

## Supplemental Methods and Data

### Androgen receptor polyglutamine expansion drives age-dependent quality control defects and muscle dysfunction

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## **Supplemental Methods**

### **qPCR**

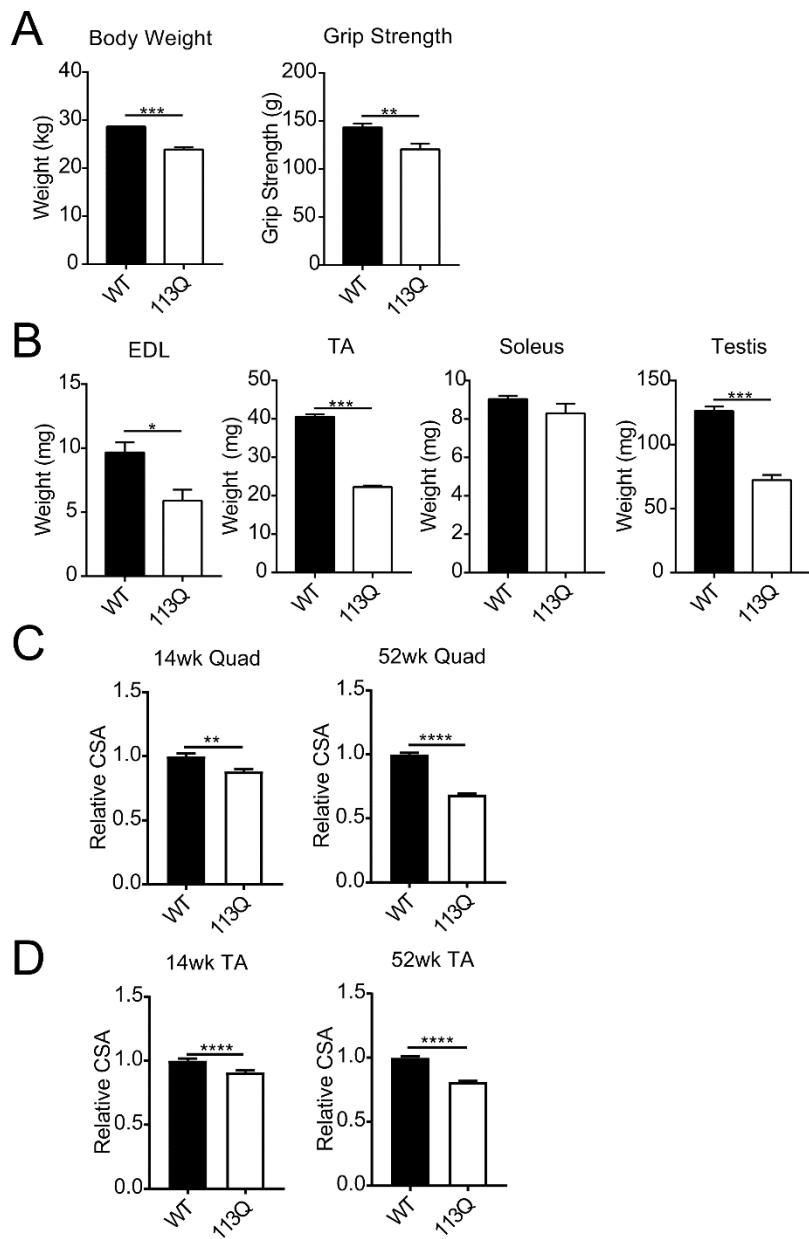
For *Drosophila* samples, total RNA was extracted from adult fly heads using TRIzol. Fifteen heads were used per sample. Extracted RNA was treated with TURBO DNase (Ambion) to eliminate contaminating DNA, and reverse transcription was carried out as indicated above. RNA levels were quantified using StepOnePlus Real-Time PCR System with Fast SYBR Green Master Mix (Applied Biosystems). rp49 was used as the internal control. Each round of qRT-PCR was conducted in technical triplicates. A total of three independent repeats was conducted.

### **Fly histology:**

For histological preparation (75, 76), wings and proboscises of adult flies were removed and bodies were fixed overnight in 2% glutaraldehyde/2% paraformaldehyde in Tris-buffered saline with 0.1% Triton X-100, rotating at 4°C. Fixed bodies were subsequently dehydrated by using a series of 30%, 50%, 75%, and 100% ethanol/propylene oxide. Dehydrated flies were then embedded in Poly/Bed812 (Polysciences) and sectioned at 5 µm and stained with toluidine blue. The posterior portion of the fly eye was imaged, which was previously shown to be most impacted by the expression of polyQ AR (1, 2).

## **Supplemental References**

1. Lloyd TE, and Taylor JP. Flightless flies: Drosophila models of neuromuscular disease. *Ann N Y Acad Sci.* 2010;1184:e1-20.
2. Pandey UB, Nie Z, Batlevi Y, McCray BA, Ritson GP, Nedelsky NB, et al. HDAC6 rescues neurodegeneration and provides an essential link between autophagy and the UPS. *Nature.* 2007;447(7146):859-63.



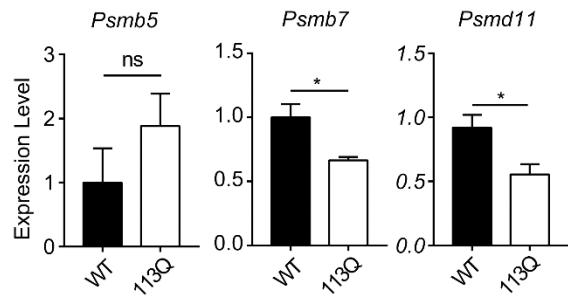
**Supplemental Figure 1. AR113Q mice display a robust phenotype at 52 wks.**

**A.** 52 wk AR113Q males show significant reduction in body weight (left, n=3/group) and grip strength (right, n=6/group). Data are mean  $\pm$  S.E.M. \*\*p<0.01, \*\*\*p<0.001 by t-test.

**B.** Weight of extensor digitorum longus (EDL), tibialis anterior (TA), soleus and testes in 52 wk AR113Q males and wild type littermates. Data are mean  $\pm$  S.E.M. \* $p<0.05$ , \*\* $p<0.01$ , \*\*\* $p<0.001$  by t-test.

**C.** Cross sectional area of the quadriceps muscle fibers at 14 (left) and 52 (right) weeks of age. n=3 mice per group, n $\geq$  3 images per mouse, n $\geq$ 150 fibers/image. Data are mean  $\pm$  S.E.M. \*\* $p<0.01$ , \*\*\*\* $p<.0001$  by t-test.

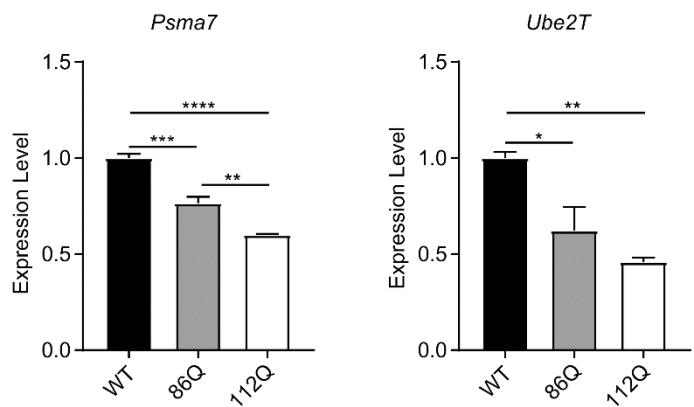
**D.** Cross sectional area of tibialis anterior muscle fibers at 14 (left) and 52 (right) weeks of age. n=3 mice per group, n $\geq$  3 images per mouse, n $\geq$ 150 fibers/image. Data are mean  $\pm$  S.E.M. \*\* $p<0.01$ , \*\*\*\* $p<.0001$  by t-test.



**Supplemental Figure 2. Proteasome gene expression in AR113Q LABC at 14 wk.**

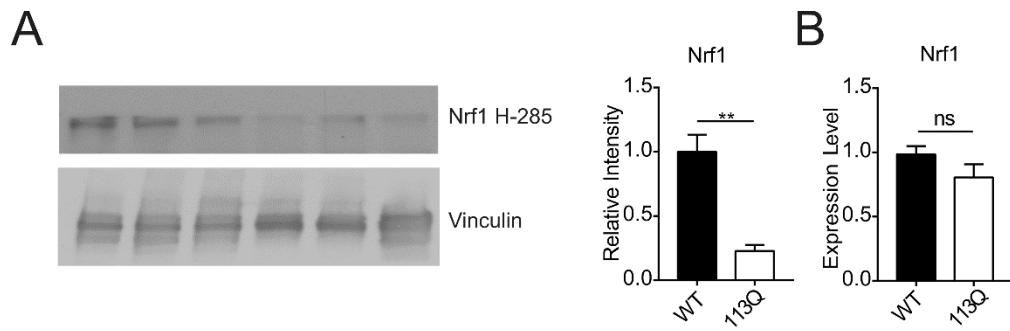
Relative expression of *Psmb5*, *Psmb7* and *Psmb11* was determined in LABC of wild type or AR113Q mice at 14 wk by qPCR. Data are mean  $\pm$  S.E.M. n=3 mice/genotype.

\*p<0.05 by t-test.



