

Activation of PPAR γ by a natural flavonoid modulator, apigenin ameliorates obesity-related inflammation via regulation of macrophage polarization

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Supplementary DATA

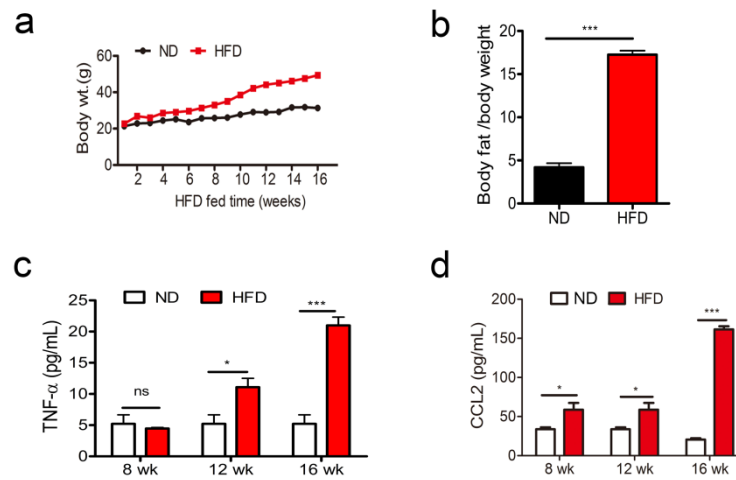


Figure S1. The progression of inflammation along with the obesity

a. The body weight of mice fed by a HFD for 16 weeks. $n=9$.

b. The fat/body weight index of mice fed by a HFD for 12 weeks. $n=9$. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. *** $P < 0.001$ compared with ND.

c. TNF- α was obviously increased in the serum of HFD mice at the indicated age. $n=9$. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. * $P < 0.05$, *** $P < 0.001$ compared with ND.

d. CCL2 was obviously regulated in serum of HFD mice at the indicated time fed by HFD. $n=9$. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. * $P < 0.05$, *** $P < 0.001$ compared with ND.

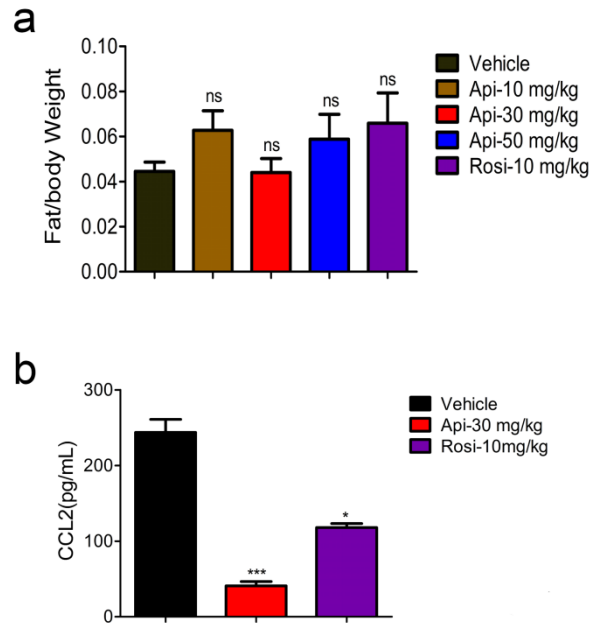


Figure S2. The fat/body weight index and the level of CCL2 in the serum of mice affected by Api and Rosi

a. The fat/body weight index of 16 weeks HFD-fed mice affected by Api or Rosi treated for 21 days. All values are expressed as mean \pm SEM. $n=9$. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. *** $P < 0.001$ compared with vehicle.

b. The level of CCL2 in the serum of 16 weeks HFD-fed mice treated with vehicle, 30mg/kg Api or 10mg/kg Rosi for 21 days. $n=9$. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test.

* $P < 0.05$, *** $P < 0.001$ compared with vehicle.

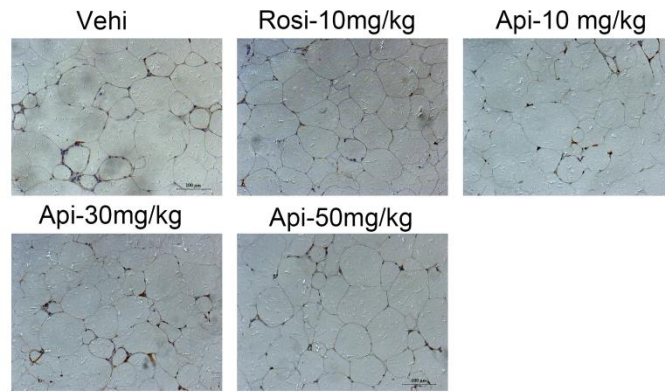


Figure S3. IHC detection the macrophage marker CD68 in the adipose tissue of the HFD mice treated with vehicle, Api or Rosi for 21 days.

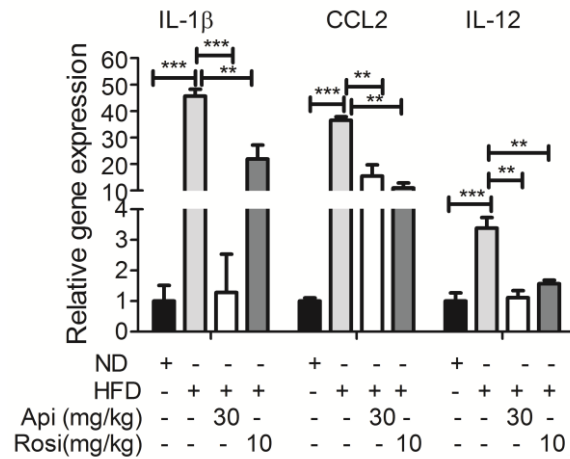


Figure S4. The effect of Api on the expression of IL-12, CCL2 as well as IL-1 β in the adipose tissue of HFD mice assayed by using qRT-PCR and normalized to ND group and the level of β -actin. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test (n=9). ** $P < 0.01$, * $P < 0.001$, HFD compared with ND, Api and Rosi compared with HFD, separately.**

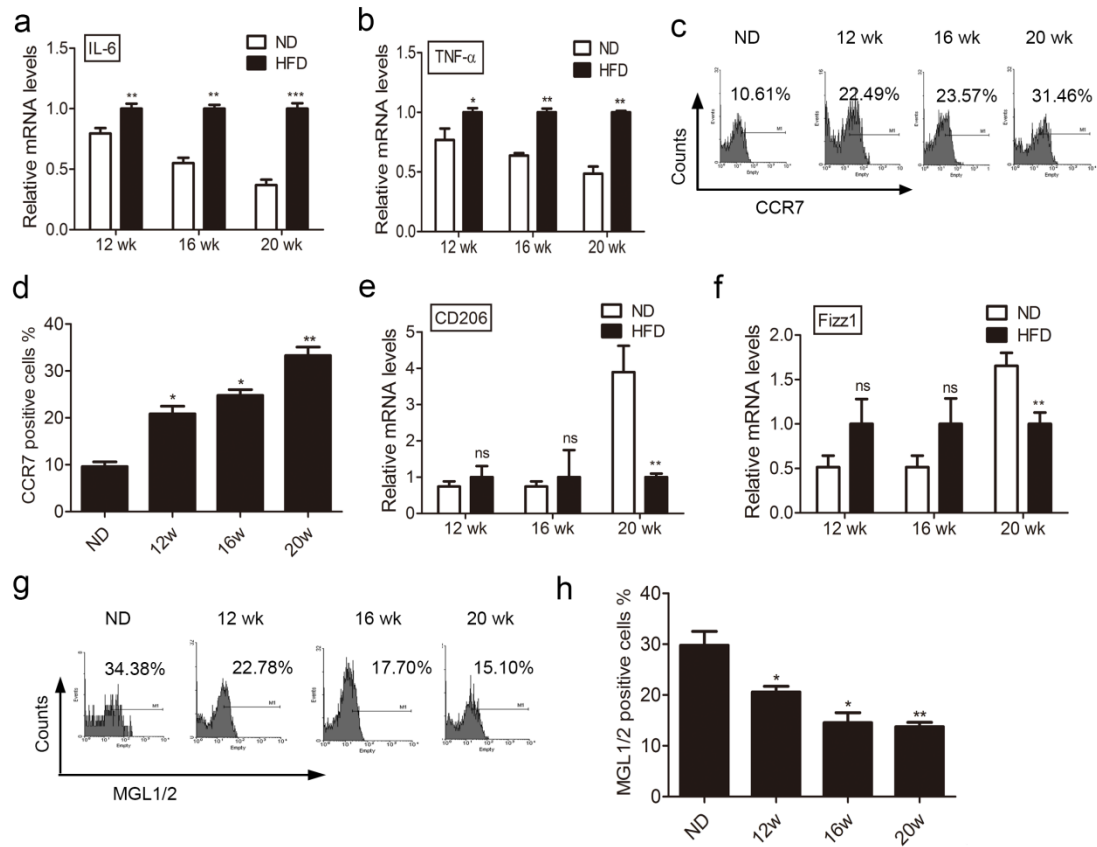


Figure S5. The M1/M2 status of macrophages is imbalanced in the obese progression of HFD mice.

a-b, e-f. cDNA of primary peritoneal macrophages in 12, 16 and 20 weeks old HFD mice were analyzed by qRT-PCR with indicated probes. Data indicate fold induction (normalized by β -actin signal) compared to corresponding signals in ND. $n=9$. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. Ns: no significant difference, $*P < 0.05$, $**P < 0.01$, $***P < 0.001$ compared with ND.

c. Representative flow cytometry images of mice primary peritoneal macrophages hybridized with fluorescent antibodies specific for mice CCR7.

d. The quantification of the percent of CCR7 positive cells. $n=9$. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed

by a Dunnett's test. * $P < 0.05$, ** $P < 0.01$ compared with ND.

g. Representative flow cytometry images of mice primary peritoneal macrophages hybridized with fluorescent antibodies specific for mice MGL1/2.

h. The quantification of the percent of MGL1/2 positive cells. $n=9$. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * $P < 0.05$, ** $P < 0.01$ compared with ND.

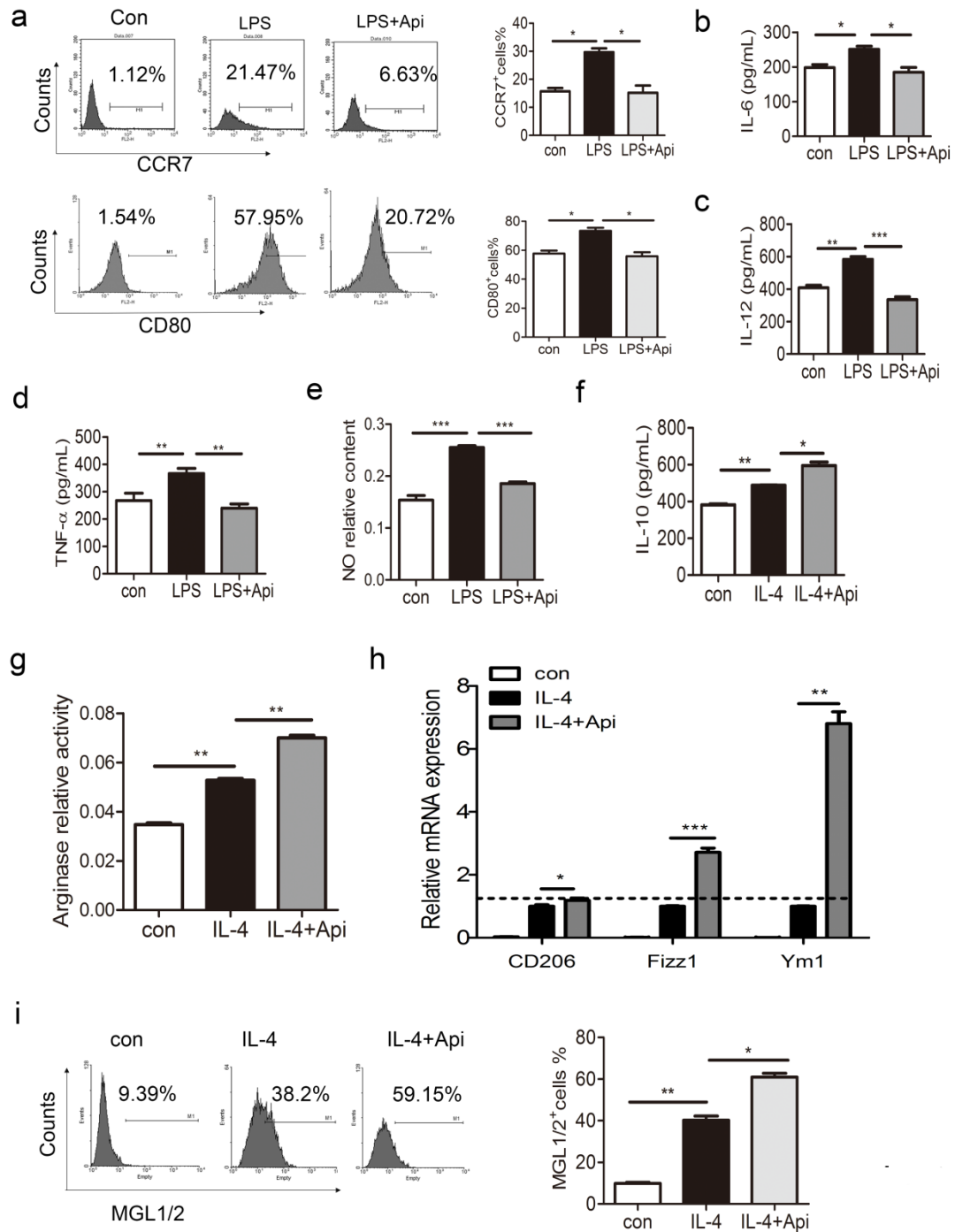


Figure S6. Api regulates M1/M2 status of macrophages in M1 and M2 cell models.

a. ANA-1 macrophage cells were treated with 500 ng/ml LPS, or 500ng/ml LPS Plus 7.5 μ M Api simultaneously for 24hours. The surface markers of macrophage, CCR7 and CD80, were analyzed by FACS (left) and significant assay (right). And **b-d**:

Pro-inflammatory cytokine IL-6, IL-12 and TNF- α release in treated macrophage cell culture supernatant were analyzed by ELISA assay. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, LPS compared with con, LPS+Api compared with LPS.

e. The NO release in the cell supernatant was assayed by a standard Griess reaction. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. *** $P < 0.001$, LPS compared with con, LPS+Api compared with LPS.

f. ANA-1 macrophage cells were treated with 10 ng/ml IL-4, or 10ng/ml IL-4 Plus 7.5 μ M Api simultaneously for 24 hours. Levels of cytokine IL-10 in cell culture supernatant were assayed by ELISA assay. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * $p < 0.05$ for IL-4 versus control and ** $p < 0.01$ versus IL-4+Api.

g. ANA-1 macrophage cells were treated with 10 ng/ml IL-4, or 10ng/ml IL-4 Plus 7.5 μ M Api simultaneously for 24 hours. The relative activity of arginase was examined. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. ** $P < 0.01$, IL-4 compared with con, IL-4+Api compared with IL-4.

h. ANA-1 macrophage cells were treated with 10 ng/ml IL-4, or 10ng/ml IL-4 Plus 7.5 μ M Api simultaneously for 24 hours. The mRNA level of CD206, Fizz1 and Ym1 was assayed by qRT-PCR. Data indicate fold induction (normalized by β -actin signal)

compared to control. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. IL-4 compared with con, IL-4+Api compared with IL-4.

i. ANA-1 macrophage cells were treated with 10 ng/ml IL-4, or 10ng/ml IL-4 Plus 7.5 μ M Api simultaneously for 24hours. Then, the surface marker of macrophage, MGL1/2, was assayed by FACS (left). All values are expressed as mean \pm SEM. Statistical analysis (right) is based on one-way ANOVA followed by a Dunnett's test. * $P < 0.05$, ** $P < 0.01$, IL-4 compared with con, IL-4+Api compared with LPS.

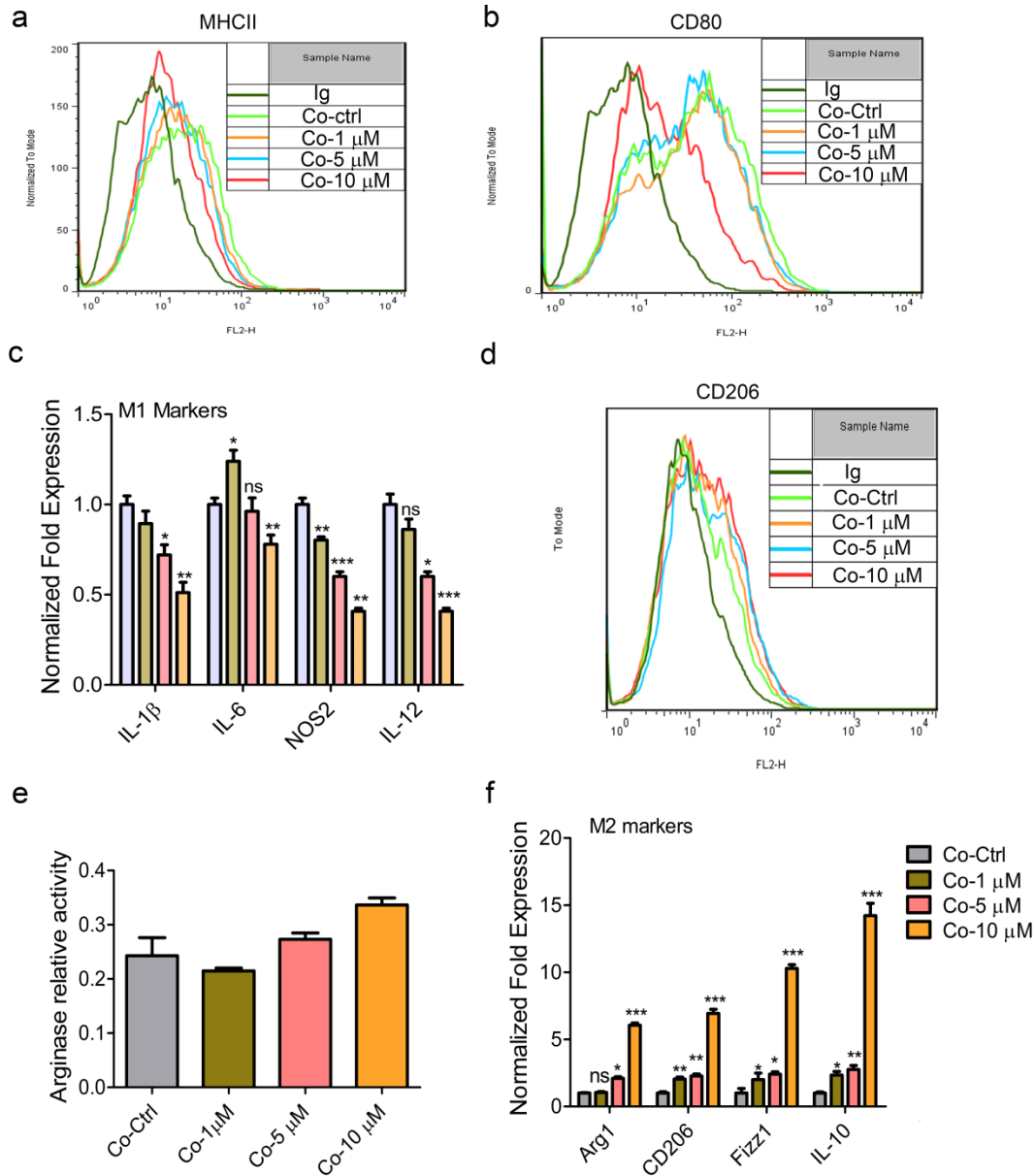


Figure S7. Api regulates the macrophage M1/M2 status in macrophage/adipocyte co-culture cell model.

a-b, d. 100, 000 ANA-1 cells were co-incubated with differentiated 3T3-L1 adipocytes for 2 days. Cultures were stimulated with Api (1 μM, 5 μM, 10 μM) for 24 hours, and then the expression of surface markers of macrophages was measured by flow cytometry. Representative flow cytometry images of macrophage hybridized with fluorescent antibody specific for mice MHCII, CD80 and CD206.

e. The relative activity of arginase in the cultures was examined. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test.

c and f. Relative mRNA expressions of IL-1 β , IL-6, NOS2, IL-12 (M1 markers) and Arg1, CD206, Fizz1, IL-10(M2 markers) in the cultural macrophages were measured by using qRT-PCR, and normalized to Co-Ctrl group and the level of β -actin. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$ compared with co-ctrl.

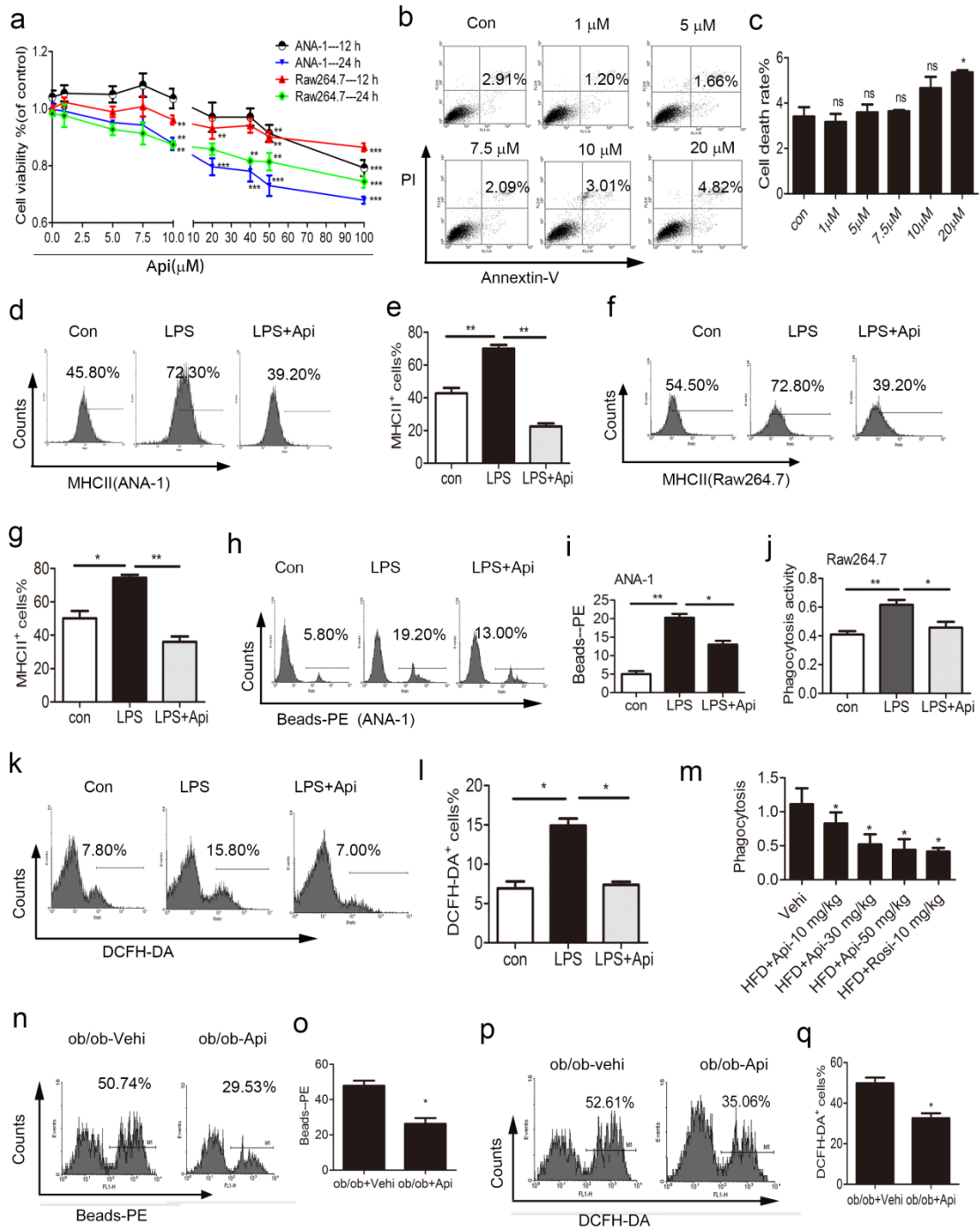


Figure S8. Api affected the biological functions of macrophages in vitro and in vivo.

a. The effect of various concentrations of Api (1-100 μM) on the viability of macrophages assayed by MTT method.

b. The apoptotic assay of macrophages affected by Api assayed by FITC-Annex and

PI staining.

c. The quantification of the FACS analysis. All values are expressed as mean \pm SEM.

Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * $P < 0.05$, ns, no significant difference, compared with con.

d-g. The expression of MHCII in ANA-1(D-E) and Raw264.7 cells assayed by FACS and (F-G) the quantification of the flow data. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. *** $P < 0.001$, LPS compared with con, LPS+Api compared with LPS.

h. The phagocytosis of ANA-1 cells examined by the uptake of microspheres and **(i)** the quantification of FACS analysis. All values are expressed as mean \pm SEM. Statistical analysis is based one-way ANOVA followed by a Dunnett's test. $p^* < 0.05$, ** $P < 0.01$, LPS compared with con, LPS+Api compared with LPS.

j. Raw264.7 cells by differential uptake of neutral red. All values are expressed as mean \pm SEM. Statistical analysis is based one-way ANOVA followed by a Dunnett's test. $P^* < 0.05$, ** $P < 0.01$, LPS compared with con, LPS+Api compared with LPS.

K. FACS analysis intracellular ROS levels of these macrophages and **(L)** the quantification of FACS analysis. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. $P^* < 0.05$, ** $P < 0.01$, LPS compared with con, LPS+Api compared with LPS.

m. The phagocytosis capability was detected by the differential uptake of neutral red by ATM from the indicated groups in the HFD mice. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test.

* $P < 0.05$, ns, no significant difference, compared with con.

n. The phagocytosis of ATM of ob/ob mice examined by the uptake of microspheres and (O) the quantification of FACS analysis. $n=9$ or 6 per group. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. $p^* < 0.05$ compared with vehicle.

p. FACS analysis intracellular ROS levels in the primary macrophages of ob/ob mice and (q) the quantification of FACS analysis by GraphPad prism 5.0. $n=9$ or 6 per group. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. $p^* < 0.05$ compared with vehicle.

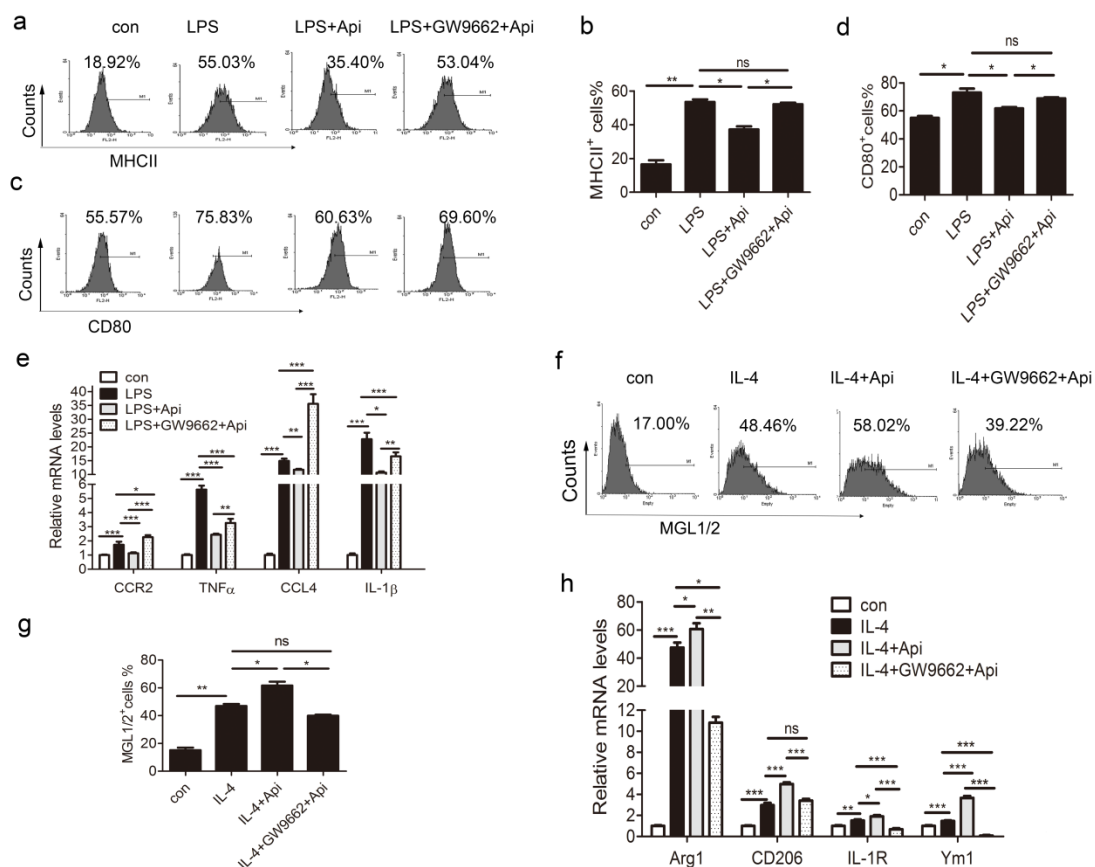


Figure S9. Api regulates M1/M2 status through activating PPAR γ .

a-b. ANA-1 cells were pre-incubated with 10 μ M GW9662 for 24 hours and then added the 7.5 μ M Api for another 24 hours, the non pre-incubated cells were normally

cultured or stimulated with 500ng/ml LPS at the presence or absence of 7.5 μ M Api for 24 hours as control groups. Surface expression of MHCII was assayed by FACS and quantified by GraphPad prism 5.0. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * P < 0.05, ** P <0.01, ns, no significant difference, compared with con.

c-d. ANA-1 cells were pre-incubate with 10 μ M GW9662 for 24 hours and then added the 7.5 μ M Api for another 24 hours, the non pre-incubated cells were normally cultured or stimulated with LPS at the presence or absence of 7.5 μ M Api for 24 hours as control groups. All values are expressed as mean \pm SEM. Surface expression of CD80 was assayed by FACS and quantified by GraphPad prism 5.0. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * P < 0.05, ** P <0.01, ns, no significant difference, compared with con.

e. Relative mRNA levels of CCR2, ITNF- α , CCL4 and L-1 β were measured by quantitative real-time RT-PCR and normalized to Con group and the level of β -actin. All values are expressed as mean \pm SEM. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * P < 0.05, ** P <0.01, ns, no significant difference, compared with con.

f-g. ANA-1 cells were pre-incubate with GW9662 for 24 hours and then added the Api for another 24 hrs, the non pre-incubated cells were normally cultured or stimulated with IL-4 at the presence or absence of Api for 24 hours as control groups. Surface expression of MGL1/2 was assayed by FACS and quantified by GraphPad prism 5.0. All values are expressed as mean \pm SEM. Statistical analysis is based on

one-way ANOVA followed by a Dunnett's test. * $P < 0.05$, ** $P < 0.01$, ns, no significant difference, compared with con.

h. Relative mRNA levels of surface markers, CD206, Arg1, Ym1 and IL-1r were measured by quantitative real-time PCR as described above and normalized to Con group and the level of β -actin. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, ns, no significant difference, compared with con.

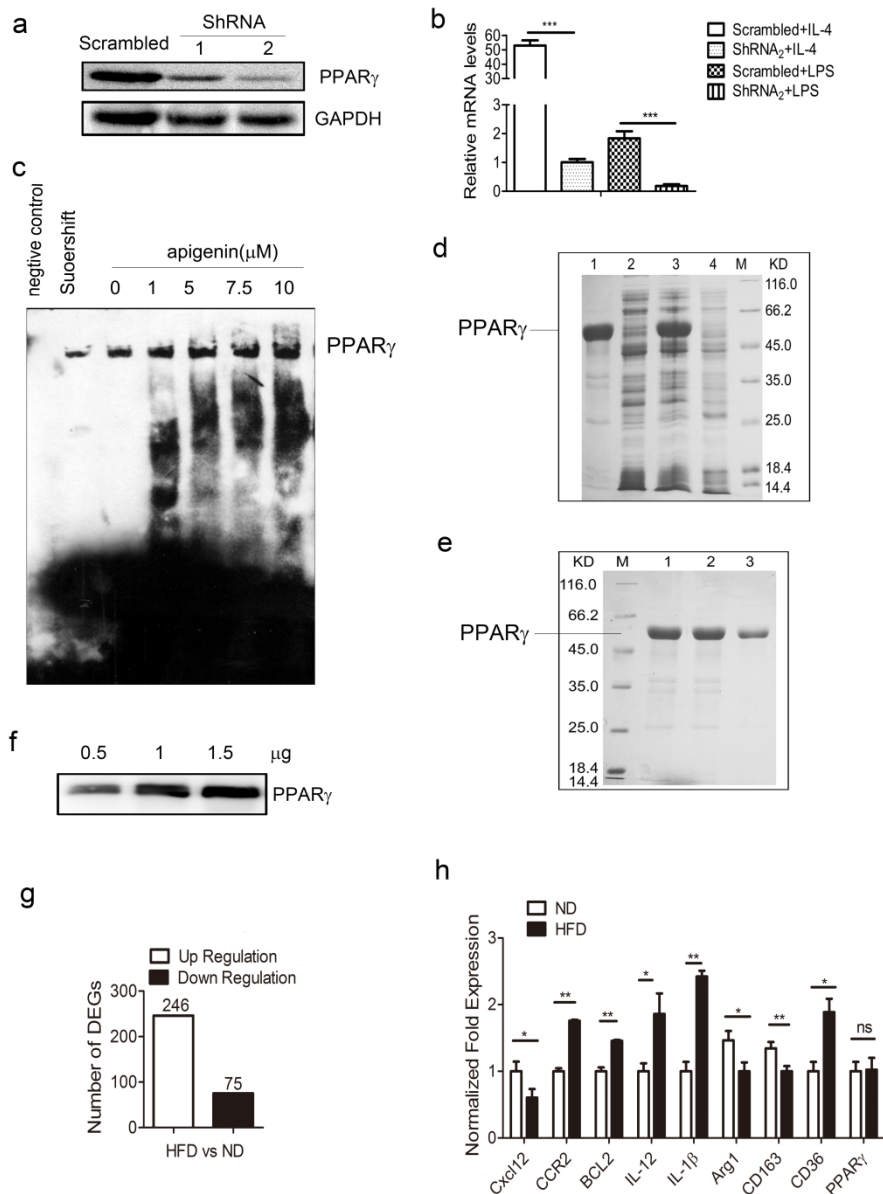


Figure S10. Identification of PPAR γ knock down, Api activates transcriptional activation of PPAR γ , the expression and identification of PPAR γ protein in bacteria and identification of RNA-Seq.

a. Western blotting assay.

b. qRT-PCR identifies the effect of PPAR γ shRNA knock down. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. *** $P < 0.001$, Compared with scrambled.

c. Api increases the transcriptional activation of PPAR γ assayed by EMSA.

d. The expression of PPAR γ -his in bacteria was staining with coomassie brilliant blue.

Lane M: Protein Marker, Lane 1: precipitate of 37 degree induction with 0.5mM IPTG, Lane 2: supernatant of 37 degree induction with 0.5mM IPTG, Lane 3: induced, Lane 4: un-induced.

e. The purification of PPAR γ -his and the identification assay by using coomassie brilliant blue staining, Lane M: protein marker, Lane 1: unpurified, Lane 2: Flow, Lane 3: Elution.

f. The identification of PPAR γ -his by using western blotting.

g. The differential genes in the peritoneal macrophages between HFD and ND mice.

h. qRT-PCR assay confirms the data of sequencing and the data was normalized to ND and the level of β -actin. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. * $P < 0.05$, ns, no significant difference, HFD compared with ND.

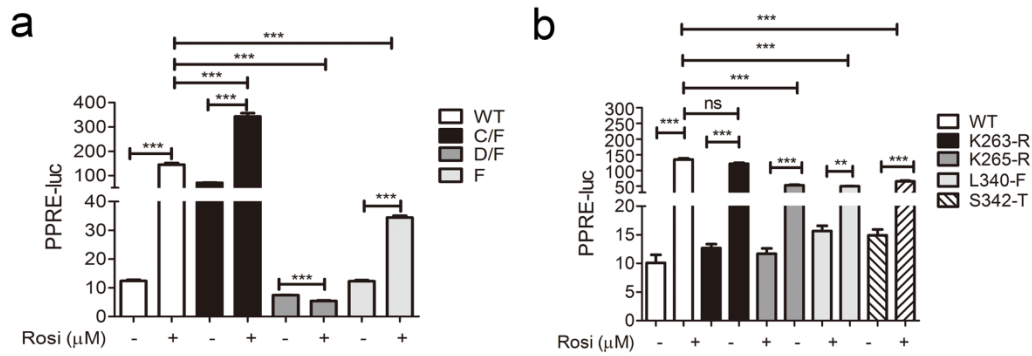


Figure S11. The effect of PPAR γ mutants on the Rosi activating PPAR γ

HER293T cells were transfected with pIRES-mPPAR γ truncated mutants/PPRE and pRL-control using Lipofectamine 2000. Then cells were pre-treated with 10 μ M Rosi for 24 hours. Luciferase activities were measured by using the Dual-Luciferase reporter assay system. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$ compared with 0 group.

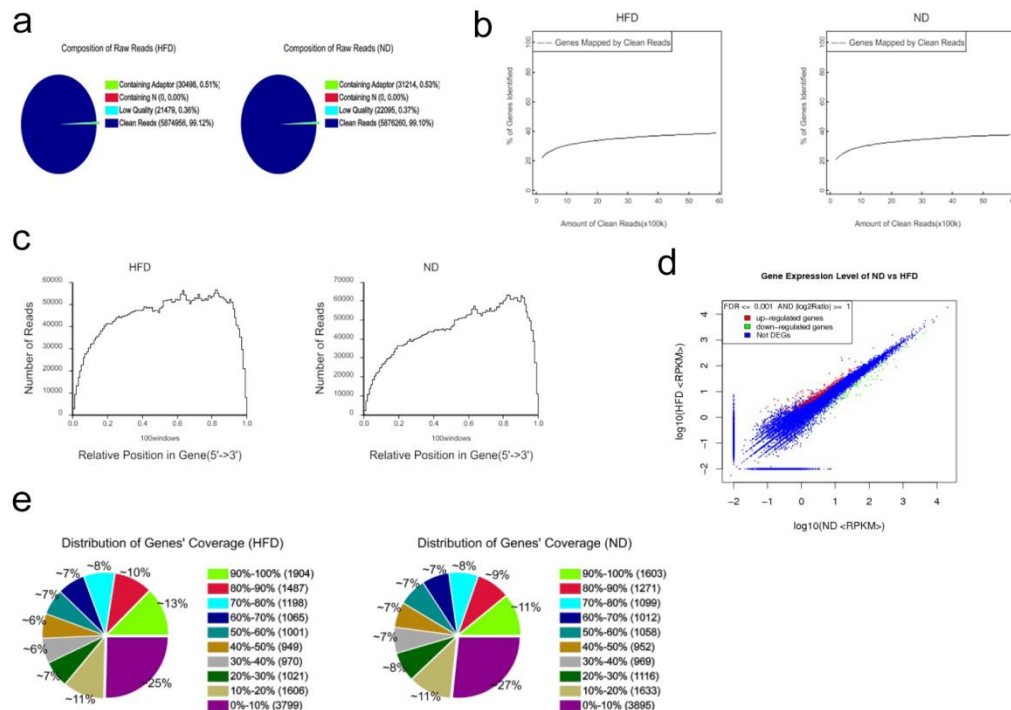


Figure S12. The number of reads, threshold, reproducibility and number of repeats

a. Composition of raw reads of ND and HFD sample

b. The amount of clean reads

c. The number of reads,

d. The gene expression level

e. The distribution of gene coverage

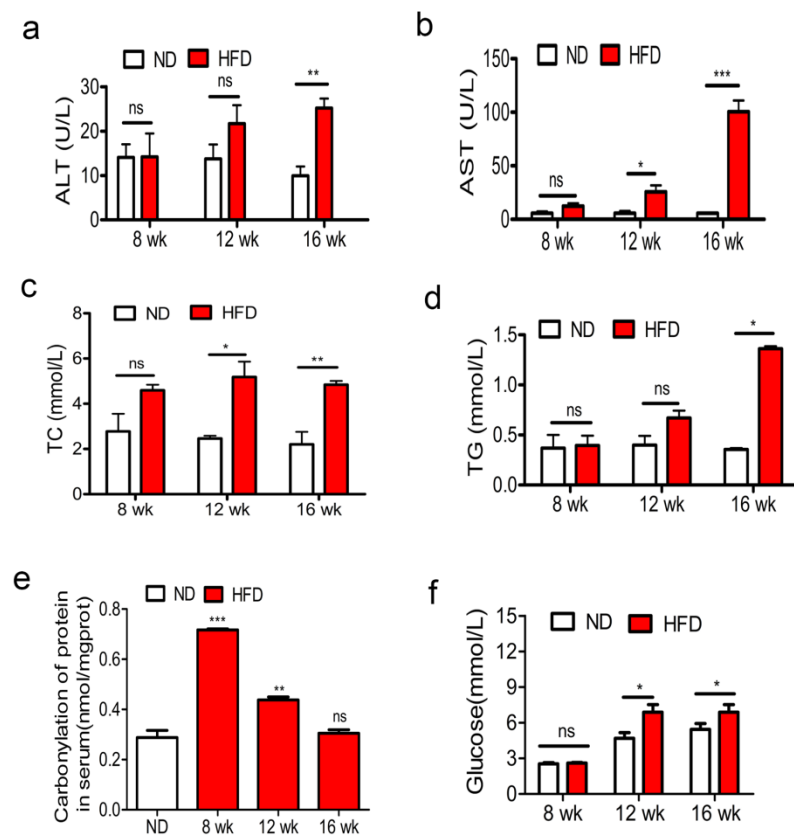


Figure S13. The progression of metabolic disorders along with the obesity.

a. ALT in the serum of HFD mice was significantly reduced with the development of obesity. $n=9$. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. ** $P < 0.01$ HFD compared with ND.

b. AST in the serum of HFD mice was significantly reduced with the development of obesity. $n=9$. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. * $P < 0.05$, *** $P < 0.001$, ns, no significant difference, HFD

compared with ND.

c. TC in serum of HFD mice was significantly increased with the development of obesity. n=9. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. * $P < 0.05$, ** $P < 0.01$, ns, no significant difference, HFD compared with ND.

d. TG in serum of HFD mice was significantly increased with the development of obesity. n=8 per group. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. * $P < 0.05$, ns, no significant difference, HFD compared with ND.

e. Carbonylation of protein in serum was significantly increased followed by the development of obesity. n=9. All values are expressed as mean \pm SEM. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. ** $P < 0.01$, *** $P < 0.001$, ns, no significant difference, HFD compared with ND.

f. Glucose in serum of HFD mice was significantly increased followed by the progression of obesity. n=9. All values are expressed as mean \pm SEM. Statistical analysis is based on the Student's t-test. * $P < 0.05$, ns, no significant difference, HFD compared with ND.

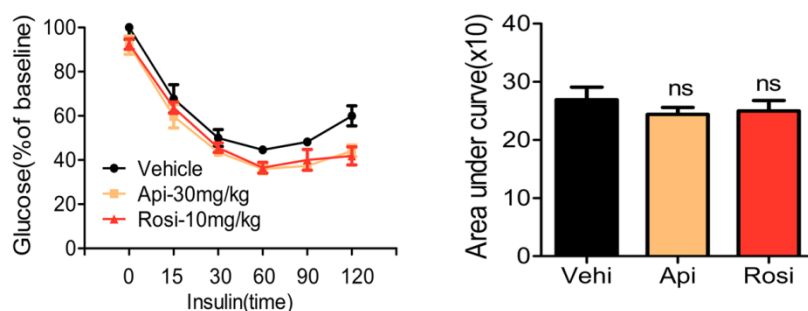


Figure S14. Insulin resistance test and the total area under the curve (AUC) in

HFD mice treated with vehicle, Api or rosiglatazone. n=8 per group. Statistical analysis is based on one-way ANOVA followed by a Dunnett's test. Ns, no significant difference, * $p < 0.05$ compared with vehicle group.

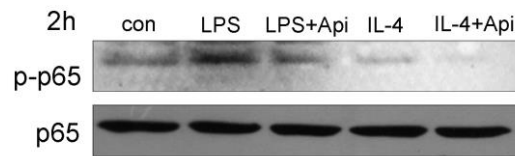


Figure S15. The effect of Api on the p65 phosphorylation in macrophage

ANA-1 macrophages were treated with 500ng/ml LPS, 10ng/ml IL-4, 500ng/ml LPS plus 7.5 μ M Api simultaneously or 10ng/ml IL-4 plus 7.5 μ M Api for 2 hr. The nuclei and cytoplasm proteins were lysed and subjected to western blotting.

Table s1: The genes associated with the growth and survival of cells

1.17044	3.702244	1.661349	Up	3.16E-09	8.30E-08	Bcl2	B-cell leukemia/lymphoma 2
4.884421	17.67829	1.855719	Up	3.71E-28	3.98E-26	Fchsd2	FCH and double SH3 domains 2
0.701365	2.478977	1.821506	Up	1.24E-05	0.000165	Gpr174	G protein-coupled receptor 174
1.812134	6.378468	1.81552	Up	2.79E-08	6.22E-07	Gata2	GATA binding protein 2
2.359214	8.117085	1.782655	Up	5.34E-07	9.50E-06	Gimap3	GTPase, IMAP family member 3
2.887522	9.046182	1.647477	Up	5.50E-07	9.74E-06	Traf3ip3	TRAF3 interacting protein 3
17.02403	46.52074	1.450302	Up	3.16E-27	3.22E-25	Cpeb4	cytoplasmic polyadenylation

							element binding
							protein 4
7.81391	19.15081	1.293289	Up	6.15E-15	3.13E-13	Mdm4	transformed mouse
							3T3 cell double
							minute 4
3.159698	7.633507	1.272559	Up	3.77E-07	6.91E-06	Gng2	guanine nucleotide
							binding protein (G
							protein), gamma 2
25.81388	60.66084	1.232618	Up	7.61E-40	1.25E-37	Vcam1	vascular cell adhesion
							molecule 1
9.20679	21.43515	1.219208	Up	5.24E-33	6.59E-31	Eif2c2	eukaryotic translation
							initiation factor 2C, 2
28.47223	66.1097	1.215307	Up	1.74E-19	1.26E-17	Faim3	Fas apoptotic
							inhibitory molecule 3
59.91064	137.1471	1.19484	Up	1.32E-52	2.63E-50	Fos	FBJ osteosarcoma
							oncogene
1.151441	2.464612	1.09792	Up	5.63E-06	8.10E-05	Atm	ataxia telangiectasia
							mutated homolog
							(human)
7.505227	15.68213	1.063154	Up	5.95E-10	1.73E-08	Elk4	ELK4, member of
							ETS oncogene family
2.888211	6.015486	1.058505	Up	2.08E-05	0.000263	Pou6f1	POU domain, class 6,
							transcription factor 1
3.365392	6.917189	1.039411	Up	1.17E-05	0.000157	Rrp12	ribosomal RNA
							processing 12
							homolog (S.
							cerevisiae)
4.509674	9.228989	1.03315	Up	4.42E-08	9.48E-07	Topbp1	topoisomerase (DNA)
							II binding protein 1

Table s2: The genes associated with insulin resistance

1.90423	6.325584	1.731991	Up	2.38E-26	2.31E-24	Cacna1e	calcium channel, voltage-dependent, R type, alpha 1E subunit
2.46296	7.742404	1.652388	Up	3.72E-10	1.11E-08	Lars2	leucyl-tRNA synthetase, mitochondrial
1.077649	3.292649	1.611361	Up	1.96E-05	0.000249	Plcg1	phospholipase C, gamma 1
1.885036	4.303831	1.191029	Up	2.39E-05	0.000299	Eif2ak4	eukaryotic translation initiation factor 2 alpha kinase 4
3.583933	7.955381	1.150387	Up	5.65E-09	1.42E-07	Dennd4c	DENN/MADD domain containing 4C
3.353668	7.210831	1.104426	Up	5.16E-07	9.19E-06	Med23	mediator complex subunit 23
3.533878	7.396029	1.065498	Up	6.63E-07	1.16E-05	Inpp11	inositol polyphosphate phosphatase-like 1
3.563935	7.393734	1.052832	Up	8.56E-06	0.000118	Arrdc3	arrestin domain containing 3
5.310088	10.66187	1.005652	Up	1.58E-16	9.03E-15	Arhgef12	Rho guanine nucleotide exchange factor (GEF) 12

Table s3: The genes associated with the activation of T cells

0.089821	2.243011	4.64224	Up	4.23E-07	7.70E-06	Cd8a	CD8 antigen, alpha chain
0.39709	4.958068	3.64224	Up	3.07E-06	4.73E-05	Cd8b1	CD8 antigen, beta chain 1
0.262502	2.949842	3.490237	Up	4.57E-10	1.36E-08	Itk	IL2-inducible T-cell kinase
0.66938	5.12617	2.936984	Up	4.98E-05	0.000573	Lat	linker for activation of T cells
0.391559	5.084575	3.698824	Up	1.65E-06	2.66E-05	Cd3e	CD3 antigen, epsilon polypeptide
1.57817	5.930279	1.909848	Up	2.82E-09	7.51E-08	Spn	sialophorin
0.590984	1.8553	1.650461	Up	6.65E-05	0.000741	Nfatc2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
5.107078	11.95319	1.226826	Up	6.32E-14	2.95E-12	Fam65b	family with sequence similarity 65, member B
2.308749	5.007672	1.117029	Up	9.20E-05	0.000987	Nkap	NFKB activating protein

Table s4: The genes associated with inflammation

5.750768	13.99675	1.283265	Up	3.95E-11	1.30E-09	Tlr9	toll-like receptor 9
59.91064	137.1471	1.19484	Up	1.32E-52	2.63E-50	Fos	FBJ osteosarcoma oncogene
2.308749	5.007672	1.117029	Up	9.20E-05	0.000987	Nkap	NFKB activating protein
9.374794	19.14479	1.030093	Up	1.10E-08	2.63E-07	Map4k1	mitogen-activated protein kinase kinase kinase kinase 1
45.20528	90.77327	1.005776	Up	1.19E-23	1.04E-21	Klf2	Kruppel-like factor 2 (lung)
1411.941	547.0281	-1.36799	Down	0	0	Il10	interleukin 10
623.7515	87.24827	-2.83777	Down	0	0	Tnf	tumor necrosis factor
226.6596	28.974	-2.9677	Down	0	0	Serpine1	serine (or cysteine) peptidase inhibitor, clade E, member 1
23.18139	6.615839	-1.80897	Down	8.98E-14	4.08E-12	Ifi205	interferon activated gene 205
1.884181	0.54481	-1.79011	Down	8.88E-05	0.000958	Cxcl12	chemokine (C-X-C motif) ligand 12

Table s5: The primers used in this paper

CD206-F	5'-GCA GGT GGT TTA TGG G AT GT-3';
CD206-R	5'-GGG TTC AGG AGT TGT TGTGG-3';
Ym1-F	5'-AGA AGG GAG TTT CAA ACC TGG T-3';
Ym1-R	5'-GTC TTG CTC ATG TGT GTA AGT GA-3';
β -Actin-F	5'-GCT CTG GCT CCT AGC ACC-3';
β -Actin-R	5'-CCA CTA TCC ACA CAG AGT ACT TG-3';
Arg1-F	5'-AAG ACA GCA GAG GAG GTG-3';
Arg1-R	5'-AGT CAG TCC CTG GCT TAT-3';
CCL3-F	5'-TGA GAG TCT TGG AGG CAG CGA-3';
CCL3-R	5'-TGTGGCTACTTGGCAGCAAACA-3'
IL-12 β -F	5'-GAAAGACCCTGACCATCACT -3';
IL-12 β -R	5'-CTT CTC TGC AGA CAG AGAC-3'
CD36-F	5'-AAG CTA TTG CGA CAT GATT-3';
CD36-R	5'-GAT CCG AAC ACA GCG TAG AT-3'
PPAR γ -F	5'-GGAAGACCACTCGCATTCCTT-3'
PPAR γ -R	5'-TCGCACTTTGGTATTCTTGGAG-3'
CCR2-F	5'-ATGCAAGTTCAGCTGCCTGC-3'
CCR2-R	5'-ATGCCGTGGATGAACTGAGG-3'
Ym1-F	5':GGGCATACCTTTATCCTGAG-3'
Ym1-R	5':CCACTGAAGTCATCCATGTC-3'
NOS2-F	5':GCTTCTGGTCGATGTCATGAG-3'
NOS2-R	5':TCCACCAGGAGATGTTGAAC-3'
IL-1 β -F	5':GTGTGGATCCAAAGCAATAC-3'
IL-1 β -R	5':GTCTGCTCATTCATGACAAG-3'
CD163-F	5':GAGCATGAATGAAGTGTC-3'
CD163-R	5':TGCTGAAGTTGTCGTCACAC-3'
MMP9-F	5':TGAATCAGCTGGCTTTTGTG-3'

MMP9-R	5':GTGGATAGCTCGGTGGTGT-3'
TNF α -F	5'-AATGGCCTCCCTCTCATCAGTT-3'
TNF α -R	5'-CCACTTGGTGGTTTGCTACGA-3'
IL-6-F	5'-GATGCTACCAAAGTGGATATAATC-3'
IL-6-R	5'-GGTCCTTAGCCACTCCTTCTGTG-3'
Bcl2 F	5'-GATGACTTCTCTCGTCGCTACC-3'
BCL2 R	5'-CATCCCTGAAGAGTTCCTCCAC-3'
CXCL10-F	5'-TCTGAGTCCTCGCTCAAGTG-3'
CXCL10-R	5'-CCTTGGGAAGATGGTGGTTA-3'
CXCL12-F	5'-GCTCTGCATCAGTGACGGTA-3'
CXCL12-R	5'-TAATTACGGGTCAATGCACA-3'
IL-10-F	5'-CGGGAAGACAATAACTG-3'
IL-10-R	5'-CATTTCCGATAAGGCTTGG-3'
IL-1r-F	5'-AAGGATGTGGTGAAGGGTAAC-3'
IL-1r-R	5'-CTCACAGTGGGATGCGTTTC-3'
CCL4-F	5'-AACACCATGAAGCTCTGCGT-3'
CCL4-R	5'-AGAAACAGCAGGAAGTGGGA-3'
K263R F	5'GATGGGAGAAGATAAAATCCGGTTCAAACACATCACCCCC 3'
K263R R	5'GGGGGTGATGTGTTTGAACCGGATTTTATCTTCTCCCATC 3'
K265R F	5'GAAGATAAAATCAAGTTCGACACATCACCCCCCTGCAG 3'
K265R R	5'CTGCAGGGGGGTGATGTGTCGGAACCTTGATTTTATCTTC 3'
L340F F	5' GATGAATAAAGATGGGGTTTTTCATATCCGAGGGCCAAGG 3'
L340F R	5' CCTTGGCCCTCGGATATGAAAACCCCATCTTTATTCATC 3'
S342T F	5' GATGGGGTTCTCATAACCGAGGGCCAAGGC 3'
S342T R	5' GCCTTGGCCCTCGGTTATGAGAACCCCATC 3'
L340F-342F	5' GATGGGGTTTTTCATAACCGAGGGCCAAGGC 3'
L340F-342R	5' GCCTTGGCCCTCGGTTATGAAAACCCCATC 3'
L340F-263 F	5' GATGGGAGAAGATAAAATCCGGTTCAAACACATCACCCCC 3'
L340F-263 R	5' GGGGGTGTGTTTGAACCGGATTTTATCTTCTCCCATC 3'

L340F-265 F	5' GAAGATAAAATCAAGTTCCGACACATCACCCCCCTGCAG 3'
L340F-265 R	5' CTGCAGGGGGGTGATGTGTCGGAACCTTGATTTTATCTTC 3'
S342T-263 F	5' GATGGGAGAAGATAAAATCCGGTTCAAACACATCACCCCC 3'
S342T-263 R	5' GGGGGTGATGTGTTTGAACCGGATTTTATCTTCTCCCATC 3'
S342T-265 F	5'GAAGATAAAATCAAGTTCCGACACATCACCCCCCTGCAG 3'
S342T-265 R	5'CTGCAGGGGGGTGATGTGTCGGAACCTTGATTTTATCTTC 3'
L263R-265 F	5'GAAGATAAAATCCGGTTCCGACACATCACCCCCCTGC 3'
L263R-265 R	5'GCAGGGGGGTGATGTGTCGGAACCGGATTTTATCTTC 3'
LL/RR-340 F	5'GATGAATAAAGATGGGGTTTTTCATATCCGAGGGCCAAG 3'
LL/RR-340 R	5'CTTGGCCCTCGGATATGAAAACCCCATCTTTATTCATC 3'
LL/RR-342 F	5' GATGGGGTTCTCATAACCGAGGGCCAAGGC 3'
LL/RR-342 R	5' GCCTTGGCCCTCGGTTATGAGAACCCCATC 3'
LS/FT-263 F	5'GATGGGAGAAGATAAAATCCGGTTCAAACACATCACCCCC 3'
LS/FT-263 R	5'GGGGGTGATGTGTTTGAACCGGATTTTATCTTCTCCCATC 3'
LS/FT-265 F	5'GAAGATAAAATCAAGTTCCGACACATCACCCCCCTGCAG 3'
LS/FT-265 R	5'CTGCAGGGGGGTGATGTGTCGGAACCTTGATTTTATCTTC 3'
KKL/RRF F	5' GATGGGGTTTTTCATAACCGAGGGCCAAGGC 3'
KKL/RRF R	5' GCCTTGGCCCTCGGTTATGAAAACCCCATC 3'
IL-6-F	5'-GAT GCT ACC AAA CTG GAT ATA ATC-3' ;
IL-6-R	5'-GGT CCT TAG CCA CTC CTT CTG TG-3' ;
PPAR γ 2-F	5'-GCC CTC GAG ATG TAC CCA TAC GAC GTC CCA GAC TAC GCT ATG GGT GAA ACT CTG GG-3' ;
PPAR γ 2-R	5'-CCC GGT ACC CTA ATA CAA GTC CTT GTA GAT CTC C-3' ;
PPAR γ 2-DBD-AF2F	5'-GCC CTC GAG ATG TAC CCA TAC GAC GTC CCA GAC TAC GCT GAG TGC CGA GTC TGT GGG GAT AAA G-3' ;
PPAR γ 2-DBD-AF2-R	5'-CCC GGT ACC CTA ATA CAA GTC CTT GTA GAT CTC C-3' ;
PPAR γ 2-hinge-AF2-F	5'-GCC CTC GAG ATG TAC CCA TAC GAC GTC CCA GAC TAC GCT GGG CGG ATG CCA CAG GCC GAG AAG G-3' ;
PPAR γ 2-hinge-AF2-R	5'-CCC GGT ACC CTA ATA CAA GTC CTT GTA GAT CTC C-3' ;

PPAR γ 2-LBD-F	5'-GCCCTCGAGATGTACCCATACGACGTCCCAGACTACGCTGCCGTGCAAG AGA TCA C-3' ;
PPAR γ 2-LBD-R	5'-CCC GGT ACC CTA ATA CAA GTC CTT GTA GAT CTC C-3'

Table s6 : All genes in the RNA Seq

GeneID	Length	HFD_Uniq_reads_num(3560937)	HFD_Coverage	HFD_RPKM	ND_Uniq_reads_num(3556951)	ND_Coverage	ND_RPKM	Symbol
14268	8312	126089	97.92%	4259.978	122628	97.32%	4147.689	Fn1
17105	1057	68187	95.65%	18116	78277	95.65%	20820.03	Lyz2
96875	4278	52701	90.98%	3459.504	64931	92.03%	4267.106	Prg4
18788	2007	33126	99.70%	4635.081	55120	99.65%	7721.185	Serpib2
11816	1266	26943	98.42%	5976.514	32634	96.76%	7247.008	Apoe
236598	4730	26030	94.31%	1545.428	8112	91.99%	482.1575	Rn28s1
14319	866	25353	99.19%	8221.426	30360	99.65%	9856.12	Fth1
21825	5802	24302	37.04%	1176.251	18944	37.07%	917.9438	Thbs1
56193	4117	20938	99.37%	1428.203	27091	99.37%	1849.977	Plek
20568	894	17800	81.43%	5591.37	14500	81.43%	4559.871	Slpi
18412	2000	15118	99.60%	2122.756	12820	99.60%	1802.105	Sqstm1
gi 118131153 ref NM_007798.2	4738	14973	83.39%	887.4614	16407	83.41%	973.5455	-
56619	2519	14596	99.05%	1627.202	16632	99.29%	1856.258	Clec4e
12475	1497	14189	99.73%	2661.74	18423	99.53%	3459.877	Cd14
17110	1282	14084	96.41%	3085.132	19583	97.04%	4294.507	Lyz1
16149	1431	13005	99.58%	2552.151	10131	99.37%	1990.375	Cd74
19225	4150	12940	99.98%	875.6325	15149	99.98%	1026.261	Ptgs2
16181	2480	12208	98.87%	1382.384	11325	99.64%	1283.833	Il1rn
16409	4682	11938	99.25%	716.0377	12947	99.34%	777.4274	Itgam
13058	4752	11720	99.56%	692.607	12342	98.91%	730.1822	Cybb
13629	3126	11414	97.63%	1025.3	9810	97.63%	882.2	Eef2

				79			713	
13627	1790	11389	53.80%	1786.7 68	11475	54.64%	1802. 278	Eef1a1
19156	2676	11241	97.94%	1179.6 54	9706	97.46%	1019. 709	Psap
286940	9083	10726	99.24%	331.62 27	10650	98.87%	329.6 419	Flnb
11687	2414	10431	99.96%	1213.4 57	15934	99.67%	1855. 708	Alox15
20210	531	10109	99.81%	5346.2 52	15795	99.81%	8362. 714	Saa3
16414	2862	9567	99.69%	938.73 25	10753	99.30%	1056. 287	Itgb2
13601	1900	9466	98.63%	1399.1	12586	99.26%	1862. 328	Ecm1
319269	3365	9412	70.70%	785.47 53	10665	70.85%	891.0 415	A130040 M12Rik
11461	1889	9243	98.04%	1374.0 95	10068	98.15%	1498. 419	Actb
11303	10260	8993	99.80%	246.14 61	5614	98.67%	153.8 322	Abca1
14964	1736	8944	83.76%	1446.8 31	9689	83.81%	1569. 103	H2-D1
13033	1979	8943	98.74%	1269.0 34	9684	99.49%	1375. 723	Ctsd
12010	858	8777	98.37%	2872.7 28	9376	98.14%	3072. 221	B2m
18636	1524	8656	99.41%	1595.0 27	10042	99.41%	1852. 496	Cfp
20310	1083	8258	98.34%	2141.3 23	18691	98.52%	4852. 06	Cxcl2
19073	938	7723	99.89%	2312.1 65	10094	99.89%	3025. 398	Srgn
16175	1974	7598	99.24%	1080.9 06	16782	99.34%	2390. 114	Il1a
17159	4326	7564	80.17%	491.02 17	7771	83.84%	505.0 246	Man2b1
22041	2332	7442	99.87%	896.18 33	9724	99.66%	1172. 299	Trf
14325	986	7419	36.31%	2113.0 23	8637	37.83%	2462. 681	Ft11
14824	2348	7215	97.06%	862.92 68	7203	92.72%	862.4 57	Grn

18458	2842	7106	98.56%	702.16 12	7428	98.94%	734.8 013	Pabpc1
11988	7731	6864	98.69%	249.33 16	5449	98.23%	198.1 542	Slc7a2
22352	1834	6854	99.45%	1049.4 95	7759	98.85%	1189. 402	Vim
14828	2616	6324	99.39%	678.87 5	6931	97.06%	744.8 696	Hspa5
16792	2402	6317	62.95%	738.53 93	7787	63.24%	911.4 215	Laptm5
12491	3566	6266	91.33%	493.45 18	5776	92.51%	455.3 737	Cd36
16412	4194	6070	94.49%	406.43 96	6146	94.47%	411.9 896	Itgb1
14825	964	6002	98.03%	1748.4 56	13594	99.38%	3964. 536	Cxcl1
12260	1062	5951	99.72%	1573.6 25	8585	99.72%	2272. 678	C1qb
23849	4217	5922	97.42%	394.36 7	9096	99.26%	606.4 136	Klf6
1E+08	2774	5830	48.99%	590.19 81	8327	50.97%	843.9 257	Gm2251
12262	1063	5791	99.34%	1529.8 75	7909	99.25%	2091. 753	C1qc
13733	3245	5707	99.41%	493.88 85	6222	99.04%	539.0 604	Emr1
20308	3008	5661	98.17%	528.50 74	5018	97.44%	469.0 023	Ccl9
72289	6982	5486	97.26%	220.65 39	5479	97.05%	220.6 193	Malat1
12259	1082	5466	97.60%	1418.6 59	8015	99.08%	2082. 564	C1qa
12702	2742	5411	94.16%	554.17 35	9669	97.52%	991.3 71	Socs3
15516	2507	5366	99.60%	601.07 97	5612	99.56%	629.3 402	Hsp90ab 1
26943	3694	5285	95.99%	401.77 58	4597	96.81%	349.8 644	Serinc3
66395	18099	5268	81.36%	81.738 54	5752	71.96%	89.34 832	Ahnak
67760	4645	5258	99.70%	317.88 54	5025	99.33%	304.1 392	Slc38a2
15982	1836	5216	98.31%	797.81 21	6988	99.07%	1070. 046	Ifrd1

17474	1336	5178	97.60%	1088.4 07	6326	98.35%	1331. 205	Clec4d
15481	2104	5072	91.87%	676.96 97	5442	91.54%	727.1 683	Hspa8
14728	1420	5001	83.73%	989.01 81	6775	85.99%	1341. 353	Lilrb4
14972	1669	4946	94.67%	832.21 11	5236	95.93%	881.9 936	H2-K1
246707	3910	4847	99.77%	348.12 24	6244	99.85%	448.9 606	Emilin2
103784	3431	4846	40.31%	396.64 17	8987	27.51%	736.4 04	Wdr92
18033	4128	4790	92.66%	325.86 04	5438	90.41%	370.3 579	Nfkb1
16783	2265	4741	93.20%	587.81 07	4965	97.22%	616.2 73	Lamp1
gi 47271503 ref N M_007471.2	3140	4736	99.04%	423.56 27	5284	99.24%	473.1 025	-
29875	7377	4714	99.24%	179.45 08	2966	98.29%	113.0 351	Iqgap1
67891	1422	4701	91.42%	928.38 13	5100	93.95%	1008. 307	Rpl4
24136	9113	4691	95.82%	144.55 72	4118	95.86%	127.0 419	Zeb2
14694	1254	4620	97.05%	1034.6 18	4694	95.06%	1052. 368	Gnb2l1
13040	1373	4475	96.80%	915.28 89	5257	98.54%	1076. 439	Ctss
12317	1943	4457	96.19%	644.17 75	4830	96.24%	698.8 701	Calr
20363	2096	4451	92.51%	596.35 11	3702	92.51%	496.5 549	Sepp1
22228	4133	4444	65.50%	301.95 65	4455	61.72%	303.0 431	Ucp2
53378	2553	4367	98.82%	480.36 14	4324	99.22%	476.1 645	Sdcbp
gi 21450276 ref N M_144900.1	3686	4366	97.23%	332.63 21	3945	96.42%	300.8 942	-
17698	3840	4338	99.64%	317.24 44	3737	99.61%	273.5 987	Msn
75547	12543	4305	84.28%	96.384 55	3853	74.61%	86.36 141	Akap13
12508	2802	4283	87.37%	429.25 53	4539	85.76%	455.4 222	Cd53

22695	1765	4196	99.83%	667.61 56	5067	99.83%	807.1 018	Zfp36
13690	7760	4181	80.91%	151.30 53	3740	76.11%	135.4 977	Eif4g2
12983	4776	4165	91.69%	244.89 87	3212	91.50%	189.0 747	Csf2rb
20305	1436	4140	99.30%	809.62 07	3197	94.78%	625.9 077	Ccl6
18858	1801	4140	99.28%	645.53 88	4654	99.28%	726.4 986	Pmp22
12978	3875	4125	95.64%	298.94 27	4539	95.95%	329.3 143	Csf1r
14960	1084	4034	98.43%	1045.0 63	3135	98.80%	813.0 746	H2-Aa
15368	1634	4025	94.55%	691.75 06	3694	97%	635.5 752	Hmox1
16432	1773	3980	99.21%	630.39 11	4601	98.98%	729.5 677	Itm2b
320207	4363	3956	99.43%	254.62 84	3766	98.35%	242.6 706	Pik3r5
108078	3581	3933	99.02%	308.42 91	6208	99.11%	487.3 82	Olr1
13207	3520	3924	89.12%	313.05 6	4405	88.92%	351.8 239	Ddx5
21938	4913	3899	99.55%	222.86 52	4109	99.67%	235.1 319	Tnfrsf1b
20970	4972	3887	98.41%	219.54 28	3873	98.89%	218.9 972	Sdc3
13618	3989	3864	98.42%	272.02 5	3893	98.45%	274.3 737	Ednrb
24088	2874	3852	97.98%	376.38 75	6200	99.13%	606.4 947	Tlr2
17254	2813	3847	78.53%	384.05 03	4178	76.79%	417.5 619	Slc3a2
20442	5784	3843	97.96%	186.58 55	3576	99%	173.8 166	St3gal1
12505	5654	3776	92.55%	187.54 78	3970	94.39%	197.4 044	Cd44
102442	8655	3754	96.63%	121.80 44	2964	97.33%	96.27 937	Dennd4a
11801	2037	3729	98.92%	514.08 75	4464	98.97%	616.1 058	Cd51
19025	3674	3723	73.24%	284.57 03	3815	70.96%	291.9 292	Ctsa

15519	2850	3713	94.18%	365.86 07	4786	96.11%	472.1 173	Hsp90aa 1
21894	8560	3693	96.95%	121.15 5	3983	96.33%	130.8 153	Tln1
67972	7130	3680	97.87%	144.94 19	3042	97%	119.9 477	Atp2b1
21346	1382	3653	98.55%	742.29 64	4276	98.12%	869.8 648	Tagln2
21452	2061	3625	94.47%	493.93 04	4043	94.76%	551.5 03	Tcn2
21817	3549	3607	99.18%	285.41 44	3093	98.48%	245.0 169	Tgm2
67300	6178	3578	99.26%	162.64 03	3068	99.35%	139.6 142	Cltc
21929	4437	3577	96.89%	226.39 42	5026	98.69%	318.4 602	Tnfaip3
gi 110625993 ref NM_007972.3	2043	3521	99.90%	483.98 66	4976	98.83%	684.7 533	-
gi 255918222 ref NM_008416.2	1807	3442	97.73%	534.91 95	5490	99.23%	854.1 543	-
56722	2240	3439	98.35%	431.14 15	3736	98.21%	468.9 008	Litaf
13681	1897	3431	91.72%	507.91 27	4571	91.67%	677.4 325	Eif4a1
18453	2538	3423	99.61%	378.74 86	3514	97.12%	389.2 533	P4hb
12522	2163	3414	96.72%	443.24 38	2503	95.15%	325.3 317	Cd83
21928	3590	3411	97.83%	266.82 28	4002	99.25%	313.4 042	Tnfaip2
20963	5148	3393	98.83%	185.08 92	2500	98.47%	136.5 286	Syk
60533	3653	3366	98.25%	258.76 18	2507	97.92%	192.9 42	Cd274
20620	2802	3279	99.25%	328.63 14	3235	98.97%	324.5 849	Plk2
16176	1328	3277	99.77%	692.96 94	5903	99.77%	1249. 674	Il1b
1E+08	485	3275	98.35%	1896.2 92	4469	98.56%	2590. 543	Wfdc17
13730	2721	3273	98.35%	337.79 5	3571	92.91%	368.9 635	Emp1
29876	4065	3267	97.66%	225.69 62	3186	97.66%	220.3 471	Clic4

13010	748	3253	99.20%	1221.288	4289	99.47%	1612.043	Cst3
20302	804	3229	96.14%	1127.841	5218	97.76%	1824.61	Ccl3
gi 120444899 ref NR_003278.1	1870	3223	87.33%	484.0101	885	87.06%	133.0527	-
26570	9227	3215	97.54%	97.84895	2605	97.86%	79.37237	Slc7a11
20288	3643	3195	97.56%	246.2904	3410	97.94%	263.1585	Msr1
11911	1749	3187	88.11%	511.7148	4059	85.93%	652.4562	Atf4
57319	1791	3182	97.26%	498.9308	3347	98.05%	525.3905	Smpd3a
17246	3027	3170	97.36%	294.0916	4947	97.69%	459.4641	Mdm2
20397	4133	3152	97.94%	214.169	2640	97.56%	179.5811	Sgp11
235442	4751	3100	98.04%	183.2367	3608	97.92%	213.5028	Rab8b
16971	14907	3094	93.93%	58.2862	2945	86.93%	55.54144	Lrp1
14827	2658	3091	75.77%	326.5726	3299	76.19%	348.939	Pdia3
18830	1806	3083	85.16%	479.3928	2558	84.88%	398.2034	Pltp
21858	3635	3081	96.45%	238.0252	3482	96.23%	269.3063	Timp2
18035	1592	3068	95.67%	541.1878	6579	95.67%	1161.82	Nfkbia
gi 6755455 ref NM_011347.1	3075	3065	83.48%	279.9117	4250	83.54%	388.567	-
23872	3560	3041	98.88%	239.8845	3717	99.07%	293.5382	Ets2
232341	10575	3014	92.37%	80.03843	2243	88.66%	59.63085	Wnk1
17476	4348	3013	98.16%	194.6011	2956	98.53%	191.1336	Mpeg1
18712	1769	2957	98.36%	469.4174	3819	99.21%	606.9375	Pim1
55985	1162	2944	99.57%	711.4877	3353	98.54%	811.2403	Cxcl13
192176	8371	2914	98.06%	97.75701	2385	94.91%	80.10012	Flna

11837	1360	2895	63.97%	597.78 55	2990	61.54%	618.0 938	Rplp0
17158	6091	2889	99.16%	133.19 71	2998	97.77%	138.3 774	Man2a1
14727	1305	2883	82.38%	620.39 72	3669	82.38%	790.4 225	Gp49a
18024	2469	2880	94.29%	327.57 23	2814	93.97%	320.4 241	Nfe212
13039	1971	2864	95.54%	408.05 82	2740	90.36%	390.8 283	Cts1
50778	1343	2857	95.38%	597.40 65	3120	97.24%	653.1 316	Rgs1
26364	3253	2828	94.10%	244.13 56	2715	94.13%	234.6 432	Cd97
80719	2133	2816	99.81%	370.74 69	3773	99.86%	497.2 996	Igsf6
20556	1684	2811	98.28%	468.76 42	4618	99.64%	770.9 638	Slfn2
75612	3855	2807	98.70%	204.48 14	2035	97.54%	148.4 097	Gns
16451	5299	2776	91.26%	147.11 65	2197	90.77%	116.5 623	Jak1
22027	2759	2770	99.42%	281.94 46	2713	99.35%	276.4 523	Hsp90b1
19141	1874	2766	99.79%	414.49 4	2278	99.89%	341.7 482	Lgmn
16784	3603	2763	97.95%	215.35 37	3040	98.64%	237.2 092	Lamp2
216799	4021	2748	96.72%	191.91 92	4374	97.56%	305.8 207	Nlrp3
17069	2281	2740	70.14%	337.33 47	2529	66.07%	311.7 064	Ly6e
20020	5799	2729	99.59%	132.15 58	2027	96.74%	98.27 041	Polr2a
20658	8451	2708	99.07%	89.986 27	2412	99.03%	80.24 007	Son
15211	1865	2703	98.61%	407.00 8	3053	99.14%	460.2 249	Hexa
19261	4007	2701	98.43%	189.29 58	2102	95.26%	147.4 808	Sirpa
17164	2586	2661	98.18%	288.96 95	2948	98.99%	320.4 949	Mapkapk 2
329679	7095	2635	96.25%	104.29 51	2389	97.45%	94.66 422	Fnip2

105727	7752	2631	96.36%	95.310 95	2224	94.13%	80.65 72	Slc38a1
353310	3320	2629	99.58%	222.37 62	3114	99.55%	263.6 955	Zfp703
14182	5008	2606	97.44%	146.13 22	2945	98.32%	165.3 267	Fgfr1
17210	3498	2600	50.20%	208.73 21	3414	50.31%	274.3 885	Mcl1
54446	13451	2596	97.08%	54.198 32	1730	90.98%	36.15 877	Nfat5
19271	7634	2574	85.29%	94.687 38	2444	83.93%	90.00 594	Ptprj
12514	1008	2565	97.72%	714.59 92	3096	99.70%	863.5 004	Cd68
gi 133892386 ref NM_009438.4	803	2559	98.75%	894.93 29	2477	98.75%	867.2 266	-
70834	7365	2552	97.34%	97.306 9	2464	95.47%	94.05 677	Spag9
12524	2539	2547	97.48%	281.70 98	2197	97.76%	243.2 705	Cd86
16153	1306	2544	98.47%	547.02 81	6559	98.55%	1411. 941	Il10
65221	2345	2543	96.89%	304.53 64	2687	97.10%	322.1 417	Slc15a3
240354	5008	2538	99%	142.31 9	1714	97.86%	96.22 072	Malt1
52120	2679	2511	99.03%	263.21 44	2470	97.76%	259.2 068	Hgsnat
11669	2207	2503	90.17%	318.48 88	2958	92.03%	376.8 061	Aldh2
12768	2831	2464	99.36%	244.41 99	3396	99.58%	337.2 484	Ccr1
gi 124487032 ref NM_001081379.1	8996	2464	97.95%	76.917 82	2376	97.22%	74.25 387	-
12313	4001	2460	91.83%	172.66 42	2726	92.43%	191.5 488	Calm1
gi 229577448 ref NM_030701.2	1938	2457	99.38%	356.03 04	3147	99.38%	456.5 255	-
12330	4292	2446	96.04%	160.04 14	2459	96.32%	161.0 723	Canx
12633	6926	2445	83.28%	99.136 16	4062	85.88%	164.8 844	Cflar
15526	3067	2421	97%	221.67 5	2310	97.62%	211.7 485	Hspa9

67963	3278	2417	93.08%	207.06 34	2733	91.92%	234.3 974	Npc2
99929	4154	2410	92.90%	162.92 44	3880	91.41%	262.5 955	Tiparp
94176	6291	2407	99.62%	107.44 65	1949	98.24%	87.09 922	Dock2
17975	8257	2397	90.34%	81.523 25	2354	87.72%	80.15 051	Ncl
107932	6438	2395	97.95%	104.46 97	2192	98.62%	95.72 198	Chd4
27050	1879	2388	84.78%	356.89 73	2367	75.73%	354.1 552	Rps3
20848	4487	2381	74.35%	149.01 81	2330	73.72%	145.9 896	Stat3
80752	3001	2381	99.83%	222.80 71	2207	99.47%	206.7 562	Fam20c
12267	4299	2377	98.30%	155.27 35	2704	98.05%	176.8 322	C3ar1
64138	1393	2363	98.78%	476.37 43	2631	97.70%	530.9 967	Ctsz
20103	768	2350	97.79%	859.29 51	2774	96.22%	1015. 471	Rps5
11426	17637	2336	81.27%	37.194 94	1652	60.91%	26.33 343	Macf1
12984	4619	2336	91.06%	142.02 36	2119	90%	128.9 749	Csf2rb2
18301	1144	2326	90.03%	570.97 8	3037	93.18%	746.3 472	Fxyd5
14961	1193	2325	96.81%	547.29 09	1822	95.89%	429.3 684	H2-Ab1
18220	2639	2320	94.16%	246.87 91	2624	95.11%	279.5 417	Nucb1
11964	3946	2309	99.65%	164.32 46	1840	98.94%	131.0 94	Atp6v1a
15081	1993	2305	73.16%	324.78 75	3206	77.07%	452.2 498	H3f3b
20656	3824	2296	98.12%	168.61 25	3158	98.33%	232.1 755	Sod2
50493	3634	2296	94.88%	177.42 82	2730	95.62%	211.2 029	Txnrd1
12192	2984	2286	98.76%	215.13 6	2443	99.03%	230.1 69	Zfp361l
14969	1669	2284	87.84%	384.30 45	1729	88.56%	291.2 465	H2-Eb1

216161	4679	2277	97.91%	136.66 13	3004	97.97%	180.4 966	Sbno2
28146	2457	2277	92.88%	260.25 17	2035	93.28%	232.8 528	Serp1
20893	3113	2248	92.77%	202.79 3	2917	96.40%	263.4 386	Bhlhe40
15937	1090	2219	99.72%	571.69 78	3100	99.91%	799.5 715	Ier3
17355	8323	2206	98.07%	74.432 28	1912	96.43%	64.58 477	Aff1
12013	5858	2202	98.82%	105.56 1	2355	97.99%	113.0 222	Bach1
110213	2612	2190	94.41%	235.45 43	2302	92.11%	247.7 732	Tmbim6
11987	7195	2189	97.67%	85.437 92	1442	94.02%	56.34 516	Slc7a1
56744	615	2180	91.54%	995.44 46	3099	92.03%	1416. 67	Pf4
227737	3693	2177	97.32%	165.54 45	2376	97.48%	180.8 795	Fam129b
59027	4547	2166	94.02%	133.77 32	2364	97.05%	146.1 654	Nampt
gi 118130633 ref NM_008879.3	3714	2165	91.84%	163.70 11	1594	92.35%	120.6 614	-
gi 40254524 ref NM_022314.2	1906	2164	82.74%	318.83 8	2429	82.90%	358.2 834	-
239217	6076	2160	96.99%	99.832 44	2933	96.87%	135.7 114	Kctd12
229663	4201	2152	95.93%	143.85 51	2346	95.93%	156.9 992	Csde1
102595	3327	2137	98.26%	180.37 96	1987	98.56%	167.9 064	Plekho2
56726	2856	2124	96.78%	208.84 88	1914	96.81%	188.4 108	Sh3bgrl
gi 118130220 ref NM_146194.3	3659	2119	96.58%	162.63 13	2372	96.37%	182.2 529	-
192662	2732	2115	67.97%	217.40 29	2090	75.77%	215.0 739	Arhgdia
104831	5384	2114	98.18%	110.26 45	2240	98.55%	116.9 675	Ptpn23
18129	10506	2103	95.41%	56.213 11	1864	91.26%	49.88 048	Notch2
70223	2663	2097	97.78%	221.13 78	2133	97.63%	225.1 862	Nars

gi 164519064 ref NM_009861.2	2129	2077	97.79%	273.96 59	2216	97.75%	292.6 282	-
14645	2782	2072	96.33%	209.15 5	2681	96.30%	270.9 329	Glul
59026	14637	2067	90.30%	39.657 39	1357	74.11%	26.06 453	Huwei1
72042	1642	2059	97.81%	352.14 29	2408	96.71%	412.2 925	Cotl1
19039	2168	2055	99.77%	266.18 79	2248	99.86%	291.5 138	Lgals3bp
16822	3348	2037	97.73%	170.86 03	2128	96.65%	178.6 933	Lcp2
14674	6217	2036	97.62%	91.967 13	1911	97.89%	86.41 755	Gna13
12575	1936	2029	93.54%	294.31 5	2851	93.70%	414.0 13	Cdkn1a
17872	2345	2021	90.49%	242.02 44	2213	90.28%	265.3 143	Ppp1r15 a
11674	1597	2016	98.06%	354.50 41	1935	96.99%	340.6 42	Aldoa
21803	2094	2016	98.90%	270.36 44	1926	97.18%	258.5 84	Tgfb1
50790	5280	2014	95.89%	107.11 77	1598	95.85%	85.08 734	Acsl4
20452	5437	2012	98.69%	103.92 12	1288	96.87%	66.60 068	St8sia4
20014	2716	1981	91.09%	204.82 85	2039	90.68%	211.0 618	Rpn2
67702	2440	1975	98.57%	227.30 71	2454	97.30%	282.7 528	Rnf149
18550	4286	1961	97.32%	128.48 76	1969	96.62%	129.1 563	Furin
19205	2949	1952	92.98%	185.88 35	2163	92.78%	206.2 072	Ptbp1
11605	3032	1947	95.05%	180.33 19	1770	96.41%	164.1 218	Gla
18578	4371	1939	79.78%	124.57 55	2832	79.89%	182.1 523	Pde4b
13669	5176	1925	96.52%	104.44 13	1984	95.48%	107.7 63	Eif3a
53872	6181	1925	70.34%	87.459 64	1456	66.56%	66.22 542	Caprin1
230257	6880	1917	94.53%	78.247 3	1763	95.15%	72.04 204	Rod1

110611	6238	1914	99.21%	86.165 27	1666	97.96%	75.08 475	Hdlbp
gi 23956221 ref N M_023735.1	2525	1906	98.53%	211.98 11	1893	99.13%	210.7 712	-
11938	5763	1888	95.04%	92.000 27	1621	92.38%	79.07 815	Atp2a2
26949	2732	1878	99.60%	193.04 15	1609	98.90%	165.5 76	Vat1
17155	3889	1863	95.76%	134.52 74	1411	95.68%	102.0 026	Man1a
22339	3547	1857	97.46%	147.02 34	1244	95.24%	98.60 1	Vegfa
76709	1597	1857	96.74%	326.54 47	2004	98.56%	352.7 889	Arpc2
81898	6192	1852	86.27%	83.993 51	2056	86.60%	93.34 999	Sf3b1
56336	4205	1838	94.48%	122.74 82	2283	95.39%	152.6 378	B4galt5
59079	6602	1836	93.99%	78.096 73	1654	93.59%	70.43 396	Erbp2ip
66054	2152	1828	94.05%	238.54 46	2002	95.03%	261.5 435	Cndp2
gi 92110036 ref N M_020027.2	6772	1825	97.40%	75.680 09	1402	96.74%	58.20 405	-
22177	586	1822	99.83%	873.14 52	2282	97.78%	1094. 813	Tyrobp
93736	10165	1813	93.18%	50.087 13	1312	87.47%	36.28 679	Aff4
13660	3182	1804	99.06%	159.21 06	2244	98.71%	198.2 644	Ehd1
60595	3859	1803	92.74%	131.20 69	1800	90.93%	131.1 354	Actn4
11933	1833	1802	98.53%	276.07 56	1911	99.40%	293.1 031	Atp1b3
11966	2742	1798	98.29%	184.14 42	1692	98.40%	173.4 822	Atp6v1b 2
216850	6654	1790	97.43%	75.545 04	2827	97.29%	119.4 442	Kdm6b
56040	468	1788	66.24%	1072.8 95	1848	66.24%	1110. 141	Rplp1
26961	862	1787	62.30%	582.17 43	2058	62.06%	671.2 128	Rpl8
11947	1879	1786	93.13%	266.92 57	1966	95.90%	294.1 568	Atp5b

233871	3764	1785	95.64%	133.17 55	1459	95.43%	108.9 752	Atxn2l
67437	2885	1781	96.60%	173.36 2	1725	97.57%	168.0 991	Ssr3
74617	2087	1769	96.89%	238.03 52	1773	97.17%	238.8 407	Scepl
21969	3859	1765	99.51%	128.44 16	2745	99.61%	199.9 814	Top1
75705	3871	1759	95.04%	127.60 81	1493	94.68%	108.4 323	Eif4b
212943	5479	1741	97.21%	89.234 58	1294	96.81%	66.39 801	Fam46a
gi 31981561 ref N M_011099.2	2212	1740	82.82%	220.90 21	1840	83.14%	233.8 594	-
74440	4539	1739	94.27%	107.59 08	1810	94.78%	112.1 09	Cmip
14569	2681	1738	90.82%	182.04 92	1648	88.96%	172.8 154	Gdi2
11973	1219	1736	98.61%	399.92 79	2065	98.69%	476.2 538	Atp6v1e 1
54519	2540	1723	98.54%	190.49 66	1798	98.94%	199.0 115	Apbb1ip
54199	2110	1721	99.91%	229.05 2	3014	99.29%	401.5 9	Ccr12
74383	4073	1720	96.02%	118.59 05	1395	96.07%	96.29 016	Ubp2l
69710	5837	1719	93.27%	82.703 12	1423	94.67%	68.53 893	Arap1
19730	3777	1718	88.14%	127.73 56	1593	89.38%	118.5 744	Ralgds
21810	2678	1702	99.55%	178.47 8	2217	99.55%	232.7 433	Tgfb1
14067	7406	1688	15.92%	64.006 55	2100	16.08%	79.71 824	F5
16828	1854	1686	85.17%	255.37 8	2004	87.49%	303.8 856	Ldha
11857	1100	1685	98.73%	430.17 28	1888	99.55%	482.5 379	Arhgdib
210293	7303	1684	96.06%	64.755 48	988	93.91%	38.03 45	Dock10
18173	2304	1678	97.74%	204.52 44	1815	98.22%	221.4 707	Slc11a1
16543	3435	1668	99.33%	136.36 57	1179	95.66%	96.49 597	Mdfic

13209	6065	1668	94.91%	77.232 65	1480	93.77%	68.60 457	Ddx6
19252	1952	1667	98.41%	239.82 34	1270	98.31%	182.9 136	Dusp1
237542	7152	1666	98.11%	65.415 88	1171	97.12%	46.03 112	Osbpl8
53599	2830	1665	98.66%	165.22 03	1537	99.33%	152.6 896	Cd164
12331	2393	1661	99.79%	194.92 28	1426	99.12%	167.5 325	Cap1
216238	7836	1641	96.29%	58.809 82	1289	91.59%	46.24 668	Eea1
21366	6169	1638	98.59%	74.564 97	1384	97.52%	63.07 299	Slc6a6
56758	5580	1637	77.08%	82.385 39	1316	78.12%	66.30 462	Mbnl1
56486	1122	1625	78.61%	406.72 06	1711	78.52%	428.7 255	Gabarap
11658	4979	1622	96%	91.483 85	1274	94.34%	71.93 652	Alcam
234734	4891	1622	78.16%	93.129 85	1491	74.30%	85.70 42	Aars
57261	5948	1620	97.76%	76.485 62	1452	98.50%	68.63 06	Brd4
108954	5588	1618	95.85%	81.312 6	1652	95.28%	83.11 43	Ppp1r15 b
54445	2277	1617	97.10%	199.42 64	1436	96.71%	177.3 02	Unc93b1
15950	3633	1607	69.94%	124.21 85	2375	69.50%	183.7 893	Ifi203
225363	3718	1606	95.62%	121.30 31	2012	97.01%	152.1 391	Etf1
15186	2378	1604	99.24%	189.42 1	1164	99.16%	137.6 142	Hdc
22154	2645	1601	97.09%	169.98 14	1306	96.11%	138.8 16	Tubb5
20249	4844	1597	96.74%	92.584 12	847	93.64%	49.15 881	Scd1
56378	879	1595	96.13%	509.57 43	1625	88.74%	519.7 406	Arpc3
13424	14398	1576	88.13%	30.739	1028	67.87%	20.07 304	Dync1h1
19052	1930	1571	98.55%	228.58 86	1663	98.81%	242.2 462	Ppp2ca

16401	9833	1569	91.44%	44.809 76	1174	86.07%	33.56 635	Itga4
67951	1807	1568	95.96%	243.68 21	2466	96.46%	383.6 693	Tubb6
11867	1555	1568	91.45%	283.17 27	1704	91.70%	308.0 784	Arpc1b
65972	997	1559	97.09%	439.12 35	1614	97.29%	455.1 248	Ifi30
16410	7054	1549	97.15%	61.666 84	939	91.41%	37.42 418	Itgav
23994	1860	1548	89.57%	233.71 88	1493	88.92%	225.6 675	Dazap2
18985	2566	1548	99.42%	169.41 43	994	98.71%	108.9 06	Pou2af1
73158	6617	1548	92.07%	65.697	1273	92.69%	54.08 656	Larp1
12484	1825	1545	98.74%	237.73 95	2589	98.96%	398.8 332	Cd24a
66222	1931	1543	96.89%	224.39 82	1480	96.89%	215.4 773	Serpinb1 a
11910	1981	1542	97.58%	218.59 27	1361	95.41%	193.1 505	Atf3
67434	7498	1540	96.57%	57.678 11	1303	96.19%	48.85 636	Ankrd33 b
14679	3211	1530	97.51%	133.80 95	1692	97.79%	148.1 434	Gnai3
14897	9632	1529	93.18%	44.578 63	1102	90.92%	32.16 527	Trip12
69188	7258	1526	86.83%	59.043 66	1069	82.24%	41.40 787	Mll5
18810	15455	1524	81.05%	27.691 83	993	59.33%	18.06 352	Plec
12226	5010	1523	73.07%	85.368 55	1168	72.53%	65.54 314	Btg1
19084	3323	1523	98.71%	128.70 79	1331	99.10%	112.6 082	Prkar1a
15894	2540	1520	98.54%	168.05 27	2836	97.09%	313.9 024	Icam1
11690	872	1517	98.05%	488.54 53	1970	98.05%	635.1 435	Alox5ap
14127	683	1517	93.27%	623.73 57	1893	94.73%	779.2 055	Fcer1g
70599	5109	1513	99.08%	83.164 64	1167	97.10%	64.21 804	Ssfa2

13032	2472	1511	97.33%	171.65 31	1746	97.73%	198.5 719	Ctsc
13830	2816	1509	97.94%	150.48 47	1306	97.94%	130.3 865	Stom
56644	2277	1508	80.98%	185.98 33	2333	81.38%	288.0 539	Clec7a
233789	15553	1505	85.81%	27.174 28	920	60.91%	16.63 013	Smg1
17748	583	1503	84.73%	723.97 93	2548	90.74%	1228. 72	Mt1
216742	6281	1493	95.89%	66.752 38	1308	95%	58.54 652	Fnip1
226562	10444	1489	95.73%	40.037 19	1069	91.18%	28.77 617	Prrc2c
71795	6350	1486	99.10%	65.717 46	1515	98.72%	67.07 505	Pitpnc1
105559	4579	1485	95.37%	91.073 39	1467	94.78%	90.07 03	Mbnl2
327987	11787	1476	85.18%	35.165 66	1570	84.41%	37.44 713	Med13
26373	4063	1474	98.33%	101.87 94	1254	97%	86.77 065	Cln7
18145	5209	1470	96.66%	79.249 89	1256	94.87%	67.78 871	Npc1
12631	1196	1465	49%	343.98 71	1757	53.09%	413.0 12	Cfl1
gi 40254106 ref NM_134037.2	4316	1459	97.34%	94.931 33	1615	98.26%	105.1 994	-
12193	3537	1453	95.45%	115.36 29	1039	95.14%	82.58 527	Zfp36l2
22134	5025	1452	85.81%	81.145 84	1298	83.92%	72.62 075	Tgoln1
20742	9049	1451	76.33%	45.030 06	1386	70.95%	43.06 106	Spnb2
14688	3143	1449	96.82%	129.46 72	1590	97.20%	142.2 246	Gnb1
70579	4395	1446	96.72%	92.394 29	1522	94.95%	97.35 94	Zc3h11a
210998	5621	1444	95.80%	72.142 19	1130	95.45%	56.51 802	D15Ert d621e
12493	1226	1444	97.72%	330.75 96	1360	98.69%	311.8 678	Cd37
16658	3389	1438	96.75%	119.15 8	2454	96.72%	203.5 753	Ma1b

18034	3205	1437	98.25%	125.91 12	1546	97.94%	135.6 137	Nfkb2
69116	15901	1437	85.04%	25.378 62	926	58.93%	16.37 226	Ubr4
68652	4278	1434	92.36%	94.133 47	1093	91.14%	71.82 928	Tab2
22631	3801	1430	50.64%	105.65 11	1506	50.57%	111.3 908	Ywhaz
20402	9100	1421	95.31%	43.851 9	915	88.07%	28.26 844	Zfp106
18081	1132	1421	99.47%	352.51 97	1728	99.82%	429.1 602	Ninj1
13132	4520	1417	97.85%	88.037 38	1354	98.27%	84.21 75	Dab2
17886	7371	1417	96.59%	53.985 75	1064	91.26%	40.58 236	Myh9
75767	7965	1416	99.17%	49.924 44	1372	96.74%	48.42 732	Rab11fip 1
19246	4213	1416	98.62%	94.385 98	1302	98.46%	86.88 437	Ptpn1
14133	1317	1412	98.79%	301.08 19	2709	99.09%	578.2 896	Fcna
gi 31581563 ref NM_178682.3	5011	1409	97.15%	78.962 76	1245	97.05%	69.85 011	-
20168	5030	1398	69.17%	78.050 36	989	64.61%	55.27 776	Rtn3
21353	2227	1397	92.95%	176.16 19	1071	90.93%	135.2 046	Tank
12387	3640	1396	96.29%	107.70 1	1199	95.80%	92.60 617	Ctnnb1
11804	3658	1396	99.59%	107.17 1	1372	98.77%	105.4 466	Aplp2
70719	3928	1395	98.63%	99.732 9	875	97.96%	62.62 658	Hmha1
20740	8042	1385	94.19%	48.363 91	1225	90.01%	42.82 468	Spna2
67448	3205	1384	98.16%	121.26 73	2135	98.53%	187.2 802	Plxdc2
22627	2078	1384	95.14%	187.03 65	1511	96.44%	204.4 283	Ywhae
16452	5030	1384	95.41%	77.268 74	1310	91.67%	73.21 928	Jak2
18643	883	1377	92.87%	437.93 43	1372	89.92%	436.8 331	Pfn1

11717	4098	1373	95.58%	94.088 01	1304	95.41%	89.45 977	Ampd3
170791	2812	1371	97.69%	136.91 71	1330	96.44%	132.9 715	Rbm39
11946	2443	1370	89.93%	157.48 27	1247	90.09%	143.5 044	Atp5a1
231549	3944	1370	92.24%	97.548 22	1017	92.17%	72.49 468	Lrrc8d
17064	6638	1368	97.92%	57.874 14	1793	96.19%	75.93 905	Cd93
17357	1611	1366	89.08%	238.11 73	2324	90.01%	405.5 671	Marcks11
20515	3316	1364	94.03%	115.51 42	1461	94.03%	123.8 676	Slc20a1
gi 145275166 ref NM_008160.5	847	1362	97.99%	451.57 45	1627	97.99%	540.0 404	-
11747	1738	1362	86.48%	220.07 11	1232	85.79%	199.2 889	Anxa5
11848	2126	1362	81.33%	179.90 76	1498	80.15%	198.0 937	Rhoa
67945	459	1354	83.88%	828.40 3	1600	81.26%	980.0 075	Rpl41
66940	1792	1352	99%	211.87 24	1238	98.83%	194.2 248	Shisa5
67039	4244	1351	95.88%	89.395 51	1605	96.25%	106.3 217	Rbm25
52398	5123	1345	96.10%	73.728 2	1096	95.86%	60.14 622	11-Sep
11308	3504	1341	91.24%	107.47 33	1504	90.84%	120.6 718	Abi1
64292	3647	1340	98.03%	103.18 22	2335	98.33%	180.0 003	Ptges
22187	1165	1336	39.66%	322.04 48	1544	40.52%	372.6 005	Ubb
547150	4659	1334	80.83%	80.407 92	978	78.39%	59.01 58	6820431 F20Rik
69207	3103	1334	92.49%	120.72 85	1664	95.71%	150.7 626	Srsf11
384783	4015	1333	98.93%	93.235 29	852	98.73%	59.65 903	Irs2
78889	2490	1331	97.99%	150.11 17	1603	98.67%	180.9 907	Wsb1
17113	2258	1324	97.39%	164.66 44	1073	97.30%	133.5 974	M6pr

22234	3719	1318	96.56%	99.523 34	1317	96.85%	99.55 927	Ugcg
18793	1396	1316	99.79%	264.73 18	2351	99.79%	473.4 666	Plaur
21813	4803	1315	98.79%	76.886 28	915	92.98%	53.55 877	Tgfbr2
17119	4662	1315	97.04%	79.211 67	1018	97%	61.39	Mxd1
66713	3688	1314	94.28%	100.05 53	1199	95.15%	91.40 088	Actr2
14190	3769	1311	97.11%	97.681 49	930	95.94%	69.37 116	Fgl2
105855	4717	1310	99.55%	77.990 4	1085	98.03%	64.66 749	Nckap11
81910	5193	1310	86.92%	70.841 65	1462	87.62%	79.15 005	Rrbp1
74178	3877	1307	92.80%	94.670 68	1512	90.35%	109.6 423	Stk40
208643	5481	1303	95.46%	66.760 61	971	94.27%	49.80 599	Eif4g1
21808	4725	1299	97.10%	77.204 58	1694	98.58%	100.7 938	Tgfb2
22668	4361	1296	93.33%	83.455 43	1362	94.84%	87.80 376	Sf1
18263	2547	1296	65.14%	142.89 33	984	63.37%	108.6 146	Odc1
19664	5541	1296	96.12%	65.682 94	1189	94.37%	60.32 757	Rbpj
16854	1406	1292	89.76%	258.05 54	1237	88.98%	247.3 469	Lgals3
80859	3855	1291	95.18%	94.045 4	2686	98.39%	195.8 862	Nfkbiz
20932	2863	1288	93.47%	126.33 69	1226	93.54%	120.3 902	Surf4
17347	3070	1288	98.40%	117.81 84	1106	99.58%	101.2 835	Mknk2
106585	8991	1287	85.16%	40.198 17	1229	78.50%	38.42 961	Ankrd12
215418	2890	1283	99%	124.67 07	1862	99.13%	181.1 357	Csrnp1
76846	703	1281	69.70%	511.71 66	1419	69.70%	567.4 782	Rps9
14579	2257	1281	98.09%	159.38 71	1156	99.16%	143.9 953	Gem

98267	3298	1278	98%	108.82 18	897	96.85%	76.46 521	Stk17b
22201	3949	1276	91.42%	90.740 1	1204	91.72%	85.71 592	Uba1
14544	5417	1274	96.44%	66.045 97	1567	96.36%	81.32 654	Gda
55949	1933	1273	53.03%	184.94 06	1258	53.34%	182.9 662	Eef1b2
26921	5620	1271	94.40%	63.510 41	827	92.86%	41.37 055	Map4k4
12215	1752	1267	82.08%	203.08 52	1598	77%	256.4 276	Bsg
19353	2284	1266	98.34%	155.65 87	1246	96.50%	153.3 713	Rac1
12847	4629	1265	92.57%	76.743 05	1090	92.98%	66.20 053	Copa
19354	3036	1264	96.61%	116.91 79	1101	96.05%	101.9 548	Rac2
gi 168693640 ref NM_194342.2	3711	1262	96.44%	95.500 16	1044	94.48%	79.09 184	-
18521	2868	1262	46.69%	123.57 08	1157	45.50%	113.4 165	Pcbp2
110006	2456	1261	98.90%	144.18 58	1220	99.27%	139.6 541	Gusb
20229	1233	1257	69.51%	286.29 11	1392	68.78%	317.3 937	Sat1
16172	3970	1253	97.96%	88.633 17	1828	98.34%	129.4 517	Il17ra
18738	3724	1249	96.19%	94.186 46	1481	98.47%	111.8 066	Pitpna
13244	2005	1247	91.17%	174.65 77	1275	91.77%	178.7 796	Degs1
51810	3670	1245	97.87%	95.266 23	1255	98.28%	96.13 904	Hnmpu
22628	3592	1243	97.41%	97.178 57	1035	96.10%	81.00 767	Ywhag
gi 158508666 ref NM_078478.4	2476	1241	99.47%	140.75 27	1068	99.47%	121.2 67	-
54411	2189	1236	96.35%	158.56 54	1239	97.08%	159.1 284	Atp6ap1
16365	2588	1233	99.19%	133.79 33	2623	99.34%	284.9 418	Irg1
12767	1821	1232	96.60%	189.99 25	880	97.91%	135.8 61	Cxcr4

12091	2360	1231	98.73%	146.48 12	1409	98.69%	167.8 499	Glb1
192159	7500	1226	95.81%	45.905 52	883	85.57%	33.09 951	Prpf8
19244	3413	1226	93.73%	100.87 65	1161	92.47%	95.63 526	Ptp4a2
11796	2820	1226	96.63%	122.08 92	1287	92.59%	128.3 074	Birc3
16801	3450	1225	97.10%	99.713 21	1205	96.81%	98.19 516	Arhgef1
66105	2619	1222	85.49%	131.03 02	1361	80.83%	146.0 982	Ube2d3
78618	6493	1221	96.80%	52.808 76	832	89.11%	36.02 467	Acap2
240263	2866	1218	94.84%	119.34 57	1028	95.25%	100.8 414	Fem1c
15251	4775	1218	93.36%	71.632 42	892	90.51%	52.51 866	Hif1a
12273	2540	1218	91.93%	134.66 33	2129	93.74%	235.6 482	C5ar1
218454	4348	1217	95.56%	78.602 57	572	93.93%	36.98 525	Lhfp12
18792	2343	1217	98.63%	145.86 6	1281	98.80%	153.7 089	Plau
gi 31560810 ref N M_010299.2	2024	1215	98.57%	168.57 82	1142	97.43%	158.6 272	-
22284	11903	1214	91.83%	28.641 65	881	76.89%	20.80 854	Usp9x
79555	2551	1212	97.45%	133.42 21	897	98.28%	98.85 624	BC0055 37
19325	3531	1210	96.77%	96.232 85	1052	97.42%	83.76 067	Rab10
12628	4365	1210	62.82%	77.846 1	1486	63.12%	95.70 986	Cfh
407823	7980	1208	97.28%	42.510 85	1064	94.15%	37.48 529	Baz2b
67501	6981	1202	96%	48.352 9	980	94.99%	39.46 668	Ccdc50
26433	3278	1195	80.99%	102.37 52	1408	77.88%	120.7 58	Plod3
16403	4205	1190	97.93%	79.472 46	1174	98.05%	78.49 179	Itga6
18227	3172	1187	95.87%	105.08 8	995	95.05%	88.18 851	Nr4a2

15384	2545	1184	98.35%	130.64 71	1391	98.70%	153.6 602	Hnrnpab
21815	1720	1182	90.99%	192.98 55	1693	94.48%	276.7 264	Tgif1
70790	9790	1182	86.95%	33.905 53	976	75.02%	28.02 782	Ubr5
64209	1871	1181	99.09%	177.26 04	1391	99.95%	209.0 14	Herpud1
12785	2178	1179	86.32%	152.01 68	1217	92.70%	157.0 923	Cnbp
18023	4654	1179	98.41%	71.141 52	816	98.52%	49.29 307	Nfe211
276770	1455	1178	90.79%	227.36 21	1245	90.45%	240.5 628	Eif5a
108829	8382	1177	94.49%	39.433 43	919	90.61%	30.82 407	Jmjd1c
12345	1647	1176	98.85%	200.51 62	1166	94.90%	199.0 339	Capzb
52440	3307	1173	96.46%	99.609 22	1010	98.73%	85.86 364	Tax1bp1
232975	4043	1171	86.20%	81.337 13	1320	86.62%	91.78 935	Atp1a3
11502	4003	1169	94.53%	82.009 59	934	94.48%	65.59 691	Adam9
353172	2390	1168	98.66%	137.24	1151	97.07%	135.3 94	Gars
80913	6311	1168	95.36%	51.973 31	966	93.54%	43.03 294	Pum2
18717	4287	1163	97.78%	76.183 68	1056	96.66%	69.25 204	Pip5k1c
192657	3660	1163	95.03%	89.234 82	1495	95.16%	114.8 371	Eil2
27416	5826	1157	96.69%	55.769 74	936	93.63%	45.16 765	Abcc5
68801	2802	1156	96.61%	115.85 78	1458	97.04%	146.2 889	Elov15
19647	6199	1156	97.27%	52.368 71	1270	96.14%	57.59 758	Rbbp6
67166	2928	1154	95.59%	110.68 03	1152	95.83%	110.6 123	Ari8b
15275	4157	1153	90.45%	77.890 59	1378	92.42%	93.19 472	Hk1
19989	937	1151	52.40%	344.96 21	1173	52.40%	351.9 497	Rpl7

73389	3045	1145	73.40%	105.59 76	981	67.68%	90.57 406	Hbp1
66085	1507	1144	85.34%	213.18 1	1190	85.34%	222.0 015	Eif3f
20345	2604	1143	70.31%	123.26 53	1420	70.62%	153.3 096	Selplg
226982	7797	1142	70.78%	41.131 47	1203	69.17%	43.37 707	Eif5b
67996	3547	1139	98.67%	90.177 51	1090	98.36%	86.39 476	Srsf6
13014	620	1138	95.97%	515.44 97	1339	89.52%	607.1 71	Cstb
12751	3494	1134	98.60%	91.143 53	1063	99.63%	85.53 276	Tpp1
108767	1940	1133	83.92%	164.00 76	1654	86.39%	239.6 933	Pnrc1
170768	5206	1132	92.26%	61.062 98	1301	91.63%	70.25 791	Pfkfb3
18477	1417	1131	90.83%	224.14 47	1062	87.37%	210.7 059	Prdx1
216440	4049	1130	86.98%	78.372 98	1356	91.83%	94.15 297	Os9
20491	2808	1129	90.31%	112.91	1033	90.42%	103.4 25	Sla
246198	7271	1127	93.05%	43.527 68	1006	88.54%	38.89 788	Mllt6
14457	7112	1125	95.50%	44.421 83	1387	96.77%	54.82 856	Gas7
19697	2709	1118	95.42%	115.89 6	1221	97.79%	126.7 152	Rela
gi 40254289 ref N M_175344.3	4950	1118	98.93%	63.426 73	884	96.14%	50.20 757	-
268396	7432	1117	94.93%	42.206 87	653	87.66%	24.70 186	Sh3pxd2 b
13609	3029	1117	97.09%	103.55 94	881	95.25%	81.77 09	S1pr1
16210	3432	1116	99.16%	91.317 21	896	96.85%	73.39 777	Impact
71602	4944	1114	96.38%	63.276 5	886	91.40%	50.38 223	Myo1e
18984	2457	1114	98.82%	127.32 56	1410	99.43%	161.3 378	Por
20482	6717	1113	95.97%	46.532 41	1356	96.75%	56.75 53	Skil

16985	1828	1113	73.91%	170.98 37	1093	76.64%	168.0 994	Lsp1
67844	2054	1112	97.47%	152.03 38	1076	96.93%	147.2 767	Rab32
108101	2587	1111	94.63%	120.60 17	1366	96.17%	148.4 487	Fermt3
17118	4186	1111	81.10%	74.533 33	1433	86.34%	96.24 298	Marcks
54170	2621	1111	94.93%	119.03 72	1076	93.48%	115.4 164	Rragc
13057	764	1107	96.86%	406.90 21	1267	98.30%	466.2 355	Cyba
16186	1612	1107	98.82%	192.84 94	944	99.57%	164.6 376	Il2rg
20393	3121	1102	72.70%	99.157 04	1023	71.39%	92.15 183	Sgk1
56212	1264	1102	99.68%	244.83 32	1189	99.60%	264.4 581	Rhog
13642	4319	1101	97.08%	71.587 93	1293	97.11%	84.16 615	Efnb2
59013	2242	1101	94.69%	137.90 74	1186	96.48%	148.7 206	Hnrnp1
319446	1766	1100	85.67%	174.91 93	1167	85.45%	185.7 814	Dpep2
12977	4192	1100	93.44%	73.689 76	735	94.87%	49.29 333	Csf1
13200	2134	1096	93.21%	144.22 88	1346	91.19%	177.3 261	Ddost
67246	6094	1096	95.82%	50.506 1	853	88.61%	39.35 217	2810474 O19Rik
216805	2864	1096	99.16%	107.46 65	929	97.94%	91.19 37	Flcn
213391	6370	1096	98.60%	48.317 76	796	95.89%	35.13 142	Rassf4
18571	5976	1094	90.34%	51.409 39	984	88.30%	46.29 207	Pdcd6ip
12527	1306	1093	90.28%	235.02 43	1652	90.20%	355.6 223	Cd9
12321	3216	1092	97.51%	95.354 74	919	94.78%	80.33 811	Calu
68585	6165	1092	69.39%	49.742 23	1011	57.40%	46.10 417	Rtn4
16195	5452	1091	97.23%	56.195 9	695	95.01%	35.83 86	Il6st

23983	1711	1091	95.21%	179.06 49	1180	91.58%	193.8 894	Pcbp1
14661	3158	1090	90.06%	96.928 19	1031	92.65%	91.78 435	Glud1
56706	2161	1090	93.75%	141.64 7	1262	93.85%	164.1 824	Ccn1l
13664	2879	1088	95.76%	106.12 63	1193	96.46%	116.4 987	Eif1a
71929	2881	1088	96.01%	106.05 26	738	96.81%	72.01 703	Tmem12 3
232087	2804	1086	93.97%	108.76 46	1340	93.76%	134.3 535	Mat2a
66870	6685	1085	68.21%	45.578 92	1160	63.49%	48.78 414	Serbp1
26397	2166	1083	99.45%	140.41 25	1781	99.45%	231.1 679	Map2k3
12494	2995	1077	93.19%	100.98 45	1405	96.29%	131.8 869	Cd38
218236	4919	1076	97.03%	61.428 68	843	90.04%	48.18 067	Fam120a
18602	2640	1073	68.11%	114.13 83	1124	69.24%	119.6 973	Padi4
14660	4974	1072	92.38%	60.523 59	1065	90.43%	60.19 577	Gls
19951	504	1068	96.03%	595.08 15	1171	95.63%	653.2 035	Rpl32
56442	2889	1063	96.23%	103.32 88	929	95.08%	90.40 455	Serinc1
108857	8251	1059	91.88%	36.043 34	838	86.87%	28.55 351	Ankhd1
14489	4042	1059	94.78%	73.575 86	761	95.03%	52.93 104	Mtpn
12332	1221	1059	99.92%	243.56 56	1243	99.43%	286.2 052	Capg
11491	4410	1058	94.42%	67.372 52	815	93.99%	51.95 665	Adam17
54473	3705	1058	99.41%	80.192 39	1027	98.65%	77.92 994	Tollip
226641	7463	1055	94.12%	39.698 56	795	92.95%	29.94 855	Atf6
18413	1907	1054	98.06%	155.21 21	1676	97.95%	247.0 845	Osm
27226	1923	1052	97.14%	153.62 86	1611	96.88%	235.5 257	Pla2g7

19386	9477	1052	90.56%	31.173 14	787	80.03%	23.34 673	Ranbp2
54401	2775	1051	98.49%	106.35 93	1150	98.31%	116.5 083	Ywhab
107358	6144	1049	81.54%	47.946 84	921	89.24%	42.14 349	Tm9sf3
27362	1865	1049	92.06%	157.95 46	1338	91.47%	201.6 97	Dnajb9
11566	2553	1047	98.51%	115.16 79	1096	98.71%	120.6 929	Adss
225929	4221	1046	93.82%	69.590 83	1064	93.51%	70.86 771	Pat11
16364	4683	1046	98.42%	62.725 37	701	96.58%	42.08 39	Irf4
17775	2130	1045	74.69%	137.77 56	1084	71.31%	143.0 776	Laptm4a
108664	1976	1044	95.85%	148.37 11	882	97.12%	125.4 885	Atp6v1h
20430	6524	1043	75.77%	44.895 84	855	76.33%	36.84 464	Cyfp1
gi 84794646 ref NM_026148.2	4244	1042	95.90%	68.949 01	904	95.10%	59.88 46	-
67154	3680	1037	97.85%	79.134 64	926	96.06%	70.74 33	Mtdh
12336	1461	1035	87.54%	198.94 17	1239	91.10%	238.4 203	Capns1
66687	3779	1035	91.69%	76.912 9	822	92.35%	61.15 29	Tbc1d15
12343	2015	1033	97.82%	143.96 63	1042	98.01%	145.3 834	Capza2
11307	5821	1031	96.15%	49.738 97	524	86.81%	25.30 788	Abcg1
217980	4707	1031	96.15%	61.510 63	931	93.54%	55.60 676	Larp4b
74427	4238	1030	94.83%	68.251 47	865	90%	57.38 221	Eaf1
13036	1627	1029	84.82%	177.60 84	1177	92.32%	203.3 813	Ctsh
14281	2107	1029	98.01%	137.14 71	449	97.58%	59.91 064	Fos
237782	7394	1027	97.11%	39.005 58	834	92.33%	31.71 091	Smcr8
81702	10066	1027	86.54%	28.651 62	944	81.85%	26.36 557	Ankrd17

13653	3072	1026	98.99%	93.791 15	877	98.08%	80.26 025	Egr1
170942	796	1020	88.69%	359.85 11	1391	88.82%	491.2 88	Erdr1
14815	6345	1018	96.77%	45.055 92	954	91%	42.27 064	Nr3c1
240832	5857	1017	89.48%	48.761 99	864	87.25%	41.47 254	Tor1aip2
17938	7034	1015	35.97%	40.522 79	1073	27.52%	42.88 639	Naca
18751	8830	1014	94.96%	32.248 76	836	90.74%	26.61 753	Prkcb
52118	2902	1013	97.11%	98.027 46	962	96.31%	93.19 654	Pvr
17979	7571	1012	95.60%	37.537 3	650	88.61%	24.13 694	Ncoa3
12608	1507	1011	82.88%	188.39 68	1138	82.61%	212.3 006	Cebpb
14962	2767	1011	90.21%	102.60 72	1382	91.80%	140.4 174	Cfb
15370	2534	1008	96.17%	111.70 94	1077	96.72%	119.4 899	Nr4a1
74211	4934	1006	85.25%	57.257 79	828	84.25%	47.17 95	1700017 B05Rik
54720	2324	1005	90.10%	121.44 11	983	90.28%	118.9 158	Rcan1
12478	2440	1004	97.87%	115.55 26	605	98.52%	69.70 881	Cd19
17160	3434	1003	97.67%	82.023 13	1046	95.89%	85.63 544	Man2b2
56200	4763	1001	96.45%	59.018 64	953	98.34%	56.25 154	Ddx21
19359	3827	1001	82.78%	73.453 3	937	80.82%	68.83 404	Rad23b
20375	1333	1000	96.77%	210.67 14	1125	97.07%	237.2 709	Sfpi1
27041	2685	998	89.76%	104.38 11	1103	89.39%	115.4 924	G3bp1
207165	11506	997	80.90%	24.333 61	832	77.61%	20.32 924	Bptf
57262	598	996	94.31%	467.72 85	1089	87.79%	511.9 751	Retnla
244895	10994	996	91.58%	25.441 3	850	83.75%	21.73 628	C230081 A13Rik

66878	3661	995	92.52%	76.323 64	885	95.08%	67.96 192	Riok3
213109	7561	995	92.75%	36.955 54	773	88.18%	28.74 236	Phf3
27207	602	994	73.59%	463.68 77	998	74.42%	466.0 754	Rps11
19248	3190	994	97.90%	87.504 71	856	97.77%	75.44 061	Ptpn12
66141	648	987	97.07%	427.73 8	1493	99.69%	647.7 493	Ifitm3
50875	3590	985	98.44%	77.050 86	744	98.16%	58.26 404	Tmod3
54711	5407	979	96.69%	50.846 61	1024	95.47%	53.24 339	Plagl2
11490	3006	977	98.64%	91.272 78	1086	97.21%	101.5 694	Adam15
56445	2839	976	97.18%	96.542 85	1109	94.86%	109.8 217	Dnaja2
17913	5318	973	65.29%	51.380 72	836	66.96%	44.19 57	Myo1c
gi 15718668 ref N M_015774.2	3139	973	99.55%	87.047 69	623	95.99%	55.79 803	-
73723	721	973	96.39%	378.97 74	1293	96.95%	504.1 797	Sh3bgrl3
70495	2376	973	92%	115.00 11	949	87.37%	112.2 902	Atp6ap2
108124	2332	970	99.66%	116.80 97	1027	99.40%	123.8 124	Napa
gi 260447083 ref N M_023516.4	932	967	95.92%	291.37 1	906	97.64%	273.2 967	-
16476	3187	966	96.11%	85.119 83	680	94.29%	59.98 587	Jun
225055	4013	964	93.94%	67.459 57	976	95.12%	68.37 586	Fbxo11
20338	6300	963	97%	42.926 1	613	90.43%	27.35 534	Sel1l
68724	1702	962	95.48%	158.72 72	946	96.12%	156.2 621	Arl8a
68292	4236	960	96.77%	63.643 05	759	95.77%	50.37 417	Stt3b
13194	4171	957	98.23%	64.432 87	834	97.36%	56.21 445	Ddb1
19324	2657	956	98.46%	101.04 2	1197	96.76%	126.6 557	Rab1

12549	7722	954	95.23%	34.693 99	645	86.53%	23.48 292	Arhgap3 1
16190	5122	953	93.58%	52.250 33	1082	94.65%	59.38 952	Il4ra
66855	2937	952	87.47%	91.026 68	794	88.32%	76.00 439	Tcf25
gi 142366309 ref NM_027996.2	6072	951	94.43%	43.982 96	756	86.53%	35.00 355	-
19223	1751	950	97.60%	152.36 08	1142	96.52%	183.3 589	Ptgis
12211	16212	949	79.04%	16.438 62	492	49.51%	8.531 996	Birc6
107702	1807	948	95.74%	147.32 82	1024	95.63%	159.3 177	Rnh1
20318	5174	947	72.48%	51.399 54	980	66.54%	53.25 026	Sdf4
14131	1353	947	94.68%	196.55 67	1466	93.72%	304.6 199	Fcgr3
21356	2750	946	95.53%	96.603 79	1145	95.45%	117.0 563	Tapbp
15985	1232	945	97%	215.40 55	591	98.46%	134.8 649	Cd79b
11770	646	944	95.98%	410.36 96	1646	98.30%	716.3 404	Fabp4
27360	4520	941	91.15%	58.463 78	1137	91.28%	70.72 031	Add3
11886	2251	940	95.34%	117.27 03	1026	96.76%	128.1 427	Asah1
gi 68299754 ref NM_011308.2	8740	938	92.71%	30.138 88	754	91.72%	24.25 393	-
224088	7310	937	95.31%	35.996 31	785	87.40%	30.19 078	Atp13a3
214597	4221	936	95.48%	62.272 49	726	90.76%	48.35 522	Sidt2
12051	1835	936	97.82%	143.24 37	1228	98.58%	188.1 414	Bcl3
66961	3177	936	97.95%	82.735 97	528	96.44%	46.72 387	Neat1
224826	7696	936	95.05%	34.154 39	605	82.37%	22.10 103	Ubr2
18018	4896	934	94.02%	53.572 41	573	89.46%	32.90 299	Nfatc1
54673	3949	934	83.31%	66.419 48	952	79.94%	67.77 538	Sh3glb1

20303	674	933	94.21%	388.73 84	2154	96.29%	898.4 79	Ccl4
69834	4605	931	96.22%	56.774 82	913	94.70%	55.73 952	Rab43
140559	2256	928	96.85%	115.51 67	864	97.07%	107.6 705	Igsf8
12747	3088	926	80.67%	84.211 11	826	76.78%	75.20 122	Clk1
68564	10399	924	87.44%	24.952 62	860	86.74%	23.25 032	Nufip2
27049	5158	923	92.73%	50.252 31	837	91.41%	45.62 115	Etv3
74012	4197	919	90.42%	61.491 1	998	92.35%	66.85 189	Rap2b
11773	2057	918	96.45%	125.32 68	858	95.38%	117.2 668	Ap2m1
19128	3270	918	97.83%	78.837 1	993	99.14%	85.37 36	Pros1
67186	441	916	55.33%	583.30 08	899	55.33%	573.1 169	Rplp2
12461	1962	911	98.42%	130.39 32	813	98.73%	116.4 967	Cct2
75646	4929	910	94.04%	51.846 36	608	91.11%	34.67 902	Rai14
76089	6544	910	96.90%	39.051 15	1081	95.60%	46.44 132	Rapgef2
14007	9108	910	75.86%	28.057 83	880	75.55%	27.16 325	Celf2
320024	4394	908	99.25%	58.031 19	595	95.97%	38.06 966	Nceh1
56550	2483	908	97.06%	102.69 39	958	96.34%	108.4 703	Ube2d2a
14584	2986	908	98.56%	85.394 86	1385	98.83%	130.4 014	Gfpt2
15976	3051	905	96.85%	83.299 44	1042	95.74%	96.01 689	Ifnar2
226251	6638	904	82.63%	38.244 32	488	73%	20.66 83	Ablim1
14130	1556	901	94.73%	162.61 14	837	94.73%	151.2 3	Fcgr2b
75965	5173	899	95.81%	48.803 72	1022	96.27%	55.54 315	Zdhhc20
gi 114796649 ref N M_010956.3	6614	897	84.79%	38.085 88	782	84.26%	33.24 028	-

27370	457	897	59.74%	551.20 35	901	60.18%	554.2 819	Rps26
16478	2878	896	62.75%	87.428 48	868	61.15%	84.79 125	Jund
15902	1289	894	96.20%	194.76 92	1266	93.56%	276.1 232	Id2
18128	9497	894	89.32%	26.435 46	1029	80.91%	30.46 148	Notch1
14595	3976	893	98.52%	63.072 61	806	93.01%	56.99 159	B4galt1
69171	2738	890	87.66%	91.283 5	761	89.19%	78.13 999	Cnppd1
328572	8749	889	92.12%	28.535 08	600	74.18%	19.28 035	Ep300
72007	6875	884	94.24%	36.108 98	605	88.96%	24.74 029	Fndc3b
19211	8229	881	88.10%	30.065 23	709	87.24%	24.22 263	Pten
28006	4305	881	97.28%	57.469 64	691	94.82%	45.12 602	D6Wsu1 16e
20947	4056	881	94.95%	60.997 73	638	93.39%	44.22 266	Swap70
105148	4396	880	95.72%	56.216 1	728	97.29%	46.55 816	Iars
19164	3023	880	87.30%	81.748 58	971	84.19%	90.30 321	Psen1
69660	2325	880	91.78%	106.29 07	952	92.09%	115.1 161	Tmbim1
66868	2978	878	98.29%	82.795 27	788	98.93%	74.39 156	Mfsd1
56403	6559	878	86.60%	37.591 75	663	82.07%	28.41 829	Syncrip
57296	1529	877	87.18%	161.07 49	786	86.46%	144.5 231	Psmc8
gi 141801897 ref NM_011319.2	1866	875	99.52%	131.68 37	738	98.50%	111.1 903	-
319448	6177	874	93.65%	39.734 66	664	87.70%	30.22 126	Fndc3a
78832	5808	873	96.13%	42.210 78	789	95.54%	38.19 201	Cacul1
16573	6030	871	92.90%	40.563 61	730	94.05%	34.03 515	Kif5b
110593	7323	871	92.26%	33.401 41	885	90.86%	33.97 632	Prdm2

58800	7145	869	94.12%	34.154 92	618	84.93%	24.31 691	Trpm7
17167	1985	869	87.05%	122.94 05	2407	87.51%	340.9 084	Marco
72674	2024	867	99.51%	120.29 41	859	98.72%	119.3 177	Adipor1
27060	3045	866	83.05%	79.866 8	727	86.21%	67.12 267	Tcirg1
67771	1897	866	84.24%	128.19 95	1009	86.82%	149.5 361	Arpc5
gi 161621258 ref N M_013489.2	3190	866	93.39%	76.236 49	789	95.83%	69.53 58	-
14682	5634	866	93.22%	43.165 5	972	89.79%	48.50 333	Gnaq
50794	6396	866	95.62%	38.022 89	691	91.31%	30.37 328	Klf13
66552	5629	865	94.71%	43.153 95	772	90.87%	38.55 744	2010106 G01Rik
20410	2914	863	99.69%	83.168 13	708	95.61%	68.30 71	Sorbs3
217344	3927	861	89.56%	61.571 25	1048	90.09%	75.02 785	Rhbdf2
15204	15363	859	69.76%	15.701 92	604	51.96%	11.05 307	Herc2
544752	4726	858	97.19%	50.983 46	655	96.21%	38.96 455	Tug1
23806	6435	856	82.42%	37.356 05	742	77.61%	32.41 735	Arih1
17750	556	854	81.47%	431.33 91	1122	68.88%	567.3 358	Mt2
214162	16439	853	72.43%	14.571 67	525	50.87%	8.978 546	Mill
17768	2070	853	97.54%	115.72 16	764	97%	103.7 636	Mthfd2
69635	5903	852	96.66%	40.532 42	678	94.87%	32.29 082	Dapk1
16796	3433	852	98.69%	69.694 98	765	97.61%	62.64 837	Lasp1
68421	5422	852	90.32%	44.128 16	733	86.46%	38.00 726	Lmbrd1
110355	3332	851	93.13%	71.723 3	725	92.71%	61.17 235	Adrbk1
56700	1557	851	96.47%	153.48 88	984	95.70%	177.6 759	0610031 J06Rik

12482	2057	850	99.81%	116.04 34	497	98.69%	67.92 728	Ms4a1
19345	1587	850	98.55%	150.41 03	838	98.55%	148.4 531	Rab5c
545030	9683	849	90.31%	24.622 57	529	72.27%	15.35 917	Wdfy4
13732	787	849	95.17%	302.94 84	976	78.53%	348.6 56	Emp3
74048	4846	849	95.42%	49.199 42	797	95.46%	46.23 779	4632428 N05Rik
20874	7047	846	93.70%	33.713 34	782	91.06%	31.19 785	Slk
17925	7296	844	92.48%	32.485 78	604	82.79%	23.27 417	Myo9b
15273	9788	843	92.72%	24.186 29	855	91.87%	24.55 807	Hivep2
387609	4392	843	95.95%	53.901 51	732	94.54%	46.85 661	Zhx2
18036	1945	843	84.99%	121.71 49	1225	91.52%	177.0 674	Nfkbib
68184	2236	842	96.33%	105.74 89	1023	93.02%	128.6 252	Denr
72102	6445	841	95.56%	36.644 5	639	93.24%	27.87 405	Dusp11
65114	3169	840	97.48%	74.437 67	757	94.73%	67.15 769	Vps35
gi 149257398 ref X M_001478863.1	5390	840	48.42%	43.764 93	1087	49.96%	56.69 737	-
14011	5541	839	87.35%	42.521 59	748	89.48%	37.95 208	Etv6
319622	6891	837	92.42%	34.109 78	758	80.99%	30.92 495	Itpril2
13204	3009	836	96.78%	78.022 49	768	91.69%	71.75 648	Dhx15
16600	3057	835	90.45%	76.705 54	1000	92.44%	91.96 587	Klf4
19414	4118	835	99.27%	56.942 41	563	96.43%	38.43 653	Rasa3
14784	2624	833	92.80%	89.149 08	804	91.01%	86.14 188	Grb2
56637	8298	832	83.68%	28.156 95	573	77.46%	19.41 348	Gsk3b
19820	7435	832	94.49%	31.425 2	756	88.55%	28.58 663	Rlim

68077	1572	831	96.31%	148.45 14	802	97.65%	143.4 313	Gltscr2
18707	5102	828	91.40%	45.574 89	569	85.99%	31.35 407	Pik3cd
214469	5076	827	96.49%	45.753	640	95.65%	35.44 708	Fam168b
170644	6455	826	92.56%	35.935 15	713	86.97%	31.05 385	Ubn1
17873	1305	826	96.93%	177.74 82	1183	99.23%	254.8 569	Gadd45b
20088	875	825	46.40%	264.77 78	978	39.54%	314.2 338	Rps24
gi 158518430 ref NM_018886.4	2542	825	99.13%	91.141 07	721	96.89%	79.74 103	-
12283	3800	825	93.74%	60.968 58	667	94.87%	49.34 741	Cab39
24109	2667	824	93.33%	86.764 07	810	89.80%	85.38 55	Ubl3
12873	1458	823	98.70%	158.51 78	82	83.13%	15.81 17	Cpa3
12125	5040	821	96.53%	45.745 49	1053	96.94%	58.73 811	Bcl2l11
218203	2983	820	94.84%	77.196 27	721	96.58%	67.95 229	Myliip
99371	8777	820	93.59%	26.236 35	508	78.93%	16.27 195	Arfgef2
13367	4378	819	98.54%	52.534 41	732	96.03%	47.00 645	Diap1
71175	8815	819	94.63%	26.091 39	574	88.19%	18.30 677	Nipbl
66540	3148	819	97.59%	73.060 88	526	96.95%	46.97 569	Fam107b
gi 118130235 ref NM_011103.2	2536	817	97.95%	90.470 82	723	98.15%	80.15 141	-
13885	1618	816	68.91%	141.62 74	841	60.26%	146.1 301	Esd
12757	1199	815	86.57%	190.88 6	923	87.07%	216.4 236	Clta
192196	5062	814	86.13%	45.158 34	627	81.69%	34.82 311	Luc7l2
72503	7554	814	88.81%	30.260 99	563	76.81%	20.95 335	2610507 B11Rik
216965	12411	813	88.81%	18.395 83	603	76.83%	13.65 943	Taok1

75560	10798	813	82.35%	21.143 79	534	63.81%	13.90 337	Ep400
30960	1658	812	96.08%	137.53 31	907	96.74%	153.7 959	Vapa
231147	4549	811	96.57%	50.065 74	882	90.77%	54.50 982	Sh3tc1
gi 82617637 ref N M_175258.3	8212	809	93.29%	27.665 29	506	79.42%	17.32 302	-
433375	2138	808	98.88%	106.13 03	911	98.78%	119.7 934	Creg1
67443	1712	807	99.30%	132.37 49	846	99.65%	138.9 277	Map1lc3 b
15975	7025	805	87.69%	32.179 94	675	89.22%	27.01 342	Ifnar1
16211	5909	803	96.53%	38.162 54	636	93.13%	30.25 974	Kpnb1
70356	1622	802	98.46%	138.85 43	748	98.77%	129.6 501	St13
15896	1168	800	97.17%	192.34 59	1224	97.09%	294.6 19	Icam2
16004	8948	800	89.16%	25.107 28	549	73.64%	17.24 918	Igf2r
276891	2175	799	95.13%	103.16 28	1772	97.56%	229.0 48	Timd4
15381	2844	799	83.05%	78.895 62	919	86.32%	90.84 647	Hnrmpc
66151	1229	799	95.69%	182.57 05	675	93.25%	154.4 095	Prr13
12518	1327	799	80.26%	169.08 75	487	80.41%	103.1 763	Cd79a
67500	4478	798	96.16%	50.044 29	850	95.87%	53.36 505	Ccar1
13548	6035	796	83.41%	37.040 04	700	84.77%	32.60 941	Dyrk1a
63830	83437	796	21.30%	2.6791 07	977	20.60%	3.291 986	Kcnqlot 1
50849	3121	795	97.28%	71.533 43	741	96.76%	66.74 928	Rnf10
18706	8917	793	72.31%	24.974 12	561	71.08%	17.68 749	Pik3ca
54683	688	793	98.69%	323.68 34	1202	98.98%	491.1 771	Prdx5
51796	3732	793	96.81%	59.671 54	619	94.69%	46.63 061	Srrm1

214855	5699	791	84.93%	38.977 46	907	81.05%	44.74 358	Arid5a
74182	3703	791	95.06%	59.987 18	538	92.90%	40.84 611	Gpcpd1
18174	4373	790	95.43%	50.732 16	709	91.63%	45.58 153	Slc11a2
207304	8988	790	83.98%	24.683 1	606	74.19%	18.95 534	Hectd1
107321	1673	788	99.28%	132.27 14	682	99.58%	114.6 068	Lpxn
243819	3812	788	88.85%	58.050 91	566	89.38%	41.74 319	Ppp6r1
20514	2758	787	90.72%	80.133 88	607	94.67%	61.87 519	Slc1a5
22378	1795	787	98.05%	123.12 49	728	98.05%	114.0 221	Wbp2
67281	867	787	42.21%	254.91 26	841	42.68%	272.7 087	Rpl37
22778	5163	787	93.74%	42.806 36	514	86.04%	27.98 872	Ikzf1
12982	1850	784	75.03%	119.00 91	957	74.70%	145.4 328	Csf2ra
11843	2042	784	78.55%	107.81 92	1114	85.95%	153.3 739	Arf4
13682	3174	781	70.57%	69.100 28	602	70.45%	53.32 265	Eif4a2
16331	4938	780	96.07%	44.358 74	669	93.09%	38.08 879	Inpp5d
229096	5306	779	90.12%	41.229 3	628	90.58%	33.27 473	Ythdf3
107723	6631	778	90.88%	32.948 55	528	87.08%	22.38 603	Slc12a6
80291	1278	777	95.93%	170.73 63	796	98.44%	175.1 073	Rilpl2
13197	1224	777	94.04%	178.26 88	1452	97.63%	333.5 088	Gadd45a
11732	3511	777	97.86%	62.147 82	902	99%	72.22 671	Ank
gi 118129873 ref NM_009859.3	2398	776	96.62%	90.875 8	699	95.37%	81.95 022	-
216705	3398	775	96%	64.049 25	840	93.73%	69.49 892	Clint1
gi 38455421 ref NM_153537.3	5482	773	94.02%	39.598 27	944	92.54%	48.41 223	-

12512	959	773	84.05%	226.35 84	715	83.52%	209.6 088	Cd63
13728	4648	772	91.76%	46.643 04	723	90.49%	43.73 149	Mark2
67245	3501	770	95.46%	61.763 84	1109	97.57%	89.05 567	Peli1
329015	6340	769	93.03%	34.062 21	659	91.59%	29.22 256	Atg2a
15939	3272	769	79.13%	66.000 73	884	84.78%	75.95 583	Ier5
12914	7507	768	93.73%	28.729 66	484	82.03%	18.12 596	Crebbp
19731	3887	768	98.89%	55.485 87	999	99.77%	72.25 586	Rgl1
622976	2801	766	94%	76.798 26	1024	97.97%	102.7 801	Gm6377
14362	4395	765	90.53%	48.880 8	509	88.33%	32.55 975	Fzd1
26889	6432	764	91.18%	33.356 7	872	90.62%	38.11 471	Cln8
67097	573	764	61.78%	374.43 33	751	61.08%	368.4 745	Rps10
58223	3410	763	77.77%	62.835 61	334	75.75%	27.53 685	Mmp19
74737	5804	762	91.08%	36.869 16	759	95.93%	36.76 516	Pcf11
12385	3713	762	98.01%	57.632 27	672	96.96%	50.88 227	Ctnna1
16155	1878	761	93.40%	113.79 54	956	97.23%	143.1 148	Il10rb
235626	8350	761	88.17%	25.593 75	441	72.54%	14.84 821	Setd2
20044	606	761	58.91%	352.65 31	759	53.96%	352.1 205	Rps14
72567	5454	760	94.70%	39.132 19	543	87.02%	27.99 025	Bclaf1
26554	2764	759	96.45%	77.115 1	786	97.79%	79.94 782	Cul3
23871	5060	756	96.28%	41.957 25	273	80.91%	15.16 821	Ets1
11972	1617	755	99.01%	131.12 11	812	97.96%	141.1 784	Atp6v0d 1
83490	2615	755	95.64%	81.079 48	579	93.42%	62.24 851	Pik3ap1

19267	5411	755	92.07%	39.183 67	880	93.09%	45.72 221	Ptpre
22384	2409	755	99.09%	88.012 8	670	97.30%	78.19 16	Eif4h
67040	4772	754	90.36%	44.371 76	683	89.10%	40.23 856	Ddx17
24056	2487	752	99.64%	84.913 7	613	98.47%	69.29 578	Sh3bp5
11352	10714	752	84.12%	19.710 69	662	74.54%	17.37 115	Abl2
269261	643	751	50.70%	327.99 31	629	48.83%	275.0 184	Rpl12
14583	6248	751	96.83%	33.754 73	551	89.69%	24.79 321	Gfpt1
gi 148747197 ref NM_013742.4	2749	751	91.74%	76.718 64	744	88%	76.08 873	-
245877	3402	751	94.68%	61.992 81	781	94.50%	64.54 147	Mtap7d1
23943	3687	750	98.89%	57.124 69	621	95.55%	47.35 225	Esyt1
140570	6497	750	90.12%	32.417 84	636	87.87%	27.52 114	Plxb2
170625	4466	750	93.66%	47.160 48	1013	94.18%	63.76 948	Snx18
11501	3034	749	97.13%	69.326 93	865	97.79%	80.15 353	Adam8
13211	4623	748	88.30%	45.437 39	581	90.09%	35.33 25	Dhx9
83431	2387	746	95.52%	87.765 15	954	94.01%	112.3 616	Ndel1
71955	2352	745	95.03%	88.951 78	934	95.79%	111.6 43	Ist1
18124	1884	744	99.84%	110.89 9	559	99.84%	83.41 67	Nr4a3
227195	13529	744	80.14%	15.443 4	494	62.54%	10.26 558	Ino80d
75785	6683	743	89.18%	31.221 45	371	78.47%	15.60 718	Klhl24
16969	5373	742	93.58%	38.781 34	633	87.53%	33.12 142	Zbtb7a
114584	1159	741	94.74%	179.54 38	807	96.89%	195.7 547	Clic1
11810	2265	740	94.30%	91.748 55	594	94.30%	73.72 934	Apobec1

330122	1030	740	90.10%	201.75 77	1235	90.39%	337.0 946	Cxcl3
17869	2399	739	91.45%	86.506 73	547	89.58%	64.10 312	Myc
69276	3966	738	72.57%	52.256 38	892	65.48%	63.23 161	Sec62
13709	4217	738	91.01%	49.146 03	607	88.62%	40.46 758	Elf1
71770	5411	738	96.71%	38.301 39	529	88.71%	27.48 529	Ap2b1
53421	3039	738	98.12%	68.196 39	724	97.50%	66.97 766	Sec61a1
20918	1242	738	62.24%	166.86 7	1095	63.37%	247.8 647	Eif1
114874	5198	738	85.53%	39.870 88	518	80.11%	28.01 661	Ddhd1
71704	3585	737	96.40%	57.731 66	662	94.23%	51.91 477	Arhgef3
107368	7076	736	87.13%	29.209 61	533	78.76%	21.17 686	Pdzd8
66882	2833	735	91.92%	72.857 87	698	89.87%	69.26 773	Bzw1
22329	3398	734	88.67%	60.660 84	312	85.11%	25.81 388	Vcam1
109934	5263	734	90.96%	39.165 02	747	89.32%	39.90 335	Abr
19877	6187	734	88.46%	33.315 91	777	86.76%	35.30 718	Rock1
18021	6032	733	94.66%	34.125 45	360	85.76%	16.77 889	Nfatc3
227723	10704	733	83.88%	19.230 63	524	69.35%	13.76 282	Prrc2b
224105	4135	732	97.78%	49.713 15	567	96.76%	38.55 047	Pak2
227333	5694	731	95.40%	36.052 52	423	84.42%	20.88 551	Dgkd
17228	1086	730	95.76%	188.76 82	97	88.67%	25.11 1	Cma1
101685	5240	729	93.24%	39.068 97	612	90.55%	32.83 54	Spty2d1
17227	990	728	98.18%	206.50 56	53	87.68%	15.05 091	Mcpt4
68703	7458	727	87.93%	27.374 6	563	82.50%	21.22 307	Rere

