.9	3E-02
NM_134194	Vmn1r225	1.9	2E-02
XR_140478	Gm2710	1.9	4E-02
NM_011964	Psg19	1.9	2E-02
NM_177670	Tmem69	1.9	4E-02
NM_009394	Tnnc2	1.9	1E-02
ENSMUST00000173019	Rps28	1.9	7E-04
NR_024599	Gm11346	1.9	1E-02
ENSMUST00000096366	1700010D01Rik	1.9	4E-02
NM_007542	Bgn	1.8	3E-03
ENSMUST00000177523	Prh1	1.8	3E-02
XR_140534	LOC100861957	1.8	1E-02
NM_053230	Vmn1r41	1.8	2E-02
ENSMUST00000068475	Olfr354	1.8	2E-03
NM_029614	Prss23	1.8	1E-02
NM_175167	Bpifb9a	1.8	2E-02
XR_141165	LOC100861733	1.8	4E-02
NM_011835	Katna1	1.8	9E-03
NM_001254951	Gm4636	1.8	2E-02
NM_001081005	1500012F01Rik	1.8	5E-03
NM_015809	Krtap5-4	1.8	8E-04
AK014756	4833423F13Rik	1.8	2E-02
XM_003085914	LOC100505112	1.8	5E-02
NM_177397	Atp6v1g3	1.8	4E-03
NM_001011784	Olfr1039	1.8	9E-03
NM_001177419	Fbxw28	1.8	3E-02
NM_026011	Arl8b	1.8	1E-02
NR_027478	Gm8580	1.8	1E-03
NM_008681	Ndrg1	1.8	3E-03

NM_009443	Tgoln1	1.8	4E-03
NM_026439	Ccdc80	1.8	2E-03
XR_142437	LOC100862607	1.8	7E-03
NM_130905	Cd209e	1.8	5E-03
NM_015804	Atp11a	1.8	2E-02
NM_177744	Apol10a	1.8	3E-02
XR_034708	1700063K16Rik	1.8	3E-02
XR_140744	4932422M17Rik	1.8	8E-03
ENSMUST00000076262	Olfr193	1.8	4E-02
ENSMUST00000164181	Myl6	1.8	2E-02
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NM_019547	Rbm38	1.7	1E-02
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BC087948	BC024386	1.7	1E-02
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BC084675	Rps3a	1.7	4E-03
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NM_010570	Irs1	1.7	3E-02
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NM_001177416	Gm6792	1.7	1E-02
ENSMUST00000176838	Vmn1r4	1.7	4E-02
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NM_001256066	Gm5326	1.7	1E-03
NM_001166725	Vmn1r129	1.7	4E-02
XR_141910	LOC100862110	1.7	2E-02
NR_045264	Al847159	1.7	5E-02
NM_019817	Copz1	1.7	4E-02
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NM_029767	Rps9	1.6	8E-03

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NM_001011793	Olfr598	1.6	5E-02
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NR_040757	0610040F04Rik	1.6	5E-02
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NM_001105063	Vmn2r32	1.6	3E-02
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NM_001083955	Hba-a2	1.6	4E-03
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NM_027221	Krtcap3	1.6	2E-02
NM_025931	Ift27	1.6	2E-02
NM_001042711	Amy2a5	1.6	4E-02
NM_201236	Rhox4e	1.6	4E-02
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ENSMUST00000001456	Tmem79	1.6	2E-02
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XR_104603	Gm19918	1.5	4E-02
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NM_146495	Olfr474	1.5	2E-02
NR_001586	Speer1-ps1	1.5	5E-02
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XR_033201	4930401B11Rik	1.5	1E-02