**Supplemental Figure 3: Gene expression changes are polyglutamine tract length-dependent.**

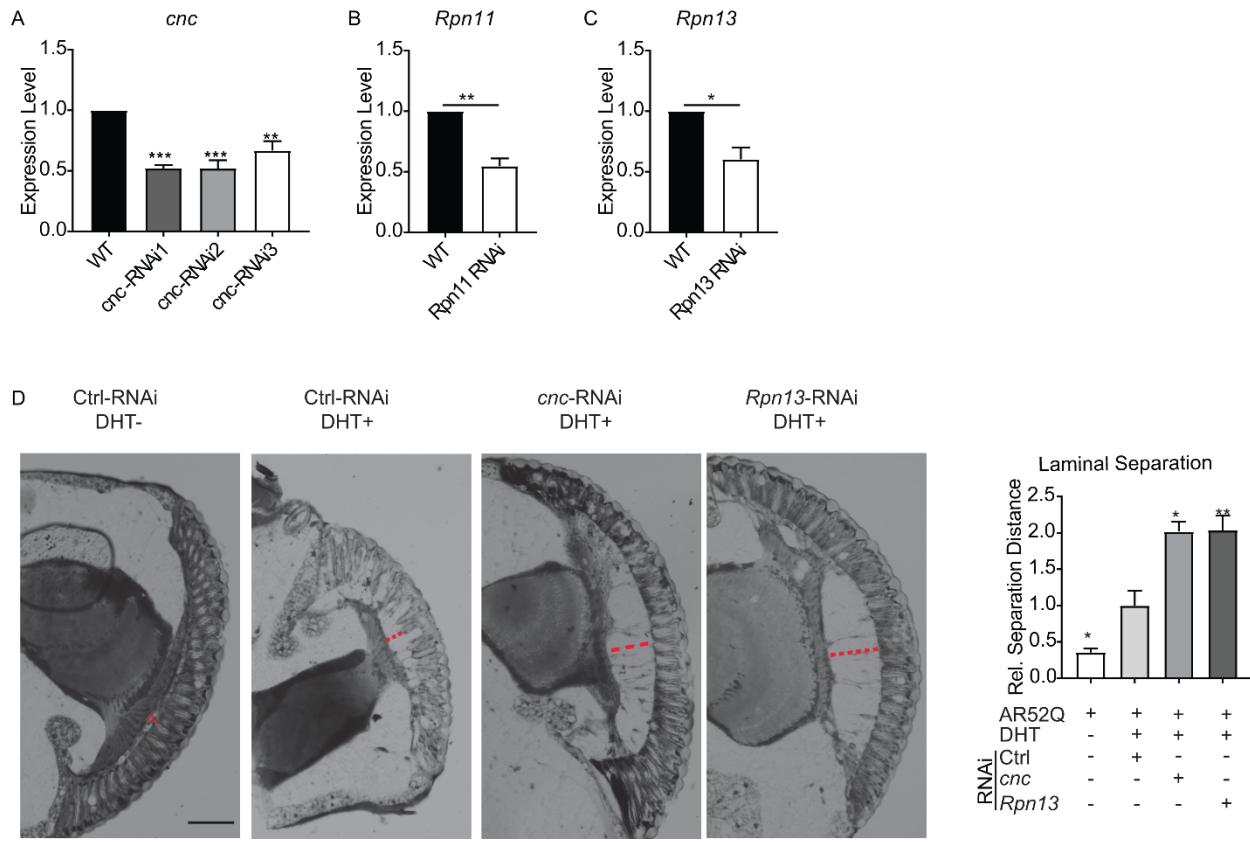
Relative expression of *Psma7* (left) and *Ube2T* (right) was measured by qPCR in the 26 week quadriceps of WT, 86Q and 112Q mice. Data are mean  $\pm$  S.E.M. n=3 mice/genotype. \*p<0.05, \*\*p<0.01, \*\*\*p<0.001, \*\*\*\*p<0.0001 by one-way ANOVA with Tukey's post-hoc test.



**Supplemental Figure 4. NRF1 is reduced in the 14 wk AR113Q LABC.**

**A.** 14 wk LABC from wild type or AR113Q males was probed by western blot for Nrf1 using the H-285 antibody. Quantified at right. Data are mean  $\pm$  S.E.M. n=3 mice/genotype. \*p<0.01 by t-test.

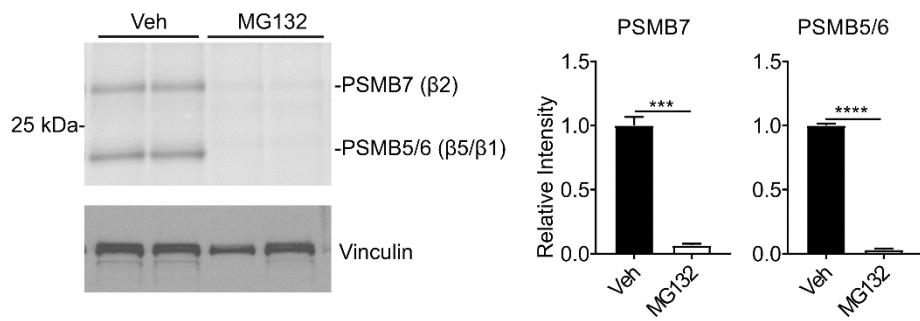
**B.** Relative expression of *NRF1* (*NFE2L1*) was determined in LABC of WT or AR113Q mice at 14 wk by qPCR. Data are mean  $\pm$  S.E.M. n=3 mice/genotype. Not significant (ns) by t-test.



### Supplemental Figure 5.

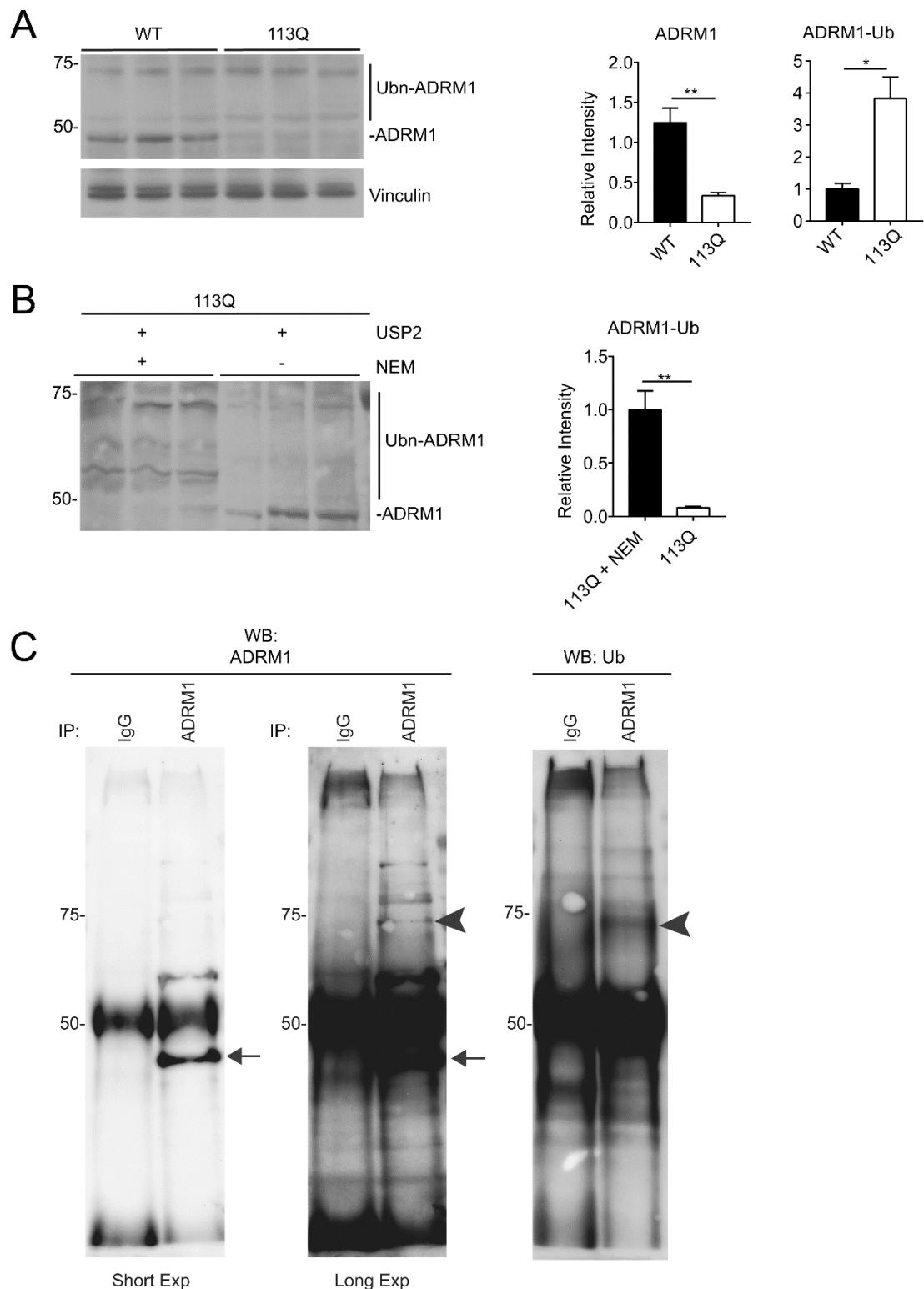
- A. Relative *cnc* expression in WT and *cnc* RNAi *Drosophila* lines was measured by qPCR. Data are mean  $\pm$  S.E.M. n=3 biological replicates/group. \*\*p<0.01, \*\*\*p<0.001 by one-way ANOVA with Tukey's post-hoc test.**
- B. Relative *Rpn11* expression in WT and *Rpn11* RNAi *Drosophila* lines was measured by qPCR. Data are mean  $\pm$  S.E.M. n=3 biological replicates/group. \*\*p<0.01 by t-test.**
- C. Relative *Rpn13* expression in WT and *Rpn13* RNAi *Drosophila* lines was measured by qPCR. Data are mean  $\pm$  S.E.M. n=3 biological replicates/group. \*p<0.05 by t-test.**

D. Left: Representative histological sections of the posterior portion of 7 day old fly eyes expressing AR52Q, driven by GMR-Gal4 in the presence or absence of the indicated RNAi transgene. Ctrl: parental line for the RNAi transgenes. Where noted, flies were reared in cornmeal media containing 5 mM DHT during development and as adults, until processed for imaging. Dotted lines in photos represent distance measured between lamina and underlying structure, quantified at right. Data are mean  $\pm$  S.E.M.  $n \geq 9$  flies per genotype, 3 images/fly (calculations used average for each biological replicate). Asterisks indicates significance compared to Ctrl-RNAi + DHT. \*  $<0.05$ , \*\* $p<0.005$  by one-way ANOVA with Tukey's post-hoc test. Scale bar = 50 $\mu$ M.



**Supplemental Figure 6. Signal from activity based probe is inhibited by MG132.**

14 wk quadriceps from wild type mice were lysed in HR buffer and incubated with a BODIPY-labeled activity based probe in the absence (Veh) or presence of 25 µM MG132. Co-incubation with MG132 significantly reduced the level of active proteasomes. Data was normalized to vinculin and quantified at right. Data are mean ± S.E.M. n=3 mice/group. \*\*\*p<0.001, \*\*\*\*p<0.0001 by t-test.