252870	5427	727	87.89%	37.619 26	602	85.09%	31.18 594	Usp7
208606	4234	726	63.75%	48.152 79	642	59.40%	42.62 911	Rsrc2
57259	3994	726	96.34%	51.046 3	733	94.94%	51.59 624	Tob2
68365	3100	726	95.10%	65.767 39	619	93.97%	56.13 724	Rab14
gi 118130134 ref N M_152808.2	3435	726	95.28%	59.353 4	526	92.40%	43.05 079	-
30930	3104	724	79.54%	65.501 7	681	83.60%	61.68 045	Vps26a
gi 118130451 ref N M_028230.3	2280	722	96.84%	88.927 9	613	98.29%	75.58 711	-
15525	4657	722	92.55%	43.537 82	633	84.20%	38.21 374	Hspa4
93684	1515	721	83.63%	133.64 67	733	79.54%	136.0 233	15-Sep
67804	2013	719	97.67%	100.30 46	628	96.77%	87.70 775	Snx2
353047	5144	718	97.82%	39.197 57	476	90.86%	26.01 526	Plekhm1
68465	3963	718	97.53%	50.878 71	661	93.77%	46.89 208	Adipor2
16341	1541	716	78.84%	130.48 06	731	81.51%	133.3 635	Eif3e
14693	1593	715	98.87%	126.04 51	771	98.56%	136.0 695	Gnb2
212168	4348	714	95.70%	46.115 23	961	96.07%	62.13 781	Zswim4
75423	5212	713	91.04%	38.416 77	520	88.01%	28.04 924	Arl5a
20525	2573	712	96.39%	77.709 82	822	97.67%	89.81 609	Slc2a1
217069	5596	711	93.62%	35.680 23	471	92.32%	23.66 276	Trim25
68420	3316	710	95.66%	60.128 38	662	97.74%	56.12 619	Ankrd13 a
226089	6282	710	90.45%	31.739 21	447	83.35%	20.00 468	C030046 E11Rik
56338	2801	708	97.57%	70.983 25	255	91.90%	25.59 465	Txnip
gi 121674796 ref N M_008917.2	2478	708	97.09%	80.235 7	872	97.38%	98.93 212	-

14528	2764	708	96.92%	71.933 46	984	95.41%	100.0 873	Gch1
26401	6963	706	87.16%	28.473 71	418	74.32%	16.87 726	Map3k1
100494	3191	705	93.26%	62.043 75	665	91.23%	58.58 912	Zfand2a
76199	9315	705	89.41%	21.254 06	472	73.84%	14.24 562	Med13l
14020	5849	704	95.11%	33.800 78	545	91.49%	26.19 612	Evi5
11840	1991	704	76.24%	99.297 22	738	77.95%	104.2 095	Arf1
11845	3740	704	93.74%	52.861 17	556	93.80%	41.79 509	Arf6
22436	4587	702	96.84%	42.977 79	820	95.55%	50.25 823	Xdh
18789	4518	702	98.49%	43.634 16	563	92.98%	35.03 356	Papola
110962	4046	702	97.58%	48.724 45	526	94.34%	36.54 955	Mbd6
17261	2459	701	96.10%	80.056 24	531	92.35%	60.70 97	Mef2d
268470	3974	701	83.84%	49.536 56	680	83.14%	48.10 643	Ube2z
53313	4606	698	97.63%	42.556 63	805	98.09%	49.13 535	Atp2a3
gi 165905614 ref NM_007782.2	3372	698	88.23%	58.130 43	655	84.05%	54.61 046	-
104015	7085	697	88.54%	27.626 68	520	80.07%	20.63 41	Synj1
74022	3365	696	93.34%	58.084 45	629	95.19%	52.55 181	Glyr1
54375	5028	695	80.71%	38.817 29	648	79.89%	36.23 28	Azin1
16905	3152	695	94.23%	61.920 48	664	95.75%	59.22 485	Lmna
11740	1238	695	85.86%	157.65 21	813	86.59%	184.6 256	Slc25a5
230738	2805	694	98.29%	69.480 4	1262	98.50%	126.4 878	Zc3h12a
106572	3476	694	95.68%	56.068 04	620	96.84%	50.14 574	Rab31
100182	5513	694	95.21%	35.351 45	442	90.97%	22.54 013	Akna

16193	1087	694	83.16%	179.29 4	2078	98.53%	537.4 501	Il6
20852	3805	694	97.92%	51.220 11	545	95.37%	40.26 836	Stat6
18807	2246	694	93.19%	86.773 16	554	91.81%	69.34 611	Pld3
17969	2721	694	98.97%	71.625 33	646	98.57%	66.74 613	Ncf1
244237	2977	693	95.13%	65.371 75	465	93.08%	43.91 332	Tnfrsf26
114863	3619	692	67.53%	53.697 4	682	67.86%	52.98 073	Prosc
15277	5524	692	57.28%	35.179 38	909	58.64%	46.26 284	Hk2
71722	6104	691	87.81%	31.790 64	539	84.39%	24.82 541	Cic
12465	1769	691	97.23%	109.69 48	711	96.21%	112.9 962	Cct5
21881	3207	690	69.88%	60.420 71	667	68.07%	58.47 214	Tkt
433256	3167	689	86.55%	61.095 17	855	85.29%	75.89 972	Acs15
100213	5295	688	91.39%	36.488 68	528	89.03%	28.03 432	Rusc2
19155	4161	687	93.34%	46.365 48	637	91.66%	43.03 916	Npepps
12145	2636	686	96.85%	73.082 67	491	96.32%	52.36 706	Cxcr5
71409	5851	686	87.08%	32.925 3	446	79.37%	21.43 023	Fmnl2
19766	4512	686	94.86%	42.696 35	676	91.20%	42.12 11	Ripk1
217692	7717	685	81.05%	24.927 45	390	70.55%	14.20 817	Sipa111
228005	6297	684	56.90%	30.504 09	989	52.63%	44.15 549	Ppig
53319	2312	683	96.80%	82.959 97	583	93.47%	70.89 292	Nxf1
104458	2140	683	97.85%	89.627 78	593	96.68%	77.90 459	Rars
547253	7251	682	91.10%	26.413 27	803	88.42%	31.13 435	Parp14
12648	7918	682	86.99%	24.188 26	581	83.19%	20.62 922	Chd1

14376	3859	682	97.51%	49.630 12	624	95.59%	45.46 026	Ganab
74365	7392	681	89.65%	25.871 46	522	84.47%	19.85 321	Lonrf3
381305	11011	680	85.67%	17.342 75	479	71.21%	12.23 012	Rc3h1
15191	2257	680	92.42%	84.608 32	732	92.91%	91.18 043	Hdgf
105239	4008	679	93.79%	47.574 89	512	87.62%	35.91 405	Rnf44
67630	6997	679	89.62%	27.251 7	569	81.72%	22.86 244	Samd8
110095	2821	679	96.92%	67.593 11	888	97.24%	88.49 77	Pygl
52915	4203	678	93.79%	45.300 81	430	90.60%	28.76 28	Zmiz2
67812	4093	678	90.08%	46.518 28	746	94.38%	51.24 119	Ubxn4
gi 149254424 ref X M_001479335.1	4111	678	45.49%	46.314 6	718	42.30%	49.10 199	-
109624	4035	677	97.27%	47.117 35	432	96.16%	30.09 971	Cald1
12483	4097	677	93.04%	46.404 32	400	86.04%	27.44 834	Cd22
106504	3288	676	97.99%	57.736 52	385	94.65%	32.91 933	Stk38
66335	2117	675	96.74%	89.540 32	617	96.32%	81.93 82	Atp6v1c 1
gi 33147081 ref N M_057171.1	3708	673	91.34%	50.969 58	610	94.23%	46.25 005	-
227541	7128	672	91.78%	26.475 08	648	87.28%	25.55 815	Camk1d
108155	5384	671	95.39%	34.998 8	440	85.94%	22.97 575	Ogt
20320	2077	670	93.69%	90.588 7	744	91.82%	100.7 067	Nptn
208263	4302	670	88.73%	43.736 11	576	86.45%	37.64 213	Tor1aip1
106143	4382	670	96.74%	42.937 64	555	90.96%	35.60 76	Cggbp1
228545	4054	669	94.06%	46.342 35	744	95.39%	51.59 544	Vps18
23942	3149	669	94.35%	59.660 81	618	95.40%	55.17 444	Mta2

64008	2644	668	98.71%	70.949 73	610	96.22%	64.86 202	Aqp9
16362	2151	667	94.93%	87.080 54	742	95.03%	96.98 077	Irf1
56381	12299	667	79.27%	15.229 71	332	58.39%	7.589 102	Spn
64381	1116	667	96.68%	167.84 07	770	96.86%	193.9 763	Ms4a8a
66629	2657	666	96.58%	70.391 2	665	96.91%	70.36 427	Golph3
76650	2583	666	98.84%	72.407 83	801	99.38%	87.18 268	Srxn1
59287	2864	666	93.33%	65.303 57	619	92.84%	60.76 308	Ncstn
235567	7697	664	87.89%	24.226 03	431	76.52%	15.74 265	Dnajc13
66661	3605	664	96.06%	51.724 76	615	96.14%	47.96 141	Srp72
192231	3401	664	94.62%	54.827 34	702	94.41%	58.03	Hexim1
320790	9444	664	79.69%	19.744 58	661	75.78%	19.67 739	Chd7
231580	4453	664	98.63%	41.874 64	524	94.59%	33.08 268	Gak
20382	1903	663	76.72%	97.838 65	699	75.30%	103.2 667	Srsf2
226652	4509	663	94.41%	41.292 29	381	89.07%	23.75 565	Arhgap3 0
20586	6376	663	87.56%	29.201 22	502	87.85%	22.13 49	Smarca4
331401	7631	663	90.45%	24.398 76	708	90.17%	26.08 398	Thoc2
231931	1612	662	97.46%	115.32 64	556	97.70%	96.96 877	Gimap6
114143	996	661	98.69%	186.37 08	677	98.90%	191.0 959	Atp6v0b
58194	5029	661	79.88%	36.910 98	700	79.04%	39.13 258	Sh3kbp1
234779	4345	660	96.85%	42.656 96	659	95.24%	42.64 005	Plcg2
69863	8764	660	92.71%	21.148 39	556	87.44%	17.83 588	Ttc39b
269346	3904	660	59.09%	47.475 53	404	51.54%	29.09 335	Slc28a2

74653	3601	659	95.67%	51.392 29	728	93.56%	56.83 69	4930444 A02Rik
69227	3575	655	93.37%	51.451 85	607	89.20%	47.73 476	2810407 C02Rik
50772	4116	654	41.79%	44.620 88	1006	41.59%	68.71 392	Mapk6
228790	6674	654	92.49%	27.518 66	539	89.87%	22.70 517	Asx11
673094	950	654	98.53%	193.32 58	858	97.47%	253.9 135	Cd99
72033	8829	653	73.17%	20.770 04	763	71.42%	24.29 602	Tsc22d2
19735	3009	653	90.13%	60.943 4	394	84.51%	36.81 257	Rgs2
72611	4072	653	95.21%	45.034 06	529	95.58%	36.52 33	Zfp655
16889	2991	652	96.42%	61.216 27	609	95.39%	57.24 308	Lipa
16201	3645	652	97.37%	50.232 61	572	97.42%	44.11 849	Ilf3
12721	1616	651	96.97%	113.12 94	407	96.72%	70.80 683	Coro1a
17229	1088	651	99.82%	168.03 04	61	88.42%	15.76 243	Tpsb2
17918	11684	651	79.34%	15.646 79	430	66.42%	10.34 663	Myo5a
24010	1996	651	96.64%	91.591 71	686	96.54%	96.62 415	Ik
72472	5394	650	94.90%	33.840 61	663	95.33%	34.55 61	Slc16a10
50797	3043	649	97.08%	59.893 33	540	92.51%	49.89 005	Copb2
83486	3104	647	98%	58.535 36	485	96.71%	43.92 807	Rbm5
17060	2097	646	91.08%	86.510 69	503	83.12%	67.43 598	Blnk
12925	460	645	86.96%	393.76 54	549	86.74%	335.5 341	Crip1
98238	2810	645	91.60%	64.459 82	669	91.57%	66.93 325	Ltrc59
22323	2270	645	93.22%	79.793 88	597	95.33%	73.93 849	Vasp
19045	1363	644	87.16%	132.68 62	697	87.23%	143.7 669	Ppp1ca

74732	2396	644	97.95%	75.480 5	874	97.83%	102.5 526	Stx11
14387	3756	644	91.03%	48.149 97	632	92.81%	47.30 572	Gaa
70686	5124	644	95.30%	35.294 94	631	92.70%	34.62 122	Dusp16
51792	2256	644	99.16%	80.164 57	642	97.92%	80.00 517	Ppp2r1a
20462	2135	643	89.27%	84.576 32	764	90.44%	100.6 045	Tra2b
242248	3248	642	96.09%	55.507 89	431	91.75%	37.30 64	Bank1
17133	1800	642	99.50%	100.16 09	1400	99.78%	218.6 642	Maff
72729	3138	642	89.45%	57.453 67	574	84.35%	51.42 58	Cdc42se 2
69562	7081	641	76.06%	25.421 38	530	70.98%	21.04 279	Cdk13
11487	4605	640	96.24%	39.028 88	500	89.64%	30.52 548	Adam10
gi 157041259 ref N M_013511.2	4271	640	91.17%	42.081 01	572	88.11%	37.65 205	-
67712	4162	640	94.07%	43.183 08	922	97.65%	62.28 034	Slc25a37
319263	5235	639	89.05%	34.278 35	409	82.46%	21.96 488	Pcmt1d1
108989	7550	639	46.66%	23.767 83	533	45.75%	19.84 734	Tpr
227929	5735	639	83.50%	31.289 83	471	68.98%	23.08 924	Cytip
56407	3219	638	95.46%	55.659	480	92.82%	41.92 204	Trpc4ap
226519	7622	638	89.70%	23.506 47	369	72.58%	13.61 067	Lamc1
225876	7268	638	86.14%	24.651 39	432	72.06%	16.71 056	Kdm2a
12916	2797	638	76.58%	64.056 61	558	71.51%	56.08 721	Crem
19349	624	638	99.20%	287.12 55	584	99.68%	263.1 179	Rab7
16898	1005	637	29.25%	177.99 55	766	28.56%	214.2 816	Rps2
19055	2194	637	96.95%	81.533 96	673	98.04%	86.23 837	Ppp3ca

22324	4168	637	92.42%	42.918 79	472	89.44%	31.83 731	Vav1
54189	5438	637	95.37%	32.895 46	478	90.18%	24.71 217	Rabep1
66725	8231	637	87.02%	21.733 14	388	73.73%	13.25 26	Lrrk2
18187	6739	637	92.79%	26.544 81	285	67.41%	11.88 972	Nrp2
20971	2460	636	98.78%	72.603 53	1145	98.90%	130.8 557	Sdc4
gi 41053863 ref N M_183208.2	5397	636	95.24%	33.093 33	401	89.38%	20.88 883	-
117198	3513	636	93.37%	50.841 07	481	88.81%	38.49 365	Ivns1abp
66676	3452	635	90.70%	51.658 13	540	88.30%	43.97 897	Tmed7
22793	2454	635	91.08%	72.666 61	651	92.71%	74.58 106	Zyx
67819	3145	635	80.32%	56.700 75	631	80.41%	56.40 672	Der11
19383	1794	634	84.95%	99.243 6	711	81.44%	111.4 216	Raly
21413	7462	634	83.33%	23.859 96	528	76.91%	19.89 302	Tcf4
14123	2650	633	98.19%	67.080 08	564	96.87%	59.83 501	Fbrs
16443	13976	632	32.33%	12.699 01	616	35.83%	12.39 139	Itsn1
12974	2828	632	97.28%	62.758 62	647	96.32%	64.32 014	Cs
gi 124358949 ref N M_146019.2	7194	631	91.59%	24.631 71	464	82.03%	18.13 3	-
11776	4730	631	95.56%	37.463 12	537	91.40%	31.91 797	Ap3d1
226747	8831	629	81.71%	20.002 14	417	73.54%	13.27 542	Ahctf1
12142	5143	629	97.47%	34.345 5	339	87.44%	18.53 127	Prdm1
12727	4620	629	90.50%	38.233 53	733	89%	44.60 506	Clcn4-2
12282	4432	628	94.49%	39.791 98	535	91.85%	33.93 721	Hyou1
66396	4665	626	80.02%	37.684 12	474	77.28%	28.56 596	Ccdc82

gi 149259591 ref X R_034155.1	9679	625	47.50%	18.133 65	372	44.06%	10.80 524	-
76936	2532	625	97.79%	69.318 96	620	95.66%	68.84 147	Hrnpm
22763	4612	624	95.01%	37.995 4	531	96.60%	32.36 886	Zfr
14852	6856	624	86.65%	25.559 33	632	86.48%	25.91 602	Gspt1
11977	8146	624	86.88%	21.511 76	491	75.94%	16.94 569	Atp7a
232227	6490	623	86.09%	26.957 47	356	73.76%	15.42 153	Iqsec1
16649	3726	622	97.67%	46.879 53	595	94.82%	44.89 482	Kpna4
216984	3944	622	66.02%	44.288 32	543	70.23%	38.70 66	Evi2b
13589	7330	621	83.22%	23.791 58	623	78.13%	23.89 495	Mapre1
106869	3368	621	82.19%	51.779 19	670	80.05%	55.92 743	Tnfaip8
104418	4090	620	85.94%	42.570 04	433	77.33%	29.76 369	Dgkz
18010	3850	620	79.79%	45.223 76	534	71.95%	38.99 444	Neu1
16541	1479	620	88.84%	117.72 24	384	88.17%	72.99 366	Napsa
231834	2652	619	98.27%	65.547	738	97.21%	78.23 57	Snx8
12227	3083	619	86.25%	56.383 6	687	90.89%	62.64 773	Btg2
233726	3117	619	99.42%	55.768 58	441	95.73%	39.77 626	Ipo7
50918	3017	619	90.52%	57.617 05	563	88.80%	52.46 325	Myadm
12182	2336	619	94.14%	74.413 81	648	96.45%	77.98 737	Bst1
210029	2468	619	79.09%	70.433 81	722	72.57%	82.24 588	Metrl
57436	1773	617	96.62%	97.726 45	676	98.65%	107.1 914	Gabarapl 1
209212	2647	615	95.88%	65.246 45	728	97.05%	77.32 137	Osgin2
20479	3272	615	83.53%	52.783 42	655	87.96%	56.27 949	Vps4b

gi 146198855 ref N M_001033245.3	3167	615	98.26%	54.533 42	611	96.24%	54.23 945	-
19698	2218	613	97.07%	77.613 03	573	95.63%	72.62 986	Relb
338365	4386	613	99.02%	39.248 91	544	93.55%	34.87 004	Slc41a2
74081	13307	613	72.62%	12.936 48	420	59.83%	8.873 424	Cep350
69162	4244	613	96.82%	40.562 14	574	89.63%	38.02 407	Sec31a
239528	8031	613	93.34%	21.435 15	263	69.75%	9.206 79	Eif2c2
78943	3976	612	97.91%	43.225 57	347	96.13%	24.53 608	Ern1
104318	3749	612	96.40%	45.842 86	508	95.04%	38.09 521	Csnk1d
11852	2264	611	98.19%	75.788 01	433	94.08%	53.76 92	Rhob
223601	3808	611	66.05%	45.058 84	607	57.46%	44.81 402	Fam49b
67248	394	611	92.89%	435.49 25	689	82.74%	491.6 376	Rpl39
69232	3362	611	96.67%	51.036 3	521	95.33%	43.56 745	Qrich1
gi 87299636 ref N M_001039520.1	3483	610	95.49%	49.182 67	517	96.55%	41.73 104	-
gi 170650622 ref N M_019808.2	3975	610	73.08%	43.095 15	450	71.90%	31.82 713	-
105689	15269	609	66.67%	11.200 63	530	56.51%	9.758 597	Mycbp2
74838	6090	608	84.84%	28.036 38	723	78.57%	33.37 668	Naa15
83429	3010	608	84.52%	56.724 78	527	84.02%	49.22 279	Ctns
15163	2031	608	98.33%	84.067 74	739	99.06%	102.2 955	Hcls1
192185	3053	607	94.20%	55.833 85	592	95.28%	54.51 513	Nadk
66168	1693	607	99%	100.68 56	553	99.17%	91.83 121	Grina
224109	3559	607	81.37%	47.895 69	345	71.62%	27.25 293	Lrrc33
234135	9945	606	74.06%	17.112 11	518	68.04%	14.64 357	Whsc111

228852	6392	606	85.39%	26.623 89	351	70.82%	15.43 805	Ppp1r16 b
93687	2013	605	99.55%	84.400 95	713	99.06%	99.57 903	Csnk1a1
18242	2155	604	95.59%	78.709 18	637	96.06%	83.10 254	Oat
14155	6505	604	91.13%	26.075 06	623	90.59%	26.92 544	Fem1b
65107	3013	604	95.15%	56.295 48	543	92.83%	50.66 672	Lrp10
108100	3186	604	94.44%	53.238 63	675	97.08%	59.56 349	Baiap2
242687	4088	603	97.80%	41.423 06	360	94.59%	24.75 79	Wasf2
12143	2475	602	97.29%	68.305 71	388	94.14%	44.07 361	Blk
321022	4051	602	72.50%	41.732 07	674	67.79%	46.77 564	Cdv3
14466	1938	602	92.83%	87.232 52	559	96.90%	81.09 24	Gba
17524	2458	601	81%	68.663 87	691	89.42%	79.03 479	Mpp1
192652	6976	601	91.56%	24.193 78	365	70.83%	14.70 986	Wdr81
105504	4659	601	91.07%	36.225 76	558	90.73%	33.67 159	Exoc5
192195	11293	601	78.39%	14.945 17	373	62.56%	9.285 849	Ash11
22019	4649	600	93.89%	36.243 27	586	95.93%	35.43 726	Tpp2
243910	2010	600	97.66%	83.828 35	1052	97.86%	147.1 437	Nfkbid
107182	8509	600	85.34%	19.801 97	416	71.22%	13.74 475	Btaf1
170760	3487	600	93.60%	48.320 9	588	92.80%	47.40 755	Acbd3
18087	7026	599	87.92%	23.941 67	492	85.61%	19.68 698	Nktr
78610	3438	599	96.19%	48.927 91	622	93.02%	50.86 355	Uvrag
110052	2606	598	98.04%	64.441 03	540	97.54%	58.25 611	Dek
69718	5432	597	92.42%	30.863 86	493	87.63%	25.51 581	Ipmk

22166	1051	597	56.33%	159.51 71	878	52.62%	234.8 626	Txn1
12394	7137	597	91.03%	23.490 61	596	92.77%	23.47 754	Runx1
71310	5864	596	88.92%	28.542 24	339	79.37%	16.25 279	Tbc1d9
229003	10124	596	84.16%	16.532 17	486	65.82%	13.49 604	BC0067 79
83921	6667	596	89.68%	25.104 5	876	85.68%	36.93 99	Tmem2
270110	4530	596	94.42%	36.947 39	531	85.76%	32.95 478	Irf2bp2
16956	4049	596	65.05%	41.336 55	809	66.56%	56.17 238	Lpl
109168	6485	594	87%	25.722 44	350	74.91%	15.17 33	Atl3
13654	2972	594	97.71%	56.127 2	673	97.04%	63.66 319	Egr2
72117	4526	594	92.82%	36.855 95	620	90.57%	38.51 228	Naa50
14360	3544	594	91.39%	47.068 29	470	90.69%	37.28 432	Fyn
83701	3039	594	95.69%	54.889 78	560	95.29%	51.80 593	Srrt
16421	2696	592	96.74%	61.664 83	832	97.66%	86.76 12	Itgb7
27399	4429	592	97.02%	37.536 32	414	91.89%	26.27 948	Ip6k1
11800	3702	592	80.09%	44.907 72	512	80.28%	38.88 263	Api5
12314	1216	592	87.91%	136.71 74	579	88.57%	133.8 65	Calm2
21849	3255	591	78.77%	50.988 5	461	77.36%	39.81 732	Trim28
11847	1417	591	80.17%	117.12 6	612	80.66%	121.4 238	Arg2
gi 118130692 ref N M_008676.2	4444	590	96.87%	37.283 24	426	92.06%	26.94 993	-
227648	8754	590	85.97%	18.926 97	371	70.22%	11.91 487	Sec16a
18987	3323	590	98.07%	49.860 59	444	96.12%	37.56 425	Pou2f2
83946	10729	590	83.42%	15.442 89	476	70.38%	12.47 297	Phip

18193	12784	589	74.81%	12.938 51	366	61.14%	8.048 898	Nsd1
22433	1817	589	96.86%	91.032 42	755	99.01%	116.8 192	Xbp1
104263	4868	588	90.39%	33.920 52	500	88.29%	28.87 63	Kdm3a
269966	4070	588	93.83%	40.571 27	405	89.78%	27.97 581	Nup98
gi 16716508 ref N M_053202.1	2118	588	98.44%	77.962 74	500	97.59%	66.36 914	-
67475	4255	588	95.91%	38.807 3	379	92.69%	25.04 158	Ero11b
16598	1816	587	95.43%	90.773 27	292	88.71%	45.20 528	Klf2
107767	3605	586	99.36%	45.648 66	570	97.89%	44.45 204	Scamp1
103963	3642	586	61.26%	45.184 91	559	61.67%	43.15 131	Rpn1
29808	13931	586	71.24%	11.812 75	364	55.05%	7.345 836	Mga
218210	6021	585	88.03%	27.284 94	402	80.63%	18.77 066	Nup153
54198	1377	584	85.91%	119.10 08	577	82.93%	117.8 051	Snx3
104215	4159	584	82.78%	39.432 98	488	78.96%	32.98 777	Rhoq
16878	4015	584	92.58%	40.847 27	2482	94.30%	173.7 954	Lif
gi 149261251 ref X M_001473421.1	7326	583	41.74%	22.347 93	458	41.80%	17.57 603	-
22210	2141	583	85.24%	76.469 38	521	87.58%	68.41 371	Ube2b
233908	1845	583	81.36%	88.737 64	672	88.35%	102.3 988	Fus
211286	2447	583	97.30%	66.906 81	611	96.53%	70.19 875	Cln5
19157	3179	582	95.06%	51.412 43	535	95.47%	47.31 353	Cyth1
110960	2636	582	98.52%	62.003 08	440	96.93%	46.92 771	Tars
320632	6740	581	91.38%	24.207 61	400	78.12%	16.68 485	Snrnp20 0
64383	1863	581	96.83%	87.578 8	584	96.94%	88.12 966	Sirt2

20924	3561	581	97.44%	45.818 39	570	96.69%	45.00 129	Supt5h
75234	2532	580	94.04%	64.327 99	563	89.53%	62.51 249	Rnf19b
18439	4931	580	95.82%	33.031 53	478	88.66%	27.25 304	P2rx7
64652	5606	580	91.71%	29.054 31	519	89.58%	26.02 774	Nisch
80876	646	579	73.68%	251.69 92	733	78.48%	319.0 021	Ifitm2
78920	2767	579	96.13%	58.763 16	461	94.94%	46.83 968	Dlst
15212	1922	578	91.83%	84.452 04	686	91.78%	100.3 443	Hexb
14357	3715	578	95.10%	43.692 28	336	84.79%	25.42 744	Dtx1
231386	3034	577	97.89%	53.406 72	590	94%	54.67 119	Ythdc1
73274	3624	577	92.27%	44.711 92	555	88.27%	43.05 533	Gpbp1
69780	2923	576	94.01%	55.338 75	411	91%	39.53 076	Smap2
26405	10791	576	79.24%	14.989 82	477	70.32%	12.42 736	Map3k2
72895	6470	576	92.83%	25.000 8	368	77.94%	15.99 063	Setd5
97212	3835	575	70.30%	42.105 44	557	70.14%	40.83 306	Hadha
20926	6201	575	58.99%	26.040 05	565	56.14%	25.61 585	Supt6h
72265	2888	573	87.74%	55.717 7	562	93.59%	54.70 931	Tram1
56431	1918	572	88.74%	83.749 68	581	86.50%	85.16 274	Dstn
18037	2422	571	99.50%	66.206 05	591	99.05%	68.60 179	Nfkbie
gi 90669982 ref N M_053009.2	6541	570	54.87%	24.471 83	510	54.47%	21.92 038	-
18432	4215	570	96.75%	37.976 33	489	91.79%	32.61 62	Mybbp1 a
116848	8369	568	89.02%	19.059 45	338	69.21%	11.35 443	Baz2a
211770	4026	567	86.02%	39.549 86	723	83.63%	50.48 782	Trib1

17386	2675	567	97.91%	59.524 39	285	89.91%	29.95 32	Mmp13
19346	3243	567	91.27%	49.098 91	506	88.50%	43.86 576	Rab6a
228836	4867	567	53.03%	32.715 79	567	52.93%	32.75 245	Dlgap4
20194	650	565	96.15%	244.10 17	696	97.69%	301.0 357	S100a10
70497	3551	565	91.10%	44.682 09	476	90.45%	37.68 586	Arhgap1 7
74343	2647	565	90.86%	59.941 86	544	94.52%	57.77 861	Crtc2
18000	3267	565	95.19%	48.566 3	552	96.69%	47.50 202	2-Sep
67742	1845	565	94.42%	85.997 89	1085	98.54%	165.3 315	Samsn1
67772	8190	564	84.59%	19.338 86	354	64.85%	12.15 182	Chd8
75345	3977	564	89.01%	39.825 32	326	85.77%	23.04 539	Slamf7
109019	2838	563	95.56%	55.709 81	477	90.20%	47.25 286	Nabp1
234839	8216	563	79.07%	19.243 48	462	70.58%	15.80 897	Fam38a
19357	3632	563	96.04%	43.530 96	427	91.80%	33.05 249	Rad21
68774	1401	563	96%	112.85 11	551	97%	110.5 696	Ms4a6d
12469	2391	563	91.30%	66.124 82	527	92.22%	61.96 596	Cct8
gi 133893356 ref N M_007616.3	2487	562	96.78%	63.459 44	571	97.63%	64.54 795	-
58172	5730	562	87.07%	27.543 39	621	87.49%	30.46 906	Sertad2
55935	4691	562	85.93%	33.643 92	380	83.59%	22.77 405	Fnbp4
654820	2380	562	89.79%	66.312 45	877	89.66%	103.5 964	G530011 O06Rik
230784	2677	561	99.14%	58.850 51	459	96.79%	48.20 437	Sesn2
22221	3857	561	83.28%	40.845 94	429	79.23%	31.27 014	Ubp1
11429	2785	561	95.98%	56.568 33	554	91.42%	55.92 509	Aco2

213053	4927	561	88.74%	31.975 4	422	90.89%	24.07 975	Slc39a14
58231	5189	561	95.43%	30.360 92	338	83.54%	18.31 282	Stk4
213827	3470	561	89.86%	45.401 38	612	87.20%	49.58 429	Arcn1
232989	2884	560	99.24%	54.529 12	456	96.57%	44.45 204	Hnrnpul 1
224139	11025	560	74.67%	14.264 13	382	63.87%	9.741 075	Golgb1
231051	16820	560	66.02%	9.3497 01	411	50.96%	6.869 703	Mll3
27979	2966	560	83.85%	53.021 57	550	79.43%	52.13 311	Eif3b
24015	3813	559	90.01%	41.169 99	455	90.11%	33.54 801	Abce1
14701	4264	559	91.79%	36.815 47	534	93.32%	35.20 839	Gng12
73130	3751	559	51.67%	41.850 48	657	54.17%	49.24 254	Tmed5
56041	3914	559	92.95%	40.107 6	514	94.71%	36.92 023	Uso1
378702	3029	558	51.67%	51.733 35	763	52.29%	70.81 861	Serf2
104759	1978	557	98.08%	79.079 63	611	97.37%	86.84 344	Pld4
108960	3209	557	88.81%	48.744	435	89.56%	38.11 024	Irak2
gi 118129927 ref NM_010147.3	2493	556	97.59%	62.630 84	501	94.18%	56.49 858	-
20501	4426	556	69.79%	35.277 6	578	70.04%	36.71 458	Slc16a1
gi 146198676 ref NM_207217.3	2629	555	99.13%	59.284 08	596	99.54%	63.73 497	-
28109	3535	555	97.11%	44.089 92	582	96.18%	46.28 664	D10Wsu 102e
76055	4797	555	93.95%	32.490 69	414	88.66%	24.26 346	Mgea5
192193	5858	555	90.30%	26.605 98	416	78.15%	19.96 485	Edem1
16430	2697	555	98.67%	57.789 34	513	98.26%	53.47 595	Stt3a
73834	1410	555	93.12%	110.53 75	556	90.71%	110.8 607	Atp6v1d

320165	7695	555	87.42%	20.254 43	426	73.63%	15.56 407	Tacc1
70231	2484	555	90.94%	62.744 71	488	94.36%	55.23 195	Gorasp2
279572	4014	554	97.83%	38.758 6	579	97.96%	40.55 303	Tlr13
70097	7183	553	62.54%	21.619 96	576	59.99%	22.54 44	Sash1
223593	4038	552	95.22%	38.389 15	414	93.34%	28.82 413	E430025 E21Rik
230594	6054	552	82.77%	25.605 45	491	79.90%	22.80 138	Zcchc11
70572	4598	552	88.02%	33.713 65	467	84.86%	28.55 42	Ipo5
26431	5027	551	93.36%	30.780 7	435	92.38%	24.32 778	Git2
75089	6446	551	93.61%	24.004 74	409	84.47%	17.83 837	Uhrf1bp 11
74123	4056	550	93.47%	38.080 31	497	91.30%	34.44 931	Foxp4
20652	4785	550	90.26%	32.278 73	376	86.14%	22.09 164	Soat1
11520	1887	550	91.36%	81.851 47	488	87.81%	72.70 596	Plin2
56458	5552	549	90.22%	27.768 89	434	84.31%	21.97 67	Foxo1
103583	4019	548	91.59%	38.291 14	436	93.68%	30.49 935	Fbxw11
24017	2676	548	93.87%	57.508 25	455	91.70%	47.80 215	Rnf13
20591	6267	548	89.47%	24.555 94	410	79.99%	18.39 273	Kdm5c
101943	4299	547	97.12%	35.731 86	480	90.44%	31.39 033	Sf3b3
16402	4397	546	91.18%	34.871 6	1117	92.72%	71.41 983	Itga5
77853	4934	546	84.52%	31.076 29	563	87.45%	32.07 978	Msl2
19224	2864	546	95.74%	53.537 16	785	96.68%	77.05 818	Ptgs1
16423	1928	546	97.46%	79.528 23	397	96.89%	57.89 027	Cd47
17936	5098	546	69.56%	30.076 58	590	69.30%	32.53 676	Nab1

269061	3604	545	95.73%	42.466 59	437	90.34%	34.08 935	Cpsf7
67123	2716	545	91.57%	56.351 11	536	91.86%	55.48 264	Ubap1
68135	1254	545	81.90%	122.04 91	638	83.73%	143.0 36	Eif3h
19015	3240	544	98.15%	47.150 86	557	95.93%	48.33 173	Ppard
217615	2930	544	88.77%	52.139 52	464	90.58%	44.52 178	Ctage5
71268	3260	544	83.56%	46.861 59	536	86.13%	46.22 419	Lrrfip2
19821	3028	544	96.10%	50.452 04	459	97.82%	42.61 661	Rnf2
21812	5735	544	93.83%	26.637 97	477	85.86%	23.38 337	Tgfbf1
11991	6810	543	38.27%	22.391 77	530	42%	21.88 018	Hnrnpd
20687	4191	543	88.31%	36.384 62	356	84.90%	23.88 111	Sp3
226971	3317	543	97.05%	45.971 65	462	97.32%	39.15 783	Plekhb2
13198	879	543	93.63%	173.47 89	544	94.65%	173.9 931	Ddit3
326618	2082	543	89.43%	73.241 09	484	89%	65.35 619	Tpm4
23789	1860	543	93.39%	81.982 77	502	97.63%	75.87 748	Coro1b
12857	679	543	98.09%	224.57 73	668	98.38%	276.5 851	Cox4i1
66660	3691	542	95.29%	41.237 37	562	93.66%	42.80 696	Sltm
gi 145301554 ref N M_133656.3	3620	542	97.51%	42.046 17	522	96.49%	40.54 003	-
12466	2189	541	96.39%	69.404 43	430	97.35%	55.22 616	Cct6a
15388	2142	541	95.14%	70.927 31	407	87.25%	53.41 916	Hnrnpl
26413	5099	541	86.70%	29.795 31	450	78.96%	24.81 131	Mapk1
407243	1700	540	90.06%	89.203 22	499	92.47%	82.52 276	Tmem18 9
12304	2610	540	84.64%	58.101 72	394	85.75%	42.44 024	Pdia4

gi 164565376 ref NM_133671.2	2145	540	76.27%	70.697 19	548	74.50%	71.82 496	-
18718	3471	540	97.78%	43.689 28	455	96.43%	36.85 351	Pip4k2a
21937	2186	539	94.46%	69.242 75	566	94.19%	72.79 279	Tnfrsf1a
15258	4259	539	86.83%	35.539 95	346	87.23%	22.83 971	Hipk2
224432	4193	539	95.61%	36.099 37	469	89.53%	31.44 634	Scaf4
66890	4315	539	94.14%	35.078 71	451	92.03%	29.38 447	Lman2
244349	9126	539	82.81%	16.586 09	351	68.49%	10.81 306	Myst3
19326	6065	538	83.74%	24.910 77	496	77.63%	22.99 18	Rab11b
80517	2744	537	94.10%	54.957 36	490	88.34%	50.20 351	Herpud2
14042	3478	537	90.83%	43.359 12	445	92.24%	35.97 1	Ext1
76740	5210	537	92.32%	28.944 91	512	82.80%	27.62 831	Efr3a
12380	2894	537	96.96%	52.108 85	506	95.58%	49.15 573	Cast
625249	1012	536	76.28%	148.73 73	516	77.17%	143.3 479	Gpx4
19822	2936	536	94.21%	51.267 77	445	94.99%	42.61 143	Rnf4
16978	3662	536	92.76%	41.103 82	389	89.90%	29.86 437	Lrrfip1
76448	3185	536	96.20%	47.259 71	464	98.12%	40.95 724	Ppp1r18
20448	4406	536	88.04%	34.163	476	85.66%	30.37 278	St6galna c4
78781	3784	535	83.17%	39.704 38	370	79.52%	27.48 987	Zc3hav1
229227	15883	535	62.43%	9.4592 55	368	42.04%	6.513 845	4932438 A13Rik
gi 298676458 ref NM_001190401.1	12122	534	67.98%	12.370 94	364	57.08%	8.442 075	-
338366	6933	534	74.93%	21.629 96	438	68.50%	17.76 131	Mia3
27981	1415	534	98.30%	105.97 92	438	96.54%	87.02 415	D4Wsu5 3e

106878	2008	534	85.71%	74.681 54	882	91.24%	123.4 886	2010002 N04Rik
56878	2688	534	84.71%	55.788 89	624	80.69%	65.26 456	Rbms1
226517	5867	533	89.36%	25.512 14	409	85.92%	19.59 879	Smg7
224020	6449	532	90.77%	23.166 21	329	76%	14.34 253	Pi4ka
15980	2070	532	92.61%	72.173 37	464	95.65%	63.01 875	Ifngr2
329739	5702	532	87.76%	26.201 14	381	78.46%	18.78 538	Fam102b
56324	4124	532	84.99%	36.226 69	482	89.28%	32.85 871	Stam2
gi 60218873 ref N M_008576.2	5944	531	90.98%	25.087 16	377	82.39%	17.83 137	-
98999	7233	531	88.94%	20.616 35	330	72.11%	12.82 678	Znfx1
100019	17959	530	53.01%	8.2876 12	301	28.28%	4.712 013	Mdn1
12045	764	530	58.38%	194.81 31	896	64.66%	329.7 135	Bcl2a1b
22388	2878	529	98.61%	51.617 93	476	98.92%	46.49 843	Wdr1
gi 31981043 ref N M_019729.2	4138	529	95.09%	35.900 53	415	87.72%	28.19 55	-
12537	2589	529	98.92%	57.379 84	543	95.60%	58.96 44	Cdk11b
76088	7810	527	84.15%	18.949 39	566	86.04%	20.37 453	Dock8
50926	2761	527	85.44%	53.601 87	527	84.75%	53.66 193	Hnrpd1
22034	5536	527	90.73%	26.733 16	347	80.04%	17.62 201	Traf6
12846	2185	527	77.48%	67.732 15	841	76.16%	108.2 098	Comt
20683	7818	527	88.68%	18.93	314	74.15%	11.29 162	Sp1
22334	1662	527	94.71%	89.046 18	557	92.12%	94.22 069	Vdac2
gi 146141133 ref N M_024225.4	2375	526	76.80%	62.195 34	458	74.02%	54.21 556	-
192654	2721	526	98.86%	54.286 63	366	98.02%	37.81 592	Pla2g15

12492	2110	526	88.44%	70.006 6	632	92.04%	84.20 866	Scarb2
232798	5094	525	93.25%	28.942 5	433	87.02%	23.89 742	Leng8
56312	639	525	97.65%	230.72 47	740	97.65%	325.5 764	Nupr1
22344	4521	525	90.27%	32.610 73	423	91.06%	26.30 437	Vezf1
71833	5765	525	91.80%	25.573 83	386	80.33%	18.82 392	Dcaf7
68018	5363	525	89.99%	27.490 79	359	74.40%	18.81 953	Col4a3b p
233410	7292	525	88.04%	20.218 47	412	80.99%	15.88 447	Zfp592
59024	8464	525	73.77%	17.418 85	400	66.04%	13.28 637	Med12
211347	7365	524	85.27%	19.979 94	381	80.03%	14.54 368	Pank3
72318	2791	524	95.13%	52.723 86	455	94.52%	45.83 251	Cyth4
94112	3383	524	95.71%	43.497 57	404	89.09%	33.57 388	Med15
338523	9553	523	78.43%	15.374 38	681	79.23%	20.04 146	Jhdm1d
21454	2363	523	75.37%	62.154 66	567	77.57%	67.45 924	Tcp1
17988	2909	523	97.25%	50.488 64	354	95.94%	34.21 225	Ndrgl
217262	6268	523	94.43%	23.431 95	526	90.03%	23.59 277	Abca9
20619	2223	521	96.58%	65.816 38	366	92.58%	46.28 75	Snap23
20908	3269	521	89.94%	44.756 75	558	88.47%	47.98 897	Stx3
50934	4064	521	96.51%	36.001 43	489	92.27%	33.82 807	Slc7a8
54208	2154	521	95.68%	67.924 7	512	96.01%	66.82 614	Arl6ip1
73945	7324	521	86.80%	19.976 76	350	77.61%	13.43 513	Otud4
224647	3818	520	91.49%	38.247 51	443	91.75%	32.62 045	D17Wsu 92e
18813	2432	520	95.72%	60.044 81	451	97.66%	52.13 569	Pa2g4

70351	3864	520	94.36%	37.792 18	496	94.23%	36.08 832	Ppp4r1
20481	5481	518	90.80%	26.540 29	492	84.31%	25.23 64	Ski
53817	1756	518	68.62%	82.840 17	483	68.96%	77.32 942	Ddx39b
16150	4540	518	86.15%	32.041 26	413	85.53%	25.57 504	Ikbkb
233833	8493	516	82.50%	17.061 78	350	72.71%	11.58 588	Tnrc6a
84095	3771	516	63.03%	38.426 33	472	62.48%	35.18 905	Pi4k2a
319322	3249	515	93.91%	44.513 65	453	95.08%	39.19 86	Sf3b2
329693	2657	515	62.29%	54.431 64	347	57.70%	36.71 64	Fcrl5
22145	2053	514	70.48%	70.308 83	626	69.75%	85.72 5	Tuba4a
54598	4761	514	93.32%	30.318 01	400	89.41%	23.62 022	Calcr1
53331	2500	514	90.68%	57.737 61	559	87.72%	62.86 283	Stx7
26941	1922	513	96.15%	74.954 84	486	97.92%	71.08 943	Slc9a3r1
234407	3189	513	90.25%	45.175 04	497	91.19%	43.81 512	Git25d1
52036	4979	513	95.58%	28.934 16	378	85.66%	21.34 38	Ppp6r3
20384	1662	512	58.78%	86.511 66	507	66.19%	85.76 282	Srsf5
71750	4270	512	83.37%	33.672 69	479	82.83%	31.53 768	R3hdm2
20905	2283	512	79.11%	62.979 58	627	78.32%	77.21 181	Sts
192656	1923	512	97.76%	74.769 83	649	97.87%	94.88 281	Ripk2
223691	1893	511	98.57%	75.806 42	479	98.73%	71.13 888	Eif3l
330192	2512	511	96.50%	57.126 42	595	95.22%	66.59 16	Vps37b
232157	1562	509	98.34%	91.510 82	294	96.73%	52.91 617	Mob1a
20973	1524	509	98.29%	93.792 59	420	96.98%	77.47 943	Syngn2

11689	2827	509	97.81%	50.562 4	684	97.35%	68.02 247	Alox5
15015	1793	509	90.35%	79.721 09	555	92.92%	87.02 315	H2-Q4
76893	2048	509	93.70%	69.794 88	442	92.14%	60.67 565	Lass2
71766	3465	508	98.61%	41.171 45	465	96.22%	37.72 87	Raver1
21351	1276	508	93.65%	111.80 18	604	93.50%	133.0 786	Taldo1
68059	3062	508	95.46%	46.590 16	467	93.04%	42.87 793	Tm9sf2
56421	3986	507	72.63%	35.719 58	470	72.45%	33.14 993	Pfkip
1E+08	1930	507	79.74%	73.771 12	562	78.29%	81.86 554	Mndal
110208	2224	507	98.47%	64.019	485	96.36%	61.30 968	Pgd
12453	2830	506	73.36%	50.211 11	390	71.41%	38.74 363	Ccni
26900	4640	506	95.78%	30.624 45	504	94.89%	30.53 758	Ddx3y
16549	4001	506	92.88%	35.515 48	430	86.30%	30.21 496	Khsrp
gi 33468896 ref NM_010295.1	2314	506	98.92%	61.407 71	389	98.01%	47.26 159	-
23881	4331	506	91.20%	32.809 38	423	86.05%	27.45 834	G3bp2
94246	6105	505	86.06%	23.229 58	380	82.60%	17.49 927	Arid4b
20843	5955	505	84.84%	23.814 71	437	86.58%	20.63 107	Stag2
76795	5225	505	90.83%	27.141 93	442	86.87%	23.78 253	Tbc1d9b
17101	11806	505	75.57%	12.012 25	213	46.39%	5.072 23	Lyst
14873	1163	504	96.82%	121.69 89	535	95.61%	129.3 291	Gsto1
57257	5023	504	87.02%	28.177 54	350	83.87%	19.58 966	Vav3
241075	8562	504	82.20%	16.530 69	396	73.27%	13.00 296	Plekhm3
104570	5111	504	86.85%	27.692 39	381	83.72%	20.95 758	Smek2

214854	2583	504	99.77%	54.795 11	647	96.94%	70.42 097	Neur13
21926	1619	503	96.05%	87.248 27	3592	98.83%	623.7 515	Tnf
11853	1082	503	96.67%	130.54 99	667	97.13%	173.3 088	Rhoc
16179	3955	502	89.66%	35.644 53	510	88.29%	36.25 315	Irak1
12464	1966	502	92.42%	71.706 07	470	94.56%	67.21 04	Cct4
76080	4551	501	94.31%	30.914 81	411	90.07%	25.38 967	Ttpal
56743	1523	501	97.64%	92.379 06	585	97.37%	107.9 886	Lat2
230674	4616	501	91.53%	30.479 49	404	77.99%	24.60 581	Kdm4a
230598	4155	501	81.85%	33.861 2	443	77.35%	29.97 47	Nrd1
68581	3526	501	77.20%	39.901 68	474	78.22%	37.79 359	Tmed10
72587	4628	500	84.62%	30.339 78	412	79.73%	25.02 799	Pan3
15900	2829	500	98.87%	49.633 26	401	94.91%	39.85 048	Irf8
65960	4071	500	92.75%	34.490 91	338	85.34%	23.34 198	Twsg1
60599	5392	499	85.68%	25.988 81	322	72.44%	16.78 913	Trp53inp 1
56209	1529	499	93.85%	91.649 22	562	95.88%	103.3 358	Gde1
14066	1876	499	92.96%	74.697 04	1705	94.72%	255.5 134	F3
gi 77539453 ref N M_016920.2	4000	499	94.43%	35.032 91	344	89.42%	24.17 801	-
13849	1708	498	96.37%	81.879 88	619	99.88%	101.8 884	Ephx1
gi 110626030 ref N M_011317.3	2684	498	95.60%	52.105 38	451	93.26%	47.24 068	-
75826	4566	498	83.29%	30.628 74	403	87.76%	24.81 368	Senp2
16800	4300	497	94.77%	32.458 14	398	90.77%	26.02 176	Arhgef2
19878	8012	496	81.64%	17.385 07	442	73.89%	15.50 97	Rock2

83436	4992	496	93.11%	27.902 48	354	89.02%	19.93 659	Plekha2
gi 270483853 ref N M_021406.4	3005	495	98.54%	46.259 02	663	98.90%	62.02 848	-
20224	2602	495	97.66%	53.423 66	514	94.89%	55.53 643	Sar1a
gi 118130121 ref N M_011552.2	4013	493	95.64%	34.499 55	366	87.14%	25.64 095	-
gi 145587670 ref N M_019825.2	6881	493	91.27%	20.120 14	289	72.45%	11.80 778	-
74126	3470	492	88.99%	39.817 26	369	87.72%	29.89 641	Syvn1
18648	1855	491	88.84%	74.331 57	420	92.29%	63.65 426	Pgam1
12388	5475	491	89.10%	25.184 49	496	78.26%	25.46 946	Ctnnd1
19058	2829	491	93.71%	48.739 86	454	92.22%	45.11 75	Ppp3r1
107746	6251	489	81.79%	21.968 23	351	68.25%	15.78 628	Rapgef1
268373	736	489	48.10%	186.58 07	491	48.10%	187.5 538	Ppia
18442	3000	489	98.13%	45.774 47	627	97.03%	58.75 819	P2ry2
105522	5229	489	92.68%	26.261 89	236	77.53%	12.68 865	Ankrd28
19108	3217	489	96.61%	42.686 79	512	95.49%	44.74 464	Prkx
224860	4068	489	94.25%	33.756 98	537	95.43%	37.11 209	Plcl2
71148	4758	489	92.85%	28.861 58	376	87.33%	22.21 701	Mier1
215690	12767	488	74.58%	10.734 13	510	72.36%	11.23 061	Nav1
53379	4086	488	57.73%	33.539 55	524	54.77%	36.05 413	Hnrnpa2 b1
68734	4594	487	90.47%	29.769 65	379	78.47%	23.19 372	Smek1
12774	2926	487	95.49%	46.740 18	387	94.74%	37.18 423	Ccr5
67338	3650	487	82.85%	37.468 97	520	83.04%	40.05 277	Rffl
381626	9501	487	78.83%	14.394 46	345	70.71%	10.20 873	Rbm33

70349	3315	486	96.71%	41.170 72	410	90.95%	34.77 142	Copb1
233033	4391	486	96.13%	31.081 97	418	90.98%	26.76 301	Samd4b
14469	2471	485	98.66%	55.119 43	547	98.70%	62.23 529	Gbp2
20867	2173	483	93.83%	62.419 91	566	96.82%	73.22 828	Stip1
13002	3674	483	95.21%	36.918 47	341	92.27%	26.09 38	Dnajc5
218811	4446	482	96.60%	30.444 81	343	86.10%	21.68 936	Sec24c
gi 146134334 ref NM_013771.4	3906	482	84.28%	34.653 77	448	87.61%	32.24 541	-
235439	15229	481	61.26%	8.8697 1	279	41.69%	5.150 566	Herc1
17342	4890	481	89.53%	27.623 07	658	90.70%	37.83 024	Mitf
68094	4964	481	92.26%	27.211 28	418	90.55%	23.67 373	Smarcc2
12700	2161	481	96.90%	62.506 62	735	97.04%	95.62 131	Cish
223693	3388	481	95.45%	39.869 19	462	94.75%	38.33 723	Tmem18 4b
81703	1662	480	90.19%	81.104 68	609	91.34%	103.0 169	Jdp2
109905	1424	480	94.10%	94.660 1	403	93.47%	79.56 41	Rap1a
20655	661	480	89.71%	203.92 74	454	88.80%	193.0 974	Sod1
19684	4580	479	87.86%	29.370 12	372	84.02%	22.83 492	Rdx
74919	3082	479	97.34%	43.645 41	524	96.76%	47.79 922	4930471 M23Rik
gi 146149304 ref NM_144948.4	1773	479	95.43%	75.868 67	614	98.98%	97.36 027	-
72692	3116	479	87.93%	43.169 18	284	86.71%	25.62 377	Hnrp1l
22059	1877	478	96.27%	71.515 36	400	91.80%	59.91 255	Trp53
100683	12476	478	71.12%	10.759 4	273	48.55%	6.151 902	Trrap
20698	1880	478	97.50%	71.401 24	579	95.80%	86.58 503	Sphk1

666173	13380	477	69.19%	10.011 47	433	56.78%	9.098 167	Vps13b
74493	6503	477	86.25%	20.598 72	333	74.24%	14.39 636	Tnks2
73205	3198	477	96.59%	41.886 65	660	94.47%	58.02 132	3110043 O21Rik
208292	10857	476	73.15%	12.312 12	254	49.07%	6.577 275	Zfp871
18195	3766	476	95.62%	35.494 6	359	94.34%	26.80 009	Nsf
93836	4880	476	92.60%	27.391 94	355	85.04%	20.45 176	Rnf111
320940	6070	476	91.53%	22.021 86	392	80.25%	18.15 597	Atp11c
gi 46560562 ref N M_011365.2	6001	475	92.82%	22.228 27	330	83.97%	15.46 01	-
77407	2181	475	91.56%	61.160 87	434	90.28%	55.94 434	Rab35
gi 126352390 ref N M_175557.4	3061	475	95.07%	43.577 87	410	95.43%	37.65 673	-
223455	6236	474	88.79%	21.345 58	347	84.77%	15.64 392	6-Mar
20823	2088	474	90.61%	63.750 49	482	88.84%	64.89 91	Ssb
12988	2292	473	97.82%	57.953 84	342	97.86%	41.95 016	Csk
209446	3293	473	87.94%	40.337 14	446	90.77%	38.07 722	Tfe3
70611	3446	473	93.18%	38.546 2	643	92.05%	52.45 874	Fbxo33
11750	2965	472	89.78%	44.704 68	532	83.04%	50.44 395	Anxa7
78339	4677	472	92.97%	28.340 68	440	86.02%	26.44 889	Ttyh3
212307	4044	472	82.44%	32.776 8	412	82.54%	28.64 232	Mapre2
22195	2609	472	74.55%	50.804 67	453	74.20%	48.81 421	Ube213
70827	6286	471	86.13%	21.041 77	374	81.51%	16.72 705	Trak2
71772	3595	471	93.88%	36.792 37	466	95.52%	36.44 258	Plbd2
214133	9199	470	77.49%	14.348 05	276	56.92%	8.435 107	Tet2

68728	3934	470	96.54%	33.550 52	384	91%	27.44 22	Trp53inp 2
17931	3403	470	95.83%	38.785 7	477	94.53%	39.40 747	Ppp1r12 a
54130	2742	470	99.67%	48.135 57	389	98.54%	39.88 451	Actr1a
109754	2066	470	96.13%	63.885 64	564	96.61%	76.74 868	Cyb5r3
67115	935	469	43.64%	140.86 3	572	48.34%	171.9 913	Rpl14
50523	5213	469	93.50%	25.265 09	345	82.66%	18.60 602	Lats2
gi 118130049 ref NM_144843.3	3813	469	94.41%	34.541 54	335	90.82%	24.70 018	-
74392	6307	469	81.54%	20.882 66	415	74.98%	18.49 896	Specc11
228136	4740	469	90.80%	27.786 27	443	88.19%	26.27 529	Zdhhc5
66102	2448	468	80.27%	53.687 13	566	82.07%	65.00 206	Cxcl16
14282	3783	468	92.39%	34.741 23	617	94.18%	45.85 334	Fosb
140740	6058	468	81.84%	21.694 63	418	76.05%	19.39 854	Sec63
75410	8457	468	80.86%	15.540 51	277	59.06%	9.208 429	Wbp7
217124	4345	467	82.74%	30.183 03	546	81.29%	35.32 848	Ppp1r9b
17448	1297	467	96.53%	101.11 43	489	96.92%	105.9 964	Mdh2
101214	1839	467	92.17%	71.313 35	586	94.18%	89.58 556	Tra2a
64095	4233	467	91.07%	30.981 63	559	92.16%	37.12 664	Gpr35
19204	1820	466	97.80%	71.903 53	597	99.07%	92.21 999	Ptafr
15463	3137	466	86.93%	41.716 43	384	85.85%	34.41 429	Agfg1
83679	8420	466	28.48%	15.542 09	303	27.16%	10.11 702	Pde4dip
gi 119226234 ref NM_011424.2	8906	466	81.25%	14.693 96	304	67.04%	9.596 503	-
59090	3708	465	89.21%	35.216 72	610	97.33%	46.25 005	Midn

53625	2699	465	87.85%	48.382 22	492	91.14%	51.24 887	B3gnt2
56194	3565	465	96.19%	36.629 34	409	94.50%	32.25 417	Prpf40a
gi 149241210 ref X M_001001408.2	7174	464	75.65%	18.163 2	290	64.61%	11.36 472	-
19303	3781	464	92.65%	34.462 52	603	94.45%	44.83 661	Pxn
77371	6798	464	84.41%	19.167 81	462	83.38%	19.10 658	Sec24a
54604	12139	464	66.34%	10.734 23	309	57.29%	7.156 451	Pcnx
54214	7532	463	85.32%	17.262 61	417	81.17%	15.56 495	Golga4
66680	1583	463	91.28%	82.136 42	532	91.85%	94.48 282	3230401 D17Rik
gi 149269210 ref X M_903697.3	2110	463	45.73%	61.621 78	504	45.45%	67.15 374	-
170737	5562	462	77.17%	23.326 35	436	68.77%	22.03 828	Znrf1
12468	2452	462	76.79%	52.912 37	460	75.37%	52.74 235	Cct7
68942	1838	462	99.18%	70.588 21	437	96.08%	66.84 333	Chmp2b
22029	2325	461	91.40%	55.681 85	399	84.56%	48.24 719	Traf1
11774	4020	461	91.32%	32.204 06	414	89.65%	28.95 319	Ap3b1
29864	2132	461	96.53%	60.722 47	368	92.03%	48.52 692	Rnf11
gi 160333202 ref N M_008633.3	5681	461	89.79%	22.788 3	298	83.33%	14.74 734	-
233315	5205	460	93.20%	24.818 34	399	87.44%	21.55 134	Mtmr10
14381	2639	460	84.43%	48.950 16	471	84.08%	50.17 688	G6pdx
16790	3439	460	95.61%	37.563 09	438	96.28%	35.80 668	Anpep
19035	979	460	54.85%	131.95 04	578	53.93%	165.9 844	Ppib
17973	1699	460	87.76%	76.032 66	412	84.52%	68.17 513	Nck1
23833	531	460	90.58%	243.27 59	440	90.40%	232.9 594	Cd52

18114	2008	459	95.07%	64.192 56	440	94.82%	61.60 431	Rrp1
66481	396	459	75.51%	325.50 17	568	77.02%	403.2 508	Rps21
80750	6469	459	84.76%	19.925 59	409	80.45%	17.77 495	N4bp1
208449	4056	459	75.30%	31.779 75	713	78.60%	49.42 125	Sgms1
14884	2749	459	85.52%	46.889 29	413	84.29%	42.23 742	Gtf2h1
11842	3481	458	97.21%	36.948 53	382	95.09%	30.85 187	Arf3
99237	3895	458	96.56%	33.021 27	439	94.56%	31.68 686	Tm9sf4
56228	3522	458	92.99%	36.518 41	399	92.70%	31.84 972	Ube2j1
414872	10654	458	76.27%	12.072 26	292	60.75%	7.705 348	Zyg11b
14104	9938	457	72.91%	12.913 77	276	55.56%	7.807 863	Fasn
20409	1714	457	78.65%	74.875 73	410	81.39%	67.25 044	Ostf1
13685	981	457	91.13%	130.82 26	392	89.40%	112.3 412	Eif4ebp1
29810	2607	457	92.14%	49.227 85	733	98.20%	79.04 694	Bag3
67213	3352	456	93.74%	38.202 92	367	91.38%	30.78 11	Cmtm6
78749	3946	456	77.34%	32.452 15	290	72.91%	20.66 156	Filip11
319817	8981	456	73.27%	14.258 57	385	64.53%	12.05 197	Rc3h2
11430	4065	456	88.73%	31.502 14	432	89.13%	29.87 757	Acox1
67615	3312	456	76.06%	38.664 31	463	77.51%	39.30 183	Ube2r2
224742	3207	456	96.38%	39.930 21	470	97.16%	41.20 226	Abcf1
266692	3542	455	89.44%	36.074 35	301	85.71%	23.89 132	Cpne1
73826	3249	455	93.75%	39.327 6	423	92.86%	36.60 267	Poldip3
109113	3595	455	94.49%	35.542 52	351	85.51%	27.44 924	Uhrf2

18708	6915	454	81.34%	18.437 39	372	77.70%	15.12 422	Pik3r1
22321	4224	454	91.12%	30.183 36	332	89.25%	22.09 715	Vars
56045	4010	454	59.73%	31.794 15	386	55.36%	27.06 232	Samhd1
12495	4197	454	92.71%	30.377 54	428	92.40%	28.66 995	Entpd1
16798	7222	454	84.13%	17.653 63	391	78.40%	15.22 094	Lats1
114715	3042	453	92.08%	41.819 1	434	89.91%	40.11	Spred1
14208	2165	453	98.38%	58.759 22	343	94.04%	44.54 083	Ppm1g
72193	7724	453	80.68%	16.469 93	288	65.43%	10.48 268	Scaf11
320404	5101	453	90.04%	24.938 97	407	90.41%	22.43 165	Itpkb
gi 254939616 ref NM_021327.2	2852	453	94.88%	44.605 09	688	93.06%	67.82 051	-
gi 133892677 ref NM_053109.2	1206	453	48.09%	105.48 4	670	62.19%	156.1 887	-
70093	3081	453	88.48%	41.289 75	412	84.75%	37.59 479	Ube2q1
68178	6754	452	48.67%	18.793 73	665	46.28%	27.68 106	Cgnl1
22632	2324	452	95.35%	54.618 28	334	87.78%	40.40 475	Yy1
239510	6670	452	89.60%	19.030 42	382	85.94%	16.10 125	Phf2011
64294	2024	452	97.28%	62.713 88	501	94.81%	69.59 04	Itm2c
193813	2275	452	75.08%	55.794 67	304	81.36%	37.56 767	Mcf2
110651	2223	451	97.17%	56.973 49	369	98.88%	46.66 691	Rps6ka3
227298	2559	451	94.41%	49.492 79	302	92.77%	33.17 865	Fam134a
22589	10244	451	75.42%	12.363 54	350	64.95%	9.605 514	Atrx
21753	2442	451	93.24%	51.864 07	400	94.39%	46.05 072	Tes
16653	4670	451	83.17%	27.120 36	371	73.04%	22.33 465	Kras

108058	4299	450	86.65%	29.395 5	317	81.55%	20.73 07	Camk2d
52830	1907	450	95.49%	66.267 03	448	97.59%	66.04 644	Pnrc2
26987	3394	450	85.95%	37.233 72	406	76.78%	33.63 073	Eif4e2
100715	1873	450	91.03%	67.469 96	381	94.45%	57.18 858	Papd4
217303	4642	449	77.66%	27.162 95	355	63.68%	21.50 034	Cd300a
240396	4080	449	78.82%	30.904 51	436	81.27%	30.04 336	Mex3c
19192	2620	449	95.19%	48.126 11	401	93.40%	43.02 939	Psme3
71472	4728	448	89.64%	26.609 47	296	80.99%	17.60 096	Usp19
26398	3694	447	94.23%	33.981 8	480	96.43%	36.53 141	Map2k4
56457	4147	447	70.65%	30.269 78	401	75.89%	27.18 52	Clptm1
73192	5989	447	54.87%	20.959 89	349	53.11%	16.38 299	Xpot
gi 62461607 ref N M_145933.3	4529	447	87.33%	27.716 66	283	75.60%	17.56 735	-
77305	4313	447	85.23%	29.104 74	333	82.59%	21.70 635	Wdr82
11538	4903	447	91.17%	25.602 44	384	85.97%	22.01 869	Adnp
gi 146149145 ref N M_018774.3	3829	446	62.91%	32.710 35	430	65.60%	31.57 223	-
74302	5691	446	91.55%	22.008 07	308	83.13%	15.21 543	Mtmr3
56055	2982	446	93.06%	42.001 32	291	90.85%	27.43 516	Gtpbp2
75320	6447	446	84.94%	19.427 32	284	72.72%	12.38 462	Etnk1
26965	3171	446	88.39%	39.497 93	405	92.27%	35.90 715	Cul1
67887	1914	446	96.03%	65.437 79	406	94.62%	59.63 569	Tmem66
13382	2258	445	92.74%	55.344 16	346	93.80%	43.07 986	Did
56480	3031	445	92.77%	41.229 66	439	90.04%	40.71 934	Tbk1

gi 31981167 ref N M_021473.2	1403	445	44.12%	89.071 35	418	42.84%	83.76 078	-
223658	5269	444	92.73%	23.664 13	340	86.30%	18.14 149	Heatr7a
54650	7837	442	84.32%	15.838 28	358	80.50%	12.84 267	Sfmbt1
11798	6550	442	81.19%	18.950 33	346	70.96%	14.85 104	Xiap
56036	2442	442	92.67%	50.829 09	448	85.95%	51.57 681	Ccnl2
114664	1699	442	94.06%	73.057 47	410	94.11%	67.84 418	Hsd17b1 1
77480	7402	441	77.82%	16.731 13	337	72.97%	12.79 979	Kidins22 0
71458	6959	441	79.32%	17.796 21	495	82.78%	19.99 772	Bcor
1E+08	5190	441	90.85%	23.862 01	408	87.59%	22.10 115	Dnajc3
11622	5494	441	89.59%	22.541 65	348	85.07%	17.80 79	Ahr
80287	2459	441	87.88%	50.363 48	249	88.86%	28.46 839	Apobec3
14389	6008	441	92.04%	20.613 15	374	84.07%	17.50 104	Gab2
gi 149234147 ref X M_001473420.1	1599	440	66.10%	77.275 16	388	68.17%	68.21 9	-
268301	4513	440	87.17%	27.379 34	532	85.49%	33.14 121	Sowahe
69981	3680	439	90.65%	33.500 59	345	87.45%	26.35 684	Tmem30 a
241447	3930	439	99.16%	31.369 51	453	97.61%	32.40 617	Lass6
243272	10071	439	43.90%	12.241 3	376	41.17%	10.49 633	Sbno1
20853	3020	439	92.85%	40.821 91	398	90.36%	37.05 086	Stau1
20637	1639	438	93.72%	75.046 57	437	96.89%	74.95 914	Snrnp70
14933	4427	438	82.92%	27.784 35	512	82.54%	32.51 491	Gyk
13026	4951	438	90.41%	24.843 74	387	84.63%	21.97 557	Pcyl1a
19704	4631	437	89.33%	26.499 79	327	81.60%	19.85 158	Upf1

gi 146134441 ref NM_012057.3	2081	437	98.89%	58.971 89	423	97.93%	57.14 66	-
17874	1947	436	97.74%	62.886 33	537	94.61%	77.54 083	Myd88
72313	11488	436	73.23%	10.658 05	283	50.41%	6.925 707	Fryl
56397	1954	436	57.57%	62.661 05	467	57.42%	67.19 152	Morf4l2
108705	2275	436	94.51%	53.819 64	448	94.02%	55.36 289	Pttg1ip
15441	3361	435	91.85%	36.345 99	355	90.06%	29.69 491	Hp1bp3
14030	2400	435	81.42%	50.899 52	436	82.04%	51.07 371	Ewsr1
17970	2596	435	72.15%	47.056 57	567	73.42%	61.40 454	Ncf2
214290	5569	434	80.19%	21.885 08	344	73.15%	17.36 614	Zcchc6
20832	821	434	78.08%	148.45 07	526	80.02%	180.1 211	Ssr4
13018	3848	434	94.26%	31.673 09	322	85.78%	23.52 572	Ctcf
225432	6266	434	90.73%	19.450 69	385	85.49%	17.27 398	Rbm27
79221	4461	434	89.96%	27.320 79	308	85.34%	19.41 067	Hdac9
269717	3851	434	39.52%	31.648 41	716	39.24%	52.27 11	Orai2
27366	4071	434	48.19%	29.938 11	463	52.12%	31.97 437	Txn14a
94245	1311	434	94.36%	92.965 7	421	97.48%	90.28 207	Dtnbp1
66624	2815	433	54.46%	43.196 17	448	56.52%	44.74 265	Spes2
228775	2051	433	95.42%	59.286 79	397	94.93%	54.41 855	Trib3
107939	5602	433	78.85%	21.706 04	317	78.51%	15.90 883	Pom121
267019	5158	433	51.65%	23.574 49	492	55.74%	26.81 673	Rps15a
98170	3543	432	61.76%	34.241 15	508	56.05%	40.31 017	Tmem13 2a
12444	5772	432	88.31%	21.018 08	366	87.32%	17.82 694	Ccnd2

140780	6585	432	79.27%	18.423 14	308	71.36%	13.14 974	Bmp2k
16976	2922	431	95.59%	41.422 16	537	98.56%	51.66 735	Lrpa1
208104	7300	431	85.44%	16.580 21	292	71.84%	11.24 559	Mlxip
192292	2146	430	92.96%	56.269 68	301	94.83%	39.43 292	Nrbp1
58801	2654	430	95.67%	45.499 15	404	93.86%	42.79 594	Pmaip1
29815	3316	430	95.42%	36.415 78	288	86.04%	24.41 744	Bcar3
74388	4799	430	93.87%	25.162 48	309	87.60%	18.10 214	Dpp8
26931	4224	430	89.11%	28.587 77	397	85.77%	26.42 34	Ppp2r5c
107373	3199	429	96.66%	37.659 87	298	91.84%	26.18 932	Fam111a
12521	1817	429	93.23%	66.303 75	336	93.84%	51.98 84	Cd82
gi 84370255 ref N M_133769.2	6352	429	84.27%	18.966 3	224	69.49%	9.914 245	-
98415	6096	428	88.39%	19.716 71	321	78.59%	14.80 411	Nucks1
20306	912	428	83.66%	131.79 07	798	90.68%	245.9 972	Ccl7
216134	5110	428	91.43%	23.521 15	450	86.05%	24.75 79	Pdxk
66912	1889	428	95.39%	63.627 89	357	94.65%	53.13 227	Bzw2
14269	4743	428	90.89%	25.341 15	295	87.31%	17.48 602	Fnbp1
27053	1927	428	97.30%	62.373 16	353	94.03%	51.50 093	Asns
19201	3138	428	95.44%	38.302 45	470	94.14%	42.10 823	Pstpip2
217151	1616	427	85.95%	74.203 13	346	81.93%	60.19 451	Arl5c
93759	3920	427	84.18%	30.589 86	370	81.10%	26.53 614	Sirt1
52588	2500	427	93.84%	47.964 9	394	92.64%	44.30 761	Tspan14
12400	2924	427	86.53%	41.009 66	376	87%	36.15 202	Cbfb

20198	513	427	88.69%	233.74 71	417	90.64%	228.5 287	S100a4
97287	2676	427	94.84%	44.810 26	370	92.12%	38.87 208	Mtmt14
80912	5370	426	91.64%	22.277 73	318	83.09%	16.64 849	Pum1
78816	3945	426	93.46%	30.324 82	338	91.23%	24.08 75	Gmip
gi 89337271 ref N M_144516.2	3846	425	91.37%	31.032 4	369	89.24%	26.97 362	-
320011	9045	425	55%	13.195 2	338	51.83%	10.50 583	Uggt1
19255	8423	425	50.98%	14.169 61	397	42.56%	13.25 091	Ptpn2
11783	6557	425	84.79%	18.202 01	295	72.35%	12.64 85	Apaf1
52857	2681	425	96.57%	44.517 2	445	96.01%	46.66 436	Gramd1a
20661	6804	425	85.83%	17.541 24	374	79.92%	15.45 359	Sort1
59021	2057	425	88.72%	58.021 69	397	90.13%	54.25 982	Rab2a
20529	3764	424	95.62%	31.633 84	522	92.03%	38.98 908	Slc31a1
11518	4047	424	88.29%	29.421 74	329	82.88%	22.85 519	Add1
66854	3684	424	95.22%	32.320 79	316	88.11%	24.11 513	Trim35
106064	5094	424	91.79%	23.374 52	234	78.86%	12.91 454	AW5498 77
12450	3501	424	92.29%	34.010 22	305	91.17%	24.49 232	Ccng1
24128	3383	424	96.84%	35.196 51	357	94.68%	29.66 8	Xrn2
193116	3732	423	75.99%	31.829 84	337	78.72%	25.38 694	Slu7
20539	3513	423	47.57%	33.814 11	316	44.66%	25.28 896	Slc7a5
70247	3256	423	94.23%	36.483 1	362	95.30%	31.25 693	Psm1
20296	806	422	96.40%	147.03 24	852	98.26%	297.1 849	Ccl2
76302	2300	422	93.65%	51.525 28	453	91.13%	55.37 229	Pcnp

56463	3482	421	97.44%	33.953 85	351	95.26%	28.34 004	Snd1
216198	2400	421	93.54%	49.261 38	280	96.04%	32.79 963	Tcp1112
57330	5453	421	90.37%	21.681 15	313	76.45%	16.13 73	Gigyf1
76303	4590	420	87.04%	25.696 4	414	86.51%	25.35 769	Osbp
244059	9071	420	30.79%	13.002 59	429	30.66%	13.29 61	Chd2
78937	6691	420	83.20%	17.627 63	286	71.13%	12.01 703	Avl9
56449	1862	420	91.19%	63.343 98	423	82.38%	63.86 793	Csda
16646	4022	420	93.93%	29.325 33	304	93.04%	21.24 974	Kpna1
20558	3972	420	93.13%	29.694 48	510	92.42%	36.09 799	Slfn4
gi 124487030 ref N M_001081371.1	11843	420	68.79%	9.9591 73	239	51.40%	5.673 594	-
71982	2567	420	91.23%	45.947 21	536	95.56%	58.70 31	Snx10
66691	5966	420	80.51%	19.769 78	314	71.44%	14.79 682	Gapvd1
67958	7736	419	74.90%	15.210 14	411	66.90%	14.93 645	U2surp
114565	6011	419	77.08%	19.575 06	434	74.03%	20.29 855	Zfp295
101706	7214	418	83.05%	16.271 81	268	67.88%	10.44 433	Numa1
209086	5344	418	88.74%	21.965 72	269	73.73%	14.15 168	Samd91
18226	2397	418	96.20%	48.971 56	386	98.58%	45.27 322	Nup62
76905	1372	418	97.52%	85.557 46	661	97.89%	135.4 47	Lrg1
13421	3702	418	79.58%	31.708 49	303	78.20%	23.01 062	Dnase113
12753	7478	417	81.60%	15.659 8	289	71.30%	10.86 512	Clock
544963	5771	417	91.28%	20.291 81	324	79.19%	15.78 396	Iqgap2
20868	5082	417	92.19%	23.042 9	291	82.98%	16.09 832	Stk10

gi 209954828 ref NM_011327.3	2623	417	73.47%	44.645 07	404	69.84%	43.30 172	-
16648	4167	417	89.73%	28.102 71	374	90.95%	25.23 308	Kpna3
11513	6121	417	83.40%	19.131 52	297	73.39%	13.64 131	Adcy7
217039	2967	416	83.05%	39.374 18	460	91.71%	43.58 754	Ggnbp2
65106	1339	416	92.76%	87.246 59	466	93.65%	97.84 248	Arl6ip5
17691	4512	416	91.62%	25.891 66	220	79.59%	13.70 805	Sik1
67526	2492	416	95.02%	46.879 29	334	93.02%	37.68 084	Atg12
14950	5402	416	50.87%	21.625 91	369	36.80%	19.20 41	H13
67074	9300	415	67.57%	12.531 44	314	51.73%	9.492 242	Mon2
381801	2646	415	95.99%	44.044 73	344	95.05%	36.55 028	Tatdn2
68926	4384	415	96.12%	26.583 57	304	90.99%	19.49 509	Ubap2
353187	4640	415	77.05%	25.116 89	422	76.79%	25.56 917	Nr1d2
67998	3179	415	87.07%	36.660 07	287	83.86%	25.38 128	Fam134c
71902	8209	415	65.61%	14.196 9	336	53.61%	11.50 724	Cand1
22343	4137	415	89.63%	28.170 74	377	90.52%	25.61 993	Lin7c
56612	708	415	87.43%	164.60 79	425	87.85%	168.7 632	Pfdn5
209131	7507	415	82.52%	15.524 49	259	65.15%	9.699 637	Snx30
229541	5399	414	90.96%	21.533 9	298	78.50%	15.51 762	Dennd4b
gi 124487316 ref NM_008395.2	5214	414	91.31%	22.297 95	364	83.89%	19.62 693	-
67474	3432	413	91.93%	33.793 91	312	86.83%	25.55 815	Snap29
23921	2848	413	96.14%	40.723 56	383	91.78%	37.80 776	Sh2b2
52040	4290	413	65.17%	27.035 13	312	63.01%	20.44 652	Ppp1r10

98732	7003	413	56.69%	16.561 57	278	53.13%	11.16 048	Rab3gap 2
665775	10552	413	70.97%	10.991 35	361	64.73%	9.618 216	Bod11
19247	5628	413	86.28%	20.607 8	298	78.68%	14.88 622	Ptpn11
227659	2136	413	98.08%	54.298 09	400	97%	52.64 788	Slc2a6
108148	4131	413	92.54%	28.075 7	376	89.11%	25.58 909	Galnt2
55944	1910	412	95.18%	60.575 86	375	96.28%	55.19 758	Eif3d
230908	7454	412	57.26%	15.521 85	399	56.63%	15.04 893	Tardbp
70439	2049	412	92.29%	56.466 51	398	90.63%	54.60 888	Taf15
218914	4585	411	89.53%	25.173 19	303	83.18%	18.57 913	Wapal
208650	6323	411	86.32%	18.253 84	315	79.79%	14.00 585	Cblb
98496	2667	411	97.64%	43.276 74	484	97.04%	51.02 047	Pid1
52468	4823	410	62.39%	23.872 74	311	62.02%	18.12 864	Ctdsp2
69131	7669	409	82.79%	14.976 84	393	83.13%	14.40 708	Cdk12
110521	8753	409	78.42%	13.122 06	284	64.74%	9.121 863	Hivep1
83493	3433	409	96.62%	33.456 86	443	94.52%	36.27 873	Sacm11
53605	3951	409	57.05%	29.070 47	331	56.14%	23.55 283	Nap111
gi 118130643 ref NM_029657.3	3138	409	97.23%	36.602 11	308	91.24%	27.59 433	-
22218	1230	409	95.04%	93.380 01	465	90.89%	106.2 845	Sumo1
13001	1125	409	81.33%	102.09 55	469	81.42%	117.2 04	Csnk2b
19317	6718	409	62.16%	17.096 96	453	64.32%	18.95 747	Qk
18438	1995	409	97.39%	57.572 64	354	93.58%	49.88 644	P2rx4
271457	2364	409	72.97%	48.586 04	387	70.60%	46.02 413	Rab5a

24044	2370	409	97.89%	48.463 04	395	98.10%	46.85 661	Scamp2
14977	2398	409	95.70%	47.897 17	393	95.29%	46.07 502	Slc39a7
72425	2883	408	89.87%	39.742 14	297	91.54%	28.96 236	2410042 D21Rik
16906	2871	408	82.20%	39.908 25	311	78.51%	30.45 435	Lmnb1
232201	2831	408	92.02%	40.472 12	323	89.76%	32.07 634	Arhgap2 5
319277	5863	408	89.19%	19.542 31	199	66.38%	9.542 349	A230046 K03Rik
15170	2222	408	86.72%	51.564 62	269	87.71%	34.03 536	Ptpn6
241197	3490	408	56.79%	32.829 97	496	56.28%	39.95 567	Serpnb1 0
213491	3277	408	91.70%	34.963 86	408	92.34%	35.00 305	Szrd1
20788	4570	408	95.51%	25.071 46	303	91.27%	18.64 011	Sreb2
17684	1980	407	94.55%	57.725 13	485	86.87%	68.86 502	Cited2
17257	10233	407	72.45%	11.169 33	304	58.39%	8.352 043	Mecp2
gi 158518439 ref N M_028032.2	2380	407	99.75%	48.023 43	436	99.08%	51.50 29	-
224273	6544	407	73.75%	17.465 73	352	68.03%	15.12 243	Crybg3
76246	4680	407	94.85%	24.422 17	393	87.48%	23.60 852	Rtf1
17188	2385	406	91.15%	47.805	326	90.57%	38.42 831	Maz
17308	3165	406	84.23%	36.023 68	338	77.88%	30.02 376	Mgat1
54338	6487	406	83%	17.575 91	294	67.26%	12.74 165	Slc23a2
110911	8278	406	83.11%	13.773 25	295	68.17%	10.01 887	Cds2
15387	1978	406	41.30%	57.641 52	370	43.07%	52.58 932	Hnrnpk
18854	5378	405	86.20%	21.148 03	224	75.20%	11.70 98	Pml
gi 70608130 ref N M_029673.2	2766	405	89.26%	41.118 62	353	92.77%	35.87 936	-

66589	1950	405	83.59%	58.325 18	375	83.23%	54.06 532	Ube2v1
19646	4407	405	72.02%	25.807 6	347	61.15%	22.13 648	Rbbp4
106021	3842	404	91.88%	29.529 75	310	83.39%	22.68 436	Topors
235283	2814	404	90.19%	40.317 44	300	86.43%	29.97 225	Grand1b
218975	4493	404	68.08%	25.251 12	404	65.95%	25.27 942	Mapk1p 11
66923	8117	404	77.60%	13.977 24	308	66.53%	10.66 786	Pbrm1
15926	2292	404	88.66%	49.499 69	420	88.79%	51.51 774	Idh1
71865	4977	404	79.55%	22.795 52	453	87.86%	25.58 896	Fbxo30
213988	17334	404	58.12%	6.5451 3	271	44.89%	4.395 341	Tnrc6b
106205	3857	403	91.31%	29.342 09	428	94.84%	31.19 725	Zc3h7a
72194	8607	403	80.04%	13.148 89	232	60.46%	7.578 065	Fbxl20
72759	3693	403	89.60%	30.645 13	431	81.75%	32.81 105	Tmem13 5
268741	4458	403	81.81%	25.386 38	335	74.32%	21.12 647	Tox4
74868	3644	402	86.11%	30.980 14	222	80.02%	17.12 761	Tmem65
208768	3203	402	94.79%	35.245 59	609	96.88%	53.45 428	Sde2
17318	3974	402	61.75%	28.407 56	466	60.47%	32.96 706	Mid1
170743	3746	402	57.37%	30.136 58	474	57.13%	35.57 4	Thr7
68691	4655	401	80.34%	24.191 37	399	79.27%	24.09 769	Kansl11
74522	5085	401	88.83%	22.145 69	328	81%	18.13 448	Morc2a
244871	6133	401	85.70%	18.361 46	388	82.08%	17.78 611	Zc3h12c
69470	4401	401	87.62%	25.587 55	316	84.50%	20.18 635	Tmem12 7
56221	1289	401	96.74%	87.362 92	720	99.69%	157.0 369	Ccl24

56374	1562	401	90.97%	72.093 99	422	90.59%	75.95 451	Tmem59
11749	2661	400	92.30%	42.213 45	423	92.07%	44.69 075	Anxa6
11744	2413	400	42.81%	46.552	280	41.69%	32.62 292	Anxa11
17001	588	400	99.15%	191.03 74	499	99.15%	238.5 862	Ltc4s
56494	3078	400	94.93%	36.494 47	331	94.70%	30.23 302	Gosr2
72068	2816	400	97.09%	39.889 91	285	95.92%	28.45 341	Cnot2
214899	10969	400	66.20%	10.240 68	335	57.46%	8.586 178	Kdm5a
73341	4580	400	90.37%	24.526 2	314	86.83%	19.27 464	Arhgef6
59043	2438	400	82.12%	46.074 65	421	82.44%	48.54 791	Wsb2
67886	7823	400	76.49%	14.358 94	317	69.96%	11.39 221	Camsap2
19042	2789	400	80.60%	40.276 08	445	84.98%	44.85 735	Ppm1a
277360	6530	399	87.40%	17.159 14	272	70.95%	11.71 056	Prex1
78388	2810	399	96.58%	39.875 15	376	94.38%	37.61 869	Mvp
101471	5374	399	89.78%	20.850 23	317	78.12%	16.58 379	Phrf1
210973	3868	399	89.53%	28.968 24	368	86.74%	26.74 752	Kbtbd2
69257	2688	399	96.02%	41.684 96	288	87.39%	30.12 211	Elf2
18611	2477	399	96.04%	45.235 83	392	93.98%	44.49 203	Pea15a
20148	1731	399	97.63%	64.730 88	339	96.24%	55.05 855	Dhrs3
17135	2825	398	96.46%	39.564 01	505	98.62%	50.25 682	Mafk
12481	1144	398	98.08%	97.699 59	271	92.66%	66.59 864	Cd2
69632	10483	398	51.37%	10.661 87	198	38.70%	5.310 088	Arhgef1 2
70829	7272	398	87.13%	15.369 68	289	73.09%	11.17 29	Ccdc93

12489	2571	397	95.33%	43.363 48	266	91.99%	29.08 718	Cd33
216443	2972	397	92.40%	37.512 62	268	85.50%	25.35 176	Mars
75956	8613	397	22.78%	12.944 1	244	22.72%	7.964 481	Srm2
67467	5448	397	90.20%	20.463 93	242	77.04%	12.48 822	1200011 I18Rik
269181	7054	397	85.13%	15.804 86	318	70.43%	12.67 4	Mgat4a
27061	1214	397	95.72%	91.834 85	405	96.62%	93.79 041	Bcap31
74145	3879	396	96.52%	28.668 91	489	96.96%	35.44 143	F13a1
22629	1806	396	90.70%	61.576 24	327	92.47%	50.90 403	Ywhah
78246	2014	396	86.05%	55.216 82	357	83.37%	49.83 459	Phf23
215653	4825	395	92.60%	22.989 82	281	76.93%	16.37 311	Rassf2
320706	13232	395	53.85%	8.3831 51	367	48.67%	7.797 631	9830001 H06Rik
22241	5215	395	85.73%	21.270 54	299	83.59%	16.11 903	Ulk1
208266	5694	394	88.85%	19.431 86	402	85.99%	19.84 864	Dot11
12894	4331	394	93.28%	25.547 23	279	84.69%	18.11 082	Cpt1a
70354	6797	394	82.52%	16.278 51	251	61.09%	10.38 194	Secisbp2 l
20340	3880	394	95.93%	28.516 76	323	87.81%	23.40 415	Glg1
319934	7163	393	81.36%	15.407 54	341	71.95%	13.38 386	Sbf2
13998	8061	393	82.69%	13.691 13	206	61.82%	7.184 564	Fgd6
14247	3087	393	92.55%	35.751 28	308	91.22%	28.05 022	Fli1
107035	4416	393	88.04%	24.991 9	294	83.83%	18.71 718	Fbxo38
71990	3956	393	81.02%	27.897 93	315	74.60%	22.38 599	Ddx54
245945	5115	392	85.10%	21.521 68	365	79.22%	20.06 177	Rbm47

320938	3971	392	95.04%	27.721 83	357	90.18%	25.27 496	Tnpo3
80281	4946	392	91.83%	22.257 05	261	85.48%	14.83 572	Ctnbp2n l
22042	4920	392	86.20%	22.374 67	341	80.24%	19.48 549	Tfrc
54624	1953	392	99.08%	56.366 3	422	97.59%	60.74 805	Paf1
107045	3845	392	92.54%	28.630 27	318	90.95%	23.25 16	Lars
231070	2667	391	95.20%	41.170 81	596	97.86%	62.82 686	Insig1
21985	2432	391	74.55%	45.149 08	348	73.23%	40.22 887	Tpd52
18003	4563	390	93.16%	24.002 13	276	92%	17.00 516	Nedd9
22385	6446	390	86.72%	16.990 65	240	66.96%	10.46 75	Baz1b
230125	4438	390	88.69%	24.678 17	313	87.13%	19.82 801	Mcart1
56085	3693	389	94.72%	29.580 53	365	93.88%	27.78 662	Ubqln1
229603	8101	389	82.51%	13.484 87	304	74.53%	10.55 011	Otud7b
19703	1434	389	98.40%	76.179 16	404	93.79%	79.20 532	Renbp
66945	2859	389	98.15%	38.209 48	365	97.62%	35.89 226	Sdha
22258	3686	387	94.82%	29.484 34	298	90.86%	22.72 914	Usp4
74096	2782	387	83.93%	39.065 15	239	81.81%	24.15 254	Hvcn1
1E+08	1301	387	97.23%	83.535 17	201	90.08%	43.43 511	Gm3700
69065	1583	387	98.42%	68.653 99	399	97.73%	70.86 211	Chac1
218503	5141	387	84.52%	21.139 71	318	79.44%	17.39 008	Fcho2
gi 31340973 ref N M_181411.2	3912	386	91.16%	27.709 21	317	85.58%	22.78 151	-
gi 82524293 ref N M_146110.2	1738	386	99.48%	62.369 64	350	97.47%	56.61 616	-
11974	800	386	94.37%	135.49 8	460	91.37%	161.6 553	Atp6v0e

81535	3324	386	85.23%	32.610 84	342	81.56%	28.92 592	Sgpp1
64297	4525	386	77.30%	23.955 46	460	77.75%	28.57 994	Gprc5b
16911	1704	386	93.02%	63.614 11	450	91.73%	74.24 463	Lmo4
68659	6627	386	65.57%	16.357 09	290	58.52%	12.30 278	Fam198b
63985	4171	386	93.38%	25.988 6	287	89.45%	19.34 478	Gmfb
74131	2584	385	99.03%	41.841 18	238	93.89%	25.89 444	Sash3
18783	2846	385	96.94%	37.989 32	306	96.42%	30.22 795	Pla2g4a
83768	1684	385	97.68%	64.202 86	367	94.77%	61.26 975	Dpp7
67655	3700	384	88.24%	29.145 08	365	86.03%	27.73 405	Ctdp1
66921	3003	384	77.56%	35.909 69	374	78.09%	35.01 373	Prpf38b
17769	6085	384	88.28%	17.721 74	322	80.28%	14.87 707	Mthfr
27224	4592	384	92.88%	23.483 62	332	85.43%	20.32 63	Tceb3
14465	3194	384	90.11%	33.762 3	271	78.15%	23.85 374	Gata6
67263	5473	383	78.82%	19.652 1	463	77.75%	23.78 36	Zswim6
14232	1730	383	93.41%	62.171 08	401	96.18%	65.16 59	Fkbp8
230753	4350	383	62.16%	24.725 51	320	61.49%	20.68 154	Thrap3
67579	2312	383	97.79%	46.520 74	140	92.39%	17.02 403	Cpeb4
19089	2030	383	97.68%	52.983 23	413	97.73%	57.19 738	Prkcsh
213673	2467	383	90.47%	43.597 88	316	91.20%	36.01 14	9530068 E07Rik
14797	1347	382	91.31%	79.640 04	319	96.36%	66.58 022	Aes
75964	5178	382	87.43%	20.717 48	286	78.31%	15.52 838	Trappc8
22680	2376	381	96.30%	45.031 28	323	89.56%	38.21 89	Zfp207

27357	1739	381	94.42%	61.526 34	332	93.44%	53.67 359	Gyg
12042	1760	381	95.06%	60.792 22	455	96.19%	72.68 099	Bcl10
101240	2759	381	93.37%	38.780 11	278	90.11%	28.32 795	Wdr91
19696	2584	381	97.99%	41.406 47	302	95.78%	32.85 765	Rel
19027	4615	381	84.44%	23.184 03	309	78.40%	18.82 387	Sypl
24061	3980	380	90.78%	26.812 43	332	87.46%	23.45 185	Smc1a
229906	1267	380	89.34%	84.225 32	485	98.11%	107.6 186	Gtf2b
232807	2982	380	89.30%	35.785 88	359	87.66%	33.84 612	Ppp1r12 c
gi 149259355 reflX R_034274.1	6854	379	46.70%	15.528 55	383	46.88%	15.71 002	-
110454	842	379	97.03%	126.40 46	335	98.46%	111.8 549	Ly6a
102414	2494	379	86.81%	42.675 49	382	84.60%	43.06 149	Clk3
11746	2003	379	95.76%	53.136 63	363	96.90%	50.95 042	Anxa4
73830	773	379	99.48%	137.68 78	479	98.84%	174.2 12	Eif3k
11569	6192	378	79.26%	17.143 38	289	76.95%	13.12 167	Aebp2
21402	1454	378	91.13%	73.006 76	466	92.50%	90.10 391	Skp1a
227449	6681	378	76.47%	15.888 61	372	66.58%	15.65 394	Zcchc2
14248	4012	378	51.55%	26.458 58	396	49.73%	27.74 958	Flii
19401	3384	378	90.57%	31.368 75	357	91.76%	29.65 924	Rara
20422	491	378	81.26%	216.19 52	460	90.63%	263.3 895	Shfm1
193670	2867	378	90.58%	37.025 4	338	87.76%	33.14 447	Rnf185
16363	2484	378	91.87%	42.734 23	570	94.20%	64.51 272	Irf2
20230	6337	377	82.96%	16.706 8	175	66.88%	7.763 838	Satb1

30928	4954	377	81.99%	21.370 81	247	70.08%	14.01 726	Zfp238
52614	3491	377	90.15%	30.326 84	352	93.44%	28.34 751	Emr4
67876	1748	377	87.24%	60.566 94	554	92.33%	89.10 262	Coq10b
15161	8093	377	58.77%	13.081 8	232	46.30%	8.059 36	Hcfc1
gi 145966714 ref N M_010064.3	2443	377	97.71%	43.336 48	364	99.51%	41.88 9	-
74840	2206	377	52.67%	47.992 3	393	45.24%	50.08 517	Manf
67865	875	377	98.29%	120.99 54	533	97.71%	171.2 542	Rgs10
74204	4493	377	89.01%	23.563 55	281	80.61%	17.58 296	Xpo6
53322	1697	377	93.52%	62.387 16	430	96.82%	71.23 751	Nucb2
210808	2419	377	93.84%	43.766 44	447	93.84%	51.95 098	Lacc1
76438	2802	376	96.97%	37.683 86	313	93.68%	31.40 497	Rftn1
11949	1815	376	58.90%	58.176 41	365	63.69%	56.53 773	Atp5c1
15040	1317	376	84.74%	80.174 78	473	85.42%	100.9 712	H2-T23
76295	4883	376	84.93%	21.624 04	248	74.50%	14.27 865	Atp11b
20544	4606	375	93.05%	22.863 52	350	90.86%	21.36 32	Slc9a1
74549	5369	375	85.38%	19.614 33	189	71.71%	9.896 703	Mau2
gi 124487004 ref N M_001081223.1	3406	375	76.13%	30.918 78	421	80.77%	34.75 038	-
69582	4178	375	88.80%	25.205 69	412	87.63%	27.72 368	Plekhm2
208659	2614	375	94.26%	40.286 67	423	97.25%	45.49 429	Fam20a
21399	2727	375	95.34%	38.617 29	385	92.67%	39.69 152	Tcea1
54325	1781	375	75.46%	59.129 34	394	78.55%	62.19 485	Elovl1
26365	3736	374	57.84%	28.112 56	372	54.63%	27.99 356	Ceacam1

gi 48928013 ref N M_133758.2	5549	374	87.48%	18.927 47	271	75.36%	13.73 019	-
102626	2816	374	91.90%	37.297 07	544	91.44%	54.31 107	Mapkapk 3
229512	4447	374	89.95%	23.617 84	313	88.06%	19.78 788	Smg5
12611	4718	374	78.38%	22.261 24	355	78.93%	21.15 4	Cebpg
226551	6308	374	72.38%	16.650 05	289	69.02%	12.88 037	Suco
103554	6454	374	79.13%	16.273 4	356	73.77%	15.50 755	Psme4
gi 23956077 ref N M_013853.1	2488	373	98.27%	42.101 17	313	97.47%	35.36 845	-
gi 142357495 ref N M_008722.2	1259	373	33.04%	83.199 14	440	32.72%	98.25 373	-
66631	3472	373	88.28%	30.169 27	300	85.94%	24.29 202	Hiat1
12462	1957	373	94.89%	53.524 64	331	96.73%	47.55 096	Cct3
83602	5704	372	76.16%	18.314 67	293	69.55%	14.44 143	Gtf2a1
14017	2316	372	70.73%	45.106 6	367	58.89%	44.55 02	Evi2a
71592	7385	372	84.35%	14.145 82	188	57.09%	7.156 974	Pogk
16000	7121	372	76.21%	14.670 26	334	72.07%	13.18 644	Igf1
50754	4183	372	91.70%	24.974 15	356	85.56%	23.92 678	Fbxw7
20638	1121	372	97.50%	93.190 8	410	97.77%	102.8 254	Snrpb
66776	2866	371	72.68%	36.352 43	312	72.68%	30.60 557	Pisd-ps3
18451	4057	371	78.38%	25.680 57	370	85.78%	25.64 005	P4ha1
20466	5229	371	86.06%	19.924 66	248	76.63%	13.33 384	Sin3a
18597	2778	371	84.81%	37.503 98	305	82.15%	30.86 667	Pdha1
230249	5919	370	85.86%	17.554 53	251	63.88%	11.92 196	AI31418 0
77128	7455	370	80.68%	13.937 66	196	59.30%	7.391 465	A930001 N09Rik

17776	5747	370	84.03%	18.079 91	375	82.55%	18.34 477	Mast2
20833	2774	370	93.37%	37.456 83	271	89.83%	27.46 534	Ssrp1
231507	696	370	93.53%	149.28 91	272	94.83%	109.8 707	Plac8
16562	6764	370	76.01%	15.361 51	317	69.15%	13.17 582	Kif1c
gi 40807501 ref N M_015805.2	4463	370	91.19%	23.281 48	265	82.84%	16.69 326	-
gi 41054973 ref N M_199469.1	4008	370	94.69%	25.924 46	310	89.92%	21.74 483	-
18415	3576	370	95.75%	29.056 27	158	77.32%	12.42 172	Hspa4l
12359	2551	369	91.92%	40.621 09	397	93.96%	43.75 243	Cat
224902	3299	369	80.45%	31.410 86	305	79.96%	25.99 2	Safb2
237898	6978	369	85.47%	14.850 16	337	77.92%	13.57 754	Usp32
319939	7483	369	80.37%	13.847 98	283	70%	10.63 244	Tns3
17948	4823	369	81.24%	21.485 47	332	78.31%	19.35 276	Naip2
29806	4864	369	86.37%	21.304 36	276	77.41%	15.95 283	Limd1
14751	2856	369	33.26%	36.283 06	370	37.96%	36.42 216	Gpi1
227613	1600	368	61.75%	64.589 74	366	58.56%	64.31 07	Tubb4b
234577	2328	368	93.86%	44.391 57	384	89.05%	46.37 355	Cpne2
72145	14277	368	58.73%	7.2384 67	283	39.53%	5.572 776	Wdfy3
225896	1048	368	88.74%	98.610 29	341	96.09%	91.47 77	Ubxn1
67095	4914	368	89.15%	21.030 44	286	85.27%	16.36 263	Trak1
76687	3482	368	89.63%	29.679 38	309	86.70%	24.94 892	Spcs3
19775	7651	368	82.85%	13.507 2	298	73.79%	10.95 015	Xpr1
15979	2099	367	93.28%	49.100 89	294	92.90%	39.37 83	Ifngr1

672857	1892	367	80.44%	54.472 92	322	74.68%	47.84 724	Gm9580
73914	2969	367	93.53%	34.712 95	489	96.09%	46.30 424	Irak3
67684	3327	367	87.95%	30.977 69	360	84.40%	30.42 088	Luc713
99712	2773	366	88.78%	37.065 25	281	82.01%	28.48 909	Cept1
30940	4432	366	88.38%	23.190 87	304	83.75%	19.28 395	Usp25
12539	2456	366	75.08%	41.849 32	339	68.77%	38.80 552	Cdc37
22031	6981	366	85.78%	14.723 1	247	69.69%	9.947 213	Traf3
66656	2847	365	42.47%	36.003 2	333	40.96%	32.88 356	Eef1d
23917	2436	365	94.87%	42.077 63	283	90.52%	32.66 113	Impdh1
229473	4909	365	86.07%	20.880 24	272	74.05%	15.57 751	D930015 E06Rik
53382	2558	365	63.64%	40.070 8	447	65.21%	49.12 8	Txn11
328417	6391	364	85.34%	15.994 41	194	61.96%	8.534 047	Parp4
15200	2392	364	96.61%	42.734 23	734	97.53%	86.26 944	Hbegf
21762	3092	364	79.56%	33.059 6	341	76.29%	31.00 538	Psm2
20901	2644	363	88.58%	38.555 02	333	87.56%	35.40 829	Strap
320538	14671	363	59.88%	6.9483 65	352	58.94%	6.745 359	Ubn2
14132	1738	362	94.25%	58.491 74	416	95.51%	67.29 235	Fcgrt
76179	10198	362	72.73%	9.9684 88	224	54.11%	6.175 258	Usp31
11736	8034	362	75.55%	12.653 55	293	67.30%	10.25 316	Ankfy1
328110	4096	362	85.25%	24.819	306	82.30%	21.00 311	Prpf39
17859	5156	361	49.50%	19.662 1	233	44.51%	12.70 472	Mxi1
20163	1412	361	99.08%	71.797 32	365	98.09%	72.67 42	Rsu1

66511	3247	361	87.65%	31.221 99	310	81.98%	26.84 117	Chtop
272382	2786	361	94.04%	36.388 3	156	77.71%	15.74 221	Spib
73469	4989	361	88.84%	20.320 27	282	84.93%	15.89 124	Rnf38
56070	4409	361	86.07%	22.993 38	351	82.85%	22.38 15	Tcerg1
69150	2442	360	89.52%	41.399 26	320	91.93%	36.84 058	Snx4
19014	6518	360	78.64%	15.510 43	204	53.64%	8.799 093	Med1
gi 94380919 ref XR_001627.1	7423	360	46.69%	13.619 42	333	44.29%	12.61 209	-
21824	3718	360	92.47%	27.191 23	416	91.58%	31.45 619	Thbd
26936	8784	360	51.57%	11.509 22	314	52.78%	10.04 985	Mprip
gi 146134345 ref NM_013822.4	5297	360	86.37%	19.085 71	363	86.46%	19.26 632	-
22780	4098	359	88.70%	24.601 31	161	75.31%	11.04 526	Ikzf3
216869	1728	359	93.69%	58.342 69	327	98.78%	53.20 178	Arrb2
20662	8919	359	70.84%	11.303 53	257	63.65%	8.101 008	Sos1
80898	4014	358	93.07%	25.046 17	225	88.76%	15.75 895	Erap1
71752	4551	358	88.11%	22.090 82	329	84.18%	20.32 409	Gtf3c2
12616	2809	358	83.55%	35.790 44	334	86.08%	33.42 85	Cenpb
77134	2678	358	86.45%	37.541 2	340	85.66%	35.69 361	Hnmpa0
56356	1622	358	96.18%	61.982 33	287	96.73%	49.74 543	Gltp
106326	4521	358	90.31%	22.237 41	221	81.31%	13.74 295	Osbpl11
11610	4047	358	91.67%	24.841 94	328	88.07%	22.78 572	Agtrap
214627	4642	358	84.83%	21.657 76	258	76.52%	15.62 56	Papd5
16848	2299	357	94.35%	43.607 88	351	91.04%	42.92 302	Lfng

21898	3847	357	94.49%	26.060 44	188	83.39%	13.73 908	Tlr4
20116	740	357	12.30%	135.47 91	404	13.11%	153.4 871	Rps8
20364	722	356	95.01%	138.46 77	381	92.66%	148.3 576	Sepw1
347740	4930	356	45.78%	20.278 64	284	45.60%	16.19 547	2900097 C17Rik
67003	1882	356	85.92%	53.120 98	309	85.33%	46.15 949	Uqcrc2
22022	1830	356	94.26%	54.630 43	315	93.55%	48.39 289	Tpst2
67268	1779	355	65.71%	56.038 71	409	68.97%	64.63 526	Myl12a
218543	4063	355	87.52%	24.536 76	301	83.26%	20.82 772	Srek1
18844	9045	355	72.78%	11.021 88	220	51.42%	6.838 112	Plxna1
58244	2459	355	96.95%	40.542 03	327	95.32%	37.38 62	Stx6
239667	8915	355	72.22%	11.182 6	245	57.42%	7.726 216	Dip2b
67016	5951	355	84.29%	16.752 29	269	74.74%	12.70 821	Tbc1d2b
227619	3748	355	92.56%	26.598 95	305	89.97%	22.87 823	Man1b1
56399	3695	355	92.58%	26.980 48	210	82.60%	15.97 817	Akap8
105245	2639	355	93.97%	37.776 76	257	95.15%	27.37 889	Txndc5
246177	3307	355	94.41%	30.146 01	262	94.83%	22.27 354	Myo1g
gi 46391096 ref N M_080561.3	4495	355	94.55%	22.178 61	265	87.21%	16.57 442	-
60321	2722	355	94.97%	36.624 86	304	94.78%	31.39 84	Wbp11
gi 12963808 ref N M_023742.1	2562	354	96.10%	38.802 51	360	92.39%	39.50 44	-
229709	3866	354	86.03%	25.714 44	297	81.56%	21.59 816	Ahcy11
67427	502	354	54.38%	198.03 19	342	54.18%	191.5 334	Rps20
59008	2760	354	89.38%	36.018 85	316	89.38%	32.18 845	Anapc5

12606	2651	354	96.49%	37.499 83	478	95.85%	50.69 21	Cebpα
20725	3075	354	90.60%	32.329 12	404	93.89%	36.93 672	Serp1b8
17428	4601	353	91.74%	21.545 58	238	75.61%	14.54 276	Mnt
30948	2468	353	77.27%	40.166 62	481	80.15%	54.79 262	Bin1
57778	3873	353	88.82%	25.595 46	211	76.99%	15.31 641	Fmn1
67988	4611	352	84.67%	21.437 95	288	82.32%	17.55 98	Tmx3
319955	8422	352	64.70%	11.737 16	212	50.52%	7.076 895	Ercc6
216344	1856	352	90.09%	53.259 91	314	90.52%	47.56 35	Rab21
227331	5743	351	86.78%	17.163 43	226	77.64%	11.06 348	Gigyl2
77980	6268	351	84.24%	15.725 84	300	72.99%	13.45 595	Sbf1
11993	1527	351	95.68%	64.551 12	420	91.68%	77.32 722	Aup1
97541	2501	351	94.60%	39.412 06	348	95.44%	39.11 899	Qars
69169	1491	351	99.26%	66.109 7	151	98.12%	28.47 223	Faim3
57278	2407	350	97.22%	40.834 54	372	95.10%	43.44 992	Bcam
66043	931	350	98.50%	105.57 33	351	97.21%	105.9 936	Atp5d
gi 189491856 reflN M_001033319.1	4918	350	88.90%	19.985 51	254	75.50%	14.52 002	-
23886	1084	350	98.34%	90.672 27	456	98.43%	118.2 654	Gdf15
54161	4014	350	93.52%	24.486 48	370	89.64%	25.91 472	Copg
16952	1395	350	95.99%	70.457 88	461	97.20%	92.90 709	Anxa1
53312	3455	350	83.18%	28.448 26	239	80.23%	19.44 787	Nub1
20102	885	350	17.29%	111.06 07	302	17.29%	95.93 692	Rps4x
65963	1670	349	72.93%	58.687 37	496	70.06%	83.50 016	Tmem17 6b

13047	5023	349	53.77%	19.511 83	287	41.99%	16.06 352	Cux1
18029	6295	349	84.62%	15.569 17	309	80.05%	13.80 018	Nfic
19229	4039	349	90.42%	24.265 39	289	84.10%	20.11 621	Ptk2b
15374	1384	348	97.54%	70.612 06	404	97.40%	82.06 678	Hn1
16154	3493	348	94.65%	27.977 98	317	99.03%	25.51 425	Il10ra
19170	1036	348	99.23%	94.331 17	374	97.68%	101.4 925	Psmbl1
17084	997	347	97.59%	97.739 48	455	97.89%	128.3 035	Ly86
66147	1909	347	97.07%	51.045 71	322	97.49%	47.42 115	Necap2
17423	3907	347	90.94%	24.941 45	222	83.52%	15.97 466	Ndst2
226442	5275	347	81.84%	18.473 23	402	83.58%	21.42 524	Zfp281
100532	3240	347	87.10%	30.076 01	261	82.13%	22.64 736	Rel1
26385	3013	346	90.04%	32.248 73	234	87.32%	21.83 428	Grk6
109333	6207	346	83.49%	15.654 17	266	73.19%	12.04 82	Pkn2
98193	3760	346	91.44%	25.841 87	231	84.63%	17.27 214	Dcaf8
74136	4736	346	88.62%	20.516 35	256	77.30%	15.19 674	Sec14l1
56696	2439	346	97.29%	39.838 23	244	87.78%	28.12 549	Gpr132
15002	2670	345	93.45%	36.286 37	174	83.37%	18.32 146	H2-Ob
15247	2795	345	91.27%	34.663 55	275	89.34%	27.66 133	Hiat1
20747	2882	345	87.86%	33.617 15	344	88.65%	33.55 727	Spop
12421	7046	345	73.66%	13.750 3	279	63.91%	11.13 227	Rb1cc1
81004	8127	345	74.22%	11.921 33	295	72.68%	10.20 502	Tbl1xr1
71667	3607	344	88.72%	26.782 31	394	90.24%	30.70 946	Tmem24 8

71586	5519	344	82.41%	17.503 86	868	93.46%	44.21 62	Ifih1
59125	3366	344	89.36%	28.699 88	246	89.30%	20.54 675	Nek7
11863	4370	344	89.91%	22.106 13	304	90.16%	19.55 754	Arnt
238317	7266	344	76.85%	13.295 32	180	56.34%	6.964 649	C130039 O16Rik
231803	3191	344	84.49%	30.273 83	231	80.48%	20.35 201	Mepce
68449	3614	343	85.75%	26.652 73	214	82.48%	16.64 745	Tbc1d10 b
215280	4397	343	85.69%	21.906 52	219	82.94%	14.00 263	Wipf1
53869	2333	343	88.47%	41.287 17	327	92.80%	39.40 534	Rab11a
gi 149261515 ref X R_030576.1	5612	343	61.58%	17.163 75	308	60.14%	15.42 962	-
19262	3609	343	79.22%	26.689 65	284	80.66%	22.12 349	Ptpra
56417	5936	343	85.39%	16.226 91	266	76.52%	12.59 824	Adar
21406	4707	343	86.81%	20.463 77	231	76.95%	13.79 717	Tcf12
22273	1665	342	92.73%	57.682 97	377	94.17%	63.65 745	Uqcr1
16518	5468	342	85.22%	17.564 4	307	79.28%	15.78 454	Kcnj2
224111	10318	342	66.47%	9.3082 13	183	48.27%	4.986 292	Ubxn7
109552	2375	342	81.81%	40.438 79	369	85.64%	43.68 023	Sri
70675	5192	342	84.63%	18.498 1	250	78.39%	13.53 716	Vcpip1
gi 218749872 ref N M_009067.4	3543	342	96.16%	27.107 57	326	92.10%	25.86 834	-
228850	8366	342	78.52%	11.480 05	189	58.08%	6.351 35	Ralgapb
224132	4554	342	58.89%	21.089 62	421	66.38%	25.99 029	Dirc2
68279	2519	341	94.36%	38.015 61	292	90.27%	32.58 943	Mcoln2
20200	719	341	67.73%	133.18 68	284	67.04%	111.0 482	S100a6

13191	4437	341	84.70%	21.582 45	316	82.31%	20.02 257	Dctn1
80911	3977	341	87.20%	24.078 78	245	80.24%	17.31 939	Acox3
74287	3251	341	75.39%	29.455 96	359	80.19%	31.04 557	Kcmf1
11841	2659	341	81.76%	36.014 03	337	79.77%	35.63 147	Arf2
56418	2491	340	90.41%	38.330 18	339	89.16%	38.26 028	Ykt6
20469	3868	339	86.27%	24.612 12	255	85.29%	18.53 428	Sipa1
66853	2717	339	71.40%	35.038 52	327	69.23%	33.83 609	Pnpla2
67665	3714	339	94.18%	25.632 65	290	96.85%	21.95 221	Dctn4
16323	1529	339	99.48%	62.262 7	166	97.71%	30.52 268	Inhba
76192	1967	339	92.88%	48.398 4	353	91.87%	50.45 364	Abhd12
233895	2325	339	93.16%	40.946 09	246	93.63%	29.74 639	Prr14
51786	5315	339	80.98%	17.911 51	259	74.68%	13.69 994	Cpsf2
30877	1893	338	91.39%	50.142 02	448	94.77%	66.53 49	Gnl3
14359	2339	338	92.77%	40.580 95	267	91.96%	32.09 247	Fxr1
67398	2934	338	78.19%	32.351 34	331	77.98%	31.71 685	Srpr
68089	2271	338	55.09%	41.796 05	345	55.39%	42.70 946	Arpc4
52055	6156	338	81.53%	15.418 91	250	73.46%	11.41 73	Rab11fip 5
13831	3895	338	86.50%	24.369 41	326	84.65%	23.53 056	Epc1
434341	6945	338	81.99%	13.667 22	205	49.52%	8.298 579	Nlrc5
75292	5887	338	82.25%	16.123 46	273	71.97%	13.03 739	Prkd3
22213	1982	338	97.58%	47.890 43	317	99.24%	44.96 532	Ube2g2
67241	5603	337	81.51%	16.890 6	248	71.07%	12.44 38	Smc6

78798	5445	337	84.30%	17.380 72	194	71.63%	10.01 673	Eml4
110750	3604	337	91.45%	26.259 16	239	76.55%	18.64 383	Cse11
74442	5791	337	85.44%	16.342 26	394	85.55%	19.12 779	Sgms2
12912	8431	337	67.57%	11.225	286	65.90%	9.536 94	Creb1
84652	5652	336	80.57%	16.694 48	280	65.38%	13.92 765	Fam126a
229279	5242	336	54.14%	18.000 23	322	54.73%	17.26 955	Hnrnpa3
53323	4866	336	57.36%	19.391 12	379	59.45%	21.89 723	Ube2k
12519	1701	335	89.42%	55.306 5	222	84.13%	36.69 195	Cd80
54343	4543	335	88.71%	20.707 98	304	80.12%	18.81 278	Atf7ip
432486	5204	335	87.82%	18.077 7	180	65.62%	9.724 277	Gnptab
22720	4034	335	88.25%	23.320 86	223	85.08%	15.54 143	Zfp62
211401	4975	335	86.59%	18.909 82	203	76.72%	11.47 163	Mtss1
24086	5475	335	59.98%	17.182 9	267	55.49%	13.71 037	Tlk2
17463	1616	335	91.09%	58.215 57	311	93.19%	54.10 547	Psmc7
75416	2702	335	97.37%	34.817 31	291	95.08%	30.27 818	Nop14
12763	9727	335	61.51%	9.6716 73	249	57.59%	7.196 852	Cmah
80985	5612	335	81.27%	16.763 43	258	70.56%	12.92 481	Trim44
20911	2703	334	84.98%	34.700 53	323	89.53%	33.59 531	Stxbp2
606496	2276	334	79.66%	41.210 69	282	77.37%	34.83 365	Gsk3a
98053	1720	334	98.60%	54.532 29	382	99.77%	62.43 916	Gtf2f1
67916	3162	334	93.90%	29.663 36	310	91.68%	27.56 271	Ppap2b
66830	4332	334	79.48%	21.651 79	265	73.36%	17.19 806	Nacc1

gi 141802760 ref N M_133858.3	2795	334	92.09%	33.558 33	247	83.83%	24.84 49	-
52615	4449	334	85.19%	21.082 39	246	75.95%	15.54 515	Suz12
71665	2523	333	82.96%	37.064 89	315	73.33%	35.10 067	Fuca1
23790	3436	333	94.38%	27.216 16	339	93.68%	27.73 759	Coro1c
67075	4524	332	85.50%	20.608 73	329	85.10%	20.44 539	Magt1
56469	3855	332	94.63%	24.185 18	298	93.67%	21.73 272	Pias1
21974	5652	332	80.94%	16.495 73	257	70.28%	12.78 36	Top2b
277250	7112	332	77.94%	13.109 38	182	60.76%	7.194 519	Kdm3b
14236	5101	332	88.55%	18.277 57	336	80.34%	18.51 851	Foxn2
216157	2223	332	86.86%	41.940 57	248	83.49%	31.36 421	ORF61
240613	8026	331	72.05%	11.581 49	236	61.71%	8.266 753	9930021 J03Rik
100226	2320	331	96.72%	40.065 98	285	94.57%	34.53 655	Stx12
16852	817	331	86.78%	113.77 36	209	68.79%	71.91 945	Lgals1
19899	708	331	44.07%	131.28 96	337	53.81%	133.8 193	Rpl18
17079	2326	331	98.15%	39.962 62	313	97.46%	37.83 178	Cd180
110157	3066	331	84.08%	30.317 37	301	83.01%	27.60 047	Raf1
53621	5622	331	44.72%	16.533 81	299	43.69%	14.95 211	Cnot4
21939	1784	331	92.04%	52.103 73	388	95.46%	61.14 472	Cd40
23856	8473	331	72.31%	10.970 5	278	69.07%	9.224 221	Dido1
226976	4663	331	87.86%	19.934 18	267	81.88%	16.09 785	Kans13
70361	3576	331	90.52%	25.993 59	326	91.95%	25.62 962	Lman1
12229	2535	331	93.37%	36.667 87	217	90.89%	24.06 6	Btk

110147	4026	330	86.59%	23.018 44	273	76.60%	19.06 387	Ehmt2
74763	2439	330	92.62%	37.996	273	92.91%	31.46 828	Nat15
20091	960	330	23.75%	96.533 58	323	28.75%	94.59 178	Rps3a
52502	2849	330	77.61%	32.527 99	322	77.47%	31.77 5	Carhsp1
229694	5547	330	83.16%	16.706 73	398	86.98%	20.17 191	AI50443 2
56447	1672	330	96.05%	55.425 98	313	99.28%	52.62 961	Copz1
68796	2762	330	94.06%	33.552 58	308	93.88%	31.35 084	Tmem21 4
20773	3754	330	80.02%	24.686 26	244	67.21%	18.27 333	Sptlc2
56348	1839	330	94.29%	50.392 73	300	98.42%	45.86 291	Hsd17b1 2
18475	4241	329	89.79%	21.785 29	317	91.02%	21.01 421	Pafah1b2
16859	1586	329	91.87%	58.254 36	401	94.07%	71.08 26	Lgals9
330474	6107	329	83.12%	15.128 77	224	69.15%	10.31 198	Zc3h4
65970	4245	329	81.18%	21.764 76	353	82.85%	23.37 863	Lima1
66306	4475	329	78.77%	20.646 13	238	70.12%	14.95 223	Fam53c
71648	2413	329	96.68%	38.289 02	329	97.85%	38.33 193	Optn
14455	2554	329	71.06%	36.175 18	317	70.60%	34.89 478	Gas5
22319	2115	329	98.11%	43.683 88	365	95.13%	48.51 819	Vamp3
67070	2724	329	95.89%	33.917 55	285	93.43%	29.41 439	Lsm14a
28088	1979	329	98.13%	46.685 91	278	93.13%	39.49 309	D10Wsu 52e
12848	3250	328	85.60%	28.341 72	323	89.38%	27.94 096	Cops2
74645	2054	328	98%	44.844 49	179	92.21%	24.50 049	Fam46c
20621	2919	328	95.07%	31.555 53	147	75.51%	14.15 811	Snn

75974	6665	328	77.09%	13.820 04	279	69.21%	11.76 864	Dock11
72278	2966	328	94.40%	31.055 49	374	91.34%	35.45 052	Ccpg1
28015	2265	327	88.34%	40.542 94	240	88.92%	29.78 963	Polr2m
217995	6776	327	76.59%	13.552 21	278	69.70%	11.53 436	Heatr1
117146	5191	327	79.73%	17.690 19	254	67.39%	13.75 64	Ube3b
17156	7960	327	76.70%	11.536 4	262	67.44%	9.253 592	Man1a2
93679	3262	327	84.76%	28.151 37	255	76.03%	21.97 75	Trim8
18704	8042	327	76.24%	11.418 77	228	59.85%	7.970 635	Pik3c2a
24068	1097	327	94.07%	83.709 9	357	95.44%	91.49 212	Sra1
217218	3723	326	85.15%	24.590 1	226	79.37%	17.06 623	Atxn7l3
213438	3044	326	89.16%	30.075 21	323	88.24%	29.83 184	A630033 H2ORik
18822	3268	326	88.71%	28.013 75	347	90.76%	29.85 173	Plod1
68795	8109	326	68.75%	11.289 79	224	56.06%	7.766 097	Ubr3
74203	3730	325	87.96%	24.468 66	245	77.67%	18.46 628	Eif4enif1
12053	3326	325	90.50%	27.440 8	283	90.53%	23.92 138	Bcl6
228994	3199	325	89.65%	28.530 2	303	92.75%	26.62 873	Ythdf1
20535	4202	325	89.34%	21.720 16	241	83.82%	16.12 438	Slc4a2
233208	4195	325	90.94%	21.756 4	218	84.46%	14.60 988	Scaf1
72047	4028	325	88.31%	22.658 42	229	77.93%	15.98 336	Ddx42
18607	7175	324	81.92%	12.681 16	192	65.24%	7.523 18	Pdpk1
67938	939	324	83.71%	96.898 07	395	88.07%	118.2 643	Myl12b
67231	1936	324	99.64%	46.997 57	208	92.98%	30.20 509	Tbc1d20

223255	2575	324	57.01%	35.334 87	270	55.84%	29.47 872	Stk24
19243	4153	324	33.66%	21.908 81	500	33.20%	33.84 778	Ptp4a1
237943	6844	324	82.22%	13.294 46	199	70.25%	8.174 575	Gpatch8
50930	1862	324	97.21%	48.865 35	520	98.71%	78.51 376	Tnfsf14
19260	2734	324	96.23%	33.279 92	144	83.39%	14.80 765	Ptpn22
22217	4274	324	86.80%	21.288 56	266	79.93%	17.49 723	Usp12
11737	2105	323	84.89%	43.090 96	322	86.98%	43.00 569	Anp32a
83925	10210	323	29.88%	8.8840 81	293	28.62%	8.067 965	Trps1
20454	2448	323	86.36%	37.053 29	412	82.97%	47.31 599	St3gal5
107271	2874	323	83.61%	31.561 05	284	86.88%	27.78 137	Yars
26409	5763	323	83.26%	15.739 45	268	77.39%	13.07 399	Map3k7
71817	1117	323	97.58%	81.205 43	262	97.40%	65.94 323	Tmem50 a
19330	2257	323	93.35%	40.188 95	296	93.49%	36.87 078	Rab18
30957	5596	323	80.52%	16.209 16	229	72.28%	11.50 482	Mapk8ip 3
15568	6030	323	70.35%	15.042 53	363	61.11%	16.92 433	Elavl1
69237	2579	323	96.36%	35.171 18	369	95.54%	40.22 51	Gtpbp4
12175	2429	323	93.50%	37.343 13	264	92.05%	30.55 614	Bnip2
227800	4967	322	84.28%	18.205 28	202	72.08%	11.43 35	Rabgap1
67776	4157	322	84.72%	21.752 62	219	77.92%	14.81 106	Vwa5a
74551	3400	322	88.09%	26.595 78	238	84.76%	19.67 978	Pck2
216963	3670	322	89.56%	24.639 14	255	81.53%	19.53 423	Git1
14423	3996	322	86.79%	22.629 04	285	86.09%	20.05 125	Galnt1

66588	1880	322	80.80%	48.098 74	301	81.65%	45.01 225	Cmpk1
74155	3034	321	93.11%	29.711 54	1019	96.61%	94.42 364	Errfi1
233103	5808	321	82.32%	15.520 8	223	72.09%	10.79 445	4931406 P16Rik
226016	2475	321	95.64%	36.422 15	305	83.19%	34.64 549	Fam108b
69683	1855	321	92.40%	48.595 59	304	90.78%	46.07 356	Emc10
56440	2079	321	93.22%	43.359 7	279	87.35%	37.72 87	Snx1
70769	3652	321	81.19%	24.683 68	273	80.97%	21.01 619	Nolc1
217203	2301	320	97.04%	39.054 32	262	96.57%	32.01 156	Tmem10 6a
12488	5427	320	86.83%	16.558 69	243	78.92%	12.58 834	Cd2ap
21426	1779	320	93.82%	50.513 77	331	95.39%	52.30 873	Tfec
14225	1657	320	95.11%	54.232 94	336	92.64%	57.00 84	Fkbp1a
11363	1892	320	96.25%	47.496 82	267	95.98%	39.67 457	Acadl
13805	3572	320	84.24%	25.157 89	390	94.62%	30.69 554	Eng
26395	2387	320	91.87%	37.647 25	385	94.68%	45.34 511	Map2k1
227525	4082	320	62.22%	22.014 7	250	54.85%	17.21 825	Delre1c
74200	2999	319	91.10%	29.871 01	282	86.86%	26.43 594	2810403 A07Rik
99326	3387	319	89.43%	26.449 12	432	92.18%	35.85 838	Garnl3
67367	3809	319	82.59%	23.518 81	241	75.66%	17.78 804	Gcfc1
67869	1424	319	88.48%	62.909 52	269	94.80%	53.10 855	Paip2
14420	3723	318	93.85%	23.986 66	279	89.39%	21.06 848	Galc
228361	5329	318	90.26%	16.757 8	244	76.73%	12.87 26	Ambra1
237436	6748	318	28.88%	13.233 9	347	28.62%	14.45 694	Gas2l3

26406	3161	318	96.24%	28.251 29	230	92.28%	20.45 622	Map3k3
68112	2195	318	92.30%	40.684 44	299	81.55%	38.29 647	Sdccag3
77573	4114	318	94.73%	21.706 94	241	79.75%	16.46 929	Vps33a
17972	1463	318	97.61%	61.040 56	267	98.70%	51.30 847	Ncf4
241296	4254	317	90.15%	20.926 54	223	83.64%	14.73 769	Lrrc8a
1E+08	12530	317	18.31%	7.1046 7	368	19.66%	8.256 935	Gm1782 1
21672	942	316	96.71%	94.204 55	307	98.41%	91.62 407	Prdx2
gi 54292131 ref N M_177420.1	2129	316	43.54%	41.681 86	285	44.48%	37.63 495	-
238799	5391	316	77.96%	16.460 9	228	67.26%	11.89 016	Tnpol
56453	4393	316	87.30%	20.200 48	244	76.42%	15.61 531	Mbtps1
233016	865	315	90.75%	102.26 57	441	93.76%	143.3 325	Blvrb
226856	7069	315	80.69%	12.513 77	180	55.92%	7.158 741	Lpgat1
12985	1363	315	93.32%	64.900 85	959	99.34%	197.8 085	Csf3
18139	6385	315	82.27%	13.854 32	184	58.73%	8.101 754	Zfml
432731	3990	315	83.78%	22.170 39	185	70.63%	13.03 53	Zfp187
57738	4007	314	70.90%	22.006 25	180	66.83%	12.62 918	Slc15a2
13858	5193	314	83.46%	16.980 37	237	75.47%	12.83 075	Eps15
12946	1674	314	93.31%	52.675 65	316	87.10%	53.07 057	Cr11
237256	4093	313	90.62%	21.475 25	250	80.94%	17.17 198	Zc3h12d
218756	7389	313	69.24%	11.895 82	303	72.55%	11.52 867	Slc4a7
18141	4766	313	82.58%	18.442 76	280	85.65%	16.51 681	Nup50
227720	8195	313	71.86%	10.725 83	196	56.66%	6.724 024	Nup214

242521	4217	313	83.38%	20.843 78	271	80.86%	18.06 707	Klh9
71712	2807	313	93.69%	31.313 93	291	90.31%	29.14 558	Dram1
17184	4472	313	44.81%	19.655 24	324	41.91%	20.36 879	Matr3
18080	9675	312	68.23%	9.0560 61	289	60.60%	8.397 867	Nin
338355	4363	312	89.87%	20.081 91	217	75.34%	13.98 288	Fkbp15
245944	4712	312	84.97%	18.594 52	238	74.58%	14.20 018	Vps54
18787	3024	312	94.64%	28.974	2438	99.34%	226.6 596	Serpine1
72017	1626	312	98.03%	53.885 23	322	97.05%	55.67 464	Cyb5r1
19072	2768	311	94.47%	31.552 23	206	86.60%	20.92 297	Prep
52551	1966	311	97.81%	44.423 48	313	96.74%	44.75 926	Sgta
53610	2468	311	67.42%	35.387 59	295	68.56%	33.60 462	Nono
109880	9728	311	69.97%	8.9778 54	232	53.38%	6.704 811	Braf
19230	2973	311	88.70%	29.376 58	291	80.02%	27.51 821	Twf1
20610	2493	310	69.84%	34.920 07	268	69.47%	30.22 28	Sumo3
19334	1909	310	99.16%	45.602 8	313	93.92%	46.09 571	Rab22a
67420	3972	309	86.78%	21.846 65	198	82.60%	14.01 451	Far1
320191	12836	309	57.53%	6.7602 77	197	42.34%	4.314 78	Hook3
1E+08	4898	309	37.44%	17.716 4	384	36.44%	22.04 117	Gm4122
20463	1169	309	54.32%	74.230 04	352	50.81%	84.65 454	Cox7a2l
320560	9833	309	66.81%	8.8248 67	186	50.11%	5.318 008	Dennd5b
320139	3264	309	78.83%	26.585 45	322	78.52%	27.73 498	Ptpn7
238247	5780	309	74.52%	15.012 96	254	66.99%	12.35 458	Arid4a

73379	6487	309	79.03%	13.376 74	268	69.71%	11.61 483	Dcbld2
72344	5609	308	84.19%	15.420 59	332	80.89%	16.64 082	Usp36
gi 103472008 ref N M_021455.3	3167	308	71.08%	27.311 05	328	71.30%	29.11 709	-
81018	3001	308	69.01%	28.821 76	202	68.94%	18.92 376	Rnf114
18720	2553	308	95.89%	33.879 39	261	95.97%	28.74 166	Pip5k1a
76299	2647	308	77.37%	32.676 27	303	75.71%	32.18 184	Erp44
78757	9328	308	68.79%	9.2725 22	173	50.23%	5.214 104	Rictor
19186	977	308	93.14%	88.530 29	314	96.62%	90.35 604	Psmel
18711	11255	308	61.43%	7.6849 48	178	43.62%	4.446 278	Pikfyve
17533	5322	307	83.82%	16.199 41	162	63.81%	8.557 803	Mrc1
229445	3453	307	64.09%	24.967 64	264	62.90%	21.49 46	Ctso
12339	3562	307	92.25%	24.203 61	292	83.41%	23.04 682	Capn7
26410	2507	307	86.68%	34.389 02	339	91.14%	38.01 609	Map3k8
217718	5403	307	79.22%	15.956 55	224	69.24%	11.65 561	Nek9
71607	1434	307	93.31%	60.120 83	260	96.79%	50.97 372	Snx20
56354	2312	307	82.09%	37.289 47	251	79.89%	30.52 165	Dnajc7
68436	617	306	37.28%	139.27 46	378	40.52%	172.2 379	Rpl34
56501	5847	306	64.22%	14.696 84	265	59.81%	12.74 192	Elf4
71934	2299	306	96.78%	37.378 18	207	91.52%	25.31 358	Car13
66711	1495	306	94.31%	57.479 89	368	95.45%	69.20 361	Sbds
93871	8547	306	67.06%	10.054 11	237	54.38%	7.795 729	Brwd1
13819	5352	306	47.25%	16.056 14	253	43.61%	13.29 005	Epas1

74315	4279	305	27.46%	20.016 74	157	18.18%	10.31 524	Rnf145
268936	5973	305	75.41%	14.339 8	291	72.61%	13.69 691	Brpf3
228829	5752	305	87.48%	14.890 75	271	82.18%	13.24 563	Phf20
98752	1727	305	93.80%	49.595 61	244	87.32%	39.72 095	Fcrla
gi 23956395 ref N M_153592.1	3892	305	91.39%	22.007 09	243	85.25%	17.55 317	-
382423	3607	305	92.82%	23.745 94	261	87.08%	20.34 307	Atxn7l3b
59003	2128	305	95.21%	40.249 82	216	94.17%	28.53 673	Maca
72477	4631	305	86.74%	18.495 27	167	72.01%	10.13 827	Tmem87 b
74185	2846	304	94.98%	29.996 76	409	95.75%	40.40 271	Gbe1
23807	3924	304	82.24%	21.756 06	317	83.74%	22.71 184	Arih2
gi 146198669 ref N M_178606.4	3023	304	94.57%	28.240 42	256	86.57%	23.80 806	-
22146	1977	304	25.95%	43.181 99	425	33.89%	60.43 721	Tuba1c
16656	9021	304	73.27%	9.4635 62	174	53.13%	5.422 714	Hivep3
12798	1800	304	94.78%	47.428 22	153	91.39%	23.89 687	Cnn2
74120	3242	304	93.34%	26.332 75	273	82.67%	23.67 401	Zfp263
71435	6974	304	78.08%	12.241 29	223	67.75%	8.989 697	Arhgap2 1
gi 22122536 ref N M_146047.1	2058	304	97.04%	41.482 4	244	93.25%	33.33 24	-
19134	4482	304	88.13%	19.047 48	210	83.58%	13.17 254	Prpf4b
12775	1975	304	94.84%	43.225 72	174	90.63%	24.76 876	Ccr7
105787	4655	304	86.49%	18.339 59	201	76.22%	12.13 944	Prkaa1
226178	3946	303	89.74%	21.563 6	219	82.29%	15.60 304	D19Wsu 162e
15254	576	303	96.01%	147.72 56	282	98.26%	137.6 413	Hint1

17085	2449	303	96.04%	34.744 78	250	92.12%	28.69 943	Ly9
18749	4341	303	85.83%	19.601 47	259	83.02%	16.77 382	Prkacb
74451	2298	303	97.21%	37.027 83	313	88.47%	38.29 274	Pgs1
228359	3113	303	81.66%	27.333 75	242	75.01%	21.85 538	Arhgap1
110532	6649	302	79.20%	12.755 17	374	81.40%	15.81 384	Adarb1
20467	4117	302	69.47%	20.599 74	309	64.12%	21.10 084	Sin3b
224903	3183	302	78.51%	26.644 4	276	80.02%	24.37 78	Safb
19159	4073	302	81.86%	20.822 28	246	76.63%	16.98 02	Cyth3
11772	4639	302	85.90%	18.281 77	263	83.08%	15.93 872	Ap2a2
17909	8098	302	75.75%	10.472 85	190	55.63%	6.596 263	Myo10
68095	3344	302	45.90%	25.361 58	313	31.04%	26.31 481	Ociad1
gi 262231795 ref N M_175251.3	9031	302	66.21%	9.3908 91	248	57.27%	7.720 367	-
65098	1658	302	87.94%	51.151 47	261	86.91%	44.25 661	Zfand6
74569	4607	301	85.80%	18.347 8	258	85.48%	15.74 431	Ttc17
212898	4243	301	86.83%	19.921 83	340	85.22%	22.52 828	Dse
54723	3549	301	86.17%	23.817 5	274	85.55%	21.70 534	Tfip11
68631	1410	300	96.60%	59.749 99	427	98.79%	85.13 946	Cryl1
66366	1297	300	98.84%	64.955 66	388	99.15%	84.10 346	Ergic3
54381	2013	300	82.96%	41.851 71	286	89.52%	39.94 334	Pgcp
226169	5244	300	84.40%	16.065 5	319	78.76%	17.10 213	Pprc1
57741	2785	300	68.26%	30.250 44	319	69.23%	32.20 235	Noc2l
27967	3820	300	90.99%	22.054 32	199	85.03%	14.64 576	Cherp

109154	5970	299	75.28%	14.064 77	197	67.87%	9.277 138	Mlec
76178	3862	299	88.81%	21.741 76	220	80.92%	16.01 521	Coa5
14719	2345	299	97.87%	35.806 68	270	98.64%	32.37 002	Got2
242860	5562	299	78.48%	15.096 49	350	77.96%	17.69 128	Rsb11
71521	4146	299	82.56%	20.252 45	160	66.74%	10.84 958	Pds5a
78783	4443	299	92.30%	18.898 64	221	83.41%	13.98 421	Brpf1
243958	2484	299	89.01%	33.803	158	79.67%	17.88 247	Siglegc
68524	7589	299	72.09%	11.064 26	267	65.28%	9.891 196	Wipf2
17449	1958	298	72.37%	42.740 47	294	64.91%	42.21 402	Mdh1
14390	5004	298	78.70%	16.723 79	197	70.58%	11.06 805	Gabpa
320213	6352	298	84.19%	13.174 72	163	63.16%	7.214 384	Senp5
64602	5808	298	78.72%	14.408 72	213	64.50%	10.31 039	Ireb2
gi 261878573 ref NM_133797.3	2673	298	89.45%	31.307 83	255	82.34%	26.82 028	-
27403	6607	297	74.59%	12.623 73	189	58.59%	8.042 288	Abca7
66471	3273	297	88.30%	25.482 74	275	85.85%	23.62 157	Anp32e
17274	2012	297	86.53%	41.453 78	277	88.77%	38.70 561	Rab8a
194388	10907	297	59.98%	7.6469 25	237	55.40%	6.108 93	Tet3
83997	4501	297	85.29%	18.530 33	250	80.83%	15.61 54	Slmap
207214	6552	297	53.74%	12.729 7	287	50.31%	12.31 488	Larp4
103236	2436	296	87.27%	34.123 23	242	81.40%	27.92 931	Csnk1g2
14609	3105	296	94.24%	26.771 08	112	76.10%	10.14 095	Gja1
1E+08	2468	296	51.01%	33.680 79	338	51.05%	38.50 292	Gm3781

70568	5646	296	83.56%	14.722 67	207	69.61%	10.30 746	Cpne3
21843	4292	296	67.57%	19.367 24	251	58.20%	16.44 13	Tial1
381921	5270	295	73.19%	15.719 8	192	65.75%	10.24 266	Taok2
117150	3374	295	88.77%	24.553 46	201	85.57%	16.74 839	Pip4k2c
55989	1976	295	91.09%	41.924 78	378	94.18%	53.78 077	Nop58
21888	4555	295	78.81%	18.187 35	260	82.77%	16.04 749	Tle4
270066	7043	295	69.02%	11.762 51	238	60.50%	9.500 389	Slc35e1
232288	5043	295	78.09%	16.427 4	304	79.99%	16.94 754	Frmd4b
239985	11325	295	51.46%	7.3150 87	276	45.38%	6.851 616	Arid1b
74781	3913	295	94.12%	21.171 32	280	88.50%	20.11 733	Wipi2
69617	3547	295	86.07%	23.355 9	253	84.27%	20.05 31	Pitrm1
20787	4299	295	87.69%	19.270 38	176	73.44%	11.50 979	Srebfl
gi 141803417 ref NM_172691.2	2961	295	88.38%	27.978 17	273	91.59%	25.92 068	-
14605	2149	295	78.32%	38.549 73	170	71.29%	22.23 999	Tsc22d3
27261	1546	295	98.64%	53.585 62	238	98.97%	43.28 023	Dok3
26400	3556	294	86.33%	23.217 81	252	80.60%	19.92 328	Map2k7
72055	4592	294	78.92%	17.979 65	233	69.73%	14.26 514	Slc38a10
78425	2747	294	75.14%	30.055 53	268	65.56%	27.42 826	9530053 H05Rik
218397	5101	294	73.77%	16.185 56	279	66.61%	15.37 698	Rasa1
74334	5308	294	84.98%	15.554 36	184	68.31%	9.745 61	Ranbp10
230789	3058	294	89.21%	26.998 87	253	92.48%	23.25 976	Fam76a
12520	1534	294	95.31%	53.821 73	381	94.33%	69.82 673	Cd81

56215	4751	294	42.05%	17.377 93	184	41.55%	10.88 817	Acin1
gi 113195699 ref N M_010700.2	4531	293	87.93%	18.159 73	380	91.94%	23.57 825	-
56389	2128	293	85.67%	38.666 22	252	88.06%	33.29 285	Stx5a
56433	991	293	97.17%	83.028 97	282	96.47%	80.00 14	Vps29
107975	4361	293	83.81%	18.867 63	252	79.09%	16.24 563	Pacs1
67808	1756	293	94.48%	46.857 47	251	94.13%	40.18 568	Tprgl
381990	3227	293	80.76%	25.497 9	269	78.68%	23.43 557	Zbtb2
11980	8175	292	64.61%	10.030 69	262	63.22%	9.010 225	Atp8a1
68041	2059	292	91.26%	39.825 59	227	92.18%	30.99 5	Mid1ip1
71853	2125	292	41.93%	38.588 65	325	43.06%	42.99 783	Pdia6
gi 146141185 ref N M_029561.3	2276	292	90.55%	36.028 51	345	94.11%	42.61 563	-
223739	5032	291	82.11%	16.240 08	240	75.95%	13.40 889	5031439 G07Rik
71436	4537	291	13.67%	18.011 92	455	14%	28.19 452	Flrt3
100383	2684	291	93.03%	30.447 12	243	89.72%	25.45 34	Bsdcl
71732	3194	291	96.34%	25.585 49	238	94.11%	20.94 904	Vps11
13498	4426	291	75.92%	18.463 64	206	73.25%	13.08 513	Atn1
56392	4116	291	82.09%	19.854 24	196	83.92%	13.38 76	Shoc2
73233	33831	291	14.70%	2.4155 38	265	12.70%	2.202 182	Zfp942
14567	2657	291	89.57%	30.756 52	196	87.69%	20.73 894	Gdi1
20443	2059	291	90.87%	39.689 2	340	90.24%	46.42 423	St3gal4
216810	5000	291	84.10%	16.344 01	227	72.98%	12.76 374	Tom1l2
108946	7601	290	65.73%	10.714 28	240	56.28%	8.876 927	Zzz3

19654	3991	290	83.04%	20.405 72	185	73.49%	13.03 203	Rbm6
328108	6434	290	77.34%	12.657 64	230	65.09%	10.05 007	Fam179b
15467	2805	290	88.48%	29.033 6	287	85.56%	28.76 545	Eif2ak1
13859	3397	290	86.49%	23.973 87	249	80.69%	20.60 753	Eps1511
67054	2394	289	81.95%	33.900 76	257	82.58%	30.18 082	Paics
gi 291327469 ref N M_010585.4	9875	289	64.08%	8.2185 74	175	47.23%	4.982 222	-
27419	2504	289	91.85%	32.411 51	286	92.97%	32.11 1	Naglu
16970	2313	289	94.03%	35.087 94	249	93.30%	30.26 536	Lrmp
18786	6815	289	48.83%	11.908 79	233	46.02%	9.611 965	Plaa
320487	7761	288	71.45%	10.421 03	253	57.05%	9.164 841	Heatr5a
72552	3183	288	93.12%	25.409 23	218	85.77%	19.25 493	Hsd11
77110	3550	288	76.45%	22.782 42	219	68.62%	17.34 355	Gpbp111
12861	533	288	94.18%	151.74 03	340	93.81%	179.3 386	Cox6a1
72399	3727	288	91.23%	21.700 45	255	84.60%	19.23 547	Brap
64340	4190	288	88.35%	19.302 53	226	81.24%	15.16 41	Dhx38
93695	3798	287	60.29%	21.220 84	113	57.21%	8.364 608	Gpnmb
223453	1481	287	90.88%	54.420 5	226	96.35%	42.90 18	Dap
98878	3387	287	86.30%	23.795 92	286	85.92%	23.73 958	Ehd4
12014	8493	287	68.88%	9.4897 87	175	50.39%	5.792 94	Bach2
22381	1018	287	91.16%	79.171 67	286	92.93%	78.98 423	Wbp5
72993	6961	287	72.73%	11.578 33	241	69.27%	9.733 466	Appl1
19708	2690	287	87.84%	29.961 62	238	82.75%	24.87 407	Dpf2