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NM_146681	Olfr1424	1.5	1E-02
ENSMUST00000117377	Spock3	1.5	1E-02
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NM_027304	H1fnt	1.5	4E-02
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ENSMUST00000114222	Gng12	1.5	6E-04
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NR_045705	I730028E13Rik	1.5	1E-02
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NR_045404	G630055G22Rik	1.5	3E-02
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NM_028671	Fam122c	1.5	3E-02
ENSMUST00000105971	Tnni2	1.5	3E-02
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NM_146345	Olfr1491	1.5	2E-02
NR_040405	Gm6260	1.5	3E-02
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XR_107106	Gm19389	1.5	1E-03
NM_009426	Trh	1.5	4E-02
NM_023816	Ankrd36	1.5	3E-02
NM_007994	Fbp2	1.5	4E-02
NM_172756	Ankle1	1.5	1E-02
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NM_008062	G6pdx	1.5	3E-02
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NM_153079	Nmur2	1.5	3E-02
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NM_173069	Speer2	1.5	2E-02
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AK020970	B230112J18Rik	1.5	3E-02
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NM_178028	Galp	1.5	1E-02
NM_011858	Odz4	1.5	4E-02
ENSMUST00000032344	Arhgdib	1.5	9E-03
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NM_020569	Park7	1.4	2E-02
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NR_045358	4930556N09Rik	1.4	5E-02
AK165489	F530104D19Rik	1.4	8E-03
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BC115964	Slc36a4	1.4	4E-02
ENSMUST00000081457	Lgals7	1.4	4E-02
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AK013159	2810425M01Rik	1.4	1E-02
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NR_028586	Gm11978	1.4	2E-02
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NM_008004	Fgf17	1.4	3E-02
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NM_011023	Otx1	1.4	3E-02
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NM_010600	Kcnh1	1.4	5E-03
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ENSMUST00000026565	Ifitm3	1.4	5E-03
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NM_026730	Gpihbp1	1.4	5E-02
AK139372	Gm8098	1.4	2E-02
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NM_009987	Cx3cr1	1.4	4E-02
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NM_009042	Reg1	1.4	5E-03
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NM_153508	Clstn3	1.4	2E-02
NM_028598	2410076I21Rik	1.4	3E-02
NM_177905	Piwil4	1.4	2E-02
XR_142180	Gm8564	1.4	8E-03
NM_001252341	Syt1	1.4	4E-02
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NR_040445	1700017G19Rik	1.4	1E-02
XM_003086377	Spocd1	1.4	2E-02
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NR_028030	Gm9767	1.4	4E-03

NM_001145759	4930571K23Rik	1.4	3E-02
XM_355309	Gm13194	1.4	1E-02
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NM_029106	Gm14354	1.4	6E-03
NM_207233	C1ql2	1.4	1E-02
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ENSMUST00000031982	Hpgds	1.4	2E-02
ENSMUST00000110612	2310003F16Rik	1.4	3E-02
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ENSMUST00000170719	Sftpa1	1.4	3E-02
NM_009526	Wnt6	1.4	4E-02
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NM_011185	Psmc1	1.4	3E-02
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NM_001163730	Gm9125	1.4	4E-02
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ENSMUST00000164598	Acox2	1.4	7E-03
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NM_019484	Alyref2	1.4	3E-02
ENSMUST00000073570	Zfp414	1.4	5E-02
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NM_011028	P2rx6	1.4	7E-03
NM_009133	Stmn3	1.4	5E-02
NM_177469	Gpr123	1.4	1E-03
NM_029802	Arfp2	1.4	3E-03
NM_001206369	Gsn	1.4	2E-02
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NM_177919	Tceal5	1.4	4E-02
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NR_040277	B230378P21Rik	1.4	2E-02

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NM_031393	Sytl1	1.4	1E-02
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BC051076	BC051076	1.4	2E-02
XR_107370	Gm13431	1.4	1E-02
XR_104931	Gm19862	1.4	5E-02
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ENSMUST00000051540	Olfr460	1.4	3E-02
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NM_031254	Trem2	1.4	1E-02
AK043525	A830005F24Rik	1.4	1E-02
XM_001479065	Gm8526	1.4	7E-03
XR_142285	LOC621118	1.4	1E-02
AK015742	4930510E17Rik	1.4	5E-02
NM_025821	Carhsp1	1.4	3E-02
NM_021889	Syt9	1.4	4E-02
NR_040614	4930533B01Rik	1.4	3E-03
NM_009643	Ahnak	1.4	4E-02
NM_021882	Pmel	1.4	5E-02
NM_001033233	Tmprss11a	1.4	4E-02
NR_015569	4732471J01Rik	1.4	5E-03
NM_207247	Pglyrp3	1.4	5E-02
NM_010229	Flt3	1.4	4E-02
NM_001013777	Zfp488	1.4	2E-02
NM_001033298	Plk1s1	1.4	2E-02
BC046251	BC046251	1.4	1E-03
NR_040625	9430032N09Rik	1.4	4E-02
NM_134248	Havcr1	1.4	2E-02