**Supplemental Figure 7. ADRM1 is ubiquitinated in AR113Q LABC**

**A.** Lysates of 14 wk LABC were probed by western blot for ADRM1. Vinculin controls for loading; quantified at right. Data are mean  $\pm$  S.E.M. n=3 mice/genotype. \*p<0.05, \*\*p<0.01 by t-test.

**B.** Lysates of 14 wk LABC were incubated with the catalytic domain of USP2 in the absence or presence of 10  $\mu$ M of the deubiquitinase inhibitor NEM, as indicated, and then analyzed by western blot. High molecular weight species were normalized to level of ADRM1 monomer. Quantified at right. n=3 mice/genotype. \*\*p<0.01 by t-test.

**C.** Lysates of AR113Q 52 wk gastrocnemius muscle were immunoprecipitated with either ADRM1 antibody or control IgG. Arrow indicates endogenous, unmodified ADRM1; arrowhead indicates endogenous high molecular weight ADRM1 species identified by western blot for ADRM1 or ubiquitin. Dense ~50 KDa band represents immunoglobulin heavy chain.

**Supplemental Table 1: Gene expression changes of AR 113Q vs WT LABC**

gene	NCBI Gene	log2(fold_change)	test_stat	p_value	q_value	Diff Exp
1700108F19Rik	<a href="#">73272</a>	inf	-nan	0.00005	0.000323529	YES
5430440P10Rik	<a href="#">71362</a>	inf	-nan	0.00005	0.000323529	YES
Abpb	<a href="#">233099</a>	inf	-nan	0.00005	0.000323529	YES
Barx1	<a href="#">12022</a>	inf	-nan	0.00005	0.000323529	YES
Cstl1	<a href="#">228756</a>	inf	-nan	0.00005	0.000323529	YES
1500016L03Rik	<a href="#">78365</a>	inf	-nan	0.00005	0.000323529	YES
Gucy2c	<a href="#">14917</a>	inf	-nan	0.00005	0.000323529	YES
Hoxc13	<a href="#">15422</a>	inf	-nan	0.00005	0.000323529	YES
Krt17	<a href="#">16667</a>	inf	-nan	0.00005	0.000323529	YES
Mup6	<a href="#">620807</a>	inf	-nan	0.00005	0.000323529	YES
Otx1	<a href="#">18423</a>	inf	-nan	0.00005	0.000323529	YES
Pax2	<a href="#">18504</a>	inf	-nan	0.00005	0.000323529	YES
Sct	<a href="#">20287</a>	inf	-nan	0.00005	0.000323529	YES
Zic2	<a href="#">22772</a>	inf	-nan	0.00005	0.000323529	YES
Zic5	<a href="#">65100</a>	inf	-nan	0.00005	0.000323529	YES
Ucma	<a href="#">68527</a>	7.13538	8.38452	0.00005	0.000323529	YES
Gata4	<a href="#">14463</a>	6.3789	5.09543	0.0135	0.0424795	YES
Bbox1	<a href="#">170442</a>	5.95651	8.63426	0.00005	0.000323529	YES
Gm12519	<a href="#">102637828</a>	5.92509	0.58426	0.00025	0.00138761	YES
Syt17	<a href="#">110058</a>	5.74309	5.97904	0.00005	0.000323529	YES
Arhgap36	<a href="#">75404</a>	5.70447	7.81252	0.00005	0.000323529	YES
Dmrt2	<a href="#">242620</a>	5.38481	3.86584	0.00725	0.0252978	YES
Gm17495	<a href="#">100126778</a>	5.05154	6.07759	0.00005	0.000323529	YES
Pax6	<a href="#">18508</a>	4.8516	1.17621	0.00465	0.0173781	YES
Pcsk2	<a href="#">18549</a>	4.72881	7.53846	0.00005	0.000323529	YES
Igfsf1	<a href="#">209268</a>	4.70447	11.0612	0.00005	0.000323529	YES
Pln	<a href="#">18821</a>	4.53153	5.72838	0.00005	0.000323529	YES
Bglap-rs1	<a href="#">12095</a>	4.46853	10.1512	0.00005	0.000323529	YES
En2	<a href="#">13799</a>	4.41324	5.80068	0.00005	0.000323529	YES
4933416E03Rik	<a href="#">71081</a>	4.36023	3.68002	0.00005	0.000323529	YES
Gm11681	<a href="#">100038732</a>	4.3554	1.42849	0.0012	0.00544762	YES
Crisp1	<a href="#">11571</a>	4.24819	3.01448	0.0084	0.0285321	YES
Shox2	<a href="#">20429</a>	4.22612	4.94634	0.00005	0.000323529	YES
Cldn2	<a href="#">12738</a>	4.19042	5.9021	0.00005	0.000323529	YES
Pip	<a href="#">18716</a>	4.13402	10.8448	0.00005	0.000323529	YES
Chia	<a href="#">81600</a>	4.12463	3.70808	0.00285	0.0114131	YES
Krt14	<a href="#">16664</a>	4.07882	2.97046	0.00865	0.0291359	YES
Rab9b	<a href="#">319642</a>	4.07267	4.86828	0.00005	0.000323529	YES
Bhlha15	<a href="#">17341</a>	4.01033	6.07116	0.00005	0.000323529	YES
Gm7714	<a href="#">665615</a>	4.00028	11.2303	0.00005	0.000323529	YES
Fam155a	<a href="#">270028</a>	3.90818	3.95134	0.0002	0.0011411	YES
A4gnt	<a href="#">333424</a>	3.8878	7.49003	0.00005	0.000323529	YES
Mia1	<a href="#">12587</a>	3.87604	6.32884	0.00005	0.000323529	YES
Gpx2	<a href="#">14776</a>	3.84412	2.90125	0.01165	0.0375907	YES
Pla2g4f	<a href="#">271844</a>	3.83224	2.78472	0.00575	0.0207687	YES

Gm14635	<a href="#">100043946</a>	3.83098	2.27596	0.00005	0.000323529	YES
RP23-302F9.1		3.82771	1.85572	0.012	0.0384753	YES
Cyp2b10	<a href="#">13088</a>	3.80564	5.71316	0.00005	0.000323529	YES
2310057J18Rik	<a href="#">67719</a>	3.78465	11.3296	0.00005	0.000323529	YES
Hpse2	<a href="#">545291</a>	3.7697	3.18162	0.00215	0.00894696	YES
Odam	<a href="#">69592</a>	3.72413	9.57367	0.00005	0.000323529	YES
Insl6	<a href="#">27356</a>	3.71825	4.76654	0.00035	0.00186438	YES
1810041L15Rik	<a href="#">72301</a>	3.6926	8.35299	0.00005	0.000323529	YES
Pigr	<a href="#">18703</a>	3.62866	5.11755	0.00005	0.000323529	YES
Serpinb1a	<a href="#">66222</a>	3.62382	12.6398	0.00005	0.000323529	YES
Derl3	<a href="#">70377</a>	3.60494	6.71632	0.00005	0.000323529	YES
Dmp1	<a href="#">13406</a>	3.59909	2.41529	0.00985	0.0326741	YES
Aqp5	<a href="#">11830</a>	3.59681	5.8354	0.00005	0.000323529	YES
Rnf182	<a href="#">328234</a>	3.59538	3.92295	0.00075	0.00362109	YES
Gm20703		3.58476	1.32835	0.01135	0.036766	YES
Agr2	<a href="#">23795</a>	3.55095	8.14022	0.00005	0.000323529	YES
Foxf2	<a href="#">14238</a>	3.52873	5.22162	0.00005	0.000323529	YES
5330417C22Rik	<a href="#">229722</a>	3.48136	4.8101	0.00005	0.000323529	YES
Folr1	<a href="#">14275</a>	3.45389	2.98847	0.00015	0.000880082	YES
Rab26	<a href="#">328778</a>	3.40201	3.07131	0.002	0.00841627	YES
B4galnt2	<a href="#">14422</a>	3.36777	6.60969	0.00005	0.000323529	YES
Gm14321	<a href="#">100048985</a>	3.35135	3.56063	0.00005	0.000323529	YES
Ddc	<a href="#">13195</a>	3.3486	6.85097	0.00005	0.000323529	YES
Ildr1	<a href="#">106347</a>	3.3368	3.46902	0.0001	0.000610637	YES
Ect2l	<a href="#">100045792</a>	3.33501	3.88053	0.00005	0.000323529	YES
P4ha3	<a href="#">320452</a>	3.30571	3.92765	0.00005	0.000323529	YES
Plbd1	<a href="#">66857</a>	3.30086	10.5239	0.00005	0.000323529	YES
Gprasp2	<a href="#">245607</a>	3.28094	5.93077	0.00005	0.000323529	YES
Mup4	<a href="#">17843</a>	3.2633	5.36137	0.00005	0.000323529	YES
Nipal4	<a href="#">214112</a>	3.25515	3.69168	0.00005	0.000323529	YES
Ccl12	<a href="#">20293</a>	3.25494	3.2265	0.01575	0.0481999	YES
Lrfn1	<a href="#">80749</a>	3.25359	2.81957	0.0006	0.0029726	YES
Sec14l4	<a href="#">103655</a>	3.23615	3.68311	0.00005	0.000323529	YES
Sh2d4a	<a href="#">72281</a>	3.23312	7.41074	0.00005	0.000323529	YES
Klh13	<a href="#">67455</a>	3.23237	11.4451	0.00005	0.000323529	YES
Odf3l1	<a href="#">382075</a>	3.22422	4.40865	0.00005	0.000323529	YES
Vax2	<a href="#">24113</a>	3.22383	1.89453	0.01095	0.035676	YES
D10Bwg1379e	<a href="#">215821</a>	3.22052	3.1758	0.0002	0.0011411	YES
Gabra4	<a href="#">14397</a>	3.1919	2.93807	0.0011	0.0050638	YES
Gjb2	<a href="#">14619</a>	3.18148	3.08567	0.00145	0.0063961	YES
Slc5a8	<a href="#">216225</a>	3.17108	3.12272	0.00025	0.00138761	YES
Foxd1	<a href="#">15229</a>	3.16513	3.29452	0.00375	0.014433	YES
Gm765	<a href="#">330390</a>	3.14302	2.99205	0.0059	0.0212324	YES
Smr2	<a href="#">20600</a>	3.12463	7.31261	0.00005	0.000323529	YES
Prol1	<a href="#">17830</a>	3.11454	10.9551	0.00005	0.000323529	YES
Abo	<a href="#">80908</a>	3.1121	2.73096	0.0026	0.0105407	YES
E2f2	<a href="#">242705</a>	3.09851	7.62044	0.00005	0.000323529	YES