268448	4412	286	80.39%	18.203 98	171	71.71%	10.89 639	Phf12
319468	6413	286	76.30%	12.523 93	299	79.99%	13.10 787	Ppm1h
231238	4532	286	84.75%	17.721 96	234	77.38%	14.51 604	Sel113
12290	12697	286	54.48%	6.3255 84	86	22.90%	1.904 23	Cacna1e
212285	7363	286	69.66%	10.908 05	154	44.68%	5.880 145	Arap2
66427	4294	286	81.25%	18.704 22	203	74.13%	13.29 095	Cyb5b
94280	2974	286	83.73%	27.006 03	237	82.08%	22.40 42	Sfxn3
67561	3821	286	72.62%	21.019 61	233	73.20%	17.14 356	Wdr48
gi 31981212 ref N M_021878.2	4939	286	89.88%	16.261 58	207	71.69%	11.78 293	-
23959	3580	285	90.98%	22.356 18	327	91.01%	25.67 952	Nt5e
214987	2942	285	82.56%	27.204 32	212	79.23%	20.25 887	Chtf8
26914	1978	285	85.49%	40.462 65	266	90.39%	37.80 746	H2afy
245860	3764	285	95.48%	21.263 31	293	92.69%	21.88 468	Atg9a
114741	4491	285	71.43%	17.821 22	256	65.53%	16.02 577	Supt16h
19941	564	285	30.85%	141.90 62	386	38.83%	192.4 112	Rpl26
192160	3764	285	89.35%	21.263 31	242	85.84%	18.07 54	Casc3
107022	2611	284	88.32%	30.545 5	200	80.01%	21.53 502	Gramd3
56095	2865	284	95.04%	27.837 45	228	87.19%	22.37 342	Ftsj3
12929	3863	284	87.73%	20.645 69	159	75.36%	11.57 163	Crkl
228608	2280	284	86.80%	34.979 95	209	91.67%	25.77 114	Smox
414084	3769	284	74.90%	21.160 6	355	79.09%	26.48 039	Tnip3
20227	5091	283	52.48%	15.610 58	257	48.44%	14.19 228	Sart1

16803	2528	283	74.45%	31.437 29	506	74.49%	56.27 242	Lbp
15931	4988	283	74.44%	15.932 93	258	76.34%	14.54 171	Ids
53619	2099	283	93.95%	37.862 54	315	94%	42.19 104	Blcap
225888	6131	283	74.33%	12.962 56	206	71.52%	9.446 219	Suv420h 1
16418	1495	283	86.15%	53.159 51	339	78.80%	63.75 006	Eif6
67921	1363	282	83.86%	58.101 72	321	86.79%	66.21 117	Ube2f
320351	1205	282	95.10%	65.720 03	348	89.38%	81.19 22	Tmem25 1
17222	8967	282	67.49%	8.8315 65	164	46.68%	5.141 843	Anapc1
66412	3903	282	88.93%	20.290 2	230	82.99%	16.56 729	Arrdc4
14590	1340	282	90.90%	59.098 98	386	90.22%	80.98 501	Ggh
22330	5229	281	86.12%	15.091 19	228	66.95%	12.25 853	Vcl
75909	2773	281	77.75%	28.457 2	262	76.38%	26.56 278	Vmp1
23939	2945	281	94.16%	26.795 18	242	91.17%	23.10 214	Mapk7
78521	4691	281	82.65%	16.821 96	196	73.84%	11.74 662	B230219 D22Rik
23880	2677	281	91.89%	29.477 7	320	92.64%	33.60 653	Fyb
64143	2293	281	89.01%	34.414 22	339	89.32%	41.56 404	Ralb
102294	2930	281	95.19%	26.932 36	276	91.16%	26.48 278	Cyp4v3
67006	2885	280	94.80%	27.255 11	268	94.56%	26.11 627	Cisd2
78891	2637	280	95.15%	29.818 35	277	89.69%	29.53 193	Scyl1
14265	4412	280	78.15%	17.822 07	244	77.56%	15.54 807	Fmr1
94093	8868	279	58.55%	8.8351 56	167	50.14%	5.294 353	Trim33
18624	1856	279	97.14%	42.214 53	264	96.07%	39.98 969	Pept

213054	8703	279	73.55%	9.0026 62	179	52.91%	5.782 374	Gabpb2
207521	5786	279	72.76%	13.541 34	220	62.95%	10.68 972	Dtx4
226151	6880	279	77.67%	11.388 11	159	56.90%	6.497 268	Fam178a
207278	4432	279	87.61%	17.678 29	77	50.05%	4.884 421	Fchsd2
98221	1230	278	93.98%	63.471 01	293	92.52%	66.97 067	Eif3m
83796	2767	278	91.76%	28.214 43	205	78.53%	20.82 892	Smarcd2
217866	6718	278	74.52%	11.620 92	213	61.57%	8.913 776	Cdc42bp b
gi 22122584 ref N M_146083.1	2304	278	71.57%	33.884 26	342	73.87%	41.73 167	-
106583	4892	278	76.23%	15.958 57	182	69.64%	10.45 941	Scaf8
gi 28076934 ref N M_027151.1	1653	278	97.58%	47.228 88	294	98.55%	50.00 306	-
78825	4214	278	84.58%	18.526 18	184	75.87%	12.27 568	Desi2
101314	1110	278	91.71%	70.332 74	333	91.17%	84.34 19	Brk1
16650	5711	277	83.28%	13.620 82	176	69.85%	8.664 083	Kpna6
30945	4276	277	87.02%	18.191 89	242	81.48%	15.91 108	Rnf19a
29809	6338	277	70.97%	12.273 35	135	45.38%	5.988 301	Rabgap1 l
11433	1425	277	89.05%	54.588 43	312	88.28%	61.55 479	Acp5
56205	2276	277	95.43%	34.177 73	214	91.12%	26.43 405	Ensa
330260	1850	277	96.86%	42.047 85	246	93.41%	37.38 398	Pon2
268783	4518	277	88.84%	17.217 47	175	79.11%	10.88 965	Mtmr12
67959	1929	277	96.22%	40.325 82	301	92.22%	43.86 886	Puf60
215114	7883	277	73.08%	9.8678 82	262	66.08%	9.343 98	Hip1
66967	6604	276	76.44%	11.736 48	216	64.85%	9.195 361	Edem3

12017	1365	276	85.27%	56.782 19	234	86.59%	48.19 537	Bag1
16194	3343	276	91.65%	23.185 07	307	90.85%	25.81 809	Il6ra
14068	1868	276	97.86%	41.492 34	178	92.93%	26.78 954	F7
20024	3321	276	49.80%	23.338 66	253	36.19%	21.41 775	Sub1
11834	4900	276	86.84%	15.817 9	204	68.31%	11.70 459	Aqr
65020	3549	276	84.84%	21.839 3	217	81.88%	17.19	Zfp110
66997	1723	276	88.86%	44.984 15	312	96.92%	50.90 863	Psm12
109161	2952	276	88.28%	26.255 99	265	88.52%	25.23 781	Ube2q2
23970	3732	276	75.51%	20.768 41	223	74.68%	16.79 907	Pacsin2
12268	5427	276	4.35%	14.281 87	374	4.83%	19.37 465	C4b
72584	5079	275	85.39%	15.205 13	201	69.66%	11.12 602	Cul4b
52635	5556	275	76.66%	13.899 72	182	64.87%	9.209 399	Esyt2
76820	4872	275	81.71%	15.851 16	214	78.92%	12.34 891	Fam49a
56420	1332	275	90.84%	57.978 13	286	90.32%	60.36 482	Ppp4c
66205	1257	275	86.32%	61.437 44	278	87.03%	62.17 727	Cd302
233900	4172	275	83.65%	18.510 75	230	74.26%	15.49 907	Rnf40
102247	3944	275	80.81%	19.580 85	209	76.60%	14.89 812	Agpat6
78826	2827	275	90.24%	27.317 6	110	73.61%	10.93 929	P2ry10
69900	3172	275	84.68%	24.346 43	230	78.47%	20.38 528	Mfsd11
18674	1512	275	52.05%	51.075 97	314	52.45%	58.38 482	Slc25a3
gi 118130140 ref NM_153515.3	3385	275	95.13%	22.814 44	166	81.09%	13.78 706	-
54196	1793	274	88.34%	42.914 69	334	88.68%	52.37 069	Pabpn1

241633	5529	274	83.83%	13.916 81	143	66.65%	7.271 292	Atp8b4
20729	4136	274	55.95%	18.603 97	302	57.18%	20.52 809	Spin1
12799	2548	274	87.68%	30.198 6	178	81.04%	19.64 005	Cnp
57317	2254	274	89.40%	34.137 55	240	83.23%	29.93 501	Srsf4
19988	1282	274	10.45%	60.020 31	281	10.53%	61.62 266	Rpl6
27225	3070	274	85.67%	25.063 86	267	84.76%	24.45 091	Ddx24
231128	4600	273	85.28%	16.666 35	230	80.33%	14.05 698	Fam193a
74112	2926	273	86.47%	26.201 37	260	84.79%	24.98 165	Usp16
23879	3002	273	88.81%	25.538 05	252	82.91%	23.6	Fxr2
76308	1835	273	96.68%	41.779 41	278	94.22%	42.59 228	Rab1b
99152	3021	273	83.91%	25.377 43	184	84.41%	17.12 337	Anapc2
68598	1410	273	92.48%	54.372 49	344	87.94%	68.59 01	Dnajc8
67830	1518	273	94.40%	50.504 09	218	91.37%	40.37 447	Rer1
67302	6151	273	86.21%	12.463 86	273	78.95%	12.47 783	Zc3h13
76014	3814	273	80.96%	20.101	224	77.08%	16.51 161	Zc3h18
66367	2648	273	88.97%	28.952 12	251	87.76%	26.64 881	2310022 A10Rik
67163	3270	272	85.14%	23.359 14	194	78.81%	16.67 923	Ccdc47
gi 32451487 ref N M_026101.2	3857	272	83.17%	19.804 09	186	76.38%	13.55 768	-
14159	2780	272	96.94%	27.476 4	302	95.83%	30.54 107	Fes
213499	5943	272	84%	12.852 83	151	66.23%	7.143 209	Fbxo42
107951	3389	272	64.56%	22.538 92	239	62.32%	19.82 661	Cdk9
68050	2383	272	77.38%	32.053 88	268	75.45%	31.61 789	Akirin1

53334	4265	272	89.10%	17.909 59	191	82.84%	12.59 031	Gosr1
13665	3152	272	57.68%	24.233 63	288	52.63%	25.68 789	Eif2s1
gi 75750500 ref NM_023910.5	2333	272	91.51%	32.740 84	190	86.93%	22.89 607	-
214459	5346	271	84.06%	14.235 61	197	66.55%	10.35 999	Fnbp11
432572	6676	271	69.22%	11.399 58	228	67.96%	9.601 534	Specc1
68970	3454	271	92.65%	22.033 46	208	86.25%	16.93 024	Dcaf12
432508	6534	271	74.58%	11.647 32	204	62.40%	8.777 547	Cpsf6
74018	6681	271	69.68%	11.391 04	157	56.52%	6.606 635	Als2
21664	1953	271	83.26%	38.967 52	784	84.38%	112.8 589	Phlda1
22661	9431	271	59.16%	8.0695 12	163	48.99%	4.859 057	Zfp148
54353	1656	270	96.86%	45.786 68	288	96.68%	48.89 385	Skap2
60504	2607	270	95.40%	29.084 29	199	87.73%	21.46 022	Ii21r
20851	5255	270	76.69%	14.428 69	159	60.32%	8.506 414	Stat5b
70144	5918	270	63.77%	12.812 22	166	52.60%	7.885 972	Lrch3
225358	3359	270	74.75%	22.573 01	184	67.73%	15.40 033	Fam13b
71389	10573	270	61.27%	7.1713 55	150	43.59%	3.988 551	Chd6
94184	3224	270	89.83%	23.518 22	226	85.17%	19.70 768	Pdxdc1
56307	4990	270	54.33%	15.194 94	311	58.40%	17.52 193	Metap2
67784	6913	270	69.88%	10.968 14	144	53.61%	5.856 229	Plxd1
22404	4327	269	76.10%	17.458 27	194	69.84%	12.60 483	Wiz
72238	5617	269	83.21%	13.448 8	181	66.85%	9.059 334	Tbc1d5
230895	13080	269	50.32%	5.7753 76	196	36.70%	4.212 796	Vps13d

66932	5249	269	75.84%	14.391 68	204	67.35%	10.92 637	Rexo1
76479	2125	269	90.16%	35.549 14	304	94.92%	40.21 951	Smndc1
269003	4015	269	87.90%	18.814 92	191	80.97%	13.37 427	Sap130
66810	2079	269	94.42%	36.335 7	255	97.31%	34.48 322	Rbm22
27410	6453	268	72.73%	11.662 96	217	63.78%	9.454 1	Abca3
67979	2813	268	89.83%	26.754 74	188	86.99%	18.78 928	Atad1
11771	3457	268	84.18%	21.770 64	183	72.95%	14.88 243	Ap2a1
211548	4277	268	87.73%	17.596 7	280	87.56%	18.40 522	Nomo1
65973	6688	268	52.38%	11.253 15	184	45.66%	7.734 704	Asph
54644	2505	268	88.18%	30.044 35	247	84.11%	27.72 116	Otud5
15239	2908	268	92.16%	25.880 7	243	90.23%	23.49 276	Hgs
66700	2592	268	94.02%	29.035 91	272	91.44%	29.50 231	Chmp3
54391	2482	268	88.72%	30.322 76	312	92.95%	35.34 068	Rfk
98758	2548	268	24.65%	29.537 32	269	24.80%	29.68 076	Hnrnpf
21391	1992	268	96.69%	37.781 67	319	96.34%	45.02 186	Tbxas1
192170	1489	268	87.31%	50.544 72	273	84.69%	51.54 542	Eif4a3
67529	2828	267	94.24%	26.513 53	229	88.97%	22.76 555	Fgfr1op2
110323	505	267	88.71%	148.47 58	314	88.71%	174.8 076	Cox6b1
15452	1349	267	94.89%	55.582 11	249	89.84%	51.89 309	Hprt
100465	2882	267	91.57%	26.016 75	258	87.79%	25.16 795	Mob3c
108735	5526	267	81.98%	13.568 63	162	65.85%	8.241 879	Sft2d2
22057	2288	267	86.15%	32.771 09	298	83.17%	36.61 697	Tob1

1E+08	1766	266	72.54%	42.298 66	414	79.05%	65.90 703	Mir22hg
383295	2869	266	69.05%	26.036 75	272	71.21%	26.65 388	Ypel5
234729	3053	266	93.25%	24.467 55	162	81.20%	14.91 799	Vac14
21927	3709	266	87.79%	20.140 05	195	81.72%	14.78 087	Tnfaip1
170759	3915	266	84.73%	19.080 32	177	79%	12.71 053	Atp13a1
235682	6189	266	71.19%	12.069 71	128	52.51%	5.814 49	Zfp445
13169	2369	266	94.60%	31.532 06	192	86.49%	22.78 549	Dbnl
26403	3919	266	82.42%	19.060 84	211	73.36%	15.13 663	Map3k1 1
227699	5670	266	81.16%	13.174 5	191	61.15%	9.470 489	Nup188
75415	5034	266	73.98%	14.838 98	192	63.67%	10.72 285	Arhgap1 2
72515	3450	266	91.10%	21.652 01	225	84.78%	18.33 52	Wdr43
12034	1360	266	97.28%	54.926 06	273	98.75%	56.43 465	Phb2
229517	3592	265	93.62%	20.717 88	231	83.02%	18.07 997	Slc25a44
229707	3248	265	92.92%	22.912 14	233	83.96%	20.16 796	Fam40a
54709	1127	265	96.63%	66.032 49	257	93.70%	64.11 082	Eif3i
235461	8081	265	68.52%	9.2090 85	175	55.30%	6.088 286	Fam63b
14678	2177	265	36.61%	34.184 02	312	36.84%	40.29 195	Gnai2
gi 91598585 ref NM_001005506.2	4702	264	82.86%	15.767 29	214	76.90%	12.79 538	-
66354	2257	264	95.44%	32.847 94	278	94.90%	34.62 863	Snw1
14050	5204	264	85.03%	14.246 31	173	74.12%	9.346 111	Eya3
16825	2295	264	82.09%	32.304 05	220	76.95%	26.95 021	Ldb1
15184	3816	264	89.75%	19.428 14	230	83.86%	16.94 5	Hdac5

15936	1541	264	97.14%	48.110 18	360	94.55%	65.67 831	Ier2
109263	6585	264	70.52%	11.258 59	213	64.31%	9.093 811	Rlf
211978	9368	264	60.60%	7.9139 4	182	45.38%	5.461 936	Zfyve26
210711	4171	264	79.33%	17.774 58	210	73.70%	14.15 472	Mcmbp
217664	2620	264	85.61%	28.296 87	291	86.49%	31.22 582	Mgat2
13167	593	264	72.85%	125.02 16	282	72.18%	133.6 954	Dbi
12607	4091	264	76.17%	18.122 17	285	81.40%	19.58 563	Cebpz
68778	2938	264	93.16%	25.234 1	220	87.24%	21.05 198	1110038 D17Rik
72925	4391	264	77.91%	16.884 03	183	69.60%	11.71 682	1-Mar
641340	1789	263	94.35%	41.283 94	206	90.67%	32.37 271	Nrbf2
20684	2158	263	82.44%	34.224 73	232	83.92%	30.22 447	Sp100
75788	5333	263	83.72%	13.849 05	163	68.65%	8.592 868	Smurf1
72057	1665	263	87.63%	44.358 54	278	85.95%	46.94 104	Phf10
106759	2852	262	90.15%	25.798 09	241	87.24%	23.75 689	Ticam1
52808	2776	262	92.47%	26.504 37	239	82.82%	24.20 475	Tsypyl2
107503	1833	262	95.85%	40.139 74	237	91.65%	36.35 03	Atf5
24055	3069	262	83.97%	23.973 98	355	88.86%	32.52 023	Sh3bp2
106529	1190	262	95.71%	61.828 69	237	96.30%	55.99 168	Tecr
14705	1965	262	80.25%	37.443 33	281	80.66%	40.20 369	Bsc12
13135	3506	262	17.17%	20.985 78	292	16.17%	23.41 494	Dad1
213326	3431	261	89.04%	21.362 67	186	74.50%	15.24 103	Scyl2
56784	7922	261	65.51%	9.2521 23	182	47.40%	6.458 902	Ralgapa1

99375	3628	261	91.29%	20.202 68	232	86.47%	17.97 806	Cul4a
93762	4658	261	54.74%	15.735 36	233	52.58%	14.06 302	Smarca5
97387	3562	261	77.29%	20.577 01	211	71.93%	16.65 37	Strn4
gi 32813438 ref N M_177262.3	3124	261	90.36%	23.462 01	179	85.79%	16.10 883	-
55950	963	261	75.29%	76.111 44	389	84.42%	113.5 652	Bri3
71678	3457	261	56.06%	21.202	216	52.10%	17.56 615	Brox
22260	1964	261	97.81%	37.319 41	223	95.21%	31.92 166	Nr1h2
17281	7942	261	67.90%	9.2288 23	385	74.40%	13.62 865	Fyco1
gi 32130520 ref N M_025441.2	3720	260	83.87%	19.627 55	276	81.37%	20.85 875	-
56305	2761	260	97.97%	26.444 94	213	90.80%	21.68 879	Pitpnb
56428	2420	260	83.06%	30.171 28	273	83.06%	31.71 534	Mtch2
224619	2735	260	89.29%	26.696 34	192	83.84%	19.73 631	Traf7
57912	2757	260	87.52%	26.483 31	180	88.83%	18.35 515	Cdc42se 1
74322	2537	259	92.08%	28.669 16	227	86.16%	25.15 518	Cxxc1
20847	4402	259	81.35%	16.522 87	307	82.53%	19.60 697	Stat2
75137	8419	259	63.76%	8.6392 29	164	53.39%	5.476 53	Rprd2
329003	7725	259	69.11%	9.4153 61	254	69.45%	9.243 945	Zfp516
67845	2265	259	65.03%	32.111 99	198	59.07%	24.57 645	Rnf115
18538	1260	259	52.30%	57.725 13	280	51.59%	62.47 548	Pcna
76808	1291	259	15.10%	56.339 01	290	15.10%	63.15 298	Rpl18a
103537	5231	258	82.26%	13.850 67	251	76.45%	13.48 997	Mbtd1
14571	5745	258	80.23%	12.611 46	199	67.61%	9.738 345	Gpd2

241694	9633	257	61.78%	7.4921 64	234	55.13%	6.829 304	Ralgapa2
18186	5921	257	79.34%	12.189 16	253	75.76%	12.01 289	Nrp1
171207	3321	257	91.33%	21.732 01	150	75.85%	12.69 827	Arhgap4
12795	2474	257	91.31%	29.172 2	268	87.83%	30.45 49	Plk3
55942	1188	257	96.55%	60.750 85	379	97.90%	89.69 018	Sertad1
19707	2618	257	92.40%	27.567 61	273	93.16%	29.31 67	Reps1
12334	3205	257	92.98%	22.518 57	231	88.46%	20.26 311	Capn2
68877	1749	257	93.83%	41.264 73	204	93.14%	32.79 159	Maf1
57439	3169	257	92.81%	22.774 38	241	89.74%	21.38 045	Tmem18 3a
72123	4155	257	72.39%	17.369 92	219	80.60%	14.81 819	2010109 K11Rik
17191	1866	257	69.24%	38.677 39	242	70.15%	36.46 077	Mbd2
13838	6328	256	77.23%	11.360 81	152	55.28%	6.753 039	Epha4
228913	5685	256	76.73%	12.645 77	218	70.06%	10.78 073	Zfp217
12750	1892	256	90.86%	37.997 46	249	95.51%	36.99 988	Clk4
66871	3324	256	61.34%	21.627 92	290	70.52%	24.52 783	Cpne8
68744	3760	256	85.77%	19.12	196	77.42%	14.65 515	Zfp740
329908	10601	256	51.70%	6.7815 48	119	29.10%	3.155 893	Usp24
110920	4175	256	83.69%	17.219 45	234	82.97%	15.75 729	Hspa13
17304	2143	256	95.10%	33.546 99	340	96.50%	44.60 452	Mfge8
gi 19527233 ref N M_134017.1	1801	256	96.84%	39.917 37	207	95.61%	32.31 311	-
22333	1766	256	97.73%	40.708 49	254	99.09%	40.43 572	Vdac1
gi 37674237 ref N M_177710.3	4368	255	84.55%	16.394 31	258	86.79%	16.60 578	-

269254	10970	255	56.45%	6.5278 36	141	36.60%	3.613 554	Setx
66229	2606	255	86.88%	27.479 04	233	88.87%	25.13 643	Rpl711
66849	4098	255	62.18%	17.474 47	332	70.03%	22.77 657	Ppp1r2
110854	2577	255	96.74%	27.788 27	244	92.98%	26.61 935	Ppp2r4
19172	949	255	93.78%	75.458 76	274	95.36%	81.17 204	Psbm4
30791	2344	255	36.43%	30.550 5	338	36.05%	40.53 976	Slc39a1
19332	722	255	99.45%	99.183 33	401	99.86%	156.1 454	Rab20
212111	2843	254	84.77%	25.089 53	192	83.19%	18.98 657	Inpp5a
56491	6969	254	42.07%	10.235 26	258	38.90%	10.40 81	Vapb
72949	3514	254	87.76%	20.298 67	160	82.81%	12.80 09	Ccnt2
17939	1913	254	94.20%	37.286 74	261	95.71%	38.35 727	Naga
gi 141803555 ref NM_028774.2	3322	254	86.42%	21.471 87	168	77%	14.21 778	-
19385	852	254	97.65%	83.720 12	282	97.07%	93.05 327	Ranbp1
217232	5783	254	75.62%	12.334 35	168	68.49%	8.167 294	Cdc27
67628	1382	254	73.44%	51.613 27	244	71.56%	49.63 681	Anp32b
28064	2035	254	88.11%	35.051 37	219	81.13%	30.25 532	Yipf3
56715	2843	254	49.77%	25.089 53	430	52.59%	42.52 2	Rabgef1
66409	1839	253	96.36%	38.634 43	257	97.28%	39.28 923	Rsl1d1
269113	2332	253	81.30%	30.466 86	271	83.02%	32.67 103	Nup54
68480	804	253	97.01%	88.369 05	365	97.14%	127.6 318	1110007 C09Rik
65964	6704	253	63.65%	10.597 96	173	48.24%	7.254 947	B230120 H23Rik
69860	2469	253	83.60%	28.776 31	269	87.89%	30.63 045	Eif1ad

108160	1383	253	95.37%	51.372 9	290	96.75%	58.95 192	Fam50a
103806	5573	253	77.95%	12.748 74	222	69.60%	11.19 918	Mam11
70508	8742	253	70.04%	8.1272 84	160	52.56%	5.145 544	Bbx
20869	1643	253	96.10%	43.243 28	207	97.50%	35.42 052	Stk11
gi 70887768 ref N M_013827.2	4060	253	83.99%	17.499 68	247	79.85%	17.10 382	-
gi 124486800 ref N M_001081308.1	3050	253	92.89%	23.294 66	223	91.90%	20.55 546	-
66674	1690	253	85.03%	42.040 66	271	84.79%	45.08 216	Spryd7
106957	3905	253	80.10%	18.194 29	235	80.33%	16.91 878	Slc39a6
106894	5211	252	77.87%	13.580 48	246	72.08%	13.27 199	Hmgxb3
72935	2213	252	90.33%	31.978 26	250	86.22%	31.76 002	Ddx41
17356	7401	252	71.41%	9.5619 36	220	67.94%	8.357 077	Mllt4
66625	4545	252	71.77%	15.570 49	223	73.55%	13.79 409	Sfrs18
gi 165932359 ref N M_009263.2	1410	252	95.39%	50.189 99	164	94.61%	32.69 993	-
216558	3097	252	75.33%	22.850 47	246	70.20%	22.33 14	Ugp2
74006	4078	252	80.41%	17.353 58	184	71.31%	12.68 507	Dnm11
331623	6049	252	76.19%	11.699 11	247	65.18%	11.47 983	Bend3
16565	9119	252	64.38%	7.7604 88	92	34.77%	2.836 369	Kif21b
gi 31341373 ref N M_177619.2	3262	252	89.24%	21.694 63	205	87.16%	17.66 819	-
72124	3542	252	83.91%	19.979 64	210	83.94%	16.66 836	Seh11
19645	4642	252	76.97%	15.245 13	175	67.90%	10.59 876	Rb1
226977	2077	252	99.47%	34.072 17	206	97.64%	27.88 386	Actr1b
16001	11978	252	58.31%	5.9081 56	224	55.04%	5.257 579	Igf1r

20650	4423	252	58.17%	15.999 98	225	55.21%	14.30 17	Sntb2
16561	10118	252	53.43%	6.9942 57	204	40.02%	5.668 362	Kif1b
20195	504	252	59.13%	140.41 25	302	58.93%	168.4 607	S100a11
101118	4548	251	75.57%	15.498 48	199	69.35%	12.30 141	Tmem16 8
13423	1643	251	91.30%	42.901 44	242	92.33%	41.40 949	Dnase2a
22186	524	251	43.32%	134.51 73	254	44.08%	136.2 776	Uba52
67453	4371	251	66.87%	16.126 07	152	57.86%	9.776 534	Slc25a46
72508	5395	251	80.26%	13.065 26	230	80.39%	11.98 556	Rps6kb1
109331	4312	251	82.91%	16.346 72	226	79.87%	14.73 506	Rnf20
20343	2341	251	80.86%	30.109 81	137	76.16%	16.45 286	Sell
101476	3321	251	90.97%	21.224 65	165	79.67%	13.96 81	Plekha1
52065	6408	250	69.02%	10.956 03	192	58.88%	8.423 66	Mfhas1
21844	7312	250	75.26%	9.6015 1	233	65.92%	8.958 635	Tiam1
26443	997	250	95.89%	70.417 49	280	97.29%	78.95 597	Psma6
116873	4930	250	61.85%	14.240 62	221	59.13%	12.60 281	Stim2
13723	2622	250	79.48%	26.775 84	123	69.37%	13.18 847	Emb
12452	2510	250	89.24%	27.970 61	317	94.42%	35.50 648	Ccng2
217835	3880	250	78.89%	18.094 39	119	67.16%	8.622 582	Rin3
170736	3705	250	74.63%	18.949 05	400	73.23%	30.35 246	Parvb
56190	1787	250	92.28%	39.287 21	250	93.84%	39.33 123	Rbm38
226412	4812	249	78.68%	14.531 47	183	73.17%	10.69 172	R3hdm1
71279	5240	249	69.71%	13.344 54	174	61.11%	9.335 554	Slc29a3

13486	3080	249	80%	22.703 06	242	84.09%	22.08 954	Dr1
63958	5535	249	69.14%	12.633 32	178	61.92%	9.041 167	Ube4b
17381	3607	249	46.88%	19.386 03	159	41.64%	12.39 29	Mmp12
215632	4700	249	89.60%	14.877 75	161	68.45%	9.630 529	Psd4
56454	3544	248	84.37%	19.651 41	201	83.83%	15.94 5	Aldh18a 1
gi 153792092 ref N M_172421.3	8862	248	64.44%	7.8587 89	120	40.65%	3.806 901	-
20222	1674	248	96.30%	41.603 7	255	99.40%	42.82 593	Sf3a2
18015	11847	248	55.33%	5.8786 69	196	42.88%	4.651 251	Nf1
gi 118130154 ref N M_145528.2	3544	248	81.46%	19.651 41	215	84.17%	17.05 559	-
60532	4967	248	35.88%	14.021 46	223	22.21%	12.62 213	Wtap
gi 149270711 ref X M_001479552.1	4703	248	34.06%	14.808 55	275	30.28%	16.43 917	-
54126	4946	248	38.27%	14.080 99	209	30.33%	11.87 994	Arhgef7
71927	3355	247	86.05%	20.674 74	253	81.61%	21.20 07	Itfg1
236920	4983	247	80.11%	13.920 08	202	71.30%	11.39 679	Stard8
225372	2077	247	92.49%	33.396 13	232	87.10%	31.40 318	Appb3
229317	2322	247	83.68%	29.872 42	238	81.48%	28.81 621	Eif2a
67134	1904	247	65.07%	36.430 55	229	63.34%	33.81 354	Nop56
235661	2046	247	97.31%	33.902 13	227	94.72%	31.19 194	Dync1li1
14773	3182	246	76.24%	21.710 54	215	72.72%	18.99 592	Grk5
100201	4681	246	75.41%	14.758 16	185	66.97%	11.11 105	Tmem64
106039	3034	246	86.35%	22.769 59	201	83.65%	18.62 527	Gga1
69368	4566	246	81.08%	15.129 86	239	81.27%	14.71 581	Wdfy1

30050	2905	246	84.65%	23.780 7	236	70.53%	22.83 957	Fbxw2
18641	3741	246	68.94%	18.466 44	313	73.38%	23.52 224	Pfkl
51788	957	246	29.57%	72.186 98	217	29.99%	63.74 849	H2afz
269523	3315	246	33.33%	20.839 5	226	32.37%	19.16 669	Vcp
11797	3155	246	94.48%	21.896 34	173	83.17%	15.41 59	Birc2
103573	5144	246	72.69%	13.429 81	164	61.43%	8.963 24	Xpo1
74148	5399	246	80.13%	12.795 51	176	71.24%	9.164 768	1300001 I01Rik
217304	2880	245	91.35%	23.889 62	222	92.78%	21.67 118	Cd300lb
14081	3891	245	83.91%	17.682 37	172	73.53%	12.42 766	Acs11
74320	6206	245	72.70%	11.086 39	177	54.24%	8.018 324	Wdr33
227731	3581	245	74.39%	19.213 1	212	73.92%	16.64 384	Slc25a25
gi 118130657 ref N M_019713.3	1651	245	95.82%	41.673	272	92.55%	46.31 738	-
74150	2597	245	84.87%	26.492 92	216	76.82%	23.38 32	Slc35f5
243374	3656	245	84.22%	18.818 96	130	68.65%	9.996 76	Gimap8
245688	2272	245	76.14%	30.282 62	214	73.77%	26.48 058	Rbbp7
217463	6239	245	78.38%	11.027 75	184	69.72%	8.291 344	Snx13
59042	1043	244	96.74%	65.696 35	265	96.07%	71.43 05	Cope
76559	10173	244	57.88%	6.7356 03	138	39.69%	3.813 749	Atg2b
99382	4595	244	84.79%	14.912 14	274	77.58%	16.76 437	Abtb2
66626	3898	244	75.91%	17.578 58	169	72.68%	12.18 897	5730403 B10Rik
213541	4078	244	72.46%	16.802 67	167	65.62%	11.51 308	Ythdf2
217732	4268	244	79.10%	16.054 66	158	68.21%	10.40 77	2310044 G17Rik

23857	3755	243	83.01%	18.173 23	161	69.69%	12.05 419	Dmtf1
383619	2541	243	78.98%	26.855 75	235	79.18%	26.00 072	Aim2
70028	7331	243	67.77%	9.3084 8	178	56.09%	6.826 198	Dopey2
74585	2817	243	85.73%	24.224 52	227	81.97%	22.65 485	Sppl3
277414	2687	243	94.31%	25.396 53	138	89.80%	14.43 888	Trp53i11
14479	3215	243	91.66%	21.225 65	245	86.10%	21.42 433	Usp15
14102	1486	243	89.10%	45.922 25	340	95.22%	64.32 536	Fas
15442	3082	243	96.04%	22.141 62	231	92.50%	21.07 179	Hpse
231769	3319	243	89.36%	20.560 55	213	88.46%	18.04 241	Sfswap
330401	5719	243	78.27%	11.932 24	161	65.83%	7.914 58	Tmcc1
19182	1651	243	90.31%	41.332 81	255	93.76%	43.42 254	Psmc3
13476	2910	242	90.55%	23.353 83	223	90.31%	21.54 438	Reep5
20193	615	242	95.45%	110.50 35	335	95.45%	153.1 411	S100a1
68137	1525	242	95.34%	44.563 7	278	97.97%	51.25 038	Kdelr1
20817	6436	242	64.81%	10.559 3	201	61.20%	8.780 154	Srpk2
19175	1036	242	79.54%	65.598 11	244	82.82%	66.21 436	Psmb6
gi 6755966 ref NM_011696.1	1345	242	83.64%	50.527 61	250	82.16%	52.25 644	-
70797	6610	242	71.89%	10.281 34	136	58.44%	5.784 417	Ankib1
22099	3040	242	92.50%	22.355 15	190	85%	17.57 123	Tsn
56615	943	242	95.76%	72.067 49	335	96.29%	99.87 464	Mgst1
52898	622	241	97.27%	108.80 84	272	95.98%	122.9 421	Rnasek
101489	2967	241	82.44%	22.810 52	167	69.36%	15.82 417	Ric8

68152	2304	241	84.03%	29.374 49	261	87.54%	31.84 785	Fam133b
17978	8213	241	67.47%	8.2404 5	184	57.62%	6.298 514	Ncoa2
70999	3275	241	87.08%	20.665 29	187	82.17%	16.05 286	Naa40
16170	4989	241	54.08%	13.565 61	101	44.98%	5.691 543	Il16
217695	3869	241	89.84%	17.492 59	134	70.87%	9.737 068	Zfyve1
225049	4615	241	78.87%	14.664 97	133	65.16%	8.102 183	Ttc7
170756	2893	241	92.84%	23.393 99	254	94.09%	24.68 354	Slc24a6
26908	1801	241	95.89%	37.578 47	204	92.39%	31.84 48	Eif2s3y
67956	2738	241	91.64%	24.718 34	205	86.56%	21.04 954	Setd8
74256	8234	241	54.89%	8.2194 34	146	41.30%	4.984 988	Cyld
212772	3309	241	88.64%	20.452 95	187	84.74%	15.88 792	Arl14ep
78752	3676	240	87.08%	18.334 6	192	76.55%	14.68 412	Csgalnac t2
16202	1797	240	85.48%	37.505 84	255	84.92%	39.89 461	Ilk
231876	8114	240	64.48%	8.3063 83	155	47.63%	5.370 551	Lmtk2
15929	1335	240	96.55%	50.485 39	238	96.93%	50.12 078	Idh3g
gi 241982772 refl N M_183390.2	2405	240	97.09%	28.024 11	215	90.81%	25.13 307	-
66899	3082	240	82.06%	21.868 26	188	78.33%	17.14 934	Fip111
18626	4663	240	80.63%	14.453 78	140	71.63%	8.440 822	Per1
15357	4444	240	84.14%	15.166 06	199	77.81%	12.58 929	Hmgcr
109689	7112	239	66.84%	9.4371 72	239	62.42%	9.447 747	Arrb1
193385	5615	239	69.56%	11.953 19	102	46.95%	5.107 078	Fam65b
217337	2546	239	85.47%	26.361 81	190	88.53%	20.98 057	Srp68

12675	3500	239	87.94%	19.176 33	178	77.71%	14.29 796	Chuk
18949	3469	239	78.09%	19.347 7	166	81.35%	13.45 321	Pnn
67452	4425	239	72.66%	15.167 72	198	61.88%	12.57 981	Pnpla8
105203	8356	238	64.61%	7.9986 05	146	48.25%	4.912 206	BC0164 23
69082	1963	238	77.79%	34.048 06	263	80.54%	37.66 67	Zc3h15
18555	3042	238	81.43%	21.971 18	197	81.43%	18.20 661	Cdk16
66146	3842	238	79.70%	17.396 24	227	78.29%	16.61 08	Tmem57
64213	2260	238	91.55%	29.573 6	173	86.68%	21.52 087	St7
104248	7483	238	68.60%	8.9317 57	151	52.55%	5.673 138	Cabin1
20588	5684	238	77.85%	11.758 68	136	61.93%	6.726 776	Smarcc1
12177	3237	238	59.72%	20.647 62	264	60.49%	22.92 891	Bnip3l
17190	2672	238	92.89%	25.013 6	235	90.38%	24.72 598	Mbd1
213895	4305	238	80.23%	15.525 28	163	68.29%	10.64 478	Bms1
18484	4149	238	84.62%	16.109 02	176	66.98%	11.92 591	Pam
107305	2415	238	92.34%	27.675 5	268	96.98%	31.19 894	Vps37c
68953	927	238	93.10%	72.099 61	240	96.22%	72.78 697	Chmp2a
231329	3812	238	87.64%	17.533 14	159	76.21%	11.72 644	Polr2b
50932	4994	238	79.76%	13.383 33	158	63.72%	8.894 687	Mink1
232286	6781	238	58.68%	9.8564 14	196	53.89%	8.126 143	Tmf1
17248	3490	238	81.83%	19.150 81	97	67.68%	7.813 91	Mdm4
17425	7462	238	67.21%	8.9568 94	127	51.37%	4.784 875	Foxk1
20492	1641	238	95.73%	40.729 03	233	95.98%	39.91 806	Slbp

56258	2364	238	64.68%	28.272 56	226	63.03%	26.87 714	Hnrnp2
329559	4610	237	81.82%	14.437 21	171	71.63%	10.42 839	Zfp335
72736	2418	237	88.75%	27.525 03	267	92.27%	31.04 396	Tmx1
18983	2982	237	74.45%	22.319 09	225	64.96%	21.21 275	Cnot7
67511	1463	237	95.97%	45.492 49	255	92.89%	49.00 247	Tmed9
319594	6190	237	78.29%	10.752 1	146	59.40%	6.631 081	Hif1an
11906	16439	237	43.09%	4.0486 35	346	47.45%	5.917 29	Zfhx3
66743	2910	237	53.68%	22.871 31	167	52.44%	16.13 413	Rnf220
621976	7170	237	68.47%	9.2824 99	198	53.70%	7.763 689	Tmem17 0b
219105	5351	237	68.98%	12.437 96	183	68.38%	9.614 756	Zmym5
22320	786	237	82.95%	84.676 23	237	81.42%	84.77 112	Vamp8
213783	7356	237	72.39%	9.0477 86	180	59.49%	6.879 437	Plekhg1
319997	1936	237	87.29%	34.377 85	164	80.48%	23.81 555	A630001 G21Rik
434215	3817	237	90.20%	17.436 6	173	75.19%	12.74 225	Lrrc32
226594	2670	236	94.01%	24.821 98	136	83.97%	14.32 022	Rcsd1
22123	2167	236	94.83%	30.583 61	247	89.80%	32.04 499	Psm3
98432	6123	236	69.52%	10.823 89	154	53.13%	7.070 963	Phlpp1
12361	8260	236	56.53%	8.0235 7	250	55.97%	8.509 07	Cask
329002	9473	236	62.60%	6.9961 67	164	49.32%	4.867 191	Zfp236
234663	4647	236	81.79%	14.261 82	184	72.69%	11.13 185	Dync1li2
241915	11066	236	57.25%	5.9890 38	116	35.35%	2.947 063	Phc3
207806	12622	236	54.90%	5.2507 28	102	30.11%	2.271 926	Gm608

20815	2484	236	95.65%	26.680 63	157	85.71%	17.76 929	Srpk1
gi 37595741 ref NM_029498.2	4661	236	81.53%	14.218 99	152	64.90%	9.168 253	-
216131	5048	235	35.72%	13.073 27	252	35.66%	14.03 471	Trappc1 0
gi 118130840 ref NM_013664.2	2014	235	95.08%	32.767 56	243	93.94%	33.92 102	-
237615	6615	235	68.66%	9.9763 97	138	50.07%	5.865 045	Ankrd52
14862	1310	235	79.39%	50.377	273	71.76%	58.58 865	Gstm1
53602	1561	235	90.58%	42.276 66	297	96.28%	53.49 038	Hpcal1
209456	4377	235	81.49%	15.077 42	185	72.08%	11.88 276	Trp53bp 2
gi 91064877 ref NM_027230.3	5271	235	83%	12.520 18	166	69.59%	8.853 953	-
14270	8040	235	58.48%	8.2081 92	259	64.89%	9.056 613	Srgap2
19185	1252	235	99.12%	52.710 76	239	99.04%	53.66 803	Psmc4
57808	549	235	26.59%	120.20 74	272	17.67%	139.2 896	Rpl35a
327978	5989	235	73.89%	11.019 18	311	79.33%	14.59 917	Slfn5
52335	7526	234	66.13%	8.7314 7	149	54.17%	5.566 012	Atn1
71793	3014	234	73.79%	21.802 6	175	70.40%	16.32 364	Ints12
68592	1276	234	93.34%	51.499 25	218	87.62%	48.03 17	Syf2
104681	4217	234	73.80%	15.582 89	147	69.36%	9.800 221	Slc16a6
11767	1964	234	94.60%	33.458 78	197	95.57%	28.19 985	Ap1m1
11350	7008	234	66.95%	9.3768 61	194	58.36%	7.782 69	Abl1
67397	1258	234	90.54%	52.236 12	204	89.67%	45.59 022	Erp29
99412	4477	234	82.62%	14.677 92	153	67.63%	9.607 855	Golga2
74351	2814	234	94.56%	23.352 18	169	90.48%	16.88 436	Ddx23

72198	3309	234	88.61%	19.858 88	210	83.20%	17.84 205	Skiv2l2
26396	2387	234	82.20%	27.529 55	244	82.66%	28.73 82	Map2k2
217351	8740	234	61.48%	7.5186 55	209	59.15%	6.722 905	Tnrc6c
gi 257743032 ref NM_001033276.2	19805	233	12.65%	3.3038 23	171	10.15%	2.427 411	-
67128	3837	233	82.41%	17.052 96	196	69.69%	14.36 106	Ube2g1
76742	6259	233	66.80%	10.454 1	172	57.52%	7.725 838	Snx27
19056	3881	233	74.49%	16.859 63	200	77.25%	14.48 8	Ppp3cb
69612	2110	233	83.08%	31.010 53	154	79.48%	20.51 92	Kansl2
104416	3406	233	88.76%	19.210 87	175	85.94%	14.44 493	Bap1
215476	10546	233	53.84%	6.2044 58	129	34.72%	3.438 936	Prl14l
67171	2197	233	83.34%	29.782 53	165	76.88%	21.11 427	Dram2
74255	3273	233	53.35%	19.991 51	209	52.95%	17.95 24	Smu1
19652	2900	232	34.69%	22.466	258	37.31%	25.01 174	Rbm3
217207	4344	232	83.77%	14.998 02	211	81.47%	13.65 572	Dhx8
77038	3409	232	66.56%	19.111 58	169	62.89%	13.93 74	Arfgap2
14747	2845	232	95.82%	22.900 31	208	92.13%	20.55 432	Cmklr1
56217	5529	232	78.46%	11.783 58	244	78.80%	12.40 696	Mpp5
72075	2306	232	89.16%	28.252 99	223	92.71%	27.18 74	Ogfr
55979	2190	232	89%	29.749 49	212	92.15%	27.21 535	Agpat1
231887	2203	232	93.65%	29.573 94	229	89.33%	29.22 423	Pdap1
26440	1255	232	88.21%	51.913 46	216	90.28%	48.38 738	Psmal1
99480	2427	232	91.22%	26.844 41	240	91.14%	27.80 12	Dnttip2

17127	5090	232	76.70%	12.799 88	191	72.22%	10.54 964	Smad3
21771	2255	232	86.25%	28.891 97	245	91.93%	30.54 511	Cirh1a
210126	15669	232	41.38%	4.1579 8	206	35.76%	3.696 137	Lpp
20439	2488	232	80.99%	26.186 25	309	81.63%	34.91 646	Siah2
229504	2893	232	92.08%	22.520 36	211	87.14%	20.50 483	Isg2012
224640	2603	231	76.91%	24.921 46	203	74.76%	21.92 522	Lemd2
228061	7375	231	61.60%	8.7960 09	173	49.42%	6.594 869	Agps
gi 133892389 ref NM_009195.2	3747	231	90.10%	17.312 67	190	82.57%	14.25 581	-
76900	1498	231	91.52%	43.304 78	223	93.19%	41.85 19	Ssbp4
140630	6067	231	76.13%	10.692 36	165	62.63%	7.645 961	Ube4a
17921	7361	231	57.23%	8.8127 38	221	50.75%	8.440 683	Myo7a
20663	5612	231	67%	11.559 26	217	69.42%	10.87 087	Sos2
216877	5179	231	76.42%	12.525 69	166	66.75%	9.011 235	Dhx33
321019	2942	230	86.54%	21.954 36	135	75.32%	12.90 07	Gpr183
387524	2610	230	74.94%	24.747 03	163	64.83%	17.55 776	Znrf2
67276	5067	230	69.78%	12.747 14	193	72.03%	10.70 85	Eri1
233532	11129	230	50.56%	5.8037 33	168	37.48%	4.243 999	Rsf1
110616	5376	230	79.50%	12.014 46	175	73.94%	9.151 682	Atxn3
19062	2660	230	94.29%	24.281 86	258	94.29%	27.26 843	Inpp5k
30955	6811	230	67.85%	9.4831 51	151	61.84%	6.232 872	Pik3cg
266781	1941	230	93.30%	33.276 53	206	95.72%	29.83 759	Snx17
192119	9851	230	59.75%	6.5566 69	129	40.57%	3.681 557	Dicer1

gi 170172549 ref N M_026435.4	3034	230	69.15%	21.288 64	225	73.47%	20.84 918	-
22288	12382	230	50.85%	5.2164 22	164	35.13%	3.723 704	Utrn
66087	1958	230	94.48%	32.987 61	231	98.57%	33.16 816	Emc3
234595	3282	230	66%	19.679 99	191	61.97%	16.36 127	Slc38a7
225471	3264	230	89.58%	19.788 52	183	83.58%	15.76 243	Ticam2
64898	5775	230	78.84%	11.184 37	225	75.29%	10.95 349	Lpin2
66894	4319	230	81.66%	14.954 79	196	79.32%	12.75 836	Wwp2
67120	11072	229	49.04%	5.8082 48	159	33.84%	4.037 32	Ttc14
72981	3478	229	86.37%	18.490 2	160	78.46%	12.93 339	Prkrir
17344	4984	229	68.26%	12.903 07	214	71.89%	12.07 141	Pias2
627049	3895	229	71.55%	16.510 63	254	79.10%	18.33 363	Zfp800
66500	9020	229	34.47%	7.1295 92	256	35.94%	7.979 13	Slc30a7
18044	3728	229	83.18%	17.250 25	192	79.94%	14.47 93	Nfya
19305	3148	229	84.94%	20.428 5	211	86.63%	18.84 386	Pex5
71801	2956	229	90.97%	21.755 38	202	86.13%	19.21 184	Plekhf2
74142	2970	229	92.15%	21.652 83	201	86.40%	19.02 662	Lonp1
gi 98986315 ref N M_026582.3	2722	229	88.91%	23.625 61	184	88.61%	19.00 43	-
69077	1743	229	83.19%	36.895 53	192	76.65%	30.96 891	Psm11
231225	3508	229	82.70%	18.332 07	178	80.76%	14.26 535	Tapt1
76117	2663	229	89.75%	24.149 05	212	90.95%	22.38 138	Arhgap1 5
19387	3002	228	92.47%	21.328 48	183	82.41%	17.13 809	Rangap1
67145	2301	228	85.22%	27.826 2	162	73.32%	19.79 341	Tomm34

228869	3151	228	86.61%	20.319 93	175	83.37%	15.61 391	Ncoa5
gi 133892263 ref NM_171826.2	1999	228	89.44%	32.030 06	207	91.15%	29.11 251	-
14710	586	228	84.47%	109.26 3	281	93.86%	134.8 127	Gngt2
22215	5097	228	76.81%	12.561 92	175	63.63%	9.652 627	Ube3a
1E+08	1408	227	87.14%	45.275 05	318	89.28%	63.49 603	Alf66227 0
19181	1782	227	78.45%	35.772 88	200	78.45%	31.55 327	Psmc2
209416	3591	227	87.69%	17.751 95	213	78.31%	16.67 579	Gpkow
56208	2031	227	65.34%	31.387 13	167	63.07%	23.11 685	Becn1
gi 229608917 ref NM_181405.3	2712	227	89.82%	23.505 63	140	79.24%	14.51 311	-
72972	7500	227	67.52%	8.4996 36	128	50.47%	4.798 117	Gcap14
233905	6327	227	68.18%	10.075 43	113	46.28%	5.021 145	Zfp646
54484	2936	227	93.63%	21.712 28	174	88.73%	16.66 155	Mkm1
74116	2245	227	91.67%	28.395 22	298	97.02%	37.31 832	Pi16
19946	599	226	36.23%	105.95 4	262	38.23%	122.9 693	Rpl30
66144	635	226	91.81%	99.947 15	274	91.18%	121.3 107	Atp6v1f
68544	934	226	92.29%	67.951 22	254	91.22%	76.45 554	2310036 O22Rik
69189	1132	226	93.99%	56.065 76	361	99.38%	89.65 673	1810033 B17Rik
12858	707	226	92.64%	89.768 66	219	89.25%	87.08 569	Cox5a
12018	2017	225	93.16%	31.326 53	168	92.36%	23.41 669	Bak1
18739	4508	225	79.72%	14.016 33	207	71.58%	12.90 947	Pitpnm1
13006	4851	225	77.39%	13.025 28	191	74.83%	11.06 94	Smc3
74277	1115	225	79.91%	56.668 71	353	85.56%	89.00 655	Chic2

71780	1850	225	96.27%	34.154 39	268	96.81%	40.72 726	Isynal
216345	6956	225	67.19%	9.0836 14	175	58.73%	7.072 95	Zfc3h1
226646	1606	225	98.57%	39.343 47	222	98.07%	38.86 239	Ndufs2
231712	2498	225	87.15%	25.294 48	192	89.07%	21.60 881	Traf1
56738	2655	225	90.70%	23.798 73	191	84.97%	20.22 511	Mocs1
66185	7115	225	69.28%	8.8806 21	141	52.59%	5.571 425	1110037 F02Rik
28185	3778	225	82.27%	16.724 62	198	80.33%	14.73 416	Tom70 a
12353	1380	225	87.17%	45.786 68	128	87.32%	26.07 672	Car6
268996	3110	225	71.13%	20.316 92	230	72.93%	20.79 168	Ss18
16391	2545	225	85.93%	24.827 35	224	89.27%	24.74 471	Irf9
18574	2986	224	90.56%	21.066 57	207	86.84%	19.48 959	Pdelb
242960	2855	224	88.83%	22.033 2	190	87.43%	18.70 982	Fbx15
215615	2301	224	88.61%	27.338 02	287	93.74%	35.06 609	Rnpep
212999	4884	224	77.93%	12.879 77	150	64.93%	8.634 51	Tnpo2
67089	1564	224	96.23%	40.220 46	259	94.25%	46.55 702	Psmc6
gi 160333862 ref N M_011597.3	4557	224	81.11%	13.803 99	278	84%	17.15 094	-
237459	3643	224	81%	17.267 3	240	80.65%	18.52 142	Cdk17
53860	3796	224	70.42%	16.571 34	154	63.65%	11.40 556	9-Sep
327826	5701	224	73.16%	11.033 99	163	61.76%	8.038 198	Frs2
26377	3088	223	92.88%	20.279 78	182	87.66%	16.56 976	Dapp1
24045	1482	223	96.90%	42.256 39	189	93.79%	35.85 384	Scamp3
75605	6300	223	75.11%	9.9403 12	183	62.41%	8.166 438	Kdm5b

276950	4011	223	63.67%	15.613 06	266	63.70%	18.64 452	Slfn8
78808	9074	223	54.32%	6.9014 73	162	45.81%	5.019 245	Stxbp5
22670	3203	223	81.64%	19.551 66	148	75.99%	12.99 053	Trim26
207615	4626	223	74.51%	13.537 39	186	66.90%	11.30 393	Wdr37
54153	2911	223	89.42%	21.512 87	180	85.33%	17.38 411	Rasa4
22289	5309	223	80.30%	11.795 81	136	58.15%	7.201 92	Kdm6a
320528	11523	223	51.99%	5.4346 93	167	39.09%	4.074 488	Vps13c
217869	3966	223	21.26%	15.790 21	220	20.45%	15.59 524	Eif5
67043	2316	223	88.77%	27.039 71	220	88.21%	26.70 584	Syap1
68188	4121	223	83.09%	15.196 3	193	77.77%	13.16 67	Sympk
75991	4897	223	71.92%	12.788 23	182	70.39%	10.44 873	Slain2
66111	1324	223	94.56%	47.299 07	313	96%	66.46 277	Tmed3
74841	4711	223	67.54%	13.293 14	214	65.63%	12.77 094	Usp38
195018	11150	223	48.17%	5.6164 99	140	35.17%	3.530 005	Zzef1
110796	5814	223	69.04%	10.771 24	187	60.44%	9.042 504	Tshz1
192678	3425	222	87.15%	18.202 38	181	78.86%	14.85 731	Rassf3
74206	7713	222	64.11%	8.0828 66	172	54.03%	6.269 418	Sipa113
1E+08	1874	222	7.95%	33.267 42	195	4.70%	29.25 413	Gm3245
15234	2755	222	94.08%	22.629 09	110	78.19%	11.22 518	Hgf
56310	1220	222	95.98%	51.100 94	235	95.25%	54.15 395	Gps2
338467	4237	222	79.63%	14.713 98	159	74.13%	10.55 02	Morc3
13139	2842	222	86.56%	21.936 36	161	77.94%	15.92 663	Dgka

81489	2284	222	90.46%	27.295 6	246	85.77%	30.28 037	Dnajb1
71834	5090	222	83.69%	12.248 16	195	77.25%	10.77 058	Zbtb43
57354	7534	221	63.39%	8.2376 32	146	51.10%	5.448 154	Cramp11
66580	3392	221	82.93%	18.296 67	230	90.24%	19.06 313	Esf1
gi 118129893 ref N M_173028.3	9850	221	56.89%	6.3007 43	118	39.16%	3.367 968	-
170718	1520	221	92.50%	40.830 47	226	95.59%	41.80 103	Idh3b
67064	2529	221	90%	24.540 26	151	85.96%	16.78 612	Chmp1b
26896	6861	221	68.52%	9.0456 66	144	56.62%	5.900 614	Med14
114601	6411	221	71.44%	9.6805 98	130	58.26%	5.700 851	Ehbp111
20416	3569	221	68.76%	17.389 27	170	62.34%	13.39 135	Shc1
52163	1434	220	93.86%	43.083 33	254	95.40%	49.79 74	Camk1
15505	3478	220	81.40%	17.763 51	190	79.24%	15.35 841	Hsph1
230709	3430	220	86.44%	18.012 1	204	80.58%	16.72 084	Zmpste2 4
71302	7899	220	67.44%	7.8214 32	172	60.83%	6.121 79	Arhgap2 6
66881	4291	220	74.30%	14.397 92	188	70.47%	12.31 747	Pcyox1
14744	2035	220	97.54%	30.359 46	271	98.82%	37.43 924	Gpr65
gi 118131159 ref N M_007489.3	2904	220	89.50%	21.274 62	133	82.68%	12.87 589	-
68036	4485	220	50.39%	13.775 14	196	53.44%	12.28 615	Zfp706
64930	7697	220	72.17%	8.0266 98	147	50.71%	5.369 304	Tsc1
11671	3131	220	87.42%	19.732 19	182	87.45%	16.34 22	Aldh3a2
26920	7612	220	62.65%	8.1163 28	151	52.50%	5.576 995	Cep110
74355	7053	220	66.79%	8.7596 05	147	52.22%	5.859 568	Smchd1

77644	3340	219	78.32%	18.413 37	199	81.77%	16.75 054	C330007 P06Rik
70248	2096	219	86.98%	29.341 92	207	82.06%	27.76 522	Dazap1
231207	6823	219	62.61%	9.0137 28	198	55.91%	8.158 53	Cpeb2
68750	9714	219	53.35%	6.3311 37	148	42.73%	4.283 371	Rreb1
268420	6025	219	31.67%	10.207 58	314	29.28%	14.65 193	Alkbh5
27008	6708	219	66.98%	9.1682 57	103	39.88%	4.316 843	Micall1
24071	10398	219	43.75%	5.9146 63	187	34.59%	5.056 08	Synj2bp
gi 288541334 ref N M_175465.5	3233	219	74.05%	19.022 79	216	72.78%	18.78 323	-
67155	5831	219	75.42%	10.547 19	147	55.75%	7.087 554	Smarca2
228355	6151	219	73.14%	9.9984 83	136	54.79%	6.216 061	Madd
52432	2079	219	83.36%	29.581 85	254	87.69%	34.34 799	Ppp2r2d
66576	562	218	95.55%	108.93 21	250	92.53%	125.0 621	Uqcrh
gi 218931233 ref N M_001127189.2	2727	218	73.27%	22.449 52	146	67.73%	15.05 185	-
gi 148491085 ref N M_198017.2	2908	218	94.43%	21.052 22	142	84.77%	13.72 828	-
22634	5279	218	75.11%	11.596 86	203	56.92%	10.81 102	Plag1
gi 171184397 ref N M_016722.3	2447	218	93.09%	25.018 33	205	91.42%	23.55 277	-
18777	2447	218	83.65%	25.018 33	171	78.79%	19.64 646	Lypla1
233979	2909	218	84.46%	21.044 98	176	78.07%	17.00 948	Tpcn2
80294	2219	218	94.19%	27.588 93	261	94.73%	33.06 78	Pofut2
27215	3464	218	81.09%	17.673 16	182	74.60%	14.77 119	Azi2
70466	3154	218	88.14%	19.410 22	487	91.12%	43.40 996	Ckap2l
20322	2259	218	92.74%	27.100 42	231	93.09%	28.74 868	Sord

58799	4054	217	77.80%	15.031 82	145	68.57%	10.05 556	Crbn
320365	10753	217	50.77%	5.6671 64	229	51.20%	5.987 258	Fry
53356	1068	217	96.91%	57.059	216	99.25%	56.85 971	Eif3g
230700	4823	217	76.47%	12.635 09	197	77.07%	11.48 342	Foxj3
16180	4576	217	78.76%	13.317 09	176	68.03%	10.81 306	Il1rap
gi 119709816 ref N M_010898.3	4708	217	80.82%	12.943 72	165	65.97%	9.853 026	-
13205	4571	217	11.29%	13.331 66	133	11.31%	8.180 174	Ddx3x
19253	1587	217	70.26%	38.398 88	243	84.44%	43.04 785	Ptpn18
12370	2585	217	78.18%	23.574 09	175	79.23%	19.03 267	Casp8
320595	6359	217	65.67%	9.5831 13	140	55.56%	6.189 582	Phf8
67556	7569	217	68.25%	8.0511 32	156	55.45%	5.794 397	Pigm
216760	4864	217	74.75%	12.528 58	132	65.69%	7.629 613	Mfap3
382034	6716	217	64.52%	9.0737 07	182	55%	7.618 734	Gse1
23996	1436	217	95.68%	42.436 64	234	94.71%	45.81 245	Psmc4
75617	701	217	13.55%	86.931 55	207	13.41%	83.01 842	Rps25
114713	5699	216	79.63%	10.643 66	200	71.43%	9.866 28	Rasa2
gi 31543029 ref N M_010598.2	3571	216	86.39%	16.986 33	220	79.73%	17.32 028	-
320534	4583	216	83.46%	13.235 48	127	66.22%	7.790 691	Tmem10 4
12306	1374	216	40.54%	44.147 16	212	40.61%	43.37 817	Anxa2
20128	3771	216	82.68%	16.085 44	198	77.54%	14.76 151	Trim30a
24014	4758	216	71.21%	12.748 67	183	67.32%	10.81 306	Rnasel
67458	2734	216	88.66%	22.186 61	198	86.36%	20.36 052	Ergic1

75717	6023	216	74.41%	10.071 09	166	64.95%	7.748 495	Cul5
224897	3509	215	88.40%	17.206 43	210	85.78%	16.82 512	Dpp9
gi 142376452 ref NM_026400.4	2513	215	49.62%	24.026 01	149	47.15%	16.66 924	-
231861	10266	215	54.67%	5.8812 94	130	35.01%	3.560 117	Tnrc18
12660	3644	215	46.05%	16.568 98	278	45.94%	21.44 809	Chka
214812	8602	215	64.50%	7.0189 92	186	57.84%	6.079 049	Zfp609
19245	3808	215	45.46%	15.855 4	124	43.70%	9.154 758	Ptp4a3
213753	3323	215	85.31%	18.169 54	147	76.08%	12.43 681	Zfp598
50766	5995	215	66.69%	10.071 29	190	62.05%	8.910 181	Crim1
320951	2150	214	76.47%	27.951 88	215	70.93%	28.11 397	Pisd
66694	1313	214	84.31%	45.770 41	224	85.22%	47.96 29	Uqcrfs1
51886	6491	214	62.22%	9.2584 41	203	59.39%	8.792 382	Fubp1
219024	2753	214	67.53%	21.829 47	193	64.91%	19.70 939	Tmem55 b
67439	2654	214	93.03%	22.643 76	175	89.75%	18.53 785	Xab2
56693	1714	214	85.65%	35.062 16	242	83.49%	39.69 416	Crtap
209630	6780	214	61.87%	8.8637 97	116	44.04%	4.810 059	Frmf4a
56551	1282	214	98.28%	46.877 18	203	95.63%	44.51 743	Txn2
gi 117676380 ref NM_027933.2	2479	214	84.43%	24.242 25	189	88.58%	21.43 421	-
271377	4999	213	70.23%	11.965 54	158	63.31%	8.885 79	Zbtb11
67480	3326	213	87.97%	17.984 28	246	92.36%	20.79 385	Cwc25
217430	1928	213	91.55%	31.024 75	203	92.01%	29.60 132	Pqlc3
72504	5149	213	68.15%	11.616 96	276	65.51%	15.06 983	Taf4b

gi 40789238 ref N M_027922.1	5241	213	78.95%	11.413 04	125	58.27%	6.705 296	-
219140	7533	213	54.44%	7.9404 91	203	51.06%	7.576 178	Spata13
108143	1248	213	51.60%	47.929 26	230	50.32%	51.81 26	Taf9
330662	6815	212	70.58%	8.7358 61	236	70.49%	9.735 724	Dock1
276846	2505	212	89.06%	23.766 42	208	90.70%	23.34 413	Pigs
76895	6351	212	55.41%	9.3740 97	169	45.17%	7.481 122	Bicd2
69048	3193	212	84.25%	18.645 44	155	75.82%	13.64 756	Slc30a5
229004	4050	212	81.51%	14.699 97	171	76.37%	11.87 034	Gmeb2
94232	3372	212	90.07%	17.655 66	169	81.35%	14.09 033	Ubqln4
54354	3421	212	71.56%	17.402 77	139	69.16%	11.42 31	Rassf5
66913	1870	212	87.54%	31.836 84	235	95.61%	35.33 039	Kdelr2
101497	5070	212	74.24%	11.742 58	196	68.72%	10.86 852	Plekhg2
67023	1087	212	81.32%	54.769 91	203	80.40%	52.50 354	Use1
110749	1913	211	90.28%	30.974 42	324	94.15%	47.61 592	Chaf1b
192287	3061	211	88.08%	19.357 75	106	68.74%	9.735 643	Slc25a36
13478	1920	211	92.40%	30.861 49	157	85.68%	22.98 902	Dpagt1
19158	2527	211	66.17%	23.448 38	193	57.54%	21.47 208	Cyth2
19944	710	211	40.42%	83.456 43	220	41.83%	87.11 37	Rpl29
16568	5438	211	76.88%	10.896 3	116	55.74%	5.997 095	Kif3a
223827	6534	210	68.41%	9.0255 96	133	52.56%	5.722 616	Gxylt1
27361	904	210	91.70%	65.235 89	261	95.13%	81.16 975	Sepr1
218490	1108	210	30.42%	53.224 95	218	37.36%	55.31 448	Btf3

56353	4376	210	32.36%	13.476 52	199	32.34%	12.78 492	Rybp
66498	2275	210	79.87%	25.922 3	183	80.92%	22.61 475	Dda1
gi 149253724 ref X M_001476916.1	4942	210	49.60%	11.933 07	136	47.77%	7.736 745	-
72029	1898	210	93.15%	31.071 26	174	92.52%	25.77 36	Cnpy3
67484	2689	210	90.52%	21.931 29	193	87.58%	20.17 849	Eepd1
27993	2249	210	87.59%	26.221 98	210	92.22%	26.25 137	Imp4
235441	2201	210	96.73%	26.793 84	148	96.59%	18.90 444	Usp3
14228	2167	210	80.43%	27.214 23	176	77.80%	22.83 368	Fkbp4
234699	4663	210	80.21%	12.647 06	172	71.95%	10.37 015	Edc4
67878	6160	209	59.68%	9.5279 9	169	58.91%	7.713 085	Tmem33
54645	2937	209	88.22%	19.983 8	157	78.72%	15.02 858	Gripap1
27223	7722	209	55.37%	7.6006 76	130	32.32%	4.732 991	Trp53bp 1
212167	3745	209	85.15%	15.672 21	250	87.02%	18.76 767	Pion
67465	4916	209	63.97%	11.939 06	170	67.09%	9.722 079	Sf3a1
633640	1829	209	83.71%	32.089 89	217	86.28%	33.35 555	Gm7120
50995	2524	209	93.62%	23.253 73	190	84.90%	21.16 345	Uba2
59028	1803	209	92.85%	32.552 64	140	89.30%	21.83 003	Rcl1
223701	4366	209	78.08%	13.443 06	109	62.67%	7.018 833	Mkl1
77031	4510	209	81.26%	13.013 84	192	79.27%	11.96 87	Slc9a8
22235	2461	209	81.43%	23.849 01	180	85.82%	20.56 284	Ugdh
226407	4251	208	83.27%	13.740 67	161	76.71%	10.64 773	Rab3gap 1
77264	7472	208	58.98%	7.8173 97	203	59.05%	7.638 029	Zfp142

232314	3641	208	38.07%	16.042 73	211	41.39%	16.29 236	Ppp4r2
gi 118130552 ref N M_019678.2	1849	208	97.46%	31.590 91	206	94.38%	31.32 221	-
69089	2534	208	76.09%	23.051 14	139	77.66%	15.42 163	Oxa11
67118	3010	208	91.43%	19.405 84	222	84.78%	20.73 522	Bfar
54563	7043	208	65%	8.2935 67	106	43.92%	4.231 266	Nup210
gi 61098107 ref N M_021310.2	4573	208	77.50%	12.773 15	107	58.36%	6.578 164	-
218333	7675	208	65.17%	7.6106 31	105	38.33%	3.846 21	BC0185 07
19219	2831	208	90.14%	20.632 85	265	92.69%	26.31 65	Ptger4
56495	1280	208	93.83%	45.634 06	203	90.47%	44.58 699	Asna1
109815	1208	208	88.25%	48.353 97	211	90.48%	49.10 635	H47
14043	2875	208	95.97%	20.317 08	242	94.19%	23.66 463	Ext2
68272	4201	207	78.74%	13.837 36	161	76.24%	10.77 446	Rbm28
72190	5164	207	71.61%	11.256 93	173	63.23%	9.418 505	2510009 E07Rik
209586	3977	207	75.23%	14.616 74	142	69.07%	10.03 818	Nudcd3
57915	5433	207	63.17%	10.699 57	218	61.73%	11.28 077	Tbc1d1
20909	1372	207	92.86%	42.369 36	199	90.09%	40.77 755	Stx4a
73178	4348	207	74.31%	13.369 54	193	73.55%	12.47 929	Wasl
12995	4208	207	43.20%	13.814 35	162	43.23%	10.82 334	Csnk2a1
67418	2910	207	88.42%	19.976 21	189	92.34%	18.25 959	Ppil4
14998	786	207	99.11%	73.957 72	219	98.85%	78.33 281	H2-DMa
14726	1769	206	78.69%	32.702 06	138	76.37%	21.93 175	Pdpm
321006	5392	206	70.36%	10.728 85	161	59.07%	8.394 563	Vprbp

76901	6100	206	74.49%	9.4835 97	134	56.33%	6.175 855	Phf15
22040	1074	206	89.48%	53.864 01	556	92.64%	145.5 434	Trex1
71963	2432	206	82.81%	23.786 98	256	77.51%	29.59 365	Cdca4
66404	2142	206	95%	27.007 44	169	92.72%	22.18 142	2410001 C21Rik
107338	6422	205	69.88%	8.9643 6	155	59.55%	6.785 526	Gbf1
67841	2013	205	67.51%	28.598 67	200	64.13%	27.93 241	Atg3
140580	2221	205	54.89%	25.920 36	219	52.81%	27.72 156	Elmo1
227620	1690	205	96.86%	34.064 57	176	97.87%	29.27 845	Uap111
21847	3045	205	87.19%	18.906 11	184	86.11%	16.98 841	Klf10
13714	3671	205	85.73%	15.682 13	98	68.46%	7.505 227	Elk4
102866	3251	204	84.47%	17.621 74	110	68.78%	9.512 569	Pls3
237336	2880	204	79.65%	19.891 77	197	80.66%	19.23 073	Tbp11
66070	1152	204	88.19%	49.729 42	216	88.80%	52.71 369	Cwc15
gi 160333608 ref N R_003967.1	17291	204	14.34%	3.3131 86	243	15.38%	3.951 011	-
22084	6147	204	64.47%	9.3197 16	179	60.27%	8.186 758	Tsc2
26416	3605	204	81.78%	15.891 34	193	77.92%	15.05 131	Mapk14
15925	5104	204	79.68%	11.224 2	120	61.32%	6.609 867	Ide
105782	5547	204	69.77%	10.327 8	138	55.36%	6.994 28	Scrib
67647	4035	204	78.39%	14.197 84	104	61.56%	7.246 227	4930523 C07Rik
16709	4511	204	81.64%	12.699 69	156	69.34%	9.722 409	Ktn1
26444	881	203	95.80%	64.707 68	207	96.37%	66.05 665	PsmA7
18518	1518	203	87.22%	37.554 33	208	84.65%	38.52 243	Igfbp1

20352	3946	203	75.90%	14.446 9	146	65%	10.40 202	Sema4b
76220	4308	203	73.14%	13.232 93	158	70.98%	10.31 106	6530402 F18Rik
112406	2124	203	93.36%	26.839 67	155	90.21%	20.51 631	Egln2
67739	2526	203	81.16%	22.568 28	218	85.31%	24.26 304	Slc48a1
13356	4099	203	78.73%	13.907 65	172	82.07%	11.79 703	Dgcr2
103534	2429	203	92.05%	23.469 52	116	76.95%	13.42 618	Mgat4b
70510	1538	203	95.90%	37.065 97	189	95.38%	34.54 837	Rnf167
263876	3996	202	85.16%	14.195 86	205	81.23%	14.42 283	Spata2
80743	3206	202	73.49%	17.693 9	204	71.62%	17.88 911	Vps16
104401	7281	202	51.45%	7.7910 51	153	44.53%	5.907 756	Pcnx13
gi 21450218 ref N M_144832.1	2439	202	90.53%	23.258 16	123	79.79%	14.17 801	-
77864	4902	202	76.09%	11.572 14	158	71.26%	9.061 621	Ypel2
211499	2927	202	85.99%	19.380 47	144	71.44%	13.83 126	Tmem87 a
74164	4556	202	73.07%	12.450 98	111	54.37%	6.849 54	Nfx1
19732	2967	201	86.48%	19.024 54	181	80.35%	17.15 075	Rgl2
67778	2038	201	85.23%	27.696 67	142	80.96%	19.58 873	Zfp639
67857	1583	201	94.88%	35.657 5	208	93.24%	36.94 065	Ppp6c
68552	2084	201	70.63%	27.085 33	190	62.96%	25.63 173	1110003 E01Rik
16439	8347	201	62.13%	6.7624 08	209	53.11%	7.039 438	Itpr2
68497	5476	201	72.70%	10.307 86	122	58.09%	6.263 521	1110018 G07Rik
97112	1739	201	94.59%	32.458 78	220	93.39%	35.56 683	Nmd3
104394	2024	201	93.18%	27.888 25	193	92.54%	26.80 828	E2f4

208228	2687	201	91.59%	21.007	132	80.24%	13.81 11	Mob3a
21423	3320	201	73.31%	17.001 75	132	67.71%	11.17 784	Tcf3
217353	2913	201	88.29%	19.377 21	152	81.12%	14.66 983	Tmc6
53314	904	200	95.13%	62.129 42	277	95.24%	86.14 567	Batf
243846	2183	200	77.55%	25.728 35	181	67.75%	23.31 025	Ccdc9
21411	7364	200	66.28%	7.6269 68	135	50.72%	5.153 973	Tcf20
19166	963	200	76.01%	58.322 94	241	80.17%	70.35 79	Psma2
20844	3720	200	74.95%	15.098 12	175	77.18%	13.22 566	Stam
27279	980	200	92.86%	57.311 22	337	94.69%	96.67 762	Tnfrsf12 a
269593	7529	200	60.57%	7.4598 21	178	58.02%	6.646 681	Luzp1
gi 28395017 ref N M_010593.1	3226	200	90.70%	17.410 1	331	92.16%	28.84 601	-
80290	4145	200	80.70%	13.550 06	149	68.06%	10.10 611	Gpr146
72843	3935	200	76.32%	14.273 19	165	72.40%	11.78 858	Prdm4
101739	3182	200	80.74%	17.650 85	156	79.82%	13.78 309	Psip1
223775	2419	200	82.10%	23.218 27	309	81.52%	35.91 242	Pim3
21754	3620	200	56.66%	15.515 19	121	51.46%	9.397 21	Tesk1
218215	4576	200	81.69%	12.273 82	105	60.34%	6.450 976	Rnf144b
67785	7022	200	68.81%	7.9984 32	138	58.60%	5.525 103	Zmym4
320982	3967	199	21.96%	14.087 26	133	22.16%	9.425 655	Arl4c
100561	2720	199	90.29%	20.545 65	122	83.93%	12.60 994	Slc15a4
98396	4675	199	74.05%	11.953 83	158	70.61%	9.501 619	Slc41a1
54204	1466	199	96.04%	38.120 17	124	95.91%	23.77 989	1-Sep

18795	7116	199	66.19%	7.8533 12	117	47.18%	4.622 448	Pleb1
77805	4540	199	74.03%	12.309 29	119	55.97%	7.369 079	Esco1
gi 118130146 ref NM_010804.3	4886	199	77.63%	11.437 61	135	65.06%	7.767 878	-
78885	3518	199	90.85%	15.885 21	129	81.81%	10.30 899	Coro7
11545	3845	199	87.62%	14.534 24	124	70.87%	9.066 663	Parp1
67073	3165	199	79.87%	17.656 92	146	71.31%	12.96 884	Pi4k2b
74122	2850	199	90.11%	19.608 48	177	92.35%	17.46 025	Tmem43
15162	2107	198	89.37%	26.389 82	202	89.18%	26.95 311	Hck
68879	3071	198	90.46%	18.105 94	140	78.54%	12.81 653	Prpf6
216190	2958	198	83.37%	18.797 61	198	84.18%	18.81 868	Appl2
102162	2893	198	90.43%	19.219 96	196	89.94%	19.04 714	Taf5l
326622	5174	198	76.25%	10.746 68	166	72.03%	9.019 943	Upf2
gi 19882246 ref NM_028412.1	2756	198	88.13%	20.175 38	177	84.80%	18.05 578	-
18676	5260	198	76.14%	10.570 98	183	72.95%	9.781 095	Phf2
gi 226874894 ref NM_013625.3	5516	198	25.02%	10.080 37	183	25.36%	9.327 15	-
71765	2139	198	93.64%	25.995 02	172	89.53%	22.60 684	Klhdc3
50887	1911	198	70.43%	29.096 46	283	70.64%	41.63 397	Hmgn5
226421	2539	198	95.04%	21.899 7	286	94.60%	31.66 835	5430435 G22Rik
11891	2971	198	86.03%	18.715 36	254	89.20%	24.03 55	Rab27a
231506	4596	198	77.48%	12.098 2	188	77.20%	11.50 006	Lin54
17068	694	198	89.34%	80.120 09	140	96.69%	56.71 405	Ly6d
109672	749	198	96.80%	74.236 77	201	98.13%	75.44 602	Cyb5

18106	3758	197	34.67%	14.721 27	238	35.87%	17.80 501	Cd244
55932	2639	197	84.50%	20.963 44	235	84.84%	25.03 517	Gbp3
gi 118130545 ref NM_178116.3	4473	197	64.16%	12.368 1	96	56.92%	6.033 849	-
67117	2153	197	90.34%	25.695 55	212	91.83%	27.68 305	Dynlt3
59029	1560	197	94.49%	35.463 15	160	89.36%	28.83 484	Psm14
68083	1753	197	82.72%	31.558 77	172	81.86%	27.58 472	Pak1ip1
71393	1667	197	83.20%	33.186 87	261	80.68%	44.01 767	Kctd6
67948	4932	197	76.20%	11.217 06	190	74.49%	10.83 06	Fbxo28
67125	1543	197	97.02%	35.853 87	235	92.87%	42.81 777	Tspan31
103466	5967	197	67.55%	9.2714 12	217	75.13%	10.22 412	Nt5dc3
60611	5013	197	76.60%	11.035 81	121	54.22%	6.785 936	Foxj2
69823	4397	197	73.23%	12.581 88	173	69.73%	11.06 144	Fytd1
56462	1918	197	79.61%	28.843 86	230	81.44%	33.71 331	Mtch1
19714	10666	197	49.62%	5.1868 1	148	35.93%	3.901 057	Rev3l
53381	975	197	96.82%	56.741 04	219	91.59%	63.14 829	Prdx4
238386	4325	197	80.12%	12.791 33	127	68.02%	8.255 431	Btd7
381650	3673	197	84.59%	15.061 94	144	71.11%	11.02 208	Thap6
216987	3871	196	79.18%	14.218 99	158	74.01%	11.47 509	Utp6
106298	3607	196	84.39%	15.259 69	175	78.49%	13.63 999	Rrn3
22088	1832	196	80.95%	30.044 59	199	82.97%	30.53 864	Tsg101
56426	1870	196	79.47%	29.434 06	260	88.13%	39.08 894	Pdcd10
66109	1923	196	92.20%	28.622 83	165	93.40%	24.12 275	Tspan13

13136	2527	196	81.20%	21.781 44	81	58.45%	9.011 6	Cd55
219148	4252	196	73.10%	12.944 89	141	66.44%	9.322 834	Fam167a
56248	2776	196	85.91%	19.827 7	192	86.38%	19.44 482	Ak3
16563	4250	196	77.88%	12.950 99	167	71.55%	11.04 713	Kif2a
13726	1303	196	90.48%	42.242 28	184	85.57%	39.70 046	Emd
12390	2473	196	90.30%	22.257 05	212	85.28%	24.10 093	Cav2
21685	4267	195	77.97%	12.833 58	238	81.74%	15.68 11	Tef
14388	4877	195	73.61%	11.228 39	166	67.21%	9.569 24	Gab1
94213	2507	195	86.16%	21.843 19	193	81.97%	21.64 338	Ddx50
26412	2466	195	93.43%	22.206 35	148	82.64%	16.87 294	Map4k2
270058	3284	195	87.03%	16.675 05	133	68.61%	11.38 599	Mtap1s
70233	3284	195	78.50%	16.675 05	172	75.58%	14.72 473	Cd2bp2
76577	4322	195	80.40%	12.670 26	152	73.81%	9.887 374	Faf2
17916	3833	195	83.49%	14.286 69	187	84.56%	13.71 592	Myo1f
20354	4377	195	81.40%	12.511 05	116	61.75%	7.450 811	Sema4d
gi 146134489 reflN M_010754.4	2512	195	84.79%	21.799 71	184	80.73%	20.59 303	-
17346	2493	195	93.70%	21.965 85	170	91.26%	19.17 118	Mknk1
23950	2708	195	25.63%	20.221 89	257	26.14%	26.68 128	Dnajb6
76707	7827	195	57.12%	6.9964 06	128	40.85%	4.597 659	Clasp1
12028	869	195	85.96%	63.015 96	186	83.43%	60.17 489	Bax
67920	1857	195	88.42%	29.488 89	158	85.78%	23.92 034	Mak16
260409	1967	195	91.76%	27.839 79	306	92.12%	43.73 601	Cdc42ep 3

gi 149261507 ref X M_001480481.1	2526	195	29.93%	21.678 89	320	30.01%	35.61 548	-
79264	6352	194	46.30%	8.5768 33	165	42.71%	7.302 904	Krit1
78656	4677	194	61.98%	11.648 5	117	60.25%	7.033	Brd8
70561	4028	194	68.20%	13.525 33	152	64.70%	10.60 904	Txndc16
223828	4023	194	79.77%	13.542 14	156	70.92%	10.90 176	Pphln1
56613	3120	194	82.44%	17.461 55	215	80.74%	19.37 341	Rps6ka4
21982	1896	194	80.12%	28.734 2	183	74.84%	27.13 532	Tmem16 5
50912	2803	194	93.01%	19.436 33	250	94.26%	25.07 489	Exosc10
26932	4841	194	75.01%	11.253 88	171	72.96%	9.930 775	Ppp2r5e
59041	3254	194	56.12%	16.742 48	139	53.20%	12.00 935	Stk25
21961	9966	194	52.77%	5.4665 91	108	34.33%	3.046 667	Tns1
230936	3128	194	88.20%	17.416 89	174	81.71%	15.63 884	Phf13
20085	629	193	40.38%	86.167 28	193	26.87%	86.26 384	Rps19
gi 142370571 ref N M_011405.3	2278	193	81.08%	23.792 46	242	84.24%	29.86 646	-
24105	2410	193	96.56%	22.489 3	160	90.04%	18.66 487	Rbck1
11846	1489	193	88.18%	36.399 74	408	95.90%	77.03 491	Arg1
433667	2678	193	87.64%	20.238 69	185	84.06%	19.42 152	Ankrd13 c
67487	3724	192	80.26%	14.478 62	187	87.22%	14.11 738	Dhx40
353342	4745	192	70.83%	11.363 2	134	61.24%	7.939 455	Peg13
12506	1142	192	94.05%	47.214	206	93.61%	50.71 346	Cd48
22200	2443	192	81.91%	22.070 57	140	72.86%	16.11 116	Uba3
gi 149270841 ref X R_030935.1	6434	192	46.29%	8.3802 29	172	40.97%	7.515 701	-

22214	4657	192	40.61%	11.577 92	208	34.92%	12.55 681	Ube2h
66058	1064	192	98.50%	50.675 18	277	96.62%	73.19 143	Tmem17 6a
18669	4344	192	72.47%	12.412 15	212	70.19%	13.72 044	Abcb1b
75553	3556	192	62.04%	15.162 65	147	60.12%	11.62 192	Zc3h14
21682	2656	192	88.70%	20.300 6	138	86.33%	14.60 741	Tec
71702	2994	192	62.02%	18.008 82	164	61.96%	15.39 977	Cdc5l
101148	4147	192	77.60%	13.001 78	185	72.08%	12.54 18	B630005 N14Rik
71900	6099	192	64.16%	8.8405 3	101	50.75%	4.655 699	Tmem10 6b
12443	3796	192	78.79%	14.204	309	88.33%	22.88 518	Ccnd1
109674	3650	191	81.21%	14.695 22	142	77.40%	10.93 749	Ampd2
22770	5212	191	72.91%	10.291 17	162	68.38%	8.738 416	Zhx1
gi 142383958 ref NM_026360.2	1751	191	95.43%	30.632 53	147	89.21%	23.60 224	-
gi 124486856 ref NM_001081282.1	5550	191	72.34%	9.6644 27	133	54.65%	6.737 221	-
gi 125347388 ref NM_009054.2	2329	191	74.02%	23.030 3	132	74.50%	15.93 406	-
27058	1388	191	88.62%	38.643 78	196	90.49%	39.69 984	Srp9
12557	3475	191	89.55%	15.435 27	134	72.89%	10.84 107	Cdh17
66357	1081	191	89.18%	49.618 47	227	89.08%	59.03 673	Ostc
110253	7352	191	33.22%	7.2956 43	130	28.25%	4.971 186	Triobp
226255	6596	191	65.34%	8.1318 33	144	51.26%	6.137 676	Atml1
gi 45439303 ref NM_010414.1	10081	191	51.90%	5.3206 59	102	33.01%	2.844 583	-
50907	5505	191	48.94%	9.7434 27	181	45.83%	9.243 647	Preb
104175	4092	191	83.58%	13.107 91	101	61.51%	6.939 175	Sbk1

108654	9669	191	52.51%	5.5473 75	113	38.04%	3.285 633	4933403 F05Rik
70387	3470	191	84.87%	15.457 51	142	73.54%	11.50 485	Ttc9c
75739	4975	191	70.71%	10.781 42	119	53.61%	6.724 748	Mpp7
12576	2405	191	84.95%	22.302 52	165	83.87%	19.28 817	Cdkn1b
gi 146134475 ref N M_016893.4	3051	190	80.96%	17.488 28	192	89.64%	17.69 217	-
16440	9012	190	58.41%	5.9206 33	105	37.65%	3.275 595	Itpr3
244668	6365	190	59.59%	8.3828 35	187	55.38%	8.259 72	Sipa112
71517	3578	190	80.55%	14.912 45	157	73.76%	12.33 62	9030624 J02Rik
20624	3400	190	84.26%	15.693 16	151	78.85%	12.48 591	Eftud2
73473	9623	190	51.02%	5.5447 1	145	35.95%	4.236 231	Iws1
75273	3463	190	83.92%	15.407 66	144	75.25%	11.69 047	Pelp1
22110	2696	190	84.83%	19.791 08	144	78.26%	15.01 636	Tspy11
gi 19527301 ref N M_134076.1	2351	190	92.05%	22.695 34	130	87.07%	15.54 579	-
353258	1784	190	95.01%	29.908 49	222	94.56%	34.98 487	Ltv1
14706	2976	190	87.13%	17.929 01	103	68.92%	9.730 304	Gng4
106073	1742	189	89.27%	30.468 38	159	86.74%	25.66 085	Mfsd5
19179	1502	189	90.55%	35.336 83	178	88.95%	33.31 748	Psmc1
12315	2233	189	84.86%	23.768 88	181	84.73%	22.78 83	Calm3
269378	2560	189	67.07%	20.732 78	151	73.71%	16.58 285	Ahcy
11883	3491	189	69.01%	15.203 64	211	68.98%	16.99 24	Arsa
67581	3664	189	81.74%	14.485 79	165	73.20%	12.66 049	Tbc1d23
56786	1685	189	92.28%	31.499 06	162	83.98%	27.02 945	Tmem9b

212127	4322	189	76.49%	12.280 41	199	81.56%	12.94 465	Proser1
74159	3746	189	78.51%	14.168 69	150	69.62%	11.25 759	Acbd5
207352	4578	189	74.60%	11.593 69	152	69.62%	9.334 475	Sec23ip
73122	5565	188	71.45%	9.4869 89	127	57.02%	6.415 946	Tgfbrap1
56531	7050	188	65.59%	7.4886 66	136	55.40%	5.423 403	Ylpm1
12054	1678	188	86.65%	31.463 11	197	90.64%	33.00 627	Bcl7b
19274	5569	188	70.53%	9.4801 75	228	76.17%	11.51 012	Ptprm
94192	2084	188	84.98%	25.333 54	94	75.19%	12.68 096	C1galt1
52132	2986	188	90.46%	17.680 88	155	85.77%	14.59 365	Ccdc97
18763	14170	188	37.30%	3.7258 36	94	19.60%	1.865 006	Pkd1
26382	2634	188	90.74%	20.043 7	77	57.29%	8.218 585	Fgd2
71452	3493	188	81.82%	15.114 54	130	73.12%	10.46 326	Ankrd40
67971	1040	188	94.04%	50.764 51	60	85%	16.21 96	Tppp3
14191	3353	188	87.06%	15.745 63	182	84.19%	15.26 019	Fgr
69221	461	188	97.61%	114.52 3	185	91.76%	112.8 218	2410006 H16Rik
214048	1705	188	95.43%	30.964 86	178	94.49%	29.35 065	Larp1b
330171	3098	188	64.69%	17.041 67	141	59.94%	12.79 558	Kctd10
208846	6004	188	67.32%	8.7933 2	107	51.20%	5.010 317	Daam1
gi 56549086 ref N M_174990.3	1810	188	56.08%	29.168 56	93	55.08%	14.44 53	-
208154	3235	187	87.57%	16.233 16	82	63.52%	7.126 26	Btla
320484	3677	187	75.22%	14.281 82	122	60.35%	9.327 995	Rasal3
66917	2205	187	90.02%	23.815 99	165	86.71%	21.03 766	Chordc1

52700	1446	187	53.67%	36.316 92	189	53.67%	36.74 647	Txndc17
13688	1786	187	93.45%	29.403 29	81	83.31%	12.75 045	Eif4ebp2
gi 146198717 ref NM_172779.3	3766	187	75.15%	13.944 31	186	75.15%	13.88 528	-
170755	5517	187	56.73%	9.5186 28	169	50.50%	8.612 036	Sgk3
19882	4706	186	72.38%	11.099 33	224	68.44%	13.38 191	Mst1r
18754	6254	186	59.64%	8.3520 06	220	64.21%	9.889 787	Prkce
15510	2347	186	37.71%	22.255 41	184	40.69%	22.04 077	Hspd1
75901	5616	186	77.53%	9.3008 27	128	56.13%	6.407 742	Dep1a
27277	2689	186	92.34%	19.424 86	117	85.16%	12.23 255	Golga5
14792	2502	186	75.06%	20.876 68	193	78.14%	21.68 663	Lpcat3
75316	1381	186	76.76%	37.822 91	219	81.61%	44.58 334	Taf1d
231464	3171	186	86.19%	16.472 23	175	82.72%	15.51 543	Cnot6l
26419	5770	186	52.67%	9.0525 9	132	41.13%	6.431 618	Mapk8
67035	2702	186	71.84%	19.331 4	274	70.47%	28.50 935	Dnajb4
171504	3615	185	83.26%	14.371 4	234	90.84%	18.19 825	Apobr
11984	1151	185	20.85%	45.136 94	176	20.94%	42.98 921	Atp6v0c
108077	3972	185	83.61%	13.079 71	153	71%	10.82 94	Skiv2l
242418	7226	185	62.01%	7.1896 79	174	56.45%	6.769 762	Dcaf10
270627	8060	185	53.34%	6.4457 34	120	45.20%	4.185 702	Taf1
229584	7642	185	60.57%	6.7983 01	145	52.94%	5.334 369	Pogz
13003	12432	185	38.77%	4.1789 43	96	26.80%	2.170 963	Vcan
68035	1701	185	94.47%	30.542 4	168	92.42%	27.76 688	Rbm42

69019	1022	185	64.97%	50.834 26	246	67.71%	67.67 158	Spes1
268417	4059	185	76.62%	12.799 36	166	72.73%	11.49 77	Zkscan1 7
235623	4310	185	79.93%	12.053 97	153	70.05%	9.980 132	Scap
73744	3221	185	87.30%	16.129 34	159	83.58%	13.87 805	Man2c1
66090	1057	184	94.51%	48.885 33	137	84.01%	36.43 91	Ypel3
140579	4636	184	61.37%	11.145 77	105	52.83%	6.367 486	Elmo2
217826	3112	184	83.03%	16.604 05	165	74.04%	14.90 618	Kcnk13
20849	2981	184	76.65%	17.333 71	151	73.53%	14.24 089	Stat4
26411	2699	184	89.14%	19.144 79	90	74.32%	9.374 794	Map4k1
21429	4704	184	64.97%	10.984 65	114	54.12%	6.813 334	Ubtf
74157	3754	184	74.61%	13.764 46	107	67.16%	8.013 304	Ftsjd2
16913	1223	184	84.46%	42.250 04	167	81.68%	38.38 947	Psmb8
234959	3914	184	53.83%	13.201 79	161	56.90%	11.56 451	Med17
72750	5532	184	57.30%	9.3405 27	139	50.36%	7.064 066	Fam117b
239555	5099	184	72.47%	10.133 71	131	59.72%	7.222 847	Smcr7l
12333	3119	183	87.37%	16.476 75	109	65.02%	9.825 015	Capn1
228961	2110	183	89.15%	24.355 91	116	81.99%	15.45 602	Npepl1
56632	3790	183	59.71%	13.559 62	142	56.52%	10.53 346	Sphk2
22030	2998	183	73.32%	17.141 75	151	71.61%	14.16 014	Traf2
gi 142362932 ref N M_026071.2	1496	183	94.18%	34.352 25	146	93.32%	27.43 743	-
75751	3611	182	87.09%	14.154 01	162	74%	12.61 275	Ipo4
108937	7157	182	60.46%	7.1412 8	110	49.69%	4.320 995	Rnf169

75452	2623	182	91.27%	19.485 38	135	86.69%	14.46 964	Ascc2
14670	2744	182	80.87%	18.626 15	204	80.28%	20.90 105	Gn11
104721	2488	182	91.28%	20.542 66	181	85.49%	20.45 268	Ddx1
106025	1747	182	91.76%	29.255 95	144	79.91%	23.17 35	Sharpin
29816	4402	182	75.67%	11.610 66	90	51.16%	5.747 971	Hip1r
gi 118130198 ref NM_011306.3	2577	182	91.50%	19.833 19	127	69.89%	13.85 516	-
56298	3521	182	72.59%	14.515 8	202	83.41%	16.12 9	At12
103425	2893	182	89.84%	17.666 83	126	78.64%	12.24 459	Ncln
13875	3503	182	57.52%	14.590 39	200	60.63%	16.05 137	Erf
66390	1403	182	97.29%	36.429 18	190	91.23%	38.07 308	Slmo2
234023	1731	182	82.32%	29.526 37	175	73.43%	28.42 255	Arglu1
13025	1157	182	88.25%	44.174 71	241	90.67%	58.56 064	Ctla2b
399603	5563	182	61.37%	9.1875 15	116	46.45%	5.862 341	Fam84b
13542	3365	182	72.69%	15.188 75	165	76.76%	13.78 545	Dvl1
56422	2793	181	74.29%	18.198 83	144	69.17%	14.49 485	Hbs11
98386	3568	181	75.20%	14.245 89	147	75.87%	11.58 283	Lbr
99138	3118	181	87.72%	16.301 9	116	73.32%	10.45 933	Stard7
13713	4234	181	75.11%	12.005 04	172	73.05%	11.42 088	Elk3
13138	4415	181	79.23%	11.512 87	131	70.12%	8.341 856	Dag1
54712	7059	181	38.50%	7.2006 4	100	33.59%	3.982 712	Plxnc1
70380	1753	181	90.87%	28.995 62	166	89.33%	26.62 247	Mospd1
56044	2662	181	79.60%	19.094 41	132	69.12%	13.94 081	Rala

74039	2759	181	78.25%	18.423 09	154	75.61%	15.69 246	Nfam1
58246	3697	181	78.09%	13.748 8	112	67.87%	8.517 079	Slc35b4
12748	2310	181	77.79%	22.004 03	124	82.99%	15.09 148	Cik2
333433	4393	181	70.04%	11.570 53	115	58.87%	7.359 677	Gpd11
170719	4616	181	69.67%	11.011 55	123	64.41%	7.491 373	Oxr1
68196	1178	181	95.59%	43.148 83	214	95.08%	51.07 291	Hsbp1
217154	3049	181	85.27%	16.670 82	135	75.80%	12.44 797	Stac2
67011	1905	181	97.17%	26.682 06	189	99.11%	27.89 26	Mettl6
93765	3851	181	41%	13.198 99	217	52.09%	15.84 194	Ube2n
57896	1819	180	71.96%	27.789 17	144	72.57%	22.25 625	Krcc1
66943	3254	180	19.48%	15.534 26	277	15.86%	23.93 229	Pqlc1
12864	527	180	69.64%	95.917 44	210	67.93%	112.0 291	Cox6c
14470	875	180	87.20%	57.769 71	155	90.97%	49.80 188	Rabac1
22710	3164	180	43.62%	15.976 14	115	42.64%	10.21 841	Zfp52
12725	5781	180	70.73%	8.7439 01	84	41.05%	4.085 06	Cln3
11479	3277	180	81.81%	15.425 23	92	63.87%	7.892 844	Acvr1b
107607	4327	180	77.33%	11.682 11	193	79.76%	12.53 986	Nod1
55936	5606	180	46.59%	9.0168 56	182	43.90%	9.127 26	Ctps2
67588	4394	180	64.13%	11.503 98	102	55.12%	6.526 228	Rnf41
20850	3910	180	68.59%	12.928	161	61.69%	11.57 634	Stat5a
14260	11925	180	44.03%	4.2388 67	116	34.31%	2.734 776	Fmn1
19177	969	179	99.17%	51.875 82	208	95.15%	60.34 783	Psmb7

70533	3111	179	73.90%	16.158 04	174	77.56%	15.72 43	Btf314
140887	4543	179	78.16%	11.064 86	121	60.60%	7.487 981	Lnx2
664862	2956	179	60.32%	17.005 3	123	57.85%	11.69 83	Gpr137b -ps
667118	5007	179	75.05%	10.039 48	68	44.78%	3.818 154	Zbed6
434197	2831	179	82.27%	17.756 15	94	68.39%	9.334 909	Fam169b
71764	4334	179	69.34%	11.598 45	125	63.59%	8.108 55	C2cd2l
19216	2082	179	96.16%	24.143 93	137	86.98%	18.49 958	Ptger1
66922	2289	179	90.56%	21.960 54	159	78.03%	19.52 871	Rras2
104130	853	179	91.68%	58.930 44	176	90.86%	58.00 771	Ndufb11
18950	2941	179	24.18%	17.092 03	259	20.88%	24.75 864	Pnp
gi 118131059 ref NM_144954.2	2191	179	88.64%	22.942 8	140	81.24%	17.96 42	-
83435	3007	179	66.71%	16.716 88	155	69.60%	14.49 174	Plekha3
668880	15202	179	37.63%	3.3066 48	111	24.40%	2.052 789	Stard9
338337	4222	179	85.91%	11.906 13	131	69.16%	8.723 187	Cog3
70699	6244	179	63.90%	8.0505 55	120	45.77%	5.403 068	Nup205
19419	5155	179	72.49%	9.7512 45	66	40.97%	3.599 46	Rasgrp1
69742	1298	178	88.60%	38.510 67	231	91.06%	50.03 333	Tm2d2
66530	1714	178	94.52%	29.163 85	146	91.07%	23.94 772	Ubxn6
171171	1770	178	88.76%	28.241 15	158	88.25%	25.09 608	Ntng2
14391	2598	178	88.91%	19.240 51	151	84.10%	16.34 03	Gabpb1
94230	4538	178	69.04%	11.015 17	138	68.14%	8.549 421	Cpsf1
104303	842	178	95.96%	59.366 8	142	97.39%	47.41 31	Arl1

21745	8163	178	34.07%	6.1235 87	163	25.92%	5.613 839	Tep1
666123	3083	178	46.38%	16.213 7	180	42.59%	16.41 425	Gm7938
208795	3239	178	88.79%	15.432 8	175	87.84%	15.18 97	Tmem63 a
53328	1838	178	93.85%	27.196 32	161	94.94%	24.62 649	Pgrmc1
22224	3236	178	84.27%	15.447 11	175	88.66%	15.20 378	Usp10
19069	2450	178	85.51%	20.402 79	147	84.04%	16.86 838	Nup88
17955	2283	178	91.55%	21.895 24	169	91.81%	20.81 148	Nap114
381269	2493	178	86.96%	20.050 88	107	75.05%	12.06 656	Mreg
23980	1217	177	95.56%	40.843 07	166	95.81%	38.34 773	Pebp1
14367	6930	177	56.62%	7.1725 86	197	53.62%	7.991 993	Fzd5
233545	4031	177	81.49%	12.330 94	157	74.42%	10.94 987	2210018 M11Rik
66818	2842	177	75.19%	17.489 8	199	82.09%	19.68 571	9130011 J15Rik
235134	5181	177	66.94%	9.5939 04	129	57.46%	7.000 003	Nfrkb
269536	3203	177	81.70%	15.518 58	116	71.78%	10.18 177	Tex10
240754	2371	177	92.91%	20.964 16	107	73.47%	12.68 745	Lax1
73112	826	177	86.44%	60.176 78	249	88.50%	84.75 033	3110003 A17Rik
328133	5247	177	69.81%	9.4732 26	151	65.05%	8.090 735	Slc39a9
26417	1772	177	90.29%	28.050 8	143	86.12%	22.68 791	Mapk3
17260	6427	177	60.57%	7.7339 38	164	62.50%	7.173 939	Mef2c
56692	1263	176	59.70%	39.133 17	202	55.66%	44.96 454	Lamtor3
71520	1599	176	98.75%	30.910 06	109	89.49%	19.16 462	Grap
66914	885	176	95.71%	55.847 68	186	94.80%	59.08 698	Vps28

13543	2937	176	84.34%	16.828 46	121	72.76%	11.58 253	Dvl2
20019	6145	176	69.02%	8.0431 56	147	55.39%	6.725 391	Polr1a
26556	4637	176	74.73%	10.658 87	176	75.61%	10.67 082	Homer1
110109	2626	176	86.44%	18.821 48	156	85.03%	16.70 137	Nop2
56384	3480	176	67.76%	14.202 64	127	56.44%	10.25 998	Letm1
74777	3461	176	79.83%	14.280 61	166	75.38%	13.48 431	Sepr1
18975	4596	176	70.91%	10.753 96	134	62.05%	8.196 848	Polg
105372	4071	176	73.32%	12.140 8	178	74.75%	12.29 252	Utp15
gi 141803005 ref N M_013663.4	2566	176	55.61%	19.261 57	148	56.66%	16.21 538	-
18222	1962	176	89.25%	25.191 23	137	84.86%	19.63 106	Numb
69882	3103	176	68.42%	15.928 2	244	70.32%	22.10 702	2010321 M09Rik
56430	4531	176	71.15%	10.908 23	150	63.30%	9.307 206	Clip1
gi 149259232 ref X M_001476285.1	5542	176	60.56%	8.9182 95	158	51.08%	8.015 169	-
229055	7464	176	54.35%	6.6218 1	119	45.18%	4.482 264	Zbtb10
140858	2916	176	86.56%	16.949 65	179	82.92%	17.25 789	Wdr5
67803	2950	176	56.31%	16.754 3	151	52.78%	14.39 054	Limd2
228993	2197	176	86.98%	22.496 67	138	88.21%	17.65 92	Slc17a9
67333	6204	175	68.18%	7.9214	192	71.12%	8.700 647	Stk35
71177	3071	175	78.70%	16.002 72	213	87.72%	19.49 943	Spata30
629242	3740	175	48.93%	13.140 21	104	39.84%	7.817 787	Gm6958
11432	4669	175	69.31%	10.525 67	176	69.35%	10.59 768	Acp2
13716	3085	175	87.29%	15.930 1	130	81.56%	11.84 705	Ell

69930	4190	175	80.19%	11.728 97	94	57.61%	6.307 19	Zfp715
20530	1824	175	96.27%	26.943 18	155	85.31%	23.89 071	Slc31a2
78913	7737	175	56.97%	6.3518 64	108	43.56%	3.924 4	Ltn1
226432	6236	175	68.55%	7.8807 52	101	50.79%	4.553 417	Ipo9
72900	1472	175	57.88%	33.386 12	151	62.57%	28.83 973	Ndufv2
108105	4872	175	65.68%	10.087 1	104	55.38%	6.001 339	B3gnt5
28114	4279	175	55.64%	11.485 01	149	54.31%	9.789 626	Nsun2
74194	2827	174	91.26%	17.284 59	259	85.32%	25.75 705	Rnd3
57908	7818	174	59.53%	6.2501 33	91	35.50%	3.272 411	Zfp318
71779	4521	174	75.93%	10.808 13	112	60.23%	6.964 752	8-Mar
380753	2567	174	69.46%	19.035 27	169	69.30%	18.50 9	Atxn711
73656	1844	174	93.33%	26.498 67	110	86.77%	16.77 08	Ms4a6c
67949	1894	174	92.98%	25.799 13	163	90.02%	24.19 523	Mki67ip
241274	4592	174	80.12%	10.641 02	136	61.41%	8.326 436	Pnpla7
94178	2039	174	91.37%	23.964 46	148	89.60%	20.40 641	Mcoln1
52683	3330	174	63.63%	14.673 74	162	65.41%	13.67 706	Ncaph2
68904	5074	174	64.94%	9.6301 82	105	52.88%	5.817 829	Abhd13
110880	6598	174	61.56%	7.4058 11	132	46.44%	5.624 498	Scn4a
74769	4854	174	71.26%	10.066 66	144	66.25%	8.340 361	Pik3cb
78912	3056	174	88.58%	15.989 38	123	79.52%	11.31 55	Sp2
102857	3992	174	78.58%	12.240 37	166	67.28%	11.69 068	Slc6a8
54194	2097	174	87.03%	23.301 64	169	91.03%	22.65 742	Akap81

107650	3692	174	81.04%	13.234 98	129	68.63%	9.823 136	Pi4kb
228140	5781	174	64.90%	8.4524 38	118	50.18%	5.738 537	Tnks1bp 1
269587	6565	174	35.51%	7.4430 38	81	27.52%	3.468 745	Epb4.1
73024	1072	174	92.54%	45.581 66	180	93%	47.20 629	Emc7
83673	476	174	93.07%	102.65 45	165	95.38%	97.45 387	Snhg1
11950	1486	174	53.03%	32.882 6	172	54.24%	32.54 106	Atp5f1
228866	2752	174	89.93%	17.755 65	121	81.36%	12.36 116	Pcif1
59057	3143	173	79.19%	15.457 44	95	59.97%	8.497 699	Zfp191
69125	2035	173	93.22%	23.873 57	143	87.62%	19.75 576	Cnot8
76788	5883	173	71.29%	8.2581 54	161	66.50%	7.693 946	Klhdc10
73124	4149	173	70.60%	11.709 5	155	65.03%	10.50 293	Golim4
71914	3776	173	81.06%	12.866 19	153	75.05%	11.39 152	Antxr2
72416	4638	173	76.43%	10.474 93	140	63.39%	8.486 32	Lrpprc
56699	3263	173	72.26%	14.888 97	363	86.42%	31.27 603	Cdc42ep 4
56434	1747	173	92.96%	27.809 23	148	90.96%	23.81 721	Tspan3
22380	3452	173	67.35%	14.073 79	140	61.12%	11.40 196	Wbp4
66256	1183	173	83.69%	41.067 39	213	86.39%	50.61 94	Ssr2
56752	2834	173	72.44%	17.142 81	137	70.92%	13.59 073	Aldh9a1
66925	1287	173	90.99%	37.748 81	190	91.22%	41.50 469	Sdhhd
18569	2418	173	77.58%	20.092 11	134	71.55%	15.58 011	Pdcd4
78394	3180	173	85.06%	15.277 58	204	87.01%	18.03 537	Ddx52
81897	3471	173	79.98%	13.996 75	71	56.41%	5.750 768	Tlr9

72554	2431	173	88.52%	19.984 66	148	87.41%	17.11 587	Utp14a
235132	8882	173	49.48%	5.4697 95	124	42.31%	3.924 94	Zbtb44
12261	1177	173	93.80%	41.276 74	180	90.57%	42.99 502	C1qbp
gi 165972316 ref N M_025967.3	5938	173	61.92%	8.1816 64	202	64.52%	9.563 862	-
66884	2407	173	89.07%	20.183 93	145	77.15%	16.93 612	Appbp2
233724	3619	173	57.70%	13.424 35	173	57.23%	13.43 939	Tmem41 b
77446	4804	172	70.84%	10.054 52	65	39.13%	3.803 93	Heg1
gi 29293830 ref N M_172416.2	3001	172	87.47%	16.095 27	158	82.87%	14.80 175	-
93692	1335	172	87.12%	36.181 19	244	90.86%	51.38 433	Glrx
67843	2861	172	70.08%	16.882 87	181	64.91%	17.78 619	Slc35a4
19663	2547	172	57.71%	18.964 23	226	58.74%	24.94 604	Rbpms
20910	4005	172	75.03%	12.060 4	156	73.66%	10.95 076	Stxbp1
12398	7678	172	51.29%	6.2909 47	75	30.76%	2.746 22	Cbfa2t3
12418	5213	172	55.28%	9.2656 62	154	50.39%	8.305 296	Cbx4
gi 83816979 ref N M_133734.2	2512	172	89.89%	19.228 46	158	86.11%	17.68 315	-
gi 133891701 ref N M_028778.3	3095	172	79.19%	15.606 43	137	75.15%	12.44 463	-
66397	1253	172	86.27%	38.549	183	87.23%	41.06 03	Sar1b
192157	7015	172	58.12%	6.8855 16	173	47.73%	6.933 309	Socs7
58875	1748	172	87.64%	27.632 66	187	86.61%	30.07 615	Hibadh
98258	4596	172	51.91%	10.509 55	158	50.63%	9.664 94	Txndc9
12151	3594	171	70.98%	13.361 45	106	61.32%	8.291 821	Bmi1
gi 114326481 ref N M_009283.3	5217	171	63.06%	9.2047 29	143	63.02%	7.706 148	-

56709	1789	171	90.94%	26.842 41	126	83.12%	19.80 078	Dnajb12
52521	2804	171	60.13%	17.125 92	165	56.35%	16.54 353	Zfp622
69192	3405	171	78.88%	14.103 1	154	76.27%	12.71 527	Dhx16
14999	1285	171	78.44%	37.370 48	140	77.43%	30.63	H2-DMb 1
16880	9663	171	49.07%	4.9695 82	244	56.57%	7.099 046	Lifr
230514	1827	171	92.06%	26.284 11	168	92.34%	25.85 192	Leprot
107769	2202	171	55.18%	21.807 93	180	58.72%	22.98 144	Tm6sf1
70178	2252	171	84.77%	21.323 74	96	71.63%	11.98 464	Fam108c
234875	3049	171	88.13%	15.749 78	112	70.74%	10.32 72	Ttc13
214498	2692	171	84.88%	17.838 44	136	75.11%	14.20 319	Cdc73
76867	3711	171	79.22%	12.940 2	132	67.69%	10.00 012	Rhbdd1
230935	2944	171	84.07%	16.311 5	158	84.75%	15.08 834	Dnajc11
70785	2539	171	78.93%	18.913 38	140	78.26%	15.50 199	Dennd1c
66964	2796	171	85.09%	17.174 92	163	87.70%	16.38 976	Golt1b
68262	1910	171	95.86%	25.141 92	158	89.58%	23.25 658	Agpat4
66848	3954	171	56.93%	12.144 93	152	54.55%	10.80 759	Fuca2
259279	3663	171	81.63%	13.109 76	134	73.74%	10.28 466	Tubgcp3
217364	3922	171	80.70%	12.244 03	63	50.31%	4.516 012	Engase
12399	3891	171	75.94%	12.341 58	123	66.98%	8.887 221	Runx3
100952	3466	171	85.60%	13.854 9	215	89.79%	17.43 942	Emilin1
11555	2173	170	88.63%	21.969 74	211	92.27%	27.29 888	Adrb2
56489	3203	170	79.80%	14.904 85	186	83.48%	16.32 594	Ikbke

54721	4822	170	70.10%	9.9005 07	113	56.49%	6.588 3	Tyk2
gi 149249398 ref X R_031636.1	3945	170	25.27%	12.101 46	209	24.23%	14.89 434	-
12793	1484	170	86.52%	32.169 98	169	88.75%	32.01 658	Cnih
28035	2237	170	80.29%	21.341 19	122	71.66%	15.33 261	Usp39
76719	5510	170	37.21%	8.6642 91	82	32.67%	4.183 93	Kans11
223499	1543	170	89.37%	30.939 89	157	95.01%	28.60 592	Dcaf13
320717	4611	170	74.80%	10.353 56	112	64.17%	6.828 81	Pptc7
27096	1315	170	91.25%	36.304 37	178	87.22%	38.05 541	Trappe3
58184	3285	170	76.26%	14.532 8	147	72.09%	12.58 068	Rqcd1
18130	5019	170	53.06%	9.5119 03	192	55.85%	10.75 489	Ints6
gi 149245348 ref X M_980696.2	3693	170	32.55%	12.927 23	208	33.25%	15.83 457	-
69035	6987	169	48.22%	6.7925 32	125	40.25%	5.029 692	Zdhhc3
66840	2344	169	90.19%	20.247 19	185	83.02%	22.18 892	Wdr451
22129	7295	169	62.73%	6.5057 46	124	45.29%	4.778 796	Ttc3
227624	3173	169	88.06%	14.957 27	163	87.17%	14.44 241	Rab16
12567	1365	169	55.60%	34.768 8	110	52.89%	22.65 594	Cdk4
18572	6062	169	59.65%	7.8290 03	117	46.67%	5.426 153	Pdcd11
70650	4286	169	59.12%	11.073 13	133	54.67%	8.724 119	Zcchc8
67469	3148	169	74.08%	15.076 05	147	75.67%	13.12 819	Abhd5
27406	3288	169	75.52%	14.434 13	113	61.80%	9.662 038	Abcf3
68193	686	169	14.14%	69.182 83	155	14.14%	63.52 281	Rpl24
22222	7765	169	60.03%	6.1119 66	89	37.12%	3.222 335	Ubr1

216001	2275	169	95.34%	20.861 28	159	90.68%	19.64 888	Micu1
75624	2549	169	88.15%	18.618 84	156	89.76%	17.20 588	Metap1
67041	3496	169	78.52%	13.575 35	175	78.78%	14.07 307	Oxct1
67889	2563	169	79.32%	18.517 14	160	79.63%	17.55 066	Rbm18
268706	8913	169	51.91%	5.3247 41	81	30.89%	2.554 955	Slc38a9
217737	1330	169	92.71%	35.683 77	136	95.94%	28.74 812	Ahsa1
19054	4522	168	60.61%	10.433 13	158	57.67%	9.823 102	Ppp2r3d
12181	2476	168	89.66%	19.054 36	160	85.06%	18.16 734	Bop1
240028	5181	168	72.82%	9.1060 79	90	53.87%	4.883 723	Lnpep
19352	1574	168	88.31%	29.973 69	148	83.80%	26.43 499	Rabggtb
13017	4170	168	53.19%	11.313 81	201	53.81%	13.55 134	Ctbp2
11777	1479	168	46.99%	31.898 98	159	39.15%	30.22 394	Ap3s1
56317	2751	168	76.55%	17.149 62	202	75.32%	20.64 348	Anapc7
19344	3180	168	53.30%	14.836 04	117	49.03%	10.34 382	Rab5b
19217	3768	168	64.25%	12.520 86	116	56.87%	8.655 043	Ptger2
235559	5112	168	72.63%	9.2289 89	82	48.92%	4.509 674	Topbp1
240880	4069	168	73.29%	11.594 64	170	67.63%	11.74 582	Scyl3
gi 88853577 ref N M_007454.2	3942	168	77.70%	11.968 19	92	62.28%	6.561 352	-
226144	3349	168	79.96%	14.087 37	138	78.05%	11.58 473	Erlin1
68339	6292	168	57.04%	7.4981 87	93	42.99%	4.155 434	Ccdc88c
278279	5701	167	73.04%	8.2262 36	121	57.43%	5.967 006	Tmtc2
319651	7196	167	63.79%	6.5172	134	52.49%	5.235 23	Usp37

20333	1815	167	89.92%	25.838 99	167	95.59%	25.86 795	Sec22b
66413	1313	167	94.06%	35.718 03	141	94.29%	30.19 093	Psm6
270084	2800	167	73.61%	16.749 2	226	71.54%	22.69 199	Lpcat2
21770	2926	167	84.18%	16.027 95	147	84.76%	14.12 424	Ppp2r5d
15502	5632	167	23.76%	8.3270 19	205	23.38%	10.23 324	Dnaja1
15115	1999	167	90.95%	23.460 61	157	88.94%	22.08 05	Hars
66824	2135	167	62.62%	21.966 17	217	63.56%	28.57 485	Pycard
67922	1921	167	89.80%	24.413 21	153	88.50%	22.39 165	Fam32a
329260	8206	167	59.61%	5.7150 58	119	42.51%	4.076 97	Dennd1b
228033	679	167	95.58%	69.068 88	178	99.12%	73.70 082	Atp5g3
58996	5450	167	62.95%	8.6050 95	218	61.23%	11.24 559	Arhgap2 3
20018	913	167	26.51%	51.366 67	166	28.59%	51.11 63	Polr1d
67266	2724	167	84.36%	17.216 51	172	78.52%	17.75 184	Fam69a
234776	4900	167	74.37%	9.5709 73	103	59.20%	5.909 67	Atmin
68066	1678	167	85.64%	27.948 61	143	86.53%	23.95 886	Slc25a39
gi 33468884 ref N M_009786.1	1493	167	94.17%	31.411 77	155	90.42%	29.18 731	-
66055	1133	167	67.43%	41.392 56	149	70.96%	36.97 247	061009 D07Rik
54394	2365	167	89.51%	19.829 92	138	90.70%	16.40 477	Crlf3
53374	6129	167	62.95%	7.6517 81	66	34.80%	3.027 446	Chst3
22151	1638	166	56.65%	28.459 67	139	59.89%	23.85 739	Tubb2a
66314	2336	166	86.04%	19.955 88	121	77.83%	14.56 246	Tpd52l2
74127	1774	166	88.28%	26.277 87	174	88.56%	27.57 514	Krt80

11544	1583	166	90.52%	29.448 48	183	95.77%	32.50 067	Adprh
21354	2950	166	82.47%	15.802 35	133	76.71%	12.67 511	Tap1
14886	4455	166	63.05%	10.463 96	130	51.87%	8.203 851	Gtf2i
22184	3953	166	48.92%	11.792 8	165	39.79%	11.73 49	Zrsr2
11666	3421	166	75.91%	13.626 7	130	77%	10.68 347	Abcd1
99003	8973	166	56.50%	5.1952 46	117	40.95%	3.665 813	Qser1
74570	8261	166	54.05%	5.6430 15	135	50.82%	4.594 341	Zkscan1
75710	3752	165	81.61%	12.349 71	150	77.40%	11.23 959	Rbm12
94185	3626	165	78.46%	12.778 85	143	67.79%	11.08 742	Tnfrsf21
20111	3153	165	82.08%	14.695 88	134	77.23%	11.94 821	Rps6ka1
67495	2864	165	87.36%	16.178 81	160	88.30%	15.70 613	Tmem16 7b
26445	861	165	89.78%	53.816 63	233	92.10%	76.08 077	Psmb2
72828	3243	165	45.64%	14.288 04	182	45.05%	15.77 78	Ubash3b
69146	1776	165	92.91%	26.090 16	184	96.23%	29.12 708	Gsdmd
116733	2089	165	93.97%	22.181	153	93.97%	20.59 089	Vps4a
229898	3021	165	84.48%	15.338 01	254	88.18%	23.63 769	Gbp5
gi 141803036 ref NM_026417.3	2112	165	74.01%	21.939 45	147	76.56%	19.56 796	-
116891	3623	165	70.36%	12.789 43	137	60.81%	10.63 101	Derl2
74133	3236	165	77.87%	14.318 95	147	77.60%	12.77 118	Smg8
12609	2260	164	60.88%	20.378 45	168	63.27%	20.89 888	Cebpd
12515	1620	164	94.26%	28.429 19	206	89.88%	35.74 986	Cd69
66375	1318	164	84.83%	34.943 32	228	93.55%	48.63 418	Dhrs7

229363	4567	164	47.43%	10.084 36	94	40.11%	5.786 54	Gmps
434484	2417	164	48.28%	19.054 73	157	48.82%	18.26 186	Sp140
235380	10614	164	47.55%	4.3391 08	102	31.32%	2.701 738	Dmx12
80889	3847	164	63.37%	11.971 74	144	58.75%	10.52 355	Mesdc1
19395	2209	164	86.60%	20.848 93	113	80.72%	14.38 152	Rasgrp2
270156	3362	164	75.16%	13.698 78	141	74.12%	11.79 081	AU0198 23
26446	731	164	98.91%	63.003 14	159	99.04%	61.15 076	Psmb3
94044	6933	164	53.89%	6.6429 1	150	52.57%	6.082 641	Bcl2l13
gi 54633299 ref N M_177592.3	5167	164	71.72%	8.9133 53	144	66.92%	7.835 129	-
23924	1775	164	91.32%	25.946 64	181	90.59%	28.66 833	Katna1
22644	3264	164	81.04%	14.110 08	163	76.13%	14.03 976	Rnf103
18046	1959	163	93.26%	23.366 24	142	84.12%	20.37 868	Nfyc
382252	3366	163	75.79%	13.599 07	96	57.22%	8.018 243	A830080 D01Rik
272589	4967	163	69.24%	9.2157 18	133	56.90%	7.528	Tbcel
101540	3625	163	83.70%	12.627 44	96	58.23%	7.445 354	Prkd2
18759	4465	163	73.84%	10.251 84	98	58.52%	6.170 591	Prkci
27373	2760	163	82.10%	16.584 95	184	80.65%	18.74 264	Csnk1e
74105	4891	163	61.95%	9.3589 18	100	41.87%	5.748 102	Gga2
18201	3518	163	79.25%	13.011 5	110	63.87%	8.790 609	Nsmaf
20184	2931	163	71.07%	15.617 36	120	61.92%	11.51 032	Uimc1
216395	1393	163	88.01%	32.860 35	128	86.86%	25.83 336	Tmem5
52392	2738	163	85.87%	16.718 21	121	76.55%	12.42 436	D1Ert6 22e

14105	3415	163	49.34%	13.403 94	154	49.25%	12.67 804	Srsf10
56736	3369	163	77.09%	13.586 96	131	65.69%	10.93 182	Rnf14
230866	6226	163	67.91%	7.3521 47	138	60.62%	6.231 493	Emc1
110173	3688	163	79.09%	12.411 73	162	79.34%	12.34 941	Manba
268749	3443	163	84.35%	13.294 94	128	70.61%	10.45 19	Rnf31
16197	3227	163	80.94%	14.184 84	61	53.08%	5.314 385	Il7r
68510	7133	163	65.43%	6.4172 81	82	39.03%	3.231 943	Ints1
67683	2619	163	36.62%	17.477 84	189	40.28%	20.28 843	2610029 G23Rik
gi 149262083 ref X M_001475830.1	5349	163	49.28%	8.5575 75	157	48.27%	8.251 809	-
71844	2410	163	84.40%	18.993 56	106	84.11%	12.36 548	Nupl1
gi 51317396 ref N M_133788.1	4796	162	69.47%	9.4857 47	84	47.08%	4.924 047	-
75764	3692	162	40.71%	12.322 22	275	21.48%	20.94 079	Slx1b
78287	5242	162	68.43%	8.6786 81	115	60.87%	6.167 696	Zfyve20
66154	969	162	88.03%	46.949 06	161	89.78%	46.71 154	Tmem14 c
67299	7043	162	58.54%	6.4594 13	159	53.59%	6.346 899	Dock7
gi 118130593 ref N M_019830.2	1272	162	86.40%	35.765 44	116	80.90%	25.63 852	-
17082	5080	162	67.70%	8.9554 42	34	25.39%	1.881 643	Il1rl1
13614	2344	162	77.13%	19.408 55	255	85.03%	30.58 473	Edn1
26562	3701	162	81.03%	12.292 26	123	72.52%	9.343 469	Ncdn
84505	4682	162	72.38%	9.7167 12	89	47.37%	5.344 176	Setdb1
68015	2297	162	93.25%	19.805 68	137	88.38%	16.76 802	Trap1
106512	1359	162	83.30%	33.475 82	145	88.82%	29.99 651	Gpsm3

72141	2499	162	86.51%	18.204 74	129	80.39%	14.51 261	Adpgk
79233	4144	162	76.76%	10.978 2	114	70.68%	7.734 054	Zfp319
104082	7109	162	56.38%	6.3994 44	109	41.51%	4.310 624	Wdr7
12237	2055	162	80.49%	22.138 03	136	78.30%	18.60 584	Bub3
68031	4420	162	34.73%	10.292 68	153	33.05%	9.731 758	Rnf146
66508	1201	162	77.02%	37.879 8	130	72.86%	30.43 144	Lamtor1
67759	843	162	98.34%	53.966 36	132	96.68%	44.02 187	5033414 D02Rik
16337	9357	162	49.65%	4.8619 9	177	50.92%	5.318 128	Insr
19222	3334	162	83.20%	13.645 36	97	52.70%	8.179 528	Ptgir
67180	2329	162	83.77%	19.533 55	128	72.91%	15.45 121	Yipf5
68949	754	161	62.73%	59.963 95	184	59.15%	68.60 703	1500012 F01Rik
22272	511	161	92.76%	88.479 1	161	85.52%	88.57 825	Uqcrq
270096	5054	161	68.08%	8.9459 48	105	56.85%	5.840 852	Mon1b
232791	2923	161	67.67%	15.467 95	90	60.45%	8.656 37	Cnot3
27984	2381	161	25.91%	18.989	216	30.28%	25.50 448	Efh2
108083	5068	161	77.01%	8.9212 35	104	58.11%	5.769 243	Pip4k2b
69104	4113	161	43.74%	10.992 66	175	38.49%	11.96 194	5-Mar
109181	6448	161	60.41%	7.0119 14	112	50.78%	4.883 319	Trip11
72823	8409	161	54.86%	5.3767 18	200	56.02%	6.686 637	Pard3b
101023	2290	161	78.86%	19.743 59	127	73.45%	15.59 159	Zfp513
28169	3439	161	80.87%	13.147 08	117	75.25%	9.564 798	Agpat3
56371	2258	161	85.74%	20.023 39	158	83.84%	19.67 231	Fzr1

gi 90991703 ref N M_001033439.2	4707	161	71.72%	9.6054 43	98	59.70%	5.853 343	-
74213	4105	161	73.08%	11.014 09	138	64.82%	9.451 224	Rbm26
98403	3650	161	83.86%	12.387 07	185	79.62%	14.24 954	Zfp451
100198	4739	161	72.27%	9.5405 82	90	55.92%	5.339 221	H6pd
52668	1053	160	94.30%	42.670 46	231	96.11%	61.67 451	Ifi2711
72046	5531	160	55.99%	8.1236 66	171	59.01%	8.691 897	Urgcp
66142	1176	160	39.63%	38.207 48	214	43.79%	51.15 977	Cox7b
27418	3973	160	71.26%	11.309 34	126	53.94%	8.916 083	Mkn1
217715	1573	160	77.24%	28.564 52	147	84.93%	26.27 306	Eif2b2
75786	6584	160	63.84%	6.8244 22	97	40.22%	4.141 942	Ckap5
73699	3636	160	53.22%	12.357 53	145	43.78%	11.21 157	Ppp2r1b
268903	4529	160	76%	9.9209 53	150	71.87%	9.311 316	Nrip1
210146	6159	160	62.61%	7.2953 39	135	49.36%	6.162 34	Irgq
gi 148747478 ref N M_008514.3	5440	160	65.48%	8.2595 58	73	40.22%	3.772 646	-
20339	2912	160	91.72%	15.429 94	242	92.93%	23.36 394	Sele
69190	2471	160	89.64%	18.183 73	168	87.54%	19.11 431	Dym
319565	21718	160	23.45%	2.0688 83	146	18.83%	1.889 971	Syne2
17772	3488	160	72.25%	12.881 88	110	69.58%	8.866 216	Mtm1
66052	1179	160	95.34%	38.110 26	165	91.77%	39.34 525	Sdhc
11983	552	160	85.69%	81.398 54	250	87.14%	127.3 277	Atpif1
14904	3444	160	81.77%	13.046 46	129	74.83%	10.53 049	Gtpbp1
67568	1630	160	58.47%	27.565 64	154	54.36%	26.56 166	Mrfap1

100986	12105	160	42.35%	3.7118 54	105	25.97%	2.438 634	Akap9
329877	5648	160	66.24%	7.9553 81	72	40.33%	3.583 933	Dennd4c
20715	2030	160	83.84%	22.133 99	101	76.06%	13.98 774	Serpina3 g
360013	7304	160	52.09%	6.1516 97	123	43.95%	4.734 417	Myo18a
268490	1224	159	89.22%	36.479 71	119	93.22%	27.33 302	Lsm12
228960	3768	159	70.89%	11.850 1	91	61.09%	6.789 732	Stx16
240442	4188	159	78.44%	10.661 69	130	71.51%	8.726 876	Adnp2
75805	3780	159	72.99%	11.812 48	105	64.31%	7.809 435	Nln
17289	3564	159	79.15%	12.528 39	161	75.42%	12.70 019	Mertk
12908	4393	159	63.49%	10.164 16	126	52.56%	8.063 646	Crat
54128	1802	159	94.78%	24.778 67	164	97.95%	25.58 652	Pmm2
234797	5565	159	66.68%	8.0235 7	110	54.20%	5.557 118	6430548 M08Rik
27176	864	159	11%	51.679 59	175	11%	56.94 38	Rpl7a
627695	1470	159	90.61%	30.374 94	134	93.27%	25.62 77	Gm6780
269252	7127	159	56.69%	6.2650 72	92	38.47%	3.629 136	Gtf3c4
100169	4585	159	77.08%	9.7385 32	117	64.49%	7.174 12	Phactr4
22225	3176	159	85.48%	14.058 93	123	79.41%	10.88 797	Usp5
gi 22208994 ref N M_024242.2	2435	159	90.80%	18.337 24	129	82.55%	14.89 405	-
69745	933	159	95.07%	47.857 63	165	88.96%	49.71 923	Pold4
224454	3115	159	68.92%	14.334 24	80	56.37%	7.220 28	Zdhc14
67456	3935	159	60.81%	11.347 18	137	56.49%	9.788 09	Ergic2
66171	883	159	91.96%	50.567 58	130	94.56%	41.39 089	Pgls

232023	2906	159	85.10%	15.365 16	160	81.90%	15.47 913	Vopp1
321000	3370	158	80.74%	13.166 27	122	63.56%	10.17 776	Lrif1
11909	4294	158	48.51%	10.333 1	147	50.68%	9.624 483	Atf2
18507	1208	158	98.92%	36.730 42	91	92.88%	21.17 857	Pax5
56697	3848	158	74.40%	11.530 75	75	51.69%	5.479 593	Akap10
68891	2733	158	84.85%	16.235 03	87	70.22%	8.949 561	Cd177
211922	4444	158	70.12%	9.9843 26	86	54.07%	5.440 597	Fam116a
21767	1757	158	82.64%	25.253 47	159	81.27%	25.44 178	Tex264
207740	1402	158	94.22%	31.647 89	163	92.30%	32.68 599	Fam100a
27973	764	158	84.95%	58.076 37	210	85.99%	77.27 661	Vkorc1
80886	2442	158	81.98%	18.169 67	128	73.91%	14.73 623	Senp3
69202	1155	158	92.55%	38.415 88	124	80.78%	30.18 296	Ptms
100637	1907	158	95.33%	23.267 09	99	88.20%	14.59 508	N4bp211
102098	5300	158	68.79%	8.3717 63	59	38.36%	3.129 668	Arhgef1 8
64050	1418	157	86.81%	31.092 75	137	92.38%	27.16 229	Yeats4
102103	6554	157	50.03%	6.7271 16	125	40.81%	5.361 986	Mtus1
71777	3755	157	60.85%	11.741 55	150	65.27%	11.23 061	Ing3
193742	1945	157	95.22%	22.668 13	134	90.64%	19.36 9	Abhd16a
68539	1943	157	90.02%	22.691 47	144	86.88%	20.83 588	Tmem10 9
216825	4442	157	76.81%	9.9256 01	92	55.67%	5.822 794	Usp22
56195	3364	157	67.51%	13.106 28	113	61.86%	9.443 752	Ptbp2
231713	3105	157	80.23%	14.199 52	133	77%	12.04 238	Naa25

269704	4139	157	80.67%	10.652 22	124	69.75%	8.422 643	Zfp664
56490	3156	157	76.11%	13.970 06	192	87.29%	17.10 355	Zbtb20
22209	1661	157	83.26%	26.543 96	158	84.89%	26.74 297	Ube2a
230654	2883	157	77.32%	15.292 93	151	75.10%	14.72 497	Lrrc41
278180	1432	157	28.42%	30.788 77	250	28.63%	49.08 164	Vsig4
gi 32484982 ref N M_010139.2	3907	157	69.80%	11.284 75	168	71.54%	12.08 893	-
11990	8740	157	50.79%	5.0445 67	150	48.14%	4.825 051	Atrn
66164	3129	157	59.57%	14.090 61	176	60.56%	15.81 354	Nip7
75339	2954	157	83.38%	14.925 36	161	85.48%	15.32 278	Mphosph 8
21763	4947	157	62.56%	8.9123 75	169	69.86%	9.604 326	Tex2
243842	5360	157	66.98%	8.2256 57	76	43.77%	3.986 309	Gltscr1
228889	2592	157	91.05%	17.009 85	143	89%	15.51 041	Ddx27
52009	2606	157	81.58%	16.918 46	108	77.40%	11.65 122	Hn11
53881	10918	156	41.88%	4.0125 2	101	29.86%	2.600 761	Slc5a3
118445	2652	156	86.12%	16.519 12	137	80.09%	14.52 343	Klf16
232906	8393	156	49.39%	5.2196 7	125	38.70%	4.187 115	Grf1
22083	4317	156	80.38%	10.147 95	117	68.22%	7.619 49	Ctr9
19082	1680	156	85.24%	26.076 6	147	87.26%	24.59 972	Prkag1
gi 29789242 ref N M_024451.1	4080	156	79.22%	10.737 43	140	73.92%	9.646 949	-
394432	3294	156	28.69%	13.299 54	141	27.87%	12.03 421	Ugt1a7c
74533	4152	156	76.06%	10.551 23	121	63.10%	8.193 136	Gzf1
80748	2809	156	57.42%	15.595 83	153	44.78%	15.31 305	BC0040 04

11540	2534	156	79.60%	17.288 36	132	70.21%	14.64 5	Adora2a
50909	2762	156	53.15%	15.861 22	122	50.58%	12.41 819	C1ra
77006	1101	156	93.73%	39.789 91	158	93.01%	40.34 52	Ddrgk1
233863	6891	156	61.46%	6.3573 78	94	40.98%	3.835 021	Gtf3c1
78308	2095	156	92.36%	20.911 07	133	85.63%	17.84 801	Gpr108
22764	7012	155	45.46%	6.2076 25	132	39.96%	5.292 418	Zfx
gi 17933765 ref NM_080288.1	2186	155	66.51%	19.912 11	126	63.95%	16.20 476	-
76938	1583	155	80.35%	27.497 07	163	80.23%	28.94 868	Rbm17
80879	2493	155	86.72%	17.460 04	248	91.18%	27.96 736	Slc16a3
230073	4943	155	67.93%	8.8059 62	115	59.98%	6.540 777	Ddx58
59025	4185	155	47.77%	10.400 92	174	50.01%	11.68 896	Usp14
gi 19527197 ref NM_133978.1	994	155	86.82%	43.790 61	150	91.85%	42.42 55	-
94181	1904	155	85.14%	22.861 28	140	84.87%	20.67 203	Nans
gi 295390103 ref NR_033591.1	14357	155	5.41%	3.0318 22	131	5.22%	2.565 25	-
12266	5147	155	13.04%	8.4569 4	174	12.59%	9.504 236	C3
229542	1912	155	92.73%	22.765 62	75	82.43%	11.02 797	Gatad2b
214137	5133	155	68.79%	8.4800 06	112	61.97%	6.134 355	Arhgap2 9
22318	2164	155	90.20%	20.114 54	129	82.99%	16.75 925	Vamp2
107566	1930	155	87.77%	22.553 3	91	79.95%	13.25 581	Arl2bp
100978	3671	155	77.23%	11.857 22	106	60.61%	8.117 898	Nfx11
52076	2861	155	75.78%	15.214 22	133	73.93%	13.06 941	Tmem38 b
108679	1843	154	83.99%	23.465 57	182	89.91%	27.76 311	Cops8

108123	3496	154	77.15%	12.370 44	135	81.78%	10.85 637	Napg
76608	4582	154	65.56%	9.4384 64	91	50.46%	5.583 524	Hectd3
98417	3283	154	61.56%	13.173 03	177	56.87%	15.15 739	Cnih4
63953	2712	154	81.23%	15.946 55	131	78.21%	13.58 012	Dusp10
75580	7824	154	48.68%	5.5274 85	109	39.66%	3.916 695	Zbtb4
54609	3343	154	79.42%	12.936 6	118	76.04%	9.923 566	Ubqln2
59040	4260	154	62.39%	10.151 89	143	55.80%	9.437 317	Rhot1
22687	2984	154	68.87%	14.492 98	154	61.93%	14.50 922	Zfp259
225912	2597	154	81.17%	16.652 69	94	73.47%	10.17 602	Cybas3
74035	3750	153	71.41%	11.457 66	137	68.59%	10.27 097	Nol9
79201	3283	153	74.38%	13.087 49	144	71.31%	12.33 144	Tnfrsf23
224093	3075	153	80.23%	13.972 75	95	67.25%	8.685 616	Fam43a
98682	4770	153	71.72%	9.0075 93	166	64.51%	9.783 896	Mfsd6
68045	1510	153	50.66%	28.454 45	175	54.50%	32.58 241	2700060 E02Rik
58250	5532	153	63.58%	7.7668 51	84	41.76%	4.268 932	Chst11
231874	1786	153	90.59%	24.057 23	134	87.63%	21.09 335	Ccz1
22782	5230	153	61.76%	8.2153 38	78	44.76%	4.192 905	Slc30a1
230737	2350	153	64.55%	18.283 5	137	64.68%	16.38 984	Gnl2
101985	1764	153	87.59%	24.357 27	133	84.92%	21.19 704	AA9604 36
gi 142353670 ref N M_028207.2	1167	153	95.54%	36.817 67	111	95.03%	26.74 079	-
14252	2718	153	77.15%	15.808 03	168	80.35%	17.37 729	Flot2
67946	2454	153	81.09%	17.508 65	115	75.79%	13.17 484	Spata6

225523	4572	152	73.67%	9.3362 63	94	55.71%	5.780 212	Cep120
226414	2249	152	77.10%	18.979 72	126	76.92%	15.75 082	Dars
gi 149270002 ref X M_001475723.1	1825	152	49.10%	23.389 26	149	49.37%	22.95 332	-
75669	4884	152	68.43%	8.7398 43	110	57.29%	6.331 974	Pik3r4
52530	1004	152	86.16%	42.515 33	134	71.71%	37.52 262	Nhp2
236511	7065	152	53.60%	6.0418 11	102	45.34%	4.058 917	Eif2c1
gi 149241500 ref X M_001480717.1	3712	152	18.56%	11.499 3	197	20.96%	14.92 04	-
218035	3212	152	84.18%	13.289 35	130	76.28%	11.37 863	Vps41
67229	3431	152	85.81%	12.441 09	114	73.56%	9.341 277	Prpf18
231130	1966	152	90.34%	21.711 8	170	94.30%	24.31 014	Tnip2
70640	8643	152	49.54%	4.9387 24	99	33.32%	3.220 274	Dcp2
19981	601	152	40.27%	71.023 95	172	49.08%	80.45 927	Rpl37a
17999	5494	152	71.22%	7.7694 57	198	74.12%	10.13 208	Nedd4
78317	4959	152	72.55%	8.6076 62	188	70.64%	10.65 825	Ccdc88b
16548	1117	152	86.84%	38.214 32	285	87.91%	71.73 214	Khk
12257	871	152	92.54%	49.007 34	199	93.46%	64.23 283	Tspo
78455	6240	151	61.09%	6.7956 04	138	57.02%	6.217 512	Helz
gi 146149107 ref N M_133715.4	3512	151	73.09%	12.074 19	104	68.17%	8.325 32	-
67399	2636	151	68.97%	16.086 71	216	69.20%	23.03 724	Pdlim7
21991	1601	151	55.90%	26.486 3	139	58.21%	24.40 875	Tpi1
52705	4990	151	58.36%	8.4979 1	130	56.57%	7.324 28	Krr1
gi 118131183 ref N M_007575.2	5153	151	67.03%	8.2291 03	70	45.08%	3.819 091	-

26430	4391	151	70.76%	9.6571 55	97	58.12%	6.210 555	Parg
68837	5032	151	67.97%	8.4269 81	128	64.15%	7.151 406	Foxk2
14057	2811	151	83.74%	15.085 23	120	79.72%	12.00 169	Sfxn1
192285	6484	151	50.37%	6.5398 78	98	42.49%	4.249 181	Phf21a
217166	2627	151	79.14%	16.141 82	271	83.17%	29.00 223	Nr1d1
56443	1588	151	93.26%	26.703 13	134	92.88%	23.72 337	Arpc1a
68441	1653	151	76.89%	25.653 1	142	81.43%	24.15 114	Rraga
78334	5828	151	68.15%	7.2760 07	110	52.20%	5.306 342	Cdk19
107817	1688	151	82.64%	25.121 19	163	84.24%	27.14 796	Jmjd6
1E+08	5181	151	66.42%	8.1846 3	150	59%	8.139 539	BC0055 61
19231	1192	151	15.02%	35.574 3	141	14.77%	33.25 561	Ptma
66775	2089	151	90%	20.298 98	176	94.26%	23.68 625	Ptplad2
70767	2732	151	78.99%	15.521 44	141	76.76%	14.50 977	Prpf3
67382	5429	151	69.22%	7.8107 51	97	48.52%	5.023 125	Brd3
67544	5831	150	56.51%	7.2241 03	110	46.97%	5.303 612	Fam120b
67726	2608	150	79.26%	16.151 74	124	76%	13.36 707	Fam114a 2
74140	2516	150	77.50%	16.742 35	116	71.30%	12.96 192	Tm9sf1
67130	560	150	84.29%	75.220 97	150	90.54%	75.30 527	Ndufa6
76108	4174	150	72.74%	10.091 94	80	59.03%	5.388 398	Rap2a
212483	4356	150	70.80%	9.6702 81	101	51.31%	6.518 619	Fam193b
320808	5707	150	59.19%	7.3810 66	93	46.50%	4.581 389	Dcaf5
69816	928	150	91.81%	45.391 97	133	97.20%	40.29 265	2010001 M09Rik