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NM_029254	Spdya	1.4	2E-02
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ENSMUST00000022256	Psmc6	1.4	2E-02
ENSMUST00000056517	Gja10	1.4	4E-02
XR_142300	Gm20333	1.4	3E-02
XM_910785	Gm12770	1.3	5E-02
NM_011077	Phex	1.3	9E-03
ENSMUST00000030614	CK137956	1.3	3E-02
NM_146889	Olfr1302	1.3	3E-02
ENSMUST00000028553	Nop10	1.3	3E-03
NM_009226	Snrpd1	1.3	6E-03
NM_175524	C130060K24Rik	1.3	2E-02
NM_001163247	Birc7	1.3	4E-02
NM_053091	Cox4i2	1.3	5E-03
NM_008939	Prss12	1.3	3E-02
NM_182959	Slc17a8	1.3	2E-02
NM_020051	Ascl3	1.3	1E-02
AK016217	4930564C03Rik	1.3	4E-02
NM_031842	Smarcd1	1.3	9E-03
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ENSMUST00000044953	Svs2	1.3	3E-02
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NM_175175	Plekhf2	-1.5	4E-02
NM_183174	Homez	-1.5	3E-02
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NM_017378	Pcdh12	-1.5	2E-02
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NM_029031	Shpk	-1.4	7E-03
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NR_040399	4930570G19Rik	-1.4	2E-02
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ENSMUST00000037035	Ripk2	-1.4	2E-02
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BC064105	2610203C22Rik	-1.4	5E-02
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AK145303	Gm10747	-1.4	2E-02
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NM_133999	Fig4	-1.4	1E-02
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NM_023418	Pgam1	-1.4	5E-03
NM_009266	Sephs2	-1.4	4E-03

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ENSMUST00000119878	Dyrk1a	-1.4	9E-05
NM_177843	Gm14461	-1.4	9E-03
NM_197987	Trim37	-1.4	2E-02
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NM_011406	Slc8a1	-1.4	9E-03
NM_133225	Acbd3	-1.4	2E-03
XM_891513	Rpl31-ps21	-1.4	4E-02
NM_001033306	Shb	-1.4	3E-02
NM_178404	Zc3h6	-1.4	3E-02
ENSMUST00000028377	Scn2a1	-1.4	5E-02
ENSMUST00000063690	Dhrs9	-1.4	2E-02
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ENSMUST00000020273	Supv3l1	-1.4	1E-03
ENSMUST00000014562	Hps5	-1.4	4E-02
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ENSMUST00000122965	Elp4	-1.4	4E-02
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ENSMUST00000048096	Tlr4	-1.4	2E-02
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NR_027956	1700052K11Rik	-1.4	4E-04

BC138202	2010002M12Rik	-1.4	3E-02
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NM_001030294	Olfm4	-1.4	3E-02
NM_001024135	Kbtbd7	-1.4	7E-03
NM_146365	Olfm1094	-1.4	2E-02
NM_026443	Mtfp1	-1.4	3E-02
NM_011505	Stxbp4	-1.4	6E-03
ENSMUST00000112916	Nxt2	-1.4	2E-02
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NM_029510	Bcor	-1.4	3E-03
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NM_013904	Hey2	-1.4	5E-02
NM_023503	Ing2	-1.4	4E-02
NM_175565	Cdv3	-1.4	2E-02
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ENSMUST00000107479	Rapgef1	-1.4	3E-02
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NM_026179	Abhd5	-1.4	1E-03
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AK019250	2810030D12Rik	-1.4	4E-02
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NM_175127	Fbxo28	-1.4	2E-03
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NM_029891	Nkrf	-1.4	2E-02
ENSMUST00000085668	Gm5113	-1.4	5E-03
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ENSMUST00000082027	Olfr149	-1.4	3E-02
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ENSMUST00000019143	Slc35b4	-1.3	1E-02
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NM_009323	Tbx15	-1.3	3E-02
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ENSMUST00000172278	Chrm2	-1.3	1E-02
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ENSMUST00000068262	Nt5c1a	-1.3	7E-03
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ENSMUST00000077938	Haghl	-1.3	5E-02
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NM_010832	Msl3	-1.3	4E-02
ENSMUST00000029106	Zbtb46	-1.3	3E-02
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NM_021886	Cenph	-1.3	2E-02
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ENSMUST00000112787	Gm3099	-1.3	2E-02
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ENSMUST00000066279	Sh3bp4	-1.3	2E-03
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ENSMUST00000111569	Caprin2	-1.3	5E-02
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ENSMUST00000025166	Cdh2	-1.3	2E-03
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ENSMUST00000065767	Kdelc1	-1.3	4E-02
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NM_001081557	Camta1	-1.3	4E-03