1600029D21Rik	<a href="#">76509</a>	3.09777	3.24587	0.00655	0.0231896	YES
Hoxa13	<a href="#">15398</a>	3.0837	4.34257	0.00005	0.000323529	YES
Gm10863	<a href="#">100041655</a>	3.08023	1.35701	0.00735	0.0255956	YES
Adra1b	<a href="#">11548</a>	3.06503	5.23451	0.00005	0.000323529	YES
En1	<a href="#">13798</a>	3.04961	5.06939	0.00005	0.000323529	YES
Bhlhe22	<a href="#">59058</a>	3.0388	3.16443	0.0022	0.00912365	YES
Tceal5	<a href="#">331532</a>	3.03689	8.30791	0.00005	0.000323529	YES
Rgs1	<a href="#">50778</a>	3.01365	3.06548	0.00115	0.00525399	YES
Oit1	<a href="#">18300</a>	3.00951	5.98649	0.00005	0.000323529	YES
Hap1	<a href="#">15114</a>	3.00535	2.58503	0.00335	0.0131247	YES
Sbpl	<a href="#">638345</a>	2.99969	4.74807	0.00005	0.000323529	YES
Slc34a2	<a href="#">20531</a>	2.98844	2.3873	0.0054	0.0197081	YES
Aass	<a href="#">30956</a>	2.98324	3.90853	0.00005	0.000323529	YES
A230057D06Rik	<a href="#">319893</a>	2.95609	2.27932	0.00545	0.0198492	YES
Nap1l3	<a href="#">54561</a>	2.95478	4.3757	0.00005	0.000323529	YES
Atp6v1b1	<a href="#">110935</a>	2.93214	2.3205	0.01035	0.0341097	YES
Hnf1b	<a href="#">21410</a>	2.93055	2.12895	0.0145	0.0451028	YES
A430010J10Rik	<a href="#">319665</a>	2.9204	2.01357	0.00225	0.00928693	YES
D630039A03Rik	<a href="#">242484</a>	2.91937	3.02897	0.00035	0.00186438	YES
Satb2	<a href="#">212712</a>	2.90887	3.27814	0.00005	0.000323529	YES
P2rx1	<a href="#">18436</a>	2.89956	6.59652	0.00005	0.000323529	YES
Cdh6	<a href="#">12563</a>	2.88094	2.53164	0.0034	0.0132809	YES
Sp8	<a href="#">320145</a>	2.87273	2.94789	0.00035	0.00186438	YES
Krt18	<a href="#">16668</a>	2.86859	5.80475	0.00005	0.000323529	YES
Nptx2	<a href="#">53324</a>	2.85549	4.87478	0.00005	0.000323529	YES
Gm12945	<a href="#">100048926</a>	2.85056	1.75708	0.01305	0.0413031	YES
9330111N05Rik	<a href="#">319983</a>	2.83764	1.72152	0.00185	0.00789701	YES
3110003A17Rik	<a href="#">73112</a>	2.82783	9.02618	0.00005	0.000323529	YES
Bex1	<a href="#">19716</a>	2.81258	6.83559	0.00005	0.000323529	YES
Diras2	<a href="#">68203</a>	2.81143	6.2785	0.00005	0.000323529	YES
Tnni3k	<a href="#">435766</a>	2.81086	3.00196	0.00045	0.00232845	YES
Slc5a1	<a href="#">20537</a>	2.80064	3.01327	0.0002	0.0011411	YES
Frmpd1	<a href="#">666060</a>	2.79377	6.76557	0.00005	0.000323529	YES
Kcnn4	<a href="#">16534</a>	2.78927	5.7294	0.00005	0.000323529	YES
Igj	<a href="#">16069</a>	2.78144	3.15945	0.00025	0.00138761	YES
Cyp1b1	<a href="#">13078</a>	2.77968	4.0073	0.00005	0.000323529	YES
Azgp1	<a href="#">12007</a>	2.77774	4.17394	0.00005	0.000323529	YES
Actg2	<a href="#">11468</a>	2.77464	11.4459	0.00005	0.000323529	YES
Ptgds	<a href="#">19215</a>	2.77411	6.09688	0.00005	0.000323529	YES
Hoxd11	<a href="#">15431</a>	2.7616	3.8815	0.00055	0.00276141	YES
Proca1	<a href="#">216974</a>	2.73476	4.60169	0.00005	0.000323529	YES
Dynlrb2	<a href="#">75465</a>	2.73176	3.58559	0.00335	0.0131247	YES
Cldn10	<a href="#">58187</a>	2.72794	5.04773	0.00005	0.000323529	YES
Tex15	<a href="#">104271</a>	2.72532	3.12675	0.00005	0.000323529	YES
Hs6st2	<a href="#">50786</a>	2.71407	8.27052	0.00005	0.000323529	YES
Gjb1	<a href="#">14618</a>	2.69608	4.14204	0.00005	0.000323529	YES
Pcbd1	<a href="#">13180</a>	2.69513	5.87417	0.00005	0.000323529	YES

Nckap5	<a href="#">210356</a>	2.68921	2.91178	0.00005	0.000323529	YES
Pou4f1	<a href="#">18996</a>	2.67547	5.49343	0.00005	0.000323529	YES
Ccdc159	<a href="#">67119</a>	2.66642	1.92933	0.00525	0.0192545	YES
Expi	<a href="#">14038</a>	2.65772	4.36703	0.0002	0.0011411	YES
Slco1a4	<a href="#">28250</a>	2.65464	2.86635	0.0004	0.00210083	YES
Tfap2a	<a href="#">21418</a>	2.65434	3.18543	0.0004	0.00210083	YES
Alpk2	<a href="#">225638</a>	2.65153	4.63521	0.00005	0.000323529	YES
Slc25a48	<a href="#">328258</a>	2.64421	2.46845	0.00475	0.0176888	YES
HaplN4	<a href="#">330790</a>	2.64115	2.65868	0.0013	0.00582759	YES
Bspry	<a href="#">192120</a>	2.64036	2.53212	0.00365	0.0141172	YES
A930003A15Rik	<a href="#">68162</a>	2.63979	3.71492	0.00005	0.000323529	YES
Tmem90b	<a href="#">433485</a>	2.62156	2.57769	0.0021	0.00876905	YES
Fam171b	<a href="#">241520</a>	2.56381	4.35748	0.00005	0.000323529	YES
Capn11	<a href="#">268958</a>	2.54934	2.72066	0.00055	0.00276141	YES
Gm106	<a href="#">226866</a>	2.54531	5.01119	0.00005	0.000323529	YES
Prelid2	<a href="#">77619</a>	2.53692	4.09937	0.00005	0.000323529	YES
Gm17102	<a href="#">102638296</a>	2.53629	1.76163	0.00125	0.00562912	YES
Arc	<a href="#">11838</a>	2.5292	2.77953	0.0001	0.000610637	YES
Tnfaip8l3	<a href="#">244882</a>	2.52662	2.8828	0.0006	0.0029726	YES
Aldh1b1	<a href="#">72535</a>	2.51245	3.93406	0.00005	0.000323529	YES
Rnft2	<a href="#">269695</a>	2.51114	4.9159	0.00005	0.000323529	YES
Cldn3	<a href="#">12739</a>	2.50455	2.91186	0.00615	0.0219763	YES
Grhl3	<a href="#">230824</a>	2.49991	2.83147	0.0005	0.00254778	YES
B3gnt5	<a href="#">108105</a>	2.4806	2.56885	0.00055	0.00276141	YES
Krt23	<a href="#">94179</a>	2.47831	3.28151	0.0001	0.000610637	YES
Bdnf	<a href="#">12064</a>	2.46599	2.44923	0.0006	0.0029726	YES
Olfm4	<a href="#">380924</a>	2.4654	3.06497	0.00045	0.00232845	YES
Lrrc3b	<a href="#">218763</a>	2.45375	5.80619	0.00005	0.000323529	YES
Plin5	<a href="#">66968</a>	2.45215	7.9708	0.00005	0.000323529	YES
4930578M01Rik	<a href="#">75951</a>	2.44963	1.92812	0.00695	0.0244189	YES
Sdf2l1	<a href="#">64136</a>	2.44962	5.70229	0.00005	0.000323529	YES
Hcn4	<a href="#">330953</a>	2.44222	2.65085	0.0005	0.00254778	YES
Slc25a34	<a href="#">384071</a>	2.43472	7.3267	0.00005	0.000323529	YES
Slc6a13	<a href="#">14412</a>	2.4295	4.79884	0.00005	0.000323529	YES
Vmn1r65	<a href="#">81013</a>	2.40348	4.09584	0.00005	0.000323529	YES
Ttc39a	<a href="#">230603</a>	2.40174	2.96109	0.00015	0.000880082	YES
Traf5	<a href="#">22033</a>	2.3999	3.74612	0.00005	0.000323529	YES
Nupr1	<a href="#">56312</a>	2.3955	10.9809	0.00005	0.000323529	YES
Fndc3c1	<a href="#">333564</a>	2.39259	4.84538	0.00005	0.000323529	YES
Dner	<a href="#">227325</a>	2.39057	2.56483	0.0009	0.00424116	YES
Fbxl22	<a href="#">74165</a>	2.38538	3.26954	0.00005	0.000323529	YES
Lpo	<a href="#">76113</a>	2.36923	2.41907	0.00215	0.00894696	YES
Myom3	<a href="#">242702</a>	2.35162	10.1702	0.00005	0.000323529	YES
Col4a6	<a href="#">94216</a>	2.34269	5.83428	0.00005	0.000323529	YES
Lgi3	<a href="#">213469</a>	2.33947	3.8857	0.00005	0.000323529	YES
Mir143hg	<a href="#">328968</a>	2.32921	1.77146	0.00665	0.0234855	YES
Acta2	<a href="#">11475</a>	2.32748	10.4828	0.00005	0.000323529	YES