66799	2354	150	70.39%	17.894 54	127	76.72%	15.16 769	Ube2w
70802	4096	150	62.21%	10.284 12	147	61.72%	10.08 973	Pwwp2a
gi 45504366 ref NM_206536.1	579	150	96.72%	72.752 58	184	97.58%	89.34 317	-
gi 196259836 ref NM_008292.3	2612	150	87.33%	16.127 01	164	89.43%	17.65 195	-
76482	2134	150	88.19%	19.739 34	134	80.97%	17.65 357	3110002 H16Rik
21856	1798	150	96.22%	23.428 11	101	85.76%	15.79 261	Timm44
79263	3085	150	81.20%	13.654 37	100	73.68%	9.113 117	Trim39
80289	3139	150	83.72%	13.419 48	130	77.54%	11.64 325	Lysmd3
67204	2513	150	45.92%	16.762 33	187	48.07%	20.92 046	Eif2s2
20807	4093	150	61.86%	10.291 66	144	63.96%	9.891 061	Srf
269180	5689	150	61.21%	7.4044 2	110	48.06%	5.435 993	Inpp4a
231672	4978	150	54.36%	8.4619 82	132	51.65%	7.454 889	Fbxw8
66549	3213	150	79.12%	13.110 41	118	68.44%	10.32 508	Aggf1
109151	11517	149	41.19%	3.6331 44	86	25.88%	2.099 332	Chd9
17387	2597	149	88.72%	16.112 02	105	78.71%	11.36 683	Mmp14
381820	2509	149	80.27%	16.677 13	119	76.25%	13.33 424	2700089 E24Rik
269389	1675	149	86.63%	24.980 85	160	90.27%	26.85 513	Tox2
70750	5582	149	55.48%	7.4960 44	125	55.86%	6.295 675	Kdsr
215751	1557	149	91.91%	26.874 07	104	89.34%	18.77 876	Ginm1
20399	3422	149	78.61%	12.227 62	109	70.25%	8.955 062	Sh2b1
26420	4682	149	59.16%	8.9369 76	121	60.98%	7.265 677	Mapk9
226844	4087	149	59.82%	10.238 05	130	62.81%	8.942 539	Mfsd7b

212528	2186	149	86.78%	19.141 32	138	85.50%	17.74 807	Trmt1
19070	2845	149	81.12%	14.707 53	159	83.90%	15.71 22	Mob4
109108	3411	149	73%	12.267 05	126	70.83%	10.38 511	Slc30a9
73288	5072	149	59.66%	8.2497 87	121	51.66%	6.706 999	Ccdc132
73910	3616	149	77.05%	11.571 6	128	67.84%	9.951 846	Arhgap1 8
15369	1274	149	64.84%	32.843 74	147	66.64%	32.43 919	Hmox2
433022	7352	149	51.50%	5.6913 66	119	37.64%	4.550 547	Plcxd2
gi 133892883 ref NM_134129.3	2073	148	87.70%	20.049 25	160	88.62%	21.69 915	-
gi 70794812 ref NM_021421.3	2437	148	84.82%	17.054 61	98	83.91%	11.30 558	-
50850	4696	148	68.10%	8.8505 31	147	66.42%	8.800 581	Spast
229700	3270	148	80.80%	12.710 12	150	76.57%	12.89 631	Rbm15
21807	4588	148	44.33%	9.0588 7	155	38.21%	9.497 962	Tsc22d1
433702	3167	148	80.64%	13.123 49	106	69.47%	9.409 79	Ncbp1
66615	2964	148	76.11%	14.022 3	115	72.03%	10.90 792	Atg4b
93683	4626	148	73.41%	8.9844 56	99	59.12%	6.016 608	Glce
70465	3553	148	63.38%	11.697 75	117	62.26%	9.257 906	Wdr77
67068	702	148	92.59%	59.205 26	168	94.02%	67.28 129	Dynlrb1
101358	4219	148	53.61%	9.8511 72	108	45.44%	7.196 749	Fbxl14
59044	1501	148	37.77%	27.689 6	143	37.11%	26.78 412	Rnf130
20115	961	148	16.96%	43.248 8	129	9.99%	37.73 883	Rps7
434223	7743	148	43.06%	5.3676 99	73	25.47%	2.650 548	Gm1966
71954	2436	148	83.21%	17.061 62	112	74.01%	12.92 596	Suds3

230787	2542	148	88.71%	16.350 16	78	70.46%	8.626 63	Themis2
65961	1610	148	93.98%	25.814 97	182	92.86%	31.78 101	Utp3
13429	3843	148	72.16%	10.815 01	148	67.84%	10.82 713	Dnm1
17000	2109	147	88.24%	19.573 86	112	86.53%	14.93 013	Ltbr
66869	3302	147	71.23%	12.501 9	124	74.83%	10.55 764	Zfp869
70683	8831	147	47.13%	4.6745 86	95	32.48%	3.024 376	Utp20
231600	3166	147	81.81%	13.038 94	122	77.76%	10.83 356	Chfr
237859	3114	147	57.61%	13.256 67	119	51.22%	10.74 362	Ccdc55
14083	4414	147	71.68%	9.3523 49	103	60.38%	6.560 35	Ptk2
229323	2225	147	73.84%	18.553 38	103	68.85%	13.01 456	Gpr171
59288	1532	147	92.49%	26.946	112	95.69%	20.55 329	Dctn5
78286	11332	147	44.72%	3.6428 94	140	36.41%	3.473 31	Nav2
246694	4828	147	65.43%	8.5503 87	133	57.27%	7.744 734	Hps5
107569	1687	147	79.49%	24.470 22	187	81.86%	31.16 367	Nt5c3
67426	4026	147	58.35%	10.253 67	113	52.01%	7.890 905	Adck3
67705	1269	147	79.35%	32.530 55	171	82.19%	37.88 407	1810058 I24Rik
15356	1416	147	94.63%	29.153 44	113	89.62%	22.43 558	Hmgcl
75914	5440	147	69.56%	7.5884 69	146	63.01%	7.545 292	Exoc6b
gi 39930476 ref N M_033144.1	4583	147	69.58%	9.0074 78	90	52.15%	5.520 962	-
74772	4327	147	34.02%	9.5403 9	123	31.99%	7.991 721	Atp13a2
13680	2580	146	64.84%	15.891 65	110	65.47%	11.98 657	Ddx19a
66989	2400	146	85.67%	17.083 52	105	73.58%	12.29 986	Kctd20

234847	2558	146	77.83%	16.028 32	95	71.85%	10.44 107	Spg7
98910	4824	146	69.36%	8.4992 63	104	56.34%	6.061 054	Usp6nl
55946	4424	146	46.93%	9.2677 32	118	39.92%	7.498 752	Ap3m1
gi 27734185 ref N M_173388.1	4389	146	75.44%	9.3416 37	94	60.86%	6.021 219	-
211228	1273	146	97.96%	32.207 73	172	97.96%	37.98 588	Lrrc25
56351	1954	146	42.68%	20.982 83	189	49.54%	27.19 314	Ptges3
11370	2158	146	88.04%	18.999 28	173	90.45%	22.53 807	Acadvl
gi 110556651 ref N M_017479.2	6925	146	54.61%	5.9206 42	80	36.55%	3.247 823	-
56717	8612	146	47.70%	4.7608 51	79	29.91%	2.578 963	Mtor
gi 116089307 ref N M_173048.2	3671	146	82.54%	11.168 74	115	70.91%	8.807 154	-
270163	11974	145	39.54%	3.4006 7	138	36.78%	3.240 126	Myo9a
319481	5168	145	65.36%	7.8791 83	138	63.78%	7.507 212	Wdr59
19411	2917	145	76.17%	13.959 42	141	69.04%	13.58 954	Rarg
15284	2171	145	86.92%	18.756 16	111	80.01%	14.37 425	Hlx
21355	2490	145	79.32%	16.353 26	134	78.31%	15.12 96	Tap2
99889	3023	145	78.83%	13.469 94	125	69.93%	11.62 503	Arfp1
70799	8125	145	49.55%	5.0116 45	94	35.67%	3.252 57	Cep192
70396	2362	145	88.61%	17.239 47	109	82.43%	12.97 385	Asnsd1
22791	2037	145	90.18%	19.989 99	135	86.06%	18.63 223	Dnajc2
30046	9977	145	46.79%	4.0813 49	55	22.41%	1.549 833	Zfp292
gi 9790226 ref NM _019773.1	1276	145	83.31%	31.911 93	129	82.29%	28.42 243	-
50723	2748	145	84.24%	14.817 91	153	81.99%	15.65 297	Icosl

21917	3776	145	36.49%	10.783 8	121	24.89%	9.008 977	Tmpo
230648	4320	145	66.25%	9.4258 38	120	64.42%	7.809 435	4732418 C07Rik
66827	1469	145	95.30%	27.719 28	180	95.23%	34.44 87	Ttc1
69587	3731	144	77.30%	10.838 59	102	65.99%	7.685 941	Pcgf3
73836	2138	144	83.21%	18.914 31	117	73.25%	15.38 51	Slc35b2
171580	3563	144	69.46%	11.349 65	111	57.42%	8.758 491	Mical1
56529	1113	144	94.16%	36.333 15	140	94.79%	35.36 348	Sec11a
242785	3895	144	74.66%	10.382 23	115	65.39%	8.300 658	Klhl21
228998	2852	144	73.42%	14.179 1	132	67.36%	13.01 207	Arfgap1
18103	777	144	58.30%	52.044 78	145	58.30%	52.46 493	Nme2
20191	16813	144	26.66%	2.4052 1	221	31.78%	3.695 466	Ryr2
52397	5700	144	59.37%	7.0945 25	80	38.89%	3.945 82	Zfp644
17217	3589	144	75.98%	11.267 43	112	69.02%	8.773 375	Mcm4
234736	4443	144	72.56%	9.1016 87	111	59.51%	7.023 746	Rfwd3
14369	4840	144	61.30%	8.3551 23	124	53.74%	7.202 752	Fzd7
78938	3557	144	64.01%	11.368 79	142	64.97%	11.22 346	Fbxo34
67440	2651	144	86.04%	15.254 17	114	76.08%	12.08 975	Mtpap
18750	8385	144	52.33%	4.8227 54	113	45.30%	3.788 763	Prkca
73728	3950	144	37.87%	10.237 67	213	39.04%	15.16 019	Psd
76499	6369	144	49.90%	6.3493 16	81	36.72%	3.575 493	Clasp2
13626	2060	144	74.85%	19.630 48	128	77.72%	17.46 887	Eed
13544	2953	144	83.51%	13.694 14	88	67.12%	8.378 019	Dvl3

gi 146149280 ref N M_145972.3	2716	144	80.30%	14.889 1	101	76.29%	10.45 475	-
13358	1695	144	89.03%	23.857 7	121	82.77%	20.06 956	Slc25a1
14700	1120	144	83.04%	36.106 07	152	90.80%	38.15 467	Gng10
67247	1883	143	62.72%	21.326 59	143	62.93%	21.35 049	Mosc2
17937	2593	143	78.79%	15.487 07	159	75.55%	17.23 918	Nab2
13591	2248	143	88.66%	17.863 87	99	83.23%	12.38 115	Ebf1
75869	3594	143	66.14%	11.173 61	168	76.99%	13.14 175	Arl5b
330723	2181	143	81.34%	18.412 64	138	82.12%	17.78 875	Htra4
74450	4266	143	68.92%	9.4134 95	88	45.34%	5.799 412	Pank2
78232	1272	143	80.50%	31.570 73	120	76.49%	26.52 261	Trappc6 b
20321	2546	143	59.58%	15.772 97	155	63.20%	17.11 573	Frrs1
15499	2018	143	95.04%	19.899 89	125	81.91%	17.41 45	Hsf1
gi 19527201 ref N M_133981.1	2584	143	86.34%	15.541 01	116	69.39%	12.62 082	-
100710	7311	143	54.42%	5.4928 15	85	37.60%	3.268 619	Pds5b
17764	7631	143	53.62%	5.2624 78	159	56.55%	5.857 844	Mtf1
73078	1596	143	90.60%	25.161 64	136	89.16%	23.95 676	Pmpcb
75613	2291	143	90%	17.528 58	125	81.10%	15.33 935	Med25
224938	4706	143	69.53%	8.5333 55	104	53.55%	6.213 031	Pja2
60365	2631	143	36.56%	15.263 39	149	51.92%	15.92 163	Rbm8a
76510	4688	143	35.81%	8.5661 2	135	28.43%	8.095 959	Trappc9
108686	9263	143	46.15%	4.3353 09	102	39.38%	3.095 784	Ccdc88a
56459	1871	143	87.39%	21.463 37	92	85.84%	13.82 408	Sae1

66492	2257	143	79.09%	17.792 63	150	79.71%	18.68 451	Zmat2
77591	3368	143	72.06%	11.923 39	131	66.51%	10.93 506	Ddx10
319965	3286	143	80.28%	12.220 93	95	67.22%	8.127 896	Cc2d1b
68364	4649	143	66.51%	8.6379 8	95	55.13%	5.744 949	0610030 E20Rik
19184	1277	142	98.36%	31.227 21	165	98.75%	36.32 58	Psmc5
93685	6050	142	52.07%	6.5912 64	158	54.64%	7.342 16	Entpd7
26394	1593	142	92.40%	25.032 73	148	90.40%	26.11 969	Lypla2
19124	1504	142	89.56%	26.514 06	124	90.29%	23.17 907	Procr
21376	1583	142	89.45%	25.190 87	128	80.48%	22.73 271	Tbrg1
353502	1243	142	66.29%	32.081 37	133	52.45%	30.08 172	Hcfc1r1
14547	2871	142	80.49%	13.889 64	95	65.48%	9.302 775	Gdap2
230815	4715	142	64.05%	8.4575 07	121	59.30%	7.214 825	Man1c1
70314	2539	142	81.61%	15.705 85	69	69.55%	7.640 266	Rabep2
228536	4428	142	68.54%	9.0056 79	115	64.32%	7.301 504	Bahd1
101861	3260	142	78.90%	12.232 25	73	59.94%	6.295 459	Ints4
66510	1397	142	85.83%	28.544 84	127	91.77%	25.55 815	Rnf181
94315	2090	142	89.57%	19.079 97	146	83.64%	19.63 942	Prcc
68675	4036	142	75.15%	9.8803 63	122	68.66%	8.498 275	Fam172a
108150	4363	142	70.23%	9.1398 45	133	67.43%	8.570 152	Galnt7
66286	770	142	99.35%	51.788 5	195	99.35%	71.19 771	Sec11c
338367	5353	142	64.41%	7.4494 95	107	58.36%	5.619 642	Myo1d
11836	2405	142	83.20%	16.580 93	116	84.24%	13.56 017	Araf

11813	667	141	90.55%	59.364 8	262	83.21%	110.4 327	Apoc2
gi 158517905 ref N M_026346.2	2722	141	81.59%	14.546 77	56	59.81%	5.783 917	-
20639	1230	141	77.15%	32.192 13	192	75.53%	43.88 522	Snrpb2
gi 142380546 ref N M_133992.2	4439	141	75.87%	8.9200 99	100	63.19%	6.333 401	-
gi 158508626 ref N M_012025.6	3030	141	70.30%	13.068 09	96	63.89%	8.907 395	-
227399	5565	141	59.77%	7.1152 42	82	34.65%	4.142 579	Ppip5k2
70285	1990	141	49.10%	19.897 65	129	45.03%	18.22 463	Rpf1
81000	9342	141	47.28%	4.2385 27	90	31.82%	2.708 475	Rad54l2
53332	4652	141	64.62%	8.5116 77	126	65.48%	7.614 703	Mtmr1
66663	2402	141	80.18%	16.484 73	131	79.02%	15.33 276	Uba5
16330	3826	141	70.75%	10.349 27	68	42.79%	4.996 732	Inpp5b
218294	5859	141	58.85%	6.7582 04	152	60.69%	7.293 604	Cdc14b
68166	5033	141	67.14%	7.8673 4	94	48.30%	5.250 771	Spire1
68098	1967	141	78.39%	20.130 31	89	68.02%	12.72 06	Rchyl1
223881	2203	141	72.72%	17.973 82	180	77.17%	22.97 101	Rnd1
69608	3881	141	79.72%	10.202 61	111	64.75%	8.040 841	Sec24d
gi 170671719 ref N M_023712.2	2701	141	77.16%	14.659 87	128	69.20%	13.32 317	-
114332	2607	141	90.33%	15.188 46	144	86.34%	15.52 9	Lyve1
52609	2893	140	88.80%	13.589 87	61	61.60%	5.927 936	Cbx7
23837	1215	140	97.37%	32.358 43	160	95.97%	37.02 251	Cfdp1
75841	4348	140	60.51%	9.0422 02	131	57.54%	8.470 399	Rnf139
239719	8295	140	49.93%	4.7396 62	79	31.67%	2.677 521	Mkl2

11766	2694	140	76.17%	14.593 72	89	61.80%	9.287 836	Ap1g2
223754	3248	140	82.45%	12.104 52	131	77.22%	11.33 907	Tbc1d22 a
22688	11407	140	35.50%	3.4466 11	81	24.95%	1.996 345	Zfp26
67967	3002	140	79.05%	13.096 43	94	70.72%	8.803 174	Pold3
216724	2657	140	85.51%	14.796 95	111	67.44%	11.74 501	Rufy1
68294	1903	140	90.07%	20.659 75	144	86.71%	21.27 384	Mfsd10
98685	2681	140	76.17%	14.664 49	93	70.94%	9.752 327	1190005 F20Rik
21945	2733	139	71.35%	14.282 72	122	62.28%	12.54 996	Dedd
17826	1229	139	85.92%	31.761 33	174	88.53%	39.80 334	Fam89b
12915	2530	139	79.37%	15.428 72	118	84.31%	13.11 244	Atf6b
210106	4017	139	69.33%	9.7173 69	107	66.67%	7.488 659	Papd7
67379	1828	139	81.95%	21.353 76	73	57.33%	11.22 713	Dedd2
218850	7581	139	49.76%	5.1490 13	103	40.15%	3.819 732	D14Abb 1e
72322	3709	139	75.06%	10.524 31	92	62.50%	6.973 537	Xpo5
26441	1096	139	64.87%	35.615 57	158	67.61%	40.52 926	Psma4
23997	1563	139	84.01%	24.974 2	145	82.60%	26.08 141	Psmd13
320661	6720	139	55.10%	5.8087 31	102	48.07%	4.267 298	D5Erd5 79e
17149	613	139	95.76%	63.678 09	148	96.74%	67.87 711	Magoh
104099	7001	139	50.29%	5.5755 85	111	44.77%	4.457 435	Itga9
68514	2310	139	86.80%	16.898 13	114	81.08%	13.87 442	Efha1
19188	906	139	67.99%	43.084 62	128	67.66%	39.71 951	Psme2
gi 149260595 ref X M_001474871.1	4850	139	26.72%	8.0483 86	182	29.18%	10.54 998	-

72461	2964	139	33.43%	13.169 59	135	33.64%	12.80 494	Prcp
67433	5764	139	22.28%	6.7721 5	117	16.08%	5.706 686	Ccdc127
277939	7813	139	48.59%	4.9961 18	61	28.52%	2.194 998	C2cd3
67488	2840	139	82.15%	13.744 6	106	70.67%	10.49 324	Calcoco1
22038	2141	139	45.31%	18.231 98	99	43.76%	12.99 992	Plscr1
234549	3190	139	74.73%	12.236 57	116	69.56%	10.22 326	Heatr3
219181	9416	139	49.46%	4.1455 68	97	35.82%	2.896 192	Akap11
76863	1201	139	95.17%	32.501 81	163	88.09%	38.15 634	Dcun1d5
330836	3730	138	79.22%	10.389 77	119	69.20%	8.969 335	Slc7a6
107823	7806	138	25.30%	4.9646 23	99	15.67%	3.565 568	Whsc1
109095	3016	138	65.12%	12.849 42	93	56.93%	8.669 094	Rbm15b
11739	1142	138	92.38%	33.935 07	136	93.78%	33.48 073	Slc25a4
54638	2274	138	78.41%	17.042 15	134	74.32%	16.56 672	Ccdc22
94275	2752	138	80.60%	14.082 07	129	77.80%	13.17 842	Maged1
114716	2872	138	82.63%	13.493 68	218	90.95%	21.33 999	Spred2
110379	1301	138	93.93%	29.787 74	131	89.85%	28.30 845	Sec13
26885	6805	138	52.89%	5.6949 07	95	42.97%	3.924 801	Casp8ap 2
106200	2977	138	77.63%	13.017 75	127	74.17%	11.99 353	Txndc11
gi 54027903 ref N M_032543.1	3945	138	77.95%	9.8235 35	106	61.14%	7.554 069	-
1E+08	2217	138	5.46%	17.480 31	115	3.25%	14.58 325	Gm2194
232947	2971	138	81.05%	13.044 04	106	68.43%	10.03 056	Ppp1r37
218693	4668	138	32.20%	8.3020 23	124	32.90%	7.468 149	Paip1

66073	1275	138	98.67%	30.395 17	122	95.84%	26.90 121	Txndc12
66262	4539	138	70.43%	8.5379 7	102	59.37%	6.317 745	Ing5
66865	3125	138	65.25%	12.401 23	93	63.58%	8.366 716	Pmpca
244418	4780	138	67.78%	8.1074 99	130	61.28%	7.646 058	D8Ert8 2e
211488	4456	138	72.96%	8.6970 03	97	58.89%	6.119 961	Ado
20887	1444	138	82.06%	26.837 84	212	82.62%	41.27 535	Sult1a1
gi 133892541 ref N M_021547.2	2054	138	88.07%	18.867 5	119	77.02%	16.28 803	-
74414	1796	138	93.82%	21.577 86	105	88.47%	16.43 634	Polr3c
57437	2031	137	50.62%	18.942 9	107	48.99%	14.81 14	Golga7
193796	4610	137	70.69%	8.3455 57	81	47.90%	4.939 764	Kdm4b
105440	3324	137	76.96%	11.574 31	108	64.29%	9.134 502	Kctd9
12807	4011	137	70.41%	9.5918 77	99	54.05%	6.939 124	Hps3
13806	1831	137	20.97%	21.012 03	150	20.59%	23.03 165	Eno1
56444	4022	137	44.73%	9.5656 44	168	49.93%	11.74 328	Actr10
55988	2427	137	86.28%	15.852 09	123	85.29%	14.24 812	Snx12
gi 118130526 ref N M_020005.3	4309	137	61.85%	8.9285 26	127	53.56%	8.286 084	-
360216	2127	137	92.57%	18.087 93	120	77.67%	15.86 119	Zranb1
232816	3544	137	75.71%	10.855 82	110	64.79%	8.726 118	Zfp628
70646	4597	137	65.24%	8.3691 58	124	61.65%	7.583 493	Naa30
18536	8398	137	37.33%	4.5812 12	78	26.57%	2.611 204	Pcm1
22290	5228	137	63.35%	7.3590 32	92	48.64%	4.947 37	Uty
gi 56699428 ref N M_016849.3	2041	137	77.07%	18.850 08	122	71.39%	16.80 502	-

56524	2222	137	74.30%	17.314 59	159	76.87%	20.11 755	Mpp6
19221	5786	137	62.65%	6.6493 29	141	53.63%	6.851 139	Ptgrn
109711	3739	136	74.97%	10.214 55	75	56.22%	5.639 335	Actn1
217109	2613	136	70.91%	14.616 22	113	64.68%	12.15 797	Utp18
57914	1371	136	52.08%	27.857 18	153	51.79%	31.37 445	Crif2
21427	1436	136	87.12%	26.596 24	116	84.89%	22.71 045	Vps72
16582	3431	136	73.54%	11.131 51	151	74.67%	12.37 309	Kifc3
229731	3383	136	74.70%	11.289 45	151	79.81%	12.54 865	Slc25a24
17283	2980	136	82.85%	12.816 17	123	76.21%	11.60 409	Men1
380711	6410	136	63.90%	5.9582 21	91	45.04%	3.991 218	Rap1gap 2
72049	1906	136	80.48%	20.037 88	83	69.88%	12.24 27	Tnfrsf13 c
gi 32469502 ref N M_181856.1	2465	136	82.11%	15.493 79	72	62.72%	8.211 787	-
103677	5817	136	66.15%	6.5656 17	127	53.62%	6.137 998	Smg6
21814	6074	136	56.83%	6.2878 16	83	36.55%	3.841 717	Tgfbr3
246154	3189	136	80.46%	11.976 23	164	79.08%	14.45 811	Vasn
26383	3586	136	74.82%	10.650 36	117	72.09%	9.172 711	Fto
18391	1591	136	85.92%	24.005 15	127	91.77%	22.44 17	Sigmar1
26428	4075	136	57.23%	9.3723 18	114	54.90%	7.865 011	Orc4
59004	1676	136	93.02%	22.787 71	129	92.96%	21.63 903	Pias4
76892	4434	136	59.20%	8.6134 86	118	56.59%	7.481 84	Rnft1
70381	4195	136	73.90%	9.1042 18	67	45.70%	4.490 192	Tecpr1
58521	2559	135	61.82%	14.814 92	158	62.99%	17.35 837	Eid1

225160	3855	135	43.37%	9.8343 37	129	44.82%	9.407 786	Thoc1
59015	5684	135	55.21%	6.6698 4	103	46.97%	5.094 543	Nup160
403187	2260	135	81.46%	16.774 94	173	88.41%	21.52 087	Opa3
11927	501	135	95.81%	75.671 4	112	94.01%	62.84 958	Atox1
58248	1889	135	69.03%	20.069 54	86	57.70%	12.79 937	1700123 O20Rik
226591	4395	135	39.82%	8.6260 23	94	32.10%	6.012 998	Tipr1
14084	4452	135	48.16%	8.5155 82	166	52.65%	10.48 275	Faf1
69228	3651	135	72.34%	10.383 83	100	58.64%	7.700 347	Zfp746
227059	5003	135	64.82%	7.5777 27	99	59.20%	5.563 227	Slc39a10
70078	1811	135	67.26%	20.933 94	135	63.28%	20.95 74	Nol7
70930	4242	135	65.06%	8.9371 45	92	56.20%	6.097 324	Nol8
gi 22122616 ref N M_146103.1	2134	135	80.65%	17.765 4	140	85.43%	18.44 403	-
22630	2110	135	27.25%	17.967 47	159	30.14%	21.18 541	Ywhaq
23808	2427	135	85.25%	15.620 67	108	77.92%	12.51 054	Ash2l
23877	2672	135	76.57%	14.188 39	174	83.57%	18.30 775	Fiz1
53380	1456	135	84.27%	26.038 03	109	81.80%	21.04 686	Psm10
66590	1846	135	91.77%	20.537 04	138	95.45%	21.01 694	Farsa
68192	2609	135	84.52%	14.531	116	82.52%	12.49 989	Lepr11
71997	2232	134	78.58%	16.859 56	145	87.50%	18.26 4	Smg9
69459	1382	134	91.68%	27.229 05	123	87.84%	25.02 184	Ubl7
57905	1620	134	94.88%	23.228 73	114	95.62%	19.78 39	Isy1
107029	2455	134	82%	15.328 12	88	79.63%	10.07 751	Me2

27374	2641	134	77.24%	14.248 6	80	63.92%	8.516 158	Prmt5
58185	3785	134	73.08%	9.9420 2	338	88.32%	25.10 573	Rsad2
227197	2936	134	79.60%	12.816 94	125	66.35%	11.96 95	Ndufs1
18796	5145	134	62%	7.3140 03	125	63.27%	6.830 41	Plcb2
22642	3415	134	73.50%	11.019 19	119	65.33%	9.796 668	Zbtb17
225791	3321	134	79.64%	11.331 09	113	71.18%	9.566 029	Zadh2
68183	1422	134	82.84%	26.463 11	129	88.05%	25.50 423	Bcas2
52013	3979	134	64.79%	9.4572 87	109	61.85%	7.701 489	D19Erd 386e
268980	3965	134	69.43%	9.4906 8	64	50.49%	4.537 942	Strn
320541	6333	134	56.62%	5.9419 78	93	39.43%	4.128 531	Slc35e2
56323	2327	134	86.16%	16.171 27	118	86.03%	14.25 633	Dnajb5
319944	5033	134	61.02%	7.4767 62	94	49.27%	5.250 771	Taf2
18824	870	134	79.43%	43.253 5	112	82.30%	36.19 269	Plp2
497652	1425	134	94.67%	26.407 4	145	94.81%	28.60 719	Acd
103284	2102	134	87.49%	17.902 26	110	76.88%	14.71 235	Zc3h10
216821	1511	134	74.12%	24.904 4	135	63.27%	25.11 837	Tmem11
67392	2637	134	75.39%	14.270 21	87	63.06%	9.275 37	4833420 G17Rik
23922	1103	133	97.19%	33.861 94	161	88.49%	41.03 67	Jtb
56724	1171	133	96.93%	31.895 58	122	96.24%	29.29 038	Cript
13595	1755	133	60.40%	21.281 89	126	60.11%	20.18 439	Ebp
218271	1636	133	90.10%	22.829 9	122	86.61%	20.96 518	B4galt7
17992	492	133	87.80%	75.914 07	166	96.75%	94.85 606	Ndufa4

11305	8061	133	47.92%	4.6333 85	101	36.98%	3.522 529	Abca2
27275	3974	133	39.13%	9.3985 2	121	39.28%	8.560 116	Nufip1
100763	5033	133	65.85%	7.4209 66	94	51.36%	5.250 771	Ube3c
66177	1939	133	50.70%	19.262 36	131	40.54%	18.99 396	Ubl5
54451	2560	133	78.44%	14.589 73	101	69.61%	11.09 184	Cpsf3
gi 31543484 ref N M_053187.2	4238	133	73.29%	8.8130 53	88	58.19%	5.837 728	-
18673	1815	133	83.91%	20.578 36	131	90.91%	20.29 162	Phb
102122	1812	133	84.55%	20.612 43	144	88.25%	22.34 222	Fam192a
225348	3281	133	74.70%	11.383 64	105	64.74%	8.997 155	Wdr36
209200	5181	133	62.46%	7.2089 79	90	48.79%	4.883 723	Dtx31
83945	2666	133	75.47%	14.009 65	84	69.35%	8.858 114	Dnaja3
66724	6381	133	54.51%	5.8532 71	91	40.86%	4.009 357	Tab3
16332	5012	132	67.54%	7.3960 29	63	38.59%	3.533 878	Inpp1
77975	2237	132	86.90%	16.570 81	93	78.27%	11.68 797	Tmem50 b
14245	5626	132	62.60%	6.5888 54	69	39.03%	3.448 034	Lpin1
14630	1470	132	79.25%	25.216 94	119	72.93%	22.75 892	Gclm
52538	1500	132	92.60%	24.712 6	117	92.53%	21.92 889	Acaa2
72020	4835	132	64.86%	7.6667 83	80	49.31%	4.651 742	Zfp654
668501	6702	132	52.91%	5.5310 2	77	38.41%	3.230 044	Zfp507
73251	7356	132	45.89%	5.0392 73	79	32.56%	3.019 308	Setd7
16151	6918	132	53.95%	5.3583 25	93	42.05%	3.779 414	Ikbkg
77626	4632	132	70.44%	8.0027 84	87	55.25%	5.280 473	Smpd4

19378	2264	132	81.67%	16.373 19	258	92.84%	32.03 8	Aldh1a2
81014	2683	132	20.83%	13.816 21	173	24.49%	18.12 79	Vmn1r5 8
116940	4389	132	68.95%	8.4458 64	120	62.25%	7.686 662	Tgs1
101490	4740	132	63.23%	7.8204 42	102	46.96%	6.049 841	Inpp5f
74734	4960	132	47.62%	7.4735 68	100	41.92%	5.668 138	Rhoh
234852	2188	132	79.11%	16.941 91	111	74.41%	14.26 257	Chmp1a
68842	9714	132	16.10%	3.8160 28	88	14.14%	2.546 869	Tulp4
381308	1651	132	20.35%	22.452 39	314	24.29%	53.46 932	Mnda
22230	1996	132	90.73%	18.571 59	136	89.83%	19.15 581	Ufd11
140484	7121	132	45.47%	5.2055 74	121	44.75%	4.777 124	Pofut1
50793	6313	132	50.45%	5.8718 35	85	36.05%	3.785 343	Orc3
26466	3851	132	72.42%	9.6257 84	71	51.16%	5.183 307	Zfp260
269338	4432	132	66.02%	8.3639 2	100	56.84%	6.343 404	Vps39
433771	2624	132	53.39%	14.126 87	154	40.24%	16.49 981	Minos1
21950	1230	131	91.14%	29.909	726	90.73%	165.9 41	Tnfsf9
245867	3542	131	76.17%	10.386 24	63	47.26%	5.000 508	Pcmt2
70296	3487	131	80.27%	10.550 06	110	70.17%	8.868 759	Tbc1d13
214585	7665	131	47.92%	4.7994 87	72	30.11%	2.640 842	Spg11
67680	1091	131	73.60%	33.719 59	142	73.60%	36.59 196	Sdhb
18541	9530	131	36.86%	3.8602 38	97	28.50%	2.861 547	Pcnt
16834	3060	131	66.76%	12.022 25	100	64.77%	9.187 571	Cog1
11428	4319	131	58.18%	8.5177 29	129	60.48%	8.397 086	Aco1

213452	6385	131	53.22%	5.7616 4	82	41.41%	3.610 564	Dstyk
72129	4122	131	51.82%	8.9248 11	123	51.50%	8.389 175	Pex13
66771	4437	131	68.51%	8.2912 04	97	54.41%	6.146 168	Gid4
19356	2856	131	72.48%	12.880 98	115	67.65%	11.32 04	Rad17
211446	4597	131	67.44%	8.0026 26	108	58.15%	6.604 978	Exoc3
230484	3567	131	58.73%	10.313 45	96	52.65%	7.566 416	Usp1
242362	4645	131	63.23%	7.9199 29	89	44.50%	5.386 745	Manea
21372	2302	131	91.14%	15.980 92	94	75.98%	11.48 007	Tbl1x
225115	7424	130	51.58%	4.9174 63	113	44.79%	4.279 2	Svil
74330	4229	130	51.34%	8.6325 95	93	42.04%	6.182 546	Dnajc14
101602	1918	130	86.55%	19.034 02	32	50.99%	4.690 547	AI46760 6
78514	3038	130	75.87%	12.016 87	138	77.06%	12.77 066	Arhgap1 0
23989	3427	130	74.91%	10.652 83	137	68.28%	11.23 902	Med24
216971	3884	130	76.36%	9.3993 94	93	66.61%	6.731 717	BC0176 47
64144	3627	130	69.29%	10.065 41	101	64.24%	7.828 813	Mllt1
217864	2725	130	83.12%	13.397 15	56	57.69%	5.777 549	Rcor1
12572	7612	130	31.78%	4.7960 12	88	24.24%	3.250 169	Cdk7
66905	2159	130	77.17%	16.909 33	113	77.12%	14.71 458	Plin3
73447	4248	130	61.72%	8.5939 84	104	59.89%	6.882 892	Wdr13
20084	524	130	18.32%	69.670 32	135	17.94%	72.43 102	Rps18
gi 158508720 ref NM_007915.4	2108	130	87.05%	17.318 43	97	88.38%	12.93 669	-
67116	1941	130	49.56%	18.808 47	135	53.99%	19.55 376	Cuedc2

66445	1194	130	90.03%	30.575 58	120	91.29%	28.25 524	Cycl
66074	10809	130	30.54%	3.3774 86	129	28.74%	3.355 261	Tmem16 7
66420	1022	129	95.60%	35.446 6	115	96.28%	31.63 509	Polr2e
26371	3075	129	69.01%	11.780 95	110	58.50%	10.05 703	Ciao1
668661	2001	129	64.62%	18.104 16	107	61.42%	15.03 346	2410002 F23Rik
gi 30519990 ref N M_178637.1	1542	129	89.49%	23.493 14	113	84.31%	20.60 232	-
16590	5205	129	60.67%	6.9599 27	13	12.05%	0.702 174	Kit
227656	2354	129	84.28%	15.389 3	96	79.69%	11.46 534	Rexo4
gi 27229172 ref N M_028751.2	2557	129	82.40%	14.167 55	95	75.64%	10.44 516	-
gi 146134896 ref N M_025338.3	793	129	92.81%	45.682 75	133	97.10%	47.15 205	-
214897	7183	129	56.88%	5.0433 55	83	41.46%	3.248 586	Csnk1g1
30934	2997	129	82.72%	12.087 56	113	75.51%	10.60 019	Tor1b
12709	1478	129	82.61%	24.510 43	152	86.74%	28.91 287	Ckb
63856	2779	129	76.54%	13.035 78	73	59.91%	7.385 101	Taf8
652925	988	129	81.88%	36.666 42	150	82.59%	42.68 315	4930420 K17Rik
gi 142363119 ref N M_026182.4	2807	129	77.63%	12.905 74	119	76.81%	11.91 864	-
21934	5022	128	62.05%	7.1576 25	86	47.27%	4.814 419	Tnfrsf11 a
68836	412	128	93.45%	87.246 59	152	97.33%	103.7 214	Mrpl52
76688	2596	128	64.48%	13.846 53	114	62.06%	12.34 589	Arfrp1
224092	2373	128	79.98%	15.147 74	152	85.63%	18.00 81	Lsg1
67973	2202	128	88.65%	16.324 07	107	77.57%	13.66 119	Mphosph 10
215335	5280	128	65.45%	6.8078 78	118	59.24%	6.283 045	Slc36a1

78523	1601	128	88.51%	22.451 96	137	91.44%	24.05 755	Mrpl9
77116	3141	128	70.90%	11.444	121	73.23%	10.83 028	Mtmr2
80795	1018	128	81.14%	35.310 01	165	87.43%	45.56 782	Selk
15183	2005	128	88.68%	17.927 98	86	70.12%	12.05 886	Hdac3
74370	6956	128	53.57%	5.1675 67	87	41.29%	3.516 267	Rptor
17192	1589	128	83.83%	22.621 52	108	68.60%	19.10 83	Mbd3
72098	2605	128	72.25%	13.798 69	107	68.75%	11.54 777	Tmem68
67602	2393	128	88.13%	15.021 14	78	64.27%	9.163 767	Necap1
52696	2676	128	69.99%	13.432 58	112	81.84%	11.76 668	Zwint
229782	4027	128	72.51%	8.9261 47	59	50.56%	4.119 007	Slc35a3
382038	5773	128	62.48%	6.2265 02	90	51.22%	4.382 915	Urb2
100317	4384	128	71.01%	8.1992 69	108	57.09%	6.925 886	AU0403 20
19079	2051	128	86.98%	17.525 89	111	84.01%	15.21 526	Prkab1
68832	2757	128	83.82%	13.037 94	100	79.36%	10.19 73	1110057 K04Rik
67220	1370	128	91.17%	26.237 66	93	81.46%	19.08 466	Plekho1
108909	3293	128	59.70%	10.915 76	105	52.51%	8.964 368	Aida
66877	3111	127	67.44%	11.464 09	98	55.51%	8.856 216	Crnk11
14218	10464	127	35.81%	3.4083 3	73	22.04%	1.961 315	Sh3pxd2 a
56274	2928	127	73.29%	12.180 59	135	73.67%	12.96 238	Stk3
229593	2846	127	82.71%	12.531 54	78	71.89%	7.705 163	Golph31
14300	1106	127	91.50%	32.246 63	110	88.52%	27.96 145	Frg1
26572	1583	127	90.08%	22.529 86	131	91.41%	23.26 551	Cops3

68770	4839	127	64.35%	7.3702 77	106	54.43%	6.158 463	Phtf2
20348	4956	127	55.13%	7.1962 81	105	55.31%	5.956 349	Sema3c
71949	2050	127	87.22%	17.397 45	121	81.61%	16.59 41	Lass5
11881	3989	127	68.64%	8.9407 8	140	70.89%	9.867 022	Arsb
104799	2552	127	83.62%	13.975 22	97	80.92%	10.68 595	Vipas39
70208	4946	127	62.45%	7.2108 31	59	39.83%	3.353 668	Med23
107652	2283	127	35.30%	15.621 89	190	35.30%	23.39 752	Uap1
67530	503	127	67.20%	70.904 12	190	69.78%	106.1 959	Uqcrb
53890	3586	127	72.62%	9.9455 58	106	68.77%	8.310 319	Sart3
68097	2476	127	79.73%	14.404 19	136	85.22%	15.44 224	Dynll2
100434	3102	127	61.77%	11.497 35	79	55.35%	7.159 908	Slc44a1
227634	7978	127	45.45%	4.4703 9	106	38.69%	3.735 373	Camsap1
66356	5397	127	61.92%	6.6082 58	113	58.22%	5.886 378	2310008 H09Rik
13007	1770	127	85.99%	20.149 59	79	80.68%	12.54 804	Csrp1
72162	4975	127	59.98%	7.1687 98	116	50.63%	6.555 216	Dhx36
319719	4811	127	58.80%	7.4131 72	132	59.24%	7.713 664	4732471 D19Rik
19047	2379	127	41.11%	14.991 5	123	39.30%	14.53 559	Ppp1cc
227446	5424	127	62.96%	6.5753 63	90	47.79%	4.664 928	2310035 C23Rik
15932	3391	126	71.16%	10.434 66	114	65.97%	9.451 466	Idua
16328	7979	126	43.80%	4.4346 34	98	35.68%	3.453 025	Cep250
320714	4338	126	72.41%	8.1567 42	93	57.08%	6.027 199	D030016 E14Rik
68219	1111	126	89.11%	31.848 74	93	80.92%	23.53 374	Nudt21

57320	920	126	88.70%	38.460 81	174	88.48%	53.17 207	Park7
20336	3723	126	71.66%	9.5041 49	78	62.37%	5.890 114	Exoc4
66191	1404	126	84.47%	25.202 24	135	86.97%	27.03 266	Ier3ip1
17196	4820	126	64.94%	7.3410 67	76	42.68%	4.432 908	Mbp
67111	2424	126	83.58%	14.597 34	99	76.11%	11.48 219	Naaa
56809	6581	126	50.36%	5.3766 82	107	43.29%	4.571 029	Gmeb1
240168	4728	126	65.78%	7.4839 14	106	61.23%	6.303 047	Rasgrp3
233046	4636	126	55.93%	7.6324 3	118	56.77%	7.155 841	Rasgrp4
12870	4564	126	54.86%	7.7528 36	230	67.16%	14.16 786	Cp
16897	4425	126	70.51%	7.9963 72	75	48.32%	4.765 079	Llgl1
68295	3590	126	63.09%	9.8562 52	109	61.67%	8.535 995	Aar2
66587	1840	126	91.74%	19.230 41	95	85.11%	14.51 536	Fastk
232944	2259	126	87.21%	15.663 54	87	82.65%	10.82 742	Mark4
106840	3643	126	78.56%	9.7128 59	124	68.98%	9.569 398	Unc119b
26569	4008	126	72.93%	8.8283 3	114	64.37%	7.996 487	Slc27a4
59022	678	126	85.69%	52.188 71	144	89.38%	59.71 108	Edf1
414801	3781	126	71.41%	9.3583 56	105	70.38%	7.807 37	Itrip1
28018	4831	125	60.46%	7.2662 22	89	52.78%	5.179 348	Ubfd1
19171	1270	125	83.78%	27.640 25	118	75.91%	26.12 164	Psmbl0
211660	4378	125	66.33%	8.0180 72	101	55.30%	6.485 862	Cspp1
18613	3305	125	72.34%	10.621 22	51	43.33%	4.338 312	Pecam1
231805	2588	125	46.29%	13.563 8	192	50.12%	20.85 735	Pilra

52846	3205	125	76.01%	10.952 61	104	69.14%	9.122 785	D1Bwg0 212e
13435	9735	125	43.05%	3.6058 68	66	24.92%	1.906 032	Dnmt3a
103213	2867	125	66.90%	12.243 85	109	63.97%	10.68 86	Traf3ip2
11306	5759	125	60.79%	6.0953 5	125	52.80%	6.102 181	Abcb7
252903	2892	125	44.81%	12.138 01	112	33.37%	10.88 784	Ap1s3
15531	6088	125	59.54%	5.7659 53	82	43.50%	3.786 704	Ndst1
67955	1951	125	66.22%	17.992 37	123	72.63%	17.72 434	Sugt1
20250	5453	125	60.81%	6.4373 96	44	24.94%	2.268 503	Scd2
23825	763	125	84.01%	46.006 71	116	82.57%	42.74 207	Banf1
170750	2424	125	86.88%	14.481 49	103	82.01%	11.94 612	Xpnpep1
56516	5390	125	49.78%	6.5126 38	100	54.92%	5.215 949	Rbms2
225887	963	125	92.83%	36.451 84	110	77.88%	32.11 356	Ndufs8
72590	2361	125	84.16%	14.867 9	118	87.42%	14.05 103	Ppme1
53612	1296	125	72.38%	27.085 74	122	70.37%	26.46 531	Vti1b
72826	3672	125	67.76%	9.5596 73	89	63.45%	6.814 115	Fam76b
270685	3743	125	55.25%	9.3783 38	89	39.49%	6.684 86	Mthfd11
52004	911	124	96.27%	38.224 25	119	92.97%	36.72 406	Cdk2ap2
234353	11334	124	37.44%	3.0723 75	101	34.07%	2.505 303	Psd3
56395	2177	124	86.63%	15.995 54	127	79.65%	16.40 089	Tmem11 5
21750	2664	124	67.64%	13.071 43	88	68.09%	9.286 896	Terf2
233204	2601	124	74.01%	13.388 04	83	61.78%	8.971 393	Tbc1d17
101502	1823	124	88.10%	19.101 64	122	86.34%	18.81 461	Hsd3b7

101869	3285	124	74.43%	10.600 39	112	67.70%	9.585 279	Unc45a
69597	3086	124	60.34%	11.283 96	119	64.94%	10.84 11	Afg3l2
215194	2625	124	59.50%	13.265 64	99	58.32%	10.60 298	Kri1
75687	4152	124	64.52%	8.3868 73	99	60.93%	6.703 475	Fam65a
225898	3194	124	78.55%	10.902 41	101	63.49%	8.890 14	Eml3
98952	4217	124	66.26%	8.2575 99	60	42.30%	4.000 09	Fam102a
230761	2882	124	74.57%	12.082 68	91	66.79%	8.877 068	Zfp362
14755	3084	124	74.12%	11.291 28	91	70.43%	8.295 626	Pigq
gi 149259581 ref X R_034093.1	6247	124	35.43%	5.5742 43	152	40.28%	6.840 6	-
28084	1112	124	80.40%	31.315 01	154	80.13%	38.93 481	Vps25
15270	1414	124	82.60%	24.626 8	132	86.78%	26.24 5	H2afx
242291	4636	124	58.93%	7.5112 8	102	56.60%	6.185 558	Impad1
13185	2419	124	73.71%	14.395 33	118	77.97%	13.71 413	Dscr3
23912	2143	124	82.50%	16.249 32	75	71.54%	9.839 232	Rhof
26611	2042	124	62.78%	17.053 03	114	72.92%	15.69 536	Rcn2
11632	1347	124	88.86%	25.851 74	127	88.12%	26.50 686	Aip
12048	2371	124	83.30%	14.686 75	114	84.23%	13.51 747	Bcl2l1
380713	2884	123	78.61%	11.976 93	60	63.45%	5.848 953	Scarf1
26894	1775	123	86.03%	19.459 98	68	69.58%	10.77 042	Cops7a
246196	2454	123	62.55%	14.075 58	99	54.52%	11.34 182	Zfp277
76952	4181	123	52.28%	8.2615 33	96	47.67%	6.455 252	Nt5c2
107869	1815	123	79.39%	19.031 11	134	89.86%	20.75 632	Cth

407819	1082	123	89.19%	31.923 72	129	88.08%	33.51 85	BC0311 81
230082	4522	123	71.45%	7.6385 38	114	66.52%	7.087 554	Nol6
66190	4058	123	58.06%	8.5119 44	156	67.62%	10.80 773	Acer3
72323	2129	123	86.33%	16.224 27	104	85.49%	13.73 345	Asb6
15944	2227	123	83.74%	15.510 31	135	79.12%	17.04 259	Irgm1
67832	2654	123	63.56%	13.014 87	128	56.52%	13.55 911	Brix1
432940	1491	123	79.34%	23.166 65	73	82.29%	13.76 472	Fam105b
74326	2725	123	67.82%	12.675 77	95	54.09%	9.801 199	Hrnpr
83410	3764	123	66.66%	9.1767 99	78	50.98%	5.825 955	Cstf2t
67542	2920	123	84.97%	11.829 27	87	66.23%	8.376 421	Cog6
240087	7372	123	48.35%	4.6854 95	47	25.20%	1.792 399	Mdc1
27367	1361	123	10.65%	25.379 48	111	11.54%	22.92 91	Rpl3
102334	2598	123	46.23%	13.295 41	56	21.05%	6.059 977	Ankrd10
19895	1789	123	75.35%	19.307 7	88	72.05%	13.82 912	Rpia
gi 149273797 ref X M_001477167.1	2530	123	16.92%	13.652 76	106	19.01%	11.77 897	-
68614	2579	123	80.92%	13.393 36	79	73.83%	8.611 878	Letmd1
209225	4584	123	64.90%	7.5352 25	99	58.31%	6.071 734	Zfp710
70661	6296	123	15.06%	5.4862 56	111	16.22%	4.956 56	Sik3
52685	2732	123	82.98%	12.643 29	135	85.69%	13.89 233	Cd300lg
213002	541	123	97.60%	63.847 45	157	99.26%	81.58 767	Ifitm6
94091	2266	123	79.17%	15.243 37	81	69.46%	10.04 956	Trim11
16909	1646	123	71.57%	20.985 1	109	76.73%	18.61 739	Lmo2

266690	2653	123	58.61%	13.019 78	102	55.41%	10.80 899	Cyb5r4
55982	5073	122	53.26%	6.7535 28	94	42.05%	5.209 369	Paxip1
18769	1148	122	86.50%	29.843 77	78	77.61%	19.10 182	Pkig
76959	1372	122	92.49%	24.971 32	110	86.59%	22.54 035	Chmp5
57247	4877	122	56.47%	7.0249 43	62	39.10%	3.574 054	Zfp276
18554	3834	122	60.41%	8.9360 06	87	59.65%	6.379 538	Pcsk7
74192	1271	122	89.69%	26.955 66	92	81.51%	20.35	Arpc5l
67210	2547	122	64.74%	13.451 37	152	65.49%	16.77 787	Gatad1
67143	4440	122	65.65%	7.7163 62	114	61.87%	7.218 451	Ikzf5
59126	3175	122	73.17%	10.790 75	105	69.48%	9.297 532	Nek6
56532	1980	122	81.41%	17.303 36	143	90.61%	20.30 453	Ripk3
231380	5101	122	59.52%	6.7164 57	75	43.93%	4.133 596	Uba6
gi 146149178 ref NM_134079.3	1701	122	89.30%	20.141 47	123	87.54%	20.32 932	-
gi 19111155 ref NM_133347.1	3903	122	70.38%	8.7780 29	86	52.88%	6.194 725	-
58202	2653	122	80.93%	12.913 93	91	62.87%	9.643 313	Cobra1
71947	4996	122	61.69%	6.8576 15	85	47.98%	4.783 201	2310067 B10Rik
16592	932	122	61.91%	36.760 35	144	59.33%	43.43 789	Fabp5
233912	3852	122	63.53%	8.8942 49	115	57.24%	8.393 318	Armc5
gi 110347401 ref NM_010066.3	5271	122	64.47%	6.4998 38	65	41.17%	3.466 909	-
105246	2494	122	82.68%	13.737 23	118	75.46%	13.30 172	Brd9
17688	4288	122	66.25%	7.9898 89	99	59%	6.490 864	Msh6
231915	3949	122	63.69%	8.6757 78	84	52.42%	5.980 18	Usp1l

gi 124486679 ref NM_008400.2	3892	121	72.05%	8.7306 84	55	48.28%	3.972 94	-
19777	3459	121	67.56%	9.8235 97	93	60.13%	7.558 829	C80913
22278	1822	121	89.41%	18.649 74	85	82.11%	13.11 574	Usf1
381695	8998	121	33.16%	3.7763 75	104	30.04%	3.249 447	N4bp212
76626	6505	121	53.05%	5.2236 46	99	46.59%	4.278 682	Msi2
219094	3876	121	73.12%	8.7667 24	61	54.88%	4.424 541	Khynyn
19106	4343	121	61.59%	7.8240 43	131	61.11%	8.480 151	Eif2ak2
20187	3267	121	68.17%	10.400 92	109	62.11%	9.379 927	Ryk
gi 6679824 ref NM_008035.1	1223	121	76.04%	27.783 99	74	70.73%	17.01 09	-
69668	1721	121	62.46%	19.744 23	98	48.58%	16.00 911	Ccdc115
18027	9528	121	41.62%	3.5663 12	307	58.41%	9.058 551	Nfia
66841	2281	121	82.07%	14.896 9	136	89.87%	16.76 238	Etfdh
72199	3965	121	64.89%	8.5699 42	84	53.87%	5.956 048	Mms19
24083	4159	121	59.37%	8.1701 9	75	50.28%	5.069 842	Gm1651 5
19265	853	121	97.19%	39.835 66	73	85.23%	24.06 002	Ptprcap
75620	1236	121	86.73%	27.491 76	111	85.84%	25.24 798	2810422 J05Rik
gi 37693504 ref NM_198127.1	5605	121	57.36%	6.0624 12	141	65.82%	7.072 38	-
237082	2484	121	73.51%	13.679 48	107	73.23%	12.11 028	Nxt2
382620	7179	120	48.92%	4.6941 07	59	30.17%	2.310 522	Tmed8
99526	4014	120	65.40%	8.3953 65	102	58.45%	7.144 057	Usp53
15468	2055	120	85.16%	16.398 54	75	77.91%	10.26 057	Prmt2
68813	10335	120	40.91%	3.2606 67	170	46.72%	4.624 455	Dock5

51902	5594	120	53.97%	6.0241 32	88	38.85%	4.422 648	Rnf24
23897	1117	120	50.49%	30.169 2	123	50.94%	30.95 808	Hax1
gi 19527263 ref NM_134048.1	1885	120	89.44%	17.877 45	114	85.09%	17.00 261	-
18002	602	120	97.51%	55.978 4	167	97.01%	77.99 057	Nedd8
26891	1771	120	88.20%	19.028 23	141	84.87%	22.38 323	Cops4
68944	4474	120	25.64%	7.5321 85	133	25.57%	8.357 527	Tmco1
18771	4460	120	68.12%	7.5558 29	104	52.60%	6.555 723	Pknox1
67976	2393	120	85.71%	14.082 32	75	76.35%	8.811 314	Trabd
gi 142367240 ref NM_010394.3	1345	120	25.06%	25.055 02	147	22.75%	30.72 679	-
67489	2914	120	73.20%	11.564 51	109	75.67%	10.51 621	Ap4b1
57377	2798	120	76.38%	12.043 96	87	64.37%	8.741 655	Mogs
231413	2749	120	75.85%	12.258 64	99	74.14%	10.12 471	Grsf1
12952	3035	120	75.82%	11.103 46	133	73.48%	12.32 012	Cry1
108723	4112	120	70.50%	8.1952 81	48	33.24%	3.281 786	Card11
233011	3260	120	70.74%	10.337 12	171	79.63%	14.74 69	Itpkc
117149	4749	120	64.18%	7.0960 19	112	60.50%	6.630 373	Tirap
107976	1410	120	81.06%	23.9	148	80.71%	29.50 969	Bre
66437	966	119	75.67%	34.594 38	131	87.47%	38.12 556	Fis1
16554	5603	119	55.72%	5.9643 35	59	33.84%	2.960 421	Kif13b
241322	4535	119	58.37%	7.3689 46	97	55.99%	6.013 351	Zbtb6
29869	5813	119	52.16%	5.7488 68	85	40.81%	4.110 936	Ulk2
234203	5107	119	18.15%	6.5436 01	125	16.49%	6.881 233	Zfp353

gi 253314407 ref NM_198170.3	10953	119	34.21%	3.0510 52	65	20.01%	1.668 408	-
17692	2320	119	84.05%	14.404 38	78	74.40%	9.452 109	Msl3
77582	2880	119	59.51%	11.603 53	116	58.65%	11.32 368	Mboat7
231868	2343	119	71.96%	14.262 98	82	71.83%	9.839 288	E130309 D02Rik
81630	2680	119	75.82%	12.469 47	98	72.46%	10.28 048	Zbtb22
67273	1222	119	92.14%	27.347 11	113	97.38%	25.99 737	Ndufa10
77938	5211	119	60.01%	6.4130 05	95	49.43%	5.125 363	Fam53b
68268	8751	119	45.37%	3.8187 83	97	36.73%	3.116 278	Zdhhc21
225280	2360	119	88.22%	14.160 24	103	73.43%	12.27 008	Ino80c
68969	917	119	93.68%	36.442 93	100	88.44%	30.65 863	Eif1b
75062	1710	119	91.11%	19.542 79	99	90.64%	16.27 651	Sf3a3
28113	1754	119	88.65%	19.052 55	86	79.53%	13.78 45	Tinf2
12140	762	119	95.93%	43.855 87	196	97.38%	72.31 414	Fabp7
380928	6123	119	54.68%	5.4578 1	61	37.42%	2.800 836	Lmo7
234686	3951	119	64.87%	8.4581 55	98	63.35%	6.973 345	Fhod1
11757	1445	119	86.57%	23.126 76	145	92.73%	28.21 125	Prdx3
24135	4731	119	51.22%	7.0636 59	96	42.63%	5.704 8	Zfp68
14313	2337	119	76.17%	14.299 6	94	76.17%	11.30 814	Fst
66887	2936	119	77.59%	11.382 21	91	69.45%	8.713 797	Lonp2
26384	2300	119	52.83%	14.529 64	104	52.87%	12.71 24	Gnpda1
gi 126723292 ref NM_001082476.1	4751	118	64.41%	6.9748 15	52	40.14%	3.077 092	-
668218	1635	118	81.71%	20.267 49	103	82.45%	17.71 094	Bin2

236792	4084	118	69.69%	8.1139 44	87	53.09%	5.989 018	Mmgt1
65111	4628	118	35.80%	7.1601 87	99	35.09%	6.014 007	Dap3
107513	9306	118	25.96%	3.5608 58	90	24.21%	2.718 952	Ssr1
18805	4987	118	60.64%	6.6447 45	101	55.32%	5.693 825	Pld1
66979	1694	118	74.91%	19.561 6	129	74.14%	21.40 91	Pole4
gi 38372906 ref NM_197982.2	1634	118	87.88%	20.279 89	95	84.94%	16.34 533	-
14154	6834	118	51.93%	4.8488 95	95	47.03%	3.908 146	Fem1a
52626	1880	118	83.30%	17.626 25	108	87.07%	16.15 058	Cdkn2aipnl
93730	3438	118	54.89%	9.6385 53	99	46.74%	8.095 645	Lztf11
21973	5217	118	56.47%	6.3518 01	117	57.18%	6.305 03	Top2a
67872	1484	118	73.85%	22.329 75	106	70.35%	20.08 14	Nsmce4a
233490	4961	118	55.19%	6.6795 7	100	54.34%	5.666 996	Crebzf
50931	2671	118	79.71%	12.406 34	89	74.35%	9.367 814	Il27ra
225326	3102	118	76.63%	10.682 57	92	66.67%	8.338 12	Pik3c3
76524	2136	118	84.22%	15.513 74	102	75.66%	13.42 521	Cln6
gi 146149235 ref NM_172284.4	6612	118	52.28%	5.0116 98	60	30.84%	2.551 177	-
52552	3088	118	72.77%	10.731 01	44	46.05%	4.005 876	Parp8
22368	2751	118	83.42%	12.045 56	65	59.72%	6.642 704	Trpv2
207932	7381	118	48.33%	4.4895 47	89	39.47%	3.389 978	Urb1
56294	4087	118	69.51%	8.1079 88	83	61.51%	5.709 467	Ptpn9
21887	5202	118	29.64%	6.3701 16	106	28.10%	5.728 721	Tle3
100017	2671	118	81.62%	12.406 34	109	78.77%	11.47 294	Ldlrap1

gi 148747503 ref N M_023844.4	1349	118	84.28%	24.564 38	45	68.57%	9.378 269	-
68966	1229	117	80.39%	26.734 35	116	79.50%	26.53 556	Ngdn
76800	5151	117	57.46%	6.3786 68	77	47.10%	4.202 631	Usp42
gi 146134413 ref N M_010589.5	3740	117	67.38%	8.7851 66	78	57.25%	5.863 341	-
328099	4010	117	63.52%	8.1936 46	82	51.02%	5.748 991	Prps113
104444	1075	117	88.93%	30.564 21	122	82.79%	31.90 608	Rexo2
66072	3116	117	61.30%	10.544 45	88	53.11%	7.939 759	Sdhaf2
70430	1807	117	76.76%	18.182 91	99	79.69%	15.40 278	Tbce
69957	2253	117	80.07%	14.583 45	95	79.23%	11.85 454	Cdc16
192173	1286	117	86.94%	25.549 39	92	82.66%	20.11 264	Fam195b
234463	2701	117	65.46%	12.164 58	84	60.72%	8.743 329	Tmem18 4c
227937	4642	117	61.72%	7.0780 96	130	62.09%	7.873 364	Pkp4
14772	3240	117	28.77%	10.140 9	129	28.55%	11.19 352	Grk4
108097	4278	117	73.68%	7.6803 46	142	68.89%	9.331 892	Prkab2
21885	4369	117	59.67%	7.5203 76	153	62.17%	9.845 358	Tle1
105348	3693	117	76.17%	8.8969 73	138	71.27%	10.50 563	Golm1
54387	6400	117	55.80%	5.1338 31	83	41.63%	3.646 03	Mcm3ap
217342	5192	117	61.77%	6.3282 98	76	46.63%	4.115 296	Ube2o
234678	2873	117	68.95%	11.436 31	69	59.59%	6.752 049	D230025 D16Rik
gi 149255582 ref X M_984731.2	452	117	85.40%	72.691 42	43	78.76%	26.74 559	-
66610	4038	117	39.65%	8.1368 3	102	42.35%	7.101 596	Abi3
58206	1783	117	84.07%	18.427 66	70	75.21%	11.03 745	Zbtb32

381410	3740	116	70.86%	8.7100 79	106	65.51%	7.968 129	Zfp408
20917	2279	116	83.19%	14.293 86	163	90.30%	20.10 784	Suclg2
70312	2724	116	74.16%	11.958 77	94	67.58%	9.701 589	Cactin
67943	4492	116	39.09%	7.2519 36	79	34.39%	4.944 353	Mesdc2
231287	6048	116	53.87%	5.3861 93	124	55.92%	5.764 107	Atp10d
93691	1344	116	90.25%	24.237 87	128	91.67%	26.77 521	Klf7
67177	2245	116	85.52%	14.510 33	77	80.85%	9.642 652	Cdt1
15000	786	116	67.56%	41.444 91	73	64.63%	26.11 094	H2-DMb 2
18969	2424	116	78.42%	13.438 82	92	71.62%	10.67 032	Pola2
57813	2400	116	84.88%	13.573 21	65	58.63%	7.614 199	Tk2
22327	1601	116	90.76%	20.347 09	121	82.76%	21.24 791	Vbp1
56456	1969	116	84%	16.544 28	82	72.27%	11.70 82	Act16a
1E+08	2177	116	5.79%	14.963 57	127	5.79%	16.40 089	Gm2326
68250	1253	116	82.76%	25.998 16	106	79.97%	23.78 356	Fam96a
67912	2756	116	72.24%	11.819 92	99	76.92%	10.09 899	1600012 H06Rik
70373	3947	116	70.08%	8.2532 8	79	56.37%	5.627 067	1700020 O03Rik
27426	2249	116	81.37%	14.484 52	117	75.41%	14.62 576	Nagpa
18176	4470	116	29.17%	7.2876 28	120	26.53%	7.547 373	Nras
gi 21703811 ref N M_145406.1	1942	116	81.93%	16.774 3	68	71.52%	9.844 231	-
20810	1328	116	86.67%	24.529 89	97	87.42%	20.53 505	Srm
66477	370	116	92.97%	88.042 42	158	88.38%	120.0 542	Usmg5
gi 94364769 ref X M_622868.3	2903	116	23.84%	11.221 39	126	27.11%	12.20 241	-

12764	1760	115	83.13%	18.349 36	103	85.34%	16.45 306	Cmas
68991	1478	115	64.07%	21.850 39	122	73.07%	23.20 639	Ssu72
68988	3143	115	66.56%	10.275 17	76	55.52%	6.798 159	Prpf31
23984	7717	115	48.79%	4.1849	63	31.31%	2.295 166	Pde10a
gi 146198650 ref N M_172615.3	5237	115	58.45%	6.1666 74	63	32.19%	3.382 051	-
20813	790	115	88.86%	40.879 58	123	82.41%	43.77 238	Srp14
210105	4993	115	57.18%	6.4680 29	117	60.10%	6.587 891	Zfp719
gi 149266278 ref X M_001473941.1	9690	115	25.43%	3.3328 04	91	21.84%	2.640 218	-
217410	4198	115	62.60%	7.6929 18	72	52.55%	4.821 833	Trib2
269470	3440	115	73.90%	9.3880 44	101	67.24%	8.254 391	Wdr3
67533	4893	115	35.01%	6.6002 19	146	29.20%	8.388 798	Ppfibp1
57267	2124	115	84.93%	15.204 74	130	83.43%	17.20 723	Apba3
53861	2616	115	83.94%	12.345 13	117	89.07%	12.57 391	Zranb2
56224	3172	115	74.84%	10.181 23	119	73.71%	10.54 717	Tspan5
67184	1266	115	36.41%	25.509 38	130	36.97%	28.86 9	Ndufa13
15439	1365	115	86.45%	23.659 25	183	89.74%	37.69 125	Hp
381668	4737	115	59.17%	6.8175 79	133	63.88%	7.893 514	Fbrs11
76763	2015	115	85.16%	16.027 23	86	73.50%	11.99 901	Mospd2
109778	1394	115	78.19%	23.167 05	104	78.41%	20.97 455	Blvra
21871	3037	115	79.03%	10.633 81	59	50.21%	5.461 719	Atp6v0a 2
239393	4064	115	65.58%	7.9465 73	109	59.50%	7.540 409	Lrp12
67065	2049	114	85.46%	15.624 23	142	87.07%	19.48 357	Polr3d

240752	7929	114	42.49%	4.0375 89	42	19.75%	1.489 2	Pik3c2b
78926	3986	114	26.57%	8.0316 22	87	28.70%	6.136 265	Gas211
gi 118130356 ref N M_027296.2	2207	114	63.84%	14.505 68	151	71.68%	19.23 52	-
68979	3168	114	69.32%	10.105 44	120	76.20%	10.64 923	NoI11
18515	2801	114	67.33%	11.429 51	82	63.08%	8.230 436	Pbx2
71778	3422	114	58.33%	9.3553 61	86	60.78%	7.065 462	Klhl5
18570	1524	114	61.29%	21.006 59	112	69.49%	20.66 118	Pdcd6
72053	2096	114	83.25%	15.273 88	83	78.24%	11.13 292	Tmub2
66645	2375	114	75.33%	13.479 6	121	84.46%	14.32 333	Pspc1
18073	6046	114	41.91%	5.2950 79	60	27.34%	2.790 007	Nid1
76983	2091	114	82.31%	15.310 4	100	80.20%	13.44 523	Scfd1
gi 48976071 ref N M_030253.2	3565	114	67.94%	8.9800 97	112	60.65%	8.832 438	-
107476	9054	114	25.10%	3.5359 01	64	19.42%	1.987 292	Acaca
gi 42490750 ref N M_021604.2	6866	114	45.28%	4.6626 92	110	42.09%	4.504 131	-
114896	4288	114	60.52%	7.4659 62	98	60.70%	6.425 3	Afg311
52348	6379	114	39.16%	5.0186 62	87	38.88%	3.834 324	Vps37a
50755	3539	114	69.79%	9.0460 71	73	59.28%	5.799 151	Fbxo18
gi 146198662 ref N M_172903.3	4022	114	66.26%	7.9597 33	55	43.39%	3.844 525	-
20524	1667	114	94%	19.204 59	137	94.42%	23.10 506	Slc25a17
gi 22122422 ref N M_145978.1	1550	114	89.81%	20.654 22	90	87.42%	16.32 424	-
20818	2991	114	71.82%	10.703 46	108	70.08%	10.15 148	Srprb
64136	1118	114	88.55%	28.635 1	120	83.63%	30.17 599	Sdf211

108012	3204	113	59.93%	9.9042 51	101	60.24%	8.862 393	Ap1s2
110168	1334	113	93.10%	23.788 02	94	83.88%	19.81 044	Gpr18
68251	1592	113	79.77%	19.932 93	111	84.23%	19.60 207	Babam1
15159	2383	113	79.44%	13.316 5	76	69.87%	8.966 267	Hccs
15361	2004	113	26.60%	15.834 94	149	29.49%	20.90 31	Hmga1
98985	1830	113	82.79%	17.340 56	95	80.66%	14.59 468	Clp1
233781	3070	113	79.02%	10.336 55	57	53.71%	5.219 857	Xylt1
269473	7134	113	45.33%	4.4481 67	89	40.72%	3.507 349	Lrig2
102058	7427	113	44.86%	4.2726 84	51	26.94%	1.930 54	Exoc8
209361	4821	113	58.51%	6.5822 9	139	64.43%	8.105 873	Taf3
209018	5032	113	62.24%	6.3062 84	110	54.53%	6.145 74	Vps8
66642	2731	113	61.92%	11.619 63	112	63.42%	11.52 971	Ctnnb1
223753	4562	113	23.02%	6.9559 89	77	19.31%	4.745 233	Cerk
56214	1802	113	86.51%	17.61	78	81.08%	12.16 92	Scamp4
52717	1329	113	92.78%	23.877 52	95	86.53%	20.09 651	Anapc16
17219	2901	113	76.01%	10.938 72	96	68.87%	9.303 484	Mcm6
215705	1731	113	84.52%	18.332 31	85	81.34%	13.80 524	Arrdc1
235036	1671	113	86%	18.990 56	101	82.47%	16.99 288	Ppan
76789	2256	112	78.37%	13.941 66	71	72.47%	8.847 924	Mzt1
68653	1673	112	93.48%	18.8	114	89.96%	19.15 716	Samm50
66975	3563	112	64.30%	8.8275 04	71	53.94%	5.602 278	2410002 O22Rik
56360	1548	112	83.66%	20.318 09	115	90.05%	20.88 57	Acot9

54601	3162	112	78.43%	9.9469 94	62	51.96%	5.512 542	Foxo4
1E+08	3046	112	63.59%	10.325 8	73	45.54%	6.737 753	5430417 L22Rik
52202	3445	112	65.57%	9.1298 68	118	62.67%	9.629 747	Rbm34
104718	3458	112	68.13%	9.0955 45	89	62.29%	7.235 81	Ttc7b
76804	4271	112	66.75%	7.3641 76	80	53.38%	5.266 02	Kdm4c
14712	2984	112	69.17%	10.540 35	96	62.40%	9.044 708	Gnpat
18605	3224	112	79.93%	9.7557 06	91	64.45%	7.935 394	Enpp1
74352	5711	112	50.97%	5.5073 36	110	56.14%	5.415 052	Zfp84
11630	7416	112	41.56%	4.2411 54	78	33.87%	2.956 971	Aim1
66235	926	112	97.84%	33.965 87	123	94.28%	37.34 361	Eif1ax
56455	2037	112	36.23%	15.440 55	118	33.82%	16.28 595	Dynl1l
218460	3063	112	75.68%	10.268 49	90	62.13%	8.260 715	Wdr41
53859	4173	112	64.17%	7.5371 19	106	61.95%	7.141 338	Map3k1 4
66482	4277	112	63.36%	7.3538 45	92	57.89%	6.047 428	Exoc2
68767	2904	112	64.29%	10.830 71	83	55.61%	8.035 328	Wash
270201	4573	111	63.98%	6.8164 38	74	43.41%	4.549 384	Klh18
77056	3322	111	76.22%	9.3833 75	87	55.96%	7.362 779	Tmco4
18537	1917	111	76.94%	16.260 6	128	72.30%	18.77 198	Pcmt1
20623	4860	111	56.44%	6.4139 03	114	59.03%	6.594 634	Snrk
242736	3882	111	64.99%	8.0297 71	83	57.83%	6.010 972	Pramef8
67788	1583	111	31.71%	19.691 45	148	33.10%	26.28 469	Sfr1
224907	2321	111	88.50%	13.430 23	82	74.45%	9.932 552	Dus3l

231821	2418	111	78.25%	12.891 47	136	85.77%	15.81 265	Adap1
140810	11152	111	37.13%	2.7951 55	73	25.66%	1.840 315	Ttbk2
69256	5487	111	57.12%	5.6809 86	78	44.23%	3.996 518	Zfp397
269951	1718	111	80.91%	18.144 1	124	85.16%	20.29 18	Idh2
66163	1312	111	74.77%	23.758 82	104	69.89%	22.28 546	Mrpl4
98956	3856	111	72.85%	8.0839 14	79	58.53%	5.759 863	Nat10
57376	2961	111	34.65%	10.527 38	95	35.02%	9.020 016	Smarce1
22003	1702	111	76.73%	18.314 67	63	63.92%	10.40 646	Tpm1
213498	5617	111	53.12%	5.5495 05	91	48.69%	4.554 693	Arhgef1 1
17995	1572	111	91.16%	19.829 24	102	91.22%	18.24 189	Ndufv1
218441	5451	111	58.37%	5.7185 05	51	29.99%	2.630 366	Zfyve16
20688	5770	111	55.48%	5.4023 52	77	39.88%	3.751 777	Sp4
50758	17001	111	19.23%	1.8335 14	91	17.14%	1.504 836	Fbxl17
263406	4955	111	58.85%	6.2909 33	82	45.99%	4.652 564	Plekhg3
23797	4735	111	59.77%	6.5832 25	118	60.08%	7.006 226	Akt3
21981	4355	111	62.71%	7.1576 51	90	54.28%	5.810 004	Ppp1r13 b
gi 31980956 ref NM_024211.2	1652	111	81.23%	18.868 99	98	89.83%	16.67 778	-
20916	2108	111	71.49%	14.787 27	110	76%	14.67 048	Sucla2
15182	2004	111	81.39%	15.554 68	100	70.11%	14.02 893	Hdac2
78255	7019	111	50.31%	4.4410 27	50	28.38%	2.002 705	Ralgps2
13557	5106	111	52.66%	6.1048 9	82	43.50%	4.514 973	E2f3
218442	5393	110	56.48%	5.7279 34	75	43.98%	3.909 786	Serinc5

84035	4943	110	62.94%	6.2493 92	77	51.97%	4.379 477	Kremen1
66059	516	110	95.93%	59.865 79	79	84.11%	43.04 27	Krtcap2
225020	1911	110	81%	16.164 7	71	73.05%	10.44 527	Fez2
20055	633	110	15.96%	48.800 55	130	26.07%	57.73 8	Rps16
20266	1568	110	75.38%	19.700 73	123	80.99%	22.05 369	Scn1b
17095	1818	110	69.36%	16.991 61	73	59.90%	11.28 889	Lyl1
209683	10780	110	35.14%	2.8655 61	142	37.67%	3.703 324	Ttc28
20130	946	110	90.49%	32.654 07	155	91.75%	46.06 411	Rras
66999	4568	110	28.11%	6.7624 22	100	26.73%	6.154 546	Med28
217305	2440	110	28.73%	12.660 14	103	28.40%	11.86 778	Cd300ld
gi 110347530 ref NM_145124.2	3883	110	66.57%	7.9553 81	78	54.21%	5.647 41	-
66249	1578	110	86.95%	19.575 88	91	88.47%	16.21 274	Pno1
103694	1645	110	86.08%	18.778 57	88	83.65%	15.03 969	Tmed4
80292	5172	110	38.67%	5.9726 89	112	41.96%	6.088 098	Zxdc
27801	4887	110	53.26%	6.3210 04	82	42.21%	4.717 301	Zdhhc8
14251	1694	110	87.54%	18.235 39	130	88.19%	21.57 506	Flot1
66874	6284	109	38.96%	4.8710 89	95	30.28%	4.250 202	1200014 J11Rik
70804	3022	109	53.94%	10.129 03	105	55.26%	9.768 254	Pgrmc2
69259	2457	109	76.31%	12.458 25	88	77.17%	10.06 931	Kctd5
20643	508	109	91.54%	60.255 75	117	90.35%	64.75 067	Snrpe
230793	6602	109	48.26%	4.6364 62	88	44%	3.747 393	Ahdc1
76799	772	109	85.62%	39.650 16	96	98.96%	34.96 037	Tmem23 4

66155	964	109	94.40%	31.753 03	111	91.60%	32.37 189	Ufc1
gi 14389422 ref N M_016741.1	2512	109	77.51%	12.185 48	122	82.76%	13.65 408	-
53970	4189	109	62.90%	7.3072 14	69	46.43%	4.630 851	Rfx5
216860	5203	109	60.10%	5.8831 29	68	44.99%	3.674 322	Neur14
20042	535	109	11.59%	57.214 81	112	11.59%	58.85 541	Rps12
107568	5070	109	54.95%	6.0374 6	75	45.46%	4.158 871	Wwp1
67610	3849	109	63.21%	7.9526 94	72	53.68%	5.259 043	Rspry1
57753	3977	109	63.69%	7.6967 36	100	57.25%	7.069 139	Noc31
13872	2673	109	75.61%	11.451 52	81	71.16%	8.519 384	Ercc3
321007	5630	109	52.42%	5.4369 31	109	52.02%	5.443 024	Serac1
212163	3418	109	65.71%	8.9555 06	92	67.20%	7.567 247	8030462 N17Rik
gi 146149189 ref N M_134125.3	2016	109	80.75%	15.183 49	102	79.51%	14.22 433	-
94220	4582	109	62.24%	6.6804 72	119	59.01%	7.301 532	Cnm4
26390	6954	109	46.74%	4.4017 72	82	37.13%	3.315 135	Mapkbp 1
gi 149249850 ref X R_035668.1	4702	109	9.59%	6.5099 79	111	10.38%	6.636 857	-
18733	2728	109	25.22%	11.220 65	130	28.08%	13.39 742	Lilrb3
232910	798	109	97.62%	38.358 3	116	98.12%	40.86 742	Ap2s1
102141	3067	109	80.93%	9.9804 11	94	69.19%	8.616 605	Snx25
68961	1644	109	79.38%	18.619 17	99	77.49%	16.92 994	Phkg2
28105	4556	108	59.75%	6.6569 57	61	47.89%	3.764 161	Trim36
235587	2633	108	71.02%	11.518 84	89	74.90%	9.503 012	Parp3
105171	4102	108	64.94%	7.3937 34	52	41.10%	3.563 935	Arrdc3

72656	4676	108	47.20%	6.4861 2	71	38.20%	4.268 802	Ints8
24100	1829	108	81.03%	16.582 34	70	71.51%	10.75 986	Tpra1
70616	2287	108	89.02%	13.261 52	95	77%	11.67 83	Sugp1
59052	1850	108	73.51%	16.394 11	88	65.14%	13.37 313	Mettl9
231050	2541	108	75.32%	11.935 89	83	73.48%	9.183 232	Galnt11
213464	3632	108	75.25%	8.3505 22	61	51.79%	4.721 784	Rbbp5
29813	2320	108	80.47%	13.072 89	112	79.70%	13.57 226	Zfp385a
103711	2048	108	79.49%	14.809 13	73	68.70%	10.02 109	Pnpo
74375	4138	108	65.06%	7.3294 09	102	61.09%	6.929 977	Gcc1
56275	2809	108	81.38%	10.797 11	113	83.91%	11.30 964	Rbm14
70052	5237	108	54.55%	5.7913 11	69	41.13%	3.704 151	Prpf4
14468	2820	108	58.40%	10.755	165	67.06%	16.44 966	Gbp1
67391	3261	108	51.30%	9.3005 51	114	57.41%	9.828 249	Fundc2
268656	2601	108	78.74%	11.660 55	85	74.82%	9.187 571	Sptlc1
268973	3838	108	70.40%	7.9023 18	82	62.22%	6.006 632	Nlrc4
53317	1771	108	91.87%	17.125 41	111	93.05%	17.62 084	Plrg1
264064	2586	108	60.56%	11.728 19	85	59.32%	9.240 863	Cdk8
gi 133892449 ref NM_201256.3	741	108	75.30%	40.929 95	112	73.55%	42.49 344	-
70998	4385	108	67.25%	6.9165 56	78	54.21%	5.000 888	Phf6
66270	3164	108	73.51%	9.5856 81	96	59.86%	8.530 154	Fam134b
98710	2005	108	87.18%	15.126 73	79	78.05%	11.07 732	Rabif
30935	3268	108	61.23%	9.2806 29	116	60.10%	9.979 254	Tor3a

107094	4344	107	61.14%	6.9171 89	52	38.35%	3.365 392	Rrp12
52513	3287	107	57.99%	9.1415 49	80	45.39%	6.842 462	Ddx56
231452	5020	107	46%	5.9857 11	111	51.71%	6.216 435	Sdad1
67991	6893	107	45.54%	4.3592 44	95	43.09%	3.874 694	Nacc2
66290	1109	107	56.99%	27.094 92	118	57.80%	29.91 387	Atp6v1g 1
329506	4545	107	53%	6.6112 81	66	41.36%	4.082 556	Ctdspl2
77113	3040	107	77.01%	9.8843	85	67.20%	7.860 813	Klhl2
53608	4333	107	58.48%	6.9347 5	202	72.84%	13.10 644	Map3k6
142682	6476	107	49.54%	4.6399 43	87	45.20%	3.776 892	Zcchc14
102436	3881	107	32.78%	7.7424 04	34	16.83%	2.462 96	Lars2
66622	3247	107	69.02%	9.2541 64	66	62.64%	5.714 573	Ubr7
56812	3067	107	71.73%	9.7972 84	103	62.63%	9.441 599	Dnajb2
99650	1613	107	78.49%	18.628 81	80	68.69%	13.94 369	4933434 E20Rik
gi 149264789 ref XR_031725.1	977	107	77.28%	30.755 65	118	70.42%	33.95 546	-
76681	1553	107	61.30%	19.348 53	70	56.54%	12.67 21	Trim12a
19024	3850	107	45.95%	7.8047 46	80	42.70%	5.841 863	Ppfbp2
217379	2511	107	73.44%	11.966 66	68	58.06%	7.613 499	Ubxn2a
320770	5410	107	52.92%	5.5542 09	150	57.34%	7.795	A630072 M18Rik
320150	4563	107	59.54%	6.5852 01	82	54%	5.052 258	Zdhc17
14368	4090	107	67.85%	7.3467 66	49	36.50%	3.368 177	Fzd6
20615	1916	107	69.83%	15.682 81	94	68.16%	13.79 286	Snapin
68299	2816	107	78.48%	10.670 55	81	61.33%	8.086 759	Vps53

68718	1783	107	82%	16.852 65	90	82.56%	14.19 101	Rnf166
228410	2852	107	68.90%	10.535 86	107	72.93%	10.54 767	Cstf3
12458	1769	106	77.90%	16.827 27	39	60.32%	6.198 104	Ccr6
69072	2960	106	49.22%	10.056 57	90	42.47%	8.548 165	Ebna1bp 2
66988	2267	106	74.68%	13.130 77	92	79%	11.40 928	Lap3
269999	1996	106	83.57%	14.913 55	71	77.51%	10.00 046	Orai3
97484	2134	106	73.76%	13.949 13	74	70.71%	9.748 985	Cog8
gi 118131142 ref NM_007869.2	1788	106	89.15%	16.648 46	85	81.60%	13.36 514	-
238673	3490	106	63.98%	8.5293 54	94	59.74%	7.572 243	Zfp367
382867	4318	106	10.86%	6.8938 04	131	7.53%	8.529 249	Zfp488
252966	2945	106	69.58%	10.107 79	70	54.19%	6.682 437	Cables2
28081	2635	106	65.24%	11.296 94	95	63.42%	10.13 597	D11Wsu 99e
gi 118130853 ref NM_013726.2	2292	106	77.57%	12.987 54	72	70.94%	8.831 612	-
108911	3790	106	25.59%	7.8542 07	94	24.38%	6.972 857	Rcc2
104943	2684	106	40.69%	11.090 7	17	23.36%	1.780 691	Fam110c
11907	4727	106	61.39%	6.2973 23	78	50.03%	4.639 072	Atel
11793	2352	106	77%	12.656 23	84	78.23%	10.04 07	Atg5
76793	2344	106	83.06%	12.699 42	93	76.62%	11.15 443	Snip1
17991	529	106	92.06%	56.271 16	127	90.55%	67.49 478	Ndufa2
243853	2817	106	68.73%	10.567 07	103	71.28%	10.27 951	Fkrp
101994	4016	106	63.22%	7.4122 13	66	51.92%	4.620 323	Zfp828
226090	5394	106	51.69%	5.5186 22	100	44.83%	5.212 081	Ermp1

76497	1696	106	74.17%	17.551 56	115	76.89%	19.06 313	Ppp1r11
54667	5705	106	54.13%	5.2177 82	53	29.71%	2.611 815	Atp8b2
13481	877	105	97.49%	33.622 14	108	92.47%	34.62 153	Dpm2
433864	3542	105	65.56%	8.3248 51	107	66.29%	8.492 926	Nom1
73674	2612	105	85.57%	11.288 91	92	70.21%	9.902 316	Wdr75
54607	3210	105	52.65%	9.1858 63	82	47.73%	7.181 761	Socs6
19712	4266	105	71.54%	6.9120 07	73	52.93%	4.810 876	Rest
219158	3705	105	64.40%	7.9586 02	58	46.13%	4.401 107	2610301 G19Rik
67894	2366	105	81.02%	12.462 65	69	63.52%	8.198 917	Fam45a
69080	1528	105	90.90%	19.297 53	117	83.97%	21.52 706	Gmppa
68275	3121	105	66.68%	9.4478 12	79	59.56%	7.116 32	Rpa1
56451	1407	105	83.08%	20.957 09	88	79.53%	17.58 372	Suclg1
18181	3587	105	65.77%	8.2204 13	86	58.66%	6.740 455	Nrf1
12156	2540	105	79.69%	11.608 91	160	87.48%	17.70 958	Bmp2
73137	4801	105	57.76%	6.1417 67	74	37.80%	4.333 334	Prrc1
11920	11964	105	29.86%	2.4646 12	49	15.99%	1.151 441	Atm
67422	3110	105	76.91%	9.4812 29	89	67.17%	8.045 476	Dhdds
71918	4375	105	60.18%	6.7397 99	94	54.74%	6.040 486	Zcchc24
16184	4428	105	61.18%	6.6591 29	81	49.62%	5.142 799	Il2ra
211948	3551	105	64.97%	8.3037 51	133	69.95%	10.52 987	Pde12
gi 118130684 ref NM_023871.3	1852	105	33.80%	15.921 5	94	32.94%	14.26 951	-
100604	2829	105	71.93%	10.422 98	75	65.82%	7.453 331	Lrrc8c

67126	419	105	89.02%	70.373 8	122	86.87%	81.85 928	Atp5e
74158	3394	105	51.03%	8.6878 67	76	50.29%	6.295 408	Josd1
234825	2083	105	84.59%	14.155 84	69	73.60%	9.312 836	Klhdc4
16010	2069	105	79.22%	14.251 63	69	65.68%	9.375 851	Igfbp4
76332	2839	105	74.78%	10.386 27	91	69.36%	9.011 521	Cog2
105847	2906	105	73.61%	10.146 81	108	71.61%	10.44 841	Lmf2
69008	3037	105	77.84%	9.7091 28	96	73.56%	8.886 865	Cab391
19280	6874	105	46.77%	4.2895 87	68	31.64%	2.781 131	Ptprs
103724	1929	105	85.43%	15.285 96	128	88.49%	18.65 52	Tbc1d10 a
78887	4025	105	57.76%	7.3258 69	68	39.45%	4.749 689	Sfi1
69091	6890	105	43.58%	4.2796 26	82	36.27%	3.345 929	Vps26b
209011	1715	104	89.10%	17.029 62	129	92.77%	21.14 695	Sirt7
70470	3320	104	71.20%	8.7969 27	79	51.57%	6.689 769	Rprd1b
57874	2738	104	75.20%	10.666 84	115	67.42%	11.80 828	Ptplad1
246696	1569	104	75.14%	18.614 27	141	80.18%	25.26 494	Slc25a28
67897	5018	104	50.28%	5.8202 06	101	52.37%	5.658 65	Rnmt
112405	3524	104	64.53%	8.2876 83	107	63%	8.536 306	Egln1
gi 27754068 ref N M_026407.2	2065	104	78.98%	14.143 24	126	86.49%	17.15 428	-
235469	4374	104	59.58%	6.6771 37	48	34.71%	3.085 209	Zfp280d
320080	5970	104	56.80%	4.8920 93	70	35.85%	3.296 445	Zbtb39
224045	2556	104	74.57%	11.426 37	106	74.22%	11.65 916	Eif2b5
18806	3801	104	69.09%	7.6837 14	87	59.06%	6.434 925	Pld2

233805	5637	104	52.44%	5.1810 89	70	44.15%	3.491 179	Dcun1d3
217340	4655	104	62.79%	6.2740 7	60	42.66%	3.623 712	Rnf157
211329	5134	104	61.20%	5.6887 02	91	45.40%	4.983 192	Ncoa7
14702	3826	104	63.20%	7.6335 07	43	41.45%	3.159 698	Gng2
50783	953	104	79.33%	30.646 17	116	83.21%	34.22 057	Lsm4
66875	3668	104	66.77%	7.9623 22	89	62.32%	6.821 546	Swt1
27886	2836	104	73.10%	10.298 24	84	63.72%	8.327 127	Dgcr14
56805	5122	104	52.32%	5.7020 3	92	45.53%	5.049 756	Zbtb33
13871	3547	104	63.86%	8.2339 43	88	59.83%	6.974 99	Ercc2
208144	4235	104	58.49%	6.8962 92	51	39.79%	3.385 625	Dhx37
103136	2579	104	77.98%	11.324 47	88	70.03%	9.592 978	Pwp1
gi 116292181 ref NM_007922.4	3540	104	69.77%	8.2502 25	83	60.42%	6.591 693	-
76509	1846	103	71.02%	15.669	200	79.79%	30.45 933	1600029 D21Rik
68889	2168	103	77.72%	13.341 78	99	76.75%	12.83 802	Ubac2
76630	1978	103	78.77%	14.623 34	70	61.17%	9.949 331	Stambpl 1
64934	2911	103	40.26%	9.9364 38	93	40.40%	8.981 789	Pes1
52150	4089	103	68.01%	7.0738 5	71	46.69%	4.881 613	Kcnk6
74775	2167	103	80.16%	13.347 93	75	66.91%	9.730 261	Lmbr11
12566	2432	103	70.23%	11.893 49	60	56.66%	6.936 011	Cdk2
74106	3306	103	73.74%	8.7492 35	73	56.44%	6.207 863	Dcaf6
245857	2728	103	75.40%	10.603	81	60.78%	8.347 622	Ssh3
74778	1965	103	53.23%	14.720 09	92	49.01%	13.16 277	Rrp7a

319675	7380	103	43.20%	3.9193 73	57	28.40%	2.171 404	5830418 K08Rik
241311	6602	103	49.42%	4.3812 44	80	35.76%	3.406 721	Zbtb34
gi 124486842 ref NM_001081354.1	3352	103	72.08%	8.6291 68	109	79.59%	9.142 071	-
228769	3542	103	54.38%	8.1662 82	71	47.29%	5.635 493	Psmf1
102607	5541	103	50.73%	5.2201 72	54	28.91%	2.739 856	Snx19
319740	5636	103	52.24%	5.1321 81	77	42.71%	3.840 978	Zfyve27
12445	2131	103	63.26%	13.573 43	92	63.63%	12.13 742	Ccnd3
78266	4632	103	62.07%	6.2445 97	82	43.80%	4.976 997	Zfp687
gi 149268622 ref XR_033816.1	2934	103	61.76%	9.8585 45	82	55.11%	7.857 346	-
226744	4568	103	61.41%	6.3320 87	85	50.39%	5.231 364	Cnst
20304	579	103	89.64%	49.956 77	161	89.64%	78.17 528	Ccl5
22594	2155	103	78.05%	13.422 26	89	71.55%	11.61 087	Xrcc1
110639	3638	103	69.90%	7.9507 89	69	55.88%	5.332 226	Prps2
103199	3278	103	69.68%	8.8239 69	90	64.67%	7.718 905	Fig4
233210	6879	103	45.66%	4.2048 22	34	20.82%	1.389 555	Prr12
269682	4833	103	57.23%	5.9848 9	64	44.69%	3.722 934	Golga3
628308	4664	103	21.31%	6.2017 52	73	17.26%	4.400 342	Gm1442 0
11364	1845	102	81.36%	15.525 28	81	76.42%	12.34 272	Acadm
12238	881	102	95.57%	32.513 22	107	98.64%	34.14 523	Comm3
58523	2789	102	78.56%	10.270 4	74	59.88%	7.459 425	Elp2
109305	1871	102	75.09%	15.309 54	93	66.01%	13.97 434	Orai1
66863	3108	102	70.91%	9.2162 63	64	59.91%	5.789 234	Lztr1

69551	3317	102	68.62%	8.6355 58	76	58.82%	6.441 548	2310022 B05Rik
53330	2532	102	58.18%	11.312 85	79	54.38%	8.771 735	Vamp4
94223	4226	102	62.90%	6.7780 75	63	48.18%	4.191 15	Dgcr8
100910	3730	102	60.29%	7.6793 96	86	55.20%	6.482 04	Chpf2
71683	2198	102	82.39%	13.031 91	55	66.29%	7.034 887	Gypc
107829	2235	102	81.97%	12.816 17	83	74.27%	10.44 053	Thoc5
13494	1524	102	85.56%	18.795 37	89	83.33%	16.41 826	Drg1
84113	1897	102	81.66%	15.099 71	94	78.07%	13.93 101	Ptov1
21951	6444	102	52.79%	4.4450 88	61	37.14%	2.661 316	Tnks
19057	1948	102	77.10%	14.704 39	82	65.81%	11.83 442	Ppp3cc
56698	1893	102	64.71%	15.131 61	129	70.52%	19.15 849	Phax
18744	2700	102	73.26%	10.608 94	76	61.52%	7.913 561	Pja1
20935	2593	102	80.14%	11.046 72	93	79.83%	10.08 33	Surf6
227210	2940	102	41.50%	9.7429 07	135	41.12%	12.90 947	Ccnyl1
210982	6579	102	45.43%	4.3538 75	54	32.60%	2.307 576	BC0322 03
52874	3462	102	57.13%	8.2738 72	67	39.77%	5.440 889	D19Bwg 1357e
102339	2754	102	79.30%	10.400 92	91	66.59%	9.289 655	Cog4
23874	2132	102	75.28%	13.435 34	87	69.28%	11.47 24	Farsb
83560	4776	102	55.84%	5.9975 18	85	44.30%	5.003 533	Tex14
15500	2623	102	71.33%	10.920 38	106	72.70%	11.36 134	Hsf2
244879	7347	102	43.79%	3.8987 54	81	36.12%	3.099 539	Npat
19727	3682	102	58.64%	7.7795 07	78	53.78%	5.955 702	Rfxank

gi 30725846 ref N M_180588.1	1323	102	80.73%	21.650 9	102	94.78%	21.67 517	-
99696	4915	102	52.66%	5.8279 04	89	47.63%	5.090 83	Ankrd50
69155	2572	102	57.43%	11.136 92	131	61.70%	14.31 932	1810030 O07Rik
13990	5098	102	50.86%	5.6187 03	66	38.74%	3.639 705	Smarcad 1
67534	4341	102	66.11%	6.5985 13	69	43.40%	4.468 702	Ttl4
18747	2293	102	71.04%	12.492	96	72.66%	11.77 035	Prkaca
27397	6712	102	30.38%	4.2676 02	79	23.41%	3.309 004	Mrpl17
224617	7946	102	38.25%	3.6048 51	65	28.84%	2.299 783	Tbc1d24
269614	2598	101	71.71%	10.917 37	67	56.43%	7.250 33	Pank4
223696	1024	101	79.69%	27.698 56	118	77.54%	32.39 695	Tomm22
19277	6634	101	32.76%	4.2754 48	82	26.03%	3.475 046	Ptpro
12772	3589	101	65.17%	7.9028 48	41	43.13%	3.211 682	Ccr2
225164	3793	101	55.52%	7.4778 07	49	42.31%	3.631 912	Mib1
217431	3004	101	68.94%	9.4418 51	96	64.88%	8.984 49	Nol10
68501	2745	101	26.08%	10.332 72	99	31.51%	10.13 946	Nsmce2
28075	2945	101	66.93%	9.6310 09	103	67.33%	9.832 728	Desi1
73067	1140	101	82.37%	24.880 11	90	85.44%	22.19 524	Tmem19 2
80385	1661	101	81.82%	17.076 05	77	81.16%	13.03 296	Tusc2
22704	4637	101	57.49%	6.1167 4	88	44.77%	5.335 409	Zfp46
69748	2586	101	76.45%	10.968 03	77	60.56%	8.371 135	Aldh16a 1
270086	5329	101	52.94%	5.3224 47	85	51.25%	4.484 307	Ogfod1
171212	4725	101	60.15%	6.0028 19	93	60.78%	5.533 543	Galnt10

59010	1995	101	67.57%	14.217 2	129	76.19%	18.17 896	Sqrdl
27027	1697	101	77.61%	16.713 8	62	71.48%	10.27 145	Tspan32
63913	3956	101	65.37%	7.1696 97	58	45.20%	4.121 866	Fam129a
66407	959	101	85.71%	29.575 93	99	82.38%	29.02 276	Mrps15
gi 47059160 ref N M_199311.1	1582	101	90.83%	17.928 77	108	93.05%	19.19 285	-
53333	1669	101	78.37%	16.994 2	68	69.26%	11.45 446	Tomm40
12409	1021	101	93.73%	27.779 94	84	83.84%	23.13	Cbr2
66536	1507	101	76.84%	18.821 05	88	79.69%	16.41 691	Nipsnap 3b
231871	3257	101	73.56%	8.7084 19	103	67.95%	8.890 815	Daglb
78689	2646	101	71.32%	10.719 32	80	68.97%	8.500 065	Naa35
gi 112181184 ref N M_007829.3	2527	101	69.92%	11.224 11	104	75.43%	11.57 045	-
230233	6160	101	47.52%	4.6044 35	60	26.20%	2.738 373	Ikbkap
17713	3338	101	38.47%	8.4971	121	47.99%	10.19 11	Grpe11
19342	1170	101	88.55%	24.242 15	104	93.42%	24.99 019	Rab4b
212123	2312	101	82.53%	12.267 87	73	68.25%	8.876 815	Dcaf15
68565	864	100	95.02%	32.502 89	119	97.80%	38.72 178	Mrps18a
58235	5079	100	51.41%	5.5291 39	80	48.71%	4.428 268	Pvr11
230279	3630	100	63.06%	7.7362 25	74	49.50%	5.731 222	6330416 G13Rik
67781	1973	100	73.29%	14.233 4	98	72.88%	13.96 436	Ilf2
70925	3494	100	63.97%	8.0373 49	69	47.25%	5.551 985	Cdkn2ai p
66218	651	100	98.92%	43.137 48	122	98.16%	52.68 67	Ndufb9
20744	16348	100	22.16%	1.7177 94	57	13%	0.980 24	Strbp

gi 198278500 ref NM_027879.1	2094	100	87.11%	13.410 93	66	72.16%	8.861 135	-
67763	1868	100	87.63%	15.033 46	110	84.58%	16.55 533	Prpsap1
226139	4798	100	51.81%	5.8529 59	108	45.02%	6.328 279	Cox15
329777	4885	100	52.08%	5.7487 2	93	51.93%	5.352 301	Pigk
66309	1085	100	80.46%	25.882 49	107	90.78%	27.72 529	Tmem12 8
215210	1278	100	88.34%	21.973 78	120	94.13%	26.39 809	Tmem12 0a
19360	5153	100	55.50%	5.4497 37	82	44.58%	4.473 792	Rad50
67179	2228	100	80.48%	12.604 35	75	77.42%	9.463 858	Ccdc25
68032	975	100	85.33%	28.802 56	84	84.72%	24.22 126	Emc4
105513	2706	100	76.72%	10.377 86	89	71.40%	9.246 648	Chmp7
237107	4877	100	56.63%	5.7581 5	83	51.22%	4.784 62	Gnl3l
80910	1611	100	91.68%	17.431 72	219	95.72%	38.21 824	Gpr84
666183	2325	100	32%	12.078 49	91	30.11%	11.00 375	Gm7968
74747	1685	100	87.48%	16.666 17	121	83.50%	20.18 866	Ddit4
75420	2913	100	76.14%	9.6404 04	52	51.01%	5.018 628	Secisbp2
56424	1672	100	56.52%	16.795 75	76	52.81%	12.77 908	Stub1
26427	2284	100	84.33%	12.295 31	114	78.72%	14.03 236	Creb3l1
gi 146135063 ref NM_026270.3	1578	100	79.21%	17.796 26	71	78.96%	12.64 95	-
66866	3934	100	62.84%	7.1384 08	84	53.58%	6.002 982	Nhlrc2
68203	4348	100	63.66%	6.4587 16	39	38.41%	2.521 722	Diras2
19729	1031	100	86.52%	27.238 11	86	89.72%	23.45 103	Slc50a1
52864	5709	100	51.06%	4.9189 87	59	33.47%	2.905 455	Slx4

66867	3562	100	64.54%	7.8839 12	86	58.79%	6.787 763	Hmg20a
16188	1394	99	88.52%	19.943 81	83	89.74%	16.73 931	Il3ra
56468	4460	99	57.33%	6.2335 59	97	58.70%	6.114 472	Socs5
67895	1292	99	93.96%	21.518 32	84	84.06%	18.27 843	Ppa1
66586	1939	99	69.31%	14.338 15	119	70.96%	17.25 406	Crls1
66990	1517	99	82.79%	18.326 74	91	76.60%	16.86 467	Tmem13 4
70012	3878	99	66.94%	7.1690 75	87	61.40%	6.307 156	Ccdc21
269424	5584	99	49.91%	4.9788 09	46	28.24%	2.315 979	Phf17
68212	808	99	97.28%	34.408 01	151	91.71%	52.53 971	Tmbim4
107071	1220	99	94.02%	22.788 26	97	88.20%	22.35 291	Wdr74
gi 133892380 ref NM_029759.3	1836	99	84.97%	15.142 52	104	93.14%	15.92 512	-
226122	1527	99	87.75%	18.206 73	130	93.52%	23.93 461	Ubt1
17216	3381	99	68.38%	8.2229 14	60	50.40%	4.989 169	Mcm2
20286	5958	99	45.87%	4.6662 76	100	45.20%	4.718 692	Zc3h7b
50529	1354	99	83.31%	20.532 99	67	73.12%	13.91 164	Mrps7
235493	4355	99	56.76%	6.3838 51	48	34.19%	3.098 669	BC0313 53
66201	1343	99	91.29%	20.701 17	102	82.50%	21.35 238	Vta1
214764	5338	99	56.73%	5.2082 56	54	35.24%	2.844 051	2700050 L05Rik
67898	1551	99	87.30%	17.925	76	79.30%	13.77 602	Pef1
75734	1920	99	63.65%	14.480 04	84	57.34%	12.29 986	Mff
110842	1464	99	68.17%	18.990 21	90	63.87%	17.28 318	Etfa
242406	5868	99	52.01%	4.7378 44	68	38.60%	3.257 924	Rgp1

20841	3013	99	75.24%	9.2272 39	102	77.63%	9.517 506	Zfp143
72672	6840	99	47.82%	4.0645 72	49	27.75%	2.014 012	Zfp518a
71371	4494	99	29.62%	6.1863 98	59	25.06%	3.690 975	Arid5b
gi 133892201 ref NM_021295.2	4270	99	43.21%	6.5109 3	104	45.43%	6.847 43	-
66089	1946	99	81.04%	14.286 57	67	59.40%	9.679 526	Rmnd5b
67811	1951	99	74.78%	14.249 96	84	84.73%	12.10 442	Poldip2
216080	1448	99	89.64%	19.200 05	75	82.18%	14.56 179	Ube2d1
109077	3294	99	69.55%	8.4400 95	89	63.39%	7.596 062	Ints5
14151	2901	99	70.04%	9.5834 79	87	61.12%	8.431 283	Fech
13807	2656	99	68.41%	10.467 5	64	57.19%	6.774 45	Eno2
381629	1006	99	86.98%	27.635 86	108	95.43%	30.18 199	Atraid
68479	1648	99	52.18%	16.869 95	103	51.46%	17.57 123	Phf5a
13495	1713	98	84.35%	16.065 88	73	90.13%	11.98 085	Drg2
19769	2538	98	52.09%	10.843 52	88	54.93%	9.747 947	Rit1
232784	2722	98	75.53%	10.110 52	55	57.83%	5.680 632	Zfp212
78830	2924	98	72.40%	9.4120 54	102	75.68%	9.807 197	Slc25a12
68911	2911	98	66.06%	9.4540 87	93	72.31%	8.981 789	Pygo2
268566	3316	98	71.83%	8.2994 11	86	58.50%	7.291 318	Gphn
76737	1364	98	84.60%	20.176 57	98	78.37%	20.19 918	Creld2
22376	2094	98	43.46%	13.142 72	85	40.88%	11.41 207	Was
68473	3171	98	71.93%	8.6789 17	67	61.31%	5.940 195	Mob1b
14782	2692	98	42.90%	10.223 2	108	43.31%	11.27 901	Gsr

68140	3007	98	80.41%	9.1522 6	69	59.76%	6.451 16	Tigd2
52123	3829	98	46.96%	7.1874 76	73	47.14%	5.359 936	Agpat5
19009	4575	98	61.33%	6.0154 86	47	32.26%	2.888 211	Pou6f1
382030	1832	98	84.12%	15.022 3	102	80.24%	15.65 297	Tmem18 8
70110	1360	98	88.38%	20.235 92	81	85.44%	16.74 435	Ifi35
218832	4683	98	62.01%	5.8767 56	73	48.05%	4.382 489	Polr3a
224650	5647	98	48.91%	4.8735 34	84	44.73%	4.181 996	Anks1
29871	3394	98	68.44%	8.1086 76	87	64.67%	7.206 585	Scmh1
68134	2188	98	86.33%	12.578 08	99	81.44%	12.72 067	Upf3b
668139	7965	98	6.98%	3.4552 22	108	6.21%	3.812 063	Gm8995
240255	6299	98	43.10%	4.3690 82	75	38.32%	3.347 432	Ythdc2
224648	8567	98	38.02%	3.2124 25	75	32.36%	2.461 244	Uhrf1bp 1
12913	1582	98	83.06%	17.396 24	94	82.93%	16.70 489	Creb3
59014	2058	98	76.68%	13.372 62	98	74.10%	13.38 76	Rrs1
13449	1717	98	89.87%	16.028 45	97	94.76%	15.88 267	Dok2
19139	1998	98	78.58%	13.774 2	88	83.63%	12.38 253	Prps1
gi 149251797 ref X M_001477795.1	344	98	22.09%	80.002 46	116	20.06%	94.80 291	-
27354	2491	98	75.87%	11.048 11	130	76.64%	14.67 208	Nbn
72542	2079	98	77.78%	13.237 54	77	64.69%	10.41 258	Pgam5
19299	3399	98	69.37%	8.0967 48	63	52.37%	5.210 885	Abcd3
70044	2764	98	76.01%	9.9568 91	60	61.40%	6.102 887	Tut1
19338	3488	98	61.10%	7.8901 51	89	61.30%	7.173 575	Rab33b

20585	4955	98	54.73%	5.5541 57	66	41.68%	3.744 746	Hltf
338359	2436	98	79.02%	11.297 56	99	75.82%	11.42 563	Supv311
52690	2725	98	60.29%	10.099 39	100	61.91%	10.31 705	Setd3
18797	4195	98	63.36%	6.5603 92	73	56.54%	4.892 299	Plcb3
75425	3798	98	56.58%	7.2461 42	61	35.49%	4.515 408	Tti1
381038	1323	98	89.72%	20.801 85	101	85.94%	21.46 267	Parl
234366	5208	97	15%	5.2304 19	89	15.75%	4.804 422	Gatad2a
75725	7436	97	29.77%	3.6632 63	114	33.97%	4.310 102	Phf14
52855	3512	97	65.23%	7.7562 7	78	59.23%	6.243 99	Lair1
gi 22779863 ref N M_026772.1	1466	97	92.77%	18.581 19	223	95.57%	42.76 545	-
11861	3693	97	44.52%	7.3761 23	140	49.77%	10.65 788	Arl4a
66432	1525	97	87.74%	17.862 31	95	82.56%	17.51 362	Slc7a6os
66206	1428	97	87.39%	19.075 65	58	80.81%	11.41 884	1110059 E24Rik
213068	2931	97	73.11%	9.2937 64	71	60.39%	6.810 275	Tmem71
57784	1727	97	78%	15.773 03	88	78.75%	14.32 559	Bin3
11758	2334	97	20.05%	11.670 96	104	17.74%	12.52 722	Prdx6
66266	1143	97	79.79%	23.832 04	74	75.59%	18.20 152	Eapp
13521	3863	97	67.18%	7.0515 2	80	55.63%	5.822 204	Slc26a2
18030	2019	97	19.61%	13.491 84	89	19.61%	12.39 298	Nfil3
217030	4589	97	53.85%	5.9359 38	65	43.58%	3.982 148	Synrg
239170	4051	97	60.43%	6.7242 71	77	57.22%	5.343 805	Fam160b 2
20334	4108	97	66.09%	6.6309 69	69	50.63%	4.722 161	Sec23a

68310	3832	96	65.71%	7.0352 81	70	46.45%	5.135 641	Zmym1
100121	3537	96	66.30%	7.6220 52	92	56.21%	7.312 652	Tdrd7
13437	1930	96	72.69%	13.968 5	89	78.08%	12.96 447	Dnpep
27999	2739	96	73.60%	9.8427 15	71	68.71%	7.287 666	Fam3c
228983	2745	96	76.10%	9.8212 01	53	61.20%	5.428 197	Osbp12
108062	4352	96	58.07%	6.1946 68	71	49.98%	4.586 608	Cstf2
11565	1806	96	81.40%	14.927 57	130	82.17%	20.23 707	Adss11
80877	9900	96	32.44%	2.7231 51	87	27.64%	2.470 621	Lrba
56464	1975	96	84.30%	13.650 23	104	81.32%	14.80 432	Ctsf
22375	2831	96	38.89%	9.5228 53	69	38.47%	6.852 221	Wars
240174	7896	96	37.18%	3.4142 85	74	32.71%	2.634 794	Thada
16885	3323	96	71.38%	8.1129 09	64	53.17%	5.414 667	Limk1
16569	5647	96	54.91%	4.7740 74	67	41.81%	3.335 64	Kif3b
17161	4161	96	38.14%	6.4790 19	104	43.21%	7.026 802	Maoa
30839	2359	96	79.57%	11.428 23	66	66.89%	7.865 713	Fbxw5
12866	754	96	58.62%	35.754 9	116	71.22%	43.25 226	Cox7a2
236900	2000	96	78.10%	13.479 6	73	73.30%	10.26 16	Pdk3
72475	3211	96	62.54%	8.3958 88	108	65.06%	9.455 959	Ssbp3
224014	3229	96	66.24%	8.3490 85	83	56.77%	7.226 569	Fgd4
112407	2693	96	79.99%	10.010 84	82	66.80%	8.560 51	Egln3
102193	2874	96	67.19%	9.3803 75	80	68.37%	7.825 739	Zdhhc7
58193	3012	96	74.77%	8.9505 96	197	86.29%	18.38 795	Extl2

28042	6769	96	46.15%	3.9827 44	47	26.99%	1.952 07	Ept1
320727	5359	96	49.37%	5.0306 39	91	46.15%	4.773 971	Ipo8
70238	4468	96	60.63%	6.0338 4	79	49.73%	4.970 912	Rnf168
244962	3112	96	65.46%	8.6629 81	72	49.10%	6.504 517	Snx14
gi 118130175 ref NM_152800.2	1499	96	87.46%	17.984 79	89	78.45%	16.69 208	-
77593	6018	96	50.47%	4.4797 6	84	44.82%	3.924 183	Usp45
224794	4558	96	55.81%	5.9146 99	106	62.22%	6.538 132	Enpp4
269401	5390	96	53.21%	5.0017 06	47	32.65%	2.451 496	Znf512b
94219	3330	96	66.91%	8.0958 55	74	56.43%	6.247 548	Cnm2
239319	4531	95	61.09%	5.8879 65	49	32.99%	3.040 354	Card6
212139	3349	95	69.90%	7.9660 71	54	51.24%	4.533 157	Cc2d1a
140499	3502	95	35.72%	7.6180 39	89	28.75%	7.144 897	Ube2j2
23882	1081	95	83.81%	24.679 34	164	92.97%	42.65 209	Gadd45g
gi 160333756 ref NM_144851.4	3751	95	68.94%	7.1123 36	79	56.20%	5.921 097	-
66892	2513	95	73.62%	10.616 14	108	77.28%	12.08 24	Eif4e3
236312	3497	95	39.92%	7.6289 31	79	38.26%	6.351 168	Pyhin1
408067	3792	95	42.62%	7.0354 36	102	48.60%	7.562 301	Zfp874b
77097	11864	95	29.87%	2.2486 83	39	14.33%	0.924 178	Tanc2
108687	2294	95	67.57%	11.629 63	109	71.45%	13.35 842	Edem2
257632	4621	95	49.62%	5.7732 9	111	53.93%	6.753 192	Nod2
12043	7206	95	37.32%	3.7022 44	30	17.76%	1.170 44	Bcl2
109129	1302	95	85.10%	20.490 3	98	86.41%	21.16 105	Mmadhc

15511	2810	95	41.60%	9.4940 82	72	38.08%	7.203 579	Hspa1b
56790	1968	95	79.88%	13.556 08	62	72.51%	8.857 042	Fam48a
107350	799	95	74.22%	33.389 7	102	86.36%	35.89 017	AW1120 10
27052	2915	95	68.23%	9.1521	98	75.09%	9.451 694	Aoah
17527	1712	95	83.82%	15.583 16	92	84.81%	15.10 797	Mpv17
75600	861	95	93.61%	30.985 33	121	90.59%	39.50 975	Calml4
gi 118130442 ref NM_177562.4	6189	95	50.33%	4.3106 11	60	38.10%	2.725 542	-
16553	6866	95	44.49%	3.8855 77	104	43.74%	4.258 451	Kif13a
gi 149256303 ref XR_034015.1	2284	95	15.19%	11.680 55	108	14.93%	13.29 382	-
27681	947	95	84.05%	28.171 46	90	86.17%	26.71 866	Snf8
gi 153792584 ref NM_021438.3	1074	95	93.48%	24.840 2	52	85.10%	13.61 198	-
21780	3918	95	51.17%	6.8091 81	69	40.48%	4.951 158	Tfam
22026	7637	95	33.86%	3.4933 05	31	17.56%	1.141 198	Nr2c2
gi 142350336 ref NM_029846.3	3066	95	69.99%	8.7013 61	81	65.04%	7.427 369	-
68342	657	94	85.69%	40.178 91	108	96.65%	46.21 474	Ndufb10
18393	3417	94	64%	7.7253 57	51	50.34%	4.196 114	Orc2
233064	4744	94	54.01%	5.5644 07	70	43.93%	4.148 351	Wdr62
72308	2755	94	69.66%	9.5816 87	84	61.71%	8.571 953	Brf1
232533	4617	94	56.27%	5.7174 67	80	49.25%	4.871 382	Stk38l
68938	1872	94	85.20%	14.101 25	78	76.87%	11.71 415	Aspscr1
17940	5361	94	45.74%	4.9239 97	130	44.56%	6.817 414	Naip1
72512	2302	94	76.50%	11.467 22	66	66.51%	8.060 477	Tmem17 3

67689	1915	94	80.89%	13.784 62	115	80.10%	16.88 306	Aldh3b1
240672	1155	94	77.92%	22.855 02	80	78.53%	19.47 288	Dusp5
104479	3418	94	71.80%	7.7230 97	100	63.25%	8.225 268	Ccdc117
216505	2267	94	78.21%	11.644 26	64	68.15%	7.936 894	Pik3ip1
57773	3906	94	65.34%	6.7582 04	67	49.80%	4.822 416	Wdr4
319710	4695	94	49.12%	5.6224 81	68	39.77%	4.071 884	Frmd6
18640	7308	94	42.04%	3.6121 44	75	32.91%	2.885 259	Pfkfb2
103710	3059	94	63.22%	8.6294 69	69	51.45%	6.341 496	Slc35e4
11821	866	94	95.61%	30.482 16	83	97%	26.94 526	Aprt
245666	6003	94	47.99%	4.3973 92	82	38.98%	3.840 322	Iqsec2
17252	1574	94	84.24%	16.771	38	56.54%	6.787 362	Rdh11
230673	3588	94	68.53%	7.3571 76	67	46.54%	5.249 821	Ipo13
212281	5180	94	57.37%	5.0960 51	79	48.19%	4.287 651	A530054 K11Rik
15193	2251	94	83.47%	11.727 03	78	79.16%	9.741 845	Hdgfrp2
17912	5052	94	53.48%	5.2251 68	72	38.60%	4.006 741	Myo1b
70432	8936	94	33.49%	2.9540 67	69	26.25%	2.170 841	Rufy2
66048	1402	94	65.34%	18.828 49	104	70.40%	20.85 487	Emc6
104184	2355	94	77.58%	11.209 15	96	77.41%	11.46 047	Blmh
54367	2672	94	60.70%	9.8793 21	90	57.97%	9.469 525	Zfp326
14467	2115	93	82.36%	12.348 33	81	69.03%	10.76 705	Gbas
217893	5480	93	30.24%	4.7658 25	47	23.39%	2.411 234	Pacs2
227612	3428	93	63.54%	7.6186 47	26	20.86%	2.132 331	A830007 P12Rik

83814	8212	93	28.75%	3.1803 12	79	26.44%	2.704 583	Nedd4l
15512	2595	93	71.48%	10.064 25	131	84.47%	14.19 241	Hspa2
235293	2249	93	82.88%	11.612 59	102	86.53%	12.75 066	Sc5d
75608	1607	93	33.04%	16.251 85	94	37.83%	16.44 501	Chmp4b
83797	3153	93	72.85%	8.2831 34	76	60.58%	6.776 598	Smarcd1
55934	1142	93	89.93%	22.869 28	96	78.28%	23.63 346	Rp9
68318	5185	93	44.36%	5.0369 76	125	57.51%	6.777 716	Aph1c
14056	2665	93	66.57%	9.7998 96	47	57.15%	4.958 185	Ezh2
105638	3016	93	65.02%	8.6593 9	76	47.84%	7.084 421	Dph3
64380	1723	93	73.42%	15.157 7	41	46.60%	6.689 916	Ms4a4c
22694	3033	93	62.31%	8.6108 54	72	53.54%	6.673 939	Zfp35
108888	2426	93	80.87%	10.765 34	76	69.83%	8.807 343	Atad3a
29812	2683	93	71.19%	9.7341 49	66	64.41%	6.915 847	Ndr3
67706	848	93	83.61%	30.798 02	99	79.95%	32.82 173	Tmem17 9b
78894	3175	93	67.62%	8.2257 39	77	68.03%	6.818 19	Aacs
67059	2189	93	66.65%	11.930 89	73	59.43%	9.375 603	Ola1
116871	2673	93	51.03%	9.7705 65	68	41.79%	7.152 075	Mta3
59035	3231	93	56.17%	8.0831 7	75	52.52%	6.525 99	Carm1
75221	2683	93	66.83%	9.7341 49	79	70.07%	8.278 059	Dpp3
69719	7106	93	46.02%	3.6753 06	60	31.40%	2.373 822	Cad
110172	1169	93	92.04%	22.341 08	78	87.77%	18.75 868	Slc35b1
1E+08	4894	93	7.11%	5.3364 78	101	7.34%	5.802 024	Gm4415

78581	2917	93	58.24%	8.9532 81	90	57.73%	8.674 175	Utp23
18105	3974	93	58.40%	6.5718 98	109	63.06%	7.711 178	Nqo2
53598	966	93	81.16%	27.035 94	111	82.09%	32.30 487	Dctn3
68215	1861	93	71.68%	14.033 7	87	72.65%	13.14 301	Fam98b
252972	4666	92	57.54%	5.5370 55	69	44.15%	4.157 445	Tpcn1
26754	1273	92	94.42%	20.295 28	89	87.20%	19.65 548	Cops5
15216	1722	92	81.53%	15.003 42	119	89.43%	19.42 835	Hfe
76233	1257	92	76.05%	20.553 62	74	80.03%	16.55 078	Dnttip1
78771	4289	92	55.19%	6.0237 58	103	57.24%	6.751 547	Mctp1
1E+08	2483	92	36.05%	10.405 11	108	31.29%	12.22 839	Gm3006
21681	1132	92	66.08%	22.823 23	116	78.80%	28.80 936	Alyref
50868	4470	92	45.91%	5.7798 43	49	34.36%	3.081 844	Keap1
67941	464	92	83.84%	55.680 81	89	93.32%	53.92 55	Rps27l
56438	1655	92	73.41%	15.610 81	92	74.44%	15.62 831	Rbx1
21976	2987	92	71.01%	8.6494 46	63	56.24%	5.929 628	Top3b
67036	2431	92	61.13%	10.627 68	72	48.58%	8.326 637	Mrpl45
235041	4853	92	53.41%	5.3236 96	58	39.30%	3.360 004	Kank2
gi 158533980 ref NM_009124.5	5431	92	53.34%	4.7571 16	61	41.52%	3.157 709	-
51791	2356	92	79.88%	10.966	74	69.40%	8.830 363	Rgs14
226470	8362	92	37.80%	3.0896 79	49	22.24%	1.647 434	Zbtb41
14594	3586	92	65.39%	7.2046 56	73	54.55%	5.723 144	Ggta1
gi 54020728 ref NM_053082.2	1479	92	63.08%	17.468 49	114	68.09%	21.66 999	-

27784	3464	92	59.53%	7.4584	79	57.68%	6.411 672	Commd8
68968	6384	92	46.57%	4.0469 76	53	32.72%	2.334 023	Cdan1
26426	1448	92	79.35%	17.842 47	74	82.94%	14.36 763	Nubp2
67834	2418	92	75.60%	10.684 82	83	66.13%	9.650 369	Idh3a
218639	3376	91	62.35%	7.5696 3	72	54.41%	5.995 87	Arl15
69605	8775	91	33.50%	2.9122 59	57	22.74%	1.826 206	Lnp
72454	3108	91	63.74%	8.2223 53	74	57.79%	6.693 801	Ccdc71
380959	3727	91	64.58%	6.8567 4	39	34.08%	2.941 896	Alg10b
67797	1789	91	61.49%	14.284 56	102	68.25%	16.02 92	Snrnp48
67842	3828	91	49.69%	6.6758 29	82	43.03%	6.022 323	2610027 L16Rik
235907	3960	91	46.72%	6.4533 01	91	36.52%	6.460 533	Zfp71-rs 1
224624	2466	91	72.14%	10.362 96	51	52.47%	5.814 324	Rab40c
217026	5677	91	50.94%	4.5015 1	75	43.95%	3.714 193	Heatr6
240427	9981	91	33.59%	2.5603 72	32	14.21%	0.901 359	Setbp1
19889	3786	91	56.08%	6.7498 87	80	48.55%	5.940 616	Rp2h
66939	2600	91	70.50%	9.8288 74	82	66.08%	8.866 712	Aagab
26893	1094	91	83.46%	23.359 3	86	82.63%	22.10 056	Cops6
14911	2110	91	78.86%	12.111 41	59	71.66%	7.861 251	Thumpd 3
231510	2877	91	68.93%	8.8825 41	85	61.38%	8.306 177	Agpat9
232976	4195	91	56.73%	6.0917 93	69	51.80%	4.624 228	Zfp574
19817	332	91	90.66%	76.973 11	106	90.06%	89.76 146	Rn7sk
227644	4507	91	58.18%	5.6700 85	61	41.03%	3.805 085	Snapc4

68576	905	91	66.19%	28.237 65	102	66.63%	31.68 646	Hbxip
246256	1250	91	92.72%	20.444 06	155	97.60%	34.86 132	Fcgr4
228026	5137	91	45.94%	4.9747 07	81	49.58%	4.432 998	Pdk1
235323	4220	91	61.33%	6.0557 04	59	42.09%	3.930 626	Usp28
228368	3154	91	60.88%	8.1024 32	56	47.72%	4.991 7	Slc35c1
12419	8902	91	37.43%	2.8707 11	47	20.46%	1.484 337	Cbx5
108682	3596	91	65.38%	7.1065 27	65	53.03%	5.081 779	Gpt2
13619	3839	91	65.75%	6.6567	62	47.69%	4.540 417	Phc1
236082	2211	91	65.36%	11.558 15	79	53.69%	10.04 524	Dhrsx
15107	1720	91	84.59%	14.857 6	99	85.58%	16.18 188	Hadh
106582	1502	91	79.43%	17.014 03	76	76.96%	14.22 544	Nrm
54447	4835	91	55.74%	5.2854 34	76	52.33%	4.419 155	Asah2
gi 146198790 ref N M_178896.4	4063	91	55.65%	6.2897 05	65	49.64%	4.497 681	-
212531	3501	91	61.58%	7.2993 63	47	46.44%	3.774 226	Sh3bgrl2
60406	1183	90	77.94%	21.364 54	99	80.81%	23.52 733	Sap30
gi 148540115 ref N M_178767.4	2156	90	76.02%	11.722 75	81	71.15%	10.56 23	-
52585	1486	90	82.37%	17.008 24	100	86.81%	18.91 922	Dhrs1
17131	4441	90	54.45%	5.6911 16	136	61.09%	8.609 546	Smad7
83962	3020	90	40.89%	8.3689 56	57	38.28%	5.306 278	Btbd1
gi 293597554 ref N R_033443.1	4737	90	19.74%	5.3354 96	66	20.90%	3.917 082	-
12696	1256	90	96.26%	20.122 81	59	82.17%	13.20 64	Cirbp
56335	2035	90	83.05%	12.419 78	71	69.88%	9.808 804	Mettl3

67707	949	90	67.65%	26.632 5	92	63.01%	27.25 485	Mrpl24
71101	7343	90	37.97%	3.4419 51	60	30.41%	2.297 205	4933407 H18Rik
67139	2766	90	69.34%	9.1374 72	86	59.47%	8.741 146	Mis12
231866	4271	90	60.08%	5.9176 41	50	40.76%	3.291 263	Zfp12
19655	2440	90	60.29%	10.358 3	92	60.53%	10.60 035	Rbmx
216766	6229	90	47.79%	4.0575 13	56	34.58%	2.527 504	Gemin5
66329	1144	90	84.18%	22.092 87	84	83.30%	20.64 312	Susd3
216197	2915	90	66.83%	8.6704 11	66	61.48%	6.365 426	Ckap4
73373	2104	90	80.32%	12.012 47	76	65.45%	10.15 523	Phospho 2
76425	1877	90	58.76%	13.465 24	78	58.39%	11.68 295	Gid8
66960	2333	90	75.48%	10.833 37	114	80.71%	13.73 764	Fam188a
66753	3501	90	43.39%	7.2191 51	84	52.50%	6.745 425	Erlec1
gi 110556648 ref N M_026187.4	2777	90	66.65%	9.1012 77	47	51.17%	4.758 215	-
22248	1319	90	82.41%	19.161 67	95	76.27%	20.24 888	Unc119
72290	6453	90	44.37%	3.9166 66	117	51.90%	5.097 372	Lsm11
83409	586	90	79.69%	43.130 11	95	81.74%	45.57 725	Lamtor2
29863	4127	90	54.81%	6.1241 21	38	34.70%	2.588 638	Pde7b
223918	2454	90	72.70%	10.299 2	55	54.56%	6.301 011	Spryd3
70556	1877	90	75.49%	13.465 24	105	74.11%	15.72 705	Slc25a33
gi 124487210 ref N M_001081155.1	3218	90	53.98%	7.8540 23	61	47.89%	5.329 248	-
108707	2444	90	70.99%	10.341 34	76	66%	8.742 477	1810008 A18Rik
66181	695	90	78.27%	36.365 82	80	60.29%	32.36 14	Nop10

55980	2601	90	63.05%	9.7171 27	72	64.40%	7.782 413	Impa1
320634	5198	89	48.44%	4.8082 77	77	48.52%	4.164 631	Ocrl
51798	1138	89	95.52%	21.962 58	82	92.27%	20.25 787	Ech1
98828	1623	89	73.20%	15.399 52	104	79.61%	18.01 511	Cdc123
56207	1851	89	71.31%	13.502 66	75	66.88%	11.39 14	Uchl5
233875	1143	89	59.76%	21.866 51	78	52.67%	19.18 538	Ino80e
20016	1305	89	86.82%	19.152 05	95	86.74%	20.46 611	Polr1c
230596	1519	89	87.89%	16.453 87	91	74.65%	16.84 247	Prpf38a
66096	900	89	64%	27.770 47	117	67%	36.54 816	0910001 L09Rik
56437	1577	89	92.20%	15.848 71	75	93.28%	13.37 062	Rrad
74102	4200	89	47.21%	5.9508 15	70	49.29%	4.685 661	Slc35a5
66075	1432	89	51.96%	17.453 51	91	58.17%	17.86 572	Chchd3
217331	3715	89	62.66%	6.7277 04	50	40.97%	3.783 845	Unk
14284	5886	89	8.31%	4.2462 49	66	7.99%	3.152 432	Fosl2
gi 144094255 ref N M_145937.2	2616	89	74.20%	9.5540 6	65	62.04%	6.985 504	-
266632	2825	89	73.17%	8.8472 29	79	68.18%	7.861 959	Irak4
56174	1330	89	84.66%	18.792 05	72	82.41%	15.21 959	Nagk
20728	1266	89	84.04%	19.742 04	46	77.49%	10.21 519	Spic
56530	1017	89	81.32%	24.575 64	73	72.66%	20.18 013	Cnpy2
666938	7935	89	38.37%	3.1497 7	50	23.64%	1.771 516	Bend4
107392	1396	89	85.24%	17.903 6	102	85.39%	20.54 172	Brms1
67045	3201	89	61.82%	7.8080 04	70	58.17%	6.148 009	Riok2

gi 142387616 ref NM_028126.2	2015	89	78.21%	12.403 68	68	74.79%	9.487 592	-
70625	3040	89	62.47%	8.2215 2	64	52.34%	5.918 73	Med26
77286	3279	89	58.16%	7.6222 69	102	68.83%	8.745 424	Nkrf
70461	5110	89	33.70%	4.8910 81	84	30.72%	4.621 474	Crtc3
67673	508	89	82.68%	49.199 65	101	80.12%	55.89 588	Tceb2
69601	6549	89	42.79%	3.8163 72	107	46.37%	4.593 364	Dab2ip
381280	8449	89	23.77%	2.9581 51	59	21.97%	1.963 219	Hjurp
66593	1939	89	62.71%	12.889 85	90	58.84%	13.04 929	Diablo
67026	2160	89	75.32%	11.571 03	47	58.61%	6.117 391	Thap4
100662	3809	89	54.50%	6.5616 75	95	63.85%	7.011 884	D930016 D06Rik
30931	1452	89	80.72%	17.213 1	74	80.10%	14.32 805	Tor1a
17087	603	89	97.01%	41.448 46	131	98.51%	61.07 678	Ly96
19298	3131	89	70.46%	7.9825 68	93	64.39%	8.350 683	Pex19
54405	516	89	78.10%	48.436 86	132	72.48%	71.91 945	Ndufa1
56372	1400	89	71.79%	17.852 44	85	76.21%	17.06 919	1110004 F10Rik
234374	2104	88	62.69%	11.745 53	90	61.17%	12.02 594	Ddx49
14718	2065	88	34.92%	11.967 36	70	33.66%	9.530 158	Got1
68833	1706	88	60.26%	14.485 7	100	66.18%	16.47 946	Pdcl3
102462	915	88	91.37%	27.008 3	73	79.02%	22.42 972	Imp3
gi 50838805 ref NM_172703.2	5534	88	16.25%	4.4655 94	70	19.06%	3.556 158	-
238130	8072	88	34.77%	3.0615 21	66	28.20%	2.298 714	Dock4
230234	4299	88	58.57%	5.7484 52	67	50.76%	4.381 567	BC0265 90

54616	5995	88	45.62%	4.1222 01	63	37.21%	2.954 428	Extl3
68738	3594	88	58.76%	6.8760 7	49	44.46%	3.833 012	Accs1
245474	2803	88	62.61%	8.8164 81	87	60.86%	8.726 062	Dkc1
434204	3069	88	64.81%	8.0523 29	108	71.72%	9.893 478	Whamm
15257	8065	88	12%	3.0641 78	84	11.64%	2.928 175	Hipk1
54486	3298	88	63.61%	7.4932 07	63	58.64%	5.370 467	Hpgds
268512	2692	88	68.05%	9.1800 14	75	57.54%	7.832 643	Slc26a11
66926	2820	88	79.93%	8.7633 32	55	58.55%	5.483 22	Trmt6
70005	4764	88	28.57%	5.1873 63	71	30.79%	4.189 949	Znf41-ps
224044	2735	88	71.26%	9.0356 84	106	69.84%	10.89 609	Cyp2ab1
270166	2851	88	69.17%	8.6680 45	64	52.26%	6.311 097	Clpx
67490	4335	87	51.67%	5.6359 34	54	38.94%	3.502 086	Ufl1
234069	2408	87	76.87%	10.146 08	75	72.26%	8.756 426	Pcid2
81500	1715	87	84.37%	14.245 93	121	83.27%	19.83 551	Sil1
66826	1854	87	77.83%	13.177 87	50	72.92%	7.581 976	Taz
106633	5814	87	40.83%	4.2022 31	52	28.52%	2.514 493	Ift140
235339	4051	87	53.22%	6.0310 47	88	52.60%	6.107 206	Dlat
74167	1334	87	90.33%	18.314 67	102	81.11%	21.49 644	Nudt9
12868	545	87	65.87%	44.828 94	88	71.56%	45.39 503	Cox8a
244745	4753	87	46.01%	5.1402 84	99	48.33%	5.855 844	Dpy1911
101513	1456	87	81.46%	16.780 06	80	80.56%	15.44 723	Mob2
17993	1534	87	66.56%	15.926 84	82	69.62%	15.02 833	Ndufs4

18715	2054	87	50.78%	11.894 73	51	42.70%	6.980 586	Pim2
13560	2574	87	71.60%	9.4917 53	55	50.19%	6.007 258	E4f1
67698	2107	87	59.90%	11.595 53	93	53.58%	12.40 911	Fam174a
71330	3949	87	55.43%	6.1868 25	54	44.19%	3.844 402	Rcbtb1
382236	6434	87	38.81%	3.7972 91	87	40.15%	3.801 547	Brwd3
20597	2430	87	74.16%	10.054 23	73	71.85%	8.445 759	Smpd1
28071	2324	87	65.10%	10.512 81	100	60.67%	12.09 723	Twistnb
66681	2179	87	77.01%	11.212 38	68	68.79%	8.773 519	Pgm1
228812	1621	87	82.91%	15.072 04	73	73.84%	12.66 082	Pigu
100336	2041	87	77.66%	11.970 49	54	55.71%	7.438 286	Ppp1r8
243197	2508	87	68.14%	9.7415 36	98	72.41%	10.98 552	Mfsd7a
55948	1616	87	76.98%	15.118 67	50	72.09%	8.698 628	Sfn
22722	2770	87	70.65%	8.8201 34	79	70.90%	8.018 063	Zfp64
65019	1064	87	55.92%	22.962 19	106	50.47%	28.00 827	Rpl23
72727	1599	87	78.36%	15.279 41	67	74.23%	11.78 009	B3gat3
241846	2560	87	68.98%	9.5436 61	61	54.77%	6.699 031	Lsm14b
27081	6400	87	45.73%	3.8174 64	62	31.34%	2.723 54	Zfp275
236733	3464	86	60.68%	6.9719 82	47	46.62%	3.814 539	Usp11
67603	2814	86	63.89%	8.5824 26	66	62.65%	6.593 894	Dusp6
66460	1623	86	76.40%	14.880 44	67	72.27%	11.60 589	Sys1
66980	2298	86	72.02%	10.509 55	59	59.88%	7.218 12	Zdhhc6
109284	1821	86	82.98%	13.262 46	95	89.90%	14.66 681	C030046 I01Rik

12337	4411	86	56.79%	5.4751 64	91	60.53%	5.799 979	Capn5
73825	3151	86	66.74%	7.6645 34	69	62.20%	6.156 343	Klraql
gi 114158676 ref N M_028190.2	4993	86	43.74%	4.8369 61	71	42.16%	3.997 78	-
77048	3006	86	72.19%	8.0342 47	71	56.82%	6.640 358	Ccdc41
13821	6308	86	42.63%	3.8286 22	120	53.69%	5.348 25	Epb4.111
69890	2938	86	67.80%	8.2202	59	53.68%	5.645 759	Zfp219
17434	1889	86	66.33%	12.785 04	114	64.69%	16.96 661	Mocs2
140500	4438	86	54.44%	5.4418 54	79	49.66%	5.004 514	Acap3
319880	5528	86	43.65%	4.3688 4	108	56.26%	5.492 598	Tmcc3
19286	1051	86	88.87%	22.979 02	71	81.92%	18.99 231	Pts
23971	2617	86	74.13%	9.2284 86	95	64.16%	10.20 568	Papss1
19826	1934	86	38.73%	12.487 56	74	36.61%	10.75 715	Rnps1
67057	2318	86	60.91%	10.418 87	76	60.09%	9.217 694	Yaf2
21990	2047	86	65.71%	11.798 22	26	41.87%	3.570 899	Tph1
229211	3913	86	48.33%	6.1719 77	58	31.05%	4.167 161	Acad9
57751	1491	86	80.75%	16.197 82	82	74.38%	15.46 174	Rnf25
67381	1304	86	81.90%	18.520 66	94	87.42%	20.26 62	Med4
72739	2603	86	70.46%	9.2781 2	51	50.29%	5.508 307	Zkscan3
12396	6100	86	46.36%	3.9591 72	41	26.80%	1.889 627	Cbfa2t2
66480	1857	86	54.07%	13.005 36	98	52.93%	14.83 666	Rpl15
69956	2601	86	64.63%	9.2852 54	68	66.63%	7.350 057	Ptcd3
17256	841	86	80.38%	28.716 94	76	80.86%	25.40 62	Mea1

gi 253795501 ref N M_172262.2	4281	86	57.95%	5.6414 26	65	46.09%	4.268 647	-
55991	2112	85	70.41%	11.302 14	53	57.05%	7.055 115	Panx1
15260	4553	85	45.57%	5.2427 24	69	44.87%	4.260 627	Hira
140917	4309	85	57.23%	5.5395 97	92	60.48%	6.002 518	Delre1b
74125	4628	85	51.60%	5.1577 62	74	45.96%	4.495 319	Armc8
70472	5683	85	44.38%	4.2002 68	44	28.37%	2.176 693	Atad2
66410	1486	85	74.76%	16.063 34	78	76.31%	14.75 699	Mterfd1
gi 169646699 ref N M_138590.3	2511	85	48.90%	9.5062 21	56	39.35%	6.269 941	-
17076	5172	85	51.45%	4.6152 59	15	13.13%	0.815 37	Ly75
234388	911	85	94.73%	26.202 11	73	88.58%	22.52 821	Ccdc124
229285	4013	85	59.38%	5.9481 99	76	53.43%	5.324 349	Spg20
108995	1781	85	82.31%	13.402 65	47	64.40%	7.419 183	Tbc1d10 c
gi 142371690 ref N M_153414.3	2668	85	63.98%	8.9468 22	70	67.47%	7.376 228	-
215748	3448	85	63.34%	6.9228 89	102	64.70%	8.316 777	Cnksr3
170762	6420	85	45.05%	3.7180 88	64	36.93%	2.802 638	Nup155
14593	2387	85	55.97%	10.000 05	58	49.52%	6.831 211	Ggps1
94043	1080	85	66.85%	22.101 96	83	66.30%	21.60 61	Tm2d1
217201	3230	85	63.59%	7.3901 31	65	54.15%	5.657 609	Rundc1
17151	1572	85	86.58%	15.184 56	75	83.84%	13.41 315	Ccndbp1
64656	1302	85	81.34%	18.333 43	65	75.96%	14.03 539	Mrps23
207818	1137	85	73.44%	20.993 95	95	83.82%	23.49 012	Smagp
gi 158508633 ref N M_023647.5	3625	85	37.27%	6.5848 61	88	40.86%	6.824 908	-

gi 149259582 ref XR_033905.1	10650	85	23.07%	2.2413 26	48	14.25%	1.267 108	-
77559	9625	85	26.92%	2.4800 13	62	21.10%	1.810 978	Ag1
27878	2159	85	66.79%	11.056 1	66	68.23%	8.594 357	Tada1
14082	2871	85	69.49%	8.3142 19	69	64.05%	6.756 753	Fadd
66234	1824	85	81.30%	13.086 69	60	69.24%	9.248 015	Sc4mol
66448	665	85	88.72%	35.894 92	90	90.83%	38.04 898	Mrpl20
103468	3092	85	70.05%	7.7199 62	70	61.38%	6.364 74	Nup107
54636	1582	85	86.28%	15.088 57	68	77.12%	12.08 438	Wdr45
23832	4453	85	31.19%	5.3604 59	207	38.06%	13.06 892	Xcr1
67337	1820	85	85.11%	13.115 45	61	74.95%	9.422 813	Cstf1
12499	4990	85	52.67%	4.7835 92	70	45.49%	3.943 843	Entpd5
30841	5184	84	41.24%	4.5504 04	32	20.97%	1.735 43	Kdm2b
74412	3138	84	61.41%	7.5173 03	65	59.46%	5.823 479	Gle1
gi 42475995 ref NM_178619.3	3165	84	57.03%	7.4531 74	69	54.66%	6.129 111	-
381379	2075	84	74.89%	11.368 34	70	66.41%	9.484 23	Med19
217449	3394	84	65.23%	6.9502 94	62	48.70%	5.135 727	Ttc15
22346	2730	84	69.78%	8.6407 68	52	49.27%	5.355 041	Vhl
317758	1383	84	90.67%	17.056 61	60	80.04%	12.19 695	Gimap9
24116	2162	84	70.81%	10.910 87	74	71.42%	9.622 727	Whsc2
70297	6528	84	45.59%	3.6135 57	52	31.05%	2.239 47	Gcc2
474156	2804	84	63.84%	8.4127 31	48	45.11%	4.812 662	Zbtb9
244631	3317	84	61.14%	7.1116 36	35	40.58%	2.966 502	Pskh1

57781	1891	84	78.32%	12.474 51	58	56.58%	8.623 004	Cd200r1
320678	2840	84	67.61%	8.3060 9	59	53.56%	5.840 577	Iffo1
gi 149262669 ref XR_032210.1	4862	84	44.01%	4.8517 68	41	25.32%	2.370 779	-
60441	1411	84	79.94%	16.718 14	63	74.63%	12.55 266	Mrpl38
22367	3796	84	43.57%	6.2142 51	76	42.60%	5.628 718	Vrk1
193740	2798	84	35.63%	8.4307 71	80	39.21%	8.038 303	Hspa1a
20220	3472	84	50.23%	6.7941 52	111	50.58%	8.988 048	Sap18
66209	3221	84	71.25%	7.3235 94	64	57.71%	5.586 134	1110054 O05Rik
233812	4842	84	44.28%	4.8718 09	74	42.48%	4.296 641	BC0303 36
56334	2029	84	19.81%	11.626 07	101	17.94%	13.99 463	Tmed2
gi 112807188 ref NM_029922.2	2633	84	72.96%	8.9590 95	76	64.83%	8.114 931	-
11465	1931	84	3.16%	12.216 1	80	3.26%	11.64 742	Actg1
13722	1122	84	85.29%	21.024 33	89	88.41%	22.30 074	Aimp1
70428	4858	84	52.98%	4.8557 63	67	45.99%	3.877 389	Polr3b
19060	2084	84	79.17%	11.319 24	80	71.69%	10.79 231	Ppp5c
107734	691	84	97.40%	34.137 91	85	91.03%	34.58 303	Mrpl30
19241	670	84	8.36%	35.207 91	91	8.21%	38.18 464	Tmsb4x
17220	2396	84	78.59%	9.8452 82	65	61.81%	7.626 911	Mcm7
108011	6524	84	38.83%	3.6157 72	52	28.71%	2.240 843	Ap4e1
13121	4353	84	51.23%	5.4190 9	53	41.63%	3.423 019	Cyp51
77781	7273	84	41.34%	3.2434 07	50	24.46%	1.932 763	Epm2aip 1
192197	3692	84	55.72%	6.3893	73	53.41%	5.558 829	Bcas3