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ENSMUST00000136822	B3gnt9-ps	-1.3	4E-02
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NM_130892	Rtn4ip1	-1.3	1E-02
NM_016769	Smad3	-1.3	3E-02
NR_027375	Ythdf3	-1.3	4E-03
NM_153583	Atg4d	-1.3	3E-03
NM_001099276	Pik3c2b	-1.3	1E-02
NM_153129	Pacs1	-1.3	2E-02
ENSMUST00000024858	Galnt14	-1.3	9E-03
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NM_146157	C230096C10Rik	-1.3	4E-02
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AK085917	2610209C05Rik	-1.3	4E-02
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ENSMUST00000063517	Spats2	-1.3	3E-02
X00438	Tcrb-J	-1.3	3E-02
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ENSMUST00000019470	Psme3	-1.3	7E-03
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NM_001142580	Vipar	-1.3	4E-02
NM_001080706	Btaf1	-1.3	4E-02
NM_133983	Cd276	-1.3	3E-03
ENSMUST00000048026	Hoxa11	-1.3	4E-02
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NM_028597	Thoc3	-1.3	1E-02
NM_025730	Lrrk2	-1.3	3E-03
NM_207625	Acs14	-1.3	3E-02
NM_172394	Nup88	-1.3	1E-02
ENSMUST00000124334	Mus81	-1.3	1E-02
NM_009423	Traf4	-1.3	2E-02
NM_028227	Brap	-1.3	3E-02
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NM_007806	Cyba	-1.3	5E-02
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NM_015774	Ero1l	-1.3	4E-02
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ENSMUST00000045281	Smg6	-1.3	3E-02
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ENSMUST00000033621	Gla	-1.3	1E-02
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NM_001177534	Gm15881	-1.3	4E-02
NM_001135559	Sos2	-1.3	4E-03
XM_003086546	LOC674392	-1.3	8E-03
NM_172443	Tbc1d16	-1.3	9E-03
NM_001168535	Cdadcl	-1.3	3E-02
NM_010154	Erbb4	-1.3	3E-02
NM_025382	Tmem57	-1.3	4E-02
ENSMUST00000115238	Ahcyl2	-1.3	1E-03
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ENSMUST00000032429	Med21	-1.3	3E-02
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NM_001112729	Tti2	-1.3	4E-02
ENSMUST00000164095	Herc2	-1.3	1E-02

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ENSMUST00000119129	Cdon	-1.3	2E-02
NM_010475	Hsd17b1	-1.3	1E-02
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ENSMUST00000026076	Gfra1	-1.3	3E-02
NM_173378	Trp53bp2	-1.3	2E-02
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NM_146807	Olfr136	-1.3	1E-02
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ENSMUST00000029049	Chmp4c	-1.3	9E-03
ENSMUST00000037918	Tmem33	-1.3	2E-02
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ENSMUST00000102849	Usp20	-1.3	1E-03
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NM_026154	Mrpl10	-1.3	2E-02
NM_010561	Ilf3	-1.3	2E-02
NM_001111027	Runx1t1	-1.3	3E-02
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ENSMUST00000055104	Tceal1	-1.3	3E-02
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NM_024188	Oxct1	-1.3	1E-02
NM_021350	Chml	-1.3	3E-02
NM_001253706	Septin6	-1.3	2E-02
NM_133857	Usp53	-1.3	2E-02
ENSMUST00000105364	Ndufs7	-1.3	1E-03
NM_025362	Dnajc30	-1.3	2E-02
NM_145590	BC017158	-1.3	4E-02
NM_001110843	Cacna2d1	-1.3	1E-02
NM_172404	Ccbl1	-1.3	3E-02
ENSMUST00000035106	Slc25a38	-1.3	1E-02
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NM_026102	Daam1	-1.3	2E-02
NM_021881	Qk	-1.3	4E-03
NM_027854	0610007L01Rik	-1.3	6E-03
NM_173026	Zbtb11	-1.3	3E-02
NM_001038587	Adar	-1.3	3E-02