Dse	<a href="#">212898</a>	2.32367	7.05206	0.00005	0.000323529	YES
Arhgap8	<a href="#">73167</a>	2.32329	2.01117	0.0019	0.00807975	YES
B230312C02Rik	<a href="#">320485</a>	2.32312	3.74014	0.00005	0.000323529	YES
Gm11627	<a href="#">100040792</a>	2.3201	3.2274	0.0017	0.00733233	YES
Slc28a3	<a href="#">114304</a>	2.31968	2.25141	0.00375	0.014433	YES
Dach1	<a href="#">13134</a>	2.31109	7.45859	0.00005	0.000323529	YES
Ydjc	<a href="#">69101</a>	2.30617	3.63632	0.0001	0.000610637	YES
Mpped2	<a href="#">77015</a>	2.30256	3.36425	0.00005	0.000323529	YES
Irx2	<a href="#">16372</a>	2.29361	2.9372	0.00055	0.00276141	YES
Gm16158	<a href="#">105242966</a>	2.29027	1.24382	0.004	0.0152681	YES
Fendrr	<a href="#">68790</a>	2.29018	2.31396	0.0006	0.0029726	YES
Myl4	<a href="#">17896</a>	2.28971	6.81324	0.00005	0.000323529	YES
Igfbp2	<a href="#">16008</a>	2.283	7.58356	0.00005	0.000323529	YES
Gm16731	<a href="#">105247126</a>	2.27216	2.72391	0.00025	0.00138761	YES
Dlg2	<a href="#">23859</a>	2.27191	5.57429	0.00005	0.000323529	YES
ligrp1	<a href="#">60440</a>	2.25378	8.24403	0.00005	0.000323529	YES
Epcam	<a href="#">17075</a>	2.24382	3.87043	0.00005	0.000323529	YES
Hoxd12	<a href="#">15432</a>	2.23967	2.00438	0.00925	0.0309317	YES
Srd5a2	<a href="#">94224</a>	2.23841	2.53294	0.0093	0.0310658	YES
Kcnk3	<a href="#">16527</a>	2.23443	3.73519	0.00005	0.000323529	YES
Tm6sf1	<a href="#">107769</a>	2.22779	7.5911	0.00005	0.000323529	YES
Slc7a4	<a href="#">224022</a>	2.22772	4.55899	0.00005	0.000323529	YES
Hist3h2ba	<a href="#">78303</a>	2.22232	2.83173	0.01225	0.0391095	YES
Kcnmb1	<a href="#">16533</a>	2.22225	2.79863	0.003	0.0119378	YES
Nme5	<a href="#">75533</a>	2.21326	3.03515	0.001	0.00465385	YES
AI646023	<a href="#">192734</a>	2.21139	3.25991	0.00005	0.000323529	YES
Nkain2	<a href="#">432450</a>	2.21048	4.07655	0.00005	0.000323529	YES
Cenpk	<a href="#">60411</a>	2.20154	2.32852	0.0005	0.00254778	YES
Upb1	<a href="#">103149</a>	2.20133	2.54339	0.00125	0.00562912	YES
Ryr2	<a href="#">20191</a>	2.19602	3.18633	0.00005	0.000323529	YES
Nphp4	<a href="#">260305</a>	2.19387	2.47377	0.0014	0.00620513	YES
Sdc2	<a href="#">15529</a>	2.17102	9.08684	0.00005	0.000323529	YES
Nmt2	<a href="#">18108</a>	2.16645	6.48316	0.00005	0.000323529	YES
Nipal2	<a href="#">223473</a>	2.15972	3.60679	0.00005	0.000323529	YES
Kcnd3	<a href="#">56543</a>	2.15281	2.74529	0.00005	0.000323529	YES
Wwc1	<a href="#">211652</a>	2.14258	3.60157	0.00005	0.000323529	YES
Gm16197	<a href="#">100504267</a>	2.14198	2.53376	0.0008	0.00383425	YES
Spdef	<a href="#">30051</a>	2.13771	2.54872	0.0015	0.00658526	YES
Wscd2	<a href="#">320916</a>	2.13042	3.28832	0.00005	0.000323529	YES
Reep2	<a href="#">225362</a>	2.12984	3.82479	0.00005	0.000323529	YES
Syt12	<a href="#">83671</a>	2.11751	6.92028	0.00005	0.000323529	YES
F830016B08Rik	<a href="#">240328</a>	2.11507	7.1473	0.00005	0.000323529	YES
Glrb	<a href="#">14658</a>	2.11346	2.90774	0.00025	0.00138761	YES
Rbfox3	<a href="#">52897</a>	2.10855	2.08929	0.002	0.00841627	YES
Slc7a5	<a href="#">20539</a>	2.10675	5.81085	0.00005	0.000323529	YES
Ankrd1	<a href="#">107765</a>	2.10442	5.1962	0.00005	0.000323529	YES
Myf5	<a href="#">17877</a>	2.10406	5.63085	0.00005	0.000323529	YES

Slc5a9	<a href="#">230612</a>	2.09659	2.27845	0.0019	0.00807975	YES
C530028O21Rik	<a href="#">319352</a>	2.0915	2.59771	0.0004	0.00210083	YES
Apol9a	<a href="#">223672</a>	2.08913	1.55866	0.01155	0.0373216	YES
Ggt7	<a href="#">207182</a>	2.08793	4.25037	0.00005	0.000323529	YES
Stc2	<a href="#">20856</a>	2.08789	3.93315	0.00005	0.000323529	YES
Gm27031		2.08627	2.64785	0.00085	0.00404799	YES
Krt8	<a href="#">16691</a>	2.08006	4.55551	0.00005	0.000323529	YES
Chrna1	<a href="#">11435</a>	2.07645	9.42571	0.00005	0.000323529	YES
Angpt1	<a href="#">11600</a>	2.07364	5.64467	0.00005	0.000323529	YES
Trim46	<a href="#">360213</a>	2.07362	2.72172	0.00005	0.000323529	YES
Zfr2	<a href="#">103406</a>	2.06162	5.68591	0.00005	0.000323529	YES
Oasl1	<a href="#">231655</a>	2.05796	2.03869	0.00255	0.0103674	YES
Ncam1	<a href="#">17967</a>	2.05751	6.06945	0.00005	0.000323529	YES
Cbx4	<a href="#">12418</a>	2.0519	5.27609	0.00005	0.000323529	YES
Tbx5	<a href="#">21388</a>	2.03995	2.6816	0.00055	0.00276141	YES
B4galt6	<a href="#">56386</a>	2.03747	5.73322	0.00005	0.000323529	YES
Runx1	<a href="#">12394</a>	2.02251	4.67581	0.00005	0.000323529	YES
Fignl1	<a href="#">60530</a>	2.01808	2.38642	0.00045	0.00232845	YES
Katnal2	<a href="#">71206</a>	2.01646	2.44415	0.00145	0.0063961	YES
Kcng1	<a href="#">241794</a>	2.01599	2.41149	0.0021	0.00876905	YES
Accn1	<a href="#">11418</a>	2.01326	2.61249	0.0005	0.00254778	YES
Myl9	<a href="#">98932</a>	2.0111	10.103	0.00005	0.000323529	YES
Kcnab3	<a href="#">16499</a>	2.01036	1.94305	0.0073	0.0254497	YES
Stom	<a href="#">13830</a>	2.00979	9.9054	0.00005	0.000323529	YES
Myh11	<a href="#">17880</a>	2.00532	7.1116	0.00005	0.000323529	YES
Hcn3	<a href="#">15168</a>	2.00483	2.52338	0.00155	0.00678017	YES
Dync1i1	<a href="#">13426</a>	2.00087	3.52438	0.00005	0.000323529	YES
Ptgr1	<a href="#">67103</a>	1.99276	5.10733	0.00005	0.000323529	YES
Gprasp1	<a href="#">67298</a>	1.99151	7.48938	0.00005	0.000323529	YES
Nucb2	<a href="#">53322</a>	1.99137	5.88113	0.00005	0.000323529	YES
Foxf1a	<a href="#">15227</a>	1.98887	3.25195	0.0003	0.00163174	YES
Bhlhb9	<a href="#">70237</a>	1.98603	5.75905	0.00005	0.000323529	YES
Mt3	<a href="#">17751</a>	1.98508	5.12454	0.00005	0.000323529	YES
Il17re	<a href="#">57890</a>	1.98219	5.01876	0.00005	0.000323529	YES
Pcp4	<a href="#">18546</a>	1.97938	5.39723	0.00005	0.000323529	YES
Adcy8	<a href="#">11514</a>	1.97487	2.17028	0.0037	0.0142754	YES
Ptpre	<a href="#">19267</a>	1.9738	5.84384	0.00005	0.000323529	YES
Gpr27	<a href="#">14761</a>	1.97038	4.28558	0.00005	0.000323529	YES
Slc27a1	<a href="#">26457</a>	1.96984	9.3304	0.00005	0.000323529	YES
Mlph	<a href="#">171531</a>	1.9674	3.54581	0.00005	0.000323529	YES
Kctd14	<a href="#">233529</a>	1.96592	2.38876	0.0005	0.00254778	YES
Rasef	<a href="#">242505</a>	1.9634	2.34578	0.00145	0.0063961	YES
Peg10	<a href="#">170676</a>	1.96277	4.35454	0.00005	0.000323529	YES
Trpv6	<a href="#">64177</a>	1.95996	1.93624	0.0059	0.0212324	YES
Stra6	<a href="#">20897</a>	1.95664	2.29569	0.00035	0.00186438	YES
BC064078	<a href="#">408064</a>	1.95136	3.00699	0.00095	0.00445144	YES
Me3	<a href="#">109264</a>	1.94744	8.61274	0.00005	0.000323529	YES