15185	4142	84	53.69%	5.6951 47	59	42.06%	4.004 645	Hdac6
gi 142379932 ref N M_145550.2	1268	84	95.35%	18.603 55	90	92.98%	19.95 471	-
66414	561	84	89.48%	42.048 66	89	94.12%	44.60 148	Ndufa12
19358	2074	84	51.88%	11.373 82	77	54.29%	10.43 768	Rad23a
19240	637	84	24.02%	37.031 86	54	24.96%	23.83 288	Tmsb10
74901	6996	84	33.63%	3.3718 26	22	14.02%	0.884 087	Kbtbd11
21374	1842	84	88.87%	12.806 35	54	73.62%	8.241 879	Tbp
gi 22165348 ref N M_012039.1	2866	83	70.80%	8.1327 54	57	50.84%	5.591 403	-
19336	1865	83	52.28%	12.497 84	75	66.76%	11.30 588	Rab24
66416	482	83	97.72%	48.357 83	87	98.13%	50.74 513	Ndufa7
209354	1938	83	63.93%	12.027 08	45	51.39%	6.528 011	Eif2b1
235315	3782	83	53.28%	6.1630 02	63	46.06%	4.683 183	Rnf214
69106	2284	83	68.48%	10.205 11	47	58.93%	5.785 273	Stom11
207259	4591	83	50.60%	5.0769 92	61	38.84%	3.735 465	Zbtb7c
54188	1605	83	77.38%	14.522 41	87	85.48%	15.23 935	Cpsf4
75210	1970	83	75.79%	11.831 71	73	65.84%	10.41 787	Prr3
56282	963	83	93.87%	24.204 02	78	96.78%	22.77 144	Mrpl12
20768	2206	83	63.92%	10.565 94	80	70.67%	10.19 545	Sephs2
259302	8887	83	33.12%	2.6227 6	86	31.81%	2.720 604	Srgap3
68108	3175	83	54.83%	7.3412 51	75	54.68%	6.641 094	9430008 C03Rik
71957	2347	83	73.41%	9.9311 77	65	64.29%	7.786 143	Cpsf31
80751	1980	83	77.58%	11.771 96	55	66.21%	7.809 435	Rnf34

67414	4531	83	49.26%	5.1442 22	60	39.51%	3.722 882	Mfn1
12166	5481	83	49.61%	4.2525 95	77	42.31%	3.949 599	Bmpr1a
104709	3237	83	63.55%	7.2006 4	84	64.94%	7.295 561	Pik3r6
65962	2118	83	68.60%	11.004 94	85	69.41%	11.28 275	Slc9a3r2
20112	5435	83	43.75%	4.2885 87	77	36.34%	3.983 027	Rps6ka2
gi 149254450 ref X M_001479354.1	3050	83	45.74%	7.6421 22	69	41.51%	6.360 209	-
1E+08	2195	83	10.93%	10.618 89	70	8.93%	8.965 73	Gm4569
229900	5548	83	34.34%	4.2012 39	53	28.19%	2.685 725	Gbp7
13024	1373	83	62.78%	16.976 31	168	73.85%	34.40 019	Ctla2a
21414	2238	83	80.38%	10.414 87	16	28.46%	2.009 935	Tcf7
207781	6568	82	41.84%	3.5060 36	82	33.12%	3.509 965	C2cd2
72201	3311	82	56.66%	6.9548 92	69	49.62%	5.858 845	Otud6b
77254	1144	82	93.88%	20.129 06	76	87.41%	18.67 711	Yif1b
18647	4911	82	49.62%	4.6889 93	81	50.05%	4.637 001	Cdk14
11484	1534	82	90.81%	15.011 5	141	95.24%	25.84 139	Aspa
72662	3722	82	54.54%	6.1869 01	56	44.17%	4.229 936	Dis3
109079	5329	82	44.55%	4.3211 95	57	30.87%	3.007 123	Sephs1
243983	2407	82	70.25%	9.5669 49	65	57.08%	7.592 056	Zdhhc13
83965	2558	82	74.94%	9.0022 08	132	82.21%	14.50 76	Enpp5
192232	2852	82	67.64%	8.0742 1	58	62.90%	5.717 426	Hps4
66916	533	82	95.68%	43.203 84	75	90.62%	39.55 999	Ndufb7
72325	2795	82	71.45%	8.2388 72	48	50.73%	4.828 159	1300018 I17Rik

319604	6610	82	41.74%	3.4837 59	100	44.63%	4.253 248	Fam168a
12909	1474	82	75.10%	15.622 56	49	67.64%	9.345 891	Crcp
68146	3541	82	60.15%	6.5031 48	76	52.33%	6.034 062	Arl13b
98711	2295	82	67.23%	10.033 83	62	68.58%	7.595 058	Rdh10
121022	795	82	80.25%	28.965 59	102	81.89%	36.07 075	Mrps6
244650	7854	82	37.45%	2.9319 64	54	26.22%	1.932 969	Phlpp2
77065	3252	82	63.78%	7.0810 72	56	48.37%	4.841 273	Ints7
71923	1802	82	82.19%	12.778 94	82	69.64%	12.79 326	2310047 M10Rik
1E+08	756	82	72.09%	30.459 85	342	89.42%	127.1 822	Isg15
216527	1875	82	41.81%	12.281 41	78	36.05%	11.69 541	Ccm2
140482	1999	82	76.79%	11.519 58	52	55.78%	7.313 288	Zfp358
70574	5195	82	56.42%	4.4326 56	70	41.66%	3.788 215	Cpm
70450	3967	82	59.09%	5.8048 01	51	43.84%	3.614 349	Unc13d
213773	2515	82	79.05%	9.1561 22	56	55.83%	6.259 969	Tbl3
19687	4731	82	50.88%	4.8673 95	53	37.54%	3.149 525	Rfc1
80732	4171	82	53.18%	5.5208 94	67	41.79%	4.516 029	Mynn
12617	3192	82	65.26%	7.2141 75	47	46.62%	4.139 588	Cenpc1
269823	1784	82	74.61%	12.907 87	96	88.57%	15.12 859	Pon3
15108	938	82	91.79%	24.549 73	85	89.34%	25.47 641	Hsd17b1 0
66385	3653	82	53.08%	6.3037 63	56	44.18%	4.309 833	Ppp1r7
67442	1942	82	83.21%	11.857 7	69	78.94%	9.988 999	Retsat
24001	6144	82	41.52%	3.7479 89	40	18.99%	1.830 336	Tiam2

56515	3110	82	46.72%	7.4043 88	73	51.22%	6.599 098	Rnf138
68505	2631	82	68.23%	8.7524 31	93	75.07%	9.937 662	Vps51
12585	2525	82	66.02%	9.1198 6	102	79.33%	11.35 693	Cdr2
13666	4512	81	9.35%	5.0414 06	53	9.33%	3.302 394	Eif2ak3
gi 149258395 ref X M_001476645.1	8297	81	29.48%	2.7415 72	128	32.93%	4.337 215	-
gi 226443056 ref N M_027389.2	7536	81	26.88%	3.0184 21	63	21.51%	2.350 292	-
1E+08	606	81	52.81%	37.536 01	95	54.46%	44.07 305	Snhg12
104156	3847	81	59.16%	5.9128 73	76	59.60%	5.554 098	Etv5
94067	1213	81	85.24%	18.752 53	76	78.65%	17.61 469	Mrpl43
55963	3926	81	59.35%	5.7938 93	76	52.24%	5.442 337	Slc1a4
11546	1834	81	86.59%	12.402 85	45	57.80%	6.898 192	Parp2
74015	3399	81	67.20%	6.6922 1	31	32.19%	2.564 086	Fcho1
217830	3229	81	65.28%	7.0445 41	41	45.18%	3.569 751	9030617 O03Rik
67197	826	81	84.50%	27.538 53	114	84.75%	38.80 136	Zcrb1
60364	2336	81	76.58%	9.7375 09	70	68.88%	8.424 562	Donson
319748	3958	81	62.53%	5.7470 5	65	50.58%	4.616 998	Zfp865
68205	2143	81	57.30%	10.614 48	82	58.05%	10.75 756	Urm1
23986	1609	81	68.05%	14.137 24	73	74.52%	12.75 525	Eci2
216543	4810	81	51.21%	4.7290 69	48	37.01%	2.805 552	Cep68
80509	1845	81	57.94%	12.328 9	72	59.67%	10.97 13	Med8
68591	2884	81	66.12%	7.8872 48	66	69.52%	6.433 848	Mocos
66897	3911	81	56.12%	5.8161 14	76	52.34%	5.463 21	Naa16

67269	4389	81	54.11%	5.1826 89	59	39.71%	3.779 275	Agtppb1
gi 120444901 ref N R_003280.1	158	81	68.35%	143.96 72	22	66.46%	39.14 603	-
243905	7202	81	37.93%	3.1584 03	58	28.06%	2.264 107	Zfp568
20499	5131	81	52.08%	4.4332 14	57	39.84%	3.123 165	Slc12a7
52206	2668	81	71.93%	8.5257 95	54	52.74%	5.690 233	Anapc4
104725	1363	81	77.70%	16.688 79	88	77.62%	18.15 135	Sptssa
52837	5162	81	47.25%	4.4065 91	56	35.68%	3.049 946	Tmx4
72108	4267	81	55.66%	5.3308 7	60	43.80%	3.953 218	Ddhd2
70620	5892	81	32.48%	3.8606 28	70	28.14%	3.340 084	Ube2v2
227743	3044	81	61.70%	7.4726 75	85	60.64%	7.850 483	Mapkap1
57321	3599	81	54.54%	6.3203 17	76	53.71%	5.936 82	Terf2ip
235184	2307	81	75.81%	9.8599 14	74	62.90%	9.017 917	BC0244 79
104009	3399	81	54.57%	6.6922 1	78	52.16%	6.451 572	Qsox1
56470	1457	81	36.93%	15.612 09	57	33.56%	10.99 86	Rgs19
66520	1803	81	56.35%	12.616 1	98	64%	15.28 102	2610001 J05Rik
104806	7775	81	37.07%	2.9256 36	77	33.27%	2.784 277	Fancm
18590	1019	81	95.78%	22.322 69	186	93.13%	51.31 695	Pdgfa
20937	3116	81	63.32%	7.3000 07	68	49.78%	6.135 269	Suv39h1
28030	2598	80	65.70%	8.6474 2	73	67.17%	7.899 613	Gfm1
270118	6548	80	42.07%	3.4309 71	102	49.50%	4.379 39	Mam12
24070	1314	80	55.18%	17.097 41	69	57.31%	14.76 304	Mpdu1
20133	3997	80	47.94%	5.6207 15	47	36.48%	3.305 87	Rrm1

gi 146141136 ref N M_028835.3	3059	80	44.75%	7.3442 29	100	43.64%	9.190 574	-
16706	4087	80	58.70%	5.4969 41	47	37.26%	3.233 072	Ksr1
12632	2940	80	58.81%	7.6414 96	55	49.12%	5.259 415	Cfl2
66165	1260	80	75.71%	17.830 16	95	77.78%	21.19 704	Bccip
gi 142362668 ref N M_144833.2	2373	80	74.25%	9.4673 4	79	74.13%	9.359 475	-
226610	4986	80	49.44%	4.5058 16	60	41.76%	3.383 149	Fam78b
27103	5220	80	47.91%	4.3038 31	35	27.57%	1.885 036	Eif2ak4
70257	365	80	89.32%	61.550 68	100	92.88%	77.02 456	2010107 E04Rik
503610	2847	80	41.55%	7.8911 12	66	36.32%	6.517 463	Zdhc18
12041	2857	80	56.46%	7.8634 92	72	53.73%	7.085 074	Bckdk
320782	3342	80	59.22%	6.7223 21	63	45%	5.299 76	Tmem15 4
70350	1855	80	36.17%	12.111 05	60	28.52%	9.093 466	Basp1
109006	4327	80	40.58%	5.1920 49	77	30.30%	5.002 948	Ciapin1
74111	4008	80	48.45%	5.6052 89	72	57.14%	5.050 413	Rbm19
20975	5051	80	51.18%	4.4478 32	69	43.63%	3.840 554	Synj2
66815	1332	80	77.78%	16.866 36	84	75.68%	17.72 953	Ccdc109 b
23938	2258	80	77.28%	9.9495 12	61	66.21%	7.595 004	Map2k5
57370	1998	80	74.52%	11.244 24	97	82.13%	13.64 892	B4galt3
gi 110626164 ref N M_133985.1	1921	80	79.91%	11.694 95	46	61.17%	6.732 131	-
18020	3388	80	53.10%	6.6310 5	44	39.32%	3.651 164	Nfatc2ip
66526	6243	80	31.83%	3.5985 9	65	23.02%	2.927 131	Tdeanc2
13860	4402	80	32.78%	5.1035 89	91	35.62%	5.811 838	Eps8

102115	1455	80	78.56%	15.440 55	76	84.88%	14.68 496	Dohh
66091	349	80	95.42%	64.372 48	93	94.56%	74.91 687	Ndufa3
gi 118129804 ref N M_133878.2	2196	80	76.87%	10.230 42	74	76.78%	9.473 741	-
380912	4229	79	56.61%	5.2459 62	58	39.32%	3.855 782	Zfp395
12168	3507	79	64.73%	6.3259 69	26	30.42%	2.084 297	Bmpr2
21848	4053	79	54.75%	5.4737 66	43	36.39%	2.982 73	Trim24
666311	1996	79	81.16%	11.114 82	62	77.56%	8.732 795	Zfp498
320806	4486	79	40.88%	4.9454 24	47	29.38%	2.945 511	Gfm2
20931	1170	79	73.76%	18.961 69	93	81.37%	22.34 7	Surf2
16633	1886	79	77.31%	11.763 08	88	76.56%	13.11 786	Klra2
74205	3950	79	46.56%	5.6164 99	97	54.86%	6.903 936	Acs13
270198	3377	79	56.29%	6.5694 91	60	46.99%	4.995 078	Pfkfb4
56771	2040	79	70.25%	10.875 08	65	69.90%	8.957 881	Med20
56210	4279	79	50.74%	5.1846 63	57	38.79%	3.745 025	Rev1
83669	4169	79	56.27%	5.3214 61	56	40.25%	3.776 402	Wdr6
23908	4811	79	46.17%	4.6113 43	60	42.11%	3.506 211	Hs2st1
55992	2955	79	61.32%	7.5076 72	42	40.07%	3.995 894	Trim3
56249	2121	79	78.03%	10.459 77	61	71%	8.085 582	Actr8
66384	889	79	84.03%	24.955 2	94	77.28%	29.72 68	Srp19
67619	1647	79	82.21%	13.470 05	75	76.20%	12.80 235	Nob1
20737	3741	79	59.88%	5.9302 79	21	20.85%	1.578 17	Spn
71974	2495	79	72.02%	8.8918 53	61	65.97%	6.873 555	Prmt3

213006	3842	79	3.83%	5.7743 81	27	1.28%	1.975 734	Mfsd4
110446	3373	79	50.10%	6.5772 82	90	50.61%	7.501 503	Acat1
22325	3498	79	59.98%	6.3422 45	40	40.68%	3.214 862	Vav2
26939	4234	79	44.97%	5.2397 67	63	43.91%	4.183 231	Polr3e
53413	3344	79	56.55%	6.6343 22	61	44.59%	5.128 445	Exoc7
67457	3166	79	63.20%	7.0073 19	66	56.82%	5.860 776	Frmf8
68276	2008	79	74.15%	11.048 39	70	68.03%	9.800 685	Toe1
68428	3142	79	55.95%	7.0608 44	69	54.87%	6.173 977	Steap3
11839	1199	79	83.74%	18.503 06	470	93.74%	110.2 049	Areg
237887	3516	79	51.14%	6.3097 76	64	43.26%	5.117 445	Slfn10-p s
69769	1122	79	95.99%	19.772 88	54	86.54%	13.53 079	Tnfrsf81 2
170460	2500	79	76.68%	8.8740 69	69	64.12%	7.759 455	Stard5
320473	6437	79	37.13%	3.4465 08	58	30.01%	2.533 183	Heatr5b
13350	1776	79	83.16%	12.491 65	60	68.86%	9.497 962	Dgat1
19367	2046	79	75.61%	10.843 19	60	66.52%	8.244 565	Rad9
70099	4101	78	22.51%	5.3412 21	73	21.95%	5.004 437	Smc4
15353	1644	78	82.06%	13.323 81	96	87.17%	16.41 691	Hmg20b
319513	3505	78	54.35%	6.2494 57	74	49.81%	5.935 616	Pcd1a
14229	3523	78	57.03%	6.2175 27	143	78.85%	11.41 157	Fkbp5
215512	2334	78	61.53%	9.3848 96	54	61.40%	6.504 517	Fam117a
14790	568	78	79.40%	38.563 99	94	79.23%	46.52 663	Grc10
104348	4096	78	50.81%	5.3477 41	53	38.94%	3.637 793	Zfp120

68705	1467	78	86.03%	14.931 39	56	72.67%	10.73 198	Gtf2f2
140546	1574	78	77.83%	13.916 36	65	66.71%	11.60 996	Eri3
70397	1732	78	66.92%	12.646 85	50	62.99%	8.116 041	Tmem70
69029	608	78	93.91%	36.026 89	97	89.80%	44.85 287	1500032 L24Rik
67203	2306	78	77.88%	9.4988 5	57	67.30%	6.949 246	Nde1
66248	1471	78	83.62%	14.890 79	87	78.25%	16.62 757	Alg5
19671	1446	78	75.24%	15.148 23	65	76.56%	12.63 767	Rce1
66199	824	78	90.78%	26.582 95	49	80.95%	16.71 826	Comm4
gi 149267152 reflX M_972673.2	4997	78	32.50%	4.3835	20	14.07%	1.125 234	-
56292	1056	78	89.68%	20.742 75	78	89.11%	20.76 6	Naa10
67028	5842	78	41.73%	3.7494 6	53	29.08%	2.550 565	2610002 M06Rik
56791	1402	78	82.52%	15.623 64	61	71.47%	12.23 218	Ube216
68375	739	78	90.93%	29.640 52	80	87.96%	30.43 46	Ndufa8
245884	1203	78	69.99%	18.208 1	34	58.10%	7.945 759	Fam71f2
54138	2425	78	68.82%	9.0327 2	64	53.98%	7.419 768	Atxn10
64099	2700	78	72.70%	8.1127 21	58	55.67%	6.039 296	Parvg
277854	8213	78	30.37%	2.6670 34	70	30.50%	2.396 174	Depdc5
20017	4017	78	52.55%	5.4529 12	46	38.26%	3.219 424	Polr1b
74154	3414	78	54.36%	6.4160 36	50	36.47%	4.117 453	Unkl
18221	1363	78	61.41%	16.070 69	62	56.71%	12.78 845	Nudc
19934	2081	78	68.67%	10.525 88	97	75.16%	13.10 454	Rpl22
21343	2264	78	68.55%	9.6750 65	69	76.90%	8.568 302	Taf6

67727	5777	78	48.88%	3.7916 47	58	36.51%	2.822 59	Stx17
272359	2741	78	66.55%	7.9913 71	55	59.21%	5.641 256	Irf2bp1
219144	1505	78	85.65%	14.554 38	109	83.72%	20.36 161	Arl11
57423	496	78	82.86%	44.161 99	118	82.46%	66.88 403	Atp5j2
15903	964	78	77.18%	22.722 35	93	85.27%	27.12 239	Id3
23999	1594	78	83.25%	13.741 75	61	76.54%	10.75 88	Twf2
23853	2294	78	77.46%	9.5485 38	48	59.90%	5.882 608	Def6
225467	2736	78	60.23%	8.0059 75	55	47.37%	5.651 565	Pggt1b
71653	4081	78	47.39%	5.3673 97	84	49.72%	5.786 751	4930506 M07Rik
108670	1869	78	71.96%	11.719 82	87	72.93%	13.08 676	Epsti1
58240	2958	78	63.22%	7.4051 21	55	52.94%	5.227 411	Hs1bp3
103742	762	78	84.91%	28.745 86	79	90.29%	29.14 703	Mien1
170786	1484	78	78.84%	14.760 34	115	87.67%	21.78 643	Cd209a
238692	3252	77	56.86%	6.6493	58	45.91%	5.014 176	Zfp874a
17714	4065	77	50.97%	5.3194 4	68	51.09%	4.702 951	Grpel2
71675	4140	77	48.82%	5.2230 73	52	46.06%	3.531 223	0610010 F05Rik
330544	3708	77	48.30%	5.8315 86	50	33.04%	3.790 988	C230091 D08Rik
237073	5621	77	36.83%	3.8469 17	46	26.97%	2.300 734	Rbm41
gi 21703721 ref N M_145358.1	2661	77	64.98%	8.1260 89	79	72.53%	8.346 499	-
73174	3358	77	55.36%	6.4394 05	57	55.78%	4.772 174	Tbkbp1
239647	2216	77	68.64%	9.7579 07	47	61.55%	5.962 8	Pced1b
272027	3726	77	47.53%	5.8034 14	52	38%	3.923 581	Tstd2

74237	3085	77	68.23%	7.0092 45	48	51.57%	4.374 296	Tubgcp2
331004	3492	77	63.80%	6.1923 03	56	47.42%	4.508 54	Slc9a9
19090	12674	77	23.17%	1.7061 32	40	13.25%	0.887 296	Prkdc
gi 162417962 ref N M_001111316.1	5664	77	8.72%	3.8177 12	25	7.79%	1.240 906	-
gi 21450264 ref N M_144893.1	1889	77	74.91%	11.447 07	46	61.46%	6.846 175	-
59046	4032	77	45.96%	5.3629 77	88	48.41%	6.135 985	Arpp19
231151	3791	77	53.65%	5.7039 1	44	36.27%	3.263 03	Tada2b
26374	5056	77	35.42%	4.2768 04	72	30.10%	4.003 571	Rfwd2
70601	3125	77	58.37%	6.9195 27	65	58.94%	5.847 705	Ecd
19377	7348	77	36.32%	2.9427 77	48	24.96%	1.836 514	Rai1
269198	12108	77	24.70%	1.7858 87	45	16.01%	1.044 87	Nbeal1
235606	2407	77	69.05%	8.9835 99	75	63.07%	8.760 064	Apeh
231807	2557	77	64.96%	8.4565 98	75	61.05%	8.246 177	BC0370 34
22428	964	77	85.17%	22.431 04	53	75.83%	15.45 685	Dctn6
110078	3860	77	56.37%	5.6019 49	49	43.11%	3.568 871	Pygb
16416	5795	77	40.81%	3.7314 1	50	27.39%	2.425 709	Itgb3
gi 60097936 ref N M_026322.3	1890	77	56.61%	11.441 02	87	61.06%	12.94 135	-
216445	1811	77	75.76%	11.940 1	55	59.97%	8.538 201	Arhgap9
72144	4065	77	57.69%	5.3194 4	43	40.54%	2.973 925	Slc37a3
21854	917	77	89.09%	23.580 72	67	82.77%	20.54 128	Timm17 a
23988	3808	77	41.02%	5.6784 46	78	40.99%	5.758 638	Pin1
71673	1953	77	66.82%	11.071 95	78	71.58%	11.22 831	Rnf215

56620	1245	77	86.51%	17.368 29	64	86.43%	14.45 216	Clec4n
232164	3330	77	63.39%	6.4935 5	64	57.30%	5.403 285	Paip2b
16558	5446	76	45.02%	3.9189 68	72	44.29%	3.716 867	Kif16b
232236	1757	76	78.32%	12.147 24	74	77.92%	11.84 083	Ccdc174
20351	3224	76	70.87%	6.6199 43	50	47.24%	4.360 106	Sema4a
51885	2563	76	56.46%	8.3272 33	46	48.34%	5.045 815	Tubgcp4
73442	5733	76	47.34%	3.7227 8	67	37.73%	3.285 602	Hspa12a
226541	4037	76	53.46%	5.2867 72	32	31.38%	2.228 504	Klhl20
66612	2023	76	72.17%	10.550 02	73	68.07%	10.14 493	Ormdl3
56196	1977	76	70.86%	10.795 5	55	70.01%	7.821 285	Tdp2
208146	6143	76	43.74%	3.4743 12	43	26.68%	1.967 932	Yeats2
108934	4499	76	47.32%	4.7438 76	51	37.41%	3.186 958	BC0246 59
67050	4262	76	50.05%	5.0076 72	35	30.46%	2.308 749	Nkap
67554	1706	76	74.50%	12.510 37	63	77.61%	10.38 206	Slc25a30
69085	1544	76	84.07%	13.822 99	67	80.57%	12.19 971	Zcchc9
12593	3494	76	60.07%	6.1083 85	60	48.80%	4.827 813	Cdyl
66860	7873	76	32.19%	2.7108 72	69	31%	2.463 945	Tanc1
107435	1576	76	83.95%	13.542 32	64	80.52%	11.41 684	Hat1
24018	4153	76	44.52%	5.1391 04	52	38.94%	3.520 169	Rngtt
52712	2353	76	70.17%	9.0704 2	76	64.22%	9.080 584	Zkscan6
gi 113930756 ref NM_009113.3	682	76	71.55%	31.294 28	103	69.65%	42.45 951	-
21766	1454	76	81.84%	14.678 61	63	82.12%	12.18 143	Tex261

22033	2222	76	74.48%	9.6051 74	105	81.37%	13.28 518	Traf5
13480	2293	76	44.27%	9.3077 62	75	42.35%	9.195 584	Dpm1
353190	3343	76	66.83%	6.3842 95	61	54.26%	5.129 979	Edc3
28019	1617	76	83.98%	13.198 95	49	79.90%	8.519 384	Ing4
74202	3109	76	58.54%	6.8648 11	94	62.98%	8.500 202	Fblim1
67444	1368	76	78.22%	15.601 39	73	80.41%	15.00 234	Ilkap
268882	4110	76	56.18%	5.1928 7	45	40.95%	3.078 171	Fbxo45
12802	3865	75	55.14%	5.4493 85	28	23.93%	2.036 717	Cnr2
67264	641	75	99.53%	32.857 83	95	88.92%	41.66 656	Ndufb8
1.01E+08	1191	75	64.74%	17.684 19	20	30.98%	4.721 069	Tpsab1
14227	661	75	85.02%	31.863 65	109	86.69%	46.36 04	Fkbp2
235504	3201	75	63.17%	6.5797 79	65	53.89%	5.708 865	Slc17a5
59016	1848	75	77.11%	11.397 12	49	60.55%	7.454 461	Thap11
12050	3476	75	54.55%	6.0592 27	42	45.94%	3.396 969	Bcl2l2
77733	4049	75	55.82%	5.2017 47	44	35.02%	3.055 111	Rnf170
71807	3322	75	35.46%	6.3401 18	38	21.52%	3.215 926	Tars2
241230	3166	75	60.11%	6.6525 18	84	64.28%	7.459 17	St8sia6
99470	6672	75	38.11%	3.1567 55	76	34.05%	3.202 43	Magi3
66902	2558	75	64.39%	8.2337 26	60	57.62%	6.594 363	Mtap
97961	1993	75	59.66%	10.567 92	71	48.42%	10.01 551	Nol12
69274	4627	75	49.71%	4.5519 5	100	54.57%	6.076 068	Ctdspl
320615	9124	75	24.90%	2.3084 03	51	17.34%	1.571 473	Dopey1

69639	1282	75	65.44%	16.428 92	52	61.47%	11.40 348	Exosc8
21428	1992	75	75.90%	10.573 23	79	75.10%	11.14 962	Mlx
226823	3703	75	52.47%	5.6877 86	52	48.04%	3.947 951	Kctd3
68755	1202	75	73.29%	17.522 36	94	80.12%	21.98 596	Cgrrf1
19656	1750	75	45.71%	12.035 36	82	60.11%	13.17 34	Rbmx11
235542	6938	75	36.13%	3.0357 27	59	31.16%	2.390 781	Ppp2r3a
gi 142352689 ref NM_153082.3	4695	75	48.54%	4.4860 22	43	33.01%	2.574 868	-
gi 118130155 ref NM_010796.2	1345	75	77.70%	15.659 38	70	79.11%	14.63 18	-
382406	2727	75	71.87%	7.7234 59	47	53.91%	4.845 458	Poc1b
14894	1318	75	74.36%	15.980 18	44	68.89%	9.385 543	Gtl3
74153	3162	75	67.43%	6.6609 34	54	51.45%	4.801 247	Uba7
18108	1877	75	76.88%	11.221 03	63	77.20%	9.436 227	Nmt2
66352	4014	74	44.15%	5.1771 42	52	36.40%	3.642 068	Blzf1
gi 146198680 ref NM_201230.4	3074	74	58.56%	6.7602 63	66	56.99%	6.036 18	-
219189	6928	74	37.92%	2.9995 74	93	38.45%	3.773 959	Vwa8
66156	3384	74	31.35%	6.1409 71	58	27.25%	4.818 588	Anapc11
18479	3081	74	62.09%	6.7449 03	101	67.19%	9.216 198	Pak1
22379	4428	74	53.46%	4.6931	55	36.59%	3.492 024	Fmnl3
234138	5059	74	35.50%	4.1077 38	41	30.05%	2.278 459	Tti2
170749	5710	74	42.91%	3.6394 13	30	23.06%	1.477 091	Mtmr4
gi 149260498 ref XM_001477587.1	5391	74	35.45%	3.8547 67	52	28.79%	2.711 79	-
72084	1019	74	78.51%	20.393 57	81	78.21%	22.34 771	Pigx

72795	3419	74	58.41%	6.0781 07	59	48.90%	4.851 489	Ttc19
230770	1845	74	75.61%	11.263 44	74	69.97%	11.27 606	Tmem39 b
108159	2817	74	55.56%	7.3770 14	76	50.76%	7.584 883	Ubxn8
72195	2692	74	65.97%	7.7195 57	55	44.76%	5.743 938	Supt71
215051	2208	74	74.37%	9.4117 06	55	64.36%	7.003 026	Bud13
gi 226958394 ref N M_011614.2	1515	74	39.14%	13.716 86	90	41.32%	16.70 137	-
328232	6654	74	35.27%	3.1230 91	86	39.78%	3.633 605	Gfod1
66641	2798	74	67.37%	7.4271 08	43	48.71%	4.320 588	Sike1
67608	4426	74	47.67%	4.6952 21	19	19.68%	1.206 881	Narf
212114	1560	74	78.14%	13.321 18	41	61.28%	7.388 927	Nhlrc3
14461	3258	74	58.75%	6.3784 68	21	28.48%	1.812 134	Gata2
208647	3318	74	54.37%	6.2631 25	50	39.21%	4.236 583	Creb3l2
384009	2019	74	71.77%	10.292 74	39	55.97%	5.430 632	Glipr2
1.01E+08	3466	74	58.80%	5.9956 86	48	45.76%	3.893 452	Atg14
14756	4659	74	34.26%	4.4604 09	30	18.29%	1.810 3	Gpld1
70239	2787	74	66.88%	7.4564 22	47	41.94%	4.741 142	Gtf3c5
67201	2523	74	66.90%	8.2366 42	69	65.99%	7.688 718	Glod4
20592	5471	74	44.27%	3.7984	58	34.22%	2.980 461	Kdm5d
64214	1859	74	68.80%	11.178 62	60	70.58%	9.073 9	Rgs18
330814	8202	74	28.72%	2.5336 56	41	18.69%	1.405 356	Lphn1
270669	4799	74	39.76%	4.3302 87	57	32.38%	3.339 229	Mbtps2
66618	836	74	90.55%	24.857 71	77	89.83%	25.89 444	Snrnp27

108099	3340	74	59.19%	6.2218 7	99	65.72%	8.333 182	Prkag2
246728	3873	74	50.99%	5.3656 2	87	59.39%	6.315 298	Oas2
80891	1991	74	77.70%	10.437 49	58	78.85%	8.189 905	FcrIs
57279	1783	74	78.13%	11.655 1	65	65.40%	10.24 906	Slc25a20
78558	2740	74	52.37%	7.5843 24	109	62.92%	11.18 402	Htra3
66212	552	74	63.95%	37.646 82	77	64.31%	39.21 695	Sec61b
17089	1568	74	66.90%	13.253 22	82	83.23%	14.70 246	Lyar
50780	4704	74	6.89%	4.4177 4	48	2.08%	2.868 772	Rgs3
101568	1790	74	74.58%	11.609 52	57	68.77%	8.952 492	Vrk3
85305	2173	73	45.05%	9.4340 65	87	46.39%	11.25 594	Kars
240756	3196	73	60.54%	6.4143 37	75	57.54%	6.597 458	Klhl12
21425	2357	73	66.23%	8.6975 91	50	61.22%	5.963 93	Tfeb
21872	7054	73	38.52%	2.9061 84	68	35.71%	2.710 164	Tjp1
79043	1953	73	68.10%	10.496 79	52	57.96%	7.485 541	Spsb3
237500	5990	73	36.84%	3.4224 08	59	29.42%	2.769 155	Tmtc3
433926	2841	73	66.21%	7.2158 47	35	44.35%	3.463 53	Lrrc8b
18408	3469	73	59.44%	5.9095 48	59	49.29%	4.781 562	Slc25a15
gi 153792499 ref NM_001081128.2	4092	73	55.50%	5.0098 29	63	48.88%	4.328 397	-
229534	4481	73	15.53%	4.5749 21	55	12.61%	3.450 721	Pbxip1
211064	1968	73	71.09%	10.416 78	67	67.33%	9.571 32	Alkbh1
23972	3635	73	52.32%	5.6396 76	41	36.75%	3.171 039	Papss2
18755	3301	73	66.46%	6.2103 07	49	43.84%	4.173 233	Prkch

gi 141801912 ref N M_030560.3	3279	73	53.25%	6.2519 74	51	42.85%	4.372 712	-
20587	1674	73	83.09%	12.246 25	69	74.67%	11.58 819	Smarcb1
72615	2483	73	71.85%	8.2562 31	64	63.15%	7.246 451	Anks3
231889	735	73	53.47%	27.891 46	74	56.33%	28.30 522	Bud31
1E+08	1789	73	52.32%	11.459 04	62	46.95%	9.743 241	Gm4720
52713	1078	73	93.60%	19.016 9	75	94.34%	19.55 981	Ccdc59
gi 118130126 ref N M_011546.2	5218	73	46.72%	3.9287 51	41	28.33%	2.209 031	-
21841	4477	73	44.65%	4.5790 09	49	36.43%	3.077 026	Tia1
56505	1670	73	70.60%	12.275 58	62	78.62%	10.43 752	Ruvb11
66736	1245	73	86.10%	16.466 04	76	87.07%	17.16 194	Emc2
20437	2121	73	72.94%	9.6653 57	67	68.74%	8.880 885	Siah1a
320713	7420	73	23.33%	2.7628 33	41	18.42%	1.553 467	Mysm1
57315	2235	73	77.72%	9.1723 59	73	75.21%	9.182 638	Wdr46
14293	1332	73	92.27%	15.390 56	92	91.67%	19.41 805	Fpr1
237422	3114	73	62.49%	6.5832 44	65	49.65%	5.868 362	Ric8b
57743	2369	73	66.15%	8.6535 34	56	53.31%	6.645 767	Sec61a2
94062	1531	73	79.75%	13.390 09	84	79.95%	15.42 504	Mrpl3
54608	2903	73	56.70%	7.0617 37	39	41.37%	3.776 937	Abhd2
26388	1796	73	61.80%	11.414 38	76	56.96%	11.89 678	Ifi202b
330788	5780	73	43.62%	3.5467 51	38	25.48%	1.848 323	Zfp866
12039	1773	73	83.19%	11.562 45	92	89.11%	14.58 818	Bckdha
72440	1898	73	61.38%	10.800 96	63	59.64%	9.331 822	Rhno1

66136	686	72	83.53%	29.474 34	58	86.01%	23.76 983	Znrd1
80288	5341	72	46.23%	3.7856 95	26	18.48%	1.368 589	Bcl9l
66659	1756	72	75.74%	11.514 46	45	55.24%	7.204 604	Acp6
11532	1533	72	61.45%	13.189 43	86	67.84%	15.77 17	Adh5
59007	2901	72	58.43%	6.9698 03	70	60.05%	6.783 791	Ngly1
11480	5681	72	42.05%	3.5591 26	59	30.91%	2.919 775	Acvr2a
12769	4392	72	47.02%	4.6036 88	74	43.67%	4.736 87	Ccr9
15109	2758	72	69.14%	7.3311 81	110	77.16%	11.21 297	Hal
239273	5729	72	39.99%	3.5293 07	45	29.50%	2.208 288	Abcc4
78330	1594	72	70.95%	12.684 69	96	64.18%	16.93 187	Ndufv3
232187	2507	72	70.68%	8.0651 76	48	63.54%	5.382 81	Smyd5
214952	2825	72	59.26%	7.1573 09	47	46.55%	4.677 368	Rhot2
28106	913	72	93.76%	22.146 11	102	95.40%	31.40 881	D17Wsu 104e
71240	3535	72	55.62%	5.7197 73	43	43.68%	3.419 804	Osbpl7
71799	3219	72	64.37%	6.2812 67	70	52.53%	6.113 63	Ptcd1
66682	2072	72	76.06%	9.7583 96	72	70.22%	9.769 332	Trappc5
66368	1576	72	70.24%	12.829 57	42	63.71%	7.492 301	Rtcd1
19725	3353	72	52.85%	6.0302 41	22	22.04%	1.844 638	Rfx2
109801	1958	72	72.11%	10.326 56	40	56.18%	5.743 405	Glo1
103266	3778	72	54.05%	5.3518 79	60	45.71%	4.464 897	AI59746 8
227682	2576	72	63.66%	7.8491 45	37	48.56%	4.038 108	Trub2
66394	2134	72	65.70%	9.4748 82	64	68.70%	8.431 555	Nosip

67225	3888	72	44.93%	5.2004 62	74	44.86%	5.350 909	Rnpc3
72699	1987	72	80.62%	10.175 84	42	50.18%	5.942 56	Lime1
66121	619	72	78.03%	32.664 62	53	77.54%	24.07 173	Chchd1
76850	6527	72	38.27%	3.0978 09	36	22.26%	1.550 64	Eif2c4
77519	6305	72	40.10%	3.2068 83	24	16.35%	1.070 159	Zfp266
54197	1101	72	85.65%	18.364 58	57	75.75%	14.55 491	Rnf5
72948	5108	72	40.90%	3.9583 78	13	10.88%	0.715 508	Tppp
67466	2859	72	62.89%	7.0721 92	87	71.74%	8.555 142	Pdcl
68742	962	72	85.86%	21.018 08	95	92.31%	27.76 327	Tmem21 9
19087	4041	72	53.35%	5.0035 63	72	47.64%	5.009 17	Prkar2a
15129	626	72	80.83%	32.299 36	100	69.17%	44.91 049	Hbb-b1
332579	1611	72	81.19%	12.550 84	49	70.58%	8.551 113	Card9
13537	1630	72	69.82%	12.404 54	116	81.04%	20.00 749	Dusp2
22608	2191	72	24.42%	9.2283 88	46	24.69%	5.902 521	Ybx1
14289	1296	72	84.88%	15.601 39	83	80.40%	18.00 509	Fpr2
72181	3526	72	50.68%	5.7343 72	44	42.99%	3.508 266	Nsun4
56404	7172	72	36.07%	2.8192 13	48	25.64%	1.881 582	Trip4
23991	837	72	86.98%	24.156 99	78	94.03%	26.19 939	Cib1
14450	3329	72	63.83%	6.0737 15	46	48.48%	3.884 778	Gart
13448	1821	72	70.40%	11.103 46	39	57.61%	6.021 113	Dok1
53414	3854	72	48.34%	5.2463 41	71	49.20%	5.179 272	Bysl
232987	1058	71	73.44%	18.845 53	72	74.86%	19.13 238	B9d2

19088	3358	71	60.07%	5.9376 33	40	37.97%	3.348 894	Prkar2b
20022	586	71	92.83%	34.024 87	78	96.42%	37.42 132	Polr2j
gi 118130788 ref NM_016850.2	1830	71	86.23%	10.895 39	100	90.49%	15.36 282	-
20723	3397	71	57.02%	5.8694 65	60	50.19%	4.965 67	Serpib9
16922	1474	71	84.67%	13.526 85	73	83.38%	13.92 347	Phyh
66307	2563	71	68.83%	7.7793 88	68	60.79%	7.459 031	Isoc1
381694	4543	71	50.28%	4.3888 56	48	41.01%	2.970 439	B3gatl
66315	4883	71	45.61%	4.0832 63	30	20.70%	1.727 256	Senp7
66246	1608	71	56.22%	12.399 61	55	56.53%	9.616 095	Osgep
16994	1122	71	67.11%	17.770 56	30	70.14%	7.517 103	Ltb
108014	1162	71	74.18%	17.158 84	77	76.16%	18.62 974	Srsf9
67199	1077	71	68.34%	18.513 07	56	59.80%	14.61 822	Pfdn1
382056	5674	71	41.89%	3.5140 24	61	35.81%	3.022 474	Crtc1
64945	3794	71	56.72%	5.2552 91	62	46.20%	4.594 27	Cldn12
232853	2042	71	72.97%	9.7642 37	79	75.81%	10.87 661	Zfp954
26442	1217	71	47.33%	16.383 38	100	48.56%	23.10 104	Psma5
71881	2190	71	74.93%	9.1043 71	93	73.01%	11.93 881	Apmap
12778	2579	71	59.79%	7.7311 25	107	65.14%	11.66 419	Cxcr7
67255	3165	71	47.90%	6.2997 07	81	43.89%	7.195 043	Zfp422
67332	604	71	80.79%	33.010 88	92	88.41%	42.82 26	Snrpd3
20872	2885	71	55.49%	6.9111 17	63	53.34%	6.139 272	Stk16
66374	1659	71	84.63%	12.018 43	59	76.49%	9.998 336	2310011 J03Rik

107701	1697	71	33.24%	11.749 31	58	42.19%	9.608 78	Sf3b4
80286	1527	71	79.70%	13.057 35	60	74.33%	11.04 675	Tusc3
319601	2174	71	64.03%	9.1713 76	50	53.50%	6.465 954	Zfp653
53611	3405	71	59.77%	5.8556 75	55	48.75%	4.541 169	Vti1a
192192	2347	71	65.79%	8.4953 44	49	59.10%	5.869 554	Shkbp1
79362	1421	71	86.07%	14.031 37	40	59.89%	7.913 854	Bhlhe41
66489	452	70	25.66%	43.490 59	73	16.15%	45.40 53	Rpl35
71361	3152	70	55.77%	6.2365 95	70	60.85%	6.243 584	Aifm2
56361	1868	70	77.89%	10.523 42	59	64.56%	8.879 679	Pus1
56280	1496	70	86.50%	13.140 21	67	74.60%	12.59 115	Mrpl37
67493	2718	70	60.52%	7.2324 31	62	62.91%	6.413 046	Mettl16
67923	968	70	60.74%	20.307 59	73	62.19%	21.20 165	Tceb1
229599	1395	70	79.86%	14.091 58	59	76.06%	11.89 049	Gm129
102182	2781	70	56.92%	7.0685 89	71	60.63%	7.177 604	Prmt10
76251	5589	70	41.30%	3.5172 21	57	31.62%	2.867 232	0610007 P08Rik
67369	2100	70	69.10%	9.3608 32	51	58.43%	6.827 677	Qpctl
54483	3249	70	61.90%	6.0503 99	50	50.97%	4.326 557	Mefv
67532	3419	70	30.71%	5.7495 61	66	30.54%	5.427 089	Mfap1a
68732	5158	70	37.15%	3.8111 18	47	29.27%	2.561 761	Lrrc16a
320267	3740	70	58.24%	5.2560 82	52	44.73%	3.908 894	Fubp3
16319	3217	70	53.56%	6.1105 84	65	50.67%	5.680 472	Incenp
320683	6116	70	39.29%	3.2141 51	64	33.18%	2.941 945	Zfp629

14211	5337	70	40.68%	3.6832 95	67	37.29%	3.529 391	Smc2
66213	2560	70	46.37%	7.6788 08	76	41.91%	8.346 334	Med7
330817	1332	70	86.64%	14.758 07	71	85.66%	14.98 567	Dhps
71169	7256	70	35.79%	2.7091 71	81	36.49%	3.138 411	Nbas
26451	1112	70	55.40%	17.677 83	58	53.42%	14.66 376	Rpl27a
66349	2389	70	68.86%	8.2284 42	36	42.03%	4.236 512	Atp5sl
11992	1345	70	81.93%	14.615 43	71	81.78%	14.84 083	Auh
245000	8074	70	28.94%	2.4346 97	44	19%	1.532 096	Atr
71375	2611	70	63%	7.5288 19	41	47.49%	4.414 679	Foxn3
18115	5355	70	25.73%	3.6709 15	71	27.62%	3.727 529	Nnt
16205	1505	70	74.95%	13.061 63	51	61%	9.526 992	Gimap1
27395	4216	70	30.19%	4.6626 54	57	26.19%	3.800 987	Mrpl15
gi 227499340 ref NM_025735.2	983	70	91.86%	19.997 71	80	92.47%	22.88 014	-
100678	1554	70	72.52%	12.649 77	59	71.30%	10.67 39	Psph
74504	2028	70	72.53%	9.6931 69	50	52.27%	6.931 451	Fam53a
80914	1338	70	78.70%	14.691 89	31	61.81%	6.513 699	Uck2
14976	728	70	90.80%	27.002 4	81	88.32%	31.28 065	H2-Ke2
72479	2632	70	67.33%	7.4687 49	69	66.60%	7.370 303	Hsd12
67211	2014	70	65.79%	9.7605 5	45	54.32%	6.281 671	Armc10
268567	3904	70	52%	5.0352 84	31	25%	2.232 41	Tmem22 9b
14156	2215	70	76.30%	8.8748 3	70	67.31%	8.884 775	Fen1
66578	1300	70	62.92%	15.121 34	54	66%	11.67 811	Mis18a

17997	3542	70	56.24%	5.5499	50	48.22%	3.968 657	Nedd1
12371	3896	70	53.41%	5.0456 23	39	33.78%	2.814 283	Casp9
69875	2661	70	23.34%	7.3873 53	71	25.25%	7.501 284	Ndufa11
232440	1827	70	56.27%	10.759 58	58	55.45%	8.925 069	H2afj
gi 124487472 ref N M_001081426.1	8025	70	32.30%	2.4495 64	69	27.59%	2.417 276	-
73086	4406	70	50.27%	4.4615 86	53	39.51%	3.381 843	Rps6ka5
gi 149252979 ref X M_001475706.1	1114	70	23.25%	17.646 09	100	21.18%	25.23 695	-
19384	2288	70	47.55%	8.5916 73	69	46.33%	8.478 425	Ran
19724	4179	70	48.41%	4.7039 36	29	25.46%	1.950 957	Rfx1
gi 142365745 ref N M_009737.2	1581	70	82.61%	12.433 74	56	76.85%	9.958 141	-
114128	1897	70	71.27%	10.362 54	45	49.82%	6.669 101	Laptm4b
102209	1528	69	82.79%	12.681 23	54	78.73%	9.935 564	Snapc2
57316	2957	69	34.36%	6.5528 99	40	30.47%	3.803 039	C1d
67693	620	69	84.84%	31.253 1	73	94.84%	33.10 193	2310003 F16Rik
235497	2192	69	77.87%	8.8398 37	62	73.08%	7.951 943	Leo1
66172	903	69	89.48%	21.458 39	63	80.18%	19.61 439	Med11
12366	3463	69	63.56%	5.5954 15	34	34.42%	2.760 251	Casp2
gi 146149306 ref N M_054046.4	3756	69	50.24%	5.1589 25	47	39.24%	3.517 988	-
215015	4238	69	36.39%	4.5721 86	53	30.32%	3.515 904	Fam20b
118451	2079	69	79.70%	9.3203 09	52	67.63%	7.031 872	Mrps2
227835	2554	69	66.05%	7.5868 92	41	44.24%	4.513 205	Gtdc1
67326	1241	69	86.62%	15.613 96	73	85.01%	16.53 763	1700037 H04Rik

13549	2520	69	66.11%	7.6892 55	51	51.43%	5.689 731	Dyrk1b
242705	4746	69	45.01%	4.0827 9	35	27.45%	2.073 301	E2f2
671535	3411	69	58.58%	5.6807 16	45	43.39%	3.708 967	Parp10
215243	2142	69	62.23%	9.0461 82	22	35.01%	2.887 522	Traf3ip3
14791	1086	69	64.09%	17.842 47	85	69.34%	22.00 449	Emg1
231637	3174	69	52.46%	6.1048 9	24	32.86%	2.125 82	Ssh1
68646	3731	69	47.55%	5.1934 93	32	27.85%	2.411 276	Nadkd1
20912	2406	69	16.17%	8.0535 84	46	19.83%	5.375 072	Stxbp3a
14025	3425	69	51.97%	5.6574 96	40	30.74%	3.283 383	Bcl11a
16504	5072	69	43.71%	3.8203 71	73	44.24%	4.046 371	Kcnc3
79566	3023	69	58.05%	6.4098 32	45	48.13%	4.185 01	Sh3bp5l
68298	4527	69	49.57%	4.2803 01	72	46.85%	4.471 406	Ncapd2
208968	4366	69	47.73%	4.4381 41	55	40.06%	3.541 613	Zfp280c
114604	6346	69	38.80%	3.0534 07	39	24.42%	1.727 773	Prdm15
108903	3912	69	47.42%	4.9532 01	34	29.70%	2.443 443	Tbcd
56748	968	69	78.10%	20.017 48	71	71.49%	20.62 078	Nfu1
gi 160333431 ref NM_026665.3	2515	69	68.23%	7.7045 42	50	61.03%	5.589 258	-
109652	1431	69	70.86%	13.540 83	52	71.21%	10.21 612	Acy1
17920	7868	69	32.09%	2.4627 51	46	19.79%	1.643 674	Myo6
213233	2080	69	75.14%	9.3158 28	86	75.62%	11.62 404	Tapbpl
gi 168823440 ref NM_001033259.3	1423	69	79.55%	13.616 95	62	82.92%	12.24 923	-
58887	3177	69	57.79%	6.0991 26	71	55.90%	6.282 945	Repin1

244049	5810	69	42.79%	3.3350 99	41	25.06%	1.983 946	Mctp2
217335	5404	68	44.99%	3.5336 97	30	22.78%	1.560 731	Fbf1
20316	1284	68	47.59%	14.872 35	70	45.64%	15.32 693	Sdf2
78903	2642	68	59.20%	7.2278 95	55	45.16%	5.852 642	Wmip1
216233	2222	68	60.98%	8.5941 03	40	45.50%	5.061 02	Socs2
76338	2770	68	61.37%	6.8938 98	57	57.51%	5.785 184	Rab2b
12122	1906	68	71.14%	10.018 94	62	65.01%	9.145 152	Bid
52357	5042	68	47.62%	3.7874 05	72	47.24%	4.014 688	Wwc2
69009	1164	68	82.13%	16.405 58	63	91.49%	15.21 632	Thap7
gi 86476043 ref N M_033623.5	3545	68	38.56%	5.3867 69	60	43.95%	4.758 358	-
52715	2307	68	71.95%	8.2774 59	60	59.08%	7.311 825	Ccdc43
68118	1230	68	84.23%	15.525 28	73	86.91%	16.68 552	9430023 L20Rik
245847	1463	68	84.83%	13.052 7	58	75.60%	11.14 566	Amdhd2
66646	2630	68	65.55%	7.2608 74	58	56.46%	6.200 038	Rpe
74008	3292	68	63.67%	5.8007 59	89	63.70%	7.600 677	Arsg
57443	4659	68	42.73%	4.0987 55	43	31.59%	2.594 764	Fbxo3
gi 149251955 ref X M_001004193.2	852	68	86.97%	22.413 26	128	90.61%	42.23 694	-
14731	2036	68	74.71%	9.3792 23	61	73.82%	8.423 143	Gpaal
15951	2302	68	22.94%	8.2954 38	99	23.85%	12.09 072	Ifi204
214359	1874	68	77.48%	10.190 02	64	77.32%	9.601 355	Tmem51
104457	905	68	82.43%	21.100 66	65	83.98%	20.19 235	0610010 K14Rik
67732	941	68	81.08%	20.293 41	45	75.13%	13.44 451	Iah1

71999	2117	68	46.91%	9.0203 58	60	43.13%	7.968 058	Fbxo22
232210	1422	68	86.22%	13.429 04	51	77%	10.08 307	8430410 A17Rik
54402	1078	68	90.72%	17.714 38	54	87.57%	14.08 306	Stk19
56398	2626	68	18.96%	7.2719 34	84	19.31%	8.993 043	1500003 O03Rik
72183	1879	68	46.46%	10.162 9	74	49.28%	11.07 202	Snx6
240505	5994	68	40.24%	3.1858 69	90	42.14%	4.221 316	Cdc42bp g
245638	5907	68	40.36%	3.2327 91	42	23.51%	1.998 962	Tbc1d8b
gi 141803224 ref N M_028811.2	2722	68	65.39%	7.0154 66	37	47.80%	3.821 516	-
71323	1733	68	78.02%	11.019 1	24	45.53%	3.893 452	Rassf8
69068	1331	68	83.77%	14.347 18	132	95.19%	27.88 162	1810011 O10Rik
52187	5047	68	45.18%	3.7836 53	32	27.86%	1.782 538	Rragd
70427	2588	68	67.31%	7.3787 08	52	60.47%	5.648 865	Mier2
214150	7635	68	33.02%	2.5011 26	50	27.06%	1.841 124	Eif2c3
68763	597	67	89.95%	31.516 37	82	91.96%	38.61 55	1110038 B12Rik
12047	796	67	30.15%	23.637 28	86	31.91%	30.37 439	Bcl2a1d
66108	1322	67	75.49%	14.232 43	99	86.84%	21.05 358	Ndufa9
54397	1701	67	69.90%	11.061 3	88	73.96%	14.54 456	Ppt2
18583	3488	67	53.84%	5.3942 87	56	48.22%	4.513 71	Pde7a
12033	1954	67	72.67%	9.6291 06	55	58.90%	7.913 348	Bcap29
235047	1786	67	60.13%	10.534 87	57	59.52%	8.972 542	Zfp809
1E+08	3994	67	32.80%	4.7108 84	37	26.39%	2.604 449	Gm3813
107732	1682	67	82.40%	11.186 25	74	84.60%	12.36 881	Mrpl10

320376	6142	67	41.75%	3.0633 79	22	15.47%	1.007 013	Bcor11
1E+08	2482	67	67.45%	7.5806 9	51	60.96%	5.776 842	Fam129c
14536	6185	67	39.74%	3.0420 81	63	37.07%	2.863 67	Nr6a1
71986	1871	67	68.15%	10.056 27	61	73.86%	9.165 964	Ddx28
66383	887	67	56.37%	21.212 26	72	58.85%	22.82 081	Iscu
17952	6705	67	23.25%	2.8061 55	85	28.53%	3.564 037	Naip6
gi 148747482 ref NM_017404.3	1042	67	91.17%	18.056 88	74	92.32%	19.96 577	-
gi 10946575 ref NM_021274.1	1063	67	52.02%	17.700 16	284	53.90%	75.11 163	-
56876	2949	67	59.68%	6.3802 21	63	58.39%	6.006 035	Nelf
102323	3059	67	55.05%	6.1507 92	48	47.20%	4.411 476	Dcun1d2
192187	7995	67	32.05%	2.3533 8	146	45.84%	5.134 008	Stab1
15461	2272	67	41.99%	8.2813 7	52	38.51%	6.434 535	Hras1
666336	7069	67	5.80%	2.6616 6	87	5.50%	3.460 058	-
212555	2047	67	72.20%	9.1916 33	36	55.50%	4.944 322	Pq1c2
gi 39930594 ref NM_199009.1	3441	67	50.51%	5.4679 66	45	44.20%	3.676 63	-
94094	2600	67	52.04%	7.2366 43	26	33.15%	2.811 397	Trim34a
22240	2066	67	69.36%	9.1071 02	53	59.87%	7.212 198	Dpysl3
67905	1848	67	60.88%	10.181 42	65	59.90%	9.888 57	Ppm1m
386612	1461	67	80.90%	12.878 35	57	79.67%	10.96 849	Thoc6
67017	3609	67	53.28%	5.2134 31	53	50.85%	4.128 679	2010011 I20Rik
385658	6430	67	26.87%	2.9261 7	41	20.40%	1.792 648	Nxpe3
26558	2445	67	57.83%	7.6954 08	61	49.94%	7.014 118	Homer3

14664	3272	67	57.18%	5.7503 89	43	40.95%	3.694 684	Slc6a9
67393	2311	67	70.32%	8.1416 15	34	46.99%	4.136 196	Cxxc5
229499	2042	67	74.68%	9.2141 39	29	38.10%	3.992 679	Fcrl1
24064	2103	67	72.14%	8.9468 72	43	61.06%	5.748 457	Spry2
71063	5630	67	38.79%	3.3419 67	49	34.65%	2.446 864	Zfp597
63986	1006	67	45.03%	18.703 05	86	27.34%	24.03 381	Gmfg
13610	4484	67	46.39%	4.1960 91	36	28.28%	2.257 143	S1pr3
69546	1524	67	72.38%	12.345 98	44	70.14%	8.116 893	Mapklip 1
66983	3278	67	58.39%	5.7398 63	62	55.09%	5.317 468	Zfp830
215193	5548	67	41.15%	3.3913 61	28	18.46%	1.418 874	Diexf
624341	1642	67	30.15%	11.458 75	119	27.83%	20.37 492	Olf856- ps1
18032	3565	67	45.58%	5.2777 76	64	47.12%	5.047 108	Nfix
210544	3503	67	41.76%	5.3711 88	59	42.71%	4.735 153	Wdr67
67388	1065	67	43.57%	17.666 92	72	46.10%	19.00 663	1110008 F13Rik
12340	3187	66	13.74%	5.8156 41	49	14.56%	4.322 511	Capza1
320119	4034	66	51.07%	4.5945 58	69	47.79%	4.808 784	Rps6kc1
74718	2663	66	58.17%	6.9599 88	59	54.94%	6.228 78	Snx16
16534	2041	66	73.15%	9.0810 62	60	65.61%	8.264 762	Kcnn4
232431	2072	66	67.86%	8.9451 97	150	82.48%	20.35 277	Gpre5a
67205	953	66	81.32%	19.448 53	63	81.85%	18.58 531	Utp111
12328	1387	66	77.51%	13.362 98	75	84.35%	15.20 222	Caml
69976	2520	66	49.92%	7.3549 39	52	44.21%	5.801 295	Galk2

68427	2273	66	75.49%	8.1541 78	72	72.81%	8.905 436	Slc39a13
26464	1811	66	77.14%	10.234 37	91	88.24%	14.12 684	Vnn3
73711	1077	66	88.86%	17.209 33	43	88.39%	11.22 47	Fam125a
67675	673	66	77.86%	27.540 04	98	91.53%	40.93 861	Cuta
101592	3637	66	60.71%	5.0960 81	41	39.10%	3.169 295	Eftud1
384281	1777	66	73.16%	10.430 19	36	53.40%	5.695 57	Gatc
66411	1173	66	75.19%	15.800 89	65	64.88%	15.57 892	Tbcb
gi 149255577 ref X M_001476057.1	396	66	76.77%	46.804 16	40	62.12%	28.39 795	-
16882	5945	66	37.51%	3.1176 53	44	27.17%	2.080 765	Lig3
18457	3494	66	41.56%	5.3046 5	55	31.37%	4.425 496	Bloc1s6
gi 149253961 ref X M_001474702.1	7444	66	25.90%	2.4898 51	57	23.32%	2.152 735	-
70408	4160	66	51.75%	4.4553 96	43	38.37%	2.906 011	Polr3f
16157	1847	66	43.48%	10.034 89	77	49%	11.72 049	Il11ra1
225010	4476	66	48.30%	4.1408 51	36	29.20%	2.261 177	Lclat1
13361	5307	66	38.48%	3.4924 53	48	27.08%	2.542 812	Dhfr
69774	1687	66	77.59%	10.986 63	21	40.96%	3.499 664	Ms4a6b
70584	2898	66	58.63%	6.3956	61	54.11%	5.917 709	Pak4
gi 110625688 ref N M_153197.3	1300	66	74.85%	14.257 27	70	86.46%	15.13 829	-
56552	2568	66	39.91%	7.2174 64	61	35.05%	6.678 162	Vmn2r2 6
66597	1640	66	62.80%	11.301 49	82	67.74%	14.05 698	Trim13
gi 133892630 ref N M_022880.2	2012	66	72.91%	9.2119 52	29	42.10%	4.052 212	-
66834	686	66	91.98%	27.018 15	55	80.90%	22.54 035	Acot13

77683	5091	66	40.25%	3.6406 3	36	22.75%	1.988 024	Ehmt1
269400	4451	66	48.73%	4.1641 09	44	37.14%	2.779 183	Rtel1
68047	1701	66	76.72%	10.896 21	68	74.90%	11.23 898	Mpnd
209387	3770	66	46.71%	4.9162 99	66	52.20%	4.921 808	Trim30d
73690	1081	66	72.16%	17.145 65	61	71.14%	15.86 45	Glipr1
546071	5334	66	16.42%	3.4747 75	44	14.90%	2.319 112	Mast3
69046	1915	66	44.75%	9.6785 63	59	40.99%	8.661 744	Isca1
18452	2284	66	62.74%	8.1149 07	78	71.58%	9.601 092	P4ha2
20534	2445	66	65.97%	7.5805 51	67	67.73%	7.704 032	Slc4a1ap
54384	3446	66	47.42%	5.3785 4	90	51.60%	7.342 591	Mtmr7
51813	3405	66	54.45%	5.4433 03	79	56.62%	6.522 77	Ccnc
68845	1101	66	82.02%	16.834 19	50	72.93%	12.76 747	Pih1d1
66671	1976	66	60.83%	9.3797 81	58	58.91%	8.252 075	Ccnh
192236	2800	66	60.79%	6.6194 46	53	57.71%	5.321 572	Hps1
244548	4709	66	46.36%	3.9359 63	67	43.05%	4.000 076	Elmod2
26372	2910	66	57.01%	6.3692 26	38	42.23%	3.671 24	Clcn6
547127	4710	66	34.76%	3.9351 27	51	32.40%	3.044 187	Tmem18 1b-ps
241452	2817	66	59.03%	6.5794 99	16	21.26%	1.596 817	Dhrs9
67109	1899	66	68.35%	9.7601 09	46	58.40%	6.810 123	Zfp787
66756	4539	66	47.65%	4.0833 77	27	22.54%	1.672 344	4933411 K20Rik
73545	3097	65	59.02%	5.8939 69	60	48.98%	5.446 684	1700094 D03Rik
319520	2427	65	58.47%	7.5210 64	40	50.31%	4.633 534	Dusp4

386649	1355	65	54.69%	13.471 31	84	54.83%	17.42 858	Nsfl1c
328580	6957	65	32.92%	2.6237 78	39	20.35%	1.576 031	Tubgcp6
66169	1126	65	28.24%	16.211 03	97	28.95%	24.21 896	Tomm7
19094	2452	65	63.78%	7.4443 81	32	44.49%	3.669 033	Mapk11
69754	1886	65	73.33%	9.6784 85	56	62.94%	8.347 731	Fbxo7
11564	2109	65	60.79%	8.6551 08	58	64.72%	7.731 674	Adsl
68667	4245	65	45.84%	4.3000 29	56	42.21%	3.708 792	Trpm4
108800	9896	65	24.56%	1.8445 46	62	24.34%	1.761 384	Ston2
20779	3887	65	51.87%	4.6960 7	72	51.92%	5.207 629	Src
11769	1277	65	81.36%	14.294 14	59	75.57%	12.98 922	Ap1s1
268564	4001	65	28.12%	4.5622 65	76	22.97%	5.340 318	Zbtb1
75871	2163	65	63.34%	8.4390 3	53	61.17%	6.888 767	Zfp821
53609	2173	65	71.33%	8.4001 94	50	60.88%	6.468 929	Clasrp
50497	1791	65	63.87%	10.191 86	60	68.51%	9.418 414	Hspa14
140792	3322	65	60.05%	5.4947 69	172	81.01%	14.55 63	Colec12
234373	4111	65	44.37%	4.4401 9	33	27.61%	2.256 777	Sugp2
16185	2712	65	66.48%	6.7306 87	29	40.97%	3.006 287	Il2rb
68713	702	65	69.52%	26.002 31	78	70.80%	31.23 774	Ifitm1
231841	3856	65	48.16%	4.7338 23	24	23.21%	1.749 832	Baat1
66585	1613	65	70.37%	11.316 57	50	76.75%	8.714 807	Snrnp40
gi 149257390 ref X M_001478817.1	3387	65	24.53%	5.3893 19	78	26.13%	6.474 43	-
192169	1556	65	79.63%	11.731 12	46	67.67%	8.311 327	Ufsp2

74041	3450	65	53.65%	5.2909 05	64	49.28%	5.215 344	4632434 I11Rik
22143	1747	65	13.57%	10.448 55	59	17.74%	9.494 7	Tuba1b
77578	4652	65	42.41%	3.9238 23	41	35.36%	2.477 8	Bcl9
56318	4488	65	44.59%	4.0672 06	41	33.71%	2.568 344	Acpp
327900	3056	65	58.34%	5.9730 44	76	66.03%	6.991 693	Ubtd2
68943	2367	65	42.54%	7.7117 12	51	40.47%	6.057 509	Pink1
56273	1942	65	75.03%	9.3993 94	58	81.20%	8.396 55	Pex14
231327	4008	65	39.07%	4.5542 97	47	37.70%	3.296 797	Ppat
66214	934	64	89.08%	19.242 82	133	95.72%	40.03 381	1190002 H23Rik
223527	2429	64	47.43%	7.3992 58	54	41.29%	6.250 12	Eny2
67710	868	64	90.90%	20.705 99	61	83.87%	19.75 751	Polr2g
216154	3218	64	57.99%	5.5850 83	61	50.68%	5.329 248	Med16
72836	3499	64	43.47%	5.1365 53	61	35.55%	4.901 263	Pot1b
21652	2429	64	29.52%	7.3992 58	53	26.35%	6.134 377	Phf1
gi 6681132 ref NM _007828.1	1410	64	74.33%	12.746 66	50	79.93%	9.969 492	-
23873	1089	64	77.78%	16.503 95	36	59.60%	9.293 873	Faim
227693	4123	64	51.78%	4.3591 55	32	30.46%	2.182 02	Zer1
233231	4185	64	44.49%	4.2945 75	11	11.78%	0.738 957	Mrgprb1
gi 158749609 ref N M_183148.2	5316	64	36.08%	3.3808 87	47	32.64%	2.485 622	-
116914	3546	64	48.67%	5.0684 71	69	51.21%	5.470 569	Slc19a2
18107	1838	64	16.92%	9.7784 54	49	17.25%	7.495 018	Nmt1
100702	4329	64	32.43%	4.1517 2	120	38.99%	7.793 199	Gbp6

231123	1980	64	67.12%	9.0771 71	46	65.40%	6.531 527	Haus3
28240	7292	64	32.09%	2.4647 28	53	27.13%	2.043 39	Trpm2
19718	1518	64	76.61%	11.839 79	37	62.12%	6.852 548	Rfc2
170716	1731	64	74.99%	10.382 9	68	75.79%	11.04 419	Cyp4f13
20933	3466	64	64.22%	5.1854 58	39	34.48%	3.163 43	Med22
244713	4050	64	49.90%	4.4377 28	53	44.17%	3.679 112	Zfp317
16601	3263	64	16.40%	5.5080 59	96	16.09%	8.271 348	Klf9
214669	3430	64	53.70%	5.2398 83	38	40.55%	3.114 667	L3mbtl2
57314	2279	64	69.59%	7.8862 65	61	64.90%	7.525 019	Th11
170938	2963	64	55.15%	6.0657 43	46	49.81%	4.364 639	Zfp617
78670	1276	64	73.04%	14.085 26	67	87.93%	14.76 204	Plekhj1
494504	2799	64	59.88%	6.4211 5	66	59.02%	6.629 231	Apcdd1
28028	2103	64	70.66%	8.5462 66	71	69.04%	9.491 639	Mrpl50
18245	1092	64	25.73%	16.458 61	57	24.08%	14.67 487	Oaz1
gi 19263323 ref N M_023671.1	1475	64	74.03%	12.184 95	62	74.51%	11.81 74	-
11855	5197	64	39.37%	3.4583 02	42	32.33%	2.272 054	Arhgap5
56187	2547	64	54.85%	7.0564 58	70	65.37%	7.726 65	Rabgga
gi 133892528 ref N M_009465.3	4119	64	48.39%	4.3633 89	76	51.03%	5.187 33	-
13650	2955	64	59.09%	6.0821 65	61	58.48%	5.803 56	Rhbdfl
gi 149253461 ref X M_001471788.1	748	64	36.36%	24.027 8	110	46.79%	41.34 407	-
381236	2721	64	38.48%	6.6052 18	61	45.06%	6.302 653	Lipo1
75623	1265	64	73.91%	14.207 75	78	80.87%	17.33 509	1700029 F09Rik

68671	1908	63	73.90%	9.2725 22	72	68.66%	10.60 904	Pcyt2
gi 118130919 ref NM_133732.2	2562	63	63.08%	6.9055 32	65	68.15%	7.132 739	-
73683	2183	63	65.41%	8.1044 31	37	55.47%	4.765 079	Atg16l2
113868	1758	63	55.40%	10.063 69	44	51.59%	7.036 488	Acaa1a
70809	2466	63	59.69%	7.1743 6	82	65.25%	9.348 521	Clec2g
234695	2504	63	66.41%	7.0654 84	29	38.74%	3.256 01	Rltpr
66317	1274	63	75.90%	13.886 95	66	76.30%	14.56 454	Wdr61
237400	3269	63	55%	5.4120 44	56	46.65%	4.816 097	Mex3d
68626	2781	63	59.55%	6.3617 31	48	52.36%	4.852 464	Elac2
207425	4566	63	45.09%	3.8747 2	41	28.14%	2.524 469	Wdr11
22785	5476	63	36.67%	3.2308 2	66	41.42%	3.388 462	Slc30a4
53975	2710	63	55.72%	6.5284 03	35	42.55%	3.630 955	Ddx20
54393	4486	63	41.02%	3.9438 19	52	38.32%	3.258 864	Gabbr1
70652	2292	63	72.16%	7.7190 11	65	62.48%	7.972 983	Tmem14 4
14086	2667	63	59.02%	6.6336 61	60	56.92%	6.324 852	Fscn1
233328	7467	63	26.44%	2.3693 55	55	24.15%	2.070 802	Lrrk1
328329	10671	63	22.94%	1.6579 49	26	10.52%	0.685	Mast4
110094	4714	63	45.06%	3.7530 7	52	37.97%	3.101 244	Phka2
110279	6537	63	36.44%	2.7064 36	46	26.66%	1.978 342	Bcr
19364	7062	63	32.43%	2.5052 35	29	15.87%	1.154 496	Rad51l3
67387	1412	63	72.73%	12.529 73	61	72.73%	12.14 555	Unc50
16588	1379	63	73.46%	12.829 57	68	79.48%	13.86 33	Kin

381201	3092	63	54.50%	5.7218 54	23	31.57%	2.091 272	Gm962
54399	1552	63	76.48%	11.399 47	73	86.98%	13.22 371	Bet11
22340	1298	63	69.49%	13.630 18	58	65.25%	12.56 248	Vegfb
72354	2570	63	64.90%	6.8840 36	55	52.06%	6.016 608	Ttc4
66714	1595	63	67.34%	11.092 15	59	61.44%	10.39 952	4921524 J17Rik
28126	1734	63	53%	10.202 98	72	60.84%	11.67 362	Nop16
234076	4533	63	40.24%	3.9029 28	43	35.52%	2.666 888	Tmco3
109900	1589	63	70.86%	11.134 03	83	89.18%	14.68 508	Asl
58988	1491	63	72.10%	11.865 84	54	81.42%	10.18 212	Rps6kb2
66525	1179	63	85.41%	15.005 91	33	64.55%	7.869 049	Timm50
21371	503	63	75.94%	35.172 91	70	86.08%	39.12 48	Tbca
12655	1567	63	67.58%	11.290 35	76	70.20%	13.63 536	Chi3l3
235040	2541	63	50.96%	6.9626 02	58	46.95%	6.417 198	Atg4d
73666	2326	63	66.94%	7.6061 79	56	64.14%	6.768 625	Thoc3
17827	1522	63	67.61%	11.624 16	66	64.91%	12.19 134	Mtx1
12286	7929	63	29.97%	2.2312 99	69	33.64%	2.446 543	Cacna1a
72018	1950	63	63.54%	9.0728 06	53	63.64%	7.641 232	Fundc1
76478	1686	63	79.12%	10.493 46	78	78.41%	13.00 646	Haus8
97031	2825	63	57.63%	6.2626 45	32	35.08%	3.184 591	Tprn
72580	2364	63	65.02%	7.4839 14	38	51.65%	4.519 165	Zufsp
78658	5519	63	36.66%	3.2056 48	53	35.75%	2.699 837	Ncapd3
108671	1631	62	69.04%	10.675 14	36	52.18%	6.205 413	Dnajc9

21838	1753	62	80.83%	9.9322 01	6	16.77%	0.962 258	Thy1
69731	763	62	98.43%	22.819 33	47	94.50%	17.31 791	Gemin7
108660	1971	62	36.99%	8.8336 62	40	31.61%	5.705 523	Rnf187
108652	2086	62	63.33%	8.3466 67	42	48.18%	5.660 53	Slc35b3
14745	3451	62	50.54%	5.0452 47	83	51.14%	6.761 69	Lpar1
100608	2039	62	67.29%	8.5390 62	65	74.79%	8.962 275	Noc4l
668253	1708	62	60.07%	10.193 88	76	68.38%	12.50 973	Dleu2
67048	4174	62	37.11%	4.1713 34	61	39.10%	4.108 653	Vma21
50798	5384	62	37.56%	3.2338 68	44	28.05%	2.297 575	Gne
105446	1560	62	81.60%	11.160 99	47	73.01%	8.470 233	Gmpr2
66362	1035	62	77.20%	16.822 36	41	74.40%	11.13 693	Exosc3
50762	1955	62	55.19%	8.9059 58	55	45.52%	7.909 3	Fbxo6
67160	1565	62	11.37%	11.125 33	45	10.99%	8.083 888	Eef1g
320435	2888	62	53.15%	6.0287 91	64	55.92%	6.230 242	Rinl
236794	4920	62	46.26%	3.5388 51	39	30.37%	2.228 546	Slc9a6
72649	3422	62	56.11%	5.0880 03	57	53.71%	4.682 922	Tmem20 9
30946	4456	62	31.22%	3.9073 49	35	21.07%	2.208 233	Abt1
gi 20270197 ref N M_025897.1	2293	62	69.21%	7.5931 74	51	62.67%	6.252 997	-
68229	3183	62	41.09%	5.4700 43	61	40.53%	5.387 848	Al84614 8
270672	4348	62	38.59%	4.0044 04	79	48.46%	5.108 103	Map3k1 5
72306	3111	62	58.92%	5.5966 4	34	36.90%	3.072 565	Zfp777
83924	2996	62	27%	5.8114 65	22	17.76%	2.064 443	Gpr137b

23885	2967	62	48.77%	5.8682 67	19	27.44%	1.800 355	Gmcl1
226118	2767	62	55.91%	6.2924 28	48	50.81%	4.877 016	Al60618 1
gi 24497432 ref NM_153808.1	3432	62	51.75%	5.0731 78	38	37.03%	3.112 852	-
gi 158508645 ref NM_144798.5	2132	62	58.91%	8.1665 8	72	60.46%	9.494 398	-
226548	2851	62	26.69%	6.1070 32	54	28.73%	5.324 988	Aph1a
74741	4343	62	43.59%	4.0090 14	46	33.09%	2.977 763	5730419 I09Rik
83408	2145	62	31.79%	8.1170 85	18	23.73%	2.359 214	Gimap3
216859	2482	62	34.09%	7.0149 67	37	31.27%	4.191 042	Acap1
654795	1243	62	75.14%	14.007 36	49	72.89%	11.08 274	Sdr39u1
26919	3597	62	51.49%	4.8404 64	29	29.19%	2.266 625	Zfp346
225849	2708	62	61.96%	6.4295 23	52	48.30%	5.398 546	Ppp2r5b
234371	2994	62	55.54%	5.8153 47	56	48.50%	5.258 457	Tmem16 1a
98376	2509	62	67.68%	6.9394 77	51	43.56%	5.714 676	Gorab
18247	1861	62	46%	9.3558 02	60	43.47%	9.064 148	Oaz2
52575	1846	62	73.35%	9.4318 24	78	68.47%	11.87 914	Trmt10c
68304	3644	62	45.86%	4.7780 32	61	44.81%	4.706 235	Kdelc2
78777	2784	62	58.69%	6.2540 04	32	39.15%	3.231 49	Enthd2
76987	2357	62	58.55%	7.3869 95	38	38.06%	4.532 587	Hdhd2
235344	3561	62	55.63%	4.8893 98	49	39.60%	3.868 532	Sik2
67207	2360	62	41.02%	7.3776 05	58	39.41%	6.909 365	Lsm1
69186	431	62	86.31%	40.397 09	88	88.63%	57.40 207	1810027 O10Rik
71382	4323	62	34.40%	4.0275 61	41	34.14%	2.666 372	Pex1

51789	4454	62	43.87%	3.9091 04	56	41.24%	3.534 76	Tnk2
76357	1669	62	85.20%	10.432 08	72	80.95%	12.12 825	Trmt5
227707	1345	62	69.14%	12.945 09	66	66.84%	13.79 57	BC0056 24
381644	5334	62	41.98%	3.2641 82	28	21.26%	1.475 799	Cep135
20955	2534	62	60.22%	6.8710 13	59	57.18%	6.545 872	Vamp7
74201	7904	62	29.14%	2.2028 27	24	12.66%	0.853 663	Cep97
gi 148540135 ref NM_001081059.2	1173	62	75.36%	14.843 26	50	68.20%	11.98 379	-
gi 146198565 ref NM_175112.4	1715	62	66.36%	10.152 27	58	62.16%	9.507 93	-
69024	1554	61	82.75%	11.023 37	53	76.83%	9.588 418	Snx15
13803	4752	61	44.28%	3.6048 66	55	36.49%	3.253 931	Enc1
194655	3982	61	50.58%	4.3019 39	38	39.28%	2.682 9	Klf11
12578	929	61	62.76%	18.439 53	44	57.91%	13.31 555	Cdkn2a
72446	4296	61	44.20%	3.9875 05	88	50.77%	5.758 913	Prr51
16973	5172	61	39.40%	3.3121 27	112	60.83%	6.088 098	Lrp5
54396	3537	61	48.66%	4.8431 79	49	49.19%	3.894 782	Irgm2
66152	444	61	93.69%	38.581 81	82	92.34%	51.92 219	Uqcr10
76809	7001	61	24.55%	2.4468 39	45	21.07%	1.807 068	Bri3bp
30941	2200	61	67.27%	7.7865 1	45	56.68%	5.750 584	Usp21
232679	1847	61	79.21%	9.2746 74	72	78.56%	10.95 942	Zc3hc1
gi 118130339 ref NM_178061.4	2382	61	64.23%	7.1915 71	78	77.25%	9.206 085	-
192174	2971	61	53.01%	5.7658 44	87	53.75%	8.232 632	Rwdd4a
16068	1422	61	79.82%	12.046 64	60	70.96%	11.86 243	Il18bp

112403	1472	61	77.45%	11.637 45	61	76.15%	11.65 049	Dom3z
22142	1591	61	36.52%	10.767 02	33	33.44%	5.831 307	Tuba1a
11778	5823	61	36.77%	2.9418 38	45	32.35%	2.172 64	Ap3s2
22351	2915	61	61.51%	5.8766 12	55	53.17%	5.304 522	Vill
70160	1290	61	81.71%	13.279 32	56	78.14%	12.20 451	Vps36
71910	1486	61	70.26%	11.527 81	41	64.47%	7.756 882	Ppapdc1 b
106052	3479	61	30.44%	4.9239 21	53	34.69%	4.282 955	Fbxo4
59049	2294	61	53.23%	7.4674 47	59	51.61%	7.230 706	Slc22a17
106068	4659	61	44.47%	3.6768 24	50	38.06%	3.017 167	Slc45a4
52686	2619	61	61.17%	6.5407 88	71	62.77%	7.621 579	Mettl2
13611	2393	61	63.98%	7.1585 13	28	36.19%	3.289 557	S1pr4
gi 167900469 ref NM_013784.2	4060	61	45.17%	4.2192 91	44	38.77%	3.046 834	-
gi 118131082 ref NM_007908.3	3079	61	57.97%	5.5635 99	54	51.74%	4.930 673	-
213012	2127	61	66.85%	8.0537 48	64	61.40%	8.459 303	Abhd10
319535	5944	61	34.66%	2.8819 52	39	23.08%	1.844 624	Zfp182
66548	2402	61	61.87%	7.1316 91	48	53.87%	5.618 111	Adamtsl 5
319876	5042	61	38.04%	3.3975 25	24	18.78%	1.338 229	Cobll1
69367	3603	61	44.13%	4.7544 61	59	29.70%	4.603 73	Glxr2
269623	2344	61	61.26%	7.3081 58	50	43.86%	5.997 006	C030048 B08Rik
105835	3013	61	53.07%	5.6854 71	53	51.05%	4.945 371	Sgsm3
66880	3232	61	55.20%	5.3002 24	75	63.99%	6.523 971	Rsrc1
67459	3060	61	59.35%	5.5981 45	38	41.80%	3.491 277	Nvl

72404	4135	61	51.05%	4.1427 62	58	50.86%	3.943 434	Wdr44
244891	5259	61	38.43%	3.2573 35	49	35.03%	2.619 48	Scaper
66901	2398	61	63.18%	7.1435 87	141	90.95%	16.53 073	Proz
16881	3186	61	55.68%	5.3767 49	51	46.96%	4.500 352	Lig1
14672	3262	61	56.01%	5.2514 78	46	48.13%	3.964 569	Gna11
216169	1473	61	78.82%	11.629 55	47	73.18%	8.970 512	Fam108a
18685	3342	61	46.95%	5.1257 7	58	44.73%	4.879 144	Phf1
66143	1039	61	79.40%	16.487 32	64	89.22%	17.31 755	Eef1e1
30932	1665	61	56.70%	10.288 48	58	56.04%	9.793 454	Zfp330
16169	1465	60	76.52%	11.501 36	73	81.91%	14.00 901	Il15ra
208908	3920	60	44.16%	4.2983 41	43	36.45%	3.083 93	Ccdc62
77590	4265	60	41.92%	3.9506 44	22	23.05%	1.450 193	Chst15
51869	8502	60	27.25%	1.9818 28	40	17.10%	1.322 699	Rif1
74241	3250	60	46.89%	5.1844 61	41	38.25%	3.546 685	Chpf
666926	1374	60	63.97%	12.263 1	32	49.93%	6.547 649	Gm8369
215208	4686	60	36.21%	3.5957 1	38	29.77%	2.279 835	Gm4790
93747	1491	60	81.35%	11.300 8	84	78.81%	15.83 885	Echs1
106794	5094	60	41.97%	3.3077 15	41	27.42%	2.262 804	Dhx57
69672	1554	60	69.11%	10.842 66	52	69.88%	9.407 505	Txndc15
69786	2241	60	65.42%	7.5187 41	60	69.17%	7.527 166	Tprkb
234865	5808	60	34.37%	2.9010 84	35	18.53%	1.694 196	Nup133
59031	1802	60	76.36%	9.3504 43	48	72.14%	7.488 737	Chst12

17218	3422	60	51.17%	4.9238 74	50	43.16%	4.107 827	Mcm5
24074	3302	60	34.98%	5.1028 16	58	41.58%	4.938 25	Taf7
gi 149262309 ref X M_001478311.1	2471	60	52.29%	6.8188 98	72	45.61%	8.191 848	-
75540	3526	60	56.24%	4.7786 44	49	39.51%	3.906 932	Fpgt
69537	1635	60	71.50%	10.305 5	98	86.91%	16.85 118	Dnase111
81840	5722	60	36.51%	2.9446 87	130	54.40%	6.387 304	Sorcs2
gi 270483845 ref N M_019988.4	3377	60	52.47%	4.9894 87	36	33.52%	2.997 047	-
224143	2641	60	57.06%	6.3799 69	51	52.22%	5.429 051	Poglut1
gi 14192944 ref N M_032418.1	1896	60	67.56%	8.8868 66	60	70.41%	8.896 825	-
227700	1740	60	73.97%	9.6836 19	53	73.33%	8.563 449	Sh3glb2
27632	1621	60	75.14%	10.394 51	59	75.94%	10.23 272	Rdbp
66614	1768	60	65.55%	9.5302 59	55	65.72%	8.745 861	Gpatch4
108067	3754	60	30.18%	4.4884 12	35	25.01%	2.621 174	Eif2b3
347722	9581	60	22.97%	1.7586 37	60	23.73%	1.760 607	Agap1
gi 167621457 ref N M_009665.4	3203	60	14.30%	5.2605 36	61	17.30%	5.354 205	-
210376	2457	60	61.66%	6.8577 52	51	57.18%	5.835 622	Mtmr9
16192	3557	60	47.85%	4.7369 97	57	41.50%	4.505 19	Il5ra
72023	4210	60	50.67%	4.0022 56	34	30.38%	2.270 487	Cyb561d 1
226422	1212	60	84.98%	13.902 23	38	72.85%	8.814 61	Rab711
67044	613	60	89.07%	27.486 95	65	87.77%	29.81 089	Higd2a
17122	1194	60	78.89%	14.111 81	45	66.92%	10.59 572	Mxd4
24127	5515	60	39.31%	3.0552 13	26	20.78%	1.325 409	Xrn1

76594	5169	60	40.92%	3.2597 21	56	39.54%	3.045 816	Dnajt18
75616	1864	60	60.25%	9.0394 3	49	61.70%	7.390 474	2810008 M24Rik
54151	1587	60	68.56%	10.617 2	61	67.42%	10.80 625	Cyhr1
17120	2640	60	60.15%	6.3823 86	84	68.94%	8.945 353	Mad111
20441	2568	60	53.89%	6.5613 31	66	55.57%	7.225 552	St3gal3
68556	1811	59	76.31%	9.1489 08	36	57.65%	5.588 64	Uck11
20922	693	59	54.11%	23.908 62	48	55.84%	19.47 288	Supt4h1
15312	1200	59	47.25%	13.807 23	50	38.67%	11.71 415	Hmgn1
11640	3758	59	48.30%	4.4089 07	41	39.33%	3.067 25	Akap1
73068	3344	59	57.48%	4.9547 47	50	37.44%	4.203 643	Fut11
81909	1235	59	90.45%	13.415 93	34	67.94%	7.739 877	Zfp11
68273	2736	59	62.13%	6.0558 01	30	40.64%	3.082 672	Pomgnt1
114674	3468	59	50.32%	4.7775 87	57	45.73%	4.620 808	Gtf2ird2
73998	4742	59	42.07%	3.4940 26	32	26.55%	1.897 189	Herc3
17454	3639	59	50.59%	4.5530 84	47	38.72%	3.631 098	Mov10
11535	1381	59	75.16%	11.997 59	50	76.18%	10.17 884	Adm
72722	2817	59	55.17%	5.8816 73	42	43.38%	4.191 646	Fam98a
gi 142387942 ref NM_153585.4	2853	59	55.66%	5.8074 56	51	52.51%	5.025 63	-
26457	2795	59	54.60%	5.9279 69	31	39.11%	3.118 186	Slc27a1
19046	4024	59	11.03%	4.1174 63	55	11.16%	3.842 615	Ppp1cb
gi 146149297 ref NM_053182.4	3729	59	51.84%	4.4431 95	71	58.68%	5.352 887	-
215798	6505	59	31.96%	2.5470 67	84	38.89%	3.630 397	Gpr126

381287	1760	59	52.05%	9.4140 19	27	26.70%	4.312 938	A530032 D15Rik
93834	5849	59	35.39%	2.8327 36	67	38.72%	3.220 441	Peli2
170763	2710	59	65.09%	6.1139 01	35	40.04%	3.630 955	Zfp87
22724	3704	59	38.90%	4.4731 84	44	32.80%	3.339 672	Zbtb7b
216151	3762	59	49.02%	4.4042 19	36	32.27%	2.690 332	Polrmt
231801	2409	59	67.21%	6.8778 22	47	55.71%	5.485 083	Agfg2
399510	4490	59	43.50%	3.6901 28	54	39.87%	3.381 19	Map4k5
70422	5922	59	32.64%	2.7978 17	46	24.77%	2.183 793	Ints2
gi 23956211 ref N M_028242.1	2833	59	60.25%	5.8484 55	57	54.15%	5.656 534	-
gi 85719319 ref N M_029880.2	3086	59	54.89%	5.3689 8	69	65.46%	6.286 013	-
75619	3205	59	44.46%	5.1696 33	43	40.16%	3.771 921	Fastkd2
71398	3835	59	35.75%	4.3203 84	54	37.94%	3.958 681	5430427 O19Rik
12568	2058	59	55.98%	8.0508 61	54	45.72%	7.376 842	Cdk5
1E+08	4825	59	15.27%	3.4339 22	59	16.77%	3.437 77	Gm4635
24067	4264	59	24.53%	3.8857 11	55	24.23%	3.626 332	Srp54a
22619	3433	59	52.08%	4.8262 96	56	52.64%	4.586 024	Siae
208727	3960	59	54.97%	4.1840 08	30	29.52%	2.129 846	Hdac4
20361	3290	59	59.70%	5.0360 71	52	46.81%	4.443 545	Sema7a
1E+08	5976	59	12.25%	2.7725 36	59	13.44%	2.775 643	Gm1062 1
630499	1324	59	69.34%	12.514 1	31	51.36%	6.582 575	H2-K2
66047	587	59	93.70%	28.226 02	68	86.54%	32.56 814	Mrpl54
66467	1191	59	64.06%	13.911 56	85	68.01%	20.06 454	Gtf2h5

224674	2942	59	57.58%	5.6317 72	44	46.46%	4.204 672	Slc37a1
236193	3990	59	48.72%	4.1525 5	24	25.01%	1.691 066	Zfp709
12981	1033	59	59.44%	16.039 37	319	70.76%	86.81 854	Csf2
53607	1382	59	63.97%	11.988 91	53	70.77%	10.78 177	Snrpa
53375	1258	59	71.86%	13.170 65	64	77.11%	14.30 281	Mtx2
245866	2124	59	74.06%	7.8006 93	44	58%	5.823 985	Ift52
68058	2989	59	59.79%	5.5432 16	44	50.55%	4.138 556	Chd11
69663	4874	59	42.74%	3.3993 99	45	32.09%	2.595 668	Ddx51
gi 158508440 ref NM_028379.4	1332	59	85.51%	12.438 94	52	78.38%	10.97 542	-
71538	2172	59	64.64%	7.6283 02	45	65.19%	5.824 717	Fbxo9
192156	1864	58	67.01%	8.7381 16	56	70.98%	8.446 256	Mvd
22021	1937	58	66.96%	8.4088 01	57	63.55%	8.273 082	Tpst1
52323	3427	58	45.11%	4.7528 01	74	51.94%	6.070 713	Klhl7
233060	2193	58	63.43%	7.4271 99	38	54.58%	4.871 549	Zfp382
67291	2760	58	57.93%	5.9013 94	35	43.01%	3.565 177	Ccdc137
67609	1331	58	61.98%	12.237 3	55	60.03%	11.61 734	4930453 N24Rik
1E+08	2318	58	16.52%	7.0266 82	51	23.90%	6.185 558	Gm3770
14991	1425	58	78.25%	11.430 07	34	60.49%	6.707 894	H2-M3
gi 142373774 ref NM_023217.3	2150	58	66.19%	7.5757 43	55	66.74%	7.191 945	-
gi 58037172 ref NM_027186.1	1093	58	82.07%	14.901 97	46	67.52%	11.83 204	-
13482	5268	58	33.05%	3.0918 47	28	18.89%	1.494 288	Dpp4
14235	4391	58	45.18%	3.7093 71	55	43.29%	3.521 449	Foxm1

107515	5066	58	40.13%	3.2151 3	73	45.68%	4.051 164	Lgr4
76784	2748	58	62.23%	5.9271 64	45	52.51%	4.603 815	Mtif2
67144	4092	58	40.25%	3.9804 12	44	32.60%	3.023 007	Lrrc40
gi 149255604 ref X M_001477170.1	711	58	81.43%	22.908 37	23	60.34%	9.094 532	-
67296	2154	58	67.69%	7.5616 75	31	43.55%	4.046 114	Socs4
18791	2548	58	59.50%	6.3924 05	130	82.57%	14.34 386	Plat
53415	1482	58	77.06%	10.990 45	55	74.22%	10.43 366	Htatip2
235169	2177	58	62.33%	7.4817 86	33	49.84%	4.261 649	Foxred1
69906	2945	58	48.69%	5.5306 78	60	52.16%	5.727 803	Slc25a32
241576	3827	58	51.66%	4.2560 35	89	55.68%	6.538 132	Ldlrad3
12934	4451	58	40.24%	3.6593 68	65	42.84%	4.105 612	Dpysl2
107375	1833	58	73%	8.8858 96	43	55.43%	6.595 202	Slc25a45
15953	1681	58	65.56%	9.6893 8	34	58.95%	5.686 347	Ifi47
70701	4205	58	45.11%	3.8734 48	73	51.94%	4.880 665	Nipal1
381511	4233	58	41.39%	3.8478 26	51	31.47%	3.387 225	Pdp1
104662	3395	58	42.65%	4.7975 99	45	32.93%	3.726 446	Tsr1
69527	1445	58	79.79%	11.271 87	62	77.09%	12.06 274	Mrps9
22697	2321	58	59.37%	7.0175 99	26	39.38%	3.149 346	Zscan21
70153	2822	58	52.69%	5.7717 39	53	45.50%	5.280 086	2210016 F16Rik
277463	3926	58	32.20%	4.1487 13	35	24.58%	2.506 339	Gpr107
gi 30795234 ref N M_178309.1	6934	58	20.52%	2.3489 83	53	16.07%	2.148 89	-
30795	945	58	68.68%	17.235 82	62	63.70%	18.44 514	Fkbp3

216156	2954	58	52.64%	5.5138 28	44	46.75%	4.187 591	Wdr18
76051	4818	58	37.67%	3.3806 24	39	27.60%	2.275 726	Ganc
27966	1537	58	75.15%	10.597 17	58	80.42%	10.60 904	Rrp9
76932	3277	58	48.49%	4.9703 53	49	50.08%	4.203 797	Arfp2
50505	6703	58	27.73%	2.4299 34	49	27.21%	2.055 176	Ercc4
330319	4204	58	45.50%	3.8743 69	18	17.32%	1.203 738	Wipf3
71449	2801	58	61.73%	5.8150 12	38	44.81%	3.814 105	Mettl13
380969	4871	58	38.39%	3.3438 41	46	32.54%	2.654 983	Nckap5l
67136	2393	58	64.10%	6.8064 55	37	46.18%	4.346 915	Kbtbd4
12477	1931	58	80.84%	8.4349 29	30	51.06%	4.367 783	Ctla4
229007	2289	58	60.51%	7.1157 05	42	51.07%	5.158 526	Zgpat
gi 149253626 ref X M_001478223.1	965	58	36.89%	16.878 6	49	37.51%	14.27 549	-
69136	1364	57	69.87%	11.735 35	41	54.25%	8.450 679	Tusc1
226751	8656	57	25.14%	1.8492 4	48	23.42%	1.559	Cdc42bp a
66464	1353	57	73.84%	11.830 76	56	77.46%	11.63 623	Taf12
66812	2767	57	43.98%	5.7849 74	35	33.07%	3.556 158	Ppcdc
26465	2045	57	42.54%	7.8273 95	45	39.51%	6.186 447	Zfp146
69554	1946	57	66.60%	8.2256 03	39	50.98%	5.634 351	Klhdc2
382090	5295	57	39.83%	3.0230 45	34	24.32%	1.805 241	4922501 C03Rik
67037	992	57	86.79%	16.136 11	58	94.96%	16.43 76	Pmf1
gi 149262691 ref X M_001475576.1	2543	57	10.22%	6.2945 43	86	8.30%	9.507 672	-
110524	4612	57	40.76%	3.4707 33	47	33.52%	2.865 04	Dgkq

gi 149255614 ref X M_001477552.1	480	57	75.83%	33.347 96	18	59.79%	10.54 274	-
77595	5681	57	35.54%	2.8176 42	65	40.57%	3.216 701	Nup210l
664919	2756	57	13.72%	5.8080 63	70	17.42%	7.140 703	Gm7406
71952	2346	57	57.89%	6.8231 13	41	54.26%	4.913 353	2410016 O06Rik
11655	2702	57	22.95%	5.9241 39	64	23.32%	6.659 119	Alas1
22401	7784	57	26.46%	2.0564 01	34	18.72%	1.228	Zmat3
64436	4155	57	41.64%	3.8524 72	54	34.58%	3.653 801	Inpp5e
21781	1700	57	64.47%	9.4158 96	54	62.12%	8.930 319	Tfdp1
108156	3324	57	44.46%	4.8155 91	49	48.65%	4.144 357	Mthfd1
94218	5340	57	34.48%	2.9975 7	30	22.73%	1.579 436	Cnm3
gi 118442835 ref N M_011663.2	2880	57	49.55%	5.5579 94	36	35.45%	3.514 246	-
50935	2457	57	61.17%	6.5148 65	41	46.03%	4.691 382	St6galna c6
234967	1937	57	73.31%	8.2638 22	26	39.39%	3.773 687	Slc36a4
319236	3736	57	33.99%	4.2845 35	50	32.39%	3.762 576	Trim12c
234344	2990	57	43.61%	5.3535 19	58	52.94%	5.453 545	Naf1
1.01E+08	3314	57	36.54%	4.8301 22	49	40.16%	4.156 863	Dos
66616	2078	57	12.99%	7.7030 91	53	13.72%	7.170 55	Snx9
227327	2608	57	53.22%	6.1376 62	34	45.28%	3.665 164	B3gnt7
227715	1635	57	78.84%	9.7902 28	35	60.67%	6.018 28	Exosc2
13496	5326	57	39%	3.0054 49	48	33.57%	2.533 741	Arid3a
70155	4844	57	34.31%	3.3045 05	90	50.39%	5.223 487	Ogfr1l
269642	6529	57	33.02%	2.4516 81	52	27.94%	2.239 127	Nat8l

13559	1763	57	64.44%	9.0794 23	49	57.18%	7.813 865	E2f5
76568	3337	57	37.91%	4.7968 3	43	37.07%	3.622 717	Ift46
16413	1874	57	54.80%	8.5416 34	59	54.64%	8.851 249	Itgb1bp1
276905	2249	57	67.36%	7.1173 96	56	65.10%	7.000 365	Armc7
223666	4587	57	42.56%	3.4896 5	72	49.29%	4.412 918	Arhgap3 9
264895	3069	57	42.13%	5.2157 13	36	29.85%	3.297 826	Acsf2
71116	1562	57	71.57%	10.247 77	62	71.83%	11.15 919	Stx18
212276	4602	57	42.96%	3.4782 75	51	36.81%	3.115 629	Zfp748
18260	3192	57	48.84%	5.0147 31	90	57.74%	7.926 87	Ocln
243382	5560	57	35.90%	2.8789 61	37	24.35%	1.870 893	Ppm1k
20359	3847	57	51.36%	4.1609 11	53	45.39%	3.873 252	Sema6b
55978	802	57	94.51%	19.958 88	45	75.19%	15.77 467	Ift20
13612	5358	56	34.15%	2.9350 87	47	30.85%	2.466 137	Edil3
11477	3312	56	47.89%	4.7482 48	58	47.37%	4.923 339	Acvr1
217837	2856	56	63.55%	5.5063 72	50	54.73%	4.921 913	Itpk1
30843	2098	56	65.87%	7.4958 05	58	58.72%	7.772 212	Fbxl12
93696	851	56	84.14%	18.479 67	71	90.60%	23.45 584	Chrac1
77041	3657	56	36.07%	4.3003	48	31.28%	3.690 102	Arsk
56703	4261	56	39.87%	3.6907 29	33	28.94%	2.177 331	Pigo
26874	5540	56	30.78%	2.8386 64	56	30.67%	2.841 845	Abcd2
212073	5436	56	36.74%	2.8929 72	50	35.26%	2.585 906	4831426 I19Rik
194590	7630	56	28.51%	2.0611 01	38	17.90%	1.400 171	Reps2

545085	2151	56	63.74%	7.3111 1	64	66.85%	8.364 918	Wdr70
13929	2816	56	49.50%	5.5845 87	64	51.67%	6.389 538	Amz2
67031	1402	56	74.89%	11.216 97	70	88.30%	14.03 693	Upf3a
76501	1175	56	84.17%	13.384	77	88.51%	18.42 362	Commd9
54380	6715	56	28.53%	2.3419 51	40	21.73%	1.674 696	Smarcal1
14194	1644	56	68.61%	9.5658 14	74	71.96%	12.65 47	Fh1
107508	4850	56	10.89%	3.2425 15	39	7.05%	2.260 711	Eprs
18709	3159	56	49.45%	4.9782 2	41	42.17%	3.648 853	Pik3r2
20612	6427	56	34.34%	2.4468 96	43	22.28%	1.880 972	Siglec1
15507	913	56	83.35%	17.224 75	42	77.66%	12.93 304	Hspb1
30925	2443	56	58.53%	6.4372 48	25	33.73%	2.876 992	Slamf6
69757	2213	56	54.23%	7.1062 8	61	53.37%	7.749 444	Leng1
67226	3010	56	59.63%	5.2246 5	70	57.38%	6.538 132	Tmem19
12368	1455	56	72.65%	10.808 38	35	59.93%	6.762 81	Casp6
15001	1064	56	81.02%	14.780 26	37	70.49%	9.776 473	H2-Oa
68995	876	56	76.60%	17.952 28	46	87.44%	14.76 304	Mcts1
66942	2249	56	40.86%	6.9925 29	38	27.83%	4.750 248	Ddx18
gi 254939581 ref NM_029624.3	1758	56	67.92%	8.9455 05	55	77.76%	8.795 609	-
74245	2629	56	46.18%	5.9818 17	61	57.21%	6.523 21	Ctbs
71745	4158	56	40.02%	3.7821 54	40	32.08%	2.704 566	Cul2
626058	2827	56	60.74%	5.5628 57	43	45.56%	4.276 267	E330020 D12Rik
11982	5469	56	37.72%	2.8755 16	53	33.64%	2.724 52	Atp10a

30840	1750	56	81.83%	8.9863 99	62	72.29%	9.960 377	Fbx16
66857	1974	56	37.18%	7.9666 66	43	32.17%	6.124 116	Plbd1
19763	2048	56	57.23%	7.6788 08	37	51.12%	5.079 183	Ring1
100177	4134	56	37.86%	3.8041 12	30	29.37%	2.040 201	Zmym6
68133	1337	56	51.61%	11.762 3	53	59.54%	11.14 465	Gesh
171508	2078	56	66.07%	7.5679 49	65	74.25%	8.794 07	Credl1
76539	2035	56	49.34%	7.7278 61	43	45.75%	5.940 543	D19Ert 737e
15259	7497	56	11.90%	2.0976 65	27	8.79%	1.012 508	Hipk3
66569	2484	56	52.82%	6.3309 98	45	48.59%	5.093 11	Gdpd1
69940	3395	56	23.95%	4.6321 64	36	18.73%	2.981 157	Exoc1
69038	457	56	78.56%	34.411 81	66	79.87%	40.60 223	1810006 K21Rik
76582	4282	56	38.23%	3.6726 29	45	36.71%	2.954 527	Ipo11
50773	820	56	83.17%	19.178 29	45	77.93%	15.42 84	Nt5c
1E+08	3774	56	6.15%	4.1669 84	63	8.93%	4.693 11	Gm4108
26363	1956	56	74.90%	8.0399 78	63	74.28%	9.055 112	Btd
210582	2507	56	41.80%	6.2729 15	41	40.33%	4.597 817	Coq10a
20104	1394	56	30.92%	11.281 35	49	31.35%	9.882 241	Rps6
18971	3428	55	51.28%	4.5056 51	30	34.92%	2.460 382	Pold1
14312	4520	55	7.50%	3.4171 18	31	7.06%	1.928 17	Brd2
13034	2120	55	67.59%	7.2855 53	49	61.23%	6.498 039	Ctse
67893	1791	55	59.97%	8.6238 82	48	61.53%	7.534 731	Tmem86 a
68818	1240	55	77.74%	12.455 95	49	80.32%	11.10 955	Zfand2b

70544	971	55	90.94%	15.906 67	65	89.08%	18.81 985	Tmem24 2
58205	3415	55	52.47%	4.5228 03	40	40.03%	3.292 997	Pdcd11g2
21761	2013	55	18.13%	7.6728 13	55	18.33%	7.681 412	Morf411
67151	2610	55	49.77%	5.9177 67	53	58.39%	5.708 966	Psm9
22122	1329	55	76%	11.621 8	64	89.77%	13.53 87	Tsta3
245007	4091	55	43.29%	3.7754 52	19	22.07%	1.305 709	Zbtb38
15366	3914	55	20.44%	3.9461 86	53	22.20%	3.806 95	Hmmr
236732	3715	55	34.21%	4.1575 7	40	32.52%	3.027 076	Rbm10
gi 40254592 ref N M_009954.2	3169	55	54.18%	4.8738 95	56	51.50%	4.968 072	-
54135	2177	55	58.15%	7.0947 97	62	57.88%	8.006 734	Lsr
76485	2485	55	49.34%	6.2154 42	50	54.08%	5.656 734	Glt8d1
69241	998	55	87.07%	15.476 33	63	83.97%	17.74 729	Polr2d
109229	1700	55	71.71%	9.0855 13	43	53.82%	7.111 18	Fam118b
gi 125988404 ref N M_025375.2	1323	55	80.57%	11.674 51	58	87.98%	12.32 509	-
50880	2207	55	63.48%	6.9983 57	73	80.97%	9.299 137	Scly
97884	3681	55	43.77%	4.1959 72	49	43.55%	3.742 419	B3galnt2
72519	2280	55	67.68%	6.7742 86	63	69.56%	7.768 333	Tmem55 a
108673	3003	55	41.36%	5.1433 14	70	48.35%	6.553 372	Ccdc86
28080	772	55	45.21%	20.006 96	58	40.16%	21.12 189	Atp5o
17330	2619	55	59.07%	5.8974 31	44	46.66%	4.723 232	Minpp1
227674	3328	55	50.72%	4.6410 38	57	52.16%	4.815 193	Ddx31
68048	2580	55	56.94%	5.9865 79	48	47.60%	5.230 505	Aen

68817	3539	55	33.06%	4.3643 33	34	23.11%	2.700 974	Ddi2
70527	2157	55	59.81%	7.1605 81	37	51.32%	4.822 516	Stampb
69743	7966	55	19.96%	1.9389 12	41	14.74%	1.446 99	Casz1
106347	2897	55	49.81%	5.3315 06	43	41.04%	4.172 939	Ildr1
69113	1247	55	79.07%	12.386 02	52	78.59%	11.72 355	Alkbh3
56347	2896	55	6.49%	5.3333 47	39	6.15%	3.786 066	Eif3c
30055	1225	55	54.69%	12.608 47	54	62.45%	12.39 31	Timm13
72999	2449	55	60.23%	6.3068 08	54	58.27%	6.199 078	Insig2
68401	1612	55	63.77%	9.5814 97	59	63.52%	10.28 985	G6pc3
1E+08	12971	55	17.79%	1.1907 62	41	13.17%	0.888 654	Nhsl2
216578	3776	55	47.19%	4.0904 06	25	30.75%	1.861 359	Papolg
gi 149264002 ref X M_001473865.1	2579	55	56.42%	5.9889	50	45.87%	5.450 556	-
319924	6649	55	26.11%	2.3229 62	56	26.59%	2.367 848	Apba1
268469	2668	55	50.64%	5.7891 2	42	51.99%	4.425 737	Zfp652
21416	4163	55	46.17%	3.7101 54	105	57.53%	7.090 96	Tcf7l2
11416	3109	55	48.44%	4.9679 55	52	43.13%	4.702 239	Slc33a1
30938	3110	55	51.45%	4.9663 58	39	50.19%	3.525 546	Fgd3
233405	2595	55	58.81%	5.9519 74	26	31.87%	2.816 814	Vps33b
214063	3913	55	47.69%	3.9471 95	27	27.34%	1.939 885	Dnajc16
231655	2124	55	68.31%	7.2718 33	315	95.90%	41.69 444	Oas1l
21897	2567	55	49.90%	6.0168 96	34	47.29%	3.723 704	Tlr1
76071	2382	55	55.12%	6.4842 04	32	47.27%	3.776 855	Jakmip1

78541	2176	55	54.27%	7.0980 57	48	47.66%	6.201 61	Asb8
72654	845	55	55.86%	18.278 55	39	52.66%	12.97 568	Ccdc12
26425	2139	55	56.94%	7.2208 38	42	48.71%	5.520 274	Nubp1
19653	2606	55	54.64%	5.9268 51	47	43.51%	5.070 439	Rbm4
70560	4388	55	40.36%	3.5199 12	31	26.73%	1.986 174	Wars2
108899	5017	55	36.02%	3.0786 07	60	31.85%	3.362 244	2700081 O15Rik
105837	3384	55	30.29%	4.5642 36	34	12.65%	2.824 689	Mtbp
99730	1289	55	64.70%	11.982 45	56	51.59%	12.21 398	Taf13
20641	837	55	70.73%	18.453 25	85	62.13%	28.55 062	Snrpd1
224823	1212	54	85.15%	12.512	41	76.90%	9.510 5	Rrp36
22025	3827	54	44.94%	3.9625 16	46	44%	3.379 259	Nr2c1
66419	2882	54	26.02%	5.2618 14	32	22.55%	3.121 606	Mrpl11
108116	4697	54	32.53%	3.2285 6	65	41.37%	3.890 585	Slco3a1
230101	3552	54	45.02%	4.2692 98	36	33.87%	2.849 388	Gba2
64009	10876	54	17.88%	1.3943 13	15	4.75%	0.387 743	Syne1
233890	2268	54	57.63%	6.6863 09	34	46.91%	4.214 616	Zfp768
69550	866	54	73.79%	17.511 03	87	75.29%	28.24 382	Bst2
74479	2581	54	57.96%	5.8754 54	44	56.49%	4.792 772	Snx11
68537	786	54	89.19%	19.293 32	58	89.69%	20.74 567	Mrpl13
117589	5057	54	35.42%	2.9987 24	26	20.86%	1.445 448	Asb7
gi 146198585 ref NM_178659.5	3903	54	49.78%	3.8853 57	49	40.12%	3.529 553	-
20411	6320	54	32.53%	2.3994 54	42	23.59%	1.868 333	Sorbs1

243371	2932	54	50.14%	5.1720 83	28	31.72%	2.684 826	Lrrc61
229776	4511	54	34.63%	3.3616 82	41	24.45%	2.555 249	Cdc14a
76044	6604	54	28.91%	2.2962 67	39	22.65%	1.660 274	Ncapg2
227094	3423	54	46.45%	4.4301 92	23	27.14%	1.889 048	Tmem19 4b
70103	1032	54	58.62%	14.694 33	80	63.18%	21.79 377	Znhit1
gi 94378196 ref X M_979045.1	6890	54	32.50%	2.2009 5	34	20.78%	1.387 337	-
20595	1227	54	76.53%	12.359 04	48	78%	10.99 813	Smn1
68023	1547	54	59.53%	9.8025 52	38	57.08%	6.905 822	Pdf
66904	2291	54	67.48%	6.6191 83	61	66.65%	7.485 604	Pccb
19672	3063	54	49.13%	4.9508 81	48	45.38%	4.405 715	Rcn1
28135	2696	54	56.12%	5.6248 32	53	51.45%	5.526 855	Cep63
gi 240255549 ref N R_027828.1	2259	54	51.97%	6.7129 47	77	56.75%	9.582 892	-
70974	8641	54	23%	1.7549 53	47	22.39%	1.529 171	Pgm211
19883	1657	54	74.77%	9.1518 09	47	64.15%	7.974 39	Rora
15242	1771	54	65.67%	8.5627 04	27	48.62%	4.286 15	Hhex
97761	4791	54	38.66%	3.1652 16	23	19.56%	1.349 658	Sgsm2
76205	1301	54	81.01%	11.656 07	49	79.71%	10.58 866	Stard3nl
66816	3408	54	48.86%	4.4496 91	40	41.37%	3.299 761	Thap2
56046	2671	54	51.78%	5.6774 8	33	41.48%	3.473 459	Uqcc
242747	4283	54	40.25%	3.5406 37	40	31.29%	2.625 633	Zfp933
209815	2659	54	55.25%	5.7031 02	35	40.73%	3.700 597	Tbc1d25
22413	2115	54	56.55%	7.1699 99	162	81.23%	21.53 41	Wnt2

66493	1515	53	54.06%	9.8242 4	54	44.22%	10.02 082	Mrpl51
59048	1507	53	60.58%	9.8763 92	73	71.13%	13.61 858	C1galt1c 1
1E+08	2796	53	48.57%	5.3232 2	62	47%	6.234 141	F630028 O10Rik
224824	3214	53	47.67%	4.6309 03	53	48.60%	4.636 093	Pex6
14128	2241	53	60.29%	6.6415 54	9	10.89%	1.129 075	Fcer2a
69260	2813	53	32.46%	5.2910 5	50	29.26%	4.997 15	Ing2
233865	6191	53	30.14%	2.4040 9	48	25.81%	2.179 729	D430042 O09Rik
18634	1894	53	63.36%	7.8583 54	52	63.94%	7.718 724	Pex7
83703	2103	53	61.86%	7.0773 77	58	65.38%	7.753 733	Dbr1
67298	5900	53	33.39%	2.5226 65	32	21.90%	1.524 825	Gprasp1
230857	4856	53	37.69%	3.0650 17	62	40.14%	3.589 51	Ece1
72825	2112	53	55.59%	7.0472 17	43	55.02%	5.723 961	Mon1a
107581	5222	53	34.85%	2.8501 96	47	36.52%	2.530 365	Col16a1
76792	2670	53	54.57%	5.5744 28	42	51.91%	4.422 422	2410131 K14Rik
1E+08	3513	53	25.28%	4.2367 56	79	41.96%	6.322 241	Gm4021
69641	2427	53	57.81%	6.1325 6	49	54.59%	5.676 079	Wdr20a
56380	3807	53	43.26%	3.9095 67	31	31.02%	2.289 291	Arid3b
gi 21617846 ref N M_133679.1	1468	53	72.75%	10.138 78	68	80.52%	13.02 282	-
16886	4668	53	36.05%	3.1884 58	34	28.53%	2.047 718	Limk2
gi 146198727 ref N M_173785.5	4024	53	44.14%	3.6987 38	44	40.68%	3.074 092	-
234362	2464	53	56.41%	6.0404 72	56	56.01%	6.389 538	Zfp868
243867	2962	53	52.19%	5.0248 9	29	37.31%	2.752 549	Fbxo46

108098	780	53	82.18%	19.081 7	58	81.79%	20.90 526	Med21
100206	1368	53	71.86%	10.879 91	23	52.41%	4.726 763	Adprh12
238377	3241	53	55.17%	4.5923 24	51	51.47%	4.423 981	Gpr68
668415	2200	53	19.27%	6.7653 29	68	19.64%	8.689 771	Gm9159
192191	3013	53	39.13%	4.9398 35	40	42.81%	3.732 355	Med9
gi 118130457 ref N M_177686.3	2180	53	52.98%	6.8273 96	37	46.01%	4.771 636	-
74173	1073	53	73.44%	13.871 13	58	82.95%	15.19 674	1700012 B15Rik
gi 149253197 ref X M_001477622.1	5721	53	9.42%	2.6015 95	76	11.19%	3.734 769	-
22130	4170	53	46.24%	3.5692 38	30	29.64%	2.022 587	Ttf1
109032	1947	53	45.20%	7.6444 39	74	59.37%	10.68 533	Sp110
14426	5136	53	36.51%	2.8979 21	50	35.81%	2.736 952	Galnt4
71989	1827	53	73.29%	8.1465 37	42	59.11%	6.462 981	Rpusd4
15983	1980	53	70.91%	7.5170 32	41	62.42%	5.821 579	Ifrd2
67704	991	53	48.64%	15.018 89	49	63.87%	13.90 095	1810037 I17Rik
320271	10705	53	20.12%	1.3903 52	25	11.03%	0.656 562	Scai
229503	2847	53	49.07%	5.2278 62	35	42.11%	3.456 23	Rrnad1
74197	3058	53	48.99%	4.8671 43	33	33.09%	3.033 881	Gtf2e1
gi 148539995 ref N M_009677.4	3544	53	15.04%	4.1996 96	26	13.06%	2.062 537	-
52064	2001	53	68.32%	7.4381 42	34	59.97%	4.776 986	Coq5
66161	1214	53	78.42%	12.260 07	45	70.68%	10.42 116	Pop4
12289	9079	53	23.84%	1.6393 57	39	18.34%	1.207 671	Cacna1d
64450	2971	53	49.85%	5.0096 68	50	46.75%	4.731 398	Gpr85

66915	760	53	42.24%	19.583 85	76	55.26%	28.11 397	Myeov2
93671	4492	53	31.50%	3.3133 84	39	31.06%	2.440 883	Cd163
54630	2376	53	56.31%	6.2641 93	48	51.05%	5.679 589	Prickle3
gi 108773812 ref NM_001002929.3	2147	53	57.62%	6.9323 35	53	50.72%	6.940 103	-
68187	6467	53	29.53%	2.3014 88	50	24.17%	2.173 648	Fam135a
22640	1900	53	63%	7.8335 38	46	59.58%	6.806 539	Zfp1
246710	5231	53	36.63%	2.8452 92	22	19.35%	1.182 388	Rhobtb2
75406	758	53	80.47%	19.635 52	65	89.71%	24.10 828	Ndufs7
271221	2651	53	54.85%	5.6143 81	25	31.08%	2.651 26	5031414 D18Rik
60361	1282	53	69.50%	11.609 77	7	24.65%	1.535 084	Ms4a4b
72599	1823	52	65.61%	8.0103 66	50	60.67%	7.710 907	Pdia5
56857	4440	52	37.68%	3.2889 41	30	24.03%	1.899 592	Slc37a2
68349	940	52	58.83%	15.535	37	49.26%	11.06 614	Ndufs3
69807	3196	52	47.15%	4.5691 17	38	41.11%	3.342 712	Trim32
229725	3064	52	35.57%	4.7659 59	50	42.46%	4.587 788	Clcc1
57752	9103	52	15.91%	1.6041 85	40	16.58%	1.235 371	Tacc2
54125	2943	52	50.83%	4.9619 09	31	33.67%	2.961 376	Polm
18557	3061	52	49.82%	4.7706 3	44	49.26%	4.041 21	Cdk18
20174	1675	52	74.57%	8.7181 48	63	83.58%	10.57 421	Ruvbl2
72106	2108	52	55.65%	6.9273 71	50	51.47%	6.668 398	Jmjd8
69955	2140	52	59.16%	6.8237 84	51	54.72%	6.700 057	Fars2
226499	3255	52	40.89%	4.4862 97	44	34.50%	3.800 352	BC0033 31

66998	2065	52	64.16%	7.0716 21	52	53.22%	7.079 546	Psm5
1E+08	9833	52	18.50%	1.4850 91	33	12.43%	0.943 518	5830417 I10Rik
17125	3133	52	52.79%	4.6609 95	25	29.11%	2.243 374	Smad1
69821	3315	52	53.39%	4.4050 97	39	40.21%	3.307 525	Mterfd2
19122	2206	52	58.88%	6.6196 27	33	45.78%	4.205 625	Prnp
27402	2527	52	36.05%	5.7787 49	44	37.32%	4.895 19	Pdhx
224671	6857	52	21.48%	2.1296 34	34	15.63%	1.394 013	Btbd9
66245	1488	52	79.30%	9.8137 76	54	72.72%	10.20 265	Hspbp1
66583	1622	52	53.21%	9.0030 2	37	54.81%	6.413 174	Exosc1
72320	2535	52	56.02%	5.7605 12	33	45.92%	3.659 806	2510003 E04Rik
229589	3160	52	47.22%	4.6211 7	47	45.51%	4.181 508	Prune
58180	6360	52	31.48%	2.2960 53	57	31.16%	2.519 648	Hic2
225845	3523	52	28.41%	4.1450 18	69	32.36%	5.506 283	Pla2g16
30838	1946	52	54.21%	7.5040 59	33	43.53%	4.767 528	Fbxw4
227960	3288	52	41.94%	4.4412 71	51	47.63%	4.360 743	Gca
70333	2248	52	59.07%	6.4959 51	60	68.28%	7.503 728	Cd3eap
66972	3376	52	52.58%	4.3255 03	57	52.49%	4.746 73	Slc25a23
230801	2941	52	41.48%	4.9652 83	39	34.65%	3.728 136	Pigv
67515	1832	52	71.29%	7.9710 14	30	42.85%	4.603 815	Ttc33
235527	3259	52	44.22%	4.4807 91	30	31.27%	2.587 969	Plscr4
100087	1556	52	66.97%	9.3848 96	54	71.98%	9.756 775	Kti12
26926	2115	52	68.04%	6.9044 44	62	74.56%	8.241 446	Aifm1

78787	6495	52	32.84%	2.2483 29	38	21.37%	1.644 851	Usp54
338371	5164	52	34.16%	2.8278 27	34	24.79%	1.851 036	Endov
208092	1561	52	70.02%	9.3548 35	38	55.35%	6.843 887	Chmp6
209478	4209	52	42.43%	3.4694 46	35	28.75%	2.337 821	Tbc1d12
230967	3293	52	49.71%	4.4345 27	46	48.50%	3.927 247	BC0463 31
269713	4995	52	34.75%	2.9235 03	51	30.13%	2.870 495	Clip2
217558	6703	52	31.33%	2.1785 62	39	23.51%	1.635 752	G2e3
70757	3603	52	31.61%	4.0529 83	68	36.58%	5.305 994	Ptplb
68523	680	52	86.32%	21.474 85	63	92.65%	26.04 676	Fam96b
77951	1501	52	70.02%	9.7287 8	48	72.09%	8.990 476	Cyp20a1
227102	1849	52	67.50%	7.8977 27	38	60.09%	5.777 884	Ormdl1
373864	7635	52	27.37%	1.9126 26	58	23.48%	2.135 704	Col27a1
19200	1853	52	61.74%	7.8806 79	24	42.58%	3.641 312	Pstpip1
23962	3136	52	45.31%	4.6565 36	70	53.76%	6.275 439	Oasl2
101206	1855	52	61.24%	7.8721 82	47	60%	7.123 215	Tada3
269702	8226	52	26.03%	1.7752 13	22	11.04%	0.751 893	Mphosph 9
22427	6383	52	19.72%	2.2877 8	42	19.99%	1.849 893	Wrm
55960	1606	52	63.51%	9.0927 14	42	62.76%	7.352 345	Ebag9
13401	2520	52	52.86%	5.7948 01	65	54.33%	7.251 618	Dmwd
18803	4435	52	38.38%	3.2926 49	17	15.13%	1.077 649	Plcg1
216439	5633	51	31.03%	2.5425 3	26	20.08%	1.297 644	Agap2
70383	2921	51	54.43%	4.9031 4	32	39.44%	3.079 928	Cox10

66455	1781	51	65.52%	8.0415 91	46	56.04%	7.261 328	Cnpy4
224656	2729	51	53.06%	5.2481 03	29	38.11%	2.987 56	Zfp523
320816	2356	51	52.63%	6.0789 78	20	27.59%	2.386 585	Ankrd16
16491	1968	51	63.06%	7.2774 76	39	48.83%	5.571 365	Kcna3
81913	1215	51	76.95%	11.787 71	43	59.01%	9.949 799	Bambi-p s1
381066	2600	51	22.92%	5.5084 9	41	21.50%	4.433 356	Zfp948
66125	750	51	84.40%	19.096 1	60	92.67%	22.49 117	Sf3b5
245886	4292	51	30.36%	3.3369 23	61	31.87%	3.995 694	Ankrd27
215008	4479	51	31.99%	3.1976 05	27	24.13%	1.694 747	Vezt
12571	2470	51	60.24%	5.7984 1	26	35.02%	2.959 365	Cdk6
101202	2236	51	60.82%	6.4052 21	23	38.33%	2.891 866	Hepacam 2
268281	7385	51	17.25%	1.9393 46	31	11.89%	1.180 139	Shprh
245174	6920	51	15.77%	2.0696 64	44	11.47%	1.787 593	Zfp937
93675	988	51	80.06%	14.496 03	22	52.43%	6.260 195	Clec2i
15528	788	51	57.99%	18.175 22	66	66.12%	23.54 723	Hspe1
56284	5016	51	30.52%	2.8552 78	43	26.14%	2.410 089	Mrpl19
16594	3032	51	54.09%	4.7236 39	38	39.22%	3.523 518	Klc2
13667	2119	51	54.79%	6.7588 83	30	40.40%	3.980 269	Eif2b4
72482	1504	51	67.02%	9.5226 55	54	76.33%	10.09 411	Acbd6
231532	3353	51	49.33%	4.2714 21	59	51.74%	4.946 985	Arhgap2 4
19152	983	51	69.28%	14.569 76	159	79.15%	45.47 427	Prtn3
69269	888	51	79.62%	16.128 46	32	82.77%	10.13 116	Scnm1-p s

97827	3323	51	44.21%	4.3099 83	26	32.68%	2.199 708	Exd2
107895	3104	51	47.84%	4.6140 7	23	26.51%	2.083 187	Mgat5
14683	3775	51	3.71%	3.7939 27	58	3.60%	4.319 497	Gnas
20598	1621	51	66.07%	8.8353 32	21	44.42%	3.642 155	Smpd2
69504	2075	51	59.18%	6.9022 04	30	45.25%	4.064 67	Zfp932
269881	3690	51	46.45%	3.8813 21	39	37.53%	2.971 395	Map3k1 0
71767	2286	51	51.40%	6.2651 24	36	38.58%	4.427 396	Tysnd1
67870	1844	51	75.22%	7.7668 51	45	59.38%	6.860 783	Enoph1
212398	2176	51	61.58%	6.5818 35	47	53.86%	6.072 41	Frat2
330812	9685	51	20.95%	1.4787 89	36	14.69%	1.045 021	Rnf150
74998	5373	51	29.56%	2.6655 64	20	14%	1.046 49	Rab11fip 2
gi 149269233 ref XR_030915.1	1394	51	42.75%	10.274 08	32	37.45%	6.453 708	-
76889	2190	51	60%	6.5397 59	45	59.59%	5.776 842	Adck4
gi 41235746 ref NM_201359.1	1630	51	70.25%	8.7865 48	57	74.66%	9.831 264	-
30939	1698	51	46.88%	8.4346 72	52	43.40%	8.609 695	Pttg1
65112	4531	51	18.52%	3.1609 08	64	20.19%	3.971 074	Pmepa1
52653	1618	50	63.78%	8.6781 51	40	54.14%	6.950 301	Nudcd2
12626	1013	50	67.52%	13.861 05	69	68.02%	19.14 969	Cetn3
667214	3863	50	22.03%	3.6348 04	18	13.20%	1.309 996	9930111 J21Rik1
67525	3216	50	49.04%	4.3660 6	24	26.93%	2.098 057	Trim62
72296	3799	50	32.17%	3.6960 38	54	29.22%	3.996 194	Rusc1
75763	7739	50	25.09%	1.8143 49	41	19.68%	1.489 434	Dcaf17

68034	1696	50	60.38%	8.2790 38	36	52.77%	5.967 587	Fam122a
108841	3044	50	43.04%	4.6127 62	26	31.47%	2.401 324	Rdh13
64658	6076	50	19.08%	2.3109 36	45	14.09%	2.082 173	Mrps25
330189	1860	50	68.33%	7.5490 58	44	61.61%	6.650 616	Tmem12 0b
68153	1664	50	65.87%	8.4382 5	26	55.23%	4.392 807	Gtf2e2
320184	8592	50	12.55%	1.6342 23	29	8.61%	0.948 912	Lrrc58
268970	5317	50	35.53%	2.6408 22	18	15.12%	0.951 761	Arhgap2 8
26379	2264	50	55.26%	6.2019 65	50	55.48%	6.208 915	Esrra
213208	2479	50	62.97%	5.6640 78	54	68.74%	6.124 059	Ii20rb
102566	2599	50	50.67%	5.4025 58	62	65.49%	6.706 679	Ano10
241944	6625	50	29.75%	2.1194 34	41	26.26%	1.739 883	D3Erd2 54e
240753	7397	50	25.82%	1.8982 36	65	29.97%	2.470 472	Plekha6
50789	4265	50	13.18%	3.2922 04	29	11.86%	1.911 618	Fbxl3
gi 149247818 ref X M_001477693.1	2314	50	47.67%	6.0679 55	28	30.86%	3.401 863	-
53895	1207	50	63.79%	11.633 18	46	59.90%	10.71 452	Clpp
214084	3803	50	41.41%	3.6921 5	29	30.13%	2.143 847	Slc18a2
68475	864	50	83.45%	16.251 44	44	83.22%	14.31 73	Ssna1
gi 146149243 ref N M_145486.4	3425	50	42.04%	4.0996 34	21	20.26%	1.723 776	-
217827	3708	50	47.79%	3.7867 44	30	33.55%	2.274 593	BC0022 30
104086	1890	50	67.72%	7.4292 32	52	70%	7.735 059	Cyp27a1
gi 146149078 ref N M_153410.4	3357	50	45.13%	4.1826 77	42	38.73%	3.517 386	-
57815	2910	50	49.14%	4.8251 71	33	47.46%	3.188 182	Spata5

17096	3456	50	6.92%	4.0628 61	63	6.74%	5.124 942	Lyn
66787	2787	50	48.22%	5.0381 23	44	40.19%	4.438 516	4933433 P14Rik
107449	5867	50	29.73%	2.3932 59	54	35.83%	2.587 616	Unc5b
28010	1830	50	60.49%	7.6728 13	33	45.63%	5.069 732	Miip
225215	1522	50	52.17%	9.2255 24	61	48.62%	11.26 775	Rsl24d1
68079	1283	50	66.87%	10.944 07	43	59%	9.422 452	Pdcd2l
68092	2054	50	63.92%	6.8360 51	47	60.13%	6.433 089	Ncbp2
228482	5017	50	34.10%	2.7987 34	23	19.04%	1.288 86	Arhgap1 1a
67936	1499	50	68.65%	9.3670 77	39	68.98%	7.314 508	Wdr55
67384	4798	50	37.14%	2.9264 79	34	31.37%	1.992 236	Bag4
74098	1551	50	60.54%	9.0530 29	38	56.67%	6.888 012	0610037 L13Rik
73182	4501	50	39.72%	3.1195 84	76	50.81%	4.747 082	Pear1
240185	6748	50	30.54%	2.0808 01	20	12.86%	0.833 253	9430020 K01Rik
68731	1361	50	70.76%	10.316 86	44	73.62%	9.089 012	Rbfa
110695	3105	50	44.64%	4.5221 41	40	44.03%	3.621 767	Aldh7a1
56488	1078	49	74.03%	12.764 77	51	72.26%	13.30 067	Nxt1
50817	3288	49	48.33%	4.1850 44	34	33%	2.907 162	Solh
80280	1892	49	73.15%	7.2729 51	37	62.47%	5.497 974	Cdk5rap 3
224893	2059	49	58.57%	6.6830 61	44	49.49%	6.007 841	Zfp959
59054	1590	49	56.29%	8.6543 54	65	64.91%	11.49 313	Mrps30
75398	768	49	78.78%	17.917 22	76	84.11%	27.82 111	Mrpl32
216136	2348	49	52.68%	5.8604 87	36	44.97%	4.310 489	Ilvbl

60409	1196	49	52.93%	11.505 37	44	61.20%	10.34 293	Trappc4
52662	2493	49	50.90%	5.5196 24	36	44.93%	4.059 779	D18Erd 653e
19340	3868	49	41.86%	3.5575 03	48	39.53%	3.488 807	Rab3d
66950	4204	49	35.85%	3.2731 74	22	20.43%	1.471 235	Tmem20 6
67862	1243	49	84.79%	11.070 33	32	69.83%	7.237 706	2310033 P09Rik
212647	3355	49	43.64%	4.1014 67	30	28.11%	2.513 916	Aldh4a1
69499	3814	49	30.94%	3.6078 72	46	27.90%	3.390 777	Tsr2
66934	2283	49	59.79%	6.0273 43	23	38.68%	2.832 331	Dsn1
18637	745	49	72.35%	18.470 37	97	73.56%	36.60 476	Pfdn2
19309	2874	49	50.38%	4.7879	54	55.05%	5.282 374	Pygm
15382	1918	49	14.18%	7.1743 6	75	11.99%	10.99 347	Hnrnpa1
268294	2850	49	52.42%	4.8282 19	41	47.86%	4.044 465	Zbtb24
104859	7830	49	25.25%	1.7573 98	35	18.51%	1.256 691	Tecpr2
66885	3348	49	47.07%	4.1100 43	75	56.60%	6.297 931	Acadsb
16348	5632	49	29.56%	2.4432 57	41	26.81%	2.046 649	Invs
74513	5646	49	31.03%	2.4371 99	25	17.85%	1.244 862	Neto2
71617	2896	49	58.67%	4.7515 27	40	43.89%	3.883 144	9130011 E15Rik
19018	780	49	77.18%	17.641 57	64	72.95%	23.06 787	Scand1
74108	2902	49	57.86%	4.7417 03	46	46.45%	4.456 383	Parn
116748	927	49	84.68%	14.844 04	57	90.29%	17.28 69	Lsm10
239122	3034	49	50.49%	4.5354 06	50	44.40%	4.633 152	Setdb2
215445	5015	49	36.59%	2.7438 53	30	25.64%	1.681 793	Rab11fip 3

17245	3161	49	50.08%	4.3531 87	25	30.81%	2.223 503	Mdm1
22393	3564	49	46.55%	3.8609 49	23	26.40%	1.814 313	Wfs1
100972	1636	49	66.69%	8.4110 17	30	56.11%	5.155 373	Rab28
56452	1663	49	55.08%	8.2744 58	34	55.80%	5.747 894	Orc6
72745	2764	49	51.59%	4.9784 45	42	45.77%	4.272 021	Tmem16 1b
353170	3807	49	33.44%	3.6145 06	35	29.89%	2.584 683	Txlng
gi 149270705 ref X M_001479468.1	4692	49	27%	2.9327 42	44	24.77%	2.636 433	-
381678	2271	49	19.07%	6.0591 91	27	24.53%	3.342 479	Zcwpw1
622320	2975	49	51.13%	4.6253 52	45	48.94%	4.252 533	Kctd21
75758	1330	49	75.11%	10.346 18	44	69.55%	9.300 861	9130401 M01Rik
67563	2555	49	52.17%	5.3856 84	39	47.16%	4.291 369	Narfl
72747	2401	49	61.10%	5.7311 22	57	61.43%	6.674 286	Ttc39c
gi 149257794 ref X M_001480403.1	11542	49	2.39%	1.1922 04	27	2.19%	0.657 665	-
246103	6870	49	16.96%	2.0029 73	42	16%	1.718 758	Atxn7
67072	2517	49	53.40%	5.4669 94	37	44.89%	4.132 764	Cdc3711
71735	2201	49	59.38%	6.2518 96	44	53.70%	5.620 239	Lrwd1
56031	1168	48	77.83%	11.540 75	47	81.08%	11.31 298	Ppie
170744	3158	48	48.23%	4.2683 97	45	51.14%	4.006 107	Thr8
171210	2215	48	45.24%	6.0855 97	25	34%	3.173 134	Acot2
50498	1187	48	77.34%	11.356 02	45	79.95%	10.65 82	Ebi3
67664	1334	48	73.69%	10.104 65	23	58.25%	4.847 236	Rnf125
252875	3724	48	42.78%	3.6196 56	35	35.90%	2.642 29	Mios

67230	7933	48	21.91%	1.6991 8	22	11.87%	0.779 664	Zfp329
74385	3165	48	49.45%	4.2589 57	47	48.53%	4.174 902	Mudeng
66272	1997	48	39.61%	6.7499 24	58	33.85%	8.165 298	Cox16
gi 118130653 ref NM_019787.3	2752	48	19.04%	4.8981 1	38	15.41%	3.882 016	-
66845	484	48	83.26%	27.850 41	84	87.60%	48.79 283	Mrpl33
71805	2928	48	45.12%	4.6036 88	22	23.02%	2.112 388	Nup93
277010	3077	48	23.98%	4.3807 6	69	24.73%	6.304 399	Marveld 1
224904	755	48	61.46%	17.853 77	61	65.43%	22.71 46	2410015 M20Rik
66928	769	48	81.53%	17.528 74	42	93.37%	15.35 483	3110001 D03Rik
102060	1734	48	36.62%	7.7737 01	41	38.29%	6.647 478	Gadd45g ip1
66200	904	48	69.58%	14.911 06	29	56.42%	9.018 861	Comm6
gi 149261641 ref XR_002349.2	4024	48	26.32%	3.3498 01	41	25.94%	2.864 495	-
27376	4000	48	32.70%	3.3699	28	28.30%	1.967 978	Slc25a10
246703	905	48	85.08%	14.894 58	59	86.30%	18.32 844	Apoa1bp
67728	2526	48	60.49%	5.3363 41	31	36.50%	3.450 249	Dph2
12153	4464	48	40.59%	3.0196 23	38	32.37%	2.393 214	Bmp1
381091	3380	48	42.01%	3.9880 47	20	24.85%	1.663 548	H2-Eb2
27218	2688	48	53.79%	5.0147 31	50	54.28%	5.229 532	Slamf1
80987	2870	48	51.08%	4.6967 24	29	38.29%	2.840 784	Nckipsd
69606	2042	48	57.39%	6.6011 74	39	57.39%	5.369 465	Mtfmt
1E+08	2277	48	52.39%	5.9198 94	40	45.67%	4.938 773	Gm4589
98404	3476	48	44.33%	3.8779 05	29	34.18%	2.345 527	AI59747 9

240327	2648	48	55.25%	5.0904 83	35	44.71%	3.715 97	Gm4951
13171	3292	48	43.04%	4.0946 53	28	29.53%	2.391 224	Dbt
gi 149258465 ref XR_031754.1	1130	48	26.99%	11.928 85	66	30.71%	16.42 055	-
72807	2033	48	51.65%	6.6303 98	40	40.68%	5.531 523	Zfp429
65102	2161	48	64.92%	6.2376 67	39	50.72%	5.073 784	Nif311
237222	4453	48	39.10%	3.0270 82	27	21.58%	1.704 642	Ofd1
18768	5581	48	27.47%	2.4152 66	41	24.40%	2.065 351	Pkib
16199	3086	48	33.64%	4.3679 84	22	26.09%	2.004 236	Il9r
414077	815	48	65.40%	16.539 38	58	69.08%	20.00 749	BC0564 74
67278	1448	48	69.75%	9.3091 15	37	71.82%	7.183 817	2900092 E17Rik
12408	1081	48	72.53%	12.469 56	56	83.07%	14.56 413	Cbr1
69535	919	48	77.80%	14.667 68	54	80.85%	16.51 963	Ten1
56364	5430	48	32.73%	2.4824 31	30	21.33%	1.553 258	Zymy3
gi 21450262 ref NM_144888.1	3036	48	52.50%	4.4399 2	23	28.19%	2.129 846	-
223920	2126	48	68.86%	6.3403 57	27	47.13%	3.570 447	Soat2
68165	782	48	76.09%	17.237 34	63	85.81%	22.64 936	Fdx11
235584	3227	48	27.92%	4.1771 3	68	26.19%	5.924 232	Dusp7
97165	2692	48	31.46%	5.0072 8	44	24.29%	4.595 15	Hmgb2
212974	2975	48	48.03%	4.5309 57	31	38.62%	2.929 523	Ath11
69161	1107	48	55.65%	12.176 69	53	56.91%	13.46 016	Manbal
76775	3630	48	41.29%	3.7133 88	51	48.10%	3.949 896	Slc10a7
69806	2742	48	45.77%	4.9159 73	39	46.10%	3.998 704	Slc39a11

12953	4019	47	38.14%	3.2840 94	76	41.43%	5.316 401	Cry2
16177	4808	47	30.10%	2.7451 69	50	36.06%	2.923 665	Il1r1
18120	1722	47	63.65%	7.6647 93	37	69.28%	6.040 748	Mrpl49
208211	1772	47	56.83%	7.4485 18	38	51.92%	6.028 954	Alg1
20516	3658	47	38.16%	3.6081 94	30	28.08%	2.305 683	Slc20a2
71679	574	47	43.90%	22.994 38	48	43.21%	23.50 994	Atp5h
13347	2453	47	56.30%	5.3806 66	36	39.22%	4.125 98	Dffa
16164	3686	47	41.02%	3.5807 85	95	54.64%	7.245 868	Il13ra1
77809	1756	47	59.62%	7.5163 86	36	54.56%	5.763 683	Lrrc42
213550	3575	47	46.63%	3.6919 65	39	38.99%	3.066 978	Dis3l
243743	12602	47	16.77%	1.0473 55	50	14.64%	1.115 457	Plxna4
117599	4540	47	35.22%	2.9072 19	37	31.92%	2.291 226	Helb
16651	4408	47	38.29%	2.9942 77	26	25.73%	1.658 265	Sspn
226182	3258	47	43.86%	4.0511 89	39	43.16%	3.365 392	Taf5
320299	2284	47	61.43%	5.7787 97	57	59.41%	7.016 182	Iqcb1
12476	1909	47	60.66%	6.9139 72	69	63.86%	10.16 167	Cd151
51960	2647	47	43.71%	4.9863 14	22	26.07%	2.336 635	Kctd18
72392	3073	47	43.31%	4.2950 78	27	29.19%	2.470 15	Tmem17 5
109241	7055	47	25.02%	1.8708 4	26	15.79%	1.036 092	Mbd5
66196	3924	47	39.02%	3.3636 02	28	27.42%	2.006 093	Myo19
14287	2265	47	64.55%	5.8272 73	47	53.77%	5.833 803	Fpgs
71742	2826	47	43.91%	4.6704 79	39	42.71%	3.879 847	Ulk3