NM_001198860	Ctbp1	-1.3	2E-03
NM_001168297	Fbxo30	-1.3	5E-02
NM_172682	Fam160a1	-1.3	4E-02
NM_173779	Sowahd	-1.3	2E-02
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ENSMUST00000027384	Atic	-1.3	6E-03
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NM_011514	Suv39h1	-1.2	1E-02
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NM_025826	Acadsb	-1.2	5E-03
NM_001001984	Kdm2a	-1.2	7E-04
NM_001081293	Rprd2	-1.2	9E-03
NM_001033439	Lrch1	-1.2	4E-02
NM_008679	Ncoa3	-1.2	3E-02
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ENSMUST00000096744	Myadm	-1.2	4E-02
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NM_019653	Wsb1	-1.2	3E-02
ENSMUST00000160696	Phc1	-1.2	3E-02
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NM_172874	Podn	-1.2	2E-02
NM_021607	Ncstn	-1.2	3E-02
ENSMUST00000109353	Tubgcp6	-1.2	2E-02
NM_144888	Mavs	-1.2	3E-02
ENSMUST00000080598	Bre	-1.2	5E-02
ENSMUST00000002391	Tm9sf1	-1.2	3E-02
ENSMUST00000057551	Slbp	-1.2	1E-02
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NM_030132	Utp23	-1.2	2E-02
NM_011264	Rev3l	-1.2	4E-02
NM_027895	Ulk3	-1.2	1E-03
NM_130861	Slco1a5	-1.2	3E-02
NM_145385	Mlf2	-1.2	4E-04
NM_130796	Snx18	-1.2	2E-02
NM_008772	P2ry1	-1.2	7E-03
NM_009497	Vamp2	-1.2	2E-02
ENSMUST00000067101	Kcnj3	-1.2	4E-02
NM_027931	Tars2	-1.2	4E-02
NM_001081203	Sbno1	-1.2	7E-04
ENSMUST00000050668	Zfp770	-1.2	4E-02
NM_019654	Socs5	-1.2	4E-02
ENSMUST00000031077	Zcchc4	-1.2	5E-02
AK140616	Gm15983	-1.2	5E-02
ENSMUST00000164416	Pcid2	-1.2	1E-02
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NM_153801	Tecrl	-1.2	2E-03

ENSMUST00000091609	Cltb	-1.2	1E-02
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BC031781	BC031781	-1.2	3E-02
NM_018831	Dclre1a	-1.2	1E-02
NM_001033430	Jhdm1d	-1.2	2E-02
NM_054045	Hist2h3c2	-1.2	4E-02
NM_133687	Cxxc5	-1.2	3E-03
NM_001128151	Cecr2	-1.2	4E-03
NM_010124	Eif4ebp2	-1.2	5E-02
NM_198429	Nfatc1	-1.2	4E-02
ENSMUST00000029116	Pcmt2	-1.2	5E-03
NM_178376	Rraga	-1.2	3E-02
NM_173406	Jazf1	-1.2	4E-02
NM_031169	Kcnmb1	-1.2	5E-02
ENSMUST00000136348	Bcor1	-1.2	3E-02
NM_021494	Dennd5a	-1.2	2E-02
NM_013507	Eif4g2	-1.2	6E-03
NM_177128	lqcb1	-1.2	2E-02
NM_001042421	Kntc1	-1.2	2E-02
NR_030711	2210403K04Rik	-1.2	3E-03
AK014034	3110009M11Rik	-1.2	3E-02
NM_026389	Poldip2	-1.2	1E-02
ENSMUST00000112624	Oxsm	-1.2	2E-02
NM_133705	Pycr2	-1.2	4E-02
NM_009536	Ywhae	-1.2	1E-02
ENSMUST00000096495	Med14	-1.2	3E-02
NM_027920	March8	-1.2	4E-02
NM_001146349	Rnf217	-1.2	2E-02
BC028457	1500032L24Rik	-1.2	1E-02
NM_177324	Sbf2	-1.2	2E-02
NM_021356	Gab1	-1.2	5E-02
NM_026556	Dynll2	-1.2	2E-02
NM_009107	Rxrg	-1.2	4E-02
NM_022813	Scamp2	-1.2	3E-02
NM_001025309	Pja2	-1.2	1E-02
NM_009358	Ppp2r5d	-1.2	4E-02
NM_178363	Ylpm1	-1.2	1E-03
ENSMUST00000113063	Il1rapl2	-1.2	1E-02
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NM_178743	Slc26a11	-1.2	2E-02
NM_010799	Minpp1	-1.2	3E-02
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NM_019739	Foxo1	-1.2	4E-02
NM_172514	Tmem71	-1.2	2E-02
ENSMUST00000105502	Foxo3	-1.2	3E-02
NM_001024604	Ankrd28	-1.2	1E-02