Rasal1	<a href="#">19415</a>	1.94615	2.98352	0.00005	0.000323529	YES
Aldh18a1	<a href="#">56454</a>	1.94481	4.45423	0.00005	0.000323529	YES
Ccdc46	<a href="#">76380</a>	1.94441	3.38122	0.00005	0.000323529	YES
Rgs12	<a href="#">71729</a>	1.94053	5.49784	0.00005	0.000323529	YES
Entpd3	<a href="#">215446</a>	1.93877	1.92734	0.00655	0.0231896	YES
Gsg1l	<a href="#">269994</a>	1.93827	3.11062	0.0001	0.000610637	YES
Mylk	<a href="#">107589</a>	1.93317	7.7033	0.00005	0.000323529	YES
Slitrk6	<a href="#">239250</a>	1.93092	2.69194	0.00015	0.000880082	YES
Glis1	<a href="#">230587</a>	1.93008	2.84475	0.00035	0.00186438	YES
Jph4	<a href="#">319984</a>	1.92973	2.99227	0.0002	0.0011411	YES
Fam169b	<a href="#">434197</a>	1.92326	4.03426	0.00005	0.000323529	YES
Abhd3	<a href="#">106861</a>	1.91887	3.10043	0.00025	0.00138761	YES
D330028D13Rik	<a href="#">231946</a>	1.91586	2.09158	0.00285	0.0114131	YES
Gstm2	<a href="#">14863</a>	1.91324	8.98953	0.00005	0.000323529	YES
Lbx2	<a href="#">16815</a>	1.90391	3.10264	0.0014	0.00620513	YES
Skap2	<a href="#">54353</a>	1.89828	5.62057	0.00005	0.000323529	YES
Pak6	<a href="#">214230</a>	1.89363	2.16072	0.00095	0.00445144	YES
Csrp1	<a href="#">13007</a>	1.89291	9.22465	0.00005	0.000323529	YES
Slc4a3	<a href="#">20536</a>	1.88523	7.33738	0.00005	0.000323529	YES
Klh32	<a href="#">212390</a>	1.87284	1.58109	0.0142	0.044345	YES
Ltbp2	<a href="#">16997</a>	1.8701	2.97408	0.00005	0.000323529	YES
Rtkn2	<a href="#">170799</a>	1.86544	6.44018	0.00005	0.000323529	YES
9230111E07Rik	<a href="#">77748</a>	1.86388	1.72494	0.00905	0.0303726	YES
Adamts20	<a href="#">223838</a>	1.85474	4.0643	0.00005	0.000323529	YES
Cacnb2	<a href="#">12296</a>	1.85076	2.28607	0.0009	0.00424116	YES
Cidea	<a href="#">12683</a>	1.84942	3.47358	0.00005	0.000323529	YES
Ntrk3	<a href="#">18213</a>	1.84834	4.29519	0.00005	0.000323529	YES
Foxl2	<a href="#">26927</a>	1.84403	2.96485	0.0003	0.00163174	YES
Tonsl	<a href="#">72749</a>	1.84345	2.73922	0.00005	0.000323529	YES
1700003E16Rik	<a href="#">71837</a>	1.8383	2.30972	0.0027	0.0108761	YES
Hspa4l	<a href="#">18415</a>	1.83828	4.88422	0.00005	0.000323529	YES
Plce1	<a href="#">74055</a>	1.83646	5.15266	0.00005	0.000323529	YES
Cpeb1	<a href="#">12877</a>	1.83407	6.84627	0.00005	0.000323529	YES
Galnt5	<a href="#">241391</a>	1.83346	2.49247	0.00045	0.00232845	YES
Lingo3	<a href="#">237403</a>	1.83036	5.85869	0.00005	0.000323529	YES
St14	<a href="#">19143</a>	1.82974	2.57595	0.0005	0.00254778	YES
Snx24	<a href="#">69226</a>	1.82701	5.79138	0.00005	0.000323529	YES
Gm4841	<a href="#">225594</a>	1.8191	7.18593	0.00005	0.000323529	YES
Mosc1	<a href="#">66112</a>	1.81908	2.32563	0.00195	0.00825222	YES
Pg pep1I	<a href="#">78444</a>	1.81818	6.83341	0.00005	0.000323529	YES
Mme	<a href="#">17380</a>	1.81272	3.71954	0.00005	0.000323529	YES
Cep72	<a href="#">74470</a>	1.8116	2.42002	0.00075	0.00362109	YES
Fam46c	<a href="#">74645</a>	1.80291	2.57078	0.0008	0.00383425	YES
Traf3ip3	<a href="#">215243</a>	1.79764	3.97115	0.00005	0.000323529	YES
Tppp3	<a href="#">67971</a>	1.79293	9.59736	0.00005	0.000323529	YES
Enkur	<a href="#">71233</a>	1.79147	3.41583	0.00005	0.000323529	YES
Decr2	<a href="#">26378</a>	1.79038	5.0703	0.00005	0.000323529	YES

Htatip2	<a href="#">53415</a>	1.78638	4.5537	0.00005	0.000323529	YES
Fgfr2	<a href="#">14183</a>	1.78448	3.51392	0.00005	0.000323529	YES
Zfpm2	<a href="#">22762</a>	1.78314	3.71013	0.00005	0.000323529	YES
Slc22a18	<a href="#">18400</a>	1.78191	2.4174	0.00055	0.00276141	YES
Rnf208	<a href="#">68846</a>	1.78139	3.7061	0.00005	0.000323529	YES
C030037D09Rik	<a href="#">193280</a>	1.77791	1.86903	0.00485	0.0180185	YES
Arfgap3	<a href="#">66251</a>	1.77297	6.12668	0.00005	0.000323529	YES
Gm13010	<a href="#">105247191</a>	1.77283	1.56393	0.0123	0.0392532	YES
Foxd2	<a href="#">17301</a>	1.76709	2.91043	0.00055	0.00276141	YES
Faah	<a href="#">14073</a>	1.76642	2.26427	0.00195	0.00825222	YES
Fbxo47	<a href="#">72973</a>	1.76561	2.11138	0.00625	0.0222779	YES
Cend1	<a href="#">57754</a>	1.76033	2.24312	0.0018	0.00770449	YES
Itga8	<a href="#">241226</a>	1.75982	4.41654	0.00005	0.000323529	YES
Trnp1	<a href="#">69539</a>	1.75889	3.91728	0.00005	0.000323529	YES
Gstm7	<a href="#">68312</a>	1.75149	5.64629	0.00005	0.000323529	YES
Isl2	<a href="#">104360</a>	1.74833	2.142	0.00615	0.0219763	YES
Capn6	<a href="#">12338</a>	1.74795	4.80271	0.00005	0.000323529	YES
Hk1	<a href="#">15275</a>	1.74731	6.43461	0.00005	0.000323529	YES
Tekt2	<a href="#">24084</a>	1.74678	2.1873	0.0016	0.00697368	YES
Kcnh2	<a href="#">16511</a>	1.74649	4.14587	0.00005	0.000323529	YES
Sap30	<a href="#">60406</a>	1.741	5.1674	0.00005	0.000323529	YES
Ncald	<a href="#">52589</a>	1.73953	5.05936	0.00005	0.000323529	YES
Magee1	<a href="#">107528</a>	1.73544	4.32836	0.00005	0.000323529	YES
1700019G06Rik		1.7283	2.93956	0.00005	0.000323529	YES
Dkk3	<a href="#">50781</a>	1.72532	4.21434	0.00005	0.000323529	YES
Slc38a1	<a href="#">105727</a>	1.72302	3.14502	0.00005	0.000323529	YES
Asl	<a href="#">109900</a>	1.7229	6.60031	0.00005	0.000323529	YES
Slc37a2	<a href="#">56857</a>	1.72184	2.82444	0.00005	0.000323529	YES
Alx3	<a href="#">11694</a>	1.70568	2.63369	0.00065	0.00319117	YES
Sh3rf3	<a href="#">237353</a>	1.70311	2.82299	0.00005	0.000323529	YES
Tmem14a	<a href="#">75712</a>	1.70158	4.59352	0.00005	0.000323529	YES
Crocc	<a href="#">230872</a>	1.69061	4.72276	0.00005	0.000323529	YES
Etv1	<a href="#">14009</a>	1.68505	3.3726	0.00005	0.000323529	YES
Nme4	<a href="#">56520</a>	1.68471	3.80465	0.00005	0.000323529	YES
Ascl1	<a href="#">17172</a>	1.68467	1.91994	0.0112	0.0363699	YES
Uchl1	<a href="#">22223</a>	1.68289	4.81727	0.00005	0.000323529	YES
Slc22a17	<a href="#">59049</a>	1.68205	5.67698	0.00005	0.000323529	YES
Prrx2	<a href="#">20204</a>	1.68203	4.15465	0.00005	0.000323529	YES
Trip13	<a href="#">69716</a>	1.67893	1.75736	0.01355	0.0425942	YES
Gm20632		1.67757	3.5552	0.00005	0.000323529	YES
Adcy5	<a href="#">224129</a>	1.67671	4.9712	0.00005	0.000323529	YES
Sp6	<a href="#">83395</a>	1.67608	2.29618	0.00195	0.00825222	YES
Chn1	<a href="#">108699</a>	1.67574	2.33928	0.00175	0.00752117	YES
Igsf11	<a href="#">207683</a>	1.67262	2.05374	0.00285	0.0114131	YES
Rnf128	<a href="#">66889</a>	1.67218	5.55428	0.00005	0.000323529	YES
Apitd1	<a href="#">69928</a>	1.66954	2.60911	0.0008	0.00383425	YES
Nt5c	<a href="#">50773</a>	1.65852	4.30163	0.00005	0.000323529	YES