269023	6112	47	28.44%	2.1594 85	19	13.78%	0.873 962	Zfp608
103551	2349	47	50.96%	5.6188 9	54	54.70%	6.462 981	E130012 A19Rik
73046	930	47	76.24%	14.192 23	55	78.49%	16.62 654	Glrx5
16728	5288	47	30.22%	2.4959 86	39	26.95%	2.073 458	L1cam
224008	3261	47	43.79%	4.0474 62	62	49.40%	5.345 188	2310008 H04Rik
14676	1974	47	55.12%	6.6863 09	23	37.69%	3.275 69	Gna15
gi 91064868 ref NM_172619.2	3731	47	45.05%	3.5375 97	26	28.38%	1.959 161	-
1E+08	4075	47	21.87%	3.2389 63	53	24.05%	3.656 54	Gm4408
217588	1509	47	57.06%	8.7467 02	38	67.06%	7.079 726	Mbip
223921	1816	47	64.65%	7.2680 47	50	70.70%	7.740 629	Aaas
210766	4338	47	37.53%	3.0425 94	44	37.18%	2.851 578	Brcc3
338372	10619	47	17.96%	1.2429 39	43	14.65%	1.138 432	Map3k9
214552	5504	47	29.96%	2.3980 33	26	18.84%	1.328 058	Cep164
74764	2322	47	57.45%	5.6842 26	41	56.03%	4.964 137	Klc4
56503	1778	47	65.13%	7.4233 82	27	45.95%	4.269 275	Ankrd49
319262	4227	47	37.43%	3.1224 92	28	25.20%	1.862 293	Fchsdl
545812	1807	47	32.87%	7.3042 46	58	30.11%	9.023 852	Pilrb2
66320	791	47	84.32%	16.686 19	67	89.51%	23.81 335	Tmem20 8
67671	387	47	20.67%	34.105 36	49	32.30%	35.59 649	Rpl38
15205	1487	47	38.80%	8.8761 08	64	38.74%	12.10 016	Hes1
26992	2370	47	18.99%	5.5691 03	19	16.88%	2.253 862	Brd7
74252	2955	47	31.78%	4.4665 9	35	37.66%	3.329 911	Armc1

18764	5221	47	35.36%	2.5280 16	32	24.57%	1.723 131	Pkd2
329504	3407	47	41.41%	3.8740 16	44	36.72%	3.630 803	Lcmt2
64685	1368	47	62.94%	9.6482 26	48	69.37%	9.864 55	Nmi
72056	1882	47	56.16%	7.0131 63	53	68.33%	7.917 323	1810055 G02Rik
gi 149269143 ref X R_034253.1	3326	47	12.18%	3.9683 62	36	10.40%	3.043 003	-
78655	2367	47	14.87%	5.5761 61	77	14.79%	9.145 65	Eif3j
269397	4395	47	40.20%	3.0031 34	22	17.50%	1.407 298	Ss1811
269878	10040	47	17.33%	1.3146 19	38	15.10%	1.064 074	Megf8
70617	1603	47	56.33%	8.2337 95	49	64.69%	8.593 789	5730508 B09Rik
72157	2334	47	57.63%	5.6550 01	35	48.76%	4.215 89	Pgm2
233073	864	47	87.50%	15.276 36	45	85.88%	14.64 269	U2af114
21341	3255	47	47.93%	4.0549 23	51	46.79%	4.404 953	Taf1c
22194	1386	47	40.98%	9.5229 24	30	34.56%	6.085 274	Ube2e1
1E+08	1701	47	7.76%	7.7594 2	45	10.88%	7.437 557	Gm4418
67053	2467	47	49.45%	5.3501 31	34	43.70%	3.874 645	Rpp14
380629	3667	47	14.32%	3.5993 38	23	12.35%	1.763 352	Heca
gi 144922713 ref N M_026409.3	2077	47	59.70%	6.3547 3	25	35.63%	3.383 963	-
101095	5222	47	33%	2.5275 32	27	21.16%	1.453 614	Zfp282
71707	2970	46	47.51%	4.3494 78	19	27.07%	1.798 537	Ubiad1
214444	5603	46	31.04%	2.3055 41	33	22.90%	1.655 829	Cdk5rap 2
236539	1871	46	33.62%	6.9043 02	49	37.04%	7.362 824	Phgdh
213439	5211	46	31.11%	2.4789 77	13	10.38%	0.701 365	Gpr174

218343	5381	46	31.39%	2.4006 59	22	17.86%	1.149 428	Ttc37
12856	436	46	63.99%	29.628 32	27	62.16%	17.41 002	Cox17
232086	1510	46	74.57%	8.5549 33	36	53.91%	6.702 667	Tmem15 0a
1E+08	4150	46	33.13%	3.1127 59	19	14.67%	1.287 145	Gm2179
210529	2625	46	52.04%	4.9211 23	41	47.89%	4.391 134	Mettl14
338362	4284	46	35.83%	3.0153 94	59	44.07%	3.871 905	Ust
619605	1411	46	72.64%	9.1551 72	35	70.80%	6.973 698	Zcchc17
26407	5305	46	29.56%	2.4350 52	41	28.09%	2.172 804	Map3k4
24075	787	46	66.07%	16.414 17	49	70.39%	17.50 425	Taf10
69792	1019	46	81.65%	12.677 08	56	91.36%	15.45 027	Med6
230393	5796	46	23.05%	2.2287 7	51	21.34%	2.473 796	BC0570 79
27965	2690	46	14.65%	4.8022 11	54	17.99%	5.643 696	Spg21
19210	3424	46	20.44%	3.7727 65	66	26.14%	5.419 164	Ptdss1
76561	2171	46	50.76%	5.9502 3	35	45.65%	4.532 422	Snx7
68267	2805	46	46.81%	4.6053 29	39	45.45%	3.908 894	Slc25a22
gi 225690605 ref N M_175025.3	4873	46	20.46%	2.6509 23	38	16.85%	2.192 347	-
67239	1830	46	48.69%	7.0589 88	41	44.10%	6.298 757	Rpf2
57782	3446	46	44.31%	3.7486 79	30	30.56%	2.447 53	Rbak
12367	1466	46	63.71%	8.8116 97	32	64.67%	6.136 746	Casp3
110821	2603	46	56.97%	4.9627 15	50	54.25%	5.400 301	Pcca
68776	1220	46	77.38%	10.588 48	47	72.05%	10.83 079	Taf11
gi 118129929 ref N M_010148.2	4209	46	38.16%	3.0691 25	29	24.97%	1.937 052	-

66704	1840	46	57.12%	7.0206 24	56	58.04%	8.556 424	Rbm4b
229615	2975	46	43.53%	4.3421 67	21	25.98%	1.984 515	Pias3
68897	5030	46	32.84%	2.5681 81	25	20.46%	1.397 314	Disp1
72462	4809	46	34.83%	2.6862 03	28	21.17%	1.636 912	Rrp1b
74268	1432	46	61.31%	9.0209 14	39	62.57%	7.656 737	Aven
69288	4329	46	36.59%	2.9840 49	27	24.79%	1.753 47	Rhobtb1
268481	2735	46	52.91%	4.7231 99	18	20.40%	1.850 279	Krt222
gi 149257652 ref X M_992714.2	3618	46	39%	3.5704 67	25	25.21%	1.942 646	-
319899	6577	46	30.17%	1.9641 1	23	13.38%	0.983 155	Dock6
70456	854	46	89.58%	15.126 4	68	90.98%	22.38 583	Mpc2
212442	1889	46	60.93%	6.8385 12	38	48.81%	5.655 536	Lactb2
72113	2287	46	49.19%	5.6484 25	22	39.92%	2.704 448	Adck1
70020	1038	46	75.24%	12.445 04	36	74.66%	9.750 508	Ino80b
217366	2476	46	55.09%	5.2172 65	24	34.09%	2.725 102	Lrrc45
235406	4564	46	34.68%	2.8304 01	37	26.18%	2.279 178	Snx33
56441	2020	46	55.20%	6.3950 24	45	54.75%	6.263 012	Nat6
233806	1427	46	61.39%	9.0525 22	57	73.65%	11.22 983	Tmem15 9
16998	5209	46	31.71%	2.4799 29	66	39.18%	3.562 146	Ltbp3
76933	481	45	86.69%	26.272 61	93	89.40%	54.35 756	Ifi2712a
50884	3387	45	44.05%	3.7310 67	18	23.29%	1.494 099	Nckap1
69737	4562	45	32.38%	2.7700 84	57	37.94%	3.512 705	Ttl
gi 21644576 ref N M_145215.1	1505	45	61.73%	8.3967 6	44	55.68%	8.219 366	-

18970	1227	45	75.47%	10.299 2	67	88.26%	15.35 155	Polb
11677	1402	45	27.75%	9.0136 4	49	26.18%	9.825 851	Akr1b3
218734	2477	45	57.09%	5.1017 86	59	50.99%	6.696 504	3830406 C13Rik
70227	5978	45	21.16%	2.1139 38	42	13.37%	1.975 22	Zfp619
16428	4284	45	33.85%	2.9498 42	4	4.58%	0.262 502	Itk
268291	2873	45	43.30%	4.3985 81	20	23.60%	1.957 116	Rnf217
20892	655	45	82.29%	19.293 32	49	85.80%	21.03 182	Stra13
20444	4470	45	35.59%	2.8270 97	43	34.85%	2.704 475	St3gal2
72119	4365	45	27.06%	2.8951 03	32	24.26%	2.061 047	Tpx2
67903	1632	45	62.50%	7.7433 35	45	66.48%	7.752 013	Gipc1
27055	3011	45	46.53%	4.1969 85	44	53.17%	4.108 318	Fkbp9
210009	3692	45	37.57%	3.4228 39	32	33.56%	2.436 747	Mtrr
382073	1175	45	62.81%	10.755	33	53.28%	7.895 837	Ccdc84
66126	1091	45	66.36%	11.583 06	51	77.18%	13.14 218	Elof1
170707	5766	45	17.81%	2.1916 62	38	14.57%	1.852 811	Usp48
14936	3681	45	49.04%	3.4330 68	25	26.95%	1.909 397	Gys1
99890	3071	45	27.94%	4.1149 86	35	18.79%	3.204 132	Prmt6
66381	1393	45	59.30%	9.0718 76	24	54.77%	4.843 756	Rnf113a 2
215436	3508	45	32.47%	3.6023 73	47	30.73%	3.766 694	Slc35e3
66647	1391	45	64.56%	9.0849 2	51	66.28%	10.30 778	Ndn12
72568	2996	45	45.43%	4.2179 98	25	28.87%	2.345 958	Lin9
238831	2367	45	59.91%	5.3388 78	44	47.19%	5.226 086	Ppwd1

246730	1889	45	38.75%	6.6898 48	58	43.14%	8.632 134	Oas1a
56708	818	45	87.41%	15.448 81	49	85.70%	16.84 088	Clcf1
320609	5370	45	30.71%	2.3532 82	20	15.77%	1.047 075	Fam40b
268857	4080	45	24.14%	3.0973 34	34	22.23%	2.342 831	Nlrc3
50753	3527	45	32.52%	3.5829 67	19	22.17%	1.514 503	Fbxo8
gi 141802638 ref N M_176833.3	4781	45	36.21%	2.6431 97	24	23.03%	1.411 285	-
99010	1920	45	60.99%	6.5818 35	18	35.52%	2.635 684	Lpcat4
76457	2073	45	61.79%	6.0960 56	29	42.79%	3.932 972	Ccdc134
67547	3533	45	39.48%	3.5768 82	35	32.07%	2.785 137	Slc39a8
gi 21703809 ref N M_145405.1	629	45	86.49%	20.090 82	40	84.90%	17.87 852	-
13655	1416	45	74.51%	8.9245 22	22	44.35%	4.367 989	Egr3
208884	2995	45	16.13%	4.2194 07	40	15.56%	3.754 787	Zdhhc9
320292	2996	45	6.11%	4.2179 98	45	6.07%	4.222 725	Rasgef1b
319945	2223	45	53.35%	5.6847 16	23	36.71%	2.908 777	Flad1
94063	1134	45	73.28%	11.143 85	51	64.46%	12.64 385	Mrpl16
56077	5208	45	27.40%	2.4264 83	21	16.38%	1.133 628	Dgke
66223	3695	45	25.76%	3.4200 6	49	28.66%	3.728 239	Mrpl35
76184	5240	45	31.77%	2.4116 65	48	37.46%	2.575 325	Abca6
215160	4171	45	35.82%	3.0297 59	28	24.09%	1.887 296	Rhbdd2
76408	5002	45	33.35%	2.5264 14	90	53.24%	5.058 491	Abcc3
73822	1702	45	66.75%	7.4248 67	22	45.53%	3.634 003	Mfsd12
15957	2638	45	55.16%	4.7904 18	139	83.28%	14.81 365	Ifit1

68730	1909	45	58.77%	6.6197 61	44	59.19%	6.479 908	Dus11
66911	1269	45	66.59%	9.9583 32	34	67.30%	7.532 505	Nudt16l1
226153	3515	45	41.96%	3.5951 99	18	19.54%	1.439 691	Peo1
211896	1734	45	66.55%	7.2878 45	53	68.74%	8.593 081	Depdc7
22591	3634	44	40.09%	3.4001 92	28	23.61%	2.166 183	Xpc
170741	1020	44	29.22%	12.114 02	65	28.53%	17.91 576	Pilrb1
242691	2003	44	45.78%	6.1688 96	71	57.61%	9.965 51	Gpatch3
16560	8257	44	19.93%	1.4964 63	30	13.50%	1.021 459	Kif1a
20680	3266	44	41.95%	3.7833 12	39	40.54%	3.357 148	Sox7
78878	4387	44	28.47%	2.8165 71	16	12.01%	1.025 356	B230206 F22Rik
53325	5455	44	24.14%	2.2651 33	35	20.33%	1.803 829	Banp
74168	1838	44	47.33%	6.7226 87	40	46.52%	6.118 382	Zdhhc16
214763	4000	44	31.40%	3.0890 75	53	34.43%	3.725 101	Mb21d1
15567	2747	44	45.69%	4.4981 06	2	1.97%	0.204 689	Slc6a4
68080	1425	44	66.25%	8.6710 87	35	61.75%	6.905 185	Gpn3
110175	1362	44	58.08%	9.0721 72	89	65.05%	18.37 109	Ggct
69870	1402	44	68.47%	8.8133 37	29	54.28%	5.815 3	Polr3gl
18700	3593	44	39.13%	3.4389 92	18	17.95%	1.408 437	Piga
56177	2727	44	45.95%	4.5310 96	55	50.02%	5.670 217	Olfm1
70225	1292	44	39.94%	9.5636 98	32	31.81%	6.963 211	Ppil3
13008	889	44	81.33%	13.899 1	52	85.04%	16.44 461	Csrp2
72244	3357	44	32.89%	3.6807 56	54	41.61%	4.522 354	1600014 C10Rik

54160	3200	44	45.50%	3.8613 43	52	50.03%	4.568 519	Copg2
58861	2754	44	43.32%	4.4866 73	60	61.26%	6.125 047	Cysltrl
229600	447	44	91.28%	27.642 73	47	95.97%	29.56 055	BC0285 28
77877	3974	44	38.45%	3.1092 85	32	30.05%	2.263 832	6030458 C11Rik
27015	4226	44	29.51%	2.9238 76	31	25.79%	2.062 312	Polk
108115	3100	44	49.19%	3.9859 03	26	24.03%	2.357 946	Slco4a1
18019	6660	44	26.47%	1.8553	14	8.86%	0.590 984	Nfatc2
77605	1636	44	44.25%	7.5527 5	50	47.92%	8.592 288	H2afv
108089	5163	44	33.18%	2.3932 4	8	7.59%	0.435 622	Rnf144a
22757	3829	44	40.82%	3.2270 3	30	27.08%	2.202 713	Zkscan5
20822	8736	44	21.77%	1.4144 11	38	19.32%	1.222 906	Trove2
102093	4640	44	35.99%	2.6629 95	37	30.45%	2.241 846	Phkb
108755	1344	44	70.98%	9.1936 74	23	54.17%	4.811 17	Lymr2
238693	2365	44	46.89%	5.2246 5	29	44.27%	3.447 379	Zfp58
78834	2486	44	51.69%	4.9703 53	43	50.36%	4.862 834	Zfp623
56484	2889	44	42.85%	4.2770 16	29	39.49%	2.822 101	Foxo3
66559	1259	44	72.68%	9.8143 75	40	65.29%	8.932 158	Metap1d
57230	2086	44	43.96%	5.9234 41	34	39.41%	4.582 334	Sap30bp
gi 142381159 ref NM_001033134.2	1485	44	69.16%	8.3207 4	27	44.85%	5.111 63	-
gi 124487212 ref NM_001081154.1	6398	44	13.30%	1.9312 75	33	12%	1.450 08	-
217149	750	44	83.60%	16.475 06	38	80.93%	14.24 441	Cisd3
64704	1739	44	56.47%	7.1054 04	53	55.55%	8.568 374	Htra2

68729	5649	44	26.62%	2.1873 43	33	22.11%	1.642 345	Trim37
224585	3809	44	36.81%	3.2439 74	27	30.03%	1.992 851	Zfp160
69893	2876	44	51.43%	4.2963 49	40	45.83%	3.910 148	Selrc1
1E+08	1770	44	43.90%	6.9809 6	20	30.45%	3.176 719	Gm4492
68366	2259	43	61.84%	5.3454 95	28	48.03%	3.484 688	Tmem12 9
102644	2388	43	38.48%	5.0567 31	45	47.53%	5.297 858	Oaf
101488	4381	43	33.49%	2.7563 28	13	12.46%	0.834 242	Slco2b1
380601	3164	43	44.03%	3.8165 21	31	35.62%	2.754 529	Fastkd5
218629	4098	43	36.19%	2.9466 75	39	33.04%	2.675 56	Dhx29
105827	3214	43	46.20%	3.7571 48	24	29.93%	2.099 363	Amigo2
66350	1541	43	61.19%	7.8361 28	28	55.16%	5.108 313	Pla2g12a
74114	2803	43	52.05%	4.3080 53	41	47.27%	4.112 282	Crot
140795	1844	43	50.49%	6.5485 21	43	48.26%	6.555 86	P2ry14
71787	1146	43	73.65%	10.537 06	34	70.24%	8.340 967	Trnau1a p
66602	1564	43	57.61%	7.7208 91	23	49.62%	4.134 407	1700020 I14Rik
78309	7818	43	21.28%	1.5445 73	40	20.89%	1.438 422	Cul9
68147	1271	43	39.97%	9.5007 66	67	54.92%	14.82 011	Gar1
230119	5632	43	28.78%	2.1440 83	22	15.50%	1.098 202	Zbtb5
213056	8695	43	20.79%	1.3887 84	18	9.50%	0.582 003	Fam126b
94066	917	43	79.83%	13.168 46	46	75.68%	14.10 297	Mrpl36
72137	2109	43	59.17%	5.7256 87	41	47.98%	5.465 494	Wdsub1
66086	1438	43	69.96%	8.3974 08	37	57.72%	7.233 774	Fopnl

244421	3930	43	24.40%	3.0726 4	34	19.06%	2.432 252	Lonrf1
93697	4070	43	37.49%	2.9669 47	22	22.46%	1.519 674	Narg2
211986	2971	43	44.97%	4.0644 47	31	37.39%	2.933 467	Tmem18
gi 149267808 ref X M_001477204.1	5621	43	23.87%	2.1482 78	40	22.42%	2.000 638	-
gi 54292134 ref N M_001005847.1	1266	43	64.53%	9.5382 89	45	67.93%	9.993 116	-
211255	4529	43	34.05%	2.6662 56	35	27.16%	2.172 64	Kbtbd7
227326	2550	43	58.98%	4.7354 8	19	27.80%	2.094 766	Gpr55
19300	2527	43	39.81%	4.7785 81	34	43.02%	3.782 647	Abcd4
gi 149252469 ref X M_001473943.1	3440	43	37.30%	3.5103 12	40	33.66%	3.269 066	-
268752	2011	43	61.96%	6.0047 11	16	32.02%	2.236 815	Wdfy2
100210	1356	43	53.02%	8.9052 16	37	55.68%	7.671 215	Gpn2
231999	6723	43	26.48%	1.7961 44	28	18.52%	1.170 893	Plekha8
17295	6652	43	26.97%	1.8153 15	26	16.72%	1.098 862	Met
75627	2125	43	63.15%	5.6825 76	31	44.28%	4.101 332	Snapc1
59047	2099	43	47.45%	5.7529 65	39	53.07%	5.223 653	Pnkp
71966	2013	43	29.76%	5.9987 45	35	27.87%	4.888 171	Nkiras2
75957	2339	43	47.84%	5.1626 65	58	64.99%	6.971 398	Mirl7hg
72522	3011	43	46.46%	4.0104 53	37	38.39%	3.454 722	Atxn7l2
69684	1346	43	78.68%	8.9713 77	27	58.25%	5.639 503	Aarsd1
19043	3280	43	15.70%	3.6815 47	44	16.19%	3.771 386	Ppm1b
59030	3215	43	32.94%	3.7559 79	54	41.84%	4.722 097	Mkks
20190	15362	43	5.74%	0.7860 61	41	4.97%	0.750 34	Ryr1

381598	4009	43	23.97%	3.0120 91	24	21.08%	1.683 051	2610005 L07Rik
69456	1550	43	65.03%	7.7906 28	34	60.84%	6.166 935	CommD1 0
319162	1990	43	48.34%	6.0680 77	26	34.72%	3.673 182	Hist3h2a
218699	2840	43	14.47%	4.2519 27	51	14.05%	5.048 635	Pxk
17535	3034	43	52.34%	3.9800 51	26	29.93%	2.409 239	Mre11a
66948	2865	43	41.15%	4.2148 25	33	37.63%	3.238 258	Acad8
13178	3057	43	38.76%	3.9501 06	59	48.09%	5.425 986	Dck
64933	3467	43	44.79%	3.4829 75	28	36.20%	2.270 525	Ap3m2
18203	1175	43	75.15%	10.277	43	72.34%	10.28 852	Ntan1
68040	1991	43	61.13%	6.0650 29	31	53.09%	4.377 363	Zfp593
52377	1453	43	68.13%	8.3107 18	27	51%	5.224 206	Rcn3
13000	3766	43	18.99%	3.2064 45	57	14.74%	4.255 167	Csnk2a2
170833	2617	43	48.41%	4.6142 43	28	37.56%	3.007 99	Hook2
15078	1076	43	7.90%	11.222 56	38	6.78%	9.928 724	H3f3a
14548	1061	43	51.18%	11.381 22	65	61.17%	17.22 345	Mrps33
17685	3056	43	42.93%	3.9513 98	22	30.40%	2.023 911	Msh2
107684	4112	43	38.76%	2.9366 42	25	23.08%	1.709 264	Coro2a
319625	2245	43	51.45%	5.3788 3	29	44.28%	3.631 648	Galm
12460	1057	43	72.66%	11.424 29	39	66.70%	10.37 318	Ccs
226757	7063	43	10.38%	1.7096 81	29	9.09%	1.154 332	Wdr26
16993	2066	43	30.69%	5.8448 56	34	28.56%	4.626 693	Lta4h
94040	11962	42	15.21%	0.9860 1	39	13.18%	0.916 606	Clmn

gi 149251749 ref XR_032583.1	1812	42	36.81%	6.5091 88	27	33.72%	4.189 167	-
78506	3268	42	43.76%	3.6091 34	27	28.24%	2.322 757	Efha2
66662	2355	42	10.87%	5.0083 43	50	7.43%	5.968 995	5730577 I03Rik
gi 118200357 ref NM_153163.3	4783	42	31.19%	2.4659 52	38	28.73%	2.233 6	-
408068	4523	42	32.61%	2.6077 05	28	24.39%	1.740 418	Zfp738
319765	3902	42	35.73%	3.0227 19	19	17.58%	1.368 953	Igf2bp2
13852	2937	42	32.62%	4.0158 83	21	23.26%	2.010 192	Stx2
76265	1972	42	69.32%	5.9810 59	24	45.39%	3.421 578	Tsen54
213484	3716	42	27.05%	3.1740 17	19	15.42%	1.437 474	Nudt18
233876	2511	42	49.98%	4.6971 92	21	33.89%	2.351 228	Hirip3
66296	2375	42	48.88%	4.9661 68	28	43.49%	3.314 489	Haus2
66606	1982	42	62.76%	5.9508 82	43	61.50%	6.099 397	Lrrc57
69802	2259	42	52.99%	5.2211 81	23	37.80%	2.862 422	Cox11
103733	1609	42	66.81%	7.3304 22	23	42.14%	4.018 777	Tubg1
208198	3026	42	41.97%	3.8977 69	49	49.17%	4.552 493	Btbd2
69878	869	42	27.27%	13.572 67	36	20.14%	11.64 675	Snrpf
71776	1840	42	55.16%	6.4101 35	40	51.09%	6.111 732	Tha1
106248	2838	42	44.71%	4.1559 72	30	38.76%	2.971 878	Qtrtd1
230657	2409	42	46.33%	4.8960 77	44	48.69%	5.134 971	Tmem69
225995	1631	42	68.36%	7.2315 44	52	68.79%	8.963 374	D030056 L22Rik
320586	2131	42	24.35%	5.5347 95	36	24.87%	4.749 426	A630089 N07Rik
20751	1226	42	76.67%	9.6204 31	35	68.35%	8.026 01	Spr

71508	2500	42	49.24%	4.7178 59	24	26.96%	2.698 941	Zfp935
235610	2572	42	52.99%	4.5857 89	33	43.20%	3.607 157	Atrip
218973	4190	42	32.05%	2.8149 52	33	26.21%	2.214 226	Wdhd1
19365	1698	42	51.83%	6.9462	46	68.79%	7.616 269	Rad52
68559	1229	42	73.39%	9.5969 47	51	83.56%	11.66 65	Pdrg1
18968	5350	42	32.19%	2.2046 07	36	26.39%	1.891 781	Pola1
22032	3016	42	40.98%	3.9106 92	43	37.73%	4.008 291	Traf4
209032	6538	42	28.02%	1.8040 15	39	24.35%	1.677 034	Zc3hav11
77034	2731	42	14.54%	4.3188 02	30	13.29%	3.088 316	2510039 O18Rik
67661	5440	42	30.57%	2.1681 34	25	18.36%	1.292 002	Ift172
207952	3385	42	41.80%	3.4843 87	44	43.99%	3.654 4	Klhl25
17035	1092	42	81.41%	10.800 96	29	72.07%	7.466 163	Lxn
67789	1737	42	61.26%	6.7902 41	35	48.30%	5.664 875	Dalrd3
83433	1128	42	69.50%	10.456 25	78	81.12%	19.44 051	Trem2
320394	1767	42	65.65%	6.6749 57	27	57.61%	4.295 852	Cenpt
244219	3451	42	34.08%	3.4177 48	32	33.12%	2.606 917	Zfp668
69577	2362	42	51.74%	4.9935 01	40	52.41%	4.761 044	Fastkd3
68927	1675	42	76.78%	7.0415 81	30	51.94%	5.035 337	Ptcd2
56807	3307	42	42%	3.5665 7	20	22.83%	1.700 27	Scamp5
232811	2240	42	56.07%	5.2654 68	28	44.51%	3.514 246	Suv420h 2
104776	3346	42	37.12%	3.525	30	34.16%	2.520 678	Aldh6a1
gi 149254468 ref X M_001479832.1	2162	42	4.26%	5.4554 34	29	4.26%	3.771 069	-

69926	14889	42	11.35%	0.7921 72	39	10.89%	0.736 413	Dnahc17
231670	3909	42	33.72%	3.0173 06	32	28.70%	2.301 476	Fbxo21
27369	1110	42	75.95%	10.625 81	32	56.67%	8.104 927	Dguok
14979	981	42	83.89%	12.023 09	42	75.43%	12.03 656	H2-Ke6
67014	2159	42	49.65%	5.4630 15	22	35.20%	2.864 786	Mina
gi 149272385 ref X M_001477651.1	1048	42	4.87%	11.254 44	59	4.87%	15.82 752	-
gi 149262212 ref X M_001480237.1	2451	42	32.27%	4.8121 78	43	31.70%	4.932 275	-
74648	1546	42	68.63%	7.6291 39	21	50.97%	3.818 844	S100pbp
109785	4582	42	29.07%	2.5741 27	20	19.45%	1.227 148	Pgm3
66258	1196	42	60.79%	9.8617 46	39	65.30%	9.167 598	Mrps17
14201	1685	42	54.48%	6.9997 91	46	58.40%	7.675 029	Fhl3
68038	4239	42	30.50%	2.7824 13	40	28.54%	2.652 887	Chid1
20425	2074	42	52.70%	5.6869 09	20	32.40%	2.711 086	Shmt1
74104	2946	42	50.48%	4.0036 15	26	32.86%	2.481 205	Abcb6
13518	23319	42	7.74%	0.5057 96	12	2.50%	0.144 675	Dst
433759	1971	42	24.86%	5.9840 94	38	25.47%	5.420 247	Hdac1
242474	6895	42	23.90%	1.7106 09	21	12.88%	0.856 263	Tmem24 5
67809	2252	42	51.07%	5.2374 1	53	63.63%	6.616 52	Fam82a2
gi 142367401 ref N M_029581.3	1967	42	56.28%	5.9962 63	30	41.08%	4.287 844	-
75678	2776	42	52.27%	4.2487 93	37	49.10%	3.747 178	Ippk
12703	1220	41	66.80%	9.4375 6	52	68.77%	11.98 3	Socs1
97130	5187	41	30.98%	2.2197 46	13	10.89%	0.704 611	C77080

101187	3724	41	42.72%	3.0917 89	20	23.17%	1.509 88	Parp11
77974	1674	41	53.23%	6.8780 31	26	51.14%	4.366 566	Rdh12
68999	2802	41	28.34%	4.1091 45	34	21.77%	3.411 402	Anapc10
232430	2536	41	43.53%	4.5401 51	20	28.19%	2.217 19	Crebl2
52892	4280	41	29.46%	2.6901 46	44	32.92%	2.890 221	Sco1
18483	2651	41	53.72%	4.3432	49	55.49%	5.196 471	Palm
16912	806	41	96.28%	14.285 14	45	92.68%	15.69 638	Psmb9
100756	2790	41	43.26%	4.1268 18	25	31.72%	2.519 173	Usp30
231872	1210	41	68.60%	9.5155 57	36	80.58%	8.364 486	Aimp2
223922	2867	41	36.45%	4.0159 83	25	30.03%	2.451 514	Atf7
52245	2961	41	30.23%	3.8884 92	32	23.91%	3.038 321	Comm2
20520	3119	41	38.38%	3.6915 11	35	31.26%	3.154 821	Slc22a5
1E+08	2603	41	27.55%	4.4232 9	22	19.82%	2.376 132	Gm4354
211305	1485	41	62.02%	7.7534 16	28	51.38%	5.300 95	Fbxw13
233276	3681	41	37.49%	3.1279 06	23	22.79%	1.756 646	Tubgcp5
72076	883	41	84.03%	13.039 44	43	68.06%	13.69 083	Mospd4
233987	2361	41	45.32%	4.8766 72	14	21.90%	1.667 071	Zfp958
17876	2999	41	22.71%	3.8392 21	16	14.97%	1.499 911	Myef2
66421	975	41	77.33%	11.809 05	41	76.92%	11.82 228	2410004 B18Rik
13684	2882	41	8.12%	3.9950 81	44	7.91%	4.292 209	Eif4e
68067	1168	41	65.15%	9.8577 26	29	51.54%	6.980 351	3010026 O09Rik
76167	1133	41	65.93%	10.162 24	50	88.44%	12.40 687	Snrnp35

230996	2660	41	52.93%	4.3285 05	22	30.79%	2.325 215	9430015 G10Rik
28040	2238	41	44.86%	5.1446 93	29	44.15%	3.643 007	D6Wsu1 63e
71883	1712	41	58.94%	6.7253 64	35	52.04%	5.747 598	Coq2
14794	1179	41	66.33%	9.7657 54	26	53.69%	6.199 857	Spsb2
13177	1091	41	77.82%	10.553 46	39	67.92%	10.04 991	Eci1
gi 120587004 ref N M_021398.2	2591	41	55.89%	4.4437 76	27	35.35%	2.929 668	-
246257	2642	41	43.34%	4.3579 95	34	41.37%	3.617 997	Ovca2
12765	3043	41	15.22%	3.7837 08	30	14.03%	2.771 669	Cxcr2
22666	3602	41	37.45%	3.1965 08	23	25.04%	1.795 173	Zfp161
16865	2122	41	43.73%	5.4259 3	34	46.32%	4.504 594	Eif2d
72061	3509	41	27.99%	3.2812 26	31	24.28%	2.483 707	2010111 I01Rik
245828	745	41	91.41%	15.454 8	33	74.90%	12.45 317	Trappc1
380993	4468	41	33.28%	2.5769 52	47	33.33%	2.957 378	Zfat
67270	666	41	70.12%	17.288 02	54	78.23%	22.79 511	Mrpl42
56032	1473	41	61.30%	7.8165 81	38	60.96%	7.252 754	Nprl2
72008	1941	41	53.12%	5.9319 03	29	42.71%	4.200 438	Zfyve19
69225	1382	41	63.46%	8.3312 76	50	72.87%	10.17 148	Carkd
67282	1048	41	72.33%	10.986 47	44	64.22%	11.80 357	Ccdc53
270802	3134	41	46.39%	3.6738 43	37	47.93%	3.319 134	BC0484 03
51797	2726	41	49.45%	4.2237 06	26	37.45%	2.681 449	Ctps
235028	3557	41	36.49%	3.2369 48	43	37.48%	3.398 652	Zfp426
18577	4658	41	28.15%	2.4718 38	15	13.89%	0.905 345	Pde4a

21855	1641	41	36.01%	7.0163 46	34	53.32%	5.824 953	Timm17 b
75216	4826	41	31.79%	2.3857 9	48	37.32%	2.796 25	Cep128
215474	5801	41	26.56%	1.9848	39	27.08%	1.890 096	Sec22c
105083	1588	41	64.67%	7.2505 19	58	74.06%	10.26 833	Pelo
66359	448	41	76.12%	25.700 5	50	84.15%	31.37 719	Fam36a
12890	4925	41	31.05%	2.3378 32	46	33.64%	2.625 873	Cplx2
20527	3973	41	33.78%	2.8980 17	21	20.82%	1.486 014	Slc2a3
234728	3577	41	40.03%	3.2188 49	29	29.75%	2.279 298	Ftsjd1
23918	1632	41	16.97%	7.0550 39	53	17.03%	9.130 148	Impdh2
27029	4324	41	34.67%	2.6627 71	33	29.42%	2.145 608	Sgsh
320799	4499	41	35.16%	2.5591 96	40	34.76%	2.499 575	Zhx3
68964	4183	41	34.64%	2.7525 28	32	28.40%	2.150 722	Ctcl
72368	622	41	85.05%	18.510 97	43	83.76%	19.43 57	2310045 N01Rik
27368	4407	41	33.97%	2.6126 22	21	19.33%	1.339 672	Tbl2
236573	3633	40	38.59%	3.0919 35	42	40.90%	3.250 169	Gbp9
233056	4525	40	34.72%	2.4824 31	45	33.72%	2.795 864	Zfp790
21857	905	40	76.24%	12.412 15	33	73.26%	10.25 15	Timp1
gi 149274485 ref X M_001472725.1	428	40	92.06%	26.245 32	22	79.44%	14.45 11	-
317757	1943	40	65.47%	5.7812 65	19	32.89%	2.749 178	Gimap5
70789	2733	40	43.69%	4.1101 35	14	16.79%	1.440 159	Kynu
13864	2218	40	48.33%	5.0644 72	38	45%	4.816 64	Nr2f6
664925	2064	40	26.41%	5.4423 44	45	20.35%	6.129 498	Gm7409

gi 76253920 ref N M_139141.3	8796	40	20.84%	1.2770 58	17	8.27%	0.543 358	-
100929	4698	40	10.54%	2.3910 17	31	7.90%	1.855 115	Tyw1
320100	2817	40	47.71%	3.9875 75	41	44.91%	4.091 845	Relt
50933	947	40	65.26%	11.861 67	34	48.47%	10.09 372	Uchl3
217734	5059	40	29.81%	2.2203 99	38	27.16%	2.111 743	Pomt2
219022	2403	40	32.08%	4.6745 73	19	11.99%	2.222 91	Ttc5
70564	1537	40	70.40%	7.3083 92	26	50.55%	4.755 778	5730469 M10Rik
382051	3514	40	44.74%	3.1966 42	32	34.95%	2.560 179	Pdp2
22247	3219	40	45.32%	3.4895 93	30	31.28%	2.620 127	Umps
60455	3480	40	37.87%	3.2278 73	17	20.46%	1.373 383	Tmem8
78323	3055	40	42%	3.6769 23	17	23.14%	1.564 443	2310046 O06Rik
72667	4331	40	27.41%	2.5936 27	27	18.38%	1.752 66	Zfp444
243725	9547	40	17.31%	1.1766	58	23.57%	1.707 982	Ppp1r9a
30794	1189	40	71.40%	9.4474 34	27	69.39%	6.384 164	Pdlim4
106947	3479	40	41.99%	3.2288 01	34	36.71%	2.747 556	Slc39a3
69674	1671	40	29.92%	6.7223 21	17	25.13%	2.860 188	Mif4gd
gi 124430753 ref N M_029441.2	2468	40	45.46%	4.5514 58	20	29.09%	2.278 279	-
20845	4007	40	34.36%	2.8033 44	33	34.74%	2.315 35	Star
56367	1931	40	42.57%	5.8171 92	54	58.93%	7.862 01	Scoc
gi 40254198 ref N M_153091.2	1974	40	58.41%	5.6904 75	30	48.89%	4.272 639	-
104923	1676	40	48.63%	6.7022 66	52	49.70%	8.722 71	Adi1
18041	2053	40	50.46%	5.4715 04	34	51.78%	4.655 99	Nfs1

68533	1054	40	77.51%	10.657 49	40	72.39%	10.66 944	Mphosph 6
56316	2899	40	39.84%	3.8747 84	46	42.60%	4.460 995	Ggcx
72429	1827	40	59.66%	6.1483 3	28	47.13%	4.308 654	Dnajc25
67429	3447	40	44.42%	3.2587 75	27	29.13%	2.202 138	Nuded1
68611	1080	40	72.78%	10.400 92	33	71.67%	8.590 379	Mrpl28
18074	4913	40	31.12%	2.2863 83	28	21.49%	1.602 261	Nid2
319518	2904	40	46.25%	3.8681 12	16	20.56%	1.548 979	Pdpr
16774	10343	40	16.25%	1.0860 48	119	33.57%	3.234 615	Lama3
223774	2131	40	54.20%	5.2712 33	29	40.73%	3.825 927	Alg12
76899	4421	40	28.27%	2.5408 28	20	21.04%	1.271 837	Golga1
67238	2348	40	46.59%	4.7840 71	28	35.52%	3.352 602	2810453 I06Rik
110197	5521	40	26.25%	2.0345 95	68	39.29%	3.462 687	Dgkg
71839	1982	40	60.39%	5.6675 07	53	65.64%	7.517 862	Osgin1
246221	1426	40	60.52%	7.8772 78	48	69.14%	9.463 327	Mpst
66839	2407	40	58.79%	4.6668 05	37	46.53%	4.321 632	0610009 O20Rik
19258	4707	40	30.49%	2.3864 45	15	13.28%	0.895 92	Ptpn4
18117	4933	40	29.33%	2.2771 13	44	29.68%	2.507 631	Emc8
gi 146198566 ref NM_001033257.3	2606	40	53.65%	4.3104 37	33	41.98%	3.560 095	-
210035	6001	40	24.85%	1.8718 54	17	10.66%	0.796 43	Tmem19 4
73132	3141	40	41.39%	3.5762 49	34	33.81%	3.043 218	Slc25a16
216864	1550	40	64.52%	7.2470 96	24	52.32%	4.353 13	Mgl2
234413	2718	40	46.54%	4.1328 18	22	28.15%	2.275 597	Zfp961

223776	2360	40	42.29%	4.7597 45	21	26.31%	2.501 666	1300018 J18Rik
217882	6640	40	24.52%	1.6917 17	10	6.22%	0.423 403	AW5554 64
17168	2316	40	57.47%	4.8501 72	23	35.45%	2.791 974	Npri3
21340	2019	40	62.41%	5.5636 45	28	48.74%	3.898 916	Taf1b
21335	2637	40	42.40%	4.2597 64	45	48.12%	4.797 605	Tacc3
68263	1485	40	18.11%	7.5643 09	33	16.90%	6.247 548	Pdhb
73062	2675	40	45.38%	4.1992 52	26	37.83%	2.732 572	Ppp1r16 a
13555	2460	40	46.71%	4.5662 6	27	35%	3.085 679	E2f1
gi 34328472 ref N M_021312.4	2917	40	35.34%	3.8508 74	27	33.97%	2.602 253	-
170770	1976	40	55.97%	5.6847 16	33	47.32%	4.695 146	Bbc3
75695	2281	39	53.66%	4.8014 79	24	39.11%	2.958 067	Rilp11
52838	2940	39	44.05%	3.7252 29	31	34.42%	2.964 398	Dnlz
gi 256355089 ref N R_015465.1	4518	39	32.32%	2.4241 2	37	31.81%	2.302 383	-
13528	2453	39	43.95%	4.4648 08	19	29.39%	2.177 6	Dtnb
320910	3096	39	39.73%	3.5375 24	8	12.66%	0.726 459	Itgb8
74165	3935	39	37.28%	2.7832 72	38	36.06%	2.714 945	Fbxl22
66591	1288	39	71.74%	8.5032 4	40	71.66%	8.731 045	Mad211b p
53893	1590	39	63.21%	6.8881 59	44	68.81%	7.779 965	Nudt5
71854	1681	39	64.43%	6.5152 73	30	46.82%	5.017 365	Dpep3
268933	3099	39	43.43%	3.5340 99	21	28.01%	1.905 109	Wdr24
268297	4745	39	30.90%	2.3081 5	18	15.57%	1.066 494	Scml4
75660	998	39	77.56%	10.974 12	32	70.04%	9.014 498	Lin37

gi 118130402 ref N M_028029.2	4887	39	32.23%	2.2410 83	26	21.28%	1.495 73	-
227154	2338	39	48.89%	4.6844 2	34	49.02%	4.088 43	Stradb
70549	12150	39	14.01%	0.9014 13	125	37.35%	2.892 383	Tln2
209462	3785	39	40.29%	2.8935 73	32	32.34%	2.376 874	Hace1
66308	2672	39	38.85%	4.0988 67	27	24.48%	2.840 857	2810021 B07Rik
66596	1315	39	65.48%	8.3286 49	29	49.20%	6.200 038	Gtf3a
66254	2545	39	48.57%	4.3034 08	27	37.09%	2.982 621	Dimt1
71481	4795	39	32.60%	2.2840 82	76	48.32%	4.456 02	Alpk1
72886	1324	39	70.77%	8.2720 34	36	85.05%	7.644 281	Ccdc94
319845	3438	39	38.51%	3.1856 23	19	23.59%	1.553 71	Bbs9
214968	6527	39	23.92%	1.6779 8	36	17.71%	1.550 64	Sema6d
259277	1322	39	47.28%	8.2845 49	21	39.33%	4.465 91	Klk8
16145	2064	39	48.89%	5.3062 86	43	66.28%	5.857 076	Igtp
gi 38142473 ref N M_198301.1	1660	39	70.12%	6.5976 95	31	57.95%	5.250 198	-
gi 118130222 ref N M_011056.2	2554	39	44.44%	4.2882 43	17	29.37%	1.871 329	-
21983	3618	39	38.20%	3.0271 35	84	50.11%	6.527 289	Tpbg
74467	3590	39	37.83%	3.0507 45	26	27.35%	2.036 109	Pus10
101631	2640	39	47.84%	4.1485 51	52	63.41%	5.537 599	Pwwp2b
230734	1558	39	36.65%	7.0296 36	37	36.39%	6.676 616	Yrdc
14366	3685	39	38.67%	2.9720 96	22	25.26%	1.678 446	Fzd4
240328	3297	39	40.10%	3.3218 6	38	30.60%	3.240 312	F830016 B08Rik
238393	2254	39	46.41%	4.8589 94	33	48.18%	4.116 064	Serpina3 f

67288	1715	39	61.46%	6.3861 07	27	43.27%	4.426 105	Srek1ip1
18007	7388	39	19.98%	1.4824 27	30	17.70%	1.141 607	Neo1
58203	1988	39	49.95%	5.5091 42	71	58.15%	10.04 07	Zbp1
218989	5218	39	31.18%	2.0989 22	41	30.80%	2.209 031	6720456 H20Rik
80283	1896	39	53.69%	5.7764 63	32	51.64%	4.744 973	Abtb1
209224	3106	39	45.91%	3.5261 34	47	49%	4.254 206	Enox2
67005	2925	39	40.38%	3.7443 33	37	39.76%	3.556 297	Polr3k
75212	1502	39	65.98%	7.2917 27	17	37.95%	3.182 007	Rnf121
171170	8671	39	17.63%	1.2630 81	18	9.27%	0.583 614	Mbnl3
71885	3175	39	43.40%	3.4495 03	43	44.82%	3.807 561	2310003 H01Rik
21933	3197	39	17.83%	3.4257 66	32	8.88%	2.814 035	Tnfrsf10 b
64453	4874	39	30.94%	2.2470 61	20	17.56%	1.153 63	Zfp280b
gi 195963388 ref NR_024067.1	408	39	81.13%	26.843 56	60	79.17%	41.34 407	-
68799	2633	39	46.52%	4.1595 8	27	37.14%	2.882 936	Rgmb
11958	356	39	66.01%	30.764 53	54	89.89%	42.64 478	Atp5k
66592	1565	39	51.50%	6.9981 94	31	53.67%	5.568 901	Stoml2
74577	3451	39	32.02%	3.1736 23	38	42.02%	3.095 713	Gib11
240614	4867	39	33.06%	2.2502 92	25	22.25%	1.444 112	Ranbp6
208117	4558	39	28.92%	2.4028 46	82	46.51%	5.057 8	Aph1b
69051	1615	39	68.67%	6.7815 32	22	44.83%	3.829 766	Pycr2
67695	590	39	51.69%	18.563 01	68	60.34%	32.40 254	Ost4
64655	1230	39	67.72%	8.9042 06	40	69.51%	9.142 753	Mrps22

106264	1471	39	55.95%	7.4453 93	28	54.59%	5.351 401	0610012 G03Rik
330959	781	39	77.34%	14.023 27	49	76.95%	17.63 872	Snapc5
73419	2318	39	52.63%	4.7248 38	39	50.86%	4.730 132	1700052 N19Rik
67980	1867	39	57.26%	5.8661 88	34	57.74%	5.119 844	Gnpda2
69568	1113	39	66.13%	9.8402 28	40	71.07%	10.10 385	Vkorc111
380732	1320	39	68.79%	8.2971 01	73	84.70%	15.54 788	Gm885
57312	1536	39	59.51%	7.1303 21	23	52.86%	4.209 774	Mrps31
69895	785	39	65.10%	13.951 81	42	73.76%	15.04 187	Snhg8
gi 141802995 ref N M_026553.3	1455	39	54.43%	7.5272 67	56	68.87%	10.82 05	-
70791	3075	39	38.08%	3.5616 82	24	34.15%	2.194 261	Hars2
17829	2235	39	54.23%	4.9003 01	35	57.72%	4.402 635	Muc1
68925	4822	39	29.97%	2.2712 93	29	23.35%	1.690 803	Rpap1
230917	4620	39	24.46%	2.3706	34	23.64%	2.068 993	Tmem20 1
117197	1306	38	64.09%	8.1710 17	39	61.33%	8.395 442	Bloc1s4
107173	1845	38	54.47%	5.7839 29	35	50.08%	5.333 273	Gpr137
67468	2780	38	14.71%	3.8386 15	34	16.19%	3.438 399	Mmd
19650	4909	38	24.85%	2.1738 33	20	16.09%	1.145 405	Rbl1
66836	748	38	73.13%	14.266 51	21	62.03%	7.892 958	Tmem22 3
218885	2062	38	51.89%	5.1752 42	25	43.31%	3.408 58	Oxnad1
72170	1245	38	60.56%	8.5713 64	30	67.63%	6.774 45	Chchd4
67223	1228	38	58.88%	8.6900 23	34	65.96%	7.783 997	Rrp15
101437	2962	38	45.17%	3.6027 51	27	32.75%	2.562 718	Dhx32

214572	2269	38	55.97%	4.7031 06	29	37.77%	3.593 235	Prmt7
12530	3643	38	37.41%	2.9292 75	27	32.88%	2.083 659	Cdc25a
gi 194018619 ref NM_027709.1	1521	38	61.14%	7.0160 08	44	63.31%	8.132 903	-
71474	3491	38	40.99%	3.0568 17	23	27.96%	1.852 252	Ppp6r2
76857	2858	38	36.63%	3.7338 52	29	37.44%	2.852 712	Spopl
224836	5598	38	24.47%	1.9062 79	25	17.56%	1.255 536	Usp49
66889	2764	38	49.20%	3.8608 35	39	45.04%	3.966 877	Rnf128
382985	4532	38	31.53%	2.3546 67	34	27.43%	2.109 168	Rrm2b
66403	2192	38	36.63%	4.8683 16	35	42.70%	4.489	Asf1a
227334	5049	38	27.41%	2.1135 57	18	16.10%	1.002 28	Usp40
66538	830	38	87.59%	12.857 05	44	91.08%	14.90 379	Rps19bp 1
57869	3539	38	36.48%	3.0153 57	27	28.54%	2.144 891	Adck2
67464	3084	38	19.71%	3.4602 3	24	18.32%	2.187 857	Entpd4
69804	868	38	80.53%	12.294 18	43	79.61%	13.92 743	Tmem14 7
66690	2878	38	46.04%	3.7079 04	27	33.08%	2.637 516	Tmem18 6
14077	669	38	47.83%	15.951 19	48	49.33%	20.17 146	Fabp3
75747	2158	38	56.58%	4.9450 18	22	32.90%	2.866 113	Sesn3
57258	3456	38	41.41%	3.0877 74	24	25.95%	1.952 359	Xpo4
52443	968	38	63.74%	11.024 12	50	69.63%	14.52 168	Mrpl48
69010	430	38	82.09%	24.817 09	58	86.74%	37.92 116	Anapc13
66861	4054	38	10.09%	2.6323 01	37	11.40%	2.565 902	Dnajc10
17846	818	38	74.08%	13.045 66	42	76.53%	14.43 504	Comm1

54351	1447	38	19.14%	7.3748 09	29	19.70%	5.634 451	Elp5
14356	1013	38	69.99%	10.534 4	30	49.75%	8.325 952	Fxc1
110809	5262	38	17.65%	2.0280 02	31	14.33%	1.656 277	Srsf1
79464	1668	38	64.81%	6.3976 91	29	53.90%	4.887 92	Lias
211586	7384	38	18.88%	1.4451 99	29	15.32%	1.104 151	Tfdp2
71718	3531	38	37.75%	3.0221 89	27	28.32%	2.149 751	Telo2
16891	3787	38	36.92%	2.8178 9	74	57.20%	5.493 619	Lipg
71755	2738	38	45.36%	3.8974 98	46	48.28%	4.723 311	Dhdh
gi 94400611 ref X M_001003509.1	3991	38	21.20%	2.6738 53	10	11.70%	0.704 434	-
22196	3227	38	27.67%	3.3068 95	37	21.60%	3.223 479	Ube2i
66358	1492	38	66.29%	7.1523 78	27	50%	5.087 648	Adprm
74596	3939	38	32.34%	2.7091 52	36	34.30%	2.569 441	Cds1
56369	924	38	79.65%	11.549 08	44	82.58%	13.38 76	Apip
226695	1613	38	24.92%	6.6158 39	133	27.96%	23.18 139	Ifi205
67222	1463	38	36.16%	7.2941 55	33	33.90%	6.341 496	Srfbp1
338354	5511	38	25.22%	1.9363 72	22	15.33%	1.122 314	Zfp780b
56349	3465	38	31.83%	3.0797 54	34	26.41%	2.758 658	Net1
70101	2192	38	51.69%	4.8683 16	27	38.41%	3.462 943	Cyp4f16
19679	6643	38	21.06%	1.6064 05	32	18.11%	1.354 278	Pitpnm2
18582	1109	38	68.98%	9.6224 96	36	77.64%	9.126 265	Pde6d
12428	2827	38	38.34%	3.7747 96	20	25.01%	1.988 961	Ccna2
208624	1425	38	58.46%	7.4886 66	31	49.96%	6.116 021	Alg3

215387	2702	38	46.89%	3.9494 26	22	28.31%	2.289 072	Ncaph
114615	4971	38	28.16%	2.1467 21	29	25.05%	1.640 123	Elac1
57837	2055	38	52.21%	5.1928 7	36	52.99%	4.925 074	Eral1
gi 18485509 ref N M_130454.1	3418	38	37.95%	3.1221 03	18	24.11%	1.480 548	-
76491	1490	38	53.83%	7.1619 79	31	53.22%	5.849 214	Abhd14b
218793	1410	38	63.40%	7.5683 32	29	60.21%	5.782 305	Ube2e2
208718	3171	38	45.16%	3.3652 94	37	42.32%	3.280 406	Dis3l2
210789	6641	37	19.79%	1.5646 02	23	14.53%	0.973 681	Tbc1d4
11443	2151	37	46.95%	4.8305 55	21	40.35%	2.744 739	Chrb1
433791	3691	37	29.21%	2.8150 97	39	27.45%	2.970 59	Gm1325 1
99512	4223	37	28.75%	2.4604 6	23	21.88%	1.531 189	Wdr47
269639	3317	37	41.94%	3.1325 06	27	34.49%	2.288 445	Zfp512
15483	1381	37	60.68%	7.5239 13	48	69.66%	9.771 69	Hsd11b1
66433	670	37	75.52%	15.508 24	41	69.70%	17.20 407	Chchd7
66300	1697	37	62.23%	6.1228 78	32	44.84%	5.301 396	Prr24
70807	2346	37	41.69%	4.4290 38	18	29.20%	2.157 082	Arrdc2
66594	436	37	81.42%	23.831 48	44	80.50%	28.37 189	Uqcr11
20930	1195	37	76.23%	8.6949 99	54	79.83%	12.70 422	Surf1
64660	1007	37	54.22%	10.318 3	32	55.01%	8.933 932	Mrps24
75084	2806	37	18.10%	3.7029 66	52	15.11%	5.210 001	4930511 M06Rik
74610	2962	37	40.58%	3.5079 42	37	34.77%	3.511 873	Abcb8
67681	959	37	65.59%	10.834 75	39	73.62%	11.43 321	Mrpl18

20480	4492	37	29.43%	2.3131 17	31	24.55%	1.940 189	Clpb
67463	3033	37	42.24%	3.4258 24	18	22.49%	1.668 485	Poc5
74318	1265	37	49.49%	8.2138 53	31	44.51%	6.889 589	Hopx
231571	2742	37	31%	3.7893 96	29	28.30%	2.973 395	Rpap2
56017	2083	37	48.97%	4.9882 49	49	62.55%	6.613 463	Slc2a8
70152	1883	37	50.88%	5.5180 69	39	42.01%	5.822 861	Mettl7a1
50927	3087	37	13.93%	3.3658 97	41	14.93%	3.733 957	Nasp
666680	2000	37	9%	5.1952 62	33	10.40%	4.638 804	Gm8234
68017	1443	37	65.49%	7.2006 4	91	86.83%	17.72 953	Ftsj2
56401	3210	37	43.86%	3.2369 23	31	31.62%	2.715 056	Lepre1
233189	2476	37	38.21%	4.1964 96	35	42.65%	3.974 107	Ctu1
12517	1503	37	49.50%	6.9131 89	15	32.27%	2.805 785	Cd72
226098	4774	37	30.58%	2.1764 82	21	15.44%	1.236 685	Hectd2
66271	766	37	79.90%	13.564 65	35	76.63%	12.84 581	Tmem12 6a
233115	7671	37	20.30%	1.3545 2	26	13.35%	0.952 892	Dpy19l3
52840	3706	37	28.09%	2.8037 03	37	25.55%	2.806 845	Dbnidd2
77604	3457	37	23.78%	3.0056 48	23	19.12%	1.870 469	Rbm12b 2
67371	1020	37	79.51%	10.186 79	33	67.25%	9.095 695	Gtf3c6
54122	4607	37	30%	2.2553 77	30	24.22%	1.830 734	Uevld
20135	2199	37	50.75%	4.7251 13	26	39.25%	3.324 071	Rrm2
gi 114158673 ref NM_025881.2	1690	37	26.15%	6.1482 39	26	24.32%	4.325 226	-
56322	2813	37	43.58%	3.6937 52	29	31.64%	2.898 347	Timm22

68024	728	37	41.76%	14.272 7	28	44.09%	10.81 306	Hist1h2b c
110784	4087	37	31.88%	2.5423 35	25	25.45%	1.719 719	Nr3c2
170787	2713	37	46.30%	3.8299 02	27	29.52%	2.797 925	Hdac10
211612	6489	37	2.31%	1.6012 52	101	0.82%	4.375 883	Ptchd1
22232	2426	37	44.39%	4.2829 86	46	51.40%	5.330 76	Slc35a2
gi 31982734 ref NM_013781.2	3080	37	40.94%	3.3735 47	10	15.23%	0.912 791	-
69305	1194	37	75.38%	8.7022 81	41	70.94%	9.653 874	Dcps
634731	3295	37	36.57%	3.1534 21	40	34.72%	3.412 925	Susd1
235472	8764	37	18.90%	1.1855 91	28	14.97%	0.898 21	Prtg
60315	1480	37	70%	7.0206 24	28	57.97%	5.318 858	Myg1
17904	656	37	16.31%	15.839 21	49	16.92%	20.99 976	Myl6
109075	1789	37	58.86%	5.8080 06	16	38.74%	2.514 385	Exosc4
51875	1070	37	62.34%	9.7107 7	51	70.37%	13.40 011	Tmem14 1
1E+08	3827	37	8.20%	2.7150 57	36	7.92%	2.644 638	Gm4671
215351	4938	37	9.68%	2.1041 97	22	5.53%	1.252 546	Senp6
12449	3099	37	40.76%	3.3528 63	48	47.98%	4.354 535	Ccnf
12234	6358	37	18.26%	1.6342 44	23	14.30%	1.017 02	Btrc
68277	2214	37	45.48%	4.6931	37	49.23%	4.698 359	2310057 M21Rik
24069	2359	37	53.37%	4.4046 31	20	33.40%	2.383 549	Sufu
21349	4161	37	37.08%	2.4971 22	30	27.20%	2.026 962	Tal1
19819	1457	37	59.16%	7.1314 51	24	55.18%	4.630 99	Rnaseh1
71901	2109	37	27.88%	4.9267 54	25	17.73%	3.332 618	2310028 H24Rik

68975	1232	36	71.27%	8.2059 24	36	63.56%	8.215 12	Med27
67292	3301	36	30.32%	3.0626 17	15	16.69%	1.277 52	Pigc
72400	1351	36	69.28%	7.4831 23	32	62.03%	6.659 119	Pinx1
109270	1835	36	55.64%	5.5093 73	16	35.59%	2.451 354	Prr5
50492	2585	36	38.61%	3.9109 09	19	30.83%	2.066 404	Thop1
81003	4258	36	23.53%	2.3742 83	6	6.20%	0.396 157	Trim23
67308	1173	36	53.96%	8.6186 69	30	60.70%	7.190 273	Mrpl46
80284	1037	36	65.09%	9.7489 86	35	61.04%	9.488 802	BC0032 66
239570	3766	36	35.87%	2.6844 66	38	37.47%	2.836 778	Ttc38
66973	1073	36	43.43%	9.4219	24	35.14%	6.288 306	Mrps18b
14923	1098	36	74.32%	9.2073 76	21	46.63%	5.376 988	Guk1
18100	1055	36	56.59%	9.5826 53	24	51.75%	6.395 594	Mrpl40
69581	3367	36	39.20%	3.0025 84	19	21.77%	1.586 473	Rhou
230379	4204	36	25.55%	2.4047 81	37	34.82%	2.474 35	Acer2
13874	4136	36	32.37%	2.4443 18	130	60.15%	8.836 595	Ereg
11782	1113	36	67.39%	9.0832 87	29	64.42%	7.325 292	Ap4s1
68521	3077	36	36.76%	3.2855 7	16	20.73%	1.461 89	Fam189b
75731	1511	36	59.76%	6.6907 34	21	39.97%	3.907 302	Idnk
207785	4126	36	32.33%	2.4502 42	33	31.82%	2.248 572	Csrnp2
226525	10046	36	13.53%	1.0063 41	28	12.45%	0.783 587	Rasal2
105988	6630	36	20.30%	1.5248 41	37	19.92%	1.568 954	Espl1
1E+08	9807	36	14.37%	1.0308 66	11	5.50%	0.315 34	Zfp831

1E+08	3389	36	14.61%	2.9830 92	21	10.48%	1.742 087	Gm1084 5
110959	1927	36	49.30%	5.2463 41	24	42.40%	3.501 48	Nudt19
94065	663	36	82.20%	15.248 41	34	81.90%	14.41 742	Mrpl34
216363	2690	36	33.31%	3.7582 52	34	37.66%	3.553 438	Rab3ip
22717	3815	36	35.18%	2.6499 87	8	9.65%	0.589 546	Zfp59
54137	1913	36	41.04%	5.2847 35	39	36.49%	5.731 546	Acrbp
225651	2007	36	43.85%	5.0372 19	12	22.57%	1.680 955	Mppe1
170767	2185	36	48.74%	4.6268 64	25	33.59%	3.216 701	Rfxap
17299	887	36	70.24%	11.397 63	25	68.55%	7.923 891	Mettl1
gi 149241029 ref X M_001479454.1	685	36	26.13%	14.758 68	44	23.21%	18.05 861	-
69662	1252	36	62.46%	8.0748 39	27	54.07%	6.062 916	2310061 I04Rik
20503	2422	36	42.07%	4.1741 12	42	54.91%	4.875 254	Slc16a7
20170	2696	36	38.32%	3.7498 88	35	45.36%	3.649 81	Hps6
20021	1580	36	24.81%	6.3985 43	25	21.77%	4.448 412	Polr2c
218311	2712	36	41.45%	3.7277 65	26	37.17%	2.695 292	Zfp455
212862	3239	36	29.18%	3.1212 41	47	45.08%	4.079 52	Chpt1
66071	1497	36	42.42%	6.7533 06	38	50.57%	7.136 478	Ethe1
21941	1575	36	67.75%	6.4188 56	6	15.56%	1.071 008	Tnfrsf8
214489	3046	36	36.38%	3.3190 08	29	33.81%	2.676 642	BC0039 65
65967	2679	36	39.75%	3.7736 84	44	49.76%	4.617 449	Eefsec
66167	637	36	43.96%	15.870 8	46	52.28%	20.30 208	Tma7
234378	3069	36	33.30%	3.2941 34	21	22.94%	1.923 732	Klhl26

107733	2423	36	26.62%	4.1723 89	29	26.25%	3.364 858	Mrpl41
18045	2552	36	44.40%	3.9614 81	49	50.43%	5.398 058	Nfyb
101100	3125	36	35.14%	3.2351 04	24	26.88%	2.159 153	Ttl3
12068	1492	36	61.73%	6.7759 37	32	58.24%	6.029 805	Bet1
14872	1370	36	52.77%	7.3793 42	23	35.55%	4.719 863	Gstt2
71684	2072	36	59.07%	4.8791 98	21	40.93%	2.849 388	Rbm43
59038	1468	36	62.81%	6.8867 16	26	51.02%	4.979 313	Pxmp4
56357	2067	36	53.41%	4.8910 01	25	44.22%	3.400 335	Ivd
gi 149253671 ref X M_001474515.1	2462	36	12.59%	4.1062 95	25	11.54%	2.854 789	-
217708	2144	36	51.49%	4.7153 45	15	23.93%	1.966 929	Lin52
16593	2504	36	19.41%	4.0374 2	24	18.57%	2.694 629	Klc1
233802	2668	36	17.92%	3.7892 42	28	16.42%	2.950 491	Thumpd 1
gi 149260537 ref X M_001472222.1	945	36	61.48%	10.698 09	58	89.31%	17.25 513	-
626848	3345	36	32.62%	3.0223 31	15	10.58%	1.260 716	Etohi1
231002	2210	36	47.10%	4.5745 24	40	51.31%	5.088 501	Plekhn1
66369	1860	36	58.55%	5.4353 22	21	34.09%	3.174 157	Dus2l
433586	6514	36	23.35%	1.5519 95	56	31.19%	2.416 921	Maml3
66148	671	36	75.86%	15.066 61	35	77.79%	14.66 451	Dnajc15
16551	4850	35	25.98%	2.0265 72	38	30.25%	2.202 744	Kif11
gi 149249600 ref X R_034660.1	1843	35	26.53%	5.3330 84	40	24.85%	6.101 783	-
gi 118130216 ref N M_146120.3	2593	35	45.01%	3.7905 41	8	13.46%	0.867 38	-
56436	1429	35	24.14%	6.8781 48	32	23.65%	6.295 64	Adrm1

19173	871	35	45.81%	11.284 59	24	37.89%	7.746 673	Psmb5
gi 118130166 ref N M_031196.2	2295	35	54.68%	4.2827 34	22	36.99%	2.695 021	-
103737	2726	35	43.58%	3.6056 03	19	27.22%	1.959 521	Pex12
gi 118130718 ref N M_183167.3	1822	35	60.92%	5.3945 52	15	34.63%	2.314 542	-
230126	2762	35	37.26%	3.5586 07	34	30.63%	3.460 807	Shb
68190	1815	35	64.24%	5.4153 57	12	27.05%	1.858 775	5330426 P16Rik
67966	1257	35	65.16%	7.8193 11	30	65.31%	6.709 777	Zcchc10
67604	2106	35	33.19%	4.6670 82	30	37.84%	4.004 838	Get4
239556	9833	35	13.51%	0.9995 8	12	5.50%	0.343 097	Cacna1i
69076	1049	35	61.01%	9.3697 56	35	67.87%	9.380 256	Triap1
211550	2164	35	30.78%	4.5419 93	34	28.93%	4.417 167	Tifa
66684	2358	35	10.86%	4.1683 09	27	17.01%	3.219 156	Tceal8
239849	1700	35	52.53%	5.7816 9	18	40.24%	2.976 773	Cd200r4
223773	5403	35	17.51%	1.8191 51	25	15.27%	1.300 85	Zbed4
54364	1172	35	70.14%	8.3864 11	26	58.62%	6.236 887	Rpp30
107934	11558	35	11%	0.8503 96	13	5.09%	0.316 215	Celsr3
71567	3873	35	31.99%	2.5377 93	27	25.87%	1.959 92	Mcm9
66653	1383	35	69.92%	7.1069 22	25	56.25%	5.082 062	Brf2
68634	1003	35	69.09%	9.7994 75	34	77.07%	9.530 158	Tm2d3
228602	4975	35	26.83%	1.9756 53	21	18.77%	1.186 72	4930402 H24Rik
71711	2004	35	55.94%	4.9046 28	14	27.15%	1.964 05	Mus81
66294	1765	35	56.43%	5.5687 67	48	68.44%	7.645 725	Fam3a

101612	1905	35	55.75%	5.1595 14	50	60.26%	7.378 994	Grwd1
67678	631	35	85.74%	15.576 66	26	79.71%	11.58 42	Lsm3
68493	3632	35	29.82%	2.7061 88	33	29.38%	2.554 408	Ndufaf4
67911	4202	35	31.01%	2.3390 94	10	11.14%	0.669 062	Zfp169
11431	3107	35	17.44%	3.1634 61	40	18.73%	3.619 436	Acp1
16434	1264	35	63.05%	7.7760 08	59	89.32%	13.12 282	Itpa
66689	2854	35	43.10%	3.4438 94	20	31.29%	1.970 145	Klh128
212514	4342	35	29.94%	2.2636 74	19	16.65%	1.230 229	Spice1
73754	2267	35	44.20%	4.3356 3	22	29.51%	2.728 307	Thap1
gi 149252707 ref X M_001478657.1	3992	35	18.59%	2.4621 43	37	22.04%	2.605 753	-
232223	2836	35	47.88%	3.4657 52	34	45.03%	3.370 504	Txnrd3
11844	933	35	21.97%	10.534 7	25	25.94%	7.533 217	Arf5
15289	2327	35	21.70%	4.2238 39	48	23.42%	5.799 185	Hmgb1
59032	2395	35	38.41%	4.1039 14	19	19.21%	2.230 336	Ppp2r3c
233575	1184	35	73.31%	8.3014 14	48	82.69%	11.39 755	Pgap2
gi 149268380 ref X M_001476640.1	3372	35	18.89%	2.9148 5	16	13.61%	1.333 996	-
73218	2887	35	40.56%	3.4045 28	25	30.90%	2.434 531	3110056 O03Rik
55943	4123	35	19.52%	2.3839 13	50	16.64%	3.409 407	Stx8
243771	3322	35	31.43%	2.9587 22	37	38.20%	3.131 297	Parp12
209357	2664	35	34.72%	3.6895 17	25	29.50%	2.638 323	Gtf2h3
71983	1815	35	54.05%	5.4153 57	27	50.63%	4.182 243	Tmco6
107766	1252	35	71.09%	7.8505 38	15	40.65%	3.368 287	Haa0

72726	1843	35	52.63%	5.3330 84	40	51.71%	6.101 783	Tbcc
65247	5971	35	23.76%	1.6461 02	19	13.68%	0.894 599	Asb1
66461	1322	35	58.77%	7.4348 52	45	60.89%	9.569 807	Ptpmt1
76916	2080	35	52.93%	4.7254 2	25	35.19%	3.379 082	Timmdc 1
gi 141802913 ref N M_030145.2	2107	35	51.35%	4.6648 66	35	42.15%	4.670 094	-
268390	3604	35	21.78%	2.7272 12	29	23.95%	2.262 223	Ahsa2
66439	2176	35	47.33%	4.5169 46	41	52.67%	5.297 209	2010012 O05Rik
30926	1651	35	35.49%	5.9532 85	29	33.31%	4.938 25	Glr3
100340	1925	35	59.43%	5.1059 08	68	73.71%	9.931 167	Smpd13b
67091	782	35	81.59%	12.568 89	40	83.38%	14.38 055	Trappc6a
109275	2381	35	47.04%	4.1280 44	22	37%	2.597 679	Actr5
26429	2059	35	56.39%	4.7736 15	21	36.13%	2.867 379	Orc5
171463	8220	35	17.74%	1.1957 27	13	6.68%	0.444 625	Il17rd
20603	3377	35	32.43%	2.9105 34	37	35.03%	3.080 298	Sms
71147	3752	35	29.85%	2.6196 36	11	12.47%	0.824 237	Oxsm
67773	1503	35	55.49%	6.5395 03	34	60.21%	6.359 779	Kat8
214895	2298	35	50.83%	4.2771 43	21	34.73%	2.569 161	Lman2l
244416	4229	35	31.88%	2.3241 6	23	21.94%	1.529 017	Ppp1r3b
269060	5652	35	26.45%	1.7390 08	15	11.94%	0.746 124	Dagla
56541	2584	35	41.45%	3.8037 44	34	41.95%	3.699 206	Habp4
269997	2684	35	39.27%	3.6620 24	35	43.07%	3.666 128	Zfp747
22592	4010	35	31.10%	2.4510 91	25	23.27%	1.752 741	Ercc5

140493	7617	35	19.97%	1.2903 86	43	25.93%	1.587 108	Kenn3
668902	4504	35	11.77%	2.1822 54	31	9.19%	1.935 02	Gm9422
320162	2737	35	42.46%	3.5911 12	42	49.25%	4.314 164	Ccdc45
226830	1619	35	61.15%	6.0709 53	21	43.42%	3.646 654	Smyd2
66114	1160	35	72.84%	8.4731 67	24	55.69%	5.816 683	Dnajc30
58230	2046	35	43.65%	4.8039 46	28	39.59%	3.847 464	Rnf8
109145	1364	35	62.61%	7.2059 19	35	66.35%	7.213 994	Gins4
14296	2614	35	42.96%	3.7600 89	23	28.58%	2.473 685	Frat1
218506	1849	34	47.43%	5.1638 99	27	42.51%	4.105 338	Mrps27
gi 149259254 ref X M_001476984.1	7214	34	18.73%	1.3235 44	40	21.67%	1.558 856	-
gi 149274530 ref X M_001473825.1	2854	34	8.34%	3.3454 97	18	7.81%	1.773 13	-
66521	1082	34	41.77%	8.8244 44	21	32.35%	5.456 5	Rwdd1
72357	1350	34	60.67%	7.0726 29	33	68%	6.872 303	2210016 L21Rik
14533	550	34	87.82%	17.360 09	46	93.27%	23.51 35	Bloc1s1
213760	3830	34	31.36%	2.4929 63	9	10.78%	0.660 642	Prepl
218314	3909	34	29.44%	2.4425 81	14	16.71%	1.006 896	Zfp595
74016	3743	34	28.32%	2.5509 08	15	16.48%	1.126 662	Phf19
16529	3364	34	32.73%	2.8383 02	12	8.83%	1.002 876	Kcnk5
22317	3170	34	42.49%	3.0120 03	11	14.07%	0.975 563	Vamp1
22271	1297	34	63.15%	7.3616 41	31	56.75%	6.719 606	Upp1
381903	2002	34	54.15%	4.7692 55	24	40.21%	3.370 306	Alg8
67933	2386	34	45.73%	4.0016 97	26	40.74%	3.063 55	Hcfc2

18022	1793	34	50.70%	5.3251 81	11	18.80%	1.724 783	Nfe2
233406	3035	34	36.90%	3.1459 8	26	27.64%	2.408 445	Prc1
381510	2984	34	44.91%	3.1997 48	20	26.44%	1.884 314	Dpy1914
71726	3611	34	33.92%	2.6441 56	17	18.11%	1.323 56	Smug1
328370	2384	34	46.64%	4.0050 54	22	34.10%	2.594 41	Rft1
gi 6753085 ref NM _009687.1	1185	34	32.91%	8.0574 25	32	30.80%	7.591 957	-
244141	3770	34	28.09%	2.5326 39	17	16.98%	1.267 739	Nars2
12070	939	34	66.99%	10.168 32	33	66.88%	9.880 308	Ngfrap1
17420	2505	34	34.61%	3.8115 96	28	32.34%	3.142 479	Mnat1
67285	1884	34	50.21%	5.0679 66	34	57.22%	5.073 646	Cwc27
17083	1487	34	56.89%	6.4210 15	51	63.42%	9.642 315	Tmed1
105445	8221	34	16.25%	1.1614 22	17	8.92%	0.581 362	Dock9
114644	3224	34	38.86%	2.9615 54	34	36.91%	2.964 872	Slc13a3
110119	1757	34	53.78%	5.4342 91	19	49.69%	3.040 213	Mpi
67153	1457	34	53.12%	6.5532 25	40	61.91%	7.718 316	Rnaseh2 b
215708	5355	34	28.50%	1.7830 16	27	23.25%	1.417 511	Fam73a
11409	1880	34	63.88%	5.0787 49	42	66.01%	6.280 78	Acads
20239	4505	34	9.08%	2.1194 34	21	8.04%	1.310 529	Atxn2
654470	2068	34	49.13%	4.6170 45	23	46.95%	3.126 795	Tctn1
64424	2944	34	31.56%	3.2432 23	16	20.14%	1.527 933	Polr1e
72544	1261	34	41.95%	7.5718 07	35	40.13%	7.803 242	Exosc6
56350	838	34	81.38%	11.393 85	24	74.82%	8.051 733	Arl3

331026	1789	34	55.67%	5.3370 87	37	49.25%	5.814 515	Gmppb
66056	1105	34	69.23%	8.6407 68	22	55.20%	5.597 351	Zfp524
94061	3431	34	32.47%	2.7828 76	49	34.71%	4.015 11	Mrpl1
70088	876	34	72.60%	10.899 6	34	85.62%	10.91 181	Meaf6
28200	1408	34	56.25%	6.7812 85	42	71.80%	8.386 268	Dhrs4
382793	6275	34	21.71%	1.5216 01	12	9.37%	0.537 638	Mtx3
1E+08	2186	34	46.57%	4.3678 17	33	49.73%	4.244 103	Gm1603 9
219150	2931	34	42.85%	3.2576 08	23	29.24%	2.206 145	Hmbox1
140483	1653	34	57.05%	5.7761 94	31	54.20%	5.272 432	Hnmt
69179	3754	34	33.32%	2.5434 33	34	28.53%	2.546 284	Tmem11 0
19143	4017	34	31.19%	2.3769 1	45	35.08%	3.149 436	St14
69740	1610	34	60.19%	5.9304 65	35	59.07%	6.111 732	Dph5
96957	2886	34	42.13%	3.3084 02	28	32.12%	2.727 62	Tmem62
243510	3129	34	38.19%	3.0514 7	10	13.39%	0.898 497	Ccdc142
73247	1192	34	62.50%	8.0101 08	20	46.90%	4.717 108	1600027 N09Rik
237711	8080	34	16.81%	1.1816 89	20	11.30%	0.695 89	Eml6
50799	3133	34	38.94%	3.0475 74	41	46.12%	3.679 134	Slc25a13
246727	4718	34	19.86%	2.0237 49	65	33.51%	3.873 268	Oas3
218100	4912	34	29.05%	1.9438 21	23	18.61%	1.316 411	Zfp322a
107239	3968	34	33.42%	2.4062 62	21	21.47%	1.487 886	Carns1
67224	2162	34	47.59%	4.4163 04	42	37.97%	5.461 548	Med29
67512	837	34	73.36%	11.407 47	28	68.94%	9.404 911	Agpat2

gi 149255599 ref X M_001476823.1	405	34	60.99%	23.575 43	15	62.22%	10.41 258	-
22275	1199	34	77.90%	7.9633 43	52	84.90%	12.19 288	Urod
106672	653	33	92.50%	14.191 77	46	75.34%	19.80 463	AI41358 2
238123	2997	33	40.24%	3.0921 67	22	30.36%	2.063 755	Cog5
66966	2059	33	51.19%	4.5008 37	10	19.04%	1.365 418	Trit1
20648	2115	33	49.08%	4.3816 66	25	41.18%	3.323 164	Snta1
71041	2126	33	48.97%	4.3589 95	17	29.87%	2.248 059	Pcgf6
27398	1012	33	74.11%	9.1573 36	23	64.13%	6.389 538	Mrpl2
223664	2277	33	46.55%	4.0699 27	19	31.62%	2.345 917	Lrnc14
224023	2633	33	50.63%	3.5196 44	19	27.95%	2.028 733	Klhl22
245622	8308	33	16.36%	1.1154 58	21	11.58%	0.710 632	Fam199x
67883	1263	33	50.04%	7.3374 69	42	49.80%	9.349 062	Uxs1
71891	3209	33	27.89%	2.8878 85	27	23%	2.365 463	Cdadc1
72612	1210	33	58.51%	7.6588 63	39	64.05%	9.061 526	2700029 M09Rik
12579	1393	33	30.87%	6.6527 09	41	33.02%	8.274 75	Cdkn2b
102632	3348	33	36.23%	2.7679 88	29	32.56%	2.435 2	Acad11
gi 256355172 ref N R_015523.1	2376	33	24.75%	3.9003 47	44	27.74%	5.206 29	-
80861	2427	33	43.26%	3.8183 86	33	48.29%	3.822 665	Dhx58
77976	5032	33	24.36%	1.8416 58	34	28.86%	1.899 592	Nuak1
1E+08	2797	33	14.44%	3.3132 73	53	25.81%	5.327 28	Gm1400 5
gi 51591904 ref N M_033477.1	882	33	80.50%	10.507 06	27	69.16%	8.606 316	-
66282	1088	33	42.10%	8.5176 69	39	46.05%	10.07 762	Tma16

66242	566	33	93.46%	16.373 19	23	89.05%	11.42 44	Mrps16
99045	991	33	70.94%	9.3513 86	25	56.61%	7.092 322	Mrps26
gi 21312773 ref NM_024205.1	1026	33	79.04%	9.0323 82	39	72.90%	10.68 66	-
18559	1971	33	54.13%	4.7017 88	28	44.60%	3.993 866	Pctp
18038	1470	33	63.95%	6.3042 34	32	51.84%	6.120 047	Nfkbi1
380752	1692	33	54.73%	5.4770 83	31	57.74%	5.150 904	Tssc1
74753	1558	33	53.85%	5.9481 54	17	36.71%	3.067 634	5830415 F09Rik
18632	2439	33	37.93%	3.7996	14	21.44%	1.613 758	Pex11b
1E+08	3607	33	17.13%	2.5692 33	34	17.02%	2.650 055	Gm3735
67168	2468	33	42.99%	3.7549 53	28	31.77%	3.189 591	Lpar6
226527	1289	33	67.57%	7.1894 68	30	61.99%	6.543 204	BC0265 85
1E+08	2516	33	12.36%	3.6833 16	30	12.36%	3.352 222	Srp54c
68910	3629	33	35.41%	2.5536 58	26	19.48%	2.014 227	Zfp467
21339	2536	33	41.88%	3.6542 68	33	37.85%	3.658 363	Taf1a
319901	5763	33	21.62%	1.6080 55	64	32.12%	3.122 148	Dsel
71904	2067	33	49.54%	4.4834 17	42	55.25%	5.712 562	Paqr7
67674	1047	33	41.26%	8.8512 17	37	43.74%	9.935 212	Trmt112
11898	1631	33	35.07%	5.6819 28	31	31.76%	5.343 55	Ass1
66513	3013	33	39.13%	3.0757 46	12	16.66%	1.119 707	Tab1
223690	1894	33	49.79%	4.8929 38	24	42.34%	3.562 488	Ankrd54
58186	2701	33	42.06%	3.4310 34	19	28.88%	1.977 658	Rad18
665113	7146	33	18.21%	1.2968 41	29	17.27%	1.140 925	Tnik

72772	3311	33	33.37%	2.7989 2	25	29.81%	2.122 77	Rint1
14870	744	33	39.52%	12.455 95	29	35.48%	10.95 84	Gstp1
218820	4251	33	26.44%	2.1800 1	30	22.32%	1.984 048	Zfp503
233065	963	33	78.09%	9.6232 85	40	81.20%	11.67 766	Alkbh6
68839	2480	33	43.99%	3.7367 84	35	48.31%	3.967 697	Ankrd46
gi 148747457 ref NM_172570.4	1897	33	51.71%	4.8852	19	33.21%	2.815 843	-
66233	1543	33	67.60%	6.0059 78	29	60.01%	5.283 895	Dmap1
19744	1521	33	18.08%	6.0928 49	33	17.23%	6.099 677	Rheb
66225	1162	33	35.11%	7.9752 36	33	33.65%	7.984 173	Llph
71819	3439	33	34.78%	2.6947 44	27	30.97%	2.207 261	Kif23
100900	825	32	77.58%	10.892 6	33	65.33%	11.24 559	Hscb
gi 149259202 ref XM_909026.3	3466	32	24.61%	2.5927 29	39	24.58%	3.163 43	-
54725	4387	32	30%	2.0484 16	16	14.22%	1.025 356	Cadm1
14854	1857	32	59.34%	4.8392 02	29	46.85%	4.390 442	Gss
69263	1215	32	67.08%	7.3962 13	26	60.08%	6.016 157	Rfc3
30853	1551	32	15.80%	5.7939 39	22	15.86%	3.987 797	Mlf2
67510	1748	32	41.76%	5.1409 6	28	48.51%	4.503 381	Fam18b
67049	2012	32	51.09%	4.4664 01	22	38.12%	3.074 092	Pus3
101185	3153	32	37.93%	2.8501 11	37	34%	3.299 133	Pot1a
66067	1318	32	56.68%	6.8182 09	14	36.04%	2.986 309	Gtpbp8
19041	6277	32	19.79%	1.4316 39	23	15.88%	1.030 144	Ppl
50785	3732	32	14.12%	2.4079 31	20	12.78%	1.506 643	Hs6st1

69833	612	32	78.27%	14.683 66	54	83.82%	24.80 644	Polr2f
74528	2707	32	36.50%	3.3196 89	37	37.13%	3.842 692	8430406 I07Rik
56705	3064	32	9.27%	2.9328 98	34	11.46%	3.119 696	Ranbp9
68735	526	32	82.32%	17.084 41	37	76.05%	19.77 598	Mrps18c
319638	2716	32	42.75%	3.3086 89	37	46.80%	3.829 959	Nt5dc1
230809	4766	32	27.86%	1.8855 22	23	18.88%	1.356 738	Pdik11
74316	868	32	57.83%	10.352 99	40	69.35%	12.95 574	Isca2
80909	4807	32	27.17%	1.8694 4	11	10.19%	0.643 34	Gatsl2
433424	1305	32	48.43%	6.8861 29	56	60.69%	12.06 423	Gm1347 6
66821	1829	32	55.06%	4.9132 85	32	49.26%	4.918 791	Bcs11
93686	7048	32	19.75%	1.2750 28	20	12.46%	0.797 786	Rbfox2
68142	6296	32	11.86%	1.4273 19	22	10.09%	0.982 381	Ino80
13070	1774	32	57.33%	5.0656 14	1	2.76%	0.158 478	Cyp11a1
67775	1573	32	43.04%	5.7129 05	45	53.85%	8.042 775	Rtp4
67770	2109	32	44.71%	4.2609 76	28	45%	3.732 532	5830433 M19Rik
21816	2854	32	41.10%	3.1487 03	17	25.47%	1.674 623	Tgm1
735265	109	32	94.50%	82.444 03	38	77.98%	98.01 199	Mir703
18436	2441	32	43.10%	3.6814 42	54	60.06%	6.219 394	P2rx1
19167	1434	32	23.57%	6.2666 66	24	28.52%	4.705 266	Psma3
22169	3215	32	35.93%	2.7951 47	40	43.89%	3.497 85	Cmpk2
217119	3424	32	28.59%	2.6245 32	15	18.98%	1.231 628	Xylt2
235533	2746	32	45.88%	3.2725 41	19	28.73%	1.945 249	Gk5

81845	1506	32	39.31%	5.9670 64	28	42.23%	5.227 032	Gpank1
67725	2523	32	42.73%	3.5617 91	21	29.96%	2.340 045	Nudt13
231842	2685	32	38.25%	3.3468 9	33	42.20%	3.455 348	Amz1
15039	1758	32	28.73%	5.1117 17	32	27.30%	5.117 445	H2-T22
66119	1026	32	6.73%	8.7586 73	28	7.02%	7.672 427	Tomm6
78416	1072	32	70.90%	8.3828 35	19	55.41%	4.982 886	Rnase6
276919	3448	32	36.83%	2.6062 64	12	15.34%	0.978 444	Gemin4
66844	2055	32	23.11%	4.3729 43	38	24.87%	5.198 69	Ormdl2
195040	1353	32	59.05%	6.6418 32	20	47.67%	4.155 797	Tmem19 9
14158	3026	32	38.30%	2.9697 29	51	50.40%	4.738 309	Fert2
79044	899	32	73.41%	9.9959 94	27	78.31%	8.443 572	Mrps34
71609	1385	32	61.23%	6.4883 75	25	54.73%	5.074 723	Tradd
74243	2840	32	34.47%	3.1642 25	11	14.51%	1.088 921	2210009 G21Rik
117109	991	32	55.20%	9.0680 11	31	66.80%	8.794 48	Pop5
54006	2362	32	42.55%	3.8045 72	41	48.26%	4.880 07	Deaf1
14125	1026	32	71.25%	8.7586 73	4	18.42%	1.096 061	Fcer1a
73750	4049	32	30.35%	2.2194 12	25	21.83%	1.735 859	Whrn
216292	2039	32	52.13%	4.4072 58	17	34.43%	2.343 98	BC0670 68
494448	5449	32	20.94%	1.6491 83	18	13.40%	0.928 705	Cbx6
330064	3455	32	34.18%	2.6009 84	19	18.55%	1.546 065	Slc5a6
11512	6038	32	23.24%	1.4883 07	13	10.55%	0.605 302	Adcy6
12663	6117	32	23.02%	1.4690 86	39	24.28%	1.792 455	Chml

gi 166295184 ref N M_009319.2	1736	32	55.07%	5.1764 97	34	59.50%	5.506 192	-
13360	2845	32	35.85%	3.1586 64	26	31.88%	2.569 29	Dhcr7
52469	718	32	87.05%	12.515 88	30	79.39%	11.74 678	Coa3
23827	2182	32	36.98%	4.1184 23	30	38.13%	3.865 348	Bpnt1
241919	8869	32	1.97%	1.0132 37	23	2.19%	0.729 08	Slc7a14
18476	892	32	69.06%	10.074 44	26	67.49%	8.194 654	Pafah1b3
97998	3300	32	30.30%	2.7231 51	50	48.64%	4.259 692	Deptor
246229	3571	32	31.17%	2.5164 94	21	21.62%	1.653 3	Bivm
170753	13849	32	10.61%	0.6488 84	18	5.33%	0.365 406	Zfp704
641376	2920	32	36.40%	3.0775 34	25	30.86%	2.407 018	Tomm40 1
67881	1802	32	51.22%	4.9869 03	24	49.56%	3.744 368	Mdp1
207474	4822	32	24.91%	1.8636 25	12	11.72%	0.699 642	Kctd12b
23821	4194	32	26.25%	2.1426 8	18	18.91%	1.206 608	Bace1
56737	3062	32	38.83%	2.9348 13	29	35.99%	2.662 655	Alg2
329540	6416	32	21.12%	1.4006 23	32	21.04%	1.402 193	8430427 H17Rik
244864	1786	32	57%	5.0315 78	27	49.72%	4.250 152	Layn
545938	3511	32	31.96%	2.5594 98	18	20.19%	1.441 331	Zfp607
18799	2651	32	37.04%	3.3898 15	42	48.55%	4.454 118	Plcd1
68915	4441	32	23.10%	2.0235 08	22	19.21%	1.392 721	Vars2
11838	3059	32	36.71%	2.9376 92	101	71.66%	9.282 48	Arc
22245	1966	32	37.89%	4.5709 05	17	23.70%	2.431 014	Uck1
66514	2274	32	43.93%	3.9518 02	13	20.27%	1.607 219	Asrg11

170459	2985	32	36.15%	3.0105 19	23	29.92%	2.166 235	Stard4
105670	3791	32	30.34%	2.3704 56	38	28.25%	2.818 071	Rcctb2
241303	4011	32	32.76%	2.2404 38	9	10.60%	0.630 829	Fam78a
gi 149249576 ref X M_917391.3	5855	32	13.01%	1.5348 25	28	11.80%	1.344 477	-
18514	6910	32	10.03%	1.3004 92	39	12.17%	1.586 751	Pbx1
14226	1007	32	54.72%	8.9239 31	23	58.49%	6.421 263	Fkbp1b
240066	5321	32	23.51%	1.6888 55	19	14.58%	1.003 882	Zfp870
70385	2526	32	42.28%	3.5575 61	23	37.77%	2.559 862	Ccdc99
209707	4983	32	24.70%	1.8034 11	23	18.82%	1.297 654	Lcor1
12497	2500	32	39.80%	3.5945 6	20	28.36%	2.249 117	Entpd6
240869	3883	32	31.26%	2.3142 93	9	10.33%	0.651 624	Zbtb37
52822	4036	32	24.93%	2.2265 61	35	28.12%	2.438 03	Rufy3
16818	2171	32	47.86%	4.1392 9	13	20.82%	1.683 471	Lck
74498	3483	32	36.03%	2.5800 74	18	21.36%	1.452 918	Gorasp1
320129	6554	32	18.83%	1.3711 32	26	14.83%	1.115 293	Adrbk2
244183	2771	32	38.40%	3.2430 17	42	40.17%	4.261 229	Trim30b
66162	337	32	81.01%	26.665 87	39	78.34%	32.53 545	Bola2
19076	1937	32	48.53%	4.6393 39	23	40.32%	3.338 261	Prim2
433813	1229	32	65.58%	7.3119 6	22	55.25%	5.032 606	Pus11
18004	4264	31	27.74%	2.0416 45	22	18.62%	1.450 533	Nek1
80902	3877	31	32.14%	2.2454 41	45	33.02%	3.263 163	Zfp202
12902	6207	31	19.27%	1.4025 41	5	3.95%	0.226 47	Cr2

227095	1720	31	59.07%	5.0613 8	30	58.84%	4.903 599	Hibch
gi 142352841 ref N M_007692.5	1707	31	23.49%	5.0999 26	26	16.99%	4.282 151	-
gi 158508433 ref N M_026028.4	2166	31	49.35%	4.0191 94	10	20.13%	1.297 967	-
63872	1530	31	59.93%	5.6899 18	25	50.33%	4.593 785	Zfp296
67020	1585	31	48.39%	5.4924 76	66	49.84%	11.70 676	Tmem88
52563	4134	31	26.05%	2.1058 48	19	18.09%	1.292 127	Cdc23
14088	3169	31	22.12%	2.7471 04	42	28.65%	3.726 054	Fance
14430	2000	31	39.70%	4.3527 87	24	37.90%	3.373 676	Galt
211006	1925	31	54.03%	4.5223 76	11	20.68%	1.606 512	Sepsecs
105675	1560	31	50.06%	5.5804 96	32	52.18%	5.766 967	Ppif
12892	3186	31	32.55%	2.7324 46	38	37.29%	3.353 204	Cpox
52710	2700	31	35.15%	3.2242 87	12	20.81%	1.249 51	Slc52a2
360213	3132	31	39.66%	2.7795 57	18	18.33%	1.615 745	Trim46
338364	3050	31	32.16%	2.8542 87	10	15.97%	0.921 769	Trim65
217011	1771	31	54.04%	4.9156 26	21	45.57%	3.333 672	Nle1
231003	3014	31	40.71%	2.8883 79	31	36.99%	2.891 616	Klh17
237926	4167	31	28.75%	2.0891 71	19	16.63%	1.281 894	Rsad1
11931	2422	31	40.92%	3.5943 74	16	25.10%	1.857 24	Atp1b1
105663	2839	31	42.97%	3.0664 23	18	27.26%	1.782 499	Thtpa
gi 149233903 ref X M_001479477.1	10009	31	3.71%	0.8697 75	20	4.56%	0.561 774	-
232449	1688	31	59.12%	5.1573 3	18	41.05%	2.997 935	Dera
1E+08	4296	31	26.65%	2.0264 37	37	23.88%	2.421 361	Gm3374

18938	919	31	37%	9.4728 77	23	38.19%	7.036 14	Ppp1r14 b
99100	5768	31	24.46%	1.5092 88	17	13.26%	0.828 602	Cep152
22152	1758	31	52.56%	4.9519 76	12	24.29%	1.919 042	Tubb3
320742	2041	31	17.79%	4.2653 47	23	17.74%	3.168 159	A230072 C01Rik
70536	1924	31	46.88%	4.5247 27	27	48.75%	3.945 307	Qpct
69752	1100	31	68.55%	7.9141 58	27	63.91%	6.900 701	Zfp511
67471	3057	31	39.12%	2.8477 51	22	23.09%	2.023 249	Gpatch1
gi 149259462 ref X M_001474880.1	2742	31	30.49%	3.1748 99	19	20.86%	1.948 087	-
16579	3907	31	34.20%	2.2281 99	44	38.67%	3.166 149	Kifap3
70394	1665	31	60.42%	5.2285 73	39	59.52%	6.585 253	Kptn
gi 142368010 ref N M_145522.3	1737	31	50.32%	5.0118 44	27	44.91%	4.370 047	-
317717	3992	31	26%	2.1807 55	22	21.54%	1.549 367	Sec22a
12695	7305	31	17.77%	1.1917 28	25	13.57%	0.962 148	Inadl
11745	1619	31	23.59%	5.3771 3	41	23.84%	7.119 658	Anxa3
19044	1821	31	53.10%	4.7806 56	34	53.21%	5.249 175	Ppox
76429	1607	31	58.37%	5.4172 83	28	55.07%	4.898 513	Lhpp
12454	2632	31	23.44%	3.3075 89	25	19.38%	2.670 4	Ccnk
74480	7120	31	18.64%	1.2226 93	14	9.14%	0.552 803	Samd4
236451	1163	31	53.83%	7.4854 46	43	48.93%	10.39 467	Gm4902
11781	1734	31	57.90%	5.0205 15	28	56.81%	4.539 741	Ap4m1
71971	2721	31	36.53%	3.1994 02	21	32.89%	2.169 766	Zswim1
gi 141801751 ref N M_028072.4	4573	31	25.93%	1.9036 9	10	10.54%	0.614 782	-

107197	847	31	69.07%	10.278 13	19	52.89%	6.306 557	AI46249 3
320007	4281	31	24.32%	2.0335 37	10	10.35%	0.656 715	Sidt1
gi 148540024 ref N M_029862.3	1608	31	53.11%	5.4139 14	24	46.14%	4.196 114	-
408065	4079	31	26.43%	2.1342 42	26	21.82%	1.792 015	Zfp456
225659	3979	31	28.60%	2.1878 8	28	28.30%	1.978 364	Cep76
54324	5420	31	22.66%	1.6061 94	24	17.14%	1.244 899	Arhgef5
56314	6486	31	18.07%	1.3422 1	42	14.15%	1.820 516	Zfp113
71583	2159	31	43.68%	4.0322 25	44	52.94%	5.729 572	9130008 F23Rik
72065	3562	31	9.63%	2.4440 13	23	8.82%	1.815 332	Rap2c
11542	1797	31	55.76%	4.8445 04	13	26.04%	2.033 843	Adora3
23894	1707	31	57.88%	5.0999 26	21	39.78%	3.458 66	Gtf2h2
67103	2104	31	36.50%	4.1376 3	38	47.15%	5.077 617	Ptgr1
98365	1152	31	64.32%	7.5569 22	24	59.64%	5.857 076	Slamf9
380921	3967	31	32.87%	2.1944 98	16	17.62%	1.133 913	Dgkh
18761	3313	31	38.51%	2.6277 01	3	4.44%	0.254 579	Prkcq
18798	3692	31	29.39%	2.3579 56	32	33.02%	2.436 747	Plcb4
80905	2580	31	40.97%	3.3742 53	18	31.09%	1.961 439	Polh
68597	4625	31	21.12%	1.8822 86	33	23.05%	2.005 969	Ccdc167
117591	3602	31	35.15%	2.4168 72	29	29.57%	2.263 479	Slc2a9
100732	1921	31	50.96%	4.5317 93	42	56.27%	6.146 729	Mapre3
gi 149254975 ref X M_001477140.1	855	31	13.57%	10.181 96	25	14.15%	8.220 458	-
70454	4342	31	28.72%	2.0049 69	28	21.58%	1.812 969	Cenpl

68114	3717	31	26.85%	2.3420 97	17	19.34%	1.285 815	Mum1
gi 149262338 ref X M_001478949.1	5313	31	19.93%	1.6385 42	17	14.74%	0.899 562	-
20733	1477	31	54.23%	5.8940 92	19	28.98%	3.616 556	Spint2
72114	1894	31	46.67%	4.5963 96	32	50.21%	4.749 984	Zbed3
211323	2103	31	49.64%	4.1395 98	11	23.59%	1.470 536	Nrg1
73916	2540	31	35.08%	3.4273 91	33	34.80%	3.652 602	Ift57
105014	1475	31	59.66%	5.9020 84	28	50.58%	5.336 888	Rdh14
17395	3185	31	37.11%	2.7333 04	41	47.32%	3.619 066	Mmp9
21827	3205	30	37.07%	2.6286 27	19	24.99%	1.666 663	Thbs3
68303	2949	30	35.84%	2.8568 15	17	21.97%	1.620 676	Fam114a 1
382639	3478	30	33.09%	2.4222 97	24	27.29%	1.940 009	Zbtb42
70123	856	30	67.52%	9.8419 96	31	71.96%	10.18 146	2210013 O21Rik
83704	3315	30	37.74%	2.5414 02	23	26.64%	1.950 592	Slc12a9
64659	1970	30	27.21%	4.2765 22	26	28.17%	3.710 473	Mrps14
140721	4762	30	24.97%	1.7691 62	12	11.17%	0.708 458	Caskin2
215693	3520	30	30.77%	2.3933 95	19	20.37%	1.517 515	Zmat1
237823	6369	30	19.38%	1.3227 74	17	11.13%	0.750 412	Pfas
71710	5675	30	22.77%	1.4845 37	17	13%	0.842 18	Lrrcc1
16411	4025	30	28.77%	2.0931 05	26	25.79%	1.816 057	Itgax
68327	1224	30	61.76%	6.8829 65	30	46.49%	6.890 678	0610007 P22Rik
72230	3839	30	33.29%	2.1945 17	30	29.70%	2.196 976	Zfp558
67840	2321	30	24.08%	3.6297 93	29	28.95%	3.512 732	Mrp63

65257	3225	30	29.95%	2.6123 25	26	28.19%	2.266 552	Asb3
14283	1705	30	28.39%	4.9412 02	35	26.63%	5.771 195	Fos11
408064	870	30	74.94%	9.6836 19	27	61.95%	8.725 024	BC0640 78
64295	1343	30	62.32%	6.2730 82	19	39.84%	3.977 404	Tmub1
15587	1872	30	44.39%	4.5004	32	52.67%	4.805 806	Hyal2
237339	3411	30	31.75%	2.4698 77	12	13.93%	0.989 058	L3mbt13
80860	2162	30	43.39%	3.8967 39	38	42.74%	4.941 4	Ghdc
230075	534	30	82.58%	15.776 68	49	86.14%	25.79 746	Ndufb6
215201	3337	30	32.66%	2.5246 48	29	28.20%	2.443 228	Trmt2b
72960	2011	30	44.80%	4.1893 33	27	41.47%	3.774 625	Top1mt
382137	1978	30	46.87%	4.2592 26	19	32.91%	2.700 533	Fdxacb1
13202	609	30	84.24%	13.833 74	30	80.62%	13.84 924	Ddt
17187	2005	30	13.32%	4.2018 7	19	9.83%	2.664 166	Max
14073	3816	30	31.47%	2.2077 43	19	21.36%	1.399 804	Faah
66632	2700	30	35.11%	3.1202 77	38	47.85%	3.956 78	Atpbd4
242341	2518	30	42.65%	3.3458 1	9	17.51%	1.004 868	Atp6v0d 2
432442	3140	30	34.65%	2.6830 41	26	28.22%	2.327 908	Akap7
73338	3689	30	29.17%	2.2837 49	22	18.76%	1.676 626	Itpr11
319634	4654	30	26.43%	1.8102 17	31	26.30%	1.872 654	Efcab5
68350	3732	30	20.07%	2.2574 35	14	15.70%	1.054 65	Mul1
14009	4146	30	25.23%	2.0320 19	18	17.85%	1.220 577	Etv1
66628	939	30	68.80%	8.9720 44	30	74.12%	8.982 098	Thg11

gi 27881426 ref N M_020611.3	1733	30	30.41%	4.8613 67	40	33.53%	6.489 086	-
101966	679	30	38.14%	12.407 58	27	32.55%	11.17 934	D8ErtD7 38e
399101	437	30	73%	19.278 6	23	67.28%	14.79 682	Snhg3
231430	1342	30	55.07%	6.2777 56	15	45.68%	3.142 396	Cox18
55927	1335	30	60.82%	6.3106 73	23	57.60%	4.843 605	Hes6
gi 149253859 ref X M_001474408.1	2157	30	33.19%	3.9057 71	29	33.84%	3.779 81	-
66179	1243	30	61.06%	6.7777 55	41	78.36%	9.273 311	1110031 I02Rik
68119	1616	30	16.21%	5.2133 35	29	17.57%	5.045 204	Cmtm3
213350	1497	30	52.71%	5.6277 55	19	53.31%	3.568 239	Pddc1
50883	2247	30	46.86%	3.7493 32	18	30.31%	2.252 12	Chek2
gi 149260277 ref X M_001475085.1	1618	30	3.58%	5.2068 91	38	3.65%	6.602 786	-
53978	5701	30	20.72%	1.4777 67	21	14.35%	1.035 596	Lpar2
67460	3082	30	33.29%	2.7335 33	26	30.40%	2.371 717	Decr1
215449	1937	30	8.16%	4.3493 8	27	7.59%	3.918 829	Rap1b
70693	4475	30	28.63%	1.8826 25	26	24.09%	1.633 437	Gpr125
228491	4276	30	28.23%	1.9702 41	4	4.58%	0.262 993	Zfp770
74080	2160	30	44.40%	3.9003 47	17	27.50%	2.212 673	Nmnat3
22171	3808	30	31.12%	2.2123 82	31	24.95%	2.288 689	Tyms
232371	3010	30	37.81%	2.7989 2	25	31.40%	2.335 047	C1rl
1E+08	2889	30	32.64%	2.9161 47	26	25.16%	2.530 16	Gm2881
214239	4716	30	26.65%	1.7864 18	10	8.48%	0.596 14	A430105 I19Rik
116905	2103	30	45.93%	4.0060 62	8	14.22%	1.069 48	Dph1

106952	5266	30	23.40%	1.5998 38	26	19.77%	1.388 08	Arap3
56226	2861	30	39.46%	2.9446 87	7	10.31%	0.687 864	Espn
93734	3056	30	20.75%	2.7567 9	26	8.54%	2.391 895	Mpv171
74335	2422	30	42.53%	3.4784 26	16	22.09%	1.857 24	Xrcc3
14651	1197	30	58.81%	7.0382 2	31	64.08%	7.280 977	Hagh
320209	4167	30	30.09%	2.0217 78	17	19.17%	1.146 958	Ddx11
68209	646	30	78.48%	13.041 41	26	79.88%	11.31 522	Rnaseh2 c
gi 62388881 ref N M_172267.2	1348	30	68.99%	6.2498 14	9	31.31%	1.877 045	-
74754	4028	30	30.16%	2.0915 46	5	6.08%	0.348 982	Dhcr24
102791	1656	30	59.72%	5.0874 09	10	25.30%	1.697 703	Tcta
53951	4237	30	22.45%	1.9883 76	18	14.18%	1.194 362	Ccdc75
16907	3389	30	35.97%	2.4859 1	28	31.16%	2.322 783	Lmnb2
232878	2620	30	40.15%	3.2155 53	22	33.74%	2.360 715	Zscan22
20555	1881	30	50.93%	4.4788 67	20	35.94%	2.989 257	Slfn1
67178	789	30	78.33%	10.677 76	19	46.13%	6.770 157	Zmat5
30059	682	30	80.35%	12.353	39	69.79%	16.07 69	Timm10
18567	1121	30	65.39%	7.5153 87	43	74.40%	10.78 413	Pdcd2
50501	1513	30	59.62%	5.5682 41	27	46.86%	5.017 033	Prok2
101142	2314	30	48.96%	3.6407 73	21	32.63%	2.551 397	Itfg2
228730	2150	30	42.93%	3.9184 88	38	50.33%	4.968 98	Plk1s1
68291	2364	30	44.97%	3.5637 69	24	32.66%	2.854 21	Mto1
67800	2251	30	42.74%	3.7426 69	25	38.25%	3.122 386	Dgat2

231004	2610	30	19.92%	3.2278 73	24	22.34%	2.585 192	Samd11
74748	2040	30	42.89%	4.1297 79	50	55%	6.890 678	Slamf8
110012	1101	30	71.57%	7.6519 06	17	55.95%	4.340 939	Gm1651 7
328780	1216	30	62.91%	6.9282 47	3	12.09%	0.693 601	Prss34
66801	1654	29	42.08%	4.9237 75	34	50.85%	5.779 171	Prkrip1
239554	4910	29	22.02%	1.6586 4	10	8.49%	0.572 586	Foxred2
236604	2858	29	20.36%	2.8495 19	13	12.84%	1.278 802	Pisd-ps1
217057	2999	29	29.04%	2.7155 46	16	19.37%	1.499 911	Pthr2
211151	672	29	74.40%	12.118 93	22	66.82%	9.203 977	Churc1
381760	1489	29	30.36%	5.4693 91	22	19.21%	4.153 843	Ssbp1
212706	2593	29	37.95%	3.1407 34	27	33.63%	2.927 409	N4bp3
77045	3809	29	30.74%	2.1380 74	17	20.22%	1.254 758	Bcl7a
105439	2757	29	36.96%	2.9539 08	9	14.25%	0.917 757	Slain1
74196	2839	29	38.53%	2.8685 89	41	43.08%	4.060 136	Ttc27
76522	768	29	70.31%	10.604 07	31	71.22%	11.34 809	Naa38
gi 133892660 ref N M_026712.2	1117	29	57.83%	7.2908 9	27	66.16%	6.795 677	-
231279	3978	29	28%	2.0472 41	21	21.04%	1.484 146	Guf1
22626	2077	29	51.42%	3.9210 03	32	45.74%	4.331 473	Slc23a3
27883	1529	29	54.94%	5.3263 07	16	31.52%	2.941 945	D16H22 S680E
170789	1161	29	71.32%	7.0145 77	26	58.74%	6.295 979	Acot8
67105	1315	29	66.84%	6.1930 98	32	64.79%	6.841 421	1700034 H14Rik
29857	1905	29	46.61%	4.2750 26	21	30.08%	3.099 177	Mapk12

57344	1752	29	47.72%	4.6483 58	47	65.81%	7.541 989	As3mt
gi 149265189 ref X M_001473268.1	6131	29	13.06%	1.3283 19	24	9.82%	1.100 53	-
gi 142363832 ref N M_013888.2	1224	29	54.58%	6.6535 33	24	62.42%	5.512 542	-
17868	4163	29	22.24%	1.9562 63	29	22.05%	1.958 455	Mybpc3
gi 160333825 ref N M_001009575.4	2826	29	34.11%	2.8817 85	31	38.85%	3.083 981	-
17319	554	29	42.78%	14.700 22	18	42.42%	9.134 502	Mif
107999	1615	29	45.51%	5.0426 77	24	29.41%	4.177 927	Gtpbp6
56068	3109	29	34.13%	2.6194 67	14	18.01%	1.265 988	Ammecr 1
15476	1685	29	46.29%	4.8331 89	18	38.28%	3.003 272	Hs3st1
54610	4451	29	22%	1.8296 84	30	26.26%	1.894 898	Tbc1d8
66241	1595	29	51.03%	5.1059 08	29	47.96%	5.111 63	Tmem9
73847	1907	29	49.50%	4.2705 42	36	50.45%	5.307 304	Fam110a
75985	2007	29	49.83%	4.0577 6	10	18.24%	1.400 796	Rab30
23900	452	29	85.62%	18.017 53	28	87.39%	17.41 573	Hcst
240697	2553	29	17.20%	3.1899 43	38	12.34%	4.184 609	6030422 M02Rik
29805	1262	29	56.97%	6.4531 89	20	53.33%	4.455 462	Znhit2
78751	4916	29	24.39%	1.6566 16	16	15.03%	0.915 019	Zc3h6
101835	3411	29	26.85%	2.3875 47	19	14.31%	1.566 008	AW1461 54
79196	3994	29	30.10%	2.0390 4	4	4.91%	0.281 562	Osbp15
gi 142362902 ref N M_026500.2	2159	29	36.45%	3.7720 81	30	35.90%	3.906 526	-
269774	19363	29	5.61%	0.4205 92	15	3.25%	0.217 791	Aak1
320506	3046	29	30.89%	2.6736 45	13	16.74%	1.199 874	Lmbrd2

327655	5559	29	20.36%	1.4649 98	22	15.74%	1.112 623	Ppip5k1
30805	2260	29	38.58%	3.6035 06	24	39.38%	2.985 554	Slc22a4
207777	7633	29	15.98%	1.0669 36	14	8.71%	0.515 65	Bzrap1
20630	775	29	53.16%	10.508 29	41	57.29%	14.87 319	Snrpc
11651	2707	29	8.76%	3.0084 68	21	9.09%	2.180 987	Akt1
236904	4001	29	22.32%	2.0354 72	35	16.92%	2.459 357	Klhl15
68332	987	29	64.64%	8.2511 89	30	61.70%	8.545 278	Sdhaf1
24082	1267	29	65.19%	6.4277 22	49	72.77%	10.87 28	Gm1651 6
12615	1337	29	52.95%	6.0911 92	37	60.81%	7.780 23	Cenpa
58182	4073	29	27.11%	1.9994 9	10	11.74%	0.690 252	Prokr1
230376	3719	29	26.70%	2.1898 16	22	22.02%	1.663 101	Haus6
27221	3308	29	29.78%	2.4618 88	25	25.15%	2.124 695	Chaf1a
625054	2057	29	48.27%	3.9591 27	30	54.25%	4.100 238	Gm6548
233893	2508	29	40.03%	3.2471 79	21	30.50%	2.354 04	Zfp764
gi 149255622 ref X M_001476590.1	400	29	89%	20.359 81	16	70.50%	11.24 559	-
244329	4636	29	25.02%	1.7566 7	26	22.63%	1.576 711	Mcp1
214639	1390	29	57.05%	5.8589 38	52	65.40%	10.51 745	4930486 L24Rik
20719	1654	29	16.14%	4.9237 75	27	10.04%	4.589 342	Serpinb6 a
54448	883	29	74.41%	9.2230 17	23	56.06%	7.323 004	Il1f6
217473	2458	29	41.66%	3.3132 32	19	31%	2.173 171	Ankmy2
106740	1088	29	65.07%	7.4852 24	21	55.97%	5.426 409	LOC106 740
13368	2073	29	42.21%	3.9285 69	25	41.73%	3.390 493	Dffb

224691	2337	29	42.70%	3.4847 77	19	30.42%	2.285 688	Zfp472
20969	3057	29	36.34%	2.6640 25	26	35.13%	2.391 113	Sdc1
70591	4536	29	24.12%	1.7953 98	22	17.15%	1.363 552	5730455 P16Rik
75458	1800	29	33.33%	4.5244 02	33	34.06%	5.154 227	Cklf
73162	1670	29	51.32%	4.8766 01	29	56.95%	4.882 066	Otud3
16923	2498	29	15.57%	3.2601 78	19	10.21%	2.138 372	Sh2b3
216820	1582	29	41.78%	5.1478 66	24	42.48%	4.265 077	Dhrs7b
67711	1082	29	60.91%	7.5267 32	23	54.07%	5.976 167	Nsmce1
70681	2499	29	35.37%	3.2588 73	12	20.37%	1.350 01	Fam175a
22698	3890	29	28.17%	2.0935 54	15	14.65%	1.084 086	Zfp39
17311	5450	29	21.78%	1.4942 98	84	50.70%	4.333 162	Kitl
70511	2140	28	43.74%	3.6743 45	24	41.64%	3.152 968	Fam86
66822	2008	28	43.87%	3.9158 86	21	42.68%	2.940 206	Fbxo25
381406	1888	28	43.01%	4.1647 77	25	30.93%	3.722 718	2810408 M09Rik
228357	8028	28	13.93%	0.9794 59	20	9.82%	0.700 398	Lrp4
18627	5845	28	19.91%	1.3452 69	29	22.34%	1.394 876	Per2
14456	2594	28	37.74%	3.0312 64	8	10.79%	0.867 046	Gas6
228839	2792	28	31.41%	2.8162 96	24	31.73%	2.416 673	Tgif2
70122	6129	28	17%	1.2829 33	41	25.27%	1.880 686	Mllt3
212627	1867	28	40.81%	4.2116 22	26	40.92%	3.915 175	Prpsap2
73172	1990	28	40.65%	3.9513 06	22	41.96%	3.108 077	Dem1
21788	3027	28	22.20%	2.5976 54	38	36.31%	3.529 338	Tfpi

71968	2587	28	37.57%	3.0394 66	11	14.88%	1.195 414	Wdr73
18591	2956	28	26.86%	2.6600 47	32	31.16%	3.043 46	Pdgb
223723	3770	28	31.51%	2.0857 03	21	20.98%	1.566 03	Ttl12
223978	2663	28	38.87%	2.9527 22	18	29.70%	1.900 306	Cpped1
94092	3896	28	32.57%	2.0182 49	24	22.56%	1.731 866	Trim16
gi 149258000 ref X M_001478697.1	2936	28	12.33%	2.6781 67	28	14.37%	2.681 168	-
66278	1036	28	57.92%	7.5898 64	24	60.42%	6.512 888	1810013 D10Rik
319554	2883	28	30.42%	2.7274 02	28	26.53%	2.730 458	Idi1
17857	3218	28	23.49%	2.4434 74	37	28.37%	3.232 495	Mx1
69094	840	28	68.10%	9.3608 32	37	62.26%	12.38 353	Tmem16 0
26922	1337	28	62.30%	5.8811 51	26	55.95%	5.467 189	Mecr
56412	2303	28	47.98%	3.4142 85	26	45.98%	3.173 961	Noa1
21899	2600	28	37.15%	3.0242 69	18	29.88%	1.946 352	Thr6
69548	4861	28	24.50%	1.6175 89	16	15.74%	0.925 372	2310015 A10Rik
17350	2598	28	40.45%	3.0265 97	10	13.63%	1.082 139	Mlh1
14385	2109	28	41.82%	3.7283 54	18	34.28%	2.399 485	Slc37a4
50721	1703	28	54.49%	4.6172 04	16	27.60%	2.641 359	Sirt6
54201	6893	28	10.20%	1.1407 37	21	4.40%	0.856 511	Zfp316
56088	1017	28	63.23%	7.7316 61	43	74.34%	11.88 693	Psmg1
72284	1959	28	45.38%	4.0138 33	17	34.71%	2.439 701	Oraov1
69163	1424	28	54.71%	5.5218 39	14	27.95%	2.764 014	Mrpl44
17863	3420	28	27.81%	2.2991 52	5	6.93%	0.411 023	Myb

70021	1435	28	56.79%	5.4795 11	28	54.77%	5.485 652	Nt5dc2
gi 256355137 ref N R_015498.1	3630	28	29.75%	2.1661 43	13	15.40%	1.006 836	-
108121	907	28	16.43%	8.6693 48	31	16.43%	9.608 963	U2af1
105352	2243	28	22.47%	3.5056 17	49	37.49%	6.141 705	Dusp22
442827	4105	28	24.48%	1.9154 93	12	13.50%	0.821 846	Rab44
56309	1485	28	54.21%	5.2950 16	33	61.62%	6.247 548	Mycbp
74257	1567	28	52.20%	5.0179 32	25	49.07%	4.485 317	Tspan17
97159	1109	28	68.98%	7.0902 61	29	67.09%	7.351 713	A430005 L14Rik
12545	2960	28	32.77%	2.6564 52	17	21.59%	1.614 653	Cdc7
66379	741	28	73.14%	10.611 47	34	63.16%	12.89 98	2310016 M24Rik
232946	1850	28	47.89%	4.2503 24	26	40.22%	3.951 152	Bloc1s3
67914	1693	28	49.03%	4.6444 77	12	24.39%	1.992 721	Coq9
94254	2310	28	44.72%	3.4039 39	27	31.95%	3.286 048	Wbscr16
259300	3058	28	30.02%	2.5713 21	15	20.83%	1.379 037	Ehd2
74044	4555	28	25.64%	1.7262 57	24	23.49%	1.481 307	Ttf2
69902	930	28	64.09%	8.4549 45	33	68.06%	9.975 923	Mrto4
237940	2553	28	42.85%	3.0799 45	18	28.16%	1.982 183	Aoc2
19799	175	28	88%	44.931 99	29	88.57%	46.58 886	Rn4.5s
72572	2075	28	43.81%	3.7894 45	19	39.95%	2.574 291	Spats2
70292	6617	28	16.99%	1.1883 18	16	10.93%	0.679 8	Afap1
384763	3671	28	31.16%	2.1419 5	32	33.12%	2.450 686	Zfp667
232491	2155	28	39.21%	3.6487 7	16	28.17%	2.087 348	Pyroxd1

14677	3193	28	29.63%	2.4626 05	7	7.86%	0.616 341	Gnai1
68917	636	28	72.64%	12.363 36	30	79.56%	13.26 13	Hint2
21749	1679	28	44.13%	4.6832 04	23	41.57%	3.851 228	Terf1
66049	1392	28	71.12%	5.6487 78	14	39.08%	2.827 554	Rogdi
52639	1817	28	53.77%	4.3275 17	28	52.12%	4.332 367	Wipi1
gi 39930578 ref N M_198246.1	1576	28	50.19%	4.9892 76	25	51.46%	4.459 703	-
65945	3319	28	33.26%	2.3691 17	34	39.35%	2.880 009	Clstn1
1E+08	3863	28	2.10%	2.0354 9	30	2.30%	2.183 326	1700047 I17Rik2
100609	2242	28	34.75%	3.5071 81	23	33.05%	2.884 127	Nsun5
320244	4858	28	24.43%	1.6185 88	21	16.80%	1.215 301	Ttl15
gi 118129961 ref N M_138309.2	3317	28	33.34%	2.3705 45	31	37.20%	2.627 473	-
gi 149263749 ref X M_001001076.2	2644	28	38.88%	2.9739 41	26	33.74%	2.764 611	-
319670	10136	28	11.86%	0.7757 6	17	7.18%	0.471 525	Eml5
gi 145966821 ref N M_007833.4	1766	28	47.45%	4.4524 91	9	21.18%	1.432 762	-
56535	2303	28	41.68%	3.4142 85	33	35.48%	4.028 488	Pex3
101565	5024	27	22.67%	1.5092 11	21	18.09%	1.175 146	Ccp110
15233	1708	27	53.51%	4.4392 7	19	38.41%	3.127 432	Hgd
640963	1631	27	51.01%	4.6488 5	12	26.92%	2.068 471	Gm7315
320571	4474	27	17.03%	1.6947 42	1	1.10%	0.062 839	Atp8b5
27057	3546	27	8.35%	2.1382 61	17	8.23%	1.347 821	Ncoa4
1E+08	3789	27	8.89%	2.0011 28	19	10.11%	1.409 779	Gm3129
268930	2039	27	41.59%	3.7186 24	36	53.11%	4.963 721	Pkmyt1

50496	2512	27	36.07%	3.0184 21	20	34.16%	2.238 373	E2f6
13385	3339	27	27.79%	2.2708 22	24	29.32%	2.020 77	Dlg4
67027	2241	27	45.20%	3.3834 33	29	40.47%	3.638 13	Mkm2
216618	1523	27	47.21%	4.9785 12	19	40.25%	3.507 323	Ccdc104
68644	1382	27	48.70%	5.4864 5	33	58.10%	6.713 176	Abhd14a
66310	799	27	64.83%	9.4897 05	31	64.46%	10.90 78	Dpy30
54614	3182	27	33%	2.3828 64	11	13.76%	0.971 884	Prpf40b
57138	6042	27	18.72%	1.2549 28	33	21.83%	1.535 52	Slc12a5
98388	3135	27	30.18%	2.4185 88	10	14.42%	0.896 777	Chst10
14910	1230	27	54.15%	6.1644 5	44	73.41%	10.05 703	Gt(ROS A)26Sor
11692	1775	27	36.79%	4.2717 04	31	47.49%	4.910 045	Gfer
69372	1691	27	43.47%	4.4838 99	23	40.33%	3.823 898	Mocs3
237775	3412	27	34.79%	2.2222 37	14	18.43%	1.153 563	Zfp867
83485	1718	27	48.20%	4.4134 31	34	56.05%	5.563 882	Ngrn
13078	5128	27	20.94%	1.4786 03	15	11.23%	0.822 366	Cyp1b1
27388	2172	27	46.82%	3.4909 18	26	45.53%	3.365 392	Ptdss2
27998	1039	27	73.92%	7.2976 65	17	56.88%	4.599 975	Exosc5
gi 46249418 ref N M_019919.2	6712	27	12.83%	1.1296 59	39	14.94%	1.633 559	-
66598	1611	27	53.51%	4.7065 64	38	69.27%	6.631 476	3110001 I22Rik
78935	4699	27	23.24%	1.6135 93	35	23.77%	2.094 039	Saal1
gi 142350585 ref N M_026365.2	1133	27	62.31%	6.6922 1	38	60.90%	9.429 221	-
380614	6353	27	9.35%	1.1934 95	22	10.47%	0.973 567	Intu

22259	1955	27	45.88%	3.8784 01	13	23.79%	1.869 471	Nr1h3
26895	2231	27	41.91%	3.3985 99	15	27.30%	1.890 226	Cops7b
232334	1327	27	59.16%	5.7138 46	18	42.20%	3.813 5	Vgl14
68558	1774	27	45.72%	4.2741 12	25	43.35%	3.961 946	Ankra2
74270	4157	27	24.54%	1.8239 77	13	14.27%	0.879 195	Usp20
245841	787	27	55.40%	9.6344 02	33	76.24%	11.78 858	Polr2h
207592	6988	27	15.58%	1.0850 42	33	17.39%	1.327 649	Tbc1d16
380836	2035	27	47.17%	3.7259 33	20	32.78%	2.763 043	Mrs2
71562	2332	27	43.74%	3.2514 04	28	40.31%	3.375 605	Afmid
gi 149259288 ref X M_001478110.1	5096	27	11.99%	1.4878 87	11	6.93%	0.606 856	-
gi 58037140 ref N M_026937.1	1524	27	59.32%	4.9752 45	53	73.03%	9.777 167	-
239827	2184	27	44.23%	3.4717 37	15	29.26%	1.930 904	Pigz
170706	1017	27	49.95%	7.4555 3	35	65.98%	9.675 406	Tmem37
666532	2812	27	15.75%	2.6963 99	29	16.04%	2.899 378	Gm1313 9
68028	477	27	31.45%	15.895 75	40	35.22%	23.57 565	Rpl2211
319278	1683	27	45.51%	4.5052 13	23	37.91%	3.842 075	A230050 P20Rik
74097	792	27	79.67%	9.5735 78	37	80.56%	13.13 405	Pop7
56220	2068	27	22.10%	3.6664 77	21	27.56%	2.854 9	Zfp386
12896	2366	27	36.01%	3.2046 8	15	28.49%	1.782 373	Cpt2
67769	4565	27	25.26%	1.6609 58	20	16.34%	1.231 718	Gpatch2
73681	2359	27	40.27%	3.2141 9	18	24.71%	2.145 195	Trmt11
233824	2884	27	34.95%	2.6290 83	42	44.90%	4.094 267	Cog7

59005	634	27	76.66%	11.959 42	40	80.60%	17.73 752	Trappe21
109093	1880	27	49.84%	4.0331 24	31	51.86%	4.635 814	Rars2
226043	2011	27	39.78%	3.7704	26	43.21%	3.634 824	Cbwd1
72154	5304	27	19.12%	1.4295 39	17	11.71%	0.901 089	Zfp157
72151	1750	27	50.80%	4.3327 28	29	50.97%	4.658 886	Rfc5
72345	8476	27	13.01%	0.8945 58	19	9.95%	0.630 209	Fam123b
69666	564	27	75.89%	13.443 75	29	73.05%	14.45 576	Psmg4
19053	1836	27	19.23%	4.1297 79	30	26.20%	4.593 785	Ppp2cb
408022	3813	27	23.18%	1.9885 32	14	15.37%	1.032 246	Ccdc111
216853	1896	27	48.89%	3.9990 9	15	24.10%	2.224 206	Wrap53
66423	802	27	73.69%	9.4542 07	26	66.71%	9.114 253	2410022 L05Rik
67181	1615	27	14.30%	4.6949 06	10	11.08%	1.740 803	Ctdnep1
194268	2942	27	37.36%	2.5772 52	21	29.54%	2.006 775	9930104 L06Rik
69596	1568	27	54.66%	4.8356 34	18	42.09%	3.227 369	2310035 K24Rik
12015	1452	27	50.28%	5.2219 52	28	47.31%	5.421 426	Bad
192289	2264	27	30.74%	3.3490 61	24	37.19%	2.980 279	Tmlhe
100090	2226	27	45.91%	3.4062 33	31	40.25%	3.915 242	Zbtb48
85031	1994	27	38.31%	3.8025 45	10	19.21%	1.409 928	Pla1a
21379	3165	27	17.06%	2.3956 63	8	9.45%	0.710 622	Tbrg4
675812	3158	27	33.91%	2.4009 73	18	19.03%	1.602 443	Zfp605
67669	1045	27	60.10%	7.2557 65	22	63.92%	5.918 73	l7Rn6
237781	2522	27	37.59%	3.0064 53	16	25.69%	1.783 598	Smcr7

109929	1681	27	45.93%	4.5105 73	20	41.46%	3.344 91	Zbtb25
107986	1929	27	35.46%	3.9306 76	17	28.93%	2.477 643	Ddb2
70808	4136	27	22.24%	1.8332 38	19	14.68%	1.291 502	4632415 L05Rik
58234	7131	27	16.17%	1.0632 83	53	28.59%	2.089 525	Shank3
110948	4833	27	23.13%	1.5688 55	25	18.79%	1.454 271	Hlcs
66595	2755	27	36.15%	2.7521 87	22	27.04%	2.245 035	Aste1
12583	1530	27	45.95%	4.9557 35	24	49.02%	4.410 034	Cdo1
67939	2128	27	35.48%	3.5630 99	23	32.47%	3.038 634	Prorsd1
12369	2350	27	38.89%	3.2265	24	35.62%	2.871 214	Casp7
235633	5186	27	20.75%	1.4620 66	12	10.39%	0.650 535	Als2cl
gi 118130669 ref NM_019574.2	2534	27	41%	2.9922 15	19	24.27%	2.107 993	-
63873	3247	26	30.27%	2.2486 75	24	29.84%	2.078 026	Trpv4
229877	3663	26	8.33%	1.9932 98	20	6.66%	1.535 024	Rap1gds 1
71706	2421	26	43.21%	3.0158 81	10	18.01%	1.161 254	Slc46a3
12393	6463	26	16.25%	1.1297 31	18	11.82%	0.782 998	Runx2
236930	4198	26	25.92%	1.7392 68	15	15.72%	1.004 549	Ercc6l
210992	1605	26	52.34%	4.5491 89	8	19.75%	1.401 319	Lpcat1
79202	2275	26	31.91%	3.2094 28	16	28.84%	1.977 246	Tnfrsf22
665563	2256	26	38.74%	3.2364 58	16	26.51%	1.993 898	Mthfd2l
66292	423	26	52.25%	17.261 11	30	55.32%	19.93 898	Mrps2l
75593	785	26	72.23%	9.3012 09	16	63.57%	5.730 235	2410003 K15Rik
30057	527	26	74%	13.854 74	28	58.06%	14.93 721	Timm8b

67286	911	26	73%	8.0147 63	23	57.30%	7.097 928	Rab15
66132	3117	26	32.21%	2.3424 6	25	27.75%	2.254 89	1110008 L16Rik
gi 149263172 ref X M_001479478.1	4073	26	21.46%	1.7926 46	31	27.84%	2.139 781	-
12504	3095	26	29.95%	2.3591 11	6	9.50%	0.545 02	Cd4
19739	7642	26	12.04%	0.9554 37	31	14.88%	1.140 451	Rgs9
69099	1663	26	33.97%	4.3905 29	27	32.29%	4.564 504	1810009 N02Rik
15016	1733	26	13.79%	4.2131 85	34	14.37%	5.515 723	H2-Q5
72774	1170	26	63.33%	6.2405 55	17	53.76%	4.084 935	Neil1
108907	2960	26	36.08%	2.4667 06	24	33.01%	2.279 511	Nusap1
66667	4606	26	22.77%	1.5852 04	34	28.92%	2.075 282	Hspbap1
109115	1483	26	48.35%	4.9234 32	31	57.72%	5.876 824	Supt3h
66506	839	26	75.80%	8.7025 61	8	35.76%	2.680 712	Psmg3
216516	5153	26	20.80%	1.4169 32	10	8.83%	0.545 584	Ccdc157
75686	1606	26	45.14%	4.5463 57	14	34.93%	2.450 782	Nudt16
18861	3273	26	30.71%	2.2308 12	11	13.72%	0.944 863	Pms2
80707	2251	26	35.67%	3.2436 47	32	46.29%	3.996 654	Wwox
66208	658	26	57.29%	11.096 43	31	48.48%	13.24 518	Nenf
103012	5769	26	16.73%	1.2656 35	20	13.19%	0.974 656	6720401 G13Rik
13110	3595	26	28.57%	2.0310 01	20	18.78%	1.564 059	Cyp2j6
229595	3856	26	24.33%	1.8935 29	37	34.23%	2.697 658	Adamts1 4
67877	1197	26	37.68%	6.0997 9	21	27.07%	4.932 275	Naa20
24030	684	26	73.83%	10.674 63	21	58.63%	8.631 481	Mrps12

240064	4244	26	18.71%	1.7204 17	11	11.59%	0.728 684	Zfp799
15460	5599	26	18.06%	1.3040 63	10	8.41%	0.502 125	Hr
195434	3702	26	27.74%	1.9722 98	26	26.72%	1.974 509	Utp14b
66537	734	26	34.60%	9.9474 78	43	41.01%	16.47 003	Pomp
224630	1100	26	53.55%	6.6376 81	15	51.18%	3.833 723	Bnip1
12580	1119	26	54.42%	6.5249 77	18	43.97%	4.522 354	Cdkn2c
12501	1436	26	58.98%	5.0845 75	2	6.82%	0.391 559	Cd3e
17169	3388	26	7.91%	2.1550 91	18	7.91%	1.493 658	Mark3
407786	2602	26	35.63%	2.8060 91	14	20.06%	1.512 665	Taf9b
104346	1687	26	50.62%	4.3280 67	21	35.45%	3.499 664	Gas8
gi 149250319 ref X R_031205.1	1054	26	12.81%	6.9273 71	41	16.98%	10.93 617	-
66648	4040	26	21.73%	1.8072 89	36	25.97%	2.505 205	5730494 M16Rik
13661	4387	26	26.21%	1.6643 38	30	28.79%	1.922 542	Ehf
18972	1634	26	54.35%	4.4684 51	30	60.77%	5.161 683	Pold2
67713	775	26	54.84%	9.4212 25	40	62.06%	14.51 043	Dnajc19
16173	866	26	68.82%	8.4312 34	34	81.64%	11.03 782	Il18
66523	1382	26	54.49%	5.2832 48	21	50.80%	4.272 021	2810004 N23Rik
66274	5053	26	14.01%	1.4449 73	11	6.55%	0.612 02	1810012 P15Rik
330050	3082	26	34.20%	2.3690 62	25	26.90%	2.280 497	Fam185a
69809	1318	26	54.86%	5.5397 94	11	32.93%	2.346 386	1810046 K07Rik
gi 149251775 ref X M_001476529.1	1324	26	8.31%	5.5146 9	25	8.31%	5.308 528	-
77106	1869	26	33.01%	3.9066 07	20	36.38%	3.008 45	Tmem18 1a

217038	2490	26	37.75%	2.9323 09	13	18.51%	1.467 797	Mrm1
76773	1354	26	53.03%	5.3925 03	18	29.99%	3.737 455	Wdyhv1
67549	1765	26	52.24%	4.1367 98	14	31.84%	2.230 003	Gpr89
613262	1403	26	44.05%	5.2041 69	30	42.62%	6.011 539	BC0297 22
66462	657	26	79.76%	11.113 32	30	82.50%	12.83 743	2810428 I15Rik
54613	1593	26	36.35%	4.5834 58	13	29.63%	2.294 297	St3gal6
70186	635	26	77.01%	11.498 34	39	86.14%	17.26 685	Fam162a
77622	1903	26	43.83%	3.8368 1	13	28.32%	1.920 555	Apex2
14375	2113	26	41.93%	3.4554 89	22	42.12%	2.927 152	Xrcc6
70024	3510	26	28.49%	2.0801 85	29	31.11%	2.322 806	Mcm10
73694	2303	26	34.43%	3.1704 08	42	57.84%	5.127 167	2410091 C18Rik
233887	2659	26	38.51%	2.7459 38	19	26.18%	2.008 896	Zfp553
gi 163965416 ref N R_004843.1	4296	26	6.05%	1.6995 92	21	5.28%	1.374 286	-
170731	4377	26	12.34%	1.6681 4	18	6.63%	1.156 16	Mfn2
54132	1524	26	8.73%	4.7909 77	32	9.25%	5.903 195	Pdlim1
209773	4435	26	25.32%	1.6463 24	6	5.64%	0.380 347	Dennd2a
70166	1502	26	55.06%	4.8611 51	28	58.52%	5.240 952	Lipn
236727	2469	26	39.45%	2.9572 5	6	10.17%	0.683 207	Slc9a7
232539	6571	26	17.68%	1.1111 63	10	7.46%	0.427 849	Klhdc5
319293	2773	26	32.10%	2.6330 5	1	1.77%	0.101 385	A530099 J19Rik
68490	2179	26	41.62%	3.3508 26	9	19.05%	1.161 201	Zfp579
15278	2448	26	16.01%	2.9826 18	22	16.34%	2.526 582	Tfb2m

72931	784	26	26.53%	9.3130 73	46	25.89%	16.49 544	Swi5
233877	1654	26	42.32%	4.4144 19	20	41.41%	3.399 512	Kctd13
52535	1637	26	50.58%	4.4602 62	18	40.50%	3.091 334	Mettl17
72691	2049	25	40.07%	3.4263 66	5	10.40%	0.686 041	Calhm2
18194	2218	25	36.25%	3.1652 95	17	29.67%	2.154 813	Nsdhl
68074	2439	25	40.75%	2.8784 85	21	34.73%	2.420 637	A930013 F10Rik
68020	1061	25	44.77%	6.6169 88	25	58.25%	6.624 403	2810002 N01Rik
1E+08	2138	25	16.88%	3.2837 34	34	19.27%	4.470 883	Gm3718
68736	1448	25	47.38%	4.8484 97	16	37.22%	3.106 516	Tyw5
22590	972	25	62.55%	7.2228 64	28	55.86%	8.098 673	Xpa
219072	1588	25	54.09%	4.4210 48	20	40.55%	3.540 802	Haus4
64657	1125	25	63.02%	6.2405 55	31	64.62%	7.746 96	Mrps10
319370	1498	25	20.29%	4.6866 65	32	22.63%	6.005 654	Fam100b
381259	1884	25	43.79%	3.7264 46	19	39.60%	2.835 273	Tmem23 7
231830	3346	25	28.42%	2.0982 14	37	43.60%	3.108 837	Micall2
gi 146149225 ref N M_080562.4	3684	25	25.87%	1.9057 07	18	21.06%	1.373 647	-
74760	2320	25	36.21%	3.0261 31	20	34.35%	2.423 618	Rab3il1
12417	1851	25	18.48%	3.7928 82	18	19.34%	2.733 935	Cbx3
11541	1844	25	18.49%	3.8072 8	14	20.50%	2.134 466	Adora2b
269033	2291	25	37.23%	3.0644 37	17	25.36%	2.086 152	4930503 L19Rik
67623	3312	25	21.98%	2.1197 54	29	20.83%	2.461 67	Tm7sf3
65116	1312	25	49.47%	5.3510 85	23	49.31%	4.928 515	Prrg2

226418	3843	25	25.94%	1.8268 6	15	16.89%	1.097 345	Yod1
11856	5510	25	16.01%	1.2741 6	37	24.32%	1.887 871	Arhgap6
66958	1968	25	21.90%	3.5673 9	13	19.97%	1.857 122	Tmx2
74411	2906	25	27.56%	2.4159 06	9	13.49%	0.870 701	Ppapdc2
54342	2536	25	18.26%	2.7683 85	22	23.42%	2.438 909	Gnpnat1
gi 149253472 ref XM_001477161.1	1239	25	55.77%	5.6663 63	33	51.09%	7.487 981	-
69726	3769	25	19.26%	1.8627 29	16	18.12%	1.193 482	Smyd3
69151	1778	25	41%	3.9486 07	24	38.30%	3.794 911	Lzic
78928	2574	25	14.18%	2.7275 15	21	16.74%	2.293 68	Pigt
gi 168229267 ref NR_015349.1	3137	25	29.17%	2.2380 06	26	29.07%	2.330 134	-
223669	2785	25	35.40%	2.5208 7	17	23.30%	1.716 113	Zfp7
623257	2206	25	43.06%	3.1825 13	11	22.71%	1.401 875	Gm1140 0
72175	3051	25	29.30%	2.3010 9	21	24.91%	1.935 081	Mfsd8
12526	1416	25	48.02%	4.9580 68	2	6.50%	0.397 09	Cd8b1
232560	3566	25	27.76%	1.9687 67	16	18%	1.261 423	Caprin2
320495	5561	25	15.48%	1.2624 75	17	14.24%	0.859 445	Ipcf1
67676	500	25	87.20%	14.041 25	17	71.20%	9.558 748	Rpp21
52570	1419	25	45.95%	4.9475 86	9	22.69%	1.783 127	Ccdc69
22377	1338	25	50.15%	5.2471 03	24	60.31%	5.042 864	Wbp1
77721	1448	25	49.10%	4.8484 97	23	44.20%	4.465 616	Mrps5
69583	1679	25	15.66%	4.1814 32	28	20.61%	4.688 452	Tnfsf13
59053	1967	25	47.94%	3.5692 04	17	32.79%	2.429 778	Fam203a

gi 118131199 ref N M_016915.3	2903	25	30.14%	2.4184 03	25	30.69%	2.421 113	-
73827	2366	25	31.53%	2.9672 97	26	34.87%	3.089 447	Tmem19 8b
67042	1050	25	59.62%	6.6863 09	28	62.76%	7.497 058	Ift27
17965	1762	25	40.35%	3.9844 63	18	35.70%	2.872 028	Nb11
231086	1963	25	17.78%	3.5764 77	19	16.05%	2.721 168	Hadhb
1E+08	783	25	37.42%	8.9663 14	25	42.66%	8.976 362	Gm2382
230316	3062	25	30.89%	2.2928 23	16	23.25%	1.469 051	Megf9
19125	2283	25	34.03%	3.0751 75	21	40.34%	2.586 042	Prodh
66970	6656	25	14.33%	1.0547 81	19	10.71%	0.802 532	Ssbp2
66131	1211	25	54.91%	5.7973 77	18	51.53%	4.178 789	Tipin
14149	1866	25	42.66%	3.7623 92	17	37.73%	2.561 294	Fdxr
75146	2280	25	38.60%	3.0792 21	31	44.96%	3.822 513	Tmem18 0
68936	517	25	65.18%	13.579 54	35	87.62%	19.03 267	Fam165b
98766	3450	25	27.16%	2.0349 63	25	22.49%	2.037 244	Ubac1
12525	3130	25	27.03%	2.2430 11	1	1.57%	0.089 821	Cd8a
gi 133892597 ref N M_010363.3	1656	25	47.71%	4.2395 07	20	46.62%	3.395 407	-
gi 6755521 ref NM _012029.1	1695	25	54.34%	4.1419 61	15	32.45%	2.487 962	-
216152	3148	25	23.89%	2.2301 86	33	27.51%	2.947 144	BC0057 64
gi 142388432 ref N M_008748.2	2452	25	32.38%	2.8632 24	31	42.41%	3.554 376	-
19415	3225	25	30.82%	2.1769 38	9	12.37%	0.784 576	Ras11
27371	4758	25	20.77%	1.4755 41	14	11.79%	0.827 229	Sh2d2a
gi 149264378 ref X M_001478943.1	555	25	8.83%	12.649 77	20	8.83%	10.13 116	-

17472	4475	25	21.83%	1.5688 55	7	6.64%	0.439 772	Gbp4
78412	3725	25	18.31%	1.8847 31	27	16.89%	2.037 791	3110062 M04Rik
110460	2076	25	32.95%	3.3818 04	37	45.95%	5.010 678	Acat2
320148	3462	25	27.76%	2.0279 1	32	35.24%	2.598 633	B430306 N03Rik
224171	3974	25	26.42%	1.7666 39	17	16.66%	1.202 661	C330027 C09Rik
71743	2386	25	40.61%	2.9424 24	13	25.48%	1.531 775	Coasy
382207	2472	25	36.93%	2.8400 58	12	18.53%	1.364 756	Phf16
80718	6977	25	12.64%	1.0062 53	7	4.92%	0.282 066	Rab27b
74239	4359	25	23.90%	1.6106 04	10	11.24%	0.644 964	Iqce
231855	3817	25	13.75%	1.8393 04	18	14.93%	1.325 783	C330006 K01Rik
218544	2719	25	29.20%	2.5820 61	13	17.25%	1.344 176	Sgtb
75778	1730	25	50.69%	4.0581 64	17	41.45%	2.762 644	Them4
170676	6677	25	17.01%	1.0514 64	26	15.37%	1.094 748	Peg10
30949	1369	25	51.64%	5.1282 86	25	51.64%	5.134 033	Lcmt1
69934	2023	25	48.39%	3.4704 02	17	33.76%	2.362 518	Trmt10b
105278	1854	24	40.29%	3.6352 75	14	30.31%	2.122 953	Cdk20
78611	2579	24	27.26%	2.6133 38	16	22.88%	1.744 178	Btbd19
67768	1791	24	45.17%	3.7631 49	21	40.42%	3.296 445	N6amt1
13170	1678	24	38.32%	4.0165 67	40	47.79%	6.701 78	Dbp
12144	4869	24	20.05%	1.3842 27	17	14.79%	0.981 593	Blm
68053	4735	24	19.75%	1.4234	15	14.49%	0.890 622	Ubxn2b
53902	5062	24	18.67%	1.3314 5	18	14.09%	0.999 706	Rcan3