NM_144874	Cox15	-1.2	1E-02
NM_017367	Ccni	-1.2	2E-02
NM_018808	Dnajib1	-1.2	4E-02
NM_027901	Gtf3c2	-1.2	4E-02
NM_028871	Hnrnpr	-1.2	5E-02
ENSMUST00000114548	Cadm1	-1.2	2E-02
NM_001163475	Zfp746	-1.2	4E-02
NM_138681	Bcas3	-1.2	1E-02
NM_001164679	Ano8	-1.2	2E-02
ENSMUST00000117160	Cdh13	-1.2	5E-02
ENSMUST00000136872	Mtch2	-1.2	2E-02
NM_001033466	Zbtb2	-1.2	4E-02
NM_008715	Ints6	-1.2	2E-02
NM_172282	Tmco3	-1.2	1E-02
NM_007772	Hivep1	-1.2	5E-03
NM_001159634	Prrc2b	-1.2	1E-04
AK016136	4930555O08Rik	-1.2	4E-02
NM_027083	Lyzl6	-1.2	4E-02
ENSMUST00000028087	Ppp6c	-1.2	4E-02
NM_001001983	Pi4ka	-1.2	1E-02
NR_045269	1700011J10Rik	-1.2	3E-02
NM_001039123	Defb18	-1.2	4E-02
NM_172606	March6	-1.2	8E-03
NM_020575	March7	-1.2	4E-02
NM_001039156	Triobp	-1.2	4E-02
NM_001033385	D630037F22Rik	-1.2	3E-02
NM_144920	Plekha5	-1.2	2E-02
ENSMUST00000040179	Ttll5	-1.2	1E-02
NM_018884	Pdzrn3	-1.2	6E-03
NM_001201413	Apbb2	-1.2	4E-03
NM_133750	Fam118a	-1.2	1E-02
NM_008086	Gas1	-1.2	4E-02
NM_178403	Pus7	-1.2	9E-03
NM_008349	Il10rb	-1.2	4E-02
NM_001253690	Patz1	-1.2	3E-02
NM_019730	Nme3	-1.2	3E-02
NM_016709	Auh	-1.2	3E-02
NM_025950	Cdc37l1	-1.2	5E-03
NM_030695	Lrba	-1.2	5E-03
ENSMUST00000122010	Anapc7	-1.2	4E-02
NM_026856	Zfp644	-1.2	2E-02
NM_001039552	2210404J11Rik	-1.2	5E-02
NM_013906	Adamts8	-1.2	2E-02
ENSMUST00000115578	Ufd1l	-1.2	4E-03
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NM_133987	Slc6a8	-1.2	3E-02
NM_001079932	Trim72	-1.2	3E-02
NM_007415	Parp1	-1.2	3E-02
NM_001037923	Lekr1	-1.2	4E-03
AK082638	Sf3b3	-1.2	5E-02
NM_173756	Lin52	-1.2	8E-03
NM_024214	Tomm20	-1.2	4E-02
NM_182992	Mypn	-1.2	9E-04
ENSMUST00000057561	Wwc2	-1.2	2E-02
NM_011100	Prkacb	-1.2	1E-02
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NM_001256112	Fam54b	-1.2	4E-02
NM_027485	Med26	-1.2	9E-03
NM_026748	Ints1	-1.2	4E-03
NM_009532	Xrcc1	-1.2	5E-02
NM_001081057	Tecpr2	-1.2	1E-02
NM_011211	Ptprd	-1.2	4E-02
ENSMUST00000103033	2310067B10Rik	-1.2	2E-02
NM_177648	Dolk	-1.2	1E-02
NM_001024560	Snx32	-1.2	5E-02
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ENSMUST00000039476	Arhgef11	-1.2	4E-03
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NM_054093	Ube3b	-1.2	9E-03
NM_001163502	C130039O16Rik	-1.2	2E-02
NM_001033338	Rimbp3	-1.2	8E-03
NM_001017985	C2cd3	-1.2	8E-03
NM_013477	Atp6v0d1	-1.2	6E-03
NM_001037749	Slc22a14	-1.2	4E-02
NM_013556	Hprt	-1.2	3E-02
NM_178693	Coq4	-1.2	2E-02
NM_173189	Mcph1	-1.2	2E-02
ENSMUST00000017332	Ccdc56	-1.2	2E-02
ENSMUST00000105809	Ubxn10	-1.2	4E-02
NM_011104	Prkce	-1.2	6E-03
NM_133770	Adck4	-1.2	4E-02
NM_026175	Sf3a1	-1.2	1E-02
NM_172871	Klhl9	-1.2	9E-03
NM_030252	BC003266	-1.2	3E-02
NM_001025067	Lrig2	-1.2	2E-02
NM_172260	Cep68	-1.2	4E-02
NM_007896	Mapre1	-1.2	4E-02
NM_029857	Tmco4	-1.2	4E-02
ENSMUST00000004683	Mcoln1	-1.2	1E-02
ENSMUST00000071001	Tmem80	-1.2	2E-02
NM_001110209	Lnp	-1.2	2E-02