Nqo1	<a href="#">18104</a>	1.65639	7.28722	0.00005	0.000323529	YES
Tagln	<a href="#">21345</a>	1.65526	4.52003	0.00005	0.000323529	YES
Dact3	<a href="#">629378</a>	1.65211	5.578	0.00005	0.000323529	YES
B930041F14Rik	<a href="#">230991</a>	1.64386	4.47971	0.00005	0.000323529	YES
Prmt2	<a href="#">15468</a>	1.643	5.73595	0.00005	0.000323529	YES
Itm2c	<a href="#">64294</a>	1.63626	7.99405	0.00005	0.000323529	YES
Hdgfrp3	<a href="#">29877</a>	1.63376	4.31506	0.00005	0.000323529	YES
Lgr6	<a href="#">329252</a>	1.6337	2.09429	0.0049	0.0181743	YES
Efcab4b	<a href="#">381812</a>	1.62861	1.76913	0.0106	0.0347733	YES
6230409E13Rik	<a href="#">76132</a>	1.62524	2.75963	0.00005	0.000323529	YES
Peg3as	<a href="#">100169889</a>	1.62381	2.25769	0.00055	0.00276141	YES
Slc25a24	<a href="#">229731</a>	1.62267	5.74563	0.00005	0.000323529	YES
Rab13	<a href="#">68328</a>	1.62147	6.63418	0.00005	0.000323529	YES
Ankrd42	<a href="#">73845</a>	1.61812	1.96611	0.0036	0.0139684	YES
Cdca8	<a href="#">52276</a>	1.61145	1.99244	0.00485	0.0180185	YES
Hsf2bp	<a href="#">74377</a>	1.61087	1.92209	0.00705	0.0246931	YES
Gdf11	<a href="#">14561</a>	1.61045	3.19358	0.00005	0.000323529	YES
Slc25a14	<a href="#">20523</a>	1.60995	2.99071	0.00005	0.000323529	YES
Iqgap2	<a href="#">544963</a>	1.6088	3.88739	0.00005	0.000323529	YES
AW551984	<a href="#">244810</a>	1.60781	2.88422	0.00005	0.000323529	YES
Mmp17	<a href="#">23948</a>	1.60755	2.73189	0.00025	0.00138761	YES
Pde5a	<a href="#">242202</a>	1.60742	4.57217	0.00005	0.000323529	YES
Cxcr7	<a href="#">12778</a>	1.60702	7.55428	0.00005	0.000323529	YES
Ckb	<a href="#">12709</a>	1.60635	6.8212	0.00005	0.000323529	YES
2810032G03Rik	<a href="#">72669</a>	1.60159	3.08265	0.00005	0.000323529	YES
Tspan1	<a href="#">66805</a>	1.59236	2.70546	0.0002	0.0011411	YES
Tmigd1	<a href="#">66601</a>	1.59149	2.24302	0.00305	0.0121092	YES
Pcdh7	<a href="#">54216</a>	1.58782	4.06697	0.00005	0.000323529	YES
Rab3d	<a href="#">19340</a>	1.58667	5.91087	0.00005	0.000323529	YES
Pnma1	<a href="#">70481</a>	1.58287	1.70474	0.01375	0.0431712	YES
Flna	<a href="#">192176</a>	1.58173	6.46051	0.00005	0.000323529	YES
Pik3ap1	<a href="#">83490</a>	1.58092	2.54246	0.0004	0.00210083	YES
Ehf	<a href="#">13661</a>	1.58037	3.44983	0.00005	0.000323529	YES
Foxc1	<a href="#">17300</a>	1.57884	3.46472	0.00005	0.000323529	YES
Ctxn1	<a href="#">330695</a>	1.57812	3.37805	0.00005	0.000323529	YES
Grb10	<a href="#">14783</a>	1.57808	6.66668	0.00005	0.000323529	YES
Shd	<a href="#">20420</a>	1.57747	1.65771	0.00715	0.0249988	YES
Maged1	<a href="#">94275</a>	1.57581	7.26561	0.00005	0.000323529	YES
Armcx1	<a href="#">78248</a>	1.57382	3.82057	0.00005	0.000323529	YES
Susd5	<a href="#">382111</a>	1.57358	2.61749	0.00025	0.00138761	YES
Car11	<a href="#">12348</a>	1.57189	5.06064	0.00005	0.000323529	YES
Tmco4	<a href="#">77056</a>	1.57058	4.5729	0.00005	0.000323529	YES
Lrrn3	<a href="#">16981</a>	1.57016	2.11031	0.00175	0.00752117	YES
BC018242	<a href="#">235044</a>	1.56468	3.46184	0.00005	0.000323529	YES
4933432I09Rik	<a href="#">66779</a>	1.56466	1.75478	0.00695	0.0244189	YES
Mtap9	<a href="#">213582</a>	1.55999	2.98873	0.00005	0.000323529	YES
Zdbf2	<a href="#">73884</a>	1.55768	3.87487	0.00005	0.000323529	YES

Rab15	<a href="#">104886</a>	1.55509	3.31329	0.00005	0.000323529	YES
2010204K13Rik	<a href="#">68355</a>	1.55424	2.14613	0.0021	0.00876905	YES
Rgs11	<a href="#">50782</a>	1.55267	2.59416	0.00035	0.00186438	YES
Pnck	<a href="#">93843</a>	1.55214	6.18217	0.00005	0.000323529	YES
Camsap3	<a href="#">69697</a>	1.55209	2.67673	0.00005	0.000323529	YES
Fam65b	<a href="#">193385</a>	1.54966	2.36347	0.00015	0.000880082	YES
Mrv1	<a href="#">17540</a>	1.5461	5.29296	0.00005	0.000323529	YES
Tnfrsf11a	<a href="#">21934</a>	1.54549	2.63163	0.0003	0.00163174	YES
Ptms	<a href="#">69202</a>	1.54405	8.05044	0.00005	0.000323529	YES
Fblim1	<a href="#">74202</a>	1.54342	3.95257	0.00005	0.000323529	YES
Gnaz	<a href="#">14687</a>	1.54078	1.78098	0.0052	0.0191112	YES
Tnfrsf19	<a href="#">29820</a>	1.53894	5.63535	0.00005	0.000323529	YES
1110059M19Rik	<a href="#">68800</a>	1.53574	2.69733	0.0005	0.00254778	YES
Hist3h2bb-ps	<a href="#">382522</a>	1.53378	2.64255	0.01455	0.0451958	YES
Uap1l1	<a href="#">227620</a>	1.53133	5.12418	0.00005	0.000323529	YES
1700012D01Rik	<a href="#">72243</a>	1.53089	2.40318	0.00765	0.0264646	YES
Gm26775		1.53069	1.42965	0.015	0.0463192	YES
Eid1	<a href="#">58521</a>	1.53043	6.35677	0.00005	0.000323529	YES
Chrdl1	<a href="#">83453</a>	1.52601	3.95124	0.00005	0.000323529	YES
4832428D23Rik	<a href="#">403183</a>	1.52579	2.22719	0.00175	0.00752117	YES
Intu	<a href="#">380614</a>	1.52509	3.29269	0.00005	0.000323529	YES
Actn1	<a href="#">109711</a>	1.52439	5.81216	0.00005	0.000323529	YES
Stk36	<a href="#">269209</a>	1.52321	2.09002	0.00195	0.00825222	YES
Hivep3	<a href="#">16656</a>	1.52079	2.20218	0.0005	0.00254778	YES
Igsf9	<a href="#">93842</a>	1.51611	1.66298	0.011	0.0358166	YES
Sema3a	<a href="#">20346</a>	1.51328	2.55645	0.00005	0.000323529	YES
Smad9	<a href="#">55994</a>	1.51295	2.09609	0.00185	0.00789701	YES
Trpv2	<a href="#">22368</a>	1.51268	3.50378	0.00005	0.000323529	YES
Arhgdig	<a href="#">14570</a>	1.51225	2.69925	0.0006	0.0029726	YES
Cmpk2	<a href="#">22169</a>	1.50987	4.50504	0.00005	0.000323529	YES
Ttc9	<a href="#">69480</a>	1.50978	5.6108	0.00005	0.000323529	YES
H2-Q7,H2-Q9	<a href="#">15018</a>	1.5067	2.90376	0.00005	0.000323529	YES
Fat1	<a href="#">14107</a>	1.49811	5.2722	0.00005	0.000323529	YES
Asns	<a href="#">27053</a>	1.49752	3.76268	0.00005	0.000323529	YES
Cpt1a	<a href="#">12894</a>	1.49091	5.64558	0.00005	0.000323529	YES
Cbx2	<a href="#">12416</a>	1.49004	2.64635	0.0001	0.000610637	YES
Nsl1	<a href="#">381318</a>	1.48926	2.00575	0.00355	0.0138017	YES
Dsc2	<a href="#">13506</a>	1.48776	1.75681	0.0099	0.0328054	YES
Tmem53	<a href="#">68777</a>	1.48701	3.80481	0.00005	0.000323529	YES
Fam26e	<a href="#">103511</a>	1.48413	2.88329	0.00005	0.000323529	YES
Ucp2	<a href="#">22228</a>	1.48106	5.67668	0.00005	0.000323529	YES
Galk1	<a href="#">14635</a>	1.47974	2.41486	0.0007	0.00340476	YES
Serf1	<a href="#">20365</a>	1.47713	5.15866	0.00005	0.000323529	YES
Hmgcs2	<a href="#">15360</a>	1.47691	3.75329	0.00005	0.000323529	YES
11190005I06Rik	<a href="#">68918</a>	1.47498	3.05854	0.00065	0.00319117	YES
Bbc3	<a href="#">170770</a>	1.47303	3.37477	0.00005	0.000323529	YES
Nhs1	<a href="#">215819</a>	1.473	4.26008	0.00005	0.000323529	YES