15064	2509	24	35.59%	2.6862 49	20	30.05%	2.241 05	Mr1
22337	4354	24	23.75%	1.5479 56	17	15.14%	1.097 697	Vdr
26370	1186	24	60.88%	5.6827 99	41	76.56%	9.718 993	Cetn2
226539	3581	24	25.10%	1.8821	16	15.75%	1.256 139	Dars2
15331	1254	24	23.44%	5.3746 4	29	25.44%	6.501 635	Hmgn2
227638	2449	24	38.67%	2.7520 62	19	25.89%	2.181 157	Qsox2
69556	1408	24	45.38%	4.7867 89	34	57.46%	6.788 884	Bod1
78923	3882	24	24.78%	1.7361 67	39	35.88%	2.824 432	Chsy3
209239	2652	24	33.11%	2.5414 02	7	9.99%	0.742 073	Gan
68612	931	24	71.21%	7.2393 12	36	73.36%	10.87 114	Ube2c
29819	2890	24	28.82%	2.3321 1	16	21.87%	1.556 483	Stau2
319996	4116	24	20.60%	1.6374 63	27	15.62%	1.844 211	Casc4
319371	2820	24	35.60%	2.39	13	18.79%	1.296 034	D030028 A08Rik
212391	4663	24	18.40%	1.4453 78	14	12.52%	0.844 082	Lcor
73828	2097	24	37.63%	3.2140 2	8	16.40%	1.072 54	Dcaf4
72749	4239	24	23.92%	1.5899 5	8	8.70%	0.530 577	Tonsl
432467	2170	24	26.36%	3.1058 98	15	21.71%	1.943 362	Hnmp3
214917	817	24	82.25%	8.2494 48	29	67.20%	9.979 254	Fam173a
78653	530	24	69.43%	12.716 6	39	79.25%	20.68 764	Bola3
gi 228008414 ref N M_023637.2	1882	24	39.32%	3.5811 9	20	37.09%	2.987 669	-
67454	3251	24	18.49%	2.0731 46	21	18.52%	1.816 036	Ikbip
70359	2800	24	32.50%	2.4070 71	13	20.86%	1.305 291	Gtpbp3

14148	861	24	59.23%	7.8278 74	17	54.59%	5.550 957	Fdx1
270035	2115	24	41.80%	3.1866 66	14	30.12%	1.860 972	Letm2
18628	5953	24	17.13%	1.1321 69	26	18.14%	1.227 89	Per3
16178	1360	24	61.18%	4.9557 35	21	51.99%	4.341 127	Il1r2
1E+08	1579	24	50.22%	4.2683 97	17	25.14%	3.026 836	D830025 C05Rik
gi 146198858 ref N M_183142.3	1497	24	59.59%	4.5022 04	8	25.58%	1.502 416	-
27384	1232	24	54.14%	5.4706 16	24	52.27%	5.476 747	Akr1c13
234086	1579	24	49.53%	4.2683 97	33	50.98%	5.875 623	Erich1
70025	1505	24	42.99%	4.4782 72	27	45.98%	5.043 702	Acot7
73242	2068	24	38.68%	3.2590 9	13	21.62%	1.767 319	Atat1
1E+08	3810	24	2.31%	1.7689 76	25	2.34%	1.844 748	Gm4229
66060	595	24	47.23%	11.327 39	23	67.23%	10.86 758	0610010 O12Rik
67867	2978	24	26.06%	2.2631 96	14	15.72%	1.321 677	Lrrc28
241627	4294	24	23.13%	1.5695 85	22	20.28%	1.440 399	Wdr76
gi 149269130 ref X M_001479053.1	2058	24	38.97%	3.2749 27	10	14.77%	1.366 082	-
270192	4734	24	22.01%	1.4237 01	19	16.65%	1.128 359	Rab6b
269336	1870	24	35.40%	3.6041 71	23	37.59%	3.457 867	Ccdc32
107448	3974	24	22.75%	1.6959 74	18	20.33%	1.273 406	Unc5a
73724	714	24	63.59%	9.4394 95	30	82.63%	11.81 259	Mcee
15473	1011	24	56.38%	6.6664 68	30	69.73%	8.342 423	Hrsp12
76263	930	24	76.77%	7.2470 96	21	64.62%	6.348 315	Gstk1
94352	5186	24	13.38%	1.2996 14	17	11.01%	0.921 592	Loxl2

103836	1949	24	41%	3.4580 81	18	33.76%	2.596 467	Zfp692
67657	2022	24	38.33%	3.3332 34	23	41.15%	3.197 929	Rabl3
72147	2577	24	31.82%	2.6153 66	21	20.99%	2.291 01	Zbtb46
433940	2717	24	31.95%	2.4806 03	24	34.04%	2.483 383	BC0570 22
74254	1847	24	38.77%	3.6490 52	28	49.32%	4.261 998	Gpn1
76498	2507	24	30.36%	2.6883 92	13	22.22%	1.457 844	Paqr4
243362	5638	24	13.94%	1.1954 24	22	13.85%	1.097 033	Stard13
gi 94377694 ref X R_005173.1	3889	24	20.55%	1.7330 42	24	24.97%	1.734 984	-
13641	3258	24	28.02%	2.0686 92	22	24%	1.898 426	Efnb1
223722	1893	24	38.72%	3.5603 8	11	19.65%	1.633 669	Mcat
68743	5421	24	18.54%	1.2432 76	22	17.87%	1.140 947	Anln
71445	3732	24	19.86%	1.8059 48	12	9.75%	0.903 986	5530601 H04Rik
77532	2952	24	29.71%	2.2831 3	15	24.25%	1.428 555	Jrk1
94226	2512	24	35.67%	2.6830 41	9	17.56%	1.007 268	S1pr5
106618	6068	24	17.50%	1.1107 12	23	15.47%	1.065 625	Wdr90
20589	5562	24	18.02%	1.2117 58	12	9.62%	0.606 558	Ighmbp2
58809	1837	24	39.09%	3.6689 16	15	29.45%	2.295 642	Rnase4
117171	1116	24	62.10%	6.0392 47	25	54.30%	6.297 931	1110038 F14Rik
68563	404	24	78.22%	16.682 67	23	77.72%	16.00 548	Dpm3
26404	5528	24	18.99%	1.2192 11	22	15.30%	1.118 863	Map3k1 2
58239	1394	24	40.82%	4.8348 63	22	49.07%	4.436 924	Dexi
13870	1241	24	55.28%	5.4309 42	23	49.72%	5.210 485	Ercc1

18679	6115	24	17.51%	1.1021 75	25	17.02%	1.149 385	Phka1
gi 149267123 ref X M_001477181.1	1105	24	48.33%	6.0993 66	15	40.63%	3.816 375	-
18752	2715	24	37.09%	2.4824 31	13	20.41%	1.346 157	Prkcg
243653	3268	24	28.03%	2.0623 62	57	47.55%	4.903 599	Clec1a
230696	1867	24	41.67%	3.6099 62	10	25.44%	1.505 836	AU0222 52
106877	3403	24	24.65%	1.9805 46	36	37.58%	2.974 149	Afap111
67736	2099	24	37.35%	3.2109 57	30	46.16%	4.018 194	Ccdc130
12752	2487	24	22.56%	2.7100 12	22	17.09%	2.486 961	Cln3
68603	1204	23	54.73%	5.3645 96	15	36.79%	3.502 571	Pmvk
14913	917	23	34.13%	7.0435 92	24	48.85%	7.358 072	Guca1a
56295	1873	23	14.68%	3.4484 65	34	22.42%	5.103 443	Higd1a
59050	2686	23	12.03%	2.4046 81	34	10.20%	3.558 73	Nsa2
52023	3271	23	25.86%	1.9746 18	15	20.88%	1.289 237	Pibf1
75430	799	23	57.45%	8.0838 22	19	61.95%	6.685 424	3200002 M19Rik
56368	1782	23	35.63%	3.6245 65	31	40.52%	4.890 757	Cyb561d 2
18671	4977	23	21.22%	1.2977 65	12	11.35%	0.677 853	Abcb1a
gi 241897000 ref N M_028365.1	2829	23	31.14%	2.2831 3	8	11.49%	0.795 022	-
58520	1185	23	60.93%	5.4506 11	21	43.29%	4.982 222	0610007 P14Rik
68033	778	23	76.22%	8.3020 23	23	72.11%	8.311 327	Cox19
70612	1606	23	41.84%	4.0217 77	23	44.83%	4.026 284	5730494 N06Rik
20826	1257	23	12.09%	5.1384 04	26	14.16%	5.815 14	Nhp211
70325	2677	23	31.04%	2.4127 66	22	31.90%	2.310 449	Pigw

665211	4725	23	15.56%	1.3669 79	17	13.29%	1.011 508	Gm1432 6
216011	2636	23	30.58%	2.4502 94	7	13.01%	0.746 577	Lrrc20
74694	5713	23	17.57%	1.1305 75	14	11.75%	0.688 947	Tbc1d30
gi 149274739 ref X M_914287.2	732	23	46.04%	8.8237 35	63	50.55%	24.19 645	-
66220	1194	23	53.18%	5.4095 26	15	39.78%	3.531 905	Zdhhc12
77963	4252	23	23.80%	1.5190 44	6	6.91%	0.396 716	Hook1
217216	2543	23	39.28%	2.5399 03	13	20.53%	1.437 206	BC0308 67
52592	2566	23	34.72%	2.5171 37	16	28.41%	1.753 014	Brms11
223626	1600	23	46.31%	4.0368 59	18	41.44%	3.162 821	4930572 J05Rik
56150	1725	23	34.38%	3.7443 33	23	33.28%	3.748 529	Mad211
73710	1922	23	34.03%	3.3605 48	21	30.75%	3.071 765	Tubb2b
76355	2265	23	31.13%	2.8516 44	7	6.71%	0.868 864	Tgds
74183	3849	23	23.10%	1.6780 91	26	29.41%	1.899 099	2310042 D19Rik
108853	2621	23	29.84%	2.4643 17	19	26.63%	2.038 021	Mtrf11
210104	3381	23	24.93%	1.9103 74	19	25.11%	1.579 903	Zfp658
17951	5368	23	13.28%	1.2032 37	27	12.41%	1.414 078	Naip5
26378	2051	23	27.30%	3.1491 83	26	22.28%	3.563 935	Decr2
56749	2318	23	33.22%	2.7864 43	17	28.65%	2.061 853	Dhodh
gi 198278438 ref N M_173350.2	3136	23	4.05%	2.0596 22	15	3.51%	1.344 737	-
231042	2909	23	29.98%	2.2203 42	14	20.18%	1.353 027	Nupl2
67267	473	23	77.59%	13.655 34	20	80.76%	11.88 751	2900010 M23Rik
60534	2723	23	27.73%	2.3720 07	10	17.37%	1.032 463	Fancg

68572	734	23	76.84%	8.7996 92	22	58.45%	8.426 529	Ict1
244238	3777	23	19.20%	1.7100 81	12	12.15%	0.893 216	Mrgpre
103172	948	23	50.32%	6.8132 64	17	50.32%	5.041 534	Chchd10
66515	5546	23	17.08%	1.1646 18	16	11.68%	0.811 077	Cul7
69028	1229	23	58.34%	5.2554 71	11	33.85%	2.516 303	Mitd1
230162	3010	23	28.57%	2.1458 39	28	38.44%	2.615 253	Zfp189
110350	13972	23	7.96%	0.4622 8	12	3.64%	0.241 46	Dync2h1
72136	2089	23	39.40%	3.0918 98	8	16.42%	1.076 648	Chst14
57440	3658	23	20.89%	1.7657 12	4	5.36%	0.307 424	Ehd3
1E+08	786	23	8.65%	8.2175 24	24	8.91%	8.584 417	Gm1986
gi 149257880 ref X M_001475098.1	3791	23	11.50%	1.7037 65	33	12.11%	2.447 272	-
72027	2249	23	38.33%	2.8719 32	14	24.68%	1.750 091	Slc39a4
21915	1006	23	53.68%	6.4204 51	19	49.01%	5.309 795	Dtymk
gi 40556365 ref N M_199302.1	3994	23	23.28%	1.6171 69	13	13.92%	0.915 077	-
66291	927	23	43.04%	6.9676 1	13	38.51%	3.942 627	1810030 N24Rik
68255	1251	23	52.12%	5.1630 49	11	38.69%	2.472 051	Tmem86 b
230848	7208	23	12.24%	0.8960 84	14	7.73%	0.546 054	Zbtb40
12577	1952	23	27.66%	3.3089 01	34	40.73%	4.896 9	Cdkn1c
56844	1394	23	49.71%	4.6334 1	18	46.05%	3.630 211	Tssc4
234384	955	23	62.72%	6.7633 24	17	49.01%	5.004 58	Mpv17l2
74386	3607	23	16.61%	1.7906 78	25	17.66%	1.948 57	Rmi1
211389	2349	23	42.66%	2.7496 7	10	17.62%	1.196 848	Suox

68526	4886	23	19.77%	1.3219 35	14	12.36%	0.805 558	Gpr155
59093	2175	23	33.79%	2.9696 43	16	34.76%	2.068 154	Pcbp3
16797	1260	23	46.75%	5.1261 7	3	11.67%	0.669 38	Lat
103080	2549	23	30.40%	2.5339 25	12	20.24%	1.323 529	10-Sep
67370	4736	23	18.39%	1.3638 04	22	19.81%	1.305 97	Zfp606
52633	1292	23	56.11%	4.9992 06	27	59.98%	5.875 21	Nit2
gi 118130029 ref NM_011812.3	5832	23	14.54%	1.1075 06	19	10.55%	0.915 921	-
231717	2335	23	33.70%	2.7661 56	14	23.60%	1.685 634	Fam109a
321003	3236	23	28.49%	1.9959 75	14	20.58%	1.216 303	Xpnpep3
71878	2280	23	35.44%	2.8328 83	24	37.89%	2.959 365	Fam83d
12544	2161	23	34.29%	2.9888 82	15	24.29%	1.951 455	Cdc45
gi 149255640 ref XM_001476703.1	932	23	8.91%	6.9302 3	27	9.98%	8.144 604	-
78914	2632	23	31.50%	2.4540 18	12	18.54%	1.281 792	Nadsyn1
101831	1788	23	48.43%	3.6124 02	20	42.39%	3.144 739	C230052 I12Rik
14070	2490	23	36.39%	2.5939 66	15	22.53%	1.693 612	F8a
78921	3878	23	22.69%	1.6655 43	20	19.93%	1.449 921	9130019 O22Rik
67509	2314	23	25.41%	2.7912 59	39	34.57%	4.738 309	1810063 B07Rik
56299	1173	23	71.01%	5.5063 72	13	44.84%	3.115 785	Fkbpl
382066	3408	23	26.67%	1.8952 39	9	12.94%	0.742 446	Prdm10
216858	2740	23	27.52%	2.3572 9	23	29.09%	2.359 931	Kctd11
12442	1541	23	50.36%	4.1914 17	34	59.38%	6.202 952	Ccnb2
170776	1569	23	41.36%	4.1166 18	14	25.75%	2.508 576	Cd209c

234723	1796	23	44.82%	3.5963 11	27	50.89%	4.226 487	Txn14b
67553	2633	23	38.78%	2.4530 86	16	28.22%	1.708 407	Gstcd
104884	2073	23	42.31%	3.1157 62	17	35.21%	2.305 535	Tdp1
230721	3038	23	10.66%	2.1260 61	31	12.90%	2.868 772	Pabpc4
16182	4158	23	19.31%	1.5533 85	4	4.71%	0.270 457	Il18r1
gi 153791709 ref N R_003631.1	10063	23	4.98%	0.6418 54	24	6.80%	0.670 511	-
12771	3273	23	24.72%	1.9734 11	32	35.72%	2.748 692	Ccr3
72103	3184	23	23.08%	2.0285 72	19	24.18%	1.677 655	Ap1f
gi 13324685 ref N M_024214.1	1024	23	9.38%	6.3075 92	30	9.47%	8.236 514	-
27364	3699	23	25.41%	1.7461 41	19	20.36%	1.444 08	Srr
68070	13413	23	7.60%	0.4815 46	19	6.11%	0.398 245	Pdzd2
97863	1381	23	41.78%	4.6770 27	18	35.34%	3.664 384	C78339
67880	918	23	57.84%	7.0359 2	25	64.92%	7.656 309	Dcxr
69020	1816	22	43.28%	3.4020 65	14	30.78%	2.167 376	Zfp707
74477	4332	22	22%	1.4261 66	13	14.04%	0.843 679	4933427 D14Rik
214111	5244	22	15.03%	1.1781 37	31	22.96%	1.661 962	Slc24a1
99011	2838	22	31.89%	2.1769 38	27	34.67%	2.674 69	Pomt1
24058	1990	22	38.24%	3.1045 98	6	12.36%	0.847 657	Sigirr
71941	1867	22	42.80%	3.3091 32	16	30.96%	2.409 338	Cars2
68423	2155	22	34.85%	2.8668 91	22	35.17%	2.870 103	Ankrd13 d
13134	5225	22	18.01%	1.1824 21	3	2.81%	0.161 42	Dach1
108961	3705	22	22.70%	1.6675 17	25	26.37%	1.897 029	E2f8

gi 148747236 ref NM_026693.4	651	22	33.79%	9.4902 45	22	34.87%	9.500 879	-
225283	4297	22	23.09%	1.4377 82	25	22.20%	1.635 674	Rprd1a
66078	1555	22	38.33%	3.9730 86	17	35.88%	3.073 553	Tsen34
664994	1088	22	56.07%	5.6784 46	18	51.47%	4.651 208	Isoc2a
12447	2022	22	42.78%	3.0554 64	16	31.75%	2.224 646	Ccne1
108689	1878	22	43.34%	3.2897 49	73	71.41%	10.92 822	Obfc1
54525	6834	22	13.56%	0.9040 31	22	12.25%	0.905 044	Syt7
75692	1184	22	40.20%	5.2180 31	16	25.93%	3.799 185	Nr2c2ap
20299	1815	22	46.56%	3.4039 39	19	43.31%	2.943 06	Ccl22
72776	4241	22	19.59%	1.4567 67	17	17.83%	1.126 945	Sass6
66459	5410	22	9.98%	1.1419 87	37	20.15%	1.922 767	Pigy
449521	2686	22	34.07%	2.3001 3	16	24.72%	1.674 696	Zfp213
68519	4160	22	9.83%	1.4851 32	15	8.65%	1.013 725	Eml1
66293	2014	22	35.30%	3.0676 01	28	37.24%	3.908 595	1810032 O08Rik
225289	5375	22	17.80%	1.1494 23	31	22.79%	1.621 457	AW5549 18
72128	4229	22	21.99%	1.4609 01	9	10.43%	0.598 311	2610008 E11Rik
23936	3952	22	23.41%	1.5632 97	21	22.85%	1.493 91	Lynx1
71838	1984	22	35.94%	3.1139 86	26	43.90%	3.684 29	Phf7
192970	1421	22	37.86%	4.3477 47	16	45.95%	3.165 542	Dhrs11
208922	5792	22	14.45%	1.0666 69	36	26.24%	1.747 415	Cpeb3
19891	1782	22	42.65%	3.4669 75	8	22%	1.262 131	Rpa2
244954	2525	22	27.68%	2.4467 92	9	12.04%	1.002 082	Prss35

71640	3497	22	24.56%	1.7667	14	16.13%	1.125 523	Zfp949
67235	1992	22	40.46%	3.1014 81	21	43.22%	2.963 822	Zkscan1 4
15574	4581	22	19.10%	1.3486 46	18	16.83%	1.104 675	Hus1
56707	7134	22	12.78%	0.8660 15	19	11.44%	0.748 76	Zfp111
13436	4327	22	21.33%	1.4278 14	11	9.64%	0.714 707	Dnmt3b
233199	3624	22	23.10%	1.7047 87	10	12.61%	0.775 772	Mybpc2
66230	738	22	56.50%	8.3714 76	26	77.10%	9.904 649	Mrps28
67131	2081	22	33.35%	2.9688 37	22	37.82%	2.972 164	Acbd4
102032	1476	22	44.38%	4.1857 38	21	38.48%	3.999 955	AI31680 7
68202	549	22	71.95%	11.253 46	35	73.77%	17.92 329	Ndufa5
24000	5697	22	16.45%	1.0844 57	10	7.78%	0.493 487	Ptpn21
67150	952	22	45.69%	6.4896 52	8	25.53%	2.362 518	Rnf141
107686	508	22	49.21%	12.161 71	34	67.13%	18.81 643	Snrpd2
68106	1427	22	36.51%	4.3294 67	30	32.73%	5.910 434	Nt5c3l
270106	794	22	9.07%	7.7810 44	42	9.19%	14.87 137	Rpl13
319587	510	22	39.61%	12.114 02	12	30.39%	6.615 051	4930539 J05Rik
69961	839	22	72.23%	7.3637 06	9	38.74%	3.015 801	2810432 D09Rik
52856	1699	22	43.20%	3.6363 44	10	27.78%	1.654 736	Gtpbp5
56278	1547	22	40.85%	3.9936 32	18	36.01%	3.271 179	Gkap1
102774	2542	22	31.04%	2.4304 28	12	19.35%	1.327 174	Bbs4
72787	2576	22	31.02%	2.3983 5	24	30.90%	2.619 314	Tmem48
80515	1779	22	41.60%	3.4728 21	10	21.25%	1.580 324	A030009 H04Rik

73225	2560	22	24.02%	2.4133 4	9	11.09%	0.988 382	Fam118a
106821	1135	22	48.28%	5.4433 03	25	49.52%	6.192 504	AI31497 6
319317	5864	22	15.33%	1.0535 73	23	15.57%	1.102 696	Snhg11
50776	1585	22	43.22%	3.8978 86	18	35.77%	3.192 753	Polg2
59009	5199	22	17.62%	1.1883 34	16	12.50%	0.865 211	Sh3rf1
433323	3998	22	21.14%	1.5453 1	12	7.25%	0.843 841	Sgpp2
68169	4684	22	22.16%	1.3189 9	5	4.82%	0.300 106	Ndnf
gi 149268619 ref X M_139814.9	3149	22	20.58%	1.9619 4	15	14.89%	1.339 185	-
59002	1600	22	47.06%	3.8613 43	18	38.19%	3.162 821	Wdr8
67871	2251	22	23.72%	2.7446 24	19	20.39%	2.373 014	Mrrf
73833	1285	22	43.04%	4.8078 98	24	48.40%	5.250 857	Fam98c
211556	2391	22	27.31%	2.5839 19	24	25.05%	2.821 979	Ap1ar
16159	1303	22	45.74%	4.7414 81	14	36.07%	3.020 687	Il12a
72502	3581	22	22.01%	1.7252 58	16	15.69%	1.256 139	Cwf1911
638247	3162	22	21.22%	1.9538 74	15	16.54%	1.333 68	9530082 P21Rik
69226	1948	22	37.27%	3.1715 34	18	35.32%	2.597 8	Snx24
104111	4727	22	18.49%	1.3069 92	11	8.78%	0.654 228	Adcy3
67861	1341	22	56.15%	4.6071 21	18	47.50%	3.773 687	Akr1b10
68026	2387	22	28.03%	2.5882 49	18	27.78%	2.120 031	2810417 H13Rik
140497	1139	22	44.42%	5.4241 87	4	17.21%	0.987 321	AF25170 5
83430	1359	22	40.77%	4.5460 99	38	65.78%	7.861 153	Il23a
239099	5788	22	17.16%	1.0674 07	9	5.63%	0.437 156	Homez

56405	1443	22	50.03%	4.2814 62	48	68.47%	9.351 839	Dusp14
22751	2632	22	32.71%	2.3473 21	17	24.77%	1.815 872	Zfp90
224613	2509	22	34.64%	2.4623 95	23	35.03%	2.577 207	Flywch1
57444	1098	22	59.47%	5.6267 3	30	75.68%	7.681 412	Isg20
58245	2877	22	26.21%	2.1474 28	20	21.24%	1.954 395	Gpr180
67873	2149	22	35.97%	2.8748 95	10	21.08%	1.308 235	Mri1
71591	3514	22	26.72%	1.7581 53	8	11.16%	0.640 045	Zfp251
67161	3020	22	29.07%	2.0457 45	14	21.16%	1.303 296	Sc1t1
27059	6414	22	14.83%	0.9632 29	18	12.68%	0.788 979	Sh3d19
232339	5704	22	15.06%	1.0831 26	10	7.73%	0.492 882	Ankrd26
225895	2366	22	21.22%	2.6112 21	19	21.34%	2.257 673	Taf6l
71131	3637	22	20.68%	1.6986 94	16	14.93%	1.236 798	Zfp689
66495	532	22	61.28%	11.613 06	54	75.75%	28.53 673	Ndufb3
79059	724	22	64.78%	8.5333 55	22	61.46%	8.542 918	Nme3
gi 114145468 ref NM_018831.3	4094	22	21.03%	1.5090 74	12	12.04%	0.824 054	-
224805	3368	22	25.42%	1.8343 67	22	27.61%	1.836 423	Aars2
gi 149274182 ref XM_001479896.1	552	22	46.56%	11.192 3	9	33.15%	4.583 799	-
233081	903	22	74.31%	6.8418 04	12	40.75%	3.736 075	Ffar1
56772	2514	22	33.65%	2.4574 98	17	26.69%	1.901 104	Mllt11
280408	1489	22	41.44%	4.1491 94	16	39.15%	3.020 977	Rilp
gi 141802243 ref NM_011221.2	1145	22	51.44%	5.3957 63	21	51.09%	5.156 273	-
1E+08	2129	22	24.99%	2.9019 02	10	16.53%	1.320 524	Gm3065

105611	2100	22	9.81%	2.9419 76	7	7.95%	0.937 132	AU0400 96
271981	3396	22	27.97%	1.8192 43	11	15.25%	0.910 641	Tbck
67096	1950	22	40.67%	3.1682 82	23	38.87%	3.316 006	Mmachc
17075	2061	22	32.07%	2.9976 46	13	24.11%	1.773 321	Epcam
1E+08	2987	22	26.82%	2.0683 46	10	13.06%	0.941 211	Pydc3
28036	2135	21	17%	2.7622 13	36	23.56%	4.740 528	Larp7
20863	412	21	83.50%	14.313 89	10	67.96%	6.823 778	Stfa3
80915	1413	21	56.33%	4.1736 19	15	39.07%	2.984 497	Dusp12
68201	2097	21	26.70%	2.8122 67	13	26.90%	1.742 878	Ccdc34
329152	11179	21	8.79%	0.5275 36	12	5.26%	0.301 787	Hecw2
101113	1520	21	45.20%	3.8798 19	14	38.75%	2.589 444	Snx21
71956	1959	21	40.79%	3.0103 75	14	26.49%	2.009 166	Rnf135
101197	2776	21	28.53%	2.1243 96	8	14.12%	0.810 201	Zfp956
72621	1015	21	62.76%	5.8101 72	38	80%	10.52 543	Pdzd11
240041	6618	21	8.92%	0.8911 04	24	8.48%	1.019 545	Zfp945
21942	2134	21	30.79%	2.7635 07	25	36.79%	3.293 576	Tnfrsf9
68198	455	21	69.89%	12.961 15	29	83.52%	17.91 879	Ndufb2
gi 110625689 ref NM_023042.2	2865	21	32.60%	2.0584 03	15	23.18%	1.471 935	-
68789	2622	21	24.18%	2.2491 7	11	14.65%	1.179 457	Trmt61b
218232	4329	21	19.27%	1.3622 83	5	5.52%	0.324 717	Ptpdc1
64010	2524	21	8.84%	2.3364 99	12	10.50%	1.336 639	Sav1
105844	4748	21	18.24%	1.2420 65	10	9.69%	0.592 122	Card10

68980	1409	21	43.15%	4.1854 68	18	39.39%	3.591 564	Wdr53
76832	1643	21	48.63%	3.5893 63	41	60.01%	7.015 658	Hyls1
gi 118131165 ref N M_016765.2	1254	21	56.06%	4.7028 1	30	66.19%	6.725 829	-
94064	828	21	57.13%	7.1223 72	22	52.78%	7.469 894	Mrpl27
70796	2054	21	40.12%	2.8711 41	18	27.56%	2.463 736	Zdhhc1
98402	3673	21	25.48%	1.6055 88	32	35.42%	2.449 352	Sh3bp4
18604	2279	21	35.81%	2.5876 81	16	28.35%	1.973 776	Pdk2
106042	4085	21	21.03%	1.4436 53	15	16.06%	1.032 337	Prickle1
101351	3205	21	26.77%	1.8400 39	18	22%	1.578 943	Eogt
233058	3334	21	23.04%	1.7688 43	10	14.70%	0.843 25	Zfp420
gi 169259766 ref N M_031162.3	1358	21	32.99%	4.3426 54	2	7.22%	0.414 05	-
24051	3727	21	25.22%	1.5823 25	17	17.39%	1.282 365	Sgcb
22365	2643	21	27.88%	2.2312 99	17	27.96%	1.808 314	Vps45
gi 149268252 ref X M_001473631.1	1902	21	25.29%	3.1005 91	13	13.77%	1.921 564	-
76563	1970	21	43.76%	2.9935 66	7	12.23%	0.998 973	Qrs11
83396	3619	21	21.86%	1.6295 45	9	10.14%	0.699 159	Glis2
29877	5868	21	14.52%	1.0049 97	24	12.78%	1.149 855	Hdgfrp3
384864	1122	21	41.71%	5.2560 82	18	43.76%	4.510 262	Gm1943
22700	4079	21	23.12%	1.4457 77	13	15.54%	0.896 008	Zfp40
319266	3792	21	23.95%	1.5552 02	16	20.46%	1.186 243	A130010 J15Rik
58208	7923	21	12.37%	0.7443 3	2	1.24%	0.070 968	Bcl11b
66665	1745	21	44.18%	3.3795 55	30	53.41%	4.833 347	5730528 L13Rik

76816	2619	21	31.73%	2.2517 47	32	34.98%	3.435 078	Sdccag8
14680	5616	21	11%	1.0500 93	11	8.01%	0.550 665	Gnal
gi 142370490 ref N M_177777.4	2230	21	32.02%	2.6445 4	27	39.78%	3.403 933	-
230752	1363	21	51.65%	4.3267 24	31	55.61%	6.394 226	Fam176b
77832	2886	21	26.78%	2.0434 25	20	27.69%	1.948 3	Tchp
18441	3886	21	22.54%	1.5175 82	16	18.22%	1.157 549	P2ry1
142980	4327	21	20.71%	1.3629 13	9	9.11%	0.584 76	Tlr3
665378	1621	21	23.81%	3.6380 78	17	16.72%	2.948 411	Gm7609
66440	794	21	42.32%	7.4273 6	13	40.18%	4.603 042	Cdc26
79554	2662	21	30.05%	2.2153 73	22	33.58%	2.323 468	Gltpd1
17132	3642	21	13.18%	1.6192 54	23	11.31%	1.775 456	Maf
320662	2534	21	36.54%	2.3272 79	17	27.98%	1.886 099	Casc1
gi 149262588 ref X M_001473299.1	3531	21	7.53%	1.6701 57	18	7.17%	1.433 167	-
234854	1661	21	35.40%	3.5504 66	26	37.45%	4.400 741	Cdk10
56626	2336	21	33.90%	2.5245 39	12	17.34%	1.444 211	Poll
171543	4654	21	17.28%	1.2671 52	7	6.32%	0.422 857	Bmf
gi 149274944 ref X R_033433.1	3709	21	9.30%	1.5900 04	38	12.40%	2.880 374	-
gi 22779908 ref N M_152815.1	2227	21	37.81%	2.6481 02	16	27.57%	2.019 863	-
68870	1584	21	44.95%	3.7230 58	29	56.44%	5.147 128	Ak8
22051	1760	21	34.60%	3.3507 52	15	25.11%	2.396 077	Trip6
22596	2571	21	29.64%	2.2937 86	16	21.43%	1.749 605	Xrcc5
20541	18599	21	4.84%	0.3170 77	46	9.33%	0.695 329	Slc8a1

14635	1506	21	41.97%	3.9158 86	27	50.07%	5.040 352	Galk1
12236	3669	21	25.78%	1.6073 38	8	10.68%	0.613 006	Bub1b
117160	3456	21	25.98%	1.7064 02	16	17.48%	1.301 573	Ttyh2
225994	1637	21	38.85%	3.6025 19	45	32.38%	7.728 335	Nmrk1
gi 149258218 reflX M_001472251.1	2115	21	22.70%	2.7883 33	12	17.59%	1.595 119	-
404710	5676	21	15.59%	1.0389 93	21	14.66%	1.040 157	Iqgap3
101809	4094	21	21.13%	1.4404 8	14	14.80%	0.961 396	Spred3
71820	1812	21	34.38%	3.2545 94	15	17.05%	2.327 315	Wdr34
66184	941	21	65.04%	6.2670 82	21	47.29%	6.274 105	Rps4y2
1E+08	5143	21	16.76%	1.1466 7	35	21.04%	1.913 258	Gm2353
380855	2046	21	31.87%	2.8823 68	30	41.45%	4.122 282	Rsl1
18973	7167	21	12.88%	0.8228 44	23	12.96%	0.902 22	Pole
68867	3556	21	19.01%	1.6584 15	17	20.30%	1.344 031	Rnf122
234664	1808	21	10.40%	3.2617 94	18	9.62%	2.798 957	Nae1
381560	4238	21	20.20%	1.3915 35	11	11.11%	0.729 716	Xkr8
67279	1179	21	30.70%	5.0019 71	8	19.17%	1.907 648	Med31
17117	2575	21	25.17%	2.2902 23	10	18.83%	1.091 805	Amacr
56078	3465	21	22.91%	1.7019 69	17	17.37%	1.379 329	Car5b
67708	4420	21	18.53%	1.3342 36	12	13.30%	0.763 275	Pcnx14
83382	1849	21	36.72%	3.1894 67	31	60.57%	4.713 537	Siglece
68916	2538	21	31.84%	2.3236 11	29	40.19%	3.212 392	Cdkal1
16987	3192	21	25.94%	1.8475 33	13	16.10%	1.144 992	Lss

57431	841	21	68.73%	7.0122 76	19	62.90%	6.351 55	Dnajc4
74325	1576	21	16.62%	3.7419 57	36	17.01%	6.421 972	Cltb
14231	898	21	64.59%	6.5671 76	19	41.98%	5.948 389	Fkbp7
74455	3042	20	24.42%	1.8463 18	18	24.95%	1.663 548	Nsun6
214932	1925	20	37.82%	2.9176 62	24	42.96%	3.505 118	Cecr5
69156	2241	20	27.80%	2.5062 47	23	29.72%	2.885 414	Comtd1
26408	5393	20	6.01%	1.0414 42	31	7.95%	1.616 045	Map3k5
76267	3474	20	23.58%	1.6167 24	9	12.69%	0.728 341	Fads1
gi 149269057 ref X M_001475747.1	985	20	32.89%	5.7020 3	17	28.02%	4.852 157	-
223665	1836	20	37.91%	3.0590 95	14	26.80%	2.143 766	C030006 K11Rik
gi 149261488 ref X R_034617.1	3277	20	20.96%	1.7139 15	41	32.77%	3.517 463	-
17259	1378	20	59%	4.0758 34	25	52.83%	5.100 502	Mef2b
71843	1743	20	44.87%	3.2223 17	11	23.69%	1.774 261	R3hcc1
16570	6849	20	11.86%	0.8200 47	19	10.54%	0.779 917	Kif3c
22064	4150	20	15.23%	1.3533 73	7	6.36%	0.474 211	Trpc2
gi 27754059 ref N M_026442.2	499	20	66.33%	11.255 51	26	84.57%	14.64 856	-
380755	1213	20	49.96%	4.6302 55	17	47.32%	3.940 127	Gm889
67330	686	20	52.77%	8.1873 17	11	51.60%	4.508 07	1700047 M11Rik
12662	4867	20	9.84%	1.1539 96	21	13.52%	1.213 054	Chm
227697	2126	20	28.17%	2.6418 15	17	33.91%	2.248 059	Dolk
18102	1235	20	20.73%	4.5477 73	25	25.51%	5.691 086	Nme1
56327	869	20	75.14%	6.4631 75	23	62.72%	7.440 981	Arl2

67851	898	20	69.60%	6.2544 54	26	75.61%	8.139 901	1700021 F05Rik
212937	3498	20	24.10%	1.6056 32	3	4%	0.241 115	Tifab
17761	3891	20	19.87%	1.4434 59	22	17.42%	1.589 584	Mtap7
66627	1548	20	43.28%	3.6282 29	14	40.89%	2.542 607	Ogfod2
17215	2886	20	16.25%	1.9461 19	28	21.41%	2.727 62	Mcm3
68499	620	20	70.32%	9.0588 7	14	63.87%	6.348 315	Mrpl53
gi 262050628 ref N M_172611.3	4103	20	9.72%	1.3688 76	14	9.38%	0.959 287	-
96979	1969	20	34.43%	2.8524 63	17	32.25%	2.427 31	Ptges2
71746	2550	20	30.16%	2.2025 49	23	33.29%	2.535 769	Rgl3
216856	5034	20	14.98%	1.1157 13	11	10.71%	0.614 33	Nlgn2
gi 149258840 ref X M_910524.3	2291	20	31.82%	2.4515 49	10	21.39%	1.227 148	-
gi 149255594 ref X M_001476600.1	522	20	22.41%	10.759 58	2	18.77%	1.077 163	-
19012	1414	20	32.18%	3.9720 65	21	41.23%	4.175 342	Ppap2a
319772	2006	20	41.08%	2.7998 5	5	9.82%	0.700 747	C130050 O18Rik
11629	875	20	53.37%	6.4188 56	8	27.09%	2.570 42	Aif1
22689	3529	20	25.56%	1.5915 27	17	20.06%	1.354 314	Zfp27
gi 146135045 ref N M_025368.3	853	20	66.82%	6.5844 07	19	69.64%	6.262 196	-
380608	2358	20	24.72%	2.3818 91	14	14.76%	1.669 192	Tagap1
14958	2304	20	31.64%	2.4377 17	17	24.96%	2.074 381	H1f0
73212	1481	20	39.03%	3.7923 7	23	40.11%	4.366 112	3110082 I17Rik
319822	3517	20	20.67%	1.5969 57	13	11.15%	1.039 186	Smyd4
17193	3584	20	21.51%	1.5671 04	16	18.08%	1.255 088	Mbd4

20775	2748	20	28.93%	2.0438 5	31	35.88%	3.171 517	Sqle
97064	4767	20	17.71%	1.1782 04	22	19.43%	1.297 477	Wwtr1
13445	1283	20	18.71%	4.3776 3	16	15.43%	3.506 029	Cdk2ap1
246782	1885	20	20.90%	2.9795 75	11	14.38%	1.640 603	Atpaf2
56043	1729	20	41.82%	3.2484 09	23	34.07%	3.739 857	Akr1e1
403178	3484	20	23.48%	1.6120 84	19	20.78%	1.533 196	Plcx1
66202	3361	20	17.35%	1.6710 8	15	14.73%	1.254 714	1110059 G10Rik
66483	525	20	25.52%	10.698 09	27	29.14%	14.45 861	Rpl36al
108902	2035	20	38.72%	2.7599 5	21	40.64%	2.901 196	B3gnt1
gi 149252894 ref X M_001471935.1	2518	20	5.84%	2.2305 4	28	5.84%	3.126 255	-
217707	1602	20	43.88%	3.5059 3	16	29.21%	2.807 887	Coq6
17828	1791	20	38.08%	3.1359 57	18	40.98%	2.825 524	Bloc1s5
110198	1648	20	42.48%	3.4080 7	22	43.75%	3.753 078	Akr7a5
72469	3031	20	28.70%	1.8530 19	23	33.49%	2.133 359	Plcd3
109361	3607	20	21.85%	1.5571 11	13	14.14%	1.013 256	D730005 E14Rik
227622	997	20	62.39%	5.6333 99	22	56.07%	6.203 684	BC0292 14
50784	1646	20	45.20%	3.4122 11	37	57.65%	6.319 664	Ppap2c
20401	1913	20	25.98%	2.9359 64	16	26.82%	2.351 403	Sh3bp1
330450	3397	20	15.96%	1.6533 7	17	14.87%	1.406 94	Far2
gi 253970493 ref N M_181040.3	2136	20	37.31%	2.6294 47	13	22.47%	1.711 056	-
56504	1983	20	31.37%	2.8323 24	12	25.16%	1.701 299	Srpk3
67062	3208	20	27.84%	1.7507 79	12	17.21%	1.051 645	Mcart6

68971	1183	20	51.73%	4.7476 75	23	51.39%	5.465 944	Tamm41
53858	2104	20	37.17%	2.6694 39	13	24.57%	1.737 08	Rwdd2b
72355	1070	20	40.37%	5.2490 65	9	33.08%	2.364 726	Cdpf1
666395	749	20	11.88%	7.4986 64	21	9.21%	7.882 42	Gm8081
23845	3820	20	21.13%	1.4702 88	41	27.28%	3.017 468	Clec5a
76967	5763	20	13.83%	0.9745 79	17	9.73%	0.829 321	2700049 A03Rik
70118	1134	20	35.36%	4.9528 21	31	51.41%	7.685 476	Srrd
67015	2477	20	28.74%	2.2674 6	22	35.45%	2.497 001	Ccdc91
103850	1306	20	45.10%	4.3005 35	14	37.14%	3.013 748	Nt5m
105841	5299	20	16.51%	1.0599 17	8	7.28%	0.424 442	Dennd3
210172	3352	20	26.37%	1.6755 67	14	17.87%	1.174 211	Zfp526
319583	4081	20	20.19%	1.3762 56	15	16.10%	1.033 348	Lig4
53871	2461	20	4.47%	2.2822 02	14	1.99%	1.599 332	Pkd2l2
233571	1917	20	38.13%	2.9298 38	46	60.93%	6.746 179	P2ry6
22598	4314	20	2.02%	1.3019 24	15	1.83%	0.977 537	Slc6a18
110385	3203	20	22.17%	1.7535 12	19	21.26%	1.667 703	Pde4c
14885	1613	20	49.41%	3.4820 21	25	51.46%	4.357 403	Gtf2h4
77032	1612	20	42.56%	3.4841 81	18	37.22%	3.139 277	2610029 I01Rik
gi 149234293 reflX R_034075.1	1621	20	6.05%	3.4648 36	12	6.05%	2.081 231	-
1E+08	4466	20	19.26%	1.2576 13	14	14.58%	0.881 316	Ppp4r1l- ps
75894	2334	20	35.78%	2.4063 84	14	21.68%	1.686 356	Adal
219228	9509	20	9.20%	0.5906 51	20	9.84%	0.591 313	Pcdh17

224814	5472	20	14.04%	1.0264 07	20	14.66%	1.027 557	Abcc10
208777	4474	20	19.36%	1.2553 64	15	16.43%	0.942 578	Sned1
208691	4992	20	16.79%	1.1251	9	6.35%	0.506 862	Eif5a2
74568	1702	20	41.83%	3.2999 41	24	51.82%	3.964 367	Mlk1
73737	674	20	58.16%	8.3330 85	25	78.19%	10.42 803	1110008 P14Rik
15042	2182	20	25.85%	2.5740 14	32	36.71%	4.123 038	H2-T24
68487	2614	20	11.55%	2.1486 23	8	9.76%	0.860 412	Tmem14 0
98366	2259	20	12.26%	2.4862 77	15	7.70%	1.866 797	Smad1
83815	1442	19	49.31%	3.7001 9	27	59.15%	5.264 057	Cenpq
243912	1383	19	42.73%	3.8580 44	15	36.51%	3.049 237	Hspb6
399566	2075	19	31.66%	2.5714 09	7	16.34%	0.948 423	Btbd6
74735	1439	19	45.59%	3.7079 04	6	20.43%	1.172 229	Trim14
gi 149245215 ref X M_001471982.1	518	19	18.92%	10.300 53	26	19.11%	14.11 126	-
12507	2069	19	35.67%	2.5788 66	3	5.85%	0.407 646	Cd5
217265	8339	19	10.68%	0.6398 46	10	5.88%	0.337 138	Abca5
67158	2810	19	23.42%	1.8988 16	12	16.23%	1.200 596	Sft2d3
gi 149257068 ref X M_001474723.1	5504	19	7.41%	0.9694 18	11	2.47%	0.561 871	-
212679	2882	19	24.81%	1.8513 79	13	20.89%	1.268 153	Mars2
27007	3262	19	22.19%	1.6357 06	6	9.01%	0.517 118	Klrl1
67260	3668	19	24.05%	1.4546 55	13	16.09%	0.996 406	Lass4
14085	1597	19	46.34%	3.3410 61	7	20.66%	1.232 297	Fah
230027	2613	19	25.79%	2.0419 73	10	14.43%	1.075 927	Coq3

gi 149268446 ref X M_001477026.1	4360	19	1.24%	1.2237 79	37	2.41%	2.385 818	-
218977	4297	19	17.52%	1.2417 21	18	14.68%	1.177 685	Dlgap5
66082	2018	19	31.32%	2.6440 41	8	16.06%	1.114 528	Abhd6
171567	2382	19	21.83%	2.2399 98	20	19.98%	2.360 535	Nme7
98256	2512	19	28.78%	2.1240 74	10	16.12%	1.119 187	Kmo
74319	1055	19	47.49%	5.0575 11	13	39.15%	3.464 28	Mettl23
106639	2174	19	35.97%	2.4543 12	20	34.04%	2.586 381	Vmac
270210	6353	19	12.32%	0.8398 67	24	15.41%	1.062 073	Zfp651
67607	3833	19	19.78%	1.3920 36	14	14.11%	1.026 86	Zfp788
67311	1392	19	53.09%	3.8330 99	16	42.03%	3.231 49	Nanp
215951	2530	19	29.84%	2.1089 62	13	22.17%	1.444 591	Lace1
73229	4367	19	18.85%	1.2218 17	13	13.46%	0.836 917	3110052 M02Rik
280411	2509	19	28.14%	2.1266 14	15	24.83%	1.680 787	Lix11
229011	2208	19	28.44%	2.4165 19	8	17.44%	1.018 622	Samd10
271842	5135	19	15.38%	1.0390 8	24	20.06%	1.313 993	Rpusd2
56542	6712	19	12.71%	0.7949 46	22	14.81%	0.921 495	Ick
433931	3657	19	19.80%	1.4590 3	15	16.02%	1.153 157	Pigg
214642	4898	19	15.48%	1.0893 58	41	26.73%	2.353 354	A430107 O13Rik
75079	2985	19	26.57%	1.7874 96	14	20.34%	1.318 578	Zbtb49
17755	11852	19	7.84%	0.4501 92	26	10.59%	0.616 742	Mtap1b
70839	2338	19	33.28%	2.2821 53	25	33.19%	3.006 198	P2ry12
230979	893	19	65.73%	5.9749 99	15	49.16%	4.722 391	Tnfrsf14

70484	2276	19	28.16%	2.3443 21	10	16.65%	1.235 236	Slc35d2
246293	3163	19	24.47%	1.6869 03	16	22.38%	1.422 142	Klhl8
gi 149274237 ref XR_035054.1	504	19	46.23%	10.586 66	19	46.43%	10.59 852	-
66253	1054	19	54.17%	5.0623 1	24	59.58%	6.401 662	Aig1
381232	5292	19	16.52%	1.0082 53	17	12.41%	0.903 132	5830416 P10Rik
102747	3000	19	26.37%	1.7785 58	13	17.40%	1.218 272	Lrrc49
gi 149261457 ref XM_001479852.1	1014	19	9.07%	5.2620 06	20	6.61%	5.545 161	-
15201	3039	19	26.29%	1.7557 34	7	11.29%	0.647 574	Hells
170728	2981	19	24.76%	1.7898 94	11	17.51%	1.037 416	Rtn4ip1
14000	4584	19	12.76%	1.1639 78	23	16.86%	1.410 605	Drosha
30056	1035	19	52.66%	5.1552 41	19	52.56%	5.161 018	Timm9
19075	1533	19	33.46%	3.4805 44	17	43.90%	3.117 661	Prim1
629945	4813	19	9.20%	1.1085 96	22	11.70%	1.285 076	Gm1166 9
68259	4090	19	18.34%	1.3045 66	15	14.72%	1.031 075	Ift80
574428	2801	19	29.99%	1.9049 18	11	18.06%	1.104 083	Zmynd1 5
320253	1754	19	25.60%	3.0420 04	18	32.33%	2.885 128	3-Mar
72562	574	19	74.74%	9.2956	31	73.34%	15.18 35	Pcbd2
18294	1556	19	42.99%	3.4290 97	12	30.40%	2.168 172	Ogg1
72050	2324	19	33.26%	2.2959 01	32	37.01%	3.871 114	Kdelc1
69917	1106	19	33.27%	4.8242 99	18	31.19%	4.575 51	Nabp2
74107	2761	19	28.94%	1.9325 15	6	9.09%	0.610 952	Cep55
21946	681	19	46.70%	7.8350 58	19	42%	7.843 838	Pglyrp1

19249	8298	19	10.27%	0.6430 07	17	8.33%	0.575 967	Ptpn13
72657	697	19	79.20%	7.6552	14	67.72%	5.646 995	2700094 K13Rik
18655	1816	19	5.12%	2.9381 47	18	7.82%	2.786 627	Pgk1
1E+08	3581	19	20.13%	1.4899 96	9	10.95%	0.706 578	9130023 H24Rik
667232	422	19	66.59%	12.643 78	40	81.04%	26.64 831	Gm8528
212986	3824	19	3.84%	1.3953 12	29	12.24%	2.132 074	Scfd2
67416	3790	19	21.40%	1.4078 3	10	11.79%	0.741 793	Armcx2
269344	1745	19	45.85%	3.0576 93	12	28.48%	1.933 339	Ell3
1E+08	4513	19	8.09%	1.1822 9	8	6.07%	0.498 364	Gm2060 5
77652	3755	19	19.52%	1.4209 52	12	12.94%	0.898 449	Zfp955a
72307	1232	19	53.33%	4.3309 04	12	42.05%	2.738 373	2510002 D24Rik
381810	1458	19	47.81%	3.6595 85	6	20.16%	1.156 953	Lpar5
66496	797	19	35.13%	6.6946 98	28	38.52%	9.876 927	Pdpdf
74147	3010	19	26.11%	1.7726 49	12	17.84%	1.120 823	Ehhadh
67249	2688	19	25.26%	1.9849 98	20	30.77%	2.091 813	Tbc1d19
72133	4300	19	18.26%	1.2408 54	6	5.70%	0.392 288	Trub1
232337	1114	19	41.65%	4.7896 54	8	26.12%	2.018 956	Zfp637
246102	7280	19	12.40%	0.7329 22	18	11.83%	0.695 126	Rttn
56409	2171	19	19.99%	2.4577 03	19	18.38%	2.460 458	Nudt3
28077	862	19	26.22%	6.1898 77	18	26.57%	5.870 666	Med10
214505	1234	19	27.15%	4.3238 85	22	29.74%	5.012 214	Gnptg
1E+08	1603	19	31%	3.3285 55	31	27.57%	5.436 887	Gm4549

66929	1599	19	41.40%	3.3368 82	20	51.03%	3.516 444	Asf1b
12812	2609	19	27.67%	2.0451 03	14	23.38%	1.508 607	Coil
66257	2103	19	34.57%	2.5371 73	5	11.65%	0.668 425	Nicn1
71994	2003	19	17.77%	2.6638 41	7	10.78%	0.982 515	Cnn3
gi 149234010 ref X M_001474453.1	2633	19	11.32%	2.0264 62	22	15.38%	2.349 059	-
234358	2996	19	24.47%	1.7809 33	6	8.78%	0.563 03	Zfp930
218772	2789	19	30.05%	1.9131 14	30	40.41%	3.024 091	Rarb
13982	4319	19	17.64%	1.2353 96	15	15.67%	0.976 405	Esrl
243813	1690	19	35.98%	3.1572 04	16	33.02%	2.661 677	Leng9
78252	3368	19	24.23%	1.5842 26	12	15.05%	1.001 685	Nxpe2
16069	2111	19	32.26%	2.5275 58	7	14.26%	0.932 249	Igj
78251	3970	19	21.36%	1.3439 99	6	7.41%	0.424 896	Zfp712
gi 20149747 ref N M_138665.1	3093	19	25.64%	1.7250 81	14	19.08%	1.272 536	-
228966	3267	19	22.83%	1.6332 03	18	20.29%	1.548 979	Ppp1r3d
18845	11049	19	8.32%	0.4829 1	4	1.77%	0.101 779	Plxna2
70317	2023	19	37.86%	2.6375 06	19	30.85%	2.640 461	Arl16
17129	6988	19	7.86%	0.7635 48	17	6.57%	0.683 94	Smad5
gi 149269367 ref X M_001479252.1	2269	19	30.59%	2.3515 53	21	30.94%	2.601 998	-
67290	857	19	44.34%	6.2259 91	11	40.61%	3.608 56	3110040 N11Rik
320554	3512	19	22.21%	1.5192 69	10	10.85%	0.800 512	Tcp1111
328830	1900	19	41.68%	2.8082 5	25	44.89%	3.699 206	A530064 D06Rik
66118	1064	19	19.55%	5.0147 31	20	15.70%	5.284 58	Sarnp

gi 256985206 ref N M_213616.3	6284	19	12%	0.8490 89	11	7.80%	0.492 129	-
18710	5004	19	16.37%	1.0662 82	24	17.03%	1.348 392	Pik3r3
17850	3675	19	22.64%	1.4518 84	15	18.97%	1.147 509	Mut
57746	4913	19	15.79%	1.0860 32	14	12.86%	0.801 131	Piwil2
76467	1204	19	51.50%	4.4316 23	16	32.31%	3.736 075	Msrb2
67724	3393	19	23.08%	1.5725 54	18	23.19%	1.491 457	Pop1
67636	1623	19	36.78%	3.2875 38	25	46.77%	4.330 555	Lyrm5
18005	3218	19	27.50%	1.6580 72	13	15.66%	1.135 741	Nek2
66083	1669	19	38.95%	3.1969 29	15	31.10%	2.526 72	Setd6
229937	2813	19	23.60%	1.8967 91	13	16.03%	1.299 259	Znhit6
235459	916	18	27.51%	5.5183 94	22	38.97%	6.752 263	Gtf2a2
20842	6010	18	6.87%	0.8410 73	7	4.38%	0.327 451	Stag1
54152	1492	18	47.05%	3.3879 69	13	35.59%	2.449 608	Dnalc4
66264	856	18	68.46%	5.9051 98	12	47.78%	3.941 21	Ccdc28b
77827	7005	18	10.19%	0.7216 06	8	5.60%	0.321 073	Krba1
gi 94411119 ref X M_984967.1	537	18	43.95%	9.4131 27	13	35.20%	6.805 988	-
11936	773	18	41.66%	6.5392 62	7	29.37%	2.545 896	Fxyd2
69714	1100	18	55.09%	4.5953 18	25	61.73%	6.389 538	Tift
gi 225637521 ref N M_026999.3	1296	18	41.90%	3.9003 47	3	11.34%	0.650 786	-
11444	5405	18	15.93%	0.9352 17	12	8.62%	0.624 177	Chrb2
68815	2563	18	18.03%	1.9722 39	17	18.26%	1.864 758	Btbd10
65113	1012	18	13.64%	4.9949 1	9	11.56%	2.500 254	Ndfip1

217194	2436	18	25.74%	2.0750 61	15	20.53%	1.731 156	Klh11
16002	4038	18	17.66%	1.2518 2	22	21.45%	1.531 717	Igf2
381404	2354	18	30.29%	2.1473 45	11	22.77%	1.313 737	Pabpc11
11799	3416	18	15.57%	1.4797 57	18	13.76%	1.481 415	Birc5
21877	1389	18	45.36%	3.6392	9	24.19%	1.821 639	Tk1
52276	1626	18	32.72%	3.1087 63	19	38.31%	3.285 15	Cdca8
71448	1868	18	30.78%	2.7060 22	17	22.43%	2.558 552	Tmem80
432479	695	18	66.33%	7.2731 65	16	60.58%	6.472 28	4930404 N11Rik
gi 164664499 ref N M_001113391.1	1634	18	35.56%	3.0935 43	4	12%	0.688 224	-
gi 149258393 ref X R_032846.1	1798	18	34.54%	2.8113 73	9	17.96%	1.407 262	-
226409	4174	18	16.75%	1.2110 32	20	22.04%	1.347 099	Zranb3
654801	2146	18	30.43%	2.3554 75	12	22.65%	1.572 076	Zfp784
68014	2784	18	24.78%	1.8156 79	8	12.54%	0.807 873	Zwilch
269585	5446	18	13.11%	0.9281 77	10	9%	0.516 231	Zscan20
69071	1333	18	44.64%	3.7920 85	15	29.71%	3.163 612	Tmem97
67157	2133	18	30.19%	2.3698 31	7	16.08%	0.922 634	2610301 B20Rik
18633	1470	18	35.37%	3.4386 73	19	41.09%	3.633 778	Pex16
15412	2566	18	25.49%	1.9699 33	15	17.38%	1.643 451	Hoxb4
229715	5051	18	14.31%	1.0007 62	12	11.44%	0.667 922	Amigo1
227099	3045	18	25.98%	1.6600 49	5	6.21%	0.461 641	Pms1
109731	2428	18	28.71%	2.0818 98	2	4.04%	0.231 581	Maob
16647	2071	18	4.93%	2.4407 77	22	5.07%	2.986 515	Kpna2

72565	4428	18	15.22%	1.1415 65	23	20.33%	1.460 301	Uaca
235956	1409	18	48.47%	3.5875 44	16	37.05%	3.192 501	Zfp825
71946	4470	18	17.38%	1.1308 39	18	18.61%	1.132 106	Endod1
380712	1153	18	44.84%	4.3840 84	34	65.83%	8.290 328	Tlcd2
434377	4732	18	15.62%	1.0682 27	9	6.36%	0.534 712	Zfp560
72254	2441	18	27.53%	2.0708 11	10	18.03%	1.151 74	1700030 K09Rik
230757	2855	18	20.35%	1.7705 25	7	10.37%	0.689 309	5730409 E04Rik
51812	1934	18	24.87%	2.6136 76	19	25.85%	2.761 972	Mcrs1
330361	3375	18	21.42%	1.4977 33	4	5.07%	0.333 203	AW1460 20
544696	7269	18	10.59%	0.6953 98	18	10.13%	0.696 177	D630037 F22Rik
70415	2016	18	36.06%	2.5073 66	14	25.84%	1.952 359	2610018 G03Rik
74019	3521	18	20.62%	1.4356 29	17	21.16%	1.357 391	Traf3ip1
243574	4708	18	15.95%	1.0736 72	7	7.29%	0.418 007	Kbtbd8
17858	2428	18	26.65%	2.0818 98	26	35.09%	3.010 557	Mx2
gi 145966811 ref NM_007803.4	3029	18	21.89%	1.6688 18	28	34.27%	2.598 848	-
13808	1506	18	35.66%	3.3564 74	11	26.69%	2.053 477	Eno3
71769	2753	18	24.26%	1.8361 24	10	15.44%	1.021 212	Bbs10
381062	2513	18	27.97%	2.0114 8	18	20.81%	2.013 734	2210404 J11Rik
gi 149249176 ref XM_001478299.1	2774	18	12.83%	1.8222 24	24	12.62%	2.432 355	-
69702	1451	18	29.50%	3.4837	14	40.32%	2.712 581	Ndufaf1
70604	1851	18	35.49%	2.7308 75	18	33.23%	2.733 935	Dnajb14
66795	1609	18	40.40%	3.1416 09	25	52.58%	4.368 236	Atg10

171531	4484	18	15.86%	1.1273 08	7	7.34%	0.438 889	Mlph
279766	1821	18	33.66%	2.7758 65	15	29.71%	2.315 813	Rhbdd3
gi 149275044 ref X M_001476673.1	448	18	78.12%	11.283 15	9	70.76%	5.647 895	-
241638	4219	18	16.99%	1.1981 16	16	17.28%	1.066 185	Prosapip 1
22165	2256	18	30.23%	2.2406 25	3	6.52%	0.373 856	Txk
76779	1595	18	35.11%	3.1691 85	13	31.16%	2.291 42	Cluap1
382019	5651	18	11.50%	0.8945 05	4	3.47%	0.199 002	Zfp882
319722	6712	18	10.12%	0.7531 06	16	10.47%	0.670 178	E330033 B04Rik
105377	3742	18	18.81%	1.3508 42	21	20.39%	1.577 748	Ankrd32
78890	3784	18	18.08%	1.3358 48	11	12.08%	0.817 266	2310079 F23Rik
14137	2882	18	18.42%	1.7539 38	14	18.88%	1.365 703	Fdft1
277973	5222	18	15.95%	0.9679 91	16	13.08%	0.861 401	Slc9a5
50708	1578	18	36.88%	3.2033 27	16	24.52%	2.850 592	Hist1h1c
93760	8175	18	5.82%	0.6183 3	6	3.11%	0.206 341	Arid1a
68161	973	18	32.99%	5.1951 18	10	30.42%	2.889 411	A930005 H10Rik
12457	3069	18	10.82%	1.6470 67	20	12.25%	1.832 126	Cern4l
22758	4435	18	15.02%	1.1397 63	9	6.83%	0.570 52	Zscan12
382245	1433	18	6.84%	3.5274 59	11	9.35%	2.158 085	Tmem29
71728	4474	18	10.64%	1.1298 28	12	8.23%	0.754 063	Stk11ip
78304	518	18	66.80%	9.7583 96	36	72.97%	19.53 866	Lsmd1
545622	6369	18	12.14%	0.7936 65	5	3.85%	0.220 709	Ptpn3
68440	1417	18	29.36%	3.5672 9	19	24.98%	3.769 692	Dusp23

gi 149268386 ref X M_001472990.1	3445	18	15.67%	1.4673	16	12.77%	1.305 728	-
654309	1170	18	43.59%	4.3203 84	16	29.23%	3.844 645	Nrp
66617	1217	18	52.51%	4.1535 33	16	49.79%	3.696 166	Ntmt1
67378	2972	18	21.27%	1.7008 24	18	25.10%	1.702 73	Bbs2
114871	1979	18	3.18%	2.5542 44	13	3.08%	1.846 799	Psg28
619288	2234	18	31.60%	2.2626 9	18	24.89%	2.265 226	Fam71a
14038	567	18	63.84%	8.9150 78	6	37.39%	2.975 023	Wfdc18
20660	6938	18	9.86%	0.7285 74	14	7.37%	0.567 304	Sor11
71532	2280	18	31.23%	2.2170 39	16	28.33%	1.972 91	9030418 K01Rik
218194	5682	18	9.82%	0.8896 25	35	17.97%	1.731 765	Phactr1
219103	4385	18	17.40%	1.1527 59	8	8.73%	0.512 912	Cenpj
14581	2862	18	27.74%	1.7661 95	7	11.98%	0.687 623	Gfi1
229524	1825	18	35.18%	2.7697 8	23	35.12%	3.543 13	Msto1
20460	5333	18	14.04%	0.9478 43	8	7.13%	0.421 736	Stil
15451	1830	18	35.85%	2.7622 13	36	57.60%	5.530 616	Hpn
66194	1353	18	42.35%	3.7360 31	26	57.13%	5.402 536	Pycr1
18642	2894	18	24.95%	1.7466 65	39	50.38%	3.788 682	Pfkm
380840	1515	18	32.94%	3.3365 34	26	36.30%	4.824 839	Lyrn4
230259	3604	18	20.84%	1.4025 66	8	6.80%	0.624 061	E130308 A19Rik
20873	3567	18	21.61%	1.4171 15	23	23.86%	1.812 787	Plk4
71890	1224	18	45.42%	4.1297 79	24	48.45%	5.512 542	Mad2l2
67596	1694	18	45.22%	2.9839 72	1	2.89%	0.165 962	Tespa1

241308	2738	18	21.73%	1.8461 83	15	22.97%	1.540 21	Ralgps1
gi 70608156 ref NM_027533.2	4243	18	14.75%	1.1913 39	2	2.31%	0.132 519	-
320234	2951	18	23.82%	1.7129 28	13	18.64%	1.238 501	Ccdc66
14129	2589	18	27.04%	1.9524 33	33	31.17%	3.583 472	Fcgr1
74043	4086	18	18.48%	1.2371 14	9	9.42%	0.619 25	Pex26
269356	3201	18	23.15%	1.5791 47	5	7.65%	0.439 143	Slc4a11
72947	1896	18	33.49%	2.6660 6	27	46.10%	4.003 571	Agxt2l2
241732	3087	18	20.51%	1.6374 63	14	18.43%	1.275 01	Tspyl3
14055	4211	18	7.65%	1.2003 92	8	5.82%	0.534 105	Ezh1
242083	3962	18	18.78%	1.2758 33	7	8.05%	0.496 713	Ppm1l
319618	3311	18	18.63%	1.5266 84	23	26.91%	1.952 948	Dcp1b
244202	4483	18	17.49%	1.1275 6	11	9.64%	0.689 836	Nlrp10
69440	4716	18	16.79%	1.0718 51	15	12.17%	0.894 21	Fam116b
72041	1726	18	33.84%	2.9286 5	15	31.58%	2.443 276	Alkbh4
13649	5983	18	13.12%	0.8448 69	12	8.81%	0.563 877	Egfr
50770	7443	18	3.96%	0.6791 41	9	2.55%	0.339 951	Atp11a
217031	2119	18	32.28%	2.3854 88	26	38.41%	3.449 566	Tada2a
11568	4049	18	18.62%	1.2484 19	6	6.47%	0.416 606	Aebp1
77744	2293	18	29.87%	2.2044 7	17	31.01%	2.084 332	Bora
gi 149257052 ref XM_001472635.1	518	18	56.18%	9.7583 96	4	34.56%	2.170 963	-
12534	2860	18	18.50%	1.7674 3	18	25.98%	1.769 41	Cdk1
12183	2068	18	32.25%	2.4443 18	4	9.48%	0.543 79	Bpgm

98314	3058	17	18.12%	1.5611 59	12	11.18%	1.103 23	D2hgdh
18725	3464	17	15.47%	1.3781 83	19	14.98%	1.542 048	Pira2
232879	2167	17	25.98%	2.2030 57	11	24.87%	1.427 105	Zbtb45
gi 83029091 ref X M_357633.3	651	17	49.16%	7.3333 71	8	35.94%	3.454 865	-
67902	2161	17	22.95%	2.2091 74	13	20.92%	1.691 261	Sumf2
77634	1413	17	37.93%	3.3786 44	8	18.61%	1.591 732	Snape3
272396	3194	17	24.23%	1.4946 85	16	18.50%	1.408 339	Tarsl2
gi 85702295 ref N M_001037913.1	781	17	58.13%	6.1127 07	15	48.40%	5.399 609	-
66341	1305	17	46.51%	3.6582 56	29	57.09%	6.247 548	Eid3
68463	672	17	43.30%	7.1042 03	17	68.45%	7.112 164	Mrpl14
gi 149264147 ref X R_032589.1	2356	17	19.86%	2.0263 26	15	18.51%	1.789 938	-
gi 149267127 ref X R_033752.1	2750	17	13.16%	1.7360 09	32	15.27%	3.271 443	-
19296	3074	17	26.32%	1.5530 33	10	13.63%	0.914 573	Pvt1
320301	3304	17	20.22%	1.4449 23	20	26.33%	1.701 814	E530011 L22Rik
272347	3478	17	21.59%	1.3726 35	5	7.04%	0.404 169	Zfp398
329727	4997	17	16.11%	0.9553 78	16	13.55%	0.900 187	Dennd2c
72167	1856	17	28.07%	2.5722 11	11	21.93%	1.666 237	Thumpd 2
94353	923	17	49.08%	5.1722 91	17	59.59%	5.178 087	Hmgn3
329795	3456	17	20.28%	1.3813 73	15	20.34%	1.220 224	Tmem67
228012	4050	17	8.84%	1.1787 71	3	3.63%	0.208 252	Tlk1
171429	3329	17	21.51%	1.4340 72	24	26.55%	2.026 84	Slc26a6
114641	1047	17	18.05%	4.5597 18	12	17.10%	3.222 231	Rpl31

69109	1243	17	41.75%	3.8407 28	13	32.02%	2.940 318	Fam58b
68857	3145	17	22.10%	1.5179 73	8	11.03%	0.715 141	Dtwd2
66388	1308	17	47.78%	3.6498 66	16	37.23%	3.439 017	Cutc
14411	2563	17	26.77%	1.8626 7	3	4.88%	0.329 075	Slc6a12
19363	1858	17	23.36%	2.5694 43	41	30.84%	6.203 835	Rad5111
80890	5755	17	12.34%	0.8295 44	20	13.88%	0.977 027	Trim2
19335	4321	17	16.25%	1.1048 42	12	13.05%	0.780 763	Rab23
22249	6374	17	12.66%	0.7489 84	15	10.13%	0.661 609	Unc13b
246746	1885	17	15.07%	2.5326 39	7	13.32%	1.044 02	Cd300lf
12479	1845	17	34.04%	2.5875 47	14	30.95%	2.133 309	Cd1d1
67228	2952	17	18.63%	1.6172 17	16	18.46%	1.523 792	Wdr85
20878	1905	17	39.63%	2.5060 5	15	20.79%	2.213 698	Aurka
70382	1787	17	26.47%	2.6715 3	11	18.35%	1.730 574	Kctd2
12326	12331	17	6.34%	0.3871 56	15	4.37%	0.341 991	Camk4
70567	1400	17	43.21%	3.4100 17	10	24.57%	2.008 14	Fra10ac1
77090	1652	17	32.51%	2.8898 45	8	17.49%	1.361 451	Ocel1
67099	2666	17	24.01%	1.7907 07	12	18%	1.265 445	Mettl21a
319615	2784	17	17.78%	1.7148 08	11	12.03%	1.110 825	Zfp944
18817	2203	17	29.19%	2.1670 56	4	8.90%	0.510 467	Plk1
70873	2106	17	32.15%	2.2668 68	18	28.68%	2.402 903	4921517 L17Rik
52184	2584	17	23.65%	1.8475 33	7	13.27%	0.761 601	Odf2l
1E+08	751	17	35.95%	6.3568 9	11	38.08%	4.117 891	Gm2741

217198	3007	17	21.72%	1.5876 37	18	25.17%	1.682 911	Plekhh3
224170	5771	17	12.44%	0.8272 44	7	5.18%	0.341 012	Dzip3
69790	871	17	56.03%	5.4810 84	13	49.02%	4.196 114	Med30
68087	1714	17	35.82%	2.7853 12	12	25.03%	1.968 306	Dcakd
68874	1555	17	34.53%	3.0701 12	22	27.78%	3.977 539	Klhdc9
69291	6017	17	12.27%	0.7934 23	7	5.70%	0.327 07	1700001 L05Rik
232174	4751	17	13.24%	1.0048 46	9	8.27%	0.532 574	Cyp26b1
67013	1866	17	37.67%	2.5584 27	15	27.06%	2.259 965	Oma1
68046	1032	17	47.48%	4.6259 93	4	18.99%	1.089 689	2700062 C07Rik
227522	1027	17	50.73%	4.6485 14	16	48.69%	4.379 975	Rpp38
320479	2763	17	6.95%	1.7278 41	12	8.54%	1.221 019	C330024 D21Rik
216274	8006	17	10%	0.5963 06	9	5.35%	0.316 045	Cep290
620078	1971	17	23.39%	2.4221 33	16	23.49%	2.282 209	C130026 I21Rik
67148	1423	17	32.47%	3.3549 01	15	28.04%	2.963 524	Fam103a 1
21422	3192	17	18.98%	1.4956 22	11	14.60%	0.968 84	Tfcp2
12021	5448	17	13.93%	0.8762 89	9	7.23%	0.464 438	Bard1
78929	2514	17	25.34%	1.8989 75	11	18.10%	1.230 126	Polr3h
14272	1881	17	22.12%	2.5380 25	5	5.37%	0.747 314	Fnta
631323	2702	17	24.94%	1.7668 48	21	31.35%	2.185 023	Gm1225 0
218630	1876	17	37.05%	2.5447 89	18	35.93%	2.697 502	Ccno
56219	4129	17	18.58%	1.1562 18	14	15.28%	0.953 247	Extl1
1E+08	3468	17	19.67%	1.3765 93	9	12.72%	0.729 601	Gm1038 9

70059	3185	17	19.28%	1.4989 09	5	7.63%	0.441 35	Degs2
50788	1901	17	39.77%	2.5113 23	15	30.41%	2.218 356	Fbxl8
268445	3336	17	22.54%	1.4310 62	10	14.36%	0.842 745	Ankrd13 b
229487	2307	17	30.86%	2.0693 65	16	28.22%	1.949 82	Pet112l
69716	2267	17	29.91%	2.1058 78	12	21.48%	1.488 168	Trip13
77945	5238	17	12.60%	0.9114 21	18	12.92%	0.966 116	Rpgrip1
59001	617	17	62.56%	7.7374 79	23	70.99%	10.48 008	Pole3
623781	3067	17	15.06%	1.5565 78	10	13.07%	0.916 66	Gm1413 7
626391	2903	17	25.18%	1.6445 14	14	21.32%	1.355 823	Zfp951
225913	2350	17	28.89%	2.0315	19	28.17%	2.273 044	Dak
665433	514	17	24.71%	9.2879 85	16	26.07%	8.751 429	Hist1h2a o
192986	2393	17	22.98%	1.9949 96	18	28.88%	2.114 715	Cyb5d2
235320	5114	17	13.53%	0.9335 21	83	47.09%	4.562 885	Zbtb16
65103	2553	17	18.84%	1.8699 66	17	21.39%	1.872 062	Arl6ip6
11486	1626	17	36.53%	2.9360 54	14	28.04%	2.420 637	Ada
104110	3414	17	23.76%	1.3983 67	26	32.92%	2.141 075	Adcy4
216177	2634	17	25.70%	1.8124 62	3	5.58%	0.320 205	AU0411 33
gi 19923858 ref NM_138303.1	2107	17	31.61%	2.2657 92	13	23.64%	1.734 606	-
gi 118130971 ref NM_007377.3	5264	17	13.15%	0.9069 2	9	8.34%	0.480 672	-
21975	3740	17	15.80%	1.2764 77	5	6.55%	0.375 855	Top3a
66387	786	17	70.74%	6.0738 22	15	71.25%	5.365 261	Nudt8
gi 149274732 ref XM_918237.2	399	17	40.35%	11.964 97	4	22.31%	2.818 443	-

gi 149275108 ref X R_031047.1	424	17	53.77%	11.259 49	8	61.79%	5.304 522	-
69399	9789	17	7.08%	0.4876 93	13	6.51%	0.373 359	1700025 G04Rik
217648	1491	17	38.56%	3.2018 94	13	32.06%	2.451 251	Gm527
1E+08	1413	17	38.71%	3.3786 44	13	27.32%	2.586 564	Adat3
244646	6606	17	9.69%	0.7226 8	10	5.31%	0.425 582	Pkd113
52504	4343	17	16.90%	1.0992 46	16	15.40%	1.035 744	Cenpo
66637	1147	17	38.10%	4.1621 83	6	17%	1.470 652	Tsen15
233913	2605	17	23.19%	1.8326 39	11	19.39%	1.187 154	BC0171 58
210135	3383	17	20.99%	1.4111 81	14	12.83%	1.163 451	Zfp180
14431	960	16	51.88%	4.6804 16	22	67.40%	6.442 784	Gamt
240067	3008	16	25.30%	1.4937 5	13	18.72%	1.215 032	Zfp952
231630	3192	16	19.49%	1.4076 44	5	5.86%	0.440 382	Ficd
29807	2562	16	28.88%	1.7537 86	14	21.27%	1.536 282	Tpk1
66488	1634	16	34.88%	2.7498 16	13	26.25%	2.236 729	Fam136a
56690	2116	16	25.71%	2.1234 4	14	27.65%	1.860 092	Mlycd
16765	1070	16	17.38%	4.1992 52	21	19.44%	5.517 694	Stmn1
68149	3239	16	20.56%	1.3872 18	11	16.42%	0.954 781	Otub2
71985	3621	16	17.84%	1.2408 73	20	20.57%	1.552 829	Acad10
gi 149263267 ref X M_001475174.1	770	16	13.77%	5.8353 24	54	14.81%	19.71 629	-
22017	2715	16	21.44%	1.6549 54	12	17.97%	1.242 606	Tpmt
327766	5123	16	12.41%	0.8770 64	4	3.83%	0.219 512	Tmem26
14809	3861	16	17.69%	1.1637 4	3	2.54%	0.218 446	Grik5

1E+08	2678	16	16.65%	1.6778 19	1	1.83%	0.104 981	Fam174b
76566	3533	16	19.28%	1.2717 8	9	12.48%	0.716 178	Fam101b
109857	1178	16	49.07%	3.8142 61	11	40.58%	2.625 243	Cbr3
12569	4166	16	16.71%	1.0785 4	18	17.02%	1.214 718	Cdk5r1
56018	1198	16	44.41%	3.7505 84	5	17.28%	1.173 371	Stard10
19130	4148	16	17.50%	1.0832 21	14	16.08%	0.948 88	Prox1
27405	3034	16	19.97%	1.4809 49	27	36.09%	2.501 902	Abcg3
68948	1014	16	39.55%	4.4311 63	14	37.48%	3.881 613	1500011 H22Rik
12190	10743	16	6.46%	0.4182 44	21	7.95%	0.549 561	Brca2
78755	4334	16	15.97%	1.0367 33	10	10.75%	0.648 684	Fam122b
16419	3304	16	20.67%	1.3599 27	13	14.47%	1.106 179	Itgb5
233904	5934	16	5.56%	0.7571 96	8	4.08%	0.379 022	Setd1a
13446	2557	16	16.27%	1.7572 15	23	20.61%	2.528 828	Doc2a
71446	2483	16	25.78%	1.8095 85	7	13.81%	0.792 581	Wrb
433091	4483	16	5.33%	1.0022 75	7	2.88%	0.438 987	Pnpl1
233424	4316	16	15.64%	1.0410 56	6	6.81%	0.390 834	Tmc3
72735	3137	16	20.72%	1.4323 24	28	32.23%	2.509 375	2810442 I21Rik
13063	3059	16	10.85%	1.4688 46	28	15.30%	2.573 361	Cycs
78321	1954	16	31.83%	2.2994 88	6	13.66%	0.863 274	Ankrd23
gi 149266895 reflX M_001474179.1	5966	16	10.21%	0.7531 34	34	16.85%	1.602 204	-
628705	1590	16	34.72%	2.8259 12	13	27.36%	2.298 626	Gm6907
12263	2644	16	19.06%	1.6993 95	5	9.27%	0.531 656	C2

76441	6045	16	11.99%	0.7432 92	10	7.10%	0.465 078	Daam2
16581	3143	16	21.73%	1.4295 89	5	6.55%	0.447 247	Kifc2
353242	992	16	41.33%	4.5294 35	30	50.40%	8.502 208	Mrpl21
74246	1537	16	27%	2.9233 57	10	23.23%	1.829 145	Gale
12235	4337	16	15.73%	1.0360 16	13	13.33%	0.842 706	Bub1
21415	2784	16	25.97%	1.6139 37	13	21.26%	1.312 793	Tcf711
69721	4592	16	11.61%	0.9784 84	12	12.80%	0.734 686	Nkiras1
107993	1570	16	30.51%	2.8619 1	8	18.54%	1.432 559	Bfsp2
72054	1702	16	14.92%	2.6399 53	2	2.88%	0.330 364	Cyp4f18
50877	3341	16	18.26%	1.3448 67	11	16.13%	0.925 632	Neu3
268395	1745	16	32.15%	2.5748 99	17	38.80%	2.738 896	Mpg
21345	1586	16	40.86%	2.8330 39	16	34.05%	2.836 213	Tagln
55981	2193	16	28.41%	2.0488 83	14	26.31%	1.794 781	Pigb
17532	4058	16	17.94%	1.1072 45	5	6.04%	0.346 402	Mras
245671	4457	16	16.74%	1.0081 22	2	2.20%	0.126 156	Klf8
74626	1767	16	37.86%	2.5428 41	7	18.34%	1.113 739	Tmem81
15288	1611	16	32.22%	2.7890 75	8	21.85%	1.396 1	Hmbs
58859	1802	16	30.30%	2.4934 51	30	37.74%	4.680 461	Efemp2
76459	3716	16	17.76%	1.2091 49	10	13.13%	0.756 565	Car12
208628	6961	16	10.46%	0.6454 82	23	13.69%	0.928 92	Kntc1
67425	2522	16	25.10%	1.7816 02	15	24.43%	1.672 123	Eps811
237877	7272	16	8.03%	0.6178 77	10	5.42%	0.386 606	Atad5

21940	1576	16	38.39%	2.8510 15	2	6.22%	0.356 776	Cd27
77862	976	16	42.11%	4.6036 88	16	37.70%	4.608 847	Thyn1
56199	4325	16	13.34%	1.0388 9	10	9.25%	0.650 034	Abcb10
107227	1284	16	43.85%	3.4993 76	21	42.91%	4.598 079	Macrocl1
433100	3867	16	12.90%	1.1619 34	11	9.59%	0.799 725	AA3882 35
69993	3150	16	19.21%	1.4264 13	21	30%	1.874 264	Chn2
12815	5605	16	11.97%	0.8016 41	12	9.78%	0.601 905	Col11a2
214742	1624	16	35.59%	2.7667 48	16	41.19%	2.769 849	Rcor3
12044	796	16	36.06%	5.6447 23	45	34.55%	15.89 357	Bcl2a1a
72140	2567	16	23.18%	1.7503 7	10	17.22%	1.095 207	Ccdc123
69640	4786	16	12.91%	0.9388 21	15	13.60%	0.881 131	Fam83g
320664	3731	16	14.12%	1.2042 88	14	9.22%	1.054 933	Cass4
64296	1985	16	37.13%	2.2635 77	12	21.26%	1.699 585	Abhd8
74646	3089	16	21.40%	1.4545 81	9	14.28%	0.819 118	Spsb1
gi 149245344 ref X M_136331.7	2394	16	29.82%	1.8768 59	10	14.54%	1.174 351	-
229488	4392	16	15.37%	1.0230 42	10	11.16%	0.640 118	Fam160a 1
225638	7250	16	10.30%	0.6197 52	11	6.11%	0.426 557	Alpk2
52637	965	16	57.82%	4.6561 65	23	58.34%	6.700 738	Cisd1
60322	2248	16	26.42%	1.9987 54	10	20.60%	1.250 621	Chst7
54710	6004	16	10.56%	0.7483 68	10	7.33%	0.468 254	Hs3st3b1
73430	5159	16	14.77%	0.8709 44	16	13.51%	0.871 92	1700049 G17Rik
216892	3241	16	19.07%	1.3863 62	9	12.62%	0.780 703	Spns2

207375	7709	16	9.22%	0.5828 51	13	7.26%	0.474 097	Fam120c
212980	3354	16	19.53%	1.3396 54	4	5.81%	0.335 289	Slc45a3
gi 149256746 ref XM_001472661.1	3807	16	13.84%	1.1802 47	26	18.10%	1.920 05	-
gi 149234143 ref XM_979163.2	2847	16	10.50%	1.5782 22	11	10.19%	1.086 244	-
17179	1734	16	37.66%	2.5912 34	17	40.72%	2.756 271	Matk
71991	2107	16	33.27%	2.1325 1	7	16.28%	0.934 019	Ercc8
218613	5277	16	10.10%	0.8514 69	19	8.89%	1.012 252	Mier3
69216	822	16	42.70%	5.4661 79	21	44.65%	7.182 4	Ccdc23
22256	1934	16	26.11%	2.3232 68	6	13.08%	0.872 202	Ung
245368	4658	16	5.20%	0.9646 2	29	8.46%	1.750 333	Zfp300
195522	2338	16	29.34%	1.9218 13	7	14.67%	0.841 736	Zfp691
245695	4063	16	17.43%	1.1058 82	9	9.75%	0.622 756	Tceanc
329251	3137	16	22.79%	1.4323 24	5	7.81%	0.448 103	Ppp1r12 b
22390	3419	16	20.27%	1.3141 85	10	13.04%	0.822 286	Wee1
16404	4035	16	16.83%	1.1135 56	19	17.84%	1.323 83	Itga7
66965	3066	16	17.09%	1.4654 92	12	15.88%	1.100 351	Ctu2
382010	1433	16	40.40%	3.1355 19	12	35.17%	2.354 275	BC0889 83
74013	3689	16	17.78%	1.2179 99	6	7.97%	0.457 262	Rftn2
23969	4096	16	16.53%	1.0969 73	2	2.39%	0.137 275	Pacsin1
69724	2044	16	14.87%	2.1982 38	19	22.80%	2.613 333	Rnaseh2 a
71715	3248	16	20.72%	1.3833 74	6	8.62%	0.519 347	Dhx35
232536	1067	16	46.86%	4.2110 58	13	46.30%	3.425 319	Mrps35

12649	3397	16	19.13%	1.3226 96	9	11.36%	0.744 85	Chek1
21390	1985	16	31.34%	2.2635 77	12	23.88%	1.699 585	Tbxa2r
101883	1192	16	48.24%	3.7694 63	19	41.19%	4.481 253	Tmem14 9
270160	2971	16	23.93%	1.5123 53	7	10.16%	0.662 396	Rab39
103140	1873	16	26.53%	2.3989 32	23	41.11%	3.452 329	Gstt3
70209	2184	16	27.24%	2.0573 26	15	27.98%	1.930 904	Tmem14 3
22643	2731	16	25.19%	1.6452 58	11	16.18%	1.132 382	Zfp101
20713	3133	16	23.91%	1.4341 52	15	21.32%	1.346 025	Serpini1
238330	4112	16	11.19%	1.0927 04	18	11.77%	1.230 67	Irf2bpl
171167	3136	16	12.50%	1.4327 8	12	9.69%	1.075 79	Fut10
gi 119360369 ref NM_019465.2	1876	16	37.79%	2.3950 96	22	42.16%	3.296 947	-
72016	2179	16	23.36%	2.0620 47	15	26.62%	1.935 335	1600002 H07Rik
110391	1394	16	29.84%	3.2232 42	10	26.61%	2.016 784	Qdpr
1E+08	1499	16	26.08%	2.9974 65	15	21.95%	2.813 272	Gm4706
51944	3118	16	21.01%	1.4410 52	18	18.41%	1.623	D2Ertd7 50e
14089	2695	16	24.94%	1.6672 35	28	38.40%	2.920 932	Fap
109242	5616	16	10.58%	0.8000 71	10	6.20%	0.500 605	Kif24
gi 149268027 ref XM_001480545.1	3173	16	13.11%	1.4160 73	12	11.38%	1.063 245	-
338351	6153	16	11.36%	0.7302 45	10	7.96%	0.456 915	Akap17b
269514	2479	16	26.26%	1.8125 05	14	26.06%	1.587 719	Fbx14
69694	1366	16	37.04%	3.2893 11	13	30.45%	2.675 56	Tatdn1
gi 146141196 ref NM_028964.3	1622	15	32.31%	2.5970 25	15	37.79%	2.599 935	-

gi 149264044 ref X M_001476113.1	2911	15	5.57%	1.4470 54	12	8.76%	1.158 941	-
17305	1834	15	24.10%	2.2968 24	12	20.99%	1.839 518	Mfng
14659	1957	15	31.12%	2.1524 65	15	28.67%	2.154 877	Glrp1
98488	3005	15	20.17%	1.4017 88	7	10.98%	0.654 901	Gtf3c3
gi 261823930 ref N M_016691.3	3381	15	7.87%	1.2458 96	5	4.29%	0.415 764	-
1E+08	1162	15	39.50%	3.6251 07	22	44.32%	5.322 782	AK0108 78
231326	3694	15	18.22%	1.1403 29	7	9.29%	0.532 75	Aasdh
68628	1866	15	28.99%	2.2574 35	16	29.90%	2.410 629	Fbxw9
66399	1180	15	38.81%	3.5698 09	10	35%	2.382 54	Tsfm
72650	1702	15	18.33%	2.4749 56	16	29.96%	2.642 911	2810006 K23Rik
13340	2490	15	21.89%	1.6917 17	7	13.78%	0.790 352	Slc29a2
67884	1696	15	36.32%	2.4837 11	17	37.74%	2.818 027	1810043 G02Rik
230796	4175	15	11.14%	1.0089 52	14	11.50%	0.942 744	Wdtd1
212508	1595	15	33.73%	2.6409 87	12	28.03%	2.115 157	Mtg1
51795	2456	15	21.58%	1.7151 36	10	16.41%	1.144 705	Srpx
74616	3247	15	18.82%	1.2973 13	11	12.38%	0.952 429	Scrn3
16329	1786	15	30.91%	2.3585 52	16	29.34%	2.518 608	Inpp1
19361	2138	15	23.76%	1.9702 41	10	20.81%	1.314 966	Rad51
215900	1095	15	43.01%	3.8469 17	15	42.65%	3.851 228	Fam26f
333193	2612	15	25.50%	1.6127 01	7	8.84%	0.753 437	BC0537 49
75607	6618	15	9.91%	0.6365 03	9	6.66%	0.382 33	Wnk2
63955	3343	15	17.92%	1.2600 58	5	7.33%	0.420 49	Cables1

12009	3589	15	17.61%	1.1736 9	10	11.45%	0.783 337	Azi1
54124	757	15	56.94%	5.5645 63	11	53.76%	4.085 253	Cks1b
gi 149255586 ref XR_032715.1	480	15	68.33%	8.7757 8	10	53.75%	5.857 076	-
72085	2283	15	22.56%	1.8451 05	6	12.88%	0.738 869	Osgepl1
209039	4707	15	12.41%	0.8949 17	11	9.65%	0.657 008	Tenc1
327959	2621	15	20.30%	1.6071 63	9	12.78%	0.965 378	Xaf1
380718	2365	15	27.40%	1.7811 31	2	4.14%	0.237 75	Mks1
216560	2443	15	20.38%	1.7242 63	13	22.27%	1.496 036	Wdpcp
246277	2265	15	24.37%	1.8597 68	20	35.32%	2.482 469	Csad
74187	3425	15	17.99%	1.2298 9	10	13.75%	0.820 846	Katnb1
67582	1933	15	28.87%	2.1791 9	9	20.90%	1.308 979	Slc25a26
67538	2711	15	23.46%	1.5538 08	7	12.03%	0.725 923	Zswim3
gi 149255584 ref XM_001476320.1	411	15	80.29%	10.249 09	7	63.99%	4.788 267	-
235505	5883	15	11.66%	0.7160 25	8	6.66%	0.382 308	Cd109
75744	3077	15	21.32%	1.3689 87	17	22.26%	1.553 258	Svip
19328	2010	15	8.66%	2.0957 09	19	12.69%	2.657 539	Rab12
20877	1957	15	30.86%	2.1524 65	16	32.40%	2.298 536	Aurkb
72938	559	15	60.11%	7.5355 54	12	51.16%	6.035 198	Hspb11
231093	3303	15	19.04%	1.2753 18	14	17.71%	1.191 63	Agbl5
108797	3416	15	18.71%	1.2331 31	13	14.52%	1.069 911	Mex3b
gi 149255587 ref XM_001476407.1	384	15	86.46%	10.969 73	7	47.14%	5.124 942	-
76130	2608	15	13.15%	1.6151 74	12	10.39%	1.293 587	Las11

gi 118130336 ref N M_009535.2	4537	15	11.55%	0.9284 49	22	18.82%	1.363 252	-
50786	4234	15	14.69%	0.9948 92	3	2.60%	0.199 201	Hs6st2
435684	1564	15	38.62%	2.6933 34	23	48.34%	4.134 407	Shf
209318	2000	15	16.40%	2.1061 87	10	12.90%	1.405 698	Gps1
72171	1990	15	33.07%	2.1167 71	10	22.46%	1.412 762	Shq1
11496	9068	15	7.57%	0.4645 32	12	6.18%	0.372 042	Adam22
110816	3871	15	11.93%	1.0881 88	11	10.59%	0.798 899	Pwp2
gi 149251500 ref X M_001472872.1	1209	15	10.84%	3.4841 81	12	11.25%	2.790 468	-
gi 149260441 ref X R_033770.1	3095	15	3.84%	1.3610 26	12	2.46%	1.090 041	-
30947	3159	15	20.80%	1.3334 52	4	6.20%	0.355 986	Adat1
gi 161333861 ref N R_004411.1	84	15	78.57%	50.147 31	2	63.10%	6.693 801	-
20557	1834	15	32.61%	2.2968 24	16	25.35%	2.452 691	Slfn3
109245	3092	15	8.02%	1.3623 46	9	4.88%	0.818 324	Lrrc39
666468	2192	15	19.43%	1.9217 04	13	20.35%	1.667 343	Atg4a
71306	6480	15	10.40%	0.6500 58	6	4.54%	0.260 315	Mfap31
22648	3916	15	16.27%	1.0756 83	15	14.71%	1.076 888	Zfp11
16795	3669	15	18.12%	1.1480 99	23	22.70%	1.762 391	Large
70315	1724	15	32.02%	2.4433 73	8	22.74%	1.304 592	Hdac8
gi 46249420 ref N M_206958.1	5501	15	3.33%	0.7657 47	17	2.35%	0.868 819	-
240047	3373	15	18.97%	1.2488 51	10	10.38%	0.833 5	Mmp25
21676	9962	15	7.27%	0.4228 44	9	4.43%	0.253 991	Tead1
329470	1998	15	27.73%	2.1082 96	4	8.66%	0.562 842	Accs

77422	2416	15	25.91%	1.7435 32	3	6.08%	0.349 097	C330018 D20Rik
69871	939	15	38.34%	4.4860 22	8	33.97%	2.395 226	Ppp1r35
66898	3248	15	15.73%	1.2969 13	17	19.12%	1.471 482	Baiap211
17063	2969	15	19.27%	1.4187 86	3	4.95%	0.284 075	Muc13
67106	660	15	56.21%	6.3823 86	14	63.18%	5.963 569	Zbtb8os
58222	2581	15	21.85%	1.6320 71	3	5.70%	0.326 78	Rab37
17766	939	15	55.59%	4.4860 22	33	76.25%	9.880 308	Nudt1
72179	3203	15	18.36%	1.3151 34	9	12.27%	0.789 965	Fbxl2
19719	2141	15	21.67%	1.9674 8	8	11.35%	1.050 499	Rfng
110074	2358	15	18.02%	1.7864 18	23	21.88%	2.742 244	Dut
69126	418	15	28.23%	10.077 45	12	29.43%	8.070 995	1810022 K09Rik
gi 146135073 reflN M_025693.3	1351	15	36.79%	3.1179 68	8	25.39%	1.664 78	-
547431	2563	15	21.07%	1.6435 33	16	27.62%	1.755 066	Btl2
72486	3456	15	20.05%	1.2188 58	17	19.76%	1.382 921	Rnf219
69692	718	15	48.89%	5.8668 17	4	25.63%	1.566 238	Hdcd2
64707	4282	15	15.46%	0.9837 4	14	14.62%	0.919 186	Suv39h2
217716	5448	15	11.27%	0.7731 96	23	16.56%	1.186 897	Mlh3
77782	8569	15	8.11%	0.4915 83	6	3.43%	0.196 854	Polq
66469	785	15	64.71%	5.3660 82	16	56.56%	5.730 235	2810405 K02Rik
252876	2041	15	29.20%	2.0638 78	13	23.37%	1.790 698	Gin1
68177	2077	15	19.31%	2.0281 05	12	19.60%	1.624 302	Ebpl
23992	1554	15	36.29%	2.7106 66	21	40.22%	3.799 185	Prkra

gi 94410227 ref X M_915705.2	831	15	39.35%	5.0690 43	8	23.59%	2.706 519	-
54637	1206	15	47.76%	3.4928 48	25	40.71%	5.827 937	Prsf2
320633	5290	15	13.89%	0.7962 9	8	7.41%	0.425 164	Zbtb26
211484	3400	15	21%	1.2389 34	16	19.15%	1.323 01	Tsga10
gi 149256964 ref X M_001479260.1	434	15	58.06%	9.7059 32	5	44.70%	3.238 936	-
gi 149270184 ref X M_001472384.1	2989	15	20.58%	1.4092 92	17	20.14%	1.598 988	-
217721	3435	15	18.66%	1.2263 1	19	22.59%	1.555 067	Mfsd7c
66701	1570	15	33.57%	2.6830 41	13	31.46%	2.327 908	Spryd4
319493	2970	15	18.62%	1.4183 08	2	3.30%	0.189 32	A430078 G23Rik
76969	2682	15	25.58%	1.5706 09	5	9.13%	0.524 123	Chst1
229841	7813	15	9.24%	0.5391 49	24	13.95%	0.863 606	Cenpe
623169	1356	15	36.14%	3.1064 71	22	49.71%	4.561 263	Gm6402
78185	3456	15	18.46%	1.2188 58	12	15.57%	0.976 179	4930524 L23Rik
66361	1646	15	38.21%	2.5591 58	16	39.98%	2.732 828	Zfand1
66377	414	15	73.19%	10.174 82	28	91.55%	19.01 428	Ndufc1
70310	2974	15	8.34%	1.4164	12	10.93%	1.134 39	Plscr3
67994	1043	15	40.56%	4.0387 1	34	66.16%	9.164 668	Mrps11
654788	5504	15	13.35%	0.7653 3	6	5.34%	0.306 475	4732440 D04Rik
57895	2271	15	26.38%	1.8548 54	10	19.90%	1.237 955	Ccdc126
140742	3182	15	8.01%	1.3238 13	3	1.54%	0.265 059	Sesn1
27273	3453	14	18.51%	1.1385 89	-	-	-	Pdk4
1E+08	3428	14	15.61%	1.1468 93	16	15.93%	1.312 204	9330020 H09Rik

67723	4135	14	11.97%	0.9507 98	11	11.66%	0.747 893	4932415 G12Rik
75750	2124	14	15.68%	1.8510 12	5	11.53%	0.661 817	Slc10a6
73680	2229	14	20.23%	1.7638 18	8	12.29%	1.009 025	Zbtb8a
240641	5563	14	11.18%	0.7067 32	9	7.15%	0.454 837	Kif20b
76508	1840	14	32.01%	2.1367 12	6	14.35%	0.916 76	2210015 D19Rik
246735	711	14	28.69%	5.5296 05	13	21.80%	5.140 388	AY0748 87
gi 146149114 ref NM_144917.4	2159	14	17.88%	1.8210 05	14	19.64%	1.823 046	-
74895	1938	14	28.64%	2.0286 63	8	16.82%	1.160 535	4930455 F23Rik
56176	942	14	32.80%	4.1736 19	8	23.04%	2.387 598	Pigp
14339	2165	14	23.14%	1.8159 58	12	19.95%	1.558 28	Aktip
76781	2150	14	25.02%	1.8286 28	3	6.84%	0.392 288	Mettl4
108958	3584	14	14.40%	1.0969 73	10	11.61%	0.784 43	Fam73b
71720	6779	14	8.44%	0.5799 6	9	6.09%	0.373 249	Osbp13
68618	1057	14	33.87%	3.7195 36	26	59.04%	6.915 451	1110012 L19Rik
17300	3990	14	13.36%	0.9853 51	11	11.23%	0.775 072	Foxc1
100515	6882	14	9.02%	0.5712 8	12	7.92%	0.490 217	Zfp518b
16400	4870	14	12.16%	0.8073	4	3.43%	0.230 916	Itga3
75219	4632	14	14.51%	0.8487 8	5	5.29%	0.303 475	Dusp18
212919	4266	14	13.60%	0.9216 01	13	13.43%	0.856 731	Kctd7
70727	3236	14	18.42%	1.2149 41	15	18.70%	1.303 181	Rasgef1a
73852	3574	14	17.07%	1.1000 42	3	4.11%	0.235 987	D3Ertd7 51e
16779	5624	14	10.88%	0.6990 66	13	10.62%	0.649 861	Lamb2

234814	2444	14	25.53%	1.6086 54	8	11.05%	0.920 261	Mthfsd
72775	2016	14	24.16%	1.9501 73	19	29.17%	2.649 63	Fance
381845	3257	14	9.82%	1.2071 08	11	7.52%	0.949 505	2310014 L17Rik
212377	4482	14	14.86%	0.8771 86	6	6.56%	0.376 358	Mms221
69185	1360	14	37.50%	2.8908 45	11	29.49%	2.273 924	Dtwd1
114643	2286	14	22.75%	1.7198 38	5	10.72%	0.614 916	Oas1c
108147	2611	14	7.39%	1.5057 64	13	8.35%	1.399 776	Atic
27494	6381	14	9.54%	0.6161 34	17	13.05%	0.749 001	Amot
68337	1454	14	29.37%	2.7039 54	4	10.73%	0.773 424	Crip2
gi 149262572 ref X M_001480574.1	637	14	32.65%	6.1719 77	10	26.84%	4.413 495	-
12297	2837	14	20.09%	1.3858 12	10	16.85%	0.990 975	Cacnb3
71699	2272	14	27.20%	1.7304 36	25	35.39%	3.093 526	Slc41a3
67836	1238	14	37.80%	3.1757 27	23	50.65%	5.223 112	Wdr83
245536	747	14	51.94%	5.2631 18	18	64.52%	6.774 45	Gm614
20475	2853	14	17.21%	1.3780 4	4	6.87%	0.394 167	Six5
73736	748	14	25.67%	5.2560 82	28	25.94%	10.52 394	Fcf1
12455	2175	14	10.71%	1.8076 09	15	11.82%	1.938 894	Ccnt1
216991	1611	14	29.11%	2.4404 4	8	21.66%	1.396 1	Adap2
223970	3739	14	14.15%	1.0514 98	20	15%	1.503 823	Rmi2
68117	1001	14	51.25%	3.9276 22	13	44.96%	3.651 164	Apool
433638	1066	14	37.62%	3.6881 33	17	56.57%	4.483 466	I830077J 02Rik
68861	3950	14	7.70%	0.9953 29	9	6.43%	0.640 571	1190002 N15Rik

108912	3865	14	15.73%	1.0172 18	15	17.15%	1.091 098	Cdca2
71909	2201	14	26.17%	1.7862 56	16	32.99%	2.043 723	Haus5
68549	5314	14	9.92%	0.7398 47	9	4.87%	0.476 149	Sgol2
60440	3149	14	13.31%	1.2485 07	28	18.83%	2.499 813	Iigp1
76843	4202	14	14.78%	0.9356 38	9	10.50%	0.602 155	Dtl
16948	3604	14	18.34%	1.0908 85	4	5.44%	0.312 031	Lox
15267	578	14	30.10%	6.8019 89	12	33.91%	5.836 81	Hist2h2a a1
108000	11130	14	5.80%	0.3532 39	12	4.17%	0.303 116	Cenpf
gi 149269356 reflX M_001478608.1	3055	14	17.71%	1.2869 23	4	6.42%	0.368 104	-
212728	5060	14	12.31%	0.7769 86	5	4.84%	0.277 806	Gm1729 6
1E+08	3756	14	6.26%	1.0467 38	19	5.96%	1.422 165	Gm4638
57170	2087	14	27.60%	1.8838 28	15	28.89%	2.020 649	Dolpp1
407785	587	14	39.18%	6.6976 99	12	41.40%	5.747 318	Ndufs6
78444	955	14	53.19%	4.1168 06	10	25.45%	2.943 871	Pgpep11
78373	1336	14	34.51%	2.9427 77	28	47.23%	5.892 149	Nudt17
67078	1038	14	31.60%	3.7876 2	22	51.06%	5.958 644	Pgp
226162	1353	14	38.95%	2.9058 02	10	31.19%	2.077 898	Dpcd
11908	2329	14	9.15%	1.6880 85	7	10.43%	0.844 988	Atf1
242109	5170	14	12.15%	0.7604 54	6	5.01%	0.326 274	Zfp697
224807	3237	14	8.68%	1.2145 66	19	10.44%	1.650 186	Tmem63 b
319701	2117	14	23.15%	1.8571 32	7	14.17%	0.929 607	Fbxo48
231932	1289	14	42.20%	3.0500 77	6	20.17%	1.308 641	Gimap7

237759	5665	14	11.35%	0.6940 07	13	9.73%	0.645 157	Col23a1
gi 40254348 ref N M_008420.3	3733	14	18.08%	1.0531 88	9	10.50%	0.677 808	-
14113	1159	14	13.29%	3.3921 91	6	9.58%	1.455 425	Fbl
gi 119360290 ref N M_178577.4	785	14	45.22%	5.0083 43	20	61.78%	7.162 794	-
26901	588	14	57.14%	6.6863 09	15	61.90%	7.171 93	Deb1
gi 149254411 ref X M_001479242.1	4795	14	11.57%	0.8199 27	8	8.18%	0.469 055	-
73692	10551	14	6.41%	0.3726 23	5	2.32%	0.133 229	2410089 E03Rik
12808	5633	14	11.61%	0.6979 49	-	-	-	Cobl
gi 94377668 ref X M_987914.1	426	14	45.54%	9.2289 89	10	63.38%	6.599 523	-
320398	4050	14	13.88%	0.9707 53	8	8.69%	0.555 338	Lrig3
320844	2549	14	25.70%	1.5423 89	4	7.69%	0.441 176	Amigo3
216846	3950	14	13.87%	0.9953 29	14	15.34%	0.996 444	Cntrob
666784	4883	14	8.99%	0.8051 5	9	5.73%	0.518 177	Gm8286
11812	515	14	55.15%	7.6340 77	97	73.01%	52.95 252	Apoc1
66069	1370	14	40.66%	2.8697 44	9	18.54%	1.846 903	Snupn
208518	2576	14	24.61%	1.5262 23	10	17.47%	1.091 381	Cep78
66193	1554	14	12.81%	2.5299 55	4	7.92%	0.723 654	Pithd1
gi 149271914 ref X M_001474328.1	1623	14	26.99%	2.4223 96	7	14.66%	1.212 556	-
230872	6535	14	10.31%	0.6016 14	4	3%	0.172 082	Crocc
22193	1562	14	14.60%	2.5169 97	10	12.42%	1.799 87	Ube2e3
72083	1010	14	45.84%	3.8926 23	11	29.80%	3.061 917	Mzt2
12826	6636	14	7.96%	0.5924 58	4	2.95%	0.169 463	Col4a1

gi 52345395 ref N M_207530.2	3121	14	19.64%	1.2597 08	22	26.72%	1.981 76	-
73431	2414	14	25.97%	1.6286 45	6	9.86%	0.698 773	1700052 K11Rik
225745	1004	14	49.50%	3.9158 86	9	27.19%	2.520 176	Haus1
12316	9866	14	6.18%	0.3984 95	14	5.82%	0.398 941	Aspm
56419	3516	14	16.47%	1.1181 88	13	16.75%	1.039 481	Diap3
15558	2971	14	20.83%	1.3233 08	15	18.61%	1.419 419	Htr2a
30954	782	14	31.97%	5.0275 57	11	46.55%	3.954 65	Siva1
209003	1743	14	31.38%	2.2556 22	19	38.73%	3.064 632	Rbmx2
18654	1674	14	30.05%	2.3485 96	14	33.33%	2.351 228	Pgf
57432	1615	14	25.08%	2.4343 96	9	23.78%	1.566 723	Zc3h8
108154	4822	14	12.40%	0.8153 36	5	5.08%	0.291 518	Adamts6
218138	1510	14	29.80%	2.6036 75	29	43.58%	5.399 371	Gmgs
54651	3240	14	18.09%	1.2134 41	12	15.80%	1.041 258	Usp27x
66817	1943	14	30.42%	2.0234 43	5	12.04%	0.723 468	Tmem17 0
109135	5133	14	13.25%	0.7659 36	9	7.15%	0.492 939	Plekha5
72310	813	14	49.32%	4.8358 54	-	-	-	Nkg7
107528	3532	14	19.25%	1.1131 23	8	11.10%	0.636 783	Magee1
243979	2089	14	29.15%	1.8820 25	-	-	-	Mrgprb2
66259	3613	14	16.80%	1.0881 68	16	19.43%	1.245 014	Camk2n 1
66422	648	14	45.99%	6.0672 06	9	50.31%	3.904 718	Dctpp1
241490	1904	14	19.80%	2.0648 89	10	12.82%	1.476 574	Rbm45
gi 153791561 ref N M_026752.3	898	14	48.78%	4.3781 17	9	39.76%	2.817 658	-

69536	2194	14	24.61%	1.7919 55	14	22.20%	1.793 963	Hemk1
433904	2201	14	3.23%	1.7862 56	19	6.82%	2.426 921	Ociad2
71643	7064	14	9.54%	0.5565 61	2	0.75%	0.079 598	4930422 G04Rik
223648	2414	14	24.40%	1.6286 45	4	8.12%	0.465 849	Ccdc166
72397	3313	14	16.03%	1.1867 04	6	7.76%	0.509 157	Rbm12b 1
55984	3466	14	17.80%	1.1343 19	12	11.37%	0.973 363	Camkk1
228413	2846	14	19.01%	1.3814 3	6	8.12%	0.592 705	Prrg4
15220	2821	14	19.71%	1.3936 72	8	12.87%	0.797 277	Foxq1
13353	1262	14	34.55%	3.1153 32	23	53.41%	5.123 781	Dgcr6
104349	1983	14	29.80%	1.9826 27	13	26.58%	1.843 074	Zfp119a
14257	5853	14	10.35%	0.6717 15	11	8.51%	0.528 368	Flt4
434234	2008	14	24.90%	1.9579 43	8	16.09%	1.120 078	2610020 H08Rik
74025	5894	14	10.84%	0.6670 43	8	5.92%	0.381 594	Nphp3
68176	1077	14	50.14%	3.6504 64	8	33.24%	2.088 317	6230427 J02Rik
71919	2260	14	22.70%	1.7396 24	9	19.51%	1.119 583	Rpap3
13434	2637	14	19.30%	1.4909 18	23	35.27%	2.452 109	Trdmt1
14562	2109	14	20.63%	1.8641 77	12	11.85%	1.599 657	Gdf3
77579	7783	14	7.26%	0.5051 46	14	7.68%	0.505 712	Myh10
1E+08	126	14	92.06%	31.202 77	8	56.35%	17.85 014	Snord22
1E+08	962	14	14.55%	4.0868 5	15	12.27%	4.383 675	Rnaset2a
66706	1092	14	40.29%	3.6003 2	9	23.72%	2.317 085	Ndutfaf3
gi 6678865 ref NM _008590.1	2543	14	22.18%	1.5460 28	17	25.01%	1.879 424	-

73327	1106	13	42.31%	3.3008 36	10	39.15%	2.541 95	Pracd1
111173	8760	13	5.10%	0.4167 49	12	3.72%	0.385 123	Erc1
69912	1290	13	36.98%	2.8300 19	9	27.36%	1.961 439	Nup43
94281	2731	13	16.29%	1.3367 72	11	10.51%	1.132 382	Sfxn4
gi 118129959 ref N M_134469.3	1223	13	23.06%	2.9850 57	6	19.05%	1.379 262	-
26447	2754	13	16.30%	1.3256 08	7	12.45%	0.714 589	Poli
71913	2337	13	19.98%	1.5621 41	22	26.96%	2.646 586	Tmem79
75736	1090	13	38.99%	3.3492 89	9	33.30%	2.321 337	Bcl2112
75812	2480	13	20.56%	1.4720 66	6	11.85%	0.680 177	Tasp1
68607	1391	13	33.21%	2.6245 32	15	33.72%	3.031 7	Serhl
216964	1366	13	38.51%	2.6725 66	7	18.30%	1.440 686	Trp53i13
gi 94411064 ref X M_989772.1	458	13	56.11%	7.9710 14	4	32.97%	2.455 368	-
74471	2670	13	19.14%	1.3673 13	9	13.18%	0.947 662	4933440 N22Rik
gi 164519092 ref N M_009968.2	2215	13	23.02%	1.6481 83	16	21.17%	2.030 806	-
gi 149247736 ref X R_033302.1	1962	13	16.56%	1.8607 16	9	17.48%	1.289 631	-
17242	1062	13	31.54%	3.4375 94	11	31.73%	2.911 993	Mdk
219131	1371	13	28.88%	2.6628 19	12	38.15%	2.460 741	Phf11
73649	5208	13	7.37%	0.7009 84	6	2.98%	0.323 894	Cybrd1
68737	3867	13	14.87%	0.9440 72	7	7.78%	0.508 916	Angel1
333789	5731	13	8.86%	0.6370 14	5	3.84%	0.245 28	N4bp2
110877	3118	13	16.81%	1.1708 55	4	6.29%	0.360 667	Slc18a1
272538	4409	13	14.36%	0.8280 16	11	11.45%	0.701 414	Tmco7

243978	4559	13	13.97%	0.8007 73	-	-	-	Mrgprx2
27204	8797	13	5.34%	0.4149 97	3	1.67%	0.095 876	Syn3
73721	1127	13	40.20%	3.2393 3	20	52.88%	4.989 169	1110017 D15Rik
16975	7296	13	7.84%	0.5003 73	10	6.10%	0.385 334	Lrp8
228788	2158	13	21.78%	1.6917 17	17	24.05%	2.214 724	BC0205 35
1E+08	2090	13	11.67%	1.7467 58	9	5.55%	1.210 649	Gm2968
19206	4305	13	13.87%	0.8480 2	8	8.20%	0.522 443	Ptch1
66170	1313	13	25.89%	2.7804 45	8	17.90%	1.712 961	Chchd5
73095	3181	13	16.85%	1.1476 66	8	10.81%	0.707 047	Slc25a42
229228	1072	13	40.21%	3.4055 27	12	33.77%	3.147 086	Nudt6
212880	5673	13	4.83%	0.6435 26	17	6.63%	0.842 477	Ddx46
gi 161169035 ref N M_183177.2	2211	13	22.89%	1.6511 64	6	11.08%	0.762 93	-
gi 149274727 ref X M_001480336.1	671	13	46.35%	5.4407 22	6	15.95%	2.513 916	-
75454	583	13	53.69%	6.2619 63	18	57.46%	8.680 127	Phpt1
233744	6166	13	9.55%	0.5920 73	10	7.17%	0.455 951	Spon1
193736	1835	13	22.29%	1.9894 96	9	18.75%	1.378 887	Zbtb12
69534	976	13	54.92%	3.7404 96	22	68.14%	6.337 165	Avp1
gi 33468922 ref N M_011283.1	6950	13	8.27%	0.5252 84	15	9.01%	0.606 776	-
224694	2253	13	20.77%	1.6203 84	3	6.52%	0.374 354	Zfp81
78796	1924	13	27.29%	1.8974 66	3	7.64%	0.438 367	Zcchc4
gi 149257924 ref X M_001476227.1	1703	13	26.01%	2.1437 02	7	16.85%	1.155 595	-
231912	6173	13	9.56%	0.5914 02	16	11.58%	0.728 695	Katnal1

320977	5195	13	10.45%	0.7027 38	9	8.49%	0.487 056	A330023 F24Rik
14555	2809	13	22.07%	1.2996 53	5	7.30%	0.500 427	Gpd1
gi 40254547 ref N M_019572.2	4147	13	10.27%	0.8803 29	4	4.73%	0.271 174	-
26568	2284	13	24.12%	1.5983 91	5	10.73%	0.615 455	Slc27a3
105349	1192	13	40.44%	3.0626 88	6	20.55%	1.415 133	Akr1c18
225825	2487	13	20.43%	1.4679 23	9	15.52%	1.017 393	Cd226
93842	4219	13	13.49%	0.8653 06	5	5.81%	0.333 183	Igsf9
gi 13928671 ref N M_031176.1	12021	13	4.16%	0.3036 96	4	1.63%	0.093 55	-
gi 149275096 ref X M_001471706.1	1161	13	10.25%	3.1444 66	7	10.42%	1.695 071	-
12055	981	13	36.29%	3.7214 32	15	39.86%	4.298 772	Bcl7c
67212	780	13	55.64%	4.6804 16	15	51.03%	5.406 532	Mrpl55
17961	1473	13	30.75%	2.4784 28	11	31.98%	2.099 482	Nat2
57294	599	13	42.07%	6.0946 99	6	25.38%	2.816 09	Rps27
69942	1140	13	35.61%	3.2023 9	11	31.49%	2.712 751	Rnf113a 1
11789	12453	13	3.32%	0.2931 6	6	1.65%	0.135 456	Apc
73582	1439	13	30.79%	2.5369 87	8	23%	1.562 972	Camkmt
1E+08	1267	13	30.94%	2.8813 93	23	29.83%	5.103 561	Gm3651
320655	2424	13	23.10%	1.5060 74	18	23.76%	2.087 671	Pgap3
19726	9187	13	5.98%	0.3973 79	20	8.95%	0.612 038	Rfx3
109065	2663	13	21.40%	1.3709 07	4	6.27%	0.422 29	Dnaaf2
380773	427	13	65.81%	8.5497 06	26	72.83%	17.11 857	Slirp
gi 94387933 ref X M_286230.5	2081	13	12.01%	1.7543 13	8	13.55%	1.080 787	-

215001	2536	13	22.91%	1.4395 6	9	14.87%	0.997 735	Wfikkn1
94279	3228	13	12.02%	1.1309 56	8	6.94%	0.696 753	Sfxn2
331474	4766	13	11.18%	0.7659 93	3	3.08%	0.176 966	Rgag4
19348	3579	13	16.04%	1.0200 4	13	14.03%	1.021 183	Kif20a
69903	3169	13	17.99%	1.1520 12	15	18.49%	1.330 734	Rasip1
16011	5854	13	9.34%	0.6236 29	3	2.51%	0.144 076	Igfbp5
319758	8000	13	5.49%	0.4563 41	12	4.62%	0.421 709	Rfx7
448850	983	13	41.61%	3.7138 6	14	45.17%	4.004 024	Znhit3
434156	2424	13	23.10%	1.5060 74	4	6.27%	0.463 927	Eid2b
71514	3500	13	7%	1.0430 64	10	5.51%	0.803 256	Sfpq
66441	766	13	41.38%	4.7659 59	17	50.52%	6.239 392	Magohb
382014	3773	13	15.50%	0.9675 92	14	12.22%	1.043 19	Ano8
26888	2553	13	18.80%	1.4299 74	8	11.24%	0.880 97	Clec4a2
243834	4316	13	14.25%	0.8458 58	3	3.41%	0.195 417	Zfp324
665155	3286	13	8.06%	1.1109 93	6	5.72%	0.513 341	Srp54b
383103	3321	13	15.96%	1.0992 85	7	7.98%	0.592 586	Fam18a
101543	1958	13	25.13%	1.8645 17	11	25.79%	1.579 436	Wtip
320438	3114	13	13.90%	1.1723 59	10	14.80%	0.902 825	Alg6
219114	2260	13	19.65%	1.6153 65	18	26.46%	2.239 165	Ska3
17763	1594	13	19.13%	2.2902 91	8	15.50%	1.410 99	Mtcp1
gi 142344970 ref NM_026048.3	1986	13	23.51%	1.8382 3	19	26.99%	2.689 654	-
gi 149254079 ref XM_001487796.1	666	13	37.69%	5.4815 68	7	35.29%	2.954 921	-

19651	4895	13	8.91%	0.7458 07	7	6.29%	0.402 038	Rbl2
80901	1893	13	28.42%	1.9285 39	9	21.66%	1.336 639	Cxcr6
58187	1200	13	28.58%	3.0422 7	16	24.42%	3.748 529	Cldn10
74603	1622	13	22.75%	2.2507 55	2	6.04%	0.346 658	Cd200r3
16832	1324	13	38.52%	2.7573 45	16	39.20%	3.397 458	Ldhb
68394	1231	13	40.70%	2.9656 58	13	37.45%	2.968 981	Ccdc163
gi 118129983 ref NM_138744.2	3396	13	17.08%	1.0750 07	15	21.61%	1.241 783	-
72386	1848	13	28.19%	1.9755	14	25.27%	2.129 846	2610035 D17Rik
71004	1861	13	22.89%	1.9617	20	29.98%	3.021 383	4931440 P22Rik
103142	2698	13	6.41%	1.3531 23	29	8.60%	3.021 887	Rdh9
234515	4122	13	14.85%	0.8856 68	5	5.94%	0.341 023	Inpp4b
234094	5484	13	9.35%	0.6657 05	8	7.15%	0.410 124	Arhgef1 0
107371	2737	13	13.63%	1.3338 42	10	14.65%	1.027 182	Exoc6
69165	2020	13	25.59%	1.8072 89	37	52.13%	5.149 588	Cd209b
17470	2363	13	24.42%	1.5449 53	7	11.85%	0.832 83	Cd200
212090	899	13	49.05%	4.0608 73	24	62.96%	7.505 397	Tmem60
gi 158517903 ref NM_133765.3	1819	13	27.05%	2.0069 95	12	21.39%	1.854 687	-
66446	1037	13	40.60%	3.5204 67	6	20.73%	1.626 652	Exosc7
77766	3902	13	14.51%	0.9356 03	10	10.61%	0.720 501	Elp4
238037	2936	13	12.43%	1.2434 35	8	9.67%	0.766 048	BC0682 81
67087	2686	13	19.40%	1.3591 68	11	14.89%	1.151 354	Ctnnbip1
214345	3103	13	15.82%	1.1765 15	5	6.38%	0.453 013	Lrrc1

100855	4783	13	10.43%	0.7632 71	5	3.30%	0.293 895	Tbc1d14
57913	2900	13	16.86%	1.2588 71	6	10.14%	0.581 668	Lrdd
383196	414	13	36.96%	8.8181 75	9	35.02%	6.111 732	Gm5222
69953	1194	13	37.94%	3.0575 58	9	29.98%	2.119 143	2810025 M15Rik
193838	1521	13	31.36%	2.4002 13	12	33.20%	2.218 064	Eme2
332397	3945	13	12.34%	0.9254 05	17	13.38%	1.211 502	Nanos1
209737	4840	13	12.73%	0.7542 82	18	15.81%	1.045 561	Kif15
75570	1415	13	26.78%	2.5800 17	12	34.70%	2.384 223	Nhej1
270076	2197	13	22.80%	1.6616 86	6	13.38%	0.767 792	Gcdh
68128	1565	13	26.77%	2.3327 31	17	36.29%	3.053 913	Fam120a os
12298	7981	13	7.38%	0.4574 27	23	13.02%	0.810 201	Cacnb4
1E+08	7912	13	5.99%	0.4614 16	15	6.95%	0.533	Gm3414
270906	3827	13	13.01%	0.9539 39	17	11.78%	1.248 857	Prr11
106861	1903	13	26.38%	1.9184 05	13	26.69%	1.920 555	Abhd3
70235	1707	13	31.75%	2.1386 79	5	12.07%	0.823 491	Poc1a
211651	4780	13	12.36%	0.7637 5	5	5.13%	0.294 079	Fancd2
gi 133892656 ref NM_177101.4	1478	13	35.18%	2.4700 44	7	22.33%	1.331 514	-
217653	4038	13	12.26%	0.9040 92	10	12.13%	0.696 235	Misl8bp 1
353499	2346	13	25.92%	1.5561 49	6	10.53%	0.719 027	Tmc4
319953	2074	13	25.31%	1.7602 34	8	17.36%	1.084 435	Ttll1
228662	4979	13	10.66%	0.7332 24	3	2.95%	0.169 395	Btbd3
54615	1007	13	40.52%	3.6253 47	12	38.33%	3.350 224	Npff

14537	4624	13	12.35%	0.7895 17	13	9.97%	0.790 401	Gent1
20972	4192	13	9.83%	0.8708 79	4	2.34%	0.268 263	Syngn1
16189	624	13	49.36%	5.8505 2	2	9.13%	0.901 089	Il4
69544	1806	13	27.30%	2.0214 42	8	19.88%	1.245 358	Wdr5b
56460	2926	13	14.73%	1.2476 84	9	11.69%	0.864 749	Pkp3
21949	2228	13	19.17%	1.6385 66	1	2.20%	0.126 185	Tnfsf8
22173	3307	13	4.02%	1.1039 38	20	4.17%	1.700 27	Tyr
29870	2737	13	20.83%	1.3338 42	2	3.58%	0.205 436	Gtse1
332359	2147	13	15.28%	1.7003 84	13	14.39%	1.702 29	Tigd3
gi 149255610 ref X M_001477334.1	827	13	37.24%	4.4144 19	17	45.47%	5.779 171	-
639281	1469	13	21.24%	2.4851 77	3	6.74%	0.574 145	Gm1038 2
338363	2552	13	17.01%	1.4305 35	19	34.09%	2.093 124	Tmem24 1
66236	1350	13	35.63%	2.7042 4	11	23.11%	2.290 768	1500011 B03Rik
212153	3643	13	13.31%	1.0021 2	6	8.07%	0.463 035	2610015 P09Rik
12850	871	13	43.28%	4.1914 17	11	38.58%	3.550 558	Coq7
210710	2129	13	23.20%	1.7147 6	13	23.44%	1.716 682	Gab3
56321	1844	13	16.05%	1.9797 86	8	11.98%	1.219 695	Aatf
gi 149258260 ref X M_001480473.1	677	13	20.38%	5.3925 03	13	20.38%	5.398 546	-
12502	1023	13	43.99%	3.5686 46	2	9.58%	0.549 638	Cd3g
218341	2807	13	14.71%	1.3005 79	10	16.21%	1.001 566	Rfcsd
381110	1802	13	26.42%	2.0259 29	11	25.86%	1.716 169	Fam82a1
67141	1820	13	30.16%	2.0058 93	7	16.98%	1.081 306	Fbxo5

14062	3296	13	17.69%	1.1076 23	16	20.72%	1.364 756	F2r
668272	1768	13	23.08%	2.0648 89	5	12.84%	0.795 078	Gm9079
56325	3334	13	15.72%	1.0949 98	5	6.09%	0.421 625	Abcb9
1E+08	10281	13	1.24%	0.3550 94	12	2.13%	0.328 147	Gm3871
70207	1351	13	36.12%	2.7022 39	3	10.88%	0.624 292	Taco1
268822	2052	13	20.52%	1.7791 06	9	21.15%	1.233 069	Adck5
1E+08	1414	13	35.15%	2.5818 42	18	46.18%	3.578 864	Gm2701
108075	5322	13	10.15%	0.6859 69	2	1.84%	0.105 652	Ltbp4
223332	4128	13	2.96%	0.8843 81	32	2.98%	2.179 377	Ranbp31
gi 256355141 ref N R_015500.1	2142	12	24.32%	1.5732 49	4	7.98%	0.525 004	-
14696	2751	12	17.48%	1.2249 73	6	8.76%	0.613 173	Gnb4
67885	812	12	51.60%	4.1501 23	10	33.50%	3.462 311	1500011 K16Rik
1E+08	596	12	20.30%	5.6541 94	10	20.64%	4.717 108	Gm4375
14433	1254	12	4.23%	2.6873 2	22	4.31%	4.932 275	Gapdh
20208	607	12	64.25%	5.5517 29	37	80.07%	17.13 701	Saa1
gi 149259403 ref X R_030544.1	2652	12	15.16%	1.2707 01	4	6.71%	0.424 042	-
20335	779	12	28.63%	4.3259 3	15	37.74%	5.413 472	Sec61g
106707	1703	12	25.66%	1.9788 02	10	20.20%	1.650 849	Rpusd1
22750	3921	12	8.72%	0.8594 49	15	14.79%	1.075 515	Zfp9
223646	1890	12	28.36%	1.7830 16	5	11.43%	0.743 756	Naprt1
230751	2152	12	16.50%	1.5659 38	9	13.75%	1.175 77	Oscp1
69770	651	12	52.07%	5.1764 97	18	70.05%	7.773 447	1600002 K03Rik

68816	1215	12	30.78%	2.7735 8	12	29.30%	2.776 688	Ppil1
16456	2482	12	15.07%	1.3577 36	15	23.13%	1.699 071	F11r
16816	1370	12	35.99%	2.4597 81	11	39.34%	2.257 326	Lcat
77252	1125	12	32.98%	2.9954 66	28	68.27%	6.997 254	9430038 I01Rik
382117	3053	12	16.08%	1.1037 99	8	12.81%	0.736 691	D9Ert4 02e
20471	2849	12	16.64%	1.1828 36	11	18.11%	1.085 481	Six1
gi 170172541 ref N M_001033301.3	4091	12	14.37%	0.8237 35	2	2.40%	0.137 443	-
56009	1273	12	33.23%	2.6472 11	9	28.75%	1.987 633	Alyref2
18821	2480	12	18.75%	1.3588 3	4	7.50%	0.453 451	Pln
18392	3027	12	16.45%	1.1132 8	6	9.71%	0.557 264	Orc1
75698	3463	12	15.16%	0.9731 16	10	14.15%	0.811 838	Fam35a
77889	3068	12	5.12%	1.0984 03	8	5.22%	0.733 089	Lbh
gi 71274133 ref N M_001029890.1	5333	12	9.21%	0.6318 96	5	4.59%	0.263 585	-
67019	1703	12	26.89%	1.9788 02	9	24.19%	1.485 765	Actr6
56390	690	12	63.48%	4.8839 12	10	50.43%	4.074 488	Sssca1
108811	1721	12	32.36%	1.9581 05	11	24.46%	1.796 941	Ccdc122
19876	7568	12	7.61%	0.4452 83	2	1.29%	0.074 297	Robo1
246179	3382	12	14.64%	0.9964 22	7	10.14%	0.581 898	Fktn
67826	1837	12	27.16%	1.8344 58	10	21.39%	1.530 428	Snap47
226922	6992	12	7.88%	0.4819 65	7	4.58%	0.281 461	Kcnq5
71365	1773	12	27.86%	1.9006 77	7	18.22%	1.109 97	Pdss2
57373	973	12	48.92%	3.4634 12	25	50.57%	7.223 527	Akip1

65255	3286	12	16.65%	1.0255 32	22	29.31%	1.882 25	Asb4
208194	3905	12	12.57%	0.8629 7	6	7.53%	0.431 969	Exog
21804	3058	12	18.15%	1.1019 95	6	9.61%	0.551 615	Tgfb1i1
328162	2441	12	16.22%	1.3805 41	7	13.27%	0.806 218	Trmt61a
83383	2113	12	21.96%	1.5948 41	1	2.32%	0.133 052	Tfap4
54392	3698	12	15.52%	0.9112 76	9	8.22%	0.684 223	Ncapg
109136	2843	12	18.36%	1.1853 32	5	8.09%	0.494 442	Mmaa
242126	6641	12	8.85%	0.5074 39	25	14.76%	1.058 348	Slc22a15
69487	2732	12	18.63%	1.2334 92	2	3.59%	0.205 812	Ndufaf5
105732	4545	12	12.94%	0.7414 52	12	9.55%	0.742 283	Fam83h
672884	3768	12	7.19%	0.8943 47	4	5.04%	0.298 45	Gm9581
242202	6728	12	8.74%	0.5008 77	6	4.10%	0.250 719	Pde5a
67774	1777	12	24.70%	1.8963 98	15	26.62%	2.373 154	Loh12cr 1
22141	5941	12	9.90%	0.5672 28	1	0.82%	0.047 322	Tub
gi 149264344 ref XR_033686.1	2113	12	22.62%	1.5948 41	6	11.64%	0.798 314	-
233057	2806	12	18.25%	1.2009 62	9	14.04%	0.901 731	Zfp940
18619	1442	12	29.61%	2.3369 62	8	24.06%	1.559 721	Penk
70605	2562	12	21.27%	1.3153 39	10	18.23%	1.097 345	Zdhhc24
105351	2010	12	23.38%	1.6765 67	10	23.68%	1.398 705	AW2094 91
71254	3173	12	11.76%	1.0620 55	6	7.09%	0.531 622	Naif1
gi 149267928 ref XM_001480030.1	1600	12	30.19%	2.1061 87	6	12.31%	1.054 274	-
gi 118129822 ref NM_026257.2	1559	12	28.80%	2.1615 78	7	20.46%	1.262 333	-

14793	1488	12	30.78%	2.2647 17	15	33.40%	2.834 069	Cdca3
26450	2183	12	18.55%	1.5437 01	8	13.19%	1.030 287	Rbbp9
76212	1379	12	11.09%	2.4437 27	17	7.54%	3.465 826	6530403 M18Rik
13196	4612	12	5.03%	0.7306 81	4	2.58%	0.243 833	Asap1
224829	4560	12	11.82%	0.7390 13	5	5.37%	0.308 267	Trerf1
gi 149274920 ref X M_001475919.1	402	12	70.90%	8.3828 35	3	34.83%	2.098 057	-
219249	2717	12	16.56%	1.2403 02	7	10.89%	0.724 32	Tdrd3
269582	5011	12	11.08%	0.6725	9	7.04%	0.504 941	Clspn
74843	1829	12	29.25%	1.8424 82	9	17.39%	1.383 41	Zmynd1 7
71862	2206	12	24.52%	1.5276 06	12	21.08%	1.529 318	Gpr160
gi 256355052 ref N R_015585.1	1878	12	23.48%	1.7944 09	6	15.18%	0.898 21	-
75578	1910	12	16.34%	1.7643 45	12	15.39%	1.766 322	Fggy
207798	3506	12	13.66%	0.9611 81	8	9.18%	0.641 505	Gramd1c
26905	3587	12	2.20%	0.9394 76	18	7.58%	1.410 793	Eif2s3x
240186	3209	12	15.05%	1.0501 4	10	13.59%	0.876 097	Zfp438
66457	1495	12	25.69%	2.2541 13	10	26.56%	1.880 533	2810002 D19Rik
14453	2137	12	23.58%	1.5769 3	3	6.88%	0.394 674	Gas2
69747	776	12	47.94%	4.3426 54	3	18.94%	1.086 88	Zswim7
gi 149274557 ref X M_911416.3	381	12	86.09%	8.8448 81	3	38.58%	2.213 698	-
58229	2754	12	12.45%	1.2236 38	10	15.18%	1.020 841	Ccdc48
23834	4608	12	12.07%	0.7313 15	11	10.11%	0.671 123	Cdc6
gi 118130093 ref N M_153582.4	1298	12	36.83%	2.5962 25	7	22.65%	1.516 162	-

20522	3009	12	13.23%	1.1199 4	17	19.38%	1.588 36	Slc23a1
170936	2869	12	17.60%	1.1745 9	7	10.32%	0.685 945	Zfp369
12176	1756	12	20.33%	1.9190 77	6	9.91%	0.960 614	Bnip3
333654	3130	12	14.63%	1.0766 45	14	12.49%	1.257 494	Ppp1r13l
72754	4525	12	6.81%	0.7447 29	9	6.94%	0.559 173	Arhgef1 0l
gi 142363757 ref N M_009685.2	2593	12	22.33%	1.2996 14	4	5.82%	0.433 69	-
67917	3089	12	18.39%	1.0909 35	10	13.37%	0.910 132	Zcchc3
56873	4949	12	10.97%	0.6809 25	16	14.08%	0.908 918	Lmbr1
19881	1526	12	29.69%	2.2083 22	4	12.12%	0.736 932	Rom1
12511	3034	12	16.02%	1.1107 12	2	3.23%	0.185 326	Cd6
76464	6525	12	8%	0.5164 6	4	3%	0.172 346	Casc5
227120	6555	12	7.78%	0.5140 96	9	4.45%	0.386 004	Plc1l
gi 149271098 ref X R_032115.1	4288	12	2.61%	0.7858 91	20	2.64%	1.311 286	-
gi 171906570 ref N M_026203.2	4833	12	11.32%	0.6972 69	11	9.64%	0.639 879	-
108816	4551	12	5.03%	0.7404 75	17	4.31%	1.050 181	4933409 K07Rik
gi 118131121 ref N M_001033209.2	3383	12	16.29%	0.9961 28	14	16.61%	1.163 451	-
258783	1960	12	25.87%	1.7193 37	3	7.50%	0.430 316	Olfir920
170439	5951	12	9.88%	0.5662 75	6	4.54%	0.283 455	Elovl6
68010	5040	12	9.66%	0.6686 31	20	10.67%	1.115 634	Bambi
1E+08	2514	12	20.92%	1.3404 53	9	14.80%	1.006 467	LOC100 044193
269529	4655	12	12.63%	0.7239 31	8	7.09%	0.483 162	Fbxo10
gi 94372757 ref X M_485486.4	4819	12	10.35%	0.6992 94	11	10.13%	0.641 738	-

71846	1230	12	27.89%	2.7397 56	5	14.31%	1.142 844	Syce2
gi 149263902 ref X M_001474366.1	1642	12	26.98%	2.0523 14	13	27.28%	2.225 832	-
12006	4279	12	12.67%	0.7875 44	12	13.53%	0.788 426	Axin2
327942	1657	12	30.96%	2.0337 35	10	24.92%	1.696 679	Pigl
69876	1133	12	35.39%	2.9743 16	5	21.62%	1.240 687	Thap3
67590	2754	12	17.10%	1.2236 38	6	10.68%	0.612 505	Tctn3
241547	2321	12	20.55%	1.4519 17	8	15.47%	0.969 029	Harbi1
55951	907	12	13.89%	3.7154 35	9	16.21%	2.789 699	Mpc1
22156	2564	12	17.43%	1.3143 13	16	23.32%	1.754 382	Tuft1
320802	3230	12	11.86%	1.0433 13	17	10.99%	1.479 682	Ifitm10
72297	2103	12	20.97%	1.6024 25	4	9.32%	0.534 74	B3gnt3
70425	4394	12	7.51%	0.7669 32	5	3.87%	0.319 913	Csnk1g3
gi 147903348 ref N M_023124.4	1183	12	26.37%	2.8486 05	4	8.96%	0.950 599	-
102920	3148	12	17.28%	1.0704 89	11	16.52%	0.982 381	Cenpi
66938	2234	12	23.28%	1.5084 6	16	29.01%	2.013 534	Sh3d21
109648	561	12	46.35%	6.0069 51	9	55.44%	4.510 262	Npy
gi 94410324 ref X M_914633.2	423	12	67.38%	7.9666 66	8	53.66%	5.317 062	-
217705	3357	12	7.48%	1.0038 43	22	7.83%	1.842 44	Fam161b
17436	3257	12	10.62%	1.0346 64	5	5.37%	0.431 593	Me1
57028	2018	12	21.36%	1.6699 2	4	9.71%	0.557 264	Pdpx
224024	3309	12	13.39%	1.0184 04	16	20.64%	1.359 394	Scarf2
223642	3338	12	8.12%	1.0095 56	12	7.10%	1.010 688	Zc3h3

1E+08	4548	12	11.30%	0.7409 63	2	2.15%	0.123 632	Gm1082 5
18762	4283	12	11.56%	0.7868 08	6	6.47%	0.393 845	Prkcz
330173	945	12	34.71%	3.5660 31	11	35.45%	3.272 525	2610524 H06Rik
gi 149253392 ref X M_001471847.1	2507	12	12.60%	1.3441 96	13	13.56%	1.457 844	-
78214	3600	12	14.44%	0.9360 83	12	9.97%	0.937 132	4930589 O11Rik
gi 281332115 ref N R_024201.2	3034	12	15.52%	1.1107 12	7	9.99%	0.648 641	-
gi 149274184 ref X R_005086.2	2771	12	14.87%	1.2161 31	9	12.74%	0.913 121	-
668212	6547	12	7.84%	0.5147 24	11	4.46%	0.472 359	Efr3b
327762	4122	12	13.54%	0.8175 4	3	3.37%	0.204 614	Dna2
11951	805	12	17.89%	4.1862 11	4	8.07%	1.396 967	Atp5g1
22746	2218	12	24.30%	1.5193 42	10	19.03%	1.267 537	Zfp85-rs 1
68512	701	12	36.09%	4.8072 75	12	46.65%	4.812 662	Tomm5
106344	1231	12	36.88%	2.7375 3	8	24.78%	1.827 065	Rfc4
107522	3436	12	5.73%	0.9807 62	20	7.01%	1.636 436	Ece2
76375	2217	12	17.55%	1.5200 27	6	6.09%	0.760 865	Det1
gi 6680406 ref NM _008357.1	1250	12	34.48%	2.6959 2	20	44.32%	4.498 235	-
109246	3930	12	14.48%	0.8574 81	26	26.67%	1.859 957	Tspan9
78795	5157	12	11.40%	0.6534 61	9	8.20%	0.490 645	Armc9
231633	2132	12	23.64%	1.5806 28	3	6.89%	0.395 6	Tmem11 9
170742	1356	12	28.47%	2.4851 77	6	21.68%	1.243 981	Sertad3
210004	2866	12	17.83%	1.1758 2	10	14.03%	0.980 948	B3gnt11
224840	1745	12	26.88%	1.9311 75	10	25.27%	1.611 116	Trem14

79560	2155	12	19.63%	1.5637 58	12	13.97%	1.565 511	Ublecp1
gi 149274751 ref X M_001473125.1	426	12	54.93%	7.9105 62	3	19.95%	1.979 857	-
57810	7236	12	8.13%	0.4657 13	8	4.78%	0.310 823	Cdon
13637	2153	12	24.29%	1.5652 11	2	4.55%	0.261 161	Efna2
319190	2618	12	20.63%	1.2872 04	9	14.02%	0.966 485	Hist2h2b e
433470	672	11	48.96%	4.5968 37	8	37.65%	3.346 901	AA4671 97
231570	6756	11	7.79%	0.4572 34	1	0.73%	0.041 613	A830010 M20Rik
75939	2004	11	21.36%	1.5414 54	9	17.81%	1.262 603	4930579 G24Rik
56410	4723	11	3.71%	0.6540 49	6	2.16%	0.357 154	Cbln3
213011	2765	11	14.68%	1.1172 06	8	14.10%	0.813 424	Zfp583
73739	1119	11	31.64%	2.7605 67	9	32.44%	2.261 177	Cby1
29820	4639	11	10.74%	0.6658 92	2	2.11%	0.121 207	Tnfrsf19
101122	1269	11	28.21%	2.4342 59	8	26.48%	1.772 354	Rpusd3
gi 83999996 ref N M_001038010.1	3095	11	10.40%	0.9980 85	22	12.86%	1.998 408	-
71816	3785	11	12.02%	0.8161 36	3	3.88%	0.222 832	Rnf180
gi 256355068 ref N R_015606.1	2945	11	8.62%	1.0489 22	11	8.86%	1.050 097	-
gi 149255608 ref X M_001477291.1	534	11	37.08%	5.7847 84	4	36.70%	2.105 915	-
385354	4647	11	6.67%	0.6647 46	20	7.42%	1.209 983	Frmd7
12295	1996	11	24.85%	1.5476 33	2	2.45%	0.281 703	Cacnb1
235050	3238	11	14.18%	0.9540 07	2	3.03%	0.173 65	Zfp810
53885	2260	11	22.48%	1.3668 47	15	27.48%	1.865 971	Nphp1
546134	1368	11	27.63%	2.2580 95	6	21.49%	1.233 069	Gramd2