NM_010433	Hipk2	-1.2	8E-03
ENSMUST00000107692	Trim2	-1.2	1E-02
ENSMUST00000159592	Ssh1	-1.2	2E-02
ENSMUST00000147337	Mapkap1	-1.2	2E-02
NM_008866	Lypla1	-1.2	7E-03
NM_145824	Ranbp10	-1.2	5E-02
NM_001115010	Lin54	-1.2	3E-02
ENSMUST00000091259	Slc7a14	-1.2	2E-02
NM_172903	Man2a2	-1.2	2E-02
ENSMUST00000021802	Cap2	-1.2	2E-02
NM_178659	Jmjd4	-1.2	3E-02
NM_146173	Tspan33	-1.2	2E-02
NM_025903	lfrd2	-1.2	5E-03
NM_001045536	Zzef1	-1.2	4E-02
ENSMUST00000040735	Amdhd2	-1.2	3E-02
NM_019711	Rbms2	-1.2	6E-04
NM_175413	Lrrc39	-1.2	3E-03
NM_025516	Ergic3	-1.2	2E-02
NM_001039644	Edem3	-1.2	9E-03
NM_001253822	Irx3	-1.2	2E-02
NR_045070	4930592A05Rik	-1.2	1E-02
NM_027326	Mllt3	-1.2	4E-02
NM_207659	Hook3	-1.2	5E-02
NM_001163852	Tbc1d24	-1.2	2E-02
ENSMUST00000031594	Sdsl	-1.2	6E-03
ENSMUST00000106497	Grb2	-1.2	1E-02
NM_172429	Smndc1	-1.2	4E-02
NM_008828	Pgk1	-1.2	4E-02
NM_007862	Dlg1	-1.2	4E-02
NM_153563	Fam40a	-1.2	2E-02
ENSMUST00000049544	Ccdc141	-1.2	4E-02
NM_134079	Adk	-1.2	4E-02
ENSMUST00000018470	Ywhab	-1.2	7E-03
NM_001199245	Kcnip4	-1.2	4E-02
ENSMUST00000154647	Phyhd1	-1.2	5E-02
BC130272	Fam65c	-1.2	3E-02
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