230661	3032	11	15.57%	1.0188 24	11	15.07%	1.019 966	Tesk2
668807	1918	11	12.46%	1.6105 71	13	18.61%	1.905 535	Gm9371
243372	4083	11	12.81%	0.7565 7	5	5.51%	0.344 281	Zfp775
233067	2861	11	18.70%	1.0797 18	5	8.56%	0.491 331	Lrfn3
239102	8738	11	5.54%	0.3535 22	10	4.59%	0.321 744	Zfhx2
18846	6964	11	6.88%	0.4435 78	5	3.52%	0.201 852	Plxna3
gi 149268352 ref X M_001476159.1	2186	11	19.49%	1.4131 17	17	25.16%	2.186 356	-
22690	4161	11	11.87%	0.7423 88	6	7.07%	0.405 392	Zfp28
56513	1291	11	34.86%	2.3927 77	11	30.75%	2.395 458	Pard6a
432769	2567	11	16.13%	1.2033 79	5	9.12%	0.547 604	Zfp708
1E+08	3445	11	12.57%	0.8966 83	19	20.90%	1.550 553	Gm1576 0
73467	3008	11	12.83%	1.0269 53	11	14.69%	1.028 104	1700066 M21Rik
gi 149274425 ref X M_001003625.2	360	11	73.89%	8.5807 63	1	13.61%	0.780 944	-
70237	2843	11	17.52%	1.0865 55	-	-	-	Bhlhb9
433752	1919	11	27.72%	1.6097 31	7	17.77%	1.025 522	AA4153 98
22163	1155	11	32.03%	2.6745 23	3	8.48%	0.730 233	Tnfrsf4
791299	3922	11	7.16%	0.7876 27	9	5.02%	0.645 145	Gm1006 9
21821	3097	11	16.08%	0.9974 41	7	10.88%	0.635 446	Ift88
67052	2201	11	19.08%	1.4034 87	2	4.45%	0.255 465	Ndc80
67441	1065	11	40%	2.9005 4	2	9.20%	0.527 962	Isoc2b
246104	3767	11	13.01%	0.8200 36	7	9.11%	0.522 426	Rhbdl3
29856	3397	11	14.04%	0.9093 54	16	18.31%	1.324 179	Smtn

94089	1366	11	24.38%	2.2614 02	10	31.48%	2.058 123	Trim7
21936	1007	11	41.11%	3.0676 01	8	29%	2.233 483	Tnfrsf18
12659	2525	11	19.09%	1.2233 96	3	5.82%	0.334 027	Ovgp1
105428	1819	11	23.36%	1.6982 27	6	15.50%	0.927 344	Fam149b
66971	1970	11	21.52%	1.5680 58	5	11.83%	0.713 552	Cdk5rap 1
12905	1650	11	28.36%	1.8721 66	17	35.70%	2.896 59	Cradd
17865	3702	11	12.75%	0.8344 34	7	8.70%	0.531 598	Mybl2
633057	1624	11	14.35%	1.9021 4	5	12.07%	0.865 578	Gm7102
72658	1187	11	29.15%	2.6024 22	13	48.78%	3.079 036	2700097 O09Rik
56149	2025	11	25.04%	1.5254 69	19	34.62%	2.637 854	Grasp
238024	2028	11	21.79%	1.5232 12	2	4.83%	0.277 258	Fn3krp
230577	3075	11	15.32%	1.0045 77	4	6.37%	0.365 71	Pars2
268670	3482	11	12.98%	0.8871 55	2	2.81%	0.161 482	Zfp759
100163	3144	11	16.06%	0.9825 3	8	10.43%	0.715 368	Pafah2
23961	1848	11	24.30%	1.6715 77	6	11.26%	0.912 791	Oas1b
23960	1993	11	20.52%	1.5499 62	22	32.92%	3.103 398	Oas1g
328795	2953	11	15.81%	1.0460 8	4	6.64%	0.380 819	Ubash3a
69908	3320	11	13.16%	0.9304 44	9	10.84%	0.762 126	Rab3b
72205	2312	11	21.97%	1.3361 05	10	15.92%	1.216 002	Eml2
gi 118129918 ref N M_013502.2	2254	11	11.31%	1.3704 86	9	7.94%	1.122 563	-
240665	3819	11	12.54%	0.8088 7	10	12.33%	0.736 16	Ccnj
16842	2460	11	18.78%	1.2557 21	-	-	-	Lef1

56291	4258	11	4.79%	0.7254 75	7	2.63%	0.462 184	Styx
gi 262073013 ref N R_029442.1	1371	11	14.22%	2.2531 54	11	11.31%	2.255 679	-
102371	2283	11	18.53%	1.3530 77	2	4.29%	0.246 29	Myzap
93706	4687	11	10.84%	0.6590 73	5	5.23%	0.299 914	Pcdhgc3
408062	2300	11	19.91%	1.3430 76	4	8.52%	0.488 939	Zfp873
gi 149260666 ref X R_031765.1	708	11	30.93%	4.3631	7	38.56%	2.779 629	-
209488	1225	11	39.02%	2.5216 94	2	8%	0.459 004	Hsh2d
207704	2932	11	12.69%	1.0535 73	16	18.83%	1.534 186	Gtpbp10
23830	2877	11	17.03%	1.0737 14	8	10.78%	0.781 758	Capn10
gi 149254559 ref X M_001473799.1	3181	11	15.78%	0.9711 02	7	9.71%	0.618 666	-
381306	2930	11	15.09%	1.0542 92	9	10.75%	0.863 569	BC0553 24
218461	4619	11	10.26%	0.6687 76	11	9.59%	0.669 525	Pde8b
20447	3885	11	12.82%	0.7951 29	2	2.52%	0.144 731	St6galna c3
622665	2003	11	23.86%	1.5422 24	5	12.23%	0.701 796	Ccdc17
240055	6195	11	8.22%	0.4986 4	8	5.60%	0.363 054	Neur11b
52428	3439	11	12.71%	0.8982 48	12	15.73%	0.981 005	Rhpn2
56332	4191	11	11.81%	0.7370 73	13	13.79%	0.872 063	Amotl2
223732	4447	11	11.36%	0.6946 42	5	5.51%	0.316 1	Ldoc11
53878	1570	11	26.18%	1.9675 63	1	3.12%	0.179 07	Svs2
74580	3119	11	15.52%	0.9904 05	22	31.23%	1.983 031	Pyroxd2
67486	3060	11	12.88%	1.0095 02	13	16.90%	1.194 384	Polr3g
66050	795	11	51.82%	3.8856 28	12	43.90%	4.243 618	0610009 B22Rik

72155	1768	11	21.72%	1.7472 14	7	18.50%	1.113 11	Cenpn
68145	4192	11	10.95%	0.7368 98	9	9.64%	0.603 592	Etaa1
620695	1291	11	25.79%	2.3927 77	7	20.14%	1.524 382	Gm1388 9
16206	4966	11	10.85%	0.6220 45	6	5.60%	0.339 677	Lrig1
211666	593	11	48.57%	5.2092 32	2	16.53%	0.948 194	Mgst2
69206	1558	11	25.03%	1.9827 18	1	3.15%	0.180 449	2010016 I18Rik
gi 149260273 ref X R_032014.1	6308	11	0.82%	0.4897 07	9	1.60%	0.401 119	-
381045	1096	11	35.95%	2.8184 99	15	45.07%	3.847 714	Ccdc58
22637	2180	11	20.92%	1.4170 07	2	4.50%	0.257 926	Zap70
68567	1350	11	25.33%	2.2882 03	5	15.63%	1.041 258	Cgref1
56306	2640	11	9.96%	1.1701 04	4	5.95%	0.425 969	Fam60a
gi 149260802 ref X M_001476918.1	1916	11	21.71%	1.6122 52	33	41.34%	4.842 176	-
gi 149262111 ref X R_030688.1	4053	11	12.26%	0.7621 7	13	13.69%	0.901 756	-
67306	3361	11	14.43%	0.9190 94	7	8.72%	0.585 533	Fam164a
226419	2072	11	21.24%	1.4908 66	9	17.71%	1.221 166	Dyrk3
78038	2146	11	21.39%	1.4394 57	12	22.79%	1.572 076	Mccc2
58894	6137	11	8.42%	0.5033 53	7	5%	0.320 674	Zfp862
gi 149247770 ref X M_001475637.1	1031	11	12.03%	2.9961 93	6	12.32%	1.636 118	-
16571	4712	11	11.25%	0.6555 76	11	9.89%	0.656 311	Kif4
68185	834	11	47.84%	3.7039 26	12	44.36%	4.045 175	Chchd8
67516	3015	11	17.84%	1.0245 69	14	19.80%	1.305 458	Kctd4
gi 29789332 ref N M_133850.1	3467	11	12.23%	0.8909 94	18	9.43%	1.459 623	-

619329	2281	11	16.75%	1.3542 63	3	6.44%	0.369 758	F420015 M19Rik
73420	2719	11	17.03%	1.1361 07	9	11.22%	0.930 584	1700054 N08Rik
240120	1897	11	23.62%	1.6284	7	13.65%	1.037 416	Zfp119b
227377	3929	11	12.78%	0.7862 24	4	4.02%	0.286 22	Farp2
110902	3527	11	14.20%	0.8758 36	4	5.56%	0.318 843	Chrna2
107995	1793	11	24.21%	1.7228 53	4	10.93%	0.627 194	Cdc20
66084	1849	11	22.71%	1.6706 73	9	16.71%	1.368 446	Rmnd1
65246	15118	11	3.10%	0.2043 31	11	2.46%	0.204 56	Xpo7
1E+08	2093	11	7.55%	1.4759 08	4	3.15%	0.537 295	Gm3322
11482	3625	11	10.54%	0.8521 59	6	8.11%	0.465 335	Acvr11
73942	1398	11	30.54%	2.2096 38	11	34.55%	2.212 115	Fam151b
20315	5670	11	2.59%	0.5448 1	38	9.68%	1.884 181	Cxcl12
gi 149247781 ref X M_001475719.1	1480	11	22.09%	2.0872 13	7	14.39%	1.329 715	-
1E+08	3287	11	6.24%	0.9397 85	6	3.95%	0.513 185	Gm2282
13605	4095	11	10.40%	0.7543 53	9	10.77%	0.617 889	Ect2
52014	4614	11	5.22%	0.6695	7	4.29%	0.426 523	Nus1
208501	494	11	68.02%	6.2531 87	12	71.66%	6.829 304	1810043 H04Rik
73747	1501	11	32.18%	2.0580 11	8	22.98%	1.498 413	1110034 G24Rik
106795	1773	11	21.09%	1.7422 87	9	22.84%	1.427 105	Tcf19
654824	921	11	40.28%	3.3540 44	5	21.72%	1.526 274	Ankrd37
233071	4415	11	10.53%	0.6996 77	18	14.77%	1.146 209	Arhgap3 3
gi 149253007 ref X M_986119.2	7306	11	2.41%	0.4228 13	4	1.96%	0.153 923	-

77777	1819	11	23.58%	1.6982 27	7	11.60%	1.081 901	Ulbp1
279499	3035	11	16.71%	1.0178 17	10	13.84%	0.926 325	Kctd19
68021	1224	11	34.40%	2.5237 54	11	35.62%	2.526 582	Bph1
64384	1484	11	28.23%	2.0815 87	10	31.13%	1.894 472	Sirt3
23947	5916	11	9.11%	0.5221 56	6	4.97%	0.285 132	Mid2
414085	2546	11	17.87%	1.2133 05	8	12.37%	0.883 392	9330151 L19Rik
17199	3670	11	8.77%	0.8417 1	23	4.96%	1.761 911	Mc1r
77697	3021	11	14.96%	1.0225 34	9	13.47%	0.837 556	Mmab
69634	1257	11	33.97%	2.4574 98	20	47.81%	4.473 185	Clybl
gi 94410546 ref X M_619451.3	1275	11	26.75%	2.4228 04	11	20.78%	2.425 519	-
60594	2828	11	13.47%	1.0923 18	16	17.15%	1.590 606	Capn12
11637	1691	11	9.52%	1.8267 74	9	5.50%	1.496 308	Ak2
14760	2075	11	16.67%	1.4887 11	13	23.61%	1.761 357	Gpr19
72556	1692	11	23.23%	1.8256 94	6	17.38%	0.996 949	Zfp566
27401	6196	11	7.59%	0.4985 59	12	8.42%	0.544 493	Skp2
231991	2873	11	18.76%	1.0752 09	5	8.53%	0.489 279	Creb5
20356	10809	11	4.99%	0.2857 87	7	2.78%	0.182 068	Sema5a
68001	1163	11	36.20%	2.6561 26	6	24.16%	1.450 42	1110004 E09Rik
211429	3878	11	10.88%	0.7965 64	11	12.07%	0.797 456	Pla2g4b
gi 149259147 ref X M_981877.2	3672	11	5.75%	0.8412 51	11	7.03%	0.842 194	-
229780	3159	11	14.18%	0.9778 65	7	10.48%	0.622 975	Trmt13
216767	753	11	30.28%	4.1023 57	17	51.53%	6.347 111	Mrpl22

1E+08	3236	11	12.24%	0.9545 97	8	9.95%	0.695 03	Zfp955b
240261	2818	11	15.19%	1.0961 94	12	17.42%	1.197 188	Ccdc112
16399	3437	11	11.90%	0.8987 71	6	8.55%	0.490 788	Itga2b
20944	610	11	62.46%	5.0640 57	-	-	-	Svs5
gi 149250308 ref X M_905642.3	3209	11	2.27%	0.9626 28	17	6.11%	1.489 366	-
67824	1186	11	27.74%	2.6046 16	14	37.69%	3.318 681	Nmral1
320226	4525	11	11.91%	0.6826 68	15	13.88%	0.931 955	Ccdc171
gi 227497227 ref N M_021567.4	2080	11	20.24%	1.4851 32	10	20.24%	1.351 633	-
211798	3152	11	15.55%	0.9800 36	2	3.11%	0.178 388	Mfsd9
gi 149262697 ref X M_001475721.1	2812	11	13.12%	1.0985 33	9	12.30%	0.899 807	-
106522	2454	11	10.51%	1.2587 92	13	15.12%	1.489 33	Pkdcc
415115	1156	11	37.98%	2.6722 1	8	30.97%	1.945 603	Neur12
78779	2380	11	16.81%	1.2979 31	10	14.37%	1.181 259	Spata21
606735	949	11	6.11%	3.2550 84	12	16.54%	3.554 98	A330069 E16Rik
gi 149253692 ref X M_001475371.1	8117	11	4.42%	0.3805 69	4	2.01%	0.138 544	-
320827	6835	11	7.21%	0.4519 49	8	2.97%	0.329 059	C530008 M17Rik
217325	3557	11	12.51%	0.8684 49	2	2.76%	0.158 077	Llg12
434280	5092	11	4.91%	0.6066 53	12	4.65%	0.662 544	Gm5607
54216	7741	11	4.43%	0.3990 54	10	4.43%	0.363 183	Pcdh7
320407	3913	11	10.96%	0.7894 39	9	9.17%	0.646 628	Klri2
14866	911	11	34.36%	3.3908 61	8	28.65%	2.468 844	Gstm5
328277	2998	11	17.88%	1.0303 78	8	11.34%	0.750 206	Gm5085

71916	1768	11	25.45%	1.7472 14	14	29.58%	2.226 219	Dus4l
433036	742	11	46.63%	4.1631 73	2	7.14%	0.757 789	Gm5488
27414	1460	11	29.32%	2.1158 05	8	21.92%	1.540 491	Sergef
11515	4457	11	12.09%	0.6930 84	13	12.47%	0.820 017	Adcy9
78372	838	11	45.70%	3.6862 47	19	69.57%	6.374 288	Snrnp25
19016	1857	11	25.79%	1.6634 76	6	14.92%	0.908 367	Pparg
66789	910	11	41.43%	3.3945 87	21	70.55%	6.487 838	Alg14
gi 254910955 ref NM_025476.5	1873	11	20.82%	1.6492 66	18	33.96%	2.701 823	-
54635	3512	11	13.21%	0.8795 77	5	6.15%	0.400 256	Pdgfc
628205	1509	11	26.84%	2.0471	2	6.49%	0.372 617	LOC628 205
gi 256355136 ref NM_R_015497.1	1979	11	22.39%	1.5609 27	25	33.10%	3.551 537	-
19355	1500	11	32.67%	2.0593 83	22	51.80%	4.123 382	Rad1
gi 170932489 ref NM_153396.2	2899	11	12.59%	1.0655 66	4	6.76%	0.387 913	-
66398	998	10	38.78%	2.8138 77	8	30.86%	2.253 625	Comm5
108052	3880	10	12.63%	0.7237 76	3	3.79%	0.217 376	Slc14a1
329910	5668	10	7.34%	0.4954 57	6	5.19%	0.297 607	Acot11
gi 149274942 ref XM_001471787.1	659	10	17%	4.2613 8	13	20.64%	5.546 002	-
66401	929	10	43.49%	3.0228 74	12	39.40%	3.631 513	Nudt2
224481	1360	10	33.01%	2.0648 89	6	20.15%	1.240 322	Tfb1m
14087	4541	10	10.75%	0.6184 21	6	6.47%	0.371 468	Fanca
12228	1389	10	5.33%	2.0217 78	13	5.90%	2.631 257	Btg3
109082	1832	10	26.75%	1.5328 87	7	17.90%	1.074 224	Fbxw17

74931	2125	10	17.88%	1.3215 29	3	6.68%	0.396 903	4930481 A15Rik
68507	6067	10	7.42%	0.4628 73	9	7.27%	0.417 052	Ppfia4
213211	2294	10	17.57%	1.2241 72	9	16.13%	1.102 989	Rnf26
gi 256223152 ref N M_001164324.1	2696	10	14.76%	1.0416 36	10	17.36%	1.042 803	-
21819	8462	10	5.33%	0.3318 66	4	2.32%	0.132 895	Tg
gi 83921619 ref N M_019756.2	1877	10	22.27%	1.4961 37	9	21.20%	1.348 032	-
338349	5530	10	8.86%	0.5078 21	21	17.11%	1.067 619	Cntln
236266	10005	10	4.48%	0.2806 85	8	3.69%	0.224 799	Alms1
118453	2311	10	19.47%	1.2151 66	12	20.99%	1.459 834	Mmp28
106564	1440	10	22.43%	1.9501 73	6	20.42%	1.171 415	Ppcs
22779	9457	10	5.18%	0.2969 49	4	2.07%	0.118 913	Ikzf2
12724	3670	10	11.36%	0.7651 91	5	5.34%	0.383 024	Clcn2
244721	2755	10	12.96%	1.0193 28	4	7.11%	0.408 188	Zfp846
118446	3515	10	8.48%	0.7989 33	11	7.31%	0.879 811	Gjc3
66531	1440	10	27.71%	1.9501 73	8	20.76%	1.561 887	2310061 C15Rik
66497	1171	10	36.89%	2.3981 64	14	50.56%	3.361 192	2610528 E23Rik
gi 156713431 ref N M_027539.4	4061	10	11.20%	0.6915 17	3	3.62%	0.207 688	-
320472	6315	10	7.76%	0.4446 95	8	6.21%	0.356 155	Ppm1e
12258	1837	10	24.01%	1.5287 15	2	5.33%	0.306 086	Serping1
70729	2973	10	14.19%	0.9445 84	5	7.03%	0.472 821	Nos1ap
71492	2598	10	18.01%	1.0809 27	14	20.44%	1.514 994	Bbs7
224705	2766	10	10.88%	1.0152 75	11	12.18%	1.118 054	Vps52

67574	1640	10	18.23%	1.7123 47	12	29.15%	2.057 119	Alg13
15116	2107	10	18.13%	1.3328 19	34	53.63%	4.536 663	Has1
gi 149274959 ref X M_984041.2	492	10	41.67%	5.7078 24	1	9.96%	0.571 422	-
11688	3269	10	4.71%	0.8590 55	7	3.40%	0.602 012	Alox8
14525	3364	10	13.11%	0.8347 95	1	1.46%	0.083 573	Gcsam
381371	643	10	50.23%	4.3674 18	2	15.24%	0.874 462	Gm1631
52466	1990	10	19.45%	1.4111 81	5	12.31%	0.706 381	Slc46a1
12046	444	10	30.63%	6.3248 87	15	19.59%	9.497 962	Bcl2a1c
gi 149274694 ref X R_031790.1	878	10	10.71%	3.1984 62	5	7.74%	1.601 023	-
60530	2974	10	15.47%	0.9442 67	5	8.24%	0.472 663	Figl1
217946	2626	10	15.23%	1.0694 02	14	24.87%	1.498 841	Cdca7l
224440	1827	10	21.67%	1.5370 82	11	21.29%	1.692 685	Setd4
65105	1182	10	11.42%	2.3758 46	4	10.15%	0.951 403	Arl6ip4
103743	1444	10	27.08%	1.9447 71	4	13.57%	0.778 78	Tmem98
74600	899	10	23.92%	3.1237 48	7	34.59%	2.189 074	Mrpl47
381633	429	10	48.02%	6.5460 36	20	64.57%	13.10 674	Gm1673
56330	642	10	38.16%	4.3742 21	12	21.34%	5.254 947	Pdcd5
242409	4787	10	9.53%	0.5866 41	5	5.12%	0.293 649	Tmem8b
280645	4367	10	8.70%	0.6430 62	7	7.60%	0.450 647	B3gat2
67417	1862	10	16.17%	1.5081 9	6	12.62%	0.905 928	Ears2
18693	2042	10	20.67%	1.3752 45	7	13.61%	0.963 75	Pick1
gi 149274549 ref X M_001472605.1	488	10	36.89%	5.7546 1	4	20.29%	2.304 423	-

238023	2164	10	19.22%	1.2977 12	8	17.98%	1.039 333	Hexdc
595136	540	10	30%	5.2004 62	11	21.30%	5.726 919	Ndufs5
58251	1993	10	19.97%	1.4090 57	10	20.72%	1.410 636	BC1004 51
gi 256355010 ref N R_015553.1	3030	10	14.32%	0.9268 15	16	20.20%	1.484 566	-
gi 149264239 ref X M_001474907.1	733	10	32.74%	3.8311 73	10	55.25%	3.835 466	-
gi 149269447 ref X M_001479881.1	426	10	14.79%	6.5921 35	13	14.55%	8.579 379	-
213402	4865	10	9.06%	0.5772 35	7	6.91%	0.404 517	Armc2
56213	2051	10	20.04%	1.3692 1	6	14.24%	0.822 447	Htra1
216188	6030	10	5.75%	0.4657 13	12	8.01%	0.559 482	Aldh112
215257	1647	10	18.88%	1.7050 7	16	18.21%	2.731 169	Il1f9
22759	2763	10	15.06%	1.0163 77	5	5.54%	0.508 758	Zfp97
54219	2209	10	18.11%	1.2712 76	6	13.31%	0.763 621	Cd320
gi 142345660 ref N M_026992.2	1189	10	28.34%	2.3618 58	9	27.50%	2.128 055	-
68852	2583	10	16.80%	1.0872 05	6	10.22%	0.653 054	Lrrn4c1
50724	1549	10	17.75%	1.8129 44	6	10.78%	1.088 985	Sap30l
gi 114842408 ref N M_177811.3	3321	10	10.60%	0.8456 04	5	5.90%	0.423 276	-
14708	3425	10	12.41%	0.8199 27	11	14.74%	0.902 93	Gng7
66273	893	10	34.38%	3.1447 36	13	50.95%	4.092 739	1810020 D17Rik
216829	1883	10	14.50%	1.4913 7	9	21.77%	1.343 737	Mmgt2
76031	1297	10	22.90%	2.1651 89	8	24.67%	1.734 092	5830448 L01Rik
330660	3459	10	6.59%	0.8118 67	7	4.34%	0.568 944	Btbd16
277154	7422	10	6.60%	0.3783 68	3	1.98%	0.113 638	Nynrin

15490	4574	10	9.93%	0.6139 59	6	6.43%	0.368 788	Hsd17b7
71703	3385	10	8.45%	0.8296 16	8	7.06%	0.664 436	Armcx3
53627	1896	10	20.20%	1.4811 44	7	13.45%	1.037 963	Porcn
22691	2302	10	14.64%	1.2199 17	5	10.64%	0.610 642	Zscan2
59033	11811	10	3.49%	0.2377 66	6	2.04%	0.142 819	Slc4a8
432494	2591	10	8.07%	1.0838 48	10	6.02%	1.085 062	Gm5427
17831	7123	10	6.88%	0.3942 51	4	2.75%	0.157 877	Muc2
68121	2608	10	15.91%	1.0767 83	7	9.59%	0.754 593	Cep70
216119	4538	10	6.77%	0.6188 3	5	4.74%	0.309 762	Ybey
66406	1374	10	34.43%	2.0438 5	11	29.69%	2.250 754	Sac3d1
75565	1174	10	25.04%	2.3920 35	5	18.48%	1.197 358	Ccdc101
234796	2156	10	19.43%	1.3025 28	8	15.49%	1.043 19	Klhl36
gi 270309115 ref N M_145578.2	1192	10	20.05%	2.3559 14	7	17.20%	1.650 988	-
12322	4966	10	8.16%	0.5654 95	9	8.88%	0.509 516	Camk2a
67305	1214	10	30.56%	2.3132 2	18	43.41%	4.168 463	Gpx7
627268	2318	10	18.25%	1.2114 97	2	4.23%	0.242 571	Gm1523 2
gi 16905078 ref N M_054044.1	5520	10	8.53%	0.5087 41	2	1.78%	0.101 862	-
19212	3620	10	12.10%	0.7757 6	8	7.04%	0.621 303	Pter
226154	2825	10	15.82%	0.9940 71	10	12.39%	0.995 185	Lzts2
76367	4413	10	10.38%	0.6363 58	9	7.91%	0.573 364	Trp53rk
73368	4189	10	10.67%	0.6703 87	16	15.85%	1.073 821	Col20a1
16424	3077	10	14.69%	0.9126 58	5	6.76%	0.456 841	Itih1

67694	2128	10	20.72%	1.3196 66	9	20.72%	1.189 031	Ift74
12825	5564	10	7.14%	0.5047 18	1	0.88%	0.050 528	Col3a1
73586	1128	10	27.22%	2.4895 83	3	13.03%	0.747 712	1700101 C01Rik
212427	2214	10	14.77%	1.2684 05	3	5.69%	0.380 948	A730008 H23Rik
68865	1165	10	29.87%	2.4105 15	8	29.36%	1.930 573	Arv1
66340	670	10	21.19%	4.1914 17	5	16.42%	2.098 057	Psenen
75387	1645	10	22.01%	1.7071 43	10	27.78%	1.709 056	Sirt4
666704	2071	10	16.61%	1.3559 87	8	12.55%	1.086 005	Samd1
214254	2592	10	14.81%	1.0834 3	11	15.24%	1.193 108	Nudt15
69309	2528	10	17.37%	1.1108 58	8	15.19%	0.889 682	Slc16a13
66251	2618	10	7.37%	1.0726 7	5	6.68%	0.536 936	Arfgap3
170740	5021	10	8.88%	0.5593 01	7	5.88%	0.391 949	Zfp287
71738	3338	10	14.14%	0.8412 97	4	5.87%	0.336 896	Mamdc2
76547	1576	10	24.05%	1.7818 84	11	32.87%	1.962 269	Tmem10 1
213027	1542	10	25.49%	1.8211 74	8	17.51%	1.458 572	Evi5l
57266	1848	10	23.59%	1.5196 16	23	34.04%	3.499 033	Cxcl14
17536	5010	10	8.80%	0.5605 29	-	-	-	Meis2
68981	1250	10	14.08%	2.2466	6	13.20%	1.349 47	Snrpa1
93838	3158	10	8.01%	0.8892 49	7	7.22%	0.623 172	Dqx1
677289	2245	10	19.29%	1.2508 91	2	4.37%	0.250 458	Gm1449 2
19804	121	10	48.76%	23.208 67	6	63.64%	13.94 081	Rn5s
217944	3987	10	9.61%	0.7043 52	11	11.76%	0.775 655	Rapgef5

241066	2604	10	18.09%	1.0784 37	7	12.17%	0.755 752	Carf
244233	3454	10	13.09%	0.8130 43	2	2.84%	0.162 791	Cd16311
19285	3218	10	13.92%	0.8726 69	4	6.09%	0.349 459	Ptrf
625237	1275	10	29.02%	2.2025 49	7	19.37%	1.543 512	Gm6566
258571	3744	10	11.38%	0.7500 67	9	10.18%	0.675 816	Olfr1033
625403	2874	10	5.15%	0.9771 22	9	3.44%	0.880 396	Gm1399 8
12402	5083	10	5.98%	0.5524 79	3	2.89%	0.165 929	Cbl
gi 118130717 ref N M_019478.3	1059	10	14.64%	2.6517 94	22	15.01%	5.840 484	-
gi 149249463 ref X M_001477380.1	3424	10	6.51%	0.8201 66	12	6.37%	0.985 303	-
70615	3658	10	12.03%	0.7677 01	7	9.38%	0.537 993	Ankrd24
14299	4036	10	11.97%	0.6958	17	17.39%	1.184 186	Nes1
gi 149271320 ref X M_001477904.1	3519	10	3.64%	0.7980 25	2	1.45%	0.159 784	-
20677	2969	10	13.91%	0.9458 57	7	10.58%	0.662 842	Sox4
74393	3548	10	13.81%	0.7915 02	5	6.48%	0.396 195	4933403 G14Rik
66491	1671	10	14.18%	1.6805 8	14	23.28%	2.355 449	Polr2l
231659	8546	10	4.25%	0.3286 04	4	2.02%	0.131 589	Gen111
17329	2905	10	13.87%	0.9666 95	3	5.06%	0.290 334	Cxcl9
18563	4148	10	10.87%	0.6770 13	9	9.26%	0.609 994	Pcx
14256	1075	10	36.93%	2.6123 25	13	46.70%	3.399 828	Flt3l
170826	3656	10	12.12%	0.7681 21	6	8.04%	0.461 389	Ppargc1b
74091	1403	10	31.58%	2.0016 03	9	25.80%	1.803 462	Npl
54141	3822	10	12.06%	0.7347 59	9	10.49%	0.662 024	Spag5

76453	3226	10	13.27%	0.8705 05	3	4.56%	0.261 444	Prss23
140781	6054	10	6.59%	0.4638 67	4	3.24%	0.185 755	Myh7
106338	1344	10	32.29%	2.0894 71	4	12.87%	0.836 725	Nsun3
12363	1433	10	3.70%	1.9597	7	10.19%	1.373 327	Casp4
432555	2971	10	13.43%	0.9452 2	3	4.95%	0.283 884	Gm5431
gi 149254636 ref X M_001476612.1	2254	10	10.56%	1.2458 96	12	6.57%	1.496 751	-
94190	3932	10	11.93%	0.7142 04	8	8.72%	0.572 003	Ophn1
13371	5843	10	7.10%	0.4806 18	2	1.68%	0.096 231	Dio2
71995	3378	10	14.51%	0.8313 35	1	1.45%	0.083 227	Erv3
270151	3706	10	12.90%	0.7577 58	17	18.75%	1.289 631	Nlr1
71962	1570	10	24.71%	1.7886 94	19	38.85%	3.402 327	Gatsl3
gi 149249608 ref X M_001481333.1	2287	10	14.12%	1.2279 19	9	13.73%	1.106 365	-
76633	911	10	37.87%	3.0826 01	12	42.26%	3.703 267	1700112 E06Rik
gi 149247817 ref X R_033350.1	2575	10	8.62%	1.0905 82	8	4.08%	0.873 444	-
68073	1166	10	36.62%	2.4084 47	8	26.84%	1.928 917	Fam173b
70997	2264	10	16.12%	1.2403 93	12	15.59%	1.490 14	Spef1
217666	3338	10	13.81%	0.8412 97	3	4.40%	0.252 672	L2hgdh
gi 70778977 ref N M_172921.2	2892	10	16.77%	0.9710 41	9	13.87%	0.874 916	-
66895	1872	10	25.91%	1.5001 33	15	32.53%	2.252 722	1300014 I06Rik
21665	3218	10	7.77%	0.8726 69	11	9.70%	0.961 012	Tdg
76500	1842	10	10.21%	1.5245 65	5	8.31%	0.763 137	Ip6k2
21853	4479	10	8.75%	0.6269 81	8	6.56%	0.502 147	Timeless

232855	2772	10	16.99%	1.0130 77	8	12.91%	0.811 37	Zfp772
gi 149268575 ref X R_033298.1	2017	10	18.39%	1.3922 9	16	25.63%	2.230 161	-
269952	3520	10	11.59%	0.7977 98	14	13.27%	1.118 169	D330012 F22Rik
14586	3462	10	11.55%	0.8111 64	6	6.50%	0.487 244	Gfra2
gi 149250305 ref X M_001472555.1	2595	10	11.56%	1.0821 77	5	6.09%	0.541 695	-
16924	3098	10	6.75%	0.9064 72	8	7.26%	0.725 99	LnX1
230145	2216	10	19.40%	1.2672 61	12	23.60%	1.522 417	Galnt12
114642	4710	10	8.45%	0.5962 31	11	10.70%	0.656 589	Brdt
gi 149252967 ref X M_001475530.1	1003	10	39.48%	2.7998 5	15	35.89%	4.204 481	-
21834	6083	10	7.25%	0.4616 55	17	13.61%	0.785 694	Thrb
gi 149274347 ref X M_001472404.1	375	10	56.27%	7.4886 66	-	-	-	-
94227	6946	10	4.66%	0.4042 97	7	3.12%	0.283 325	Pi15
68721	1782	10	19.47%	1.5758 98	4	9.48%	0.631 065	1110032 A03Rik
110033	2086	10	18.02%	1.3462 37	11	21.05%	1.482 52	Kif22
18223	2733	10	15.95%	1.0275 34	11	14.23%	1.131 554	Numbl
gi 160333403 ref N M_010395.6	1635	10	17.49%	1.7175 84	9	16.51%	1.547 558	-
243780	1951	10	20.91%	1.4393 9	5	8.05%	0.720 501	E330009 J07Rik
76238	1253	10	31.52%	2.2412 21	11	35.67%	2.468 106	Grhpr
72180	3001	10	15.19%	0.9357 71	9	12.73%	0.843 138	Zfp661
69187	953	10	32.84%	2.9467 47	13	49.95%	3.835 064	Erp27
665001	946	10	24.95%	2.9685 51	13	32.35%	3.863 441	Gm1439 1
13603	1721	10	22.60%	1.6317 55	11	23.77%	1.796 941	Opn3

69069	1473	9	27.97%	1.7158 35	14	31.23%	2.672 067	1810011 H11Rik
54646	3328	9	12.50%	0.7594 43	6	7.63%	0.506 862	Ppp1r3f
233826	3747	9	10.57%	0.6745 2	9	11.77%	0.675 275	Palb2
240068	6383	9	5.97%	0.3959 62	9	5.37%	0.396 406	Zfp563
71790	1895	9	19.16%	1.3337 33	7	13.09%	1.038 511	Anxa9
58220	3409	9	11.65%	0.7413 98	7	8.83%	0.577 289	Pard6b
74761	2280	9	15.96%	1.1085 2	2	4.30%	0.246 614	Mxra8
271005	1949	9	17.75%	1.2967 8	3	7.54%	0.432 744	Klhdc1
208111	4868	9	8.50%	0.5191 92	4	4.03%	0.231 01	9830147 E19Rik
24057	1736	9	22.93%	1.4558 9	7	17.57%	1.133 628	Sh3yl1
71973	1956	9	18.10%	1.2921 39	9	17.18%	1.293 587	Rbpms2
gi 149274846 ref X M_001472877.1	588	9	37.93%	4.2983 41	12	22.45%	5.737 544	-
385674	5942	9	6.92%	0.4253 49	4	1.67%	0.189 256	Zfp174
gi 149269272 ref X M_001475152.1	5069	9	4.77%	0.4986 04	7	4.04%	0.388 238	-
211914	5686	9	7.76%	0.4445	17	12.50%	0.840 551	Asap2
18140	3583	9	11.55%	0.7053 93	11	8.57%	0.863 114	Uhrf1
gi 154240709 ref N M_153078.2	4821	9	8.50%	0.5242 53	17	15.99%	0.991 366	-
68241	816	9	43.63%	3.0973 34	5	30.02%	1.722 669	Fam195a
170772	6204	9	5%	0.4073 86	7	3.84%	0.317 211	Glecc1
gi 149272082 ref X M_985571.2	3262	9	4.29%	0.7748 08	6	3.56%	0.517 118	-
11657	2043	9	18.84%	1.2371 14	9	14.68%	1.238 501	Alb
108900	2105	9	19.81%	1.2006 77	5	11.64%	0.667 79	Fam72a

67383	2138	9	10.10%	1.1821 44	11	9.82%	1.446 462	2410127 L17Rik
22164	1609	9	20.01%	1.5708 05	7	18.02%	1.223 106	Tnfsf4
72634	2665	9	13.92%	0.9483 77	8	13.62%	0.843 946	Tdrkh
gi 94367775 ref X M_977134.1	1395	9	31.25%	1.8117 74	4	11.04%	0.806 135	-
76813	2215	9	16.48%	1.1410 5	4	8.85%	0.507 701	Armc6
243961	7596	9	5.16%	0.3327 31	1	0.65%	0.037 012	Shank1
99887	6224	9	7.09%	0.4060 77	11	8.52%	0.496 873	Tmem56
228576	1967	9	18.30%	1.2849 13	4	8.74%	0.571 713	Mall
191578	3688	9	10.63%	0.6853 1	4	5.31%	0.304 924	Helq
666060	4827	9	9.14%	0.5236 02	2	2.03%	0.116 486	Frmpd1
108943	3935	9	10.90%	0.6422 93	10	10.44%	0.714 459	Trmt10a
595139	6361	9	6.21%	0.3973 31	25	15.67%	1.104 935	E030024 N20Rik
17314	857	9	42.01%	2.9491 54	14	55.31%	4.592 713	Mgmt
68636	1408	9	31.32%	1.7950 46	7	22.80%	1.397 711	Fahd1
21677	2115	9	18.96%	1.195	6	11.06%	0.797 559	Tead2
gi 149256866 ref X R_033175.1	2436	9	6.49%	1.0375 31	9	5.38%	1.038 693	-
gi 149258016 ref X M_001478931.1	2972	9	13.49%	0.8504 12	2	3.30%	0.189 192	-
69572	2169	9	18.07%	1.1652 49	8	15.77%	1.036 937	Mfsd3
75847	2709	9	13.84%	0.9329 73	4	7.24%	0.415 119	Ispd
66447	635	9	48.50%	3.9801 96	22	68.50%	9.740 272	Mgst3
gi 58331141 ref N M_010741.2	862	9	13.23%	2.9320 47	2	6.73%	0.652 296	-
15530	14201	9	2.84%	0.1779 75	7	2.11%	0.138 58	Hspg2

gi 149255602 ref X M_001477017.1	426	9	41.55%	5.9329 22	6	44.13%	3.959 714	-
245527	4798	9	8.98%	0.5267 66	5	5.11%	0.292 976	Eda2r
382045	2820	9	14.26%	0.8962 5	1	1.74%	0.099 695	Gpr114
101700	2389	9	15.70%	1.0579 43	3	6.15%	0.353 043	Trim68
257633	2236	9	16.64%	1.1303 33	2	4.38%	0.251 467	Acsf3
15354	1656	9	20.95%	1.5262 23	9	18.42%	1.527 933	Hmgb3
381067	4541	9	9.69%	0.5565 79	7	6.56%	0.433 38	Zfp229
gi 149275050 ref X M_001000983.2	513	9	14.62%	4.9267 54	-	-	-	-
1E+08	483	9	11.39%	5.2327 63	8	10.77%	4.656 558	LOC100 047372
208836	4621	9	7.96%	0.5469 43	18	13.14%	1.095 112	Fanci
72351	2064	9	19.14%	1.2245 27	10	19.43%	1.362 111	Ptar1
gi 31982698 ref N M_020002.2	2132	9	16.18%	1.1854 71	1	2.30%	0.131 867	-
70300	1715	9	21.11%	1.4737 17	13	31.72%	2.131 088	Fuz
12212	7401	9	4.88%	0.3414 98	5	2.86%	0.189 934	Chic1
15958	3949	9	9.32%	0.6400 16	5	6.20%	0.355 963	Ifit2
66365	1615	9	22.11%	1.5649 69	9	20.50%	1.566 723	Ccdc90b
208638	1594	9	18.82%	1.5855 86	8	18.95%	1.410 99	Slc25a38
27205	5330	9	7.41%	0.4741 88	1	0.92%	0.052 747	Podxl
68977	1262	9	24.48%	2.0027 14	7	22.58%	1.559 412	Haghl
gi 149257840 ref X M_001471461.1	3097	9	14.24%	0.8160 88	2	3.16%	0.181 556	-
93757	1145	9	28.65%	2.2073 58	1	4.28%	0.245 537	Immp2l
104732	3371	9	13.08%	0.7497 55	4	4.45%	0.333 598	4930427 A07Rik

77036	745	9	39.87%	3.3925 16	8	38.66%	3.018 949	1700109 H08Rik
gi 149250529 ref X R_033211.1	1857	9	21.43%	1.3610 26	9	21.27%	1.362 551	-
217517	4325	9	8.76%	0.5843 76	10	5.64%	0.650 034	Stxbp6
20821	2775	9	15.89%	0.9107 84	5	7.39%	0.506 558	Trim21
24099	1710	9	19.18%	1.4780 26	22	42.22%	3.617 001	Tnfsf13b
gi 149270868 ref X R_031486.1	2473	9	10.43%	1.0220 08	3	4.49%	0.341 051	-
74359	2585	9	14.04%	0.9777 27	1	1.90%	0.108 758	4931414 P19Rik
12416	3754	9	11.75%	0.6732 62	1	1.31%	0.074 891	Cbx2
19294	2735	9	14.33%	0.9241 04	6	7.17%	0.616 76	Pvr12
243547	5143	9	8.57%	0.4914 3	9	8.03%	0.491 981	Grip2
213522	3019	9	13.38%	0.8371 73	8	11.39%	0.744 988	Plekhg6
16995	1392	9	27.37%	1.8156 79	8	17.82%	1.615 745	Ltb4r1
71233	1227	9	26.57%	2.0598 41	9	26.65%	2.062 149	Enkur
622675	7625	9	5.78%	0.3314 66	5	3.21%	0.184 354	Zfp827
110891	4252	9	9.45%	0.5944 08	18	16.20%	1.190 149	Slc8a2
22158	3401	9	11.64%	0.7431 42	10	11.91%	0.826 638	Tulp3
56695	2956	9	7.27%	0.8550 15	13	10.72%	1.236 406	Pnkd
69922	1906	9	15.48%	1.3260 36	12	17.58%	1.770 029	Vrk2
19418	7595	9	5.81%	0.3327 75	5	3.17%	0.185 082	Rasgrf2
67390	1492	9	27.88%	1.6939 84	4	13.14%	0.753 726	Rnmt11
68875	3439	9	11.86%	0.7349 3	14	17.48%	1.144 506	Tmcc2
13011	986	9	28.70%	2.5633 11	2	9.94%	0.570 263	Cst7

1E+08	3785	9	5.50%	0.6677 48	2	2.59%	0.148 555	Gm4511
83397	6262	9	7.04%	0.4036 13	9	6.45%	0.404 065	Akap12
57911	2726	9	10.60%	0.9271 55	2	3.60%	0.206 265	Gsdma
gi 149269416 ref X M_001479122.1	3159	9	9.53%	0.8000 71	1	1.55%	0.088 996	-
gi 149267815 ref X R_033217.1	2890	9	8.10%	0.8745 41	4	5.99%	0.389 121	-
207596	8796	9	4.72%	0.2873 38	21	11.16%	0.671 207	Thsd4
214424	2483	9	16.11%	1.0178 92	2	3.95%	0.226 452	Parp16
101401	6056	9	6.80%	0.4173 42	-	-	-	Adams9
20667	4436	9	9.04%	0.5697 53	5	5.52%	0.316 884	Sox12
227615	914	9	31.73%	2.7652 35	3	12.14%	0.922 778	Tmem20 3
72401	2539	9	15.12%	0.9954 41	2	3.86%	0.221 457	Slc43a1
14370	3346	9	13.18%	0.7553 57	19	21.49%	1.596 43	Fzd8
329416	1820	9	22.47%	1.3886 95	11	26.92%	1.699 196	Nostrin
73893	1285	9	31.44%	1.9668 67	3	11.44%	0.656 357	Tmem20 2
432763	1360	9	26.47%	1.8584	12	31.84%	2.480 644	Prr7
106389	1903	9	18.86%	1.3281 26	7	13.93%	1.034 145	Eaf2
208967	3899	9	10.05%	0.6482 24	7	6.54%	0.504 739	Thns11
67446	1491	9	19.79%	1.6951 2	8	20.05%	1.508 462	Dusp28
53886	4022	9	8.48%	0.6284	2	2.44%	0.139 801	Cdkl2
76306	2837	9	8.64%	0.8908 79	11	8.35%	1.090 073	1110021 L09Rik
14732	3852	9	11.45%	0.6561 33	3	3.82%	0.218 956	Gpam
104103	1399	9	21.52%	1.8065 94	12	31.45%	2.411 491	Airm

665976	1689	9	7.70%	1.4964 03	8	8.70%	1.331 627	Vmn2r-p s129
26942	3270	9	12.94%	0.7729 13	12	16.06%	1.031 705	Spag1
239463	2089	9	3.02%	1.2098 73	7	3.88%	0.942 067	Fam83a
gi 124486649 ref NM_001081037.1	3414	9	11.98%	0.7403 12	1	1.44%	0.082 349	-
27356	660	9	32.42%	3.8294 31	6	41.21%	2.555 815	Insl6
66977	2405	9	8.86%	1.0509 04	10	8.81%	1.168 98	Nuf2
19362	1835	9	18.75%	1.3773 43	4	10.68%	0.612 838	Rad51ap 1
gi 149261404 ref XM_001477963.1	1468	9	7.43%	1.7216 79	2	6.68%	0.383 024	-
15901	911	9	33.70%	2.7743 41	20	58.62%	6.172 111	Id1
269854	1612	9	23.20%	1.5678 81	9	25.62%	1.569 638	Nat14
18606	3242	9	11.41%	0.7795 88	-	-	-	Enpp2
74253	2282	9	16.35%	1.1075 48	1	2.15%	0.123 199	Klrg2
gi 149234145 ref XM_001473384.1	826	9	19.98%	3.0598 36	6	18.28%	2.042 177	-
21769	2664	9	5.74%	0.9487 33	5	4.09%	0.527 665	Zfand3
76872	3926	9	11.23%	0.6437 66	9	9.32%	0.644 487	Ccdc116
109225	921	9	29.32%	2.7442 18	8	34.31%	2.442 038	Ms4a7
619734	2358	9	14.63%	1.0718 51	12	16.41%	1.430 736	Gm6096
66192	760	9	37.50%	3.3255 59	15	46.71%	5.548 809	Lage3
238276	6685	9	6.25%	0.3780 74	9	5.94%	0.378 498	Akap5
74166	2109	9	17.64%	1.1984	-	-	-	Tmem38 a
68043	836	9	42.46%	3.0232 35	3	12.68%	1.008 874	N6amt2
71723	3801	9	6.76%	0.6649 37	7	9.02%	0.517 753	Dhx34

237211	2984	9	14.78%	0.8469 92	4	6.57%	0.376 863	Fancb
69962	1475	9	22.78%	1.7135 08	8	22.78%	1.524 825	Mettl18
56546	1880	9	20.48%	1.3443 75	6	15.64%	0.897 254	Sec1
18414	4835	9	7.18%	0.5227 35	4	4.05%	0.232 587	Osmr
67219	1677	9	26.06%	1.5071 11	7	20.45%	1.173 511	Med18
gi 256355150 ref N R_015508.1	3786	9	10.59%	0.6675 71	9	8.11%	0.668 319	-
14924	7791	9	5.11%	0.3244 03	8	3.84%	0.288 681	Magi1
232685	1691	9	18.10%	1.4946 33	1	2.90%	0.166 256	AB0418 03
1E+08	2053	9	10.86%	1.2310 88	1	2.39%	0.136 941	Gm4709
67900	1396	9	25.36%	1.8104 76	1	3.51%	0.201 389	Mtfp1
74478	1205	9	28.22%	2.0974 48	1	4.07%	0.233 311	Snx29
gi 149263767 ref X M_903476.3	492	9	29.07%	5.1370 42	5	23.78%	2.857 11	-
gi 142384938 ref N M_175215.3	2898	9	15.22%	0.8721 27	1	1.69%	0.097 012	-
213081	4403	9	9.86%	0.5740 23	5	5.56%	0.319 259	Wdr19
52033	1663	9	20.87%	1.5197 98	8	19.12%	1.352 446	Pbk
76980	2711	9	13.76%	0.9322 85	25	33.20%	2.592 583	Ube2q11
23802	3694	9	7.36%	0.6841 97	6	5.55%	0.456 643	Amfr
18053	3409	9	11.73%	0.7413 98	-	-	-	Ngfr
74407	2818	9	15.65%	0.8968 86	8	11.89%	0.798 125	Ttc25
75782	4235	9	9.92%	0.5967 94	4	4.63%	0.265 539	Lca5
gi 149265589 ref X M_001478188.1	2352	9	6.72%	1.0745 85	5	9.48%	0.597 661	-
gi 50355991 ref N M_019985.2	1134	9	29.81%	2.2287 7	16	45.86%	3.966 697	-

20353	3805	9	10.88%	0.6642 38	20	20.37%	1.477 738	Sema4c
228019	2370	9	18.48%	1.0664 24	13	20.17%	1.542 116	Mettl8
21809	3401	9	12.97%	0.7431 42	2	2.88%	0.165 328	Tgfb3
gi 149234318 ref XR_034434.1	1278	9	12.36%	1.9776 41	12	14.01%	2.639 809	-
67528	1091	9	32.36%	2.3166 13	3	13.47%	0.773 07	Nudt7
18600	4758	9	6.66%	0.5311 95	4	3.34%	0.236 351	Padi2
76282	1783	9	18.56%	1.4175 12	1	2.75%	0.157 678	Gpt
263764	5799	9	5.81%	0.4358 38	6	3.88%	0.290 884	Creg2
75597	696	9	56.90%	3.6313 57	4	21.70%	1.615 745	Ndufaf2
20964	3249	9	9.54%	0.7779 08	9	13.08%	0.778 78	Syn1
213993	2754	9	4.90%	0.9177 29	2	3.56%	0.204 168	A630007 B06Rik
22350	3070	9	2.96%	0.8232 65	4	1.89%	0.366 306	Ezr
67088	5453	9	7.46%	0.4634 93	4	3.59%	0.206 228	Cand2
213990	3207	9	8.86%	0.7880 96	4	5.08%	0.350 658	Agap3
23863	1584	9	16.98%	1.5955 96	9	25.19%	1.597 384	Dand5
12766	1608	9	23.69%	1.5717 82	2	6.09%	0.349 676	Cxcr3
140859	2832	9	15.57%	0.8924 52	6	10.38%	0.595 635	Nek8
399558	7099	9	5.01%	0.3560 25	14	9.66%	0.554 438	Flrt2
18618	848	9	29.13%	2.9804 54	8	35.61%	2.652 261	Pemt
73668	4472	9	9.41%	0.5651 67	12	8.77%	0.754 4	Ttc21b
15248	4247	9	9.23%	0.5951 08	3	3.46%	0.198 592	Hic1
56792	1136	9	9.60%	2.2248 46	-	-	-	Stap1

26357	2493	9	14.68%	1.0138 09	19	31.85%	2.142 661	Abcg2
381318	2973	8	9.96%	0.7556 68	5	4.98%	0.472 821	Nsl1
331524	2898	8	10.97%	0.7752 24	-	-	-	Xkrx
14297	1095	8	31.51%	2.0516 89	7	27.12%	1.797 24	Fxn
gi 149259268 ref X M_001477914.1	1256	8	7.88%	1.7886 94	9	4.14%	2.014 536	-
85308	805	8	43.35%	2.7908 07	4	16.02%	1.396 967	Emc9
gi 149265182 ref X R_030659.1	1475	8	12.27%	1.5231 18	5	8.68%	0.953 016	-
195564	3627	8	9.57%	0.6194 1	11	13.04%	0.852 643	Skint3
229675	6727	8	3.03%	0.3339 68	5	1.59%	0.208 964	Rsb1
1E+08	2236	8	16.19%	1.0047 4	6	9.26%	0.754 4	Gm3052
209027	2914	8	7.72%	0.7709 68	5	8.41%	0.482 395	Pycr1
433408	1385	8	18.48%	1.6220 94	3	10.61%	0.608 967	Gm1337 5
gi 94380878 ref X M_486328.4	5301	8	7.02%	0.4238 07	21	13.94%	1.113 739	-
69528	2971	8	11.71%	0.7561 76	3	4.95%	0.283 884	1700030 J22Rik
gi 149265193 ref X M_001472989.1	3370	8	10.18%	0.6666 47	7	8.19%	0.583 97	-
66129	972	8	20.78%	2.3113 17	12	20.78%	3.470 86	1110018 J18Rik
50997	4142	8	8.93%	0.5423 95	11	11.15%	0.746 629	Mpp2
211253	1862	8	19.17%	1.2065 52	8	21.05%	1.207 904	Mtrf1
gi 162417964 ref N M_011210.3	5247	8	1.30%	0.4281 68	3	1.47%	0.160 743	-
gi 149275188 ref X M_001480556.1	1065	8	21.69%	2.1094 83	4	14.46%	1.055 924	-
226970	2738	8	10.74%	0.8205 26	6	8.95%	0.616 084	Arhgef4
29861	2278	8	17.21%	0.9862 16	1	2.15%	0.123 415	Dpf1

18816	2199	8	16.87%	1.0216 46	9	15.37%	1.150 64	Serpinf2
20523	1774	8	19.50%	1.2664 03	6	15.16%	0.950 867	Slc25a14
242570	4006	8	8.59%	0.5608 09	6	6.14%	0.421 078	Raver2
15450	1934	8	20.27%	1.1616 34	4	10.13%	0.581 468	Lipc
gi 94372765 ref X M_357412.3	4620	8	8.46%	0.4862 77	12	9.03%	0.730 233	-
69430	1908	8	16.04%	1.1774 63	5	5.92%	0.736 739	1700048 O20Rik
233529	2351	8	16.21%	0.9555 93	5	9.27%	0.597 915	Kctd14
68472	890	8	32.58%	2.5242 69	6	27.42%	1.895 324	Tmem12 6b
gi 142383593 ref N M_029096.2	1548	8	21.51%	1.4512 92	6	16.15%	1.089 689	-
71336	1047	8	35.91%	2.1457 49	5	19.58%	1.342 596	Rbks
18286	3921	8	6.12%	0.5729 66	3	2.75%	0.215 103	Odf2
227683	1987	8	15.80%	1.1306 49	10	17.36%	1.414 895	Coq4
70551	3390	8	10.12%	0.6627 14	10	13.01%	0.829 321	Tmtc4
245020	1596	8	24.56%	1.4076 44	7	19.30%	1.233 069	Tmem22
72555	4844	8	6.07%	0.4637 9	-	-	-	Shisa9
gi 256355074 ref N R_015618.1	800	8	34.63%	2.8082 5	3	18.25%	1.054 274	-
73166	1496	8	25.67%	1.5017 38	6	17.91%	1.127 565	Tm7sf2
72844	1574	8	24.90%	1.4273 19	5	10.48%	0.893 074	Kctd17
19416	1609	8	19.76%	1.3962 71	2	6.09%	0.349 459	Rasd1
83771	3514	8	8.48%	0.6393 28	6	7.09%	0.480 034	Tas1r3
216148	3974	8	9.08%	0.5653 25	8	9.03%	0.565 958	Shc2
53310	4996	8	7.85%	0.4496 8	6	5.58%	0.337 638	Dlg3

68051	1966	8	14.55%	1.1427 26	7	14.19%	1.001 006	Nutf2
74007	5808	8	6.75%	0.3868 11	3	2.53%	0.145 217	Btbd11
gi 149261686 ref X M_484000.4	3434	8	3.87%	0.6542 22	1	1.43%	0.081 869	-
gi 149261259 ref X M_001474215.1	1667	8	22.56%	1.3476 9	5	12%	0.843 25	-
228421	3487	8	10.90%	0.6442 79	6	8%	0.483 75	Kif18a
gi 158508648 ref N M_029842.4	2379	8	16.48%	0.9443 46	2	4.12%	0.236 351	-
116872	1894	8	17.37%	1.1861 67	7	17.11%	1.039 059	Serpib7
242864	3673	8	9.34%	0.6116 53	4	5.34%	0.306 169	Napepld
233870	1806	8	9.91%	1.2439 64	14	17.22%	2.179 377	Tufm
18400	1560	8	23.27%	1.4401 28	8	21.99%	1.441 742	Slc22a18
66658	2397	8	14.48%	0.9372 55	6	10.68%	0.703 729	Ccdc51
70673	8605	8	4.56%	0.2610 81	4	2.28%	0.130 687	Prdm16
14739	2815	8	13.04%	0.7980 82	6	10.44%	0.599 232	S1pr2
11989	2371	8	16.20%	0.9475 33	8	13.67%	0.948 594	Slc7a3
56753	1764	8	20.41%	1.2735 83	2	5.56%	0.318 752	Tacstd2
276829	2624	8	6.36%	0.8561 74	4	4.46%	0.428 567	Smtm12
239839	4107	8	9.54%	0.5470 17	8	9.50%	0.547 63	Ccdc14
19893	3680	8	9.32%	0.6104 89	7	7.93%	0.534 777	Rpgr
239096	2728	8	14.37%	0.8235 34	6	10.78%	0.618 342	Cdh24
100382	2745	8	14.03%	0.8184 33	8	14.17%	0.819 351	AW0117 38
434179	3166	8	11.72%	0.7096 02	4	6.19%	0.355 199	Gm5595
17864	3564	8	11%	0.6303 59	7	9.01%	0.552 182	Mybl1

242608	3177	8	3.62%	0.7071 45	-	-	-	Podn
56075	1638	8	20.76%	1.3715 5	8	21.73%	1.373 087	Pdss1
56089	1221	8	6.22%	1.8399 67	5	7.53%	1.151 268	Ramp3
231997	2714	8	14.44%	0.8277 82	10	18.05%	1.035 887	Fkbp14
243833	3850	8	9.06%	0.5835 32	1	1.27%	0.073 023	Zfp128
gi 149274986 ref X M_001480796.1	4174	8	3.43%	0.5382 37	2	2.35%	0.134 71	-
320946	3533	8	11.10%	0.6358 9	7	8.55%	0.557 027	A930035 D04Rik
84544	2203	8	13.39%	1.0197 91	1	2.22%	0.127 617	Cd96
629016	4641	8	7.30%	0.4840 77	3	3.17%	0.181 732	Zfp953
gi 58037276 ref N M_028110.1	2068	8	11.17%	1.0863 63	-	-	-	-
71132	2125	8	13.93%	1.0572 23	9	19.34%	1.190 709	Cabyr
16992	1423	8	24.17%	1.5787 77	5	17.22%	0.987 841	Lta
215493	3390	8	11.56%	0.6627 14	9	10.77%	0.746 388	A3galt2
233836	2341	8	12.30%	0.9596 75	1	2.09%	0.120 094	Slc5a11
72350	4482	8	8.08%	0.5012 49	4	4.37%	0.250 906	Fam164c
gi 149257633 ref X R_032873.1	3107	8	5.57%	0.7230 77	10	11.23%	0.904 859	-
268451	3145	8	12.46%	0.7143 4	2	3.12%	0.178 785	Rab11fip 4
239546	2318	8	16.31%	0.9691 97	4	8.15%	0.485 142	Zfp647
12500	1330	8	22.33%	1.6891 73	1	3.68%	0.211 383	Cd3d
67892	780	8	31.54%	2.8802 56	7	35%	2.523 048	1810063 B05Rik
66994	1701	8	18.87%	1.3207 52	11	20.81%	1.818 07	Cep19
620913	5264	8	5.47%	0.4267 86	11	5.53%	0.587 488	Gm1218 5

52372	2227	8	15.40%	1.0088 01	5	8.85%	0.631 207	D6ErtD5 27e
18726	2424	8	4.04%	0.9268 15	10	14.15%	1.159 817	Lilra6
667023	810	8	25.68%	2.7735 8	5	12.35%	1.735 43	Gm8425
73016	2135	8	6.60%	1.0522 72	10	9.27%	1.316 813	Kremen2
100647	2036	8	18.32%	1.1034 38	1	2.41%	0.138 084	Upk3b
gi 149241112 ref X M_001479630.1	6711	8	2.53%	0.3347 64	3	0.77%	0.125 677	-
449522	3705	8	6.64%	0.6063 7	14	14.41%	1.062 336	E130314 M14Rik
57916	750	8	45.60%	2.9954 66	5	16.13%	1.874 264	Tnfrsf13 b
69408	1026	8	31.68%	2.1896 68	11	43.08%	3.014 168	Dnajc17
72096	1097	8	22.24%	2.0479 49	13	49.04%	3.331 646	Mettl10
gi 94390707 ref X M_990990.1	1596	8	21.12%	1.4076 44	15	27.57%	2.642 29	-
212712	5299	8	7.10%	0.4239 67	9	7.93%	0.477 497	Satb2
74356	3571	8	9.61%	0.6291 23	1	1.37%	0.078 729	4931428 F04Rik
19331	1371	8	24.07%	1.6386 58	5	17.43%	1.025 309	Rab19
gi 149261422 ref X M_001478511.1	1096	8	25.18%	2.0498 17	9	22.26%	2.308 629	-
72371	4950	8	6.73%	0.4538 59	4	3.96%	0.227 184	2210408 I21Rik
67733	2738	8	7.82%	0.8205 26	8	13.73%	0.821 445	Itgb3bp
320705	2318	8	15.57%	0.9691 97	13	23.64%	1.576 711	Bend6
20419	2244	8	16%	1.0011 59	9	19.34%	1.127 565	Shcbp1
gi 149246426 ref X M_001472240.1	1158	8	14.08%	1.9400 69	12	19.52%	2.913 364	-
241112	2101	8	15.85%	1.0693	5	9.19%	0.669 062	Gm216
75475	3970	8	9.87%	0.5658 94	4	4.94%	0.283 264	Oplah

245555	10891	8	3.19%	0.2062 8	2	0.90%	0.051 628	C77370
gi 6806904 ref NM_009854.1	978	8	38.55%	2.2971 37	1	5.01%	0.287 464	-
75723	8951	8	2.75%	0.2509 89	10	2.93%	0.314 087	Amod1
21389	1731	8	17.39%	1.2978 62	8	20.85%	1.299 317	Tbx6
66847	696	8	47.56%	3.2278 73	7	32.47%	2.827 554	Hint3
56794	2618	8	13.41%	0.8581 36	8	11.34%	0.859 098	Hac11
gi 149266296 ref XR_004776.2	4674	8	2.25%	0.4806 59	7	3.12%	0.421 048	-
230597	2170	8	15.90%	1.0352 99	8	14.79%	1.036 46	Zfyve9
gi 94372065 ref XR_004941.1	2933	8	2.93%	0.7659 73	8	1.70%	0.766 832	-
68002	675	8	35.41%	3.3282 96	15	69.93%	6.247 548	1110058 L19Rik
15410	3390	8	9.41%	0.6627 14	2	2.89%	0.165 864	Hoxb3
18111	1223	8	31.81%	1.8369 58	8	28.05%	1.839 017	Nnat
gi 149274210 ref XM_486348.4	579	8	27.12%	3.8801 38	18	28.32%	8.740 093	-
52028	5646	8	5.12%	0.3979 1	5	3.49%	0.248 972	Bbs1
170829	1393	8	26.63%	1.6127 78	4	14.07%	0.807 293	Tram2
224912	1160	8	28.79%	1.9367 24	1	4.22%	0.242 362	Crb3
77505	9794	8	4%	0.2293 85	5	2.38%	0.143 526	Dnhd1
76123	3510	8	11.17%	0.6400 57	10	13.96%	0.800 968	Gpsm2
269423	2492	8	13.92%	0.9015 25	3	3.97%	0.338 451	3110057 O12Rik
22276	1811	8	17.34%	1.2405 3	6	15.07%	0.931 44	Uros
110417	2376	8	12.88%	0.9455 39	10	13.43%	1.183 248	Pigh
67101	801	8	43.07%	2.8047 44	1	6.12%	0.350 986	2310039 H08Rik

gi 149259400 ref X M_001471978.1	1187	8	22.33%	1.8926 7	6	16.09%	1.421 093	-
gi 149263145 ref X M_001479036.1	1810	8	14.03%	1.2412 15	6	7.24%	0.931 955	-
266614	1056	8	25.19%	2.1274 62	7	24.81%	1.863 615	Ly6g5b
50722	903	8	37.87%	2.4879 29	5	22.92%	1.556 698	Dkk11
381549	2381	8	16.46%	0.9435 53	14	24.15%	1.653 068	Zfp69
55990	3336	8	10.37%	0.6734 41	-	-	-	Fmo2
107771	861	8	39.95%	2.6092 91	2	11.38%	0.653 054	Bmyc
72287	1559	8	22.19%	1.4410 52	8	17.06%	1.442 667	Plekhf1
244698	5261	8	7.45%	0.4270 29	3	2.79%	0.160 315	Heph11
66343	3302	8	11.87%	0.6803 75	6	7.69%	0.510 853	Tmem17 7
232854	2700	8	14.04%	0.8320 74	4	7.26%	0.416 503	Zfp418
238988	6083	8	6.44%	0.3693 24	19	13.92%	0.878 128	Erc2
74190	2943	8	9.99%	0.7633 71	7	7.10%	0.668 698	Exoc3l4
240518	1937	8	20.19%	1.1598 35	9	19.15%	1.306 276	Peli3
68554	1513	8	19.63%	1.4848 64	16	31.66%	2.973 057	1110001 A16Rik
234911	1656	8	23.01%	1.3566 42	3	8.88%	0.509 311	Mmp27
71870	1822	8	17.45%	1.2330 4	4	10.65%	0.617 211	Ccdc19
269941	4176	8	5.63%	0.5379 79	4	4.69%	0.269 291	Chsy1
319653	2795	8	10.30%	0.8037 92	7	7.26%	0.704 106	Slc25a40
gi 149252148 ref X M_991890.2	3438	8	2.36%	0.6534 61	14	3.81%	1.144 839	-
80782	2212	8	17.36%	1.0156 42	7	10.94%	0.889 682	Klrb1b
66603	1106	8	33%	2.0312 84	8	29.20%	2.033 56	Sip1

gi 94383826 ref X M_489247.4	2255	8	13.57%	0.9962 75	11	12.46%	1.371 413	-
68347	825	8	32.12%	2.7231 51	13	51.64%	4.430 08	0610011 F06Rik
328330	4263	8	7.32%	0.527	8	9.20%	0.527 59	D130037 M23Rik
26909	5506	8	7.12%	0.4080 28	5	4.45%	0.255 303	Exo1
73139	1044	8	28.16%	2.1519 15	8	27.01%	2.154 327	Cenpv
gi 293629273 ref N M_153581.5	3337	8	10.37%	0.6732 39	1	1.47%	0.084 249	-
73047	1299	8	20.71%	1.7294 84	6	20.48%	1.298 567	Camk2n 2
72852	3881	8	7.99%	0.5788 71	3	3.79%	0.217 32	Mblac2
gi 270288747 ref N M_183115.4	2754	8	8.21%	0.8157 59	2	3.56%	0.204 168	-
gi 149270115 ref X M_923819.2	6112	8	6.41%	0.3675 72	5	4.01%	0.229 99	-
30963	1015	8	19.11%	2.2133 99	13	40%	3.600 804	Ptpla
19250	10766	8	3.64%	0.2086 75	-	-	-	Ptpn14
gi 189491670 ref N M_172493.1	3805	8	5.65%	0.5904 34	4	4.76%	0.295 548	-
245240	2403	8	13.77%	0.9349 15	2	4.08%	0.233 991	9930111 J21Rik2
69727	3225	8	12.16%	0.6966 2	7	10.64%	0.610 226	Usp46
16819	853	8	35.05%	2.6337 63	16	49.47%	5.273 429	Lcn2
18675	6265	8	3.29%	0.3585 95	13	2.08%	0.583 37	Phex
1E+08	2351	8	10.25%	0.9555 93	12	9.36%	1.434 996	Gm4078
78473	2190	8	11.87%	1.0258 45	-	-	-	Skap1
20438	1713	8	19.73%	1.3115	13	31.87%	2.133 576	Siah1b
17130	2971	8	11.85%	0.7561 76	13	18.92%	1.230 163	Smad6
66566	1155	8	28.40%	1.9451 08	15	42.34%	3.651 164	Ntper

237411	2031	8	17.97%	1.1061 54	7	14.92%	0.968 97	Zfp938
75766	1993	8	17.21%	1.1272 45	16	36.58%	2.257 017	Destamp
1E+08	1913	8	7.84%	1.1743 86	4	2.82%	0.587 851	A630075 F10Rik
673160	1104	8	19.47%	2.0349 63	3	6.25%	0.763 966	Gm9590
330483	1635	8	21.71%	1.3740 67	8	12.11%	1.375 607	Ceacam1 6
117592	3213	8	12.20%	0.6992 22	7	10.68%	0.612 505	B3galt6
gi 149274567 ref X M_001478139.1	852	8	14.08%	2.6368 54	10	15.02%	3.299 761	-
13800	4276	8	7.02%	0.5253 97	9	8.51%	0.591 735	Enah
672646	4718	8	8.31%	0.4761 76	6	6.23%	0.357 532	Gm9571
75284	1271	8	29.11%	1.7675 84	12	32.57%	2.654 348	Bcdin3d
52850	3825	8	2.25%	0.5873 46	3	1.62%	0.220 502	Sgsm1
210757	3981	8	8.69%	0.5643 3	-	-	-	Themis
gi 198278436 ref N M_133885.3	3310	8	7.85%	0.6787 31	9	7.19%	0.764 428	-
21378	7979	8	3.17%	0.2815 64	9	4.21%	0.317 115	Tbrg3
109685	1830	8	15.03%	1.2276 5	13	9.29%	1.997 167	Hyal3
1E+08	1429	8	22.88%	1.5721 48	5	16.93%	0.983 694	Gm3899
67815	2529	8	14.39%	0.8883 35	2	3.88%	0.222 333	Sec14l2
68194	454	8	14.54%	4.9484 57	19	18.28%	11.76 576	Ndufb4
111175	1205	8	32.03%	1.8643 98	15	41.16%	3.499 664	Pecr
gi 149264427 ref X M_001472312.1	2556	8	15.34%	0.8789 51	6	11.42%	0.659 952	-
13813	3731	8	8.93%	0.6021 44	-	-	-	Eomes
225870	4176	8	9.39%	0.5379 79	6	7.04%	0.403 936	Rin1

1E+08	1277	8	26.94%	1.7592 79	4	15.35%	0.880 625	Gm1320 4
211535	2453	8	13.09%	0.9158 58	-	-	-	Ccdc114
17207	5269	8	5.58%	0.4263 81	5	4.65%	0.266 787	Mcf21
83961	1952	8	15.47%	1.1509 22	6	15.06%	0.864 159	Nrg4
77352	2154	8	16.20%	1.0429 9	6	10.63%	0.783 119	Axdnd1
12035	7868	7	3.79%	0.2498 44	8	4.08%	0.285 856	Bcat1
72091	763	7	38.79%	2.5763 76	5	27.65%	1.842 331	Snhg7
414068	1661	7	20.65%	1.1834 89	14	33.05%	2.369 63	BC0245 82
66953	2361	7	11.90%	0.8326 03	3	6.23%	0.357 23	Cdca7
26462	1922	7	12.38%	1.0227 76	7	15.92%	1.023 922	Txnrd2
170752	2093	7	15.15%	0.9392 14	14	27.52%	1.880 533	Bco2
214901	3163	7	10.84%	0.6214 91	5	6.23%	0.444 419	Chtf18
78895	2848	7	8.18%	0.6902 3	3	4.49%	0.296 144	Pus71
217310	3237	7	9.14%	0.6072 83	5	7.57%	0.434 26	C630004 H02Rik
gi 158518007 ref NM_007755.4	2612	7	13.13%	0.7525 94	4	7.50%	0.430 535	-
16196	2475	7	11.92%	0.7942 52	3	5.94%	0.340 775	Il7
664968	1051	7	32.64%	1.8703 85	9	29.78%	2.407 476	Tmem23 8
16977	1470	7	19.52%	1.3372 62	-	-	-	Lrrc23
17025	1392	7	20.40%	1.4121 94	7	22.70%	1.413 777	Alad
74558	9040	7	2.19%	0.2174 53	5	1.37%	0.155 498	Gvin1
104367	118	7	88.14%	16.659 11	5	82.20%	11.91 27	Snora65
gi 149272093 ref XR_032027.1	805	7	19.88%	2.4419 56	2	7.20%	0.698 484	-

15484	1874	7	17.13%	1.0489 73	1	2.61%	0.150 021	Hsd11b2
21859	4681	7	7.33%	0.4199 48	10	9.08%	0.600 597	Timp3
53883	10543	7	3.25%	0.1864 53	4	1.86%	0.106 664	Celsr2
12169	3005	7	11.41%	0.6541 68	13	19.10%	1.216 245	Bmx
72415	3609	7	8.67%	0.5446 87	5	6.79%	0.389 498	Sgol1
gi 149267956 ref X M_001479870.1	576	7	30.38%	3.4128 03	3	24.48%	1.464 269	-
20215	1718	7	19.97%	1.1442 23	12	28.41%	1.963 723	Sag
381126	4783	7	7.17%	0.4109 92	8	7.32%	0.470 232	Fam59a
66556	929	7	18.84%	2.1160 12	3	13.67%	0.907 878	Drap1
17279	2914	7	11.77%	0.6745 97	8	12.59%	0.771 832	Melk
16499	2537	7	10.13%	0.7748 42	7	13.52%	0.775 711	Kcnab3
gi 149266571 ref X R_030860.1	3575	7	1.73%	0.5498 67	2	1.45%	0.157 281	-
66475	572	7	18.18%	3.4366 69	6	20.28%	2.949 017	Rps23
403174	2793	7	12.28%	0.7038 22	11	16.54%	1.107 245	A930005 I04Rik
217169	4755	7	6.77%	0.4134 12	8	7.34%	0.473	Tns4
22035	4944	7	3.86%	0.3976 08	18	5.76%	1.023 567	Tnfsf10
75141	2810	7	12.21%	0.6995 64	4	6.98%	0.400 199	Rasd2
gi 149269277 ref X M_001476489.1	1022	7	28.77%	1.9234 59	3	14.38%	0.825 263	-
gi 162287253 ref N M_177889.4	2093	7	15.38%	0.9392 14	2	4.68%	0.268 648	-
68195	1031	7	13%	1.9066 68	12	22.70%	3.272 237	Rnaset2b
207839	5715	7	5.62%	0.3439 68	1	0.86%	0.049 193	Galnt6
404634	1910	7	13.77%	1.0292 01	3	6.34%	0.441 581	H2afy2

66995	3327	7	8.84%	0.5908 55	4	5.89%	0.338 01	Zcchc18
14582	1823	7	16.40%	1.0783 19	3	8.06%	0.462 654	Gfi1b
11628	2413	7	14.21%	0.8146 6	4	8.12%	0.466 042	Aicda
1E+08	963	7	16.30%	2.0413 03	3	6.85%	0.875 824	Tigit
gi 149274729 ref X M_908118.3	1755	7	7.29%	1.1201	1	2.79%	0.160 194	-
231863	2831	7	10.88%	0.6943 75	4	6.92%	0.397 23	Fbxl18
74445	6479	7	5.29%	0.3034 07	4	3.03%	0.173 57	4933412 A08Rik
67866	1169	7	25.66%	1.6815 87	1	4.19%	0.240 496	Wfdc1
68226	2551	7	11.60%	0.7705 9	12	21.13%	1.322 492	Efcab2
12581	1271	7	15.18%	1.5466 36	6	15.58%	1.327 174	Cdkn2d
80733	1125	7	23.64%	1.7473 55	9	29.51%	2.249 117	Car15
232785	4415	7	7.77%	0.4452 49	1	1.11%	0.063 678	Zfp783
gi 149274389 ref X R_034197.1	1473	7	20.57%	1.3345 38	7	21.66%	1.336 034	-
20317	1497	7	22.51%	1.3131 43	5	10.69%	0.939 01	Serpinf1
72026	1520	7	18.75%	1.2932 73	3	9.67%	0.554 881	Trmu
17957	3693	7	9.29%	0.5322 98	3	3.93%	0.228 383	Napb
69549	571	7	29.42%	3.4426 88	6	29.25%	2.954 182	2310009 B15Rik
gi 149265609 ref X M_993473.2	778	7	7.07%	2.5267 03	22	6.94%	7.949 965	-
244152	2760	7	12.43%	0.7122 37	3	5.33%	0.305 587	Tsku
60525	2833	7	11.54%	0.6938 84	12	17.51%	1.190 849	Accs2
668166	5623	7	4.48%	0.3495 95	14	10.26%	0.699 974	Zxdb
385499	600	7	9.67%	3.2762 91	17	10%	7.965 624	Gm5401

268465	2228	7	14.86%	0.8823 05	3	6.60%	0.378 554	Eme1
71564	938	7	25.80%	2.0957 09	5	24.31%	1.498 612	Izumo4
56448	2788	7	11.05%	0.7050 84	2	3.52%	0.201 678	Cyp2d22
207742	4336	7	7.91%	0.4533 61	4	4.52%	0.259 354	Rnf43
74481	1433	7	20.52%	1.3717 9	17	45.64%	3.335 223	Batf2
232933	2010	7	14.43%	0.9779 97	9	16.77%	1.258 834	Ccdc61
218121	2881	7	11.91%	0.6823 24	5	7.81%	0.487 92	Mboat1
gi 149247742 ref XR_033326.1	842	7	24.23%	2.3346 49	2	11.64%	0.667 79	-
13867	4020	7	8.53%	0.4889 99	2	2.44%	0.139 87	Erbp3
gi 149260688 ref XR_032300.1	1177	7	10.54%	1.6701 57	23	13.08%	5.493 808	-
108079	8201	7	4.18%	0.2396 99	2	1.19%	0.068 562	Prkaa2
263803	2948	7	11.64%	0.6668 16	9	13.36%	0.858 296	Pkn3
14697	1799	7	18.01%	1.0927 04	1	2.72%	0.156 276	Gnb5
gi 219803170 ref NR_026574.1	4073	7	3.24%	0.4826 36	9	3.12%	0.621 227	-
320557	4570	7	7.51%	0.4301 48	6	6.15%	0.369 111	Fam169a
243864	1120	7	20%	1.7551 56	5	18.12%	1.255 088	Mill2
235386	5103	7	5.57%	0.3852 19	3	2.88%	0.165 279	Agphd1
117167	3140	7	10.92%	0.6260 43	7	10.54%	0.626 744	Steap4
78408	2271	7	11.54%	0.8655 99	10	16.60%	1.237 955	Fam131a
328977	5512	7	6.22%	0.3566 35	2	1.78%	0.102 01	Zfp532
66120	799	7	31.16%	2.4602 94	2	12.27%	0.703 729	Fkbp11
71228	7878	7	4.35%	0.2495 27	6	3.73%	0.214 12	Dlg5

625018	5369	7	5.49%	0.3661 34	5	4.56%	0.261 818	C4a
13052	5538	7	4.42%	0.3549 61	7	4.42%	0.355 359	Cxadr
72958	3274	7	8.98%	0.6004 2	4	5.99%	0.343 482	Zfp493
235582	4226	7	7.55%	0.4651 62	5	5.80%	0.332 631	Glyetk
237886	3856	7	7.44%	0.5097 96	9	5.32%	0.656 187	Slfn9
12189	6648	7	5.16%	0.2956 94	13	9.16%	0.549 762	Brca1
244144	3982	7	8.26%	0.4936 65	9	9.14%	0.635 424	Usp35
26366	1060	7	32.26%	1.8545 04	1	4.62%	0.265 226	Ceacam1 0
67849	1906	7	15.48%	1.0313 61	2	5.14%	0.295 005	Cdca5
170823	2015	7	14.64%	0.9755 71	9	19.40%	1.255 711	Glmn
66730	1905	7	12.07%	1.0319 03	5	10.81%	0.737 899	4921531 C22Rik
12874	9152	7	2.29%	0.2147 92	3	1.61%	0.092 157	Cpd
16564	6439	7	5.28%	0.3052 92	5	3.80%	0.218 31	Kif21a
69168	729	7	29.63%	2.6965 36	6	37.31%	2.313 907	Bola1
14538	4021	7	7.71%	0.4888 77	1	1.22%	0.069 918	Gcnt2
109254	2519	7	2.62%	0.7803 79	6	2.46%	0.669 646	9530008 L14Rik
330554	3475	7	8.95%	0.5656 91	3	4.23%	0.242 71	Fan1
gi 153792153 ref NM_008415.5	3378	7	8.35%	0.5819 34	4	5.80%	0.332 907	-
329554	1097	7	25.71%	1.7919 55	11	36.01%	2.819 085	Gm826
89867	4611	7	7.44%	0.4263 23	5	3.25%	0.304 858	Sec16b
gi 149262388 ref XM_001472960.1	286	7	37.76%	6.8733 38	4	35.66%	3.932 023	-
94282	3654	7	9.39%	0.5379 79	4	5.15%	0.307 761	Sfxn5

66962	1846	7	14.57%	1.0648 83	4	10.62%	0.609 187	2310047 B19Rik
18701	980	7	27.65%	2.0058 93	11	39.29%	3.155 649	Pigf
15485	1317	7	25.59%	1.4926 16	1	3.72%	0.213 47	Hsd17b1
60507	1328	7	11.52%	1.4802 52	7	13.33%	1.481 911	Qtrt1
74637	2781	7	12.26%	0.7068 59	9	13.92%	0.909 837	Shpk
gi 118130869 ref N M_183288.2	1426	7	24.05%	1.3785 24	5	15.50%	0.985 763	-
16768	2020	7	16.49%	0.9731 56	2	4.85%	0.278 356	Lag3
117606	4428	7	7.75%	0.4439 42	1	1.11%	0.063 491	Boc
13877	812	7	14.29%	2.4209 05	7	13.30%	2.423 618	Erh
217935	3725	7	8.56%	0.5277 25	4	5.26%	0.301 895	Wdr60
211232	2779	7	7.77%	0.7073 68	7	12.34%	0.708 16	Cpne9
gi 149275067 ref X R_032055.1	1975	7	10.33%	0.9953 29	6	7.75%	0.854 095	-
260305	5047	7	6.50%	0.3894 94	9	7.21%	0.501 339	Nphp4
353346	3433	7	8.77%	0.5726 11	7	8.59%	0.573 253	Gpr141
68144	6021	7	4.40%	0.3264 86	1	0.81%	0.046 693	5031426 D15Rik
1E+08	2101	7	5.47%	0.9356 38	14	7.62%	1.873 372	Gm3853
76131	3333	7	7.47%	0.5897 91	4	5.88%	0.337 401	Depdc1a
1E+08	2048	7	5.81%	0.9598 51	7	2.93%	0.960 927	Gm4031
20913	6035	7	5.35%	0.3257 29	8	5.19%	0.372 679	Stxbp4
22137	2904	7	10.12%	0.6769 2	3	5.06%	0.290 434	Ttk
12325	3703	7	5.37%	0.5308 6	3	3.97%	0.227 766	Camk2g
20511	11571	7	2.12%	0.1698 88	8	3.07%	0.194 375	Slc1a2

gi 149255004 ref X M_914561.3	1500	7	6.53%	1.3105 16	1	3.27%	0.187 426	-
73689	910	7	20.99%	2.1601 92	5	15.60%	1.544 723	Bloc1s2a
66425	1575	7	21.78%	1.2481 11	3	9.33%	0.535 504	Pcp411
67063	2983	7	10.76%	0.6589 93	12	16.73%	1.130 967	Tmem24 6
gi 145386586 ref N M_207624.4	4885	7	6.10%	0.4024 1	4	4.01%	0.230 206	-
gi 21314829 ref N M_139292.1	2011	7	17.06%	0.9775 11	2	4.87%	0.279 602	-
226352	6510	7	3.01%	0.3019 62	4	3.01%	0.172 743	Epb4.115
13617	3643	7	9.42%	0.5396 03	-	-	-	Ednra
231668	4054	7	7.33%	0.4848 98	3	3.63%	0.208 046	Vsig10
66456	917	7	36.53%	2.1437 02	2	10.69%	0.613 173	2810001 G20Rik
gi 16905074 ref N M_054039.1	3739	7	9.17%	0.5257 49	2	2.14%	0.150 382	-
68982	1883	7	13.49%	1.0439 59	8	18.22%	1.194 433	1500015 A07Rik
14733	3552	7	9.66%	0.5534 28	2	2.76%	0.158 299	Gpc1
20743	8254	7	3.56%	0.2381 6	7	4.16%	0.238 427	Spnb3
gi 94410339 ref X M_904758.2	441	7	39.46%	4.4575 39	3	29.93%	1.912 515	-
317750	1951	7	16.66%	1.0075 73	6	13.99%	0.864 602	Slc24a5
1E+08	116	7	89.66%	16.946 33	4	80.17%	9.694 471	Snora75
233651	10651	7	2.94%	0.1845 62	10	4.16%	0.263 956	Dchs1
240667	3923	7	8.74%	0.5010 9	2	2.50%	0.143 329	Sec31b
12349	1807	7	16.33%	1.0878 66	6	14.72%	0.933 502	Car2
67092	2357	7	13.41%	0.8340 16	4	8.32%	0.477 114	Gatm
381524	2123	7	16.16%	0.9259 42	-	-	-	AI42780 9

70348	1828	7	18.54%	1.0753 69	-	-	-	Ube2cbp
gi 149266134 ref X M_001479333.1	3393	7	9.61%	0.5793 62	13	16.21%	1.077 163	-
1E+08	824	7	30.22%	2.3856 49	6	17.84%	2.047 133	Gm2511
338350	2375	7	13.09%	0.8276 95	5	10.32%	0.591 873	Acad12
18782	2264	7	5.57%	0.8682 75	4	3.58%	0.496 713	Pla2g2d
68328	1071	7	21.10%	1.8354 57	5	19.98%	1.312 51	Rab13
71085	5150	7	6.47%	0.3817 04	7	6.66%	0.382 132	Arhgap1 9
56520	863	7	25.26%	2.2778 39	8	35.57%	2.606 161	Nme4
1E+08	1702	7	6.23%	1.1549 79	23	3.35%	3.799 185	Gm3817
69920	707	7	26.73%	2.7804 45	6	15.56%	2.385 909	Polr2i
gi 142386703 ref N M_020574.4	1012	7	25.89%	1.9424 65	-	-	-	-
gi 94371496 ref X M_905410.2	715	7	17.06%	2.7493 35	8	18.88%	3.145 619	-
gi 149274378 ref X R_031186.1	665	7	24.96%	2.9560 52	5	19.55%	2.113 832	-
407800	3626	7	7.80%	0.5421 33	3	1.57%	0.232 603	Ecm2
29873	3881	7	7.65%	0.5065 12	2	2.53%	0.144 88	Cspg5
18099	4507	7	6.12%	0.4361 6	3	3.26%	0.187 135	Nlk
76261	1870	7	16.47%	1.0512 16	6	11.60%	0.902 052	0610040 J01Rik
13845	4164	7	5.88%	0.4720 88	5	5.88%	0.337 584	Ephb3
1E+08	2186	7	11.25%	0.8992 57	6	4.62%	0.771 655	Gm3697
69519	1334	7	20.69%	1.4735 94	5	17.62%	1.053 747	Rwdd2a
230161	5048	7	3.21%	0.3894 17	11	4.99%	0.612 626	Acnat1
381352	3990	7	8.60%	0.4926 75	4	4.91%	0.281 844	Mamdc4

68126	1242	7	27.62%	1.5827 49	9	31.72%	2.037 244	Fahd2a
27375	3037	7	10.27%	0.6472 75	7	10.54%	0.648 001	Tjp3
432779	2746	7	7.83%	0.7158 68	4	2.62%	0.409 526	Lrrc14b
434246	2472	7	10.48%	0.7952 16	8	15.86%	0.909 837	Trim72
103841	3189	7	10.44%	0.6164 24	14	20.73%	1.234 229	Cuedc1
75516	1000	7	32.20%	1.9657 75	6	21.70%	1.686 838	Ttc32
64435	1911	7	10.15%	1.0286 63	-	-	-	Fcamr
gi 121674802 ref NM_172732.2	1156	7	26.04%	1.7004 97	4	14.79%	0.972 802	-
229521	4585	7	2.33%	0.4287 4	6	1.55%	0.367 904	Syt11
14048	4354	7	7.35%	0.4514 87	2	2.25%	0.129 141	Eya1
74559	5453	7	6.29%	0.3604 94	3	2.70%	0.154 671	Elovl7
73919	1276	7	23.04%	1.5405 76	2	7.68%	0.440 658	Lyrml
230767	2213	7	9.31%	0.8882 85	3	4.79%	0.381 12	Iqcc
11932	2959	7	10.44%	0.6643 38	2	3.31%	0.190 023	Atp1b2
18082	1874	7	12.86%	1.0489 73	3	7.84%	0.450 063	Nipsnap 1
14254	6280	7	5.46%	0.3130 21	4	3.12%	0.179 07	Flt1
76645	7386	7	4.64%	0.2661 49	2	1.33%	0.076 128	Pkd112
171285	2725	7	10.83%	0.7213 85	3	5.39%	0.309 512	Havcr2
gi 256355199 ref NR_015537.1	2120	7	13.07%	0.9272 52	6	11.56%	0.795 678	-
69478	612	7	42.48%	3.2120 5	10	49.02%	4.593 785	2300009 A05Rik
12448	3023	7	8.47%	0.6502 73	6	7.77%	0.558 001	Ccne2
78934	2402	7	10.70%	0.8183 91	4	8.16%	0.468 176	4930581 F22Rik

11858	684	7	43.71%	2.8739 4	14	50.44%	5.754 321	Rnd2
22414	3573	7	9.60%	0.5501 75	2	1.65%	0.157 369	Wnt2b
gi 142348084 ref NM_177386.4	7594	7	4.41%	0.2588 59	3	1.94%	0.111 064	-
53620	1648	7	18.99%	1.1928 24	3	5.95%	0.511 783	Vamp5
23890	1898	7	18.07%	1.0357 09	4	10.33%	0.592 497	Gpr34
12642	1365	7	23.66%	1.4401 28	35	75.24%	7.208 709	Ch25h
68157	1439	7	16.33%	1.3660 7	3	4.38%	0.586 115	6720475 J19Rik
26879	1901	7	17.89%	1.0340 74	7	17.57%	1.035 233	B3galnt1
gi 291045295 ref NM_001173459.1	1232	7	22.40%	1.5955 96	2	4.63%	0.456 396	-
27425	529	7	10.78%	3.7160 2	6	10.78%	3.188 73	Atp51
gi 149251810 ref XM_001478242.1	4925	7	4.51%	0.3991 42	4	3.11%	0.228 337	-
13804	1032	7	28.88%	1.9048 2	6	12.50%	1.634 533	Endog
18126	3990	7	8.60%	0.4926 75	5	5.64%	0.352 305	Nos2
14939	1418	7	19.96%	1.3863 01	2	6.91%	0.396 53	Gzmb
gi 149263779 ref XM_903418.2	474	7	33.97%	4.1472 04	4	19.20%	2.372 487	-
319930	3361	7	1.96%	0.5848 78	8	3.57%	0.669 181	Ceacam1 9
1E+08	2492	7	9.03%	0.7888 34	4	7.87%	0.451 268	Gm4434
109676	5790	6	3.61%	0.2910 1	8	4.27%	0.388 449	Ank2
11504	4904	6	6%	0.3435 87	7	5.59%	0.401 3	Adams1
54215	2590	6	11.35%	0.6505 6	6	10.35%	0.651 289	Cd160
109050	4701	6	6.25%	0.3584 24	1	1.04%	0.059 804	6530418 L21Rik
73390	2140	6	11.64%	0.7873 6	6	13.74%	0.788 242	Msl312

19339	1490	6	14.56%	1.1308 39	2	6.58%	0.377 369	Rab3a
1E+08	3300	6	5.09%	0.5105 91	4	5.15%	0.340 775	1110002 L01Rik
20300	1098	6	18.67%	1.5345 63	6	19.03%	1.536 282	Ccl25
12374	4549	6	6.46%	0.3704	2	2.13%	0.123 605	Casr
gi 118130144 ref N M_010789.2	3057	6	9.62%	0.5511 78	6	8.08%	0.551 795	-
67121	4652	6	4.75%	0.3621 99	4	4.21%	0.241 737	Mastl
14841	2818	6	9.79%	0.5979 24	6	7.45%	0.598 594	Gsg2
109346	1786	6	12.77%	0.9434 21	6	15.96%	0.944 478	Ankrd39
110332	2476	6	7.15%	0.6805 13	6	11.87%	0.681 275	Pp2d1
381113	2931	6	8.19%	0.5748 72	2	3.34%	0.191 839	Cdkl4
224598	2988	6	4.69%	0.5639 06	6	8.94%	0.564 537	Zfp758
330695	1242	6	18.60%	1.3566 42	3	11.84%	0.679 081	Ctxn1
213389	3460	6	5.61%	0.4869 8	4	5.66%	0.325 017	Prdm9
16785	1861	6	8.22%	0.9054	8	10.80%	1.208 553	Rpsa
67629	1349	6	21.79%	1.2490 36	9	29.65%	1.875 654	Sp24
gi 149247788 ref X M_001477670.1	1058	6	13.89%	1.5925 8	3	11.25%	0.797 182	-
66768	1464	6	20.01%	1.1509 22	6	17.35%	1.152 212	Pacrgl
53600	1162	6	9.64%	1.4500 43	8	9.98%	1.935 557	Timm23
gi 149250517 ref X M_001480261.1	1913	6	8.94%	0.8807 89	4	8.63%	0.587 851	-
74251	2558	6	10.20%	0.6586 98	16	19.04%	1.758 497	Ankrd9
66468	2669	6	9.10%	0.6313 04	4	7.34%	0.421 341	Ska1
71151	3569	6	8.01%	0.4721 07	6	8.24%	0.472 636	Eri2

16351	2118	6	12.98%	0.7955 38	8	18.08%	1.061 906	Ipp
225192	1537	6	16.01%	1.0962 59	-	-	-	Hrh4
329659	1541	6	19.08%	1.0934 13	9	21.80%	1.641 958	E130311 K13Rik
52665	3048	6	5.64%	0.5528 05	9	8.79%	0.830 137	Echdc1
1E+08	2816	6	7.07%	0.5983 49	3	5.22%	0.299 51	Tgtp2
16599	2314	6	8.04%	0.7281 55	6	7.43%	0.728 971	Klf3
56030	6563	6	3.61%	0.2567 35	2	1.49%	0.085 674	Tmem13 1
gi 149274721 ref X M_001481209.1	396	6	31.57%	4.2549 24	8	54.04%	5.679 589	-
gi 295789086 ref N M_001177964.1	1434	6	11.51%	1.175	2	6%	0.392 106	-
668173	1647	6	17.30%	1.0230 42	3	8.93%	0.512 094	Pex10
215707	2256	6	11.13%	0.7468 75	2	4.34%	0.249 237	Ccdc92
gi 142387311 ref N M_025565.2	1161	6	25.32%	1.4512 92	10	31.87%	2.421 53	-
13983	3362	6	2.08%	0.5011 75	4	1.52%	0.334 491	Esr2
gi 149251836 ref X M_001478884.1	3562	6	2.33%	0.4730 35	11	2.02%	0.868 202	-
1E+08	2180	6	6.74%	0.7729 13	3	4.54%	0.386 889	Gm4072
229665	2342	6	12.55%	0.7194 49	6	12.55%	0.720 255	Ampd1
gi 149268467 ref X M_001471837.1	1382	6	21.27%	1.2192 11	1	3.55%	0.203 43	-
68481	2356	6	11.76%	0.7151 74	3	6.24%	0.357 988	Mpz11
19347	4972	6	1.87%	0.3388 88	1	0.99%	0.056 545	Dennd5a
13388	3444	6	8.54%	0.4892 42	12	14.23%	0.979 581	Dl11
gi 118130998 ref N M_008080.4	2395	6	6.85%	0.7035 28	2	3.30%	0.234 772	-
14051	4099	6	7.17%	0.4110 64	1	1.20%	0.068 587	Eya4

54369	1025	6	24.10%	1.6438 53	6	20.29%	1.645 696	Nme6
gi 94377518 ref X M_994639.1	2568	6	9.07%	0.6561 33	2	3.82%	0.218 956	-
16160	1951	6	14.25%	0.8636 34	3	7.53%	0.432 301	Il12b
436022	2189	6	11.47%	0.7697 35	8	14.48%	1.027 463	Dnaaf3
gi 141803204 ref N M_025935.2	1097	6	25.34%	1.5359 62	6	20.69%	1.537 683	-
60425	1481	6	19.85%	1.1377 11	3	9.93%	0.569 493	Doc2g
gi 237681132 ref N M_001160239.1	570	6	13.33%	2.9560 52	9	13.86%	4.439 047	-
53376	3882	6	7.57%	0.4340 42	11	12.11%	0.796 635	Usp2
208366	2736	6	10.20%	0.6158 44	13	16.89%	1.335 824	Rpp40
19341	1427	6	17.17%	1.1807 64	2	4.77%	0.394 029	Rab4a
192190	12750	6	2.31%	0.1321 53	1	0.38%	0.022 05	Pkhd111
14865	1684	6	17.46%	1.0005 64	17	33.14%	2.838 108	Gstm4
1E+08	3419	6	1.90%	0.4928 19	5	2.87%	0.411 143	Gm1971
12224	1728	6	13.95%	0.9750 87	9	19.85%	1.464 269	Klf5
68431	1365	6	19.05%	1.2343 95	5	17.95%	1.029 816	Fbx115
68794	9166	6	2.85%	0.1838 26	5	2.17%	0.153 36	Flnc
66046	999	6	12.71%	1.6866 36	3	14.01%	0.844 263	Ndufb5
77318	2887	6	8.49%	0.5836 33	2	3.39%	0.194 762	Ankrd55
20493	1674	6	6.81%	1.0065 41	3	2.93%	0.503 835	Slc10a1
211135	2002	6	14.69%	0.8416 33	4	9.79%	0.561 718	D130040 H23Rik
69387	1172	6	21.76%	1.4376 7	6	19.03%	1.439 282	Dnajb13
22646	2004	6	13.32%	0.8407 93	6	11.18%	0.841 736	Zfp105

67795	1632	6	15.13%	1.0324 45	8	18.01%	1.378 136	Rnls
74347	2574	6	9.95%	0.6546 04	5	7.77%	0.546 114	4632415 K11Rik
234683	3060	6	8.01%	0.5506 37	6	9.61%	0.551 254	Elmo3
217140	1534	6	16.95%	1.0984 03	4	8.02%	0.733 089	Scrn2
gi 149256691 ref X M_001481105.1	1063	6	17.69%	1.5850 89	6	13.73%	1.586 865	-
231946	2096	6	10.69%	0.8038 88	1	2.34%	0.134 132	D330028 D13Rik
gi 149266718 ref X M_001477906.1	1067	6	21.56%	1.5791 47	7	20.24%	1.844 403	-
13587	716	6	29.61%	2.3532 82	3	20.53%	1.177 959	Ear2
gi 149274700 ref X R_033777.1	1010	6	5.74%	1.6682 67	4	6.14%	1.113 424	-
gi 94410060 ref X M_912564.2	375	6	61.87%	4.4931 99	-	-	-	-
gi 149270659 ref X M_001478369.1	3074	6	7.12%	0.5481 29	5	7.97%	0.457 286	-
80986	2601	6	11.30%	0.6478 08	13	18.30%	1.405 158	Ckap2
gi 94374698 ref X M_897537.2	2882	6	10.20%	0.5846 46	2	3.40%	0.195 1	-
237221	1836	6	11.49%	0.9177 29	4	8.61%	0.612 505	Gemin8
56720	1646	6	15.37%	1.0236 63	2	5.95%	0.341 603	Tdo2
14840	1448	6	16.23%	1.1636 39	2	6.77%	0.388 314	Gsg1
gi 149268968 ref X M_001477549.1	1020	6	24.22%	1.6519 12	5	21.86%	1.378 136	-
14221	2446	6	10.83%	0.6888 59	9	15.41%	1.034 447	Fjx1
15898	2982	6	9.76%	0.5650 4	1	1.64%	0.094 279	Icam5
1E+08	2057	6	8.65%	0.8191 3	3	5.35%	0.410 024	Gm1652 9
71078	2362	6	7.37%	0.7133 57	14	27.01%	1.666 365	Adam30
67008	3436	6	8.32%	0.4903 81	4	5.70%	0.327 287	1600012 F09Rik

16524	3270	6	8.99%	0.5152 75	5	7.49%	0.429 877	Kcnj9
234542	1923	6	15.29%	0.8762 09	2	5.10%	0.292 397	Rtbdn
24050	4731	6	5.14%	0.3561 51	1	1.04%	0.059 425	3-Sep
626280	3924	6	6.52%	0.4293 96	2	2.50%	0.143 292	Gm6661
14114	3359	6	8.75%	0.5016 22	1	1.46%	0.083 697	Fbln1
69852	4101	6	7.17%	0.4108 63	5	4.95%	0.342 77	Tcf23
50911	1622	6	13.81%	1.0388 1	4	10.54%	0.693 316	Exosc9
22625	3936	6	6.33%	0.4280 87	-	-	-	Ysk4
99982	3030	6	9.60%	0.5560 89	11	10.59%	1.020 639	Kdm1a
224022	3231	6	9.10%	0.5214 95	5	7.58%	0.435 066	Slc7a4
243897	2653	6	11.08%	0.6351 11	4	7.39%	0.423 882	Ggn
57275	668	6	39.67%	2.5223 8	3	22.01%	1.262 603	Lenep
66176	1130	6	18.85%	1.4911 06	6	17.79%	1.492 777	Nat9
13835	3273	6	8.98%	0.5148 03	5	6.14%	0.429 483	Epha1
69944	4966	6	5.92%	0.3392 97	8	7.89%	0.452 903	2810021 J22Rik
gi 149262026 ref X M_001473861.1	2024	6	6.23%	0.8324 85	1	2.42%	0.138 903	-
83922	3393	6	7.90%	0.4965 96	8	9.99%	0.662 87	Tsga14
19376	1721	6	14.88%	0.9790 53	11	26.44%	1.796 941	Rab34
245631	4600	6	5.39%	0.3662 93	9	8.57%	0.550 056	Mum111
668839	2748	6	7.24%	0.6131 55	3	5.35%	0.306 921	Gm9393
gi 149270902 ref X R_031489.1	3186	6	3.39%	0.5288 61	6	5.18%	0.529 453	-
69017	2510	6	11.71%	0.6712 95	2	3.90%	0.224 016	Prrt2

71988	2899	6	10.14%	0.5812 18	10	16.28%	0.969 782	Esco2
74032	2835	6	10.37%	0.5943 39	4	5.43%	0.396 67	Sdr42e1
gi 149258764 ref X M_001478061.1	3012	6	9.43%	0.5594 12	10	16.27%	0.933 399	-
268697	2316	6	11.44%	0.7275 26	7	10.58%	0.849 731	Ccnb1
18197	2243	6	9.76%	0.7512 04	-	-	-	Nsg2
16012	1305	6	20.31%	1.2911 49	1	3.75%	0.215 433	Igfbp6
640020	3694	6	7.96%	0.4561 32	1	1.33%	0.076 107	Muc3b
72000	2047	6	13.68%	0.8231 31	-	-	-	1600016 N20Rik
56643	3123	6	2.18%	0.5395 29	2	2.37%	0.180 045	Slc15a1
102124	1307	6	18.36%	1.2891 74	7	18.36%	1.505 721	E130303 B06Rik
338369	1147	6	13.34%	1.4690 06	5	18.05%	1.225 543	Tmem22 0
245522	2168	6	12.41%	0.7771 91	2	4.52%	0.259 354	Zc4h2
50873	3202	6	7.87%	0.5262 18	5	7.65%	0.439 006	Park2
230863	3158	6	8.30%	0.5335 5	11	13.17%	0.979 271	Sh2d5
68550	1302	6	19.59%	1.2941 24	3	11.29%	0.647 787	1110002 N22Rik
114714	2954	6	8.90%	0.5703 96	16	21.73%	1.522 761	Rad51c
19116	10328	6	2.85%	0.1631 44	3	1.14%	0.081 663	Prlr
329436	1780	6	13.37%	0.9466 01	2	2.81%	0.315 887	Gm1446 1
66757	1453	6	18.03%	1.1596 35	2	6.74%	0.386 978	Adat2
14164	3909	6	6.45%	0.4310 44	6	4.68%	0.431 527	Fgf1
68708	1650	6	17.45%	1.0211 82	7	15.82%	1.192 714	Rabl2
53892	2911	6	5.50%	0.5788 22	11	8.04%	1.062 362	Ppm1d

243963	3805	6	7.10%	0.4428 25	2	2.58%	0.147 774	Zfp473
22036	2697	6	10.57%	0.6247 5	1	1.82%	0.104 242	Traip
11475	1780	6	11.12%	0.9466 01	8	21.18%	1.263 549	Acta2
226791	1577	6	18.33%	1.0684 53	7	16.11%	1.247 925	Lyplal1
16597	5742	6	5.12%	0.2934 43	3	2.56%	0.146 886	Klf12
214531	3245	6	7.67%	0.5192 45	2	1.66%	0.173 276	Tmprss1 3
320720	2877	6	7.09%	0.5856 62	5	7.89%	0.488 599	Fastkd1
gi 31652265 ref N M_145540.2	4452	6	1.91%	0.3784 7	4	2.29%	0.252 596	-
210573	4853	6	6.06%	0.3471 98	3	2.37%	0.173 793	Tmem15 1b
70823	3924	6	6.24%	0.4293 96	2	1.27%	0.143 292	Hmgxb4
93737	3143	6	9.35%	0.5360 96	5	7.80%	0.447 247	Pard6g
66204	677	6	38.26%	2.4888 48	12	44.76%	4.983 273	Acyp1
gi 149274768 ref X M_001478915.1	444	6	40.77%	3.7949 32	2	17.57%	1.266 395	-
11871	864	6	30.21%	1.9501 73	7	29.98%	2.277 752	Art2a-ps
18166	3007	6	2.43%	0.5603 42	7	4.02%	0.654 465	Npy1r
75729	5187	6	4.55%	0.3248 41	7	3.08%	0.379 406	4933432 B09Rik
73261	1099	6	21.20%	1.5331 66	2	8.92%	0.511 628	1700037 C18Rik
19366	3093	6	8.73%	0.5447 62	6	8.92%	0.545 373	Rad54l
1E+08	2088	6	5.56%	0.8069 68	3	4.98%	0.403 936	Gm3714
22153	2246	6	13.09%	0.7502	3	6.54%	0.375 52	Tubb4a
gi 149258109 ref X R_034424.1	11526	6	1.05%	0.1461 87	4	1%	0.097 567	-
271305	3755	6	7.72%	0.4487 22	-	-	-	Phf21b

20977	2482	6	9.71%	0.6788 68	10	17.73%	1.132 714	Syp
109222	1411	6	19.56%	1.1941 53	-	-	-	Rarres1
gi 149261816 ref X M_904084.3	3454	6	4.92%	0.4878 26	3	2.84%	0.244 186	-
69142	1109	6	19.39%	1.5193 42	8	22.99%	2.028 059	Cd209f
gi 149247727 ref X M_001475560.1	1137	6	12.05%	1.4819 26	5	16.89%	1.236 322	-
1E+08	122	6	68.85%	13.811 06	5	80.33%	11.52 212	Snora28
231296	3116	6	9.44%	0.5407 41	2	3.15%	0.180 449	Lrrc66
gi 149275113 ref X R_033469.1	1773	6	9.31%	0.9503 38	2	3.67%	0.317 134	-
18526	8263	6	2.37%	0.2039 15	7	3.56%	0.238 167	Pcdh10
69066	1100	6	18.91%	1.5317 73	1	4.45%	0.255 582	1810010 H24Rik
104027	5012	6	5.61%	0.3361 83	1	0.98%	0.056 093	Synpo
432628	3125	6	9.41%	0.5391 84	6	6.34%	0.539 788	Mfsd2b
93701	4480	6	5.47%	0.3761 05	1	1.09%	0.062 754	Pcdhgb4
329514	1396	6	18.70%	1.2069 84	8	24.71%	1.611 116	Gm1404 7
66599	1098	6	22.68%	1.5345 63	18	65.48%	4.608 847	Rdm1
11596	1399	6	21.02%	1.2043 96	3	10.51%	0.602 873	Ager
378460	2290	6	12.84%	0.7357 86	7	10.31%	0.859 379	Pram1
56012	906	6	31.90%	1.8597 68	8	37.31%	2.482 469	Pgam2
57875	1916	6	13.31%	0.8794 1	5	10.91%	0.733 663	Angptl4
217125	3334	6	8.82%	0.5053 84	1	1.47%	0.084 325	Samd14
68173	1777	6	13.79%	0.9481 99	3	8.27%	0.474 631	Ppifos
194126	2812	6	9.74%	0.5992	2	3.49%	0.199 957	Mtmr11

gi 149255638 ref X M_001476679.1	938	6	5.44%	1.7963 22	6	5.65%	1.798 335	-
170765	1554	6	6.11%	1.0842 66	11	17.76%	1.990 049	Ripply3
1E+08	774	6	23.77%	2.1769 38	2	12.66%	0.726 459	Gm1248 0
78177	5104	6	5.76%	0.3301 23	3	2.88%	0.165 247	Nin1
gi 149258967 ref X M_986414.2	865	6	11.10%	1.9479 19	2	8.09%	0.650 034	-
72982	918	6	22.11%	1.8354 57	5	23.42%	1.531 262	Tmem13 8
76426	649	6	32.20%	2.5962 25	3	8.17%	1.299 567	1700029 J11Rik
68044	1328	6	19.35%	1.2687 87	4	14.76%	0.846 806	Chac2
gi 149253125 ref X M_001478120.1	752	6	32.05%	2.2406 25	2	13.03%	0.747 712	-
213084	2765	6	10.63%	0.6093 85	6	10.34%	0.610 068	Cdk13
12412	1274	6	14.21%	1.3225 67	8	18.92%	1.765 398	Cbx1
239552	1838	6	15.45%	0.9167 3	-	-	-	Apol8
17444	2919	6	8.05%	0.5772 35	2	3.36%	0.192 627	Grap2
14422	4086	6	6.07%	0.4123 71	8	7.42%	0.550 445	B4galnt2
433804	2827	6	8.77%	0.5960 2	4	3.64%	0.397 792	Gm1315 4
223864	3825	6	7.69%	0.4405 1	2	2.56%	0.147 001	Rapgef3
17896	883	6	27.97%	1.9082 1	6	30.80%	1.910 349	Myl4
16988	418	6	38.04%	4.0309 8	11	60.05%	7.398 412	Lst1
gi 149258827 ref X M_001476826.1	679	6	19%	2.4815 17	7	24.45%	2.898 347	-
104910	1609	6	14.11%	1.0472 03	4	12.18%	0.698 918	Slc25a47
gi 149275192 ref X M_911832.3	492	6	23.58%	3.4246 95	2	15.24%	1.142 844	-
170748	954	6	27.88%	1.7661 95	5	20.65%	1.473 478	BC0176 12

16431	1632	6	17.71%	1.0324 45	-	-	-	Itm2a
329831	1348	6	21.81%	1.2499 63	2	7.27%	0.417 121	Fam166b
1E+08	712	6	32.16%	2.3665 02	2	13.76%	0.789 718	Gm4358
216456	2460	6	11.83%	0.6849 39	8	14.59%	0.914 275	Gls2
26432	3719	6	6.64%	0.4530 65	11	12.26%	0.831 55	Plod2
380686	1569	6	16.95%	1.0739	3	9.37%	0.537 552	Cnrip1
17540	5958	6	4.93%	0.2828 05	18	12.29%	0.849 365	Mrvi1
320587	3471	6	4.41%	0.4854 36	2	2.62%	0.161 993	Tmem88 b
78833	2412	6	10.16%	0.6985 7	4	8.13%	0.466 235	Gins3
56525	3521	6	8.35%	0.4785 43	8	11.13%	0.638 772	Zfp235
20201	392	6	50.77%	4.2983 41	7	57.14%	5.020 351	S100a8
70316	800	6	23.13%	2.1061 87	6	16.75%	2.108 547	Ndufab1
193043	1838	6	14.36%	0.9167 3	1	2.67%	0.152 96	Zfp3
110257	587	6	14.82%	2.8704 43	8	12.78%	3.831 546	Hba-a2
407788	1900	6	15.16%	0.8868 16	3	6.21%	0.443 905	BC0511 42
72273	575	6	44.17%	2.9303 47	8	44.52%	3.911 508	2210404 O07Rik
17749	619	6	30.53%	2.7220 51	6	15.83%	2.725 102	Polr2k
56795	1048	6	27.58%	1.6077 77	4	11.64%	1.073 052	Arl10
107889	2879	6	8.96%	0.5852 55	3	5.11%	0.292 956	Gem2
64706	7824	6	3.76%	0.2153 57	4	2.51%	0.143 732	Scube1
gi 256355212 ref NR_015543.1	3152	6	6.19%	0.5345 65	8	10.25%	0.713 552	-
239706	1347	6	21.83%	1.2508 91	6	20.64%	1.252 292	Mettl22

gi 94409541 ref X M_908887.2	431	6	35.03%	3.9093 96	1	11.37%	0.652 296	-
11419	3800	6	7.74%	0.4434 08	2	2.58%	0.147 968	Accn2
240334	2017	6	14.58%	0.8353 74	3	7.29%	0.418 155	Pcyox11
218165	2816	6	9.94%	0.5983 49	9	15.02%	0.898 529	Ofcc1
12830	6503	6	4.52%	0.2591 03	3	2.26%	0.129 697	Col4a5
68972	1258	6	13.04%	1.3393 88	3	11.69%	0.670 444	Tatdn3
23966	10633	6	2.76%	0.1584 64	5	2.30%	0.132 201	Tenm4
1E+08	748	6	10.96%	2.2526 07	4	16.84%	1.503 421	Dynlt1a
54326	3837	6	7.66%	0.4391 32	13	13.86%	0.952 519	Elov12
13038	1482	6	17.48%	1.1369 43	6	18.02%	1.138 217	Ctsk
gi 133892640 ref N M_007558.2	1917	6	13.77%	0.8789 51	2	5.11%	0.293 312	-
22601	4200	6	5.52%	0.4011 79	3	3.50%	0.200 814	Yap1
107747	3098	6	8.39%	0.5438 83	11	15.98%	0.998 236	Aldh11l
103729	1500	6	16.67%	1.1233	6	13.47%	1.124 559	AI45035 3
gi 26986582 ref N M_172274.1	5407	6	5.44%	0.3116 24	6	5.44%	0.311 973	-
gi 118131214 ref N M_026279.2	1453	5	14.11%	0.9663 63	2	6.74%	0.386 978	-
gi 149260594 ref X R_031876.1	3069	5	7.98%	0.4575 19	3	4.79%	0.274 819	-
11668	2032	5	8.81%	0.6910 06	2	4.82%	0.276 712	Aldh1a1
107885	768	5	16.54%	1.8282 88	11	25%	4.026 74	Mthfs
gi 149267001 ref X M_905288.2	1751	5	13.93%	0.8018 99	1	2.80%	0.160 559	-
228003	2538	5	7.84%	0.5532 41	5	4.02%	0.553 861	Kbtbd10
gi 110815827 ref N M_058214.2	3651	5	6.71%	0.3845 86	10	11.48%	0.770 035	-

gi 149241413 ref X M_001480453.1	429	5	11.42%	3.2730 18	1	11.42%	0.655 337	-
1E+08	2322	5	10.55%	0.6047 05	3	4.44%	0.363 23	Gm1628 7
104871	2076	5	11.80%	0.6763 61	3	7.08%	0.406 271	Spata7
11957	797	5	16.81%	1.7617 63	13	26.47%	4.585 716	Atp5j
72535	2302	5	10.64%	0.6099 59	4	8.51%	0.488 514	Aldh1b1
666779	974	5	15.20%	1.4416 07	2	10.06%	0.577 289	Gm8284
71599	3885	5	6.31%	0.3614 22	2	2.52%	0.144 731	Semp8
12822	5642	5	4.34%	0.2488 7	40	27.77%	1.993 192	Col18a1
330503	2955	5	8.29%	0.4751 69	6	8.36%	0.570 842	Gm5113
380785	2728	5	7.92%	0.5147 09	1	1.80%	0.103 057	Begain
80880	2634	5	9.30%	0.5330 77	9	15.83%	0.960 614	Kank3
1E+08	1302	5	6.07%	1.0784 37	4	5.68%	0.863 716	Gm3593
1E+08	797	5	27.85%	1.7617 63	3	6.78%	1.058 242	Gm2270
106931	3456	5	7.09%	0.4062 86	2	2.84%	0.162 697	Kctd1
72148	2477	5	9.89%	0.5668 65	-	-	-	2610019 F03Rik
668604	423	5	34.52%	3.3194 44	3	28.37%	1.993 898	1700016 P03Rik
381058	2666	5	8.14%	0.5266 78	3	4.16%	0.316 361	Unc93a
257635	1223	5	20.03%	1.1480 99	3	12.02%	0.689 631	Sdsl
232232	2494	5	8.90%	0.5630 01	8	14.03%	0.901 811	Hdac11
667373	2296	5	10.67%	0.6115 53	2	4.27%	0.244 895	Gm1444 6
gi 149260536 ref X M_904559.3	1721	5	9.53%	0.8158 77	4	11.39%	0.653 433	-
68240	655	5	31.45%	2.1437 02	11	37.25%	4.721 429	Rpa3

69576	1267	5	5.84%	1.1082 28	4	9.87%	0.887 576	2310010 M20Rik
629303	1875	5	13.07%	0.7488 67	4	10.45%	0.599 765	Gm1143 5
74776	1225	5	12.41%	1.1462 24	7	11.76%	1.606 512	Ppa2
574418	2570	5	7.04%	0.5463 52	5	9.53%	0.546 964	Serinc4
gi 142375548 ref NM_177282.4	4853	5	5.05%	0.2893 31	5	5.05%	0.289 656	-
79565	2831	5	8.12%	0.4959 82	5	8.65%	0.496 538	Wbscr27
68797	1545	5	13.53%	0.9088 19	5	11.20%	0.909 837	Pdgfrl
407812	3909	5	5.04%	0.3592 03	2	2.51%	0.143 842	Zfp941
17537	1781	5	8.53%	0.7883 91	10	19.09%	1.578 549	Meis3
11567	3033	5	5.44%	0.4629 49	6	8.51%	0.556 162	Avil
269870	4914	5	4.99%	0.2857 4	2	1.02%	0.114 424	Zfp446
15213	2215	5	11.06%	0.6339 16	1	2.21%	0.126 925	Hey1
71740	3509	5	6.98%	0.4001 5	3	4.19%	0.240 359	Pvr14
637515	4159	5	4.71%	0.3376 11	6	5.89%	0.405 587	Nlrp1b
26878	4578	5	4.37%	0.3067 11	2	2.14%	0.122 822	B3galt2
232670	1959	5	12.51%	0.7167 56	-	-	-	Tspan33
21947	1250	5	19.28%	1.1233	-	-	-	Cd40lg
225861	1715	5	14.29%	0.8187 32	8	20.29%	1.311 439	Snx32
67974	4017	5	4.88%	0.3495 46	4	3.73%	0.279 95	Ccny
gi 149272185 ref XM_001473042.1	1570	5	11.72%	0.8943 47	-	-	-	-
225341	1688	5	14.51%	0.8318 27	5	12.03%	0.832 76	Lims2
239759	3811	5	6.43%	0.3684 4	10	11.68%	0.737 706	Liph

20312	3144	5	7.79%	0.4466 05	1	1.56%	0.089 421	Cx3cl1
56711	4635	5	4.96%	0.3029 4	1	1.06%	0.060 656	Plag1
gi 94364334 reflX M_001003209.1	6284	5	3.52%	0.2234 44	5	2.66%	0.223 695	-
269589	1940	5	10.10%	0.7237 76	3	7.58%	0.434 752	Syt11
gi 158533994 reflN M_001110101.1	884	5	22.40%	1.5883 76	5	19.34%	1.590 156	-
66501	1408	5	14.91%	0.9972 48	6	17.19%	1.198 038	1700029 H14Rik
73422	2682	5	6.11%	0.5235 36	1	1.83%	0.104 825	Prox2
1E+08	1736	5	14.11%	0.8088 28	2	5.65%	0.323 894	Gm3612
12305	3814	5	6.42%	0.3681 5	1	1.28%	0.073 713	Ddr1
791260	1354	5	14.70%	1.0370 2	7	19.79%	1.453 455	Tomt
80797	3654	5	1.64%	0.3842 71	10	1.86%	0.769 402	Clca2
667106	1284	5	16.51%	1.0935 55	4	13.47%	0.875 824	Gm1362 0
241556	3773	5	6.49%	0.3721 51	6	6.20%	0.447 081	Tspan18
269994	3924	5	2.70%	0.3578 3	4	1.48%	0.286 585	Gsg11
101320	2116	5	9.59%	0.6635 75	1	2.32%	0.132 864	Dyrk4
1E+08	3237	5	7.57%	0.4337 73	1	1.51%	0.086 852	Gm4650
216227	4452	5	4.49%	0.3153 92	5	2.49%	0.315 745	Slc17a8
320965	4677	5	5.24%	0.3002 19	1	1.05%	0.060 111	4831440 E17Rik
77929	5195	5	2.89%	0.2702 84	2	1.89%	0.108 235	Yipf6
67067	469	5	17.70%	2.9938 7	3	17.48%	1.798 335	Romo1
12686	1879	5	10.75%	0.7472 72	3	7.82%	0.448 866	Elovl3
12827	6426	5	3.81%	0.2185 07	10	7.63%	0.437 503	Col4a2

gi 149259301 ref XR_033749.1	1725	5	14.20%	0.8139 85	-	-	-	-	-
29858	1239	5	19.77%	1.1332 73	9	31.48%	2.042 177	Pmm1	
195733	3487	5	7.03%	0.4026 74	5	6.05%	0.403 125	Grh11	
626055	1547	5	6.79%	0.9076 44	8	10.08%	1.453 857	Gm1564 5	
66079	1059	5	22.47%	1.3258 97	11	31.26%	2.920 242	Tmem42	
gi 142365660 ref NM_026125.2	1315	5	17.87%	1.0677 76	9	30.27%	1.924 15	-	
14729	2189	5	10.32%	0.6414 46	4	8.95%	0.513 732	Gp5	
72720	3682	5	5.32%	0.3813 48	3	3.99%	0.229 065	Zfp248	
72309	1744	5	11.35%	0.8051 17	6	13.36%	0.967 224	Tmem15 8	
68039	701	5	34.24%	2.0030 31	2	13.98%	0.802 11	Nmb	
18823	2561	5	9.57%	0.5482 72	5	7.81%	0.548 886	Plp1	
gi 149256086 ref XM_001475879.1	3034	5	8.08%	0.4627 97	1	1.62%	0.092 663	-	
245902	3525	5	5.82%	0.3983 33	4	5.56%	0.319 024	Ccdc15	
234311	5989	5	4.09%	0.2344 51	17	12.44%	0.798 025	Ddx60	
105651	1852	5	13.23%	0.7581 67	3	4.16%	0.455 41	Ppp1r3e	
15586	2179	5	11.24%	0.6443 9	5	8.99%	0.645 112	Hyal1	
76187	3139	5	7.81%	0.4473 16	14	15.67%	1.253 888	Adhfe1	
78294	821	5	13.89%	1.7102 62	6	15.35%	2.054 614	Rps27a	
217887	1915	5	12.79%	0.7332 24	7	15.40%	1.027 665	BC0226 87	
15571	5027	5	4.87%	0.2793 17	3	2.92%	0.167 778	Elavl3	
271424	2305	5	8.94%	0.6091 65	5	10.63%	0.609 847	Ip6k3	
233186	2465	5	7.99%	0.5696 25	2	3.98%	0.228 105	Siglec5	

21752	3426	5	6.86%	0.4098 44	1	1.43%	0.082 061	Tert
76074	2459	5	8.99%	0.5710 15	4	7.97%	0.457 324	Gbp8
gi 149254555 ref X M_132325.9	14537	5	1.09%	0.0965 9	-	-	-	-
14788	2676	5	8.82%	0.5247 1	1	1.83%	0.105 06	Gpr162
667315	2915	5	3.60%	0.4816 89	5	1.72%	0.482 229	Gm8571
69810	784	5	31.25%	1.7909 76	2	9.18%	0.717 193	Clec4b1
gi 149249793 ref X M_001472247.1	1076	5	18.87%	1.3049 49	3	13.66%	0.783 847	-
232984	1867	5	13.12%	0.7520 75	2	5.25%	0.301 167	B3gnt8
545725	1376	5	8.94%	1.0204 4	-	-	-	Mterf
gi 149249670 ref X M_001480448.1	1293	5	15.47%	1.0859 43	4	7.58%	0.869 728	-
gi 149259046 ref X M_001478153.1	1705	5	3.46%	0.8235 34	5	6.74%	0.824 456	-
242653	4236	5	4.82%	0.3314 74	4	4.63%	0.265 477	Cldn19
320456	2152	5	9.99%	0.6524 74	8	15.43%	1.045 129	B330016 D10Rik
76223	3719	5	5.43%	0.3775 54	2	2.64%	0.151 191	Agbl3
272158	2897	5	7.25%	0.4846 82	1	1.69%	0.097 045	Poln
12859	584	5	10.62%	2.4043 23	11	15.24%	5.295 439	Cox5b
73254	4682	5	5.23%	0.2998 99	1	1.05%	0.060 047	Ccdc18
66276	615	5	14.80%	2.2831 3	2	8.62%	0.914 275	1810009 A15Rik
66405	799	5	26.66%	1.7573 53	7	33.67%	2.463 051	Mcts2
gi 149250292 ref X M_979437.2	3215	5	3.64%	0.4367 42	4	6.10%	0.349 785	-
213980	3267	5	6.49%	0.4297 9	4	6%	0.344 218	Fbxw10
gi 149363670 ref N M_001033157.3	2431	5	10.08%	0.5775 91	2	4.03%	0.231 295	-

69698	2698	5	7.56%	0.5204 32	4	7.26%	0.416 812	Slc52a3
19153	5260	5	4.64%	0.2669 44	3	2.79%	0.160 346	Prx
327957	1055	5	23.22%	1.3309 24	2	9.29%	0.532 966	A430084 P05Rik
71835	3657	5	3.50%	0.3839 55	3	3.17%	0.230 631	Lanc12
629750	683	5	35.87%	2.0558 2	2	14.35%	0.823 249	Gm1151 7
66705	1236	5	12.86%	1.1360 23	4	14.08%	0.909 837	Dnase112
264134	4162	5	2.76%	0.3373 68	10	5.07%	0.675 492	Ttc26
104383	2035	5	12.04%	0.6899 88	3	7.22%	0.414 457	Rcor2
26875	20099	5	0.55%	0.0698 6	6	0.48%	0.083 926	Pclo
71876	2467	5	8.59%	0.5691 63	-	-	-	Mlf1ip
70420	2184	5	10.21%	0.6429 14	3	6.73%	0.386 181	2610034 B18Rik
15466	2789	5	8.78%	0.5034 51	-	-	-	Hrh2
74525	4225	5	5.80%	0.3323 37	6	6.75%	0.399 252	8430419 L09Rik
319430	3522	5	5.57%	0.3986 73	15	15.42%	1.197 358	Gpr77
105734	4851	5	3.50%	0.2894 51	7	7.07%	0.405 685	Tigd5
1E+08	696	5	8.48%	2.0174 21	5	12.07%	2.019 681	Gm1637 8
240873	2064	5	11.43%	0.6802 93	3	7.12%	0.408 633	Tnfsf18
668489	1288	5	14.52%	1.0901 59	1	3.80%	0.218 276	Gm9199
14566	1805	5	12.58%	0.7779 08	5	11.30%	0.778 78	Gdf9
16669	1509	5	13.32%	0.9305	1	3.25%	0.186 309	Krt19
gi 149253207 ref X M_001477942.1	3393	5	3.18%	0.4138 3	3	2.89%	0.248 576	-
69837	908	5	21.15%	1.5463 93	3	13%	0.928 876	Pcgf1

14714	532	5	37.22%	2.6393 32	4	30.83%	2.113 832	Gnrh1
26356	2813	5	6.15%	0.4991 56	3	3.48%	0.299 829	Ing1
114564	2719	5	7.21%	0.5164 12	4	3.97%	0.413 593	Csprs
18028	8772	5	2.79%	0.1600 69	10	5.59%	0.320 497	Nfib
634650	2723	5	9%	0.5156 54	2	3.60%	0.206 493	Gbp11
69159	1227	5	14.43%	1.1443 56	9	31.13%	2.062 149	Rheb11
20708	1859	5	13.18%	0.7553 12	8	19.63%	1.209 853	Serpinb6 b
13051	3729	5	2.95%	0.3765 42	6	4.83%	0.452 357	Cx3cr1
676882	1816	5	13.11%	0.7731 96	2	5.40%	0.309 625	Gm9693
21418	3114	5	6.71%	0.4509 07	4	6.29%	0.361 13	Tfap2a
58218	994	5	24.65%	1.4126	10	29.18%	2.828 367	Trem3
gi 146198557 ref N M_201373.3	3601	5	6.44%	0.3899 26	1	1.36%	0.078 073	-
gi 283945597 ref N M_030100.3	1186	5	11.47%	1.1839 16	1	4.13%	0.237 049	-
1E+08	3359	5	3.30%	0.4180 19	1	1.46%	0.083 697	Gm2025
68082	1463	5	11%	0.9597 57	2	6.70%	0.384 333	Dusp19
331487	1112	5	17.72%	1.2627 02	4	17.63%	1.011 294	Uprt
1E+08	112	5	66.96%	12.536 83	5	85.71%	12.55 088	Snora31
gi 149254377 ref X R_033624.1	5374	5	2.29%	0.2612 81	1	0.91%	0.052 315	-
70082	1200	5	20.17%	1.1701 04	6	24.50%	1.405 698	Lysmd2
22354	4929	5	4.44%	0.2848 7	2	1.99%	0.114 076	Vipr1
54200	1153	5	21.25%	1.2178 01	4	17%	0.975 333	Sult2b1
54403	7492	5	3.27%	0.1874 17	5	3.27%	0.187 627	Slc4a4

54371	6256	5	3.92%	0.2244 45	-	-	-	Chst2
66268	692	5	32.08%	2.0290 82	5	26.88%	2.031 356	Pigyl
gi 189458843 ref N M_178078.1	8379	5	0.86%	0.1675 77	2	1.17%	0.067 106	-
238875	2055	5	5.84%	0.6832 72	2	4.77%	0.273 615	Gapt
226849	3082	5	3.80%	0.4555 89	4	4.61%	0.364 88	Ppp2r5a
gi 113195691 ref N M_015802.2	6122	5	3.40%	0.2293 57	8	5.15%	0.367 383	-
107260	1677	5	7.10%	0.8372 84	8	6.32%	1.341 155	Otub1
12292	6251	5	3.57%	0.2246 24	5	2.42%	0.224 876	Cacna1s
14812	7515	5	0.89%	0.1868 43	5	0.76%	0.187 052	Grin2b
71836	2045	5	11.34%	0.6866 14	2	4.79%	0.274 953	Shcbp11
gi 149253659 ref X R_031192.1	3824	5	2.14%	0.3671 87	2	2.09%	0.147 04	-
14115	4477	5	4.60%	0.3136 31	-	-	-	Fbln2
67122	2590	5	9.46%	0.5421 33	4	7.57%	0.434 193	Nrarp
319352	2246	5	10.91%	0.6251 67	1	2.18%	0.125 173	Pianp
56047	2135	5	11.48%	0.6576 7	1	2.30%	0.131 681	Msln
18405	768	5	28.91%	1.8282 88	2	12.76%	0.732 135	Orm1
234740	2887	5	8.28%	0.4863 61	2	3.39%	0.194 762	Tmem23 1
239559	2145	5	10.30%	0.6546 04	-	-	-	A4galt
14675	3383	5	5.79%	0.4150 53	-	-	-	Gna14
1E+08	612	5	18.14%	2.2943 22	4	8.01%	1.837 514	4930522 L14Rik
70603	1736	5	11.29%	0.8088 28	4	11.29%	0.647 787	Mutyh
68920	785	5	28.28%	1.7886 94	2	6.37%	0.716 279	1110065 P20Rik

234396	2150	5	8.28%	0.6530 81	4	9.12%	0.523 051	Ankle1
319734	5803	5	4.22%	0.2419 65	1	0.84%	0.048 447	Cacna2d 4
1E+08	330	5	29.09%	4.2549 24	3	32.42%	2.555 815	Gm1339 1
14462	3257	5	7.52%	0.4311 1	1	1.50%	0.086 319	Gata3
gi 149252252 ref X M_001473370.1	708	5	11.58%	1.9832 27	9	12.85%	3.573 809	-
57434	3230	5	6.72%	0.4347 14	6	9.10%	0.522 241	Xrcc2
74238	1577	5	10.97%	0.8903 77	6	18.64%	1.069 65	Mterfd3
76954	4255	5	5.76%	0.3299 94	2	2.30%	0.132 146	St5
18196	2140	5	11.45%	0.6561 33	6	12.57%	0.788 242	Nsg1
353208	1779	5	12.42%	0.7892 78	1	2.75%	0.158 032	Zfp931
23955	2714	5	9.03%	0.5173 64	8	12.71%	0.828 709	Nek4
52589	3728	5	6.57%	0.3766 43	-	-	-	Ncald
319757	3977	5	6.16%	0.3530 61	6	7.39%	0.424 148	Smo
1E+08	2346	5	2.34%	0.5985 19	4	2.56%	0.479 352	Vmn2r5 5
66541	955	5	23.77%	1.4702 88	1	5.13%	0.294 387	Immp11
237611	1790	5	13.52%	0.7844 27	2	5.47%	0.314 123	Stac3
57757	2068	5	11.85%	0.6789 77	-	-	-	Pglyrp2
gi 149247729 ref X R_032320.1	1115	5	18.03%	1.2593 05	4	13.45%	1.008 573	-
66570	1218	5	16.17%	1.1528 12	7	24.55%	1.615 745	Cenpm
gi 149257472 ref X M_001479969.1	2113	5	11.17%	0.6645 17	13	24.09%	1.729 681	-
215814	1166	5	20.24%	1.2042 24	5	13.38%	1.205 573	Ccdc28a
381085	3505	5	4.22%	0.4006 06	4	4.51%	0.320 844	Tbc1d22 b

319801	3653	5	6.65%	0.3843 76	4	5.37%	0.307 845	9630033 F20Rik
15199	1086	5	18.05%	1.2929 33	12	36.46%	3.106 516	Hebp1
68099	1349	5	14.53%	1.0408 63	9	24.24%	1.875 654	Fam92a
436230	3243	5	7.55%	0.4329 71	4	6.04%	0.346 765	BC0653 97
56222	1258	5	16.30%	1.1161 56	2	7.79%	0.446 963	Cited4
18132	6604	5	3.71%	0.2126 17	-	-	-	Notch4
30944	5367	5	4.56%	0.2616 22	2	1.83%	0.104 766	Zfp354c
114663	1386	5	17.68%	1.0130 77	4	14.14%	0.811 37	Impa2
74030	4668	5	3.73%	0.3007 98	3	2.76%	0.180 681	Rin2
66174	793	5	25.22%	1.7706 49	8	45.02%	2.836 213	Nudt14
108153	5424	5	4.52%	0.2588 73	2	1.81%	0.103 665	Adamts7
17977	7346	5	2.55%	0.1911 41	6	3.34%	0.229 627	Ncoa1
gi 149274200 ref X M_908868.3	530	5	24.34%	2.6492 92	2	9.81%	1.060 904	-
669675	670	5	29.25%	2.0957 09	2	7.31%	0.839 223	Gm9465
1E+08	2053	5	5.41%	0.6839 38	4	5.41%	0.547 764	Gm2173
71276	3437	5	7.13%	0.4085 32	7	9.57%	0.572 586	Ccdc57
68346	1369	5	13.88%	1.0256 57	4	14.32%	0.821 445	Sirt5
17967	6993	5	2.80%	0.2007 9	3	1.40%	0.120 609	Ncam1
18670	4083	5	6%	0.3438 95	4	4.80%	0.275 425	Abcb4
64011	1293	5	14.46%	1.0859 43	-	-	-	Nrgn
68693	5726	5	2.32%	0.2452 19	2	0.93%	0.098 198	Hrmpul 2
209334	3302	5	7.42%	0.4252 35	3	4.45%	0.255 427	Gen1

233079	2292	5	10.69%	0.6126 2	2	4.28%	0.245 323	Ffar2
gi 94378250 ref X M_976380.1	2984	5	4.36%	0.4705 51	2	3.28%	0.188 431	-
14187	1304	5	12.88%	1.0767 83	2	7.52%	0.431 196	Akr1b8
gi 149257512 ref X M_001478911.1	633	5	15.80%	2.2182 07	2	7.74%	0.888 277	-
237387	4311	5	3.39%	0.3257 07	12	7.47%	0.782 574	Lrrc3
68235	1710	5	12.57%	0.8211 26	9	23.80%	1.479 682	2410066 E13Rik
383425	922	5	6.83%	1.5229 12	1	5.31%	0.304 924	Gm5243
19038	1286	5	15.24%	1.0918 54	1	3.81%	0.218 616	Ppic
664883	7000	5	2.80%	0.2005 89	3	2.10%	0.120 488	Noval
74762	7566	5	2.59%	0.1855 84	6	3.45%	0.222 95	Mdga1
67030	1775	5	6.87%	0.7910 56	4	9.07%	0.633 554	Fanc1
70036	1036	5	20.75%	1.3553 33	7	28.76%	1.899 592	2700023 E23Rik
1E+08	2106	5	6.41%	0.6667 26	5	9.50%	0.667 473	Gm2592
380728	3784	5	6.32%	0.3710 69	8	10.36%	0.594 376	Kcnh4
237988	3700	5	6.62%	0.3794 93	3	3.97%	0.227 951	Cdr2l
635593	1656	5	5.92%	0.8479 01	1	2.96%	0.169 77	Gm7161
226101	7094	5	2.83%	0.1979 31	7	2.73%	0.277 414	Myof
19337	973	5	24.36%	1.4430 88	-	-	-	Rab33a
80794	1677	5	12.46%	0.8372 84	2	4.77%	0.335 289	Cblc
gi 149255993 ref X M_001475823.1	4825	5	2.96%	0.2910 1	3	2.86%	0.174 802	-
234582	2309	5	10.61%	0.6081 09	2	4.24%	0.243 516	Ccdc102 a
14063	2773	5	8.84%	0.5063 56	-	-	-	F2r1

66101	2197	5	8.92%	0.6391 1	8	13.79%	1.023 722	Ppih
104368	129	5	76.74%	10.884 69	8	93.80%	17.43 502	Snora70
236690	3635	5	6.74%	0.3862 79	3	2.75%	0.232 027	Nyx
329735	5428	5	2.80%	0.2586 82	12	4.83%	0.621 532	4933431 E20Rik
381802	1802	5	13.60%	0.7792 04	5	12.82%	0.780 077	Tsen2
71733	3255	5	7.53%	0.4313 75	4	6.02%	0.345 487	Susd2
56386	5808	5	1.43%	0.2417 57	6	1.41%	0.290 434	B4galt6
15364	4226	5	3.69%	0.3322 59	9	3.31%	0.598 736	Hmga2
352968	2393	5	10.24%	0.5867 63	2	4.10%	0.234 968	D830050 J10Rik
12704	6898	5	3.55%	0.2035 55	3	2.13%	0.122 27	Cit
433466	1383	5	17.72%	1.0152 75	6	12.08%	1.219 695	Jmjd7
332993	603	5	25.87%	2.3285 65	4	30.02%	1.864 94	Gm5129
66634	3203	5	7.65%	0.4383 78	4	6.12%	0.351 095	Mcm8
623223	1105	5	18.73%	1.2707 01	1	4.43%	0.254 425	Gm6410
327954	13704	5	1.79%	0.1024 61	11	3.22%	0.225 667	Dnahc2
57765	2552	5	9.60%	0.5502 06	4	5.80%	0.440 658	Tbx21
gi 256355045 ref NR_015570.1	374	5	26.47%	3.7543 44	2	13.37%	1.503 421	-
53857	1432	5	14.46%	0.9805 34	-	-	-	Tuba8
272551	1061	5	18.47%	1.3233 98	6	20.17%	1.589 857	Gins2
435811	1828	5	6.62%	0.7681 21	3	4.81%	0.461 389	Ldlrad2
15478	3933	5	6.23%	0.3570 11	1	1.25%	0.071 482	Hs3st3a1
76260	2295	5	10.68%	0.6118 19	4	8.54%	0.490 004	Ttc8

gi 149240918 ref XR_034160.1	860	5	6.05%	1.6327 03	-	-	-	-
gi 149264817 ref XM_001475251.1	4436	5	3.63%	0.3165 29	3	1.76%	0.190 131	-
243277	5163	5	4.75%	0.2719 59	-	-	-	Gpr133
239731	5848	5	4.19%	0.2401 03	4	3.35%	0.192 298	Rimbp3
70885	2410	5	8.38%	0.5826 24	3	4.85%	0.349 966	Ints10
16890	3221	5	1.71%	0.4359 28	1	1.52%	0.087 283	Lipe
231605	2900	5	5.76%	0.4841 81	3	5.07%	0.290 834	Galnt9
19921	761	5	6.96%	1.8451 05	4	6.57%	1.477 738	Rpl19
gi 149256792 ref XM_001476450.1	746	5	20.51%	1.8822 05	3	19.71%	1.130 588	-
243906	3491	5	7.02%	0.4022 13	2	2.81%	0.161 065	Zfp14
gi 146141156 ref NM_026940.3	1294	5	16.85%	1.0851 04	1	3.79%	0.217 264	-
225266	4018	5	5.15%	0.3494 59	3	2.94%	0.209 91	Klh14
14415	3231	5	7.58%	0.4345 79	-	-	-	Gad1
66061	661	5	30.26%	2.1242 43	6	44.48%	2.551 949	Tctex1d2
27389	1745	5	12.66%	0.8046 56	7	17.42%	1.127 781	Dusp13
102871	3738	5	6.55%	0.3756 35	5	6.55%	0.376 056	D330045 A20Rik
66643	3124	5	3.84%	0.4494 64	1	1.57%	0.089 993	Lix1
1E+08	2031	5	12.06%	0.6913 47	1	2.41%	0.138 424	Gm1611 9
76890	1499	5	7.87%	0.9367 08	2	4.20%	0.375 103	Memo1
11923	3376	5	7.26%	0.4159 14	-	-	-	Neurod4
72865	965	5	18.24%	1.4550 52	2	10.16%	0.582 673	Cxx1c
207209	2417	5	8.36%	0.5809 37	10	16.30%	1.163 176	Ccdc154

22402	5022	5	4.88%	0.2795 95	4	2.95%	0.223 926	Wisp1
gi 149268369 ref XR_035299.1	395	5	40.51%	3.5547 46	8	46.08%	5.693 968	-
gi 149254290 ref XM_001475570.1	1909	5	10.90%	0.7355 29	4	10.27%	0.589 083	-
70218	3345	5	7.06%	0.4197 68	1	1.46%	0.084 048	Kif18b
67196	1079	5	16.22%	1.3013 2	4	14.74%	1.042 223	Ube2t
228714	3748	5	3.84%	0.3746 33	3	2.80%	0.225 032	Csrp2bp
231125	3980	5	6.16%	0.3527 95	2	2.09%	0.141 276	Zfyve28
245670	2308	5	10.49%	0.6083 73	5	10.62%	0.609 055	Rragb
gi 149269453 ref XM_001480097.1	1696	5	3.71%	0.8279 04	2	5.78%	0.331 533	-
15013	1100	5	14.18%	1.2764 77	4	14.18%	1.022 326	H2-Q2
12005	3809	5	1.60%	0.3686 33	7	2.57%	0.516 665	Axin1
52882	5828	5	1.78%	0.2409 27	8	2.68%	0.385 916	Rgs7bp
18703	3849	5	5.22%	0.3648 02	5	6.37%	0.365 211	Pigr
545548	623	5	8.51%	2.2538 12	9	8.83%	4.061 408	Lce3a
227801	4352	5	3.54%	0.3226 39	2	1.93%	0.129 2	Dennd1a
gi 118130906 ref NM_133752.2	3828	5	5.20%	0.3668 04	2	2.04%	0.146 886	-
gi 149249684 ref XM_001480782.1	1155	5	15.06%	1.2156 92	4	16.97%	0.973 644	-