Dsp	<a href="#">109620</a>	1.47132	2.61829	0.0001	0.000610637	YES
Hdhd3	<a href="#">72748</a>	1.47066	2.57849	0.00165	0.00715394	YES
Pir	<a href="#">69656</a>	1.47012	4.23926	0.00005	0.000323529	YES
Dpp6	<a href="#">13483</a>	1.46924	5.35171	0.00005	0.000323529	YES
Acot1	<a href="#">26897</a>	1.46728	2.06866	0.0051	0.0188096	YES
6330439K17Rik	<a href="#">241688</a>	1.46655	2.45744	0.0002	0.0011411	YES
Maob	<a href="#">109731</a>	1.46629	6.61106	0.00005	0.000323529	YES
Gm17396	<a href="#">100502649</a>	1.46622	3.8241	0.00005	0.000323529	YES
Slc12a8	<a href="#">171286</a>	1.46441	1.6502	0.00915	0.0306624	YES
Pnmal2	<a href="#">434128</a>	1.46159	3.17172	0.00005	0.000323529	YES
C230035I16Rik	<a href="#">320842</a>	1.45641	1.67178	0.0072	0.0251512	YES
Adamts17	<a href="#">233332</a>	1.45603	1.84982	0.00475	0.0176888	YES
Moxd1	<a href="#">59012</a>	1.45064	2.48633	0.00035	0.00186438	YES
2410066E13Rik	<a href="#">68235</a>	1.4503	4.12753	0.00005	0.000323529	YES
Lix1l	<a href="#">280411</a>	1.4485	5.65987	0.00005	0.000323529	YES
Tnnt1	<a href="#">21955</a>	1.44602	2.95949	0.00005	0.000323529	YES
A930004D18Rik	<a href="#">77940</a>	1.43889	2.44092	0.00065	0.00319117	YES
Usp11	<a href="#">236733</a>	1.43847	5.21969	0.00005	0.000323529	YES
Atf5	<a href="#">107503</a>	1.43782	4.53705	0.00005	0.000323529	YES
Nlgn2	<a href="#">216856</a>	1.4377	5.55756	0.00005	0.000323529	YES
Basp1	<a href="#">70350</a>	1.4365	2.70147	0.00045	0.00232845	YES
Prr7	<a href="#">432763</a>	1.4347	2.04594	0.0122	0.0389974	YES
Mkx	<a href="#">210719</a>	1.4342	2.56431	0.0002	0.0011411	YES
9330104G04Rik	<a href="#">320950</a>	1.43402	3.22112	0.00005	0.000323529	YES
Gm19522	<a href="#">100503040</a>	1.43118	3.38536	0.00005	0.000323529	YES
Ddx11	<a href="#">320209</a>	1.43064	2.70761	0.00005	0.000323529	YES
Ogn	<a href="#">18295</a>	1.42616	4.63701	0.00005	0.000323529	YES
Zfp459	<a href="#">328274</a>	1.4232	2.10011	0.0026	0.0105407	YES
Ankrd35	<a href="#">213121</a>	1.42245	2.47756	0.0001	0.000610637	YES
Ocln	<a href="#">18260</a>	1.42159	1.67779	0.01385	0.0434418	YES
Irf6	<a href="#">54139</a>	1.42146	2.30069	0.00075	0.00362109	YES
Mms21l	<a href="#">212377</a>	1.42085	1.90776	0.0049	0.0181743	YES
Itm2a	<a href="#">16431</a>	1.42072	7.3687	0.00005	0.000323529	YES
Rbpms2	<a href="#">71973</a>	1.42043	3.77425	0.00005	0.000323529	YES
Dsn1	<a href="#">66934</a>	1.41722	2.78721	0.0001	0.000610637	YES
Gstm1	<a href="#">14862</a>	1.41715	7.45358	0.00005	0.000323529	YES
Nppc	<a href="#">18159</a>	1.41659	1.97903	0.0121	0.0387328	YES
Gpr161	<a href="#">240888</a>	1.41573	1.97177	0.0059	0.0212324	YES
Ngef	<a href="#">53972</a>	1.41569	2.69924	0.00005	0.000323529	YES
Rab36	<a href="#">76877</a>	1.41523	2.08284	0.0027	0.0108761	YES
Dmrt2	<a href="#">226049</a>	1.41498	5.04602	0.00005	0.000323529	YES
Creld2	<a href="#">76737</a>	1.41028	4.7241	0.00005	0.000323529	YES
Ppp1r9a	<a href="#">243725</a>	1.40896	3.81285	0.00005	0.000323529	YES
Adap1	<a href="#">231821</a>	1.40669	2.65202	0.00005	0.000323529	YES
Bai2	<a href="#">230775</a>	1.40541	1.72259	0.0083	0.0282595	YES
Ccdc104	<a href="#">216618</a>	1.40536	5.23747	0.00005	0.000323529	YES
Camkk1	<a href="#">55984</a>	1.40459	2.9101	0.00005	0.000323529	YES

Whrn	<a href="#">73750</a>	1.40438	2.18123	0.0007	0.00340476	YES
Car12	<a href="#">76459</a>	1.39845	2.56799	0.00015	0.000880082	YES
Cdcp1	<a href="#">109332</a>	1.39826	1.58848	0.01635	0.0496497	YES
Gjd4	<a href="#">225152</a>	1.39575	2.11171	0.0018	0.00770449	YES
Aldh2	<a href="#">11669</a>	1.39514	7.29709	0.00005	0.000323529	YES
Ppp1r14a	<a href="#">68458</a>	1.39467	4.57208	0.00005	0.000323529	YES
Gm4951	<a href="#">240327</a>	1.39418	1.62623	0.01425	0.0444747	YES
Nek8	<a href="#">140859</a>	1.39412	3.28003	0.00005	0.000323529	YES
Peg3	<a href="#">18616</a>	1.39181	4.44646	0.00005	0.000323529	YES
Tgfb1i1	<a href="#">21804</a>	1.38871	5.53691	0.00005	0.000323529	YES
Foxl2os	<a href="#">768252</a>	1.38856	2.59268	0.00025	0.00138761	YES
Ptrh1	<a href="#">329384</a>	1.3862	2.46649	0.00295	0.0117537	YES
Scamp5	<a href="#">56807</a>	1.38483	4.38661	0.00005	0.000323529	YES
Flywch2	<a href="#">76917</a>	1.38336	1.81403	0.00525	0.0192545	YES
Arhgap28	<a href="#">268970</a>	1.3827	3.37214	0.00005	0.000323529	YES
Nipsnap3b	<a href="#">66536</a>	1.3827	4.31815	0.00005	0.000323529	YES
Ndrg4	<a href="#">234593</a>	1.38135	3.50381	0.00005	0.000323529	YES
Gpc4	<a href="#">14735</a>	1.37973	5.80581	0.00005	0.000323529	YES
Sntg2	<a href="#">268534</a>	1.37748	1.77506	0.00865	0.0291359	YES
Crlf1	<a href="#">12931</a>	1.3756	4.45222	0.00005	0.000323529	YES
Sidt1	<a href="#">320007</a>	1.37325	1.84935	0.006	0.0215283	YES
Frk	<a href="#">14302</a>	1.37252	2.67097	0.00005	0.000323529	YES
Arsb	<a href="#">11881</a>	1.37127	4.17648	0.00005	0.000323529	YES
Thsd4	<a href="#">207596</a>	1.36684	2.96468	0.00005	0.000323529	YES
B4galnt1	<a href="#">14421</a>	1.36319	2.33035	0.00055	0.00276141	YES
Gm13375	<a href="#">433408</a>	1.36278	3.63967	0.00005	0.000323529	YES
Pappa2	<a href="#">23850</a>	1.36201	2.25285	0.0003	0.00163174	YES
Slc25a13	<a href="#">50799</a>	1.35639	1.66824	0.0095	0.0316331	YES
Gm9054	<a href="#">668224</a>	1.35569	2.39961	0.0066	0.0233404	YES
Ptgfrn	<a href="#">19221</a>	1.3536	5.4616	0.00005	0.000323529	YES
Dstn	<a href="#">56431</a>	1.35198	6.67618	0.00005	0.000323529	YES
Laptm4b	<a href="#">114128</a>	1.35148	6.74038	0.00005	0.000323529	YES
Ephx1	<a href="#">13849</a>	1.3511	6.74577	0.00005	0.000323529	YES
Col7a1	<a href="#">12836</a>	1.35102	5.76229	0.00005	0.000323529	YES
Cnga3	<a href="#">12790</a>	1.34998	1.88451	0.0051	0.0188096	YES
Rwdd2a	<a href="#">69519</a>	1.34922	1.41511	0.0143	0.0446131	YES
2610002J02Rik	<a href="#">67513</a>	1.34795	4.20868	0.00005	0.000323529	YES
Fibin	<a href="#">67606</a>	1.34647	4.43303	0.00005	0.000323529	YES
Rab27b	<a href="#">80718</a>	1.34646	2.02041	0.00225	0.00928693	YES
Cbr3	<a href="#">109857</a>	1.34479	2.99971	0.0002	0.0011411	YES
Cpxm2	<a href="#">55987</a>	1.34369	4.02734	0.00005	0.000323529	YES
Bmpr1b	<a href="#">12167</a>	1.34238	4.2768	0.00005	0.000323529	YES
Prox1	<a href="#">19130</a>	1.34094	2.00592	0.0033	0.0129643	YES
Gm962	<a href="#">381201</a>	1.34028	2.90369	0.00005	0.000323529	YES
Rgl3	<a href="#">71746</a>	1.3395	3.77998	0.00005	0.000323529	YES
Fsd1l	<a href="#">319636</a>	1.33622	5.1292	0.00005	0.000323529	YES
Slco4a1	<a href="#">108115</a>	1.33566	1.95908	0.0059	0.0212324	YES

Foxq1	<a href="#">15220</a>	1.33528	1.83827	0.0095	0.0316331	YES
Rhpn2	<a href="#">52428</a>	1.33387	2.24543	0.00215	0.00894696	YES
Sort1	<a href="#">20661</a>	1.33172	6.01215	0.00005	0.000323529	YES
A830010M20Rik	<a href="#">231570</a>	1.33148	3.87843	0.00005	0.000323529	YES
Wdr67	<a href="#">210544</a>	1.33117	2.92931	0.00005	0.000323529	YES
Igf2bp3	<a href="#">140488</a>	1.33106	2.42821	0.00035	0.00186438	YES
Gm7538	<a href="#">665194</a>	1.32972	1.85844	0.01535	0.0472608	YES
Casp12	<a href="#">12364</a>	1.32967	3.56067	0.00005	0.000323529	YES
Pdk3	<a href="#">236900</a>	1.32936	3.30104	0.00005	0.000323529	YES
Tspo	<a href="#">12257</a>	1.32893	8.28531	0.00005	0.000323529	YES
Isl1	<a href="#">16392</a>	1.32571	3.9838	0.00005	0.000323529	YES
Zfp286	<a href="#">192651</a>	1.32481	2.58918	0.00005	0.000323529	YES
Wisp1	<a href="#">22402</a>	1.32435	1.79299	0.00695	0.0244189	YES
Aldh3b2	<a href="#">621603</a>	1.3231	1.92748	0.005	0.0184972	YES
Slc24a3	<a href="#">94249</a>	1.32088	3.13353	0.00005	0.000323529	YES
Snx32	<a href="#">225861</a>	1.32061	5.3253	0.00005	0.000323529	YES
Pkp3	<a href="#">56460</a>	1.31994	1.53697	0.011	0.0358166	YES
Myog	<a href="#">17928</a>	1.31922	5.05726	0.00005	0.000323529	YES
Rcn1	<a href="#">19672</a>	1.31577	5.19922	0.00005	0.000323529	YES
P2ry1	<a href="#">18441</a>	1.31544	3.67133	0.00005	0.000323529	YES
1500017E21Rik	<a href="#">668215</a>	1.31399	2.37229	0.0008	0.00383425	YES
Cbx8	<a href="#">30951</a>	1.3129	3.13044	0.00005	0.000323529	YES
Serinc2	<a href="#">230779</a>	1.31192	5.72331	0.00005	0.000323529	YES
Sema3d	<a href="#">108151</a>	1.30927	2.29045	0.0007	0.00340476	YES
Prss23	<a href="#">76453</a>	1.30824	3.54748	0.00005	0.000323529	YES
Foxc2	<a href="#">14234</a>	1.30738	1.93215	0.0131	0.0414364	YES
Prkra	<a href="#">23992</a>	1.30696	4.58341	0.00005	0.000323529	YES
Ahi1	<a href="#">52906</a>	1.30626	2.14627	0.00095	0.00445144	YES
Arhgef19	<a href="#">213649</a>	1.30236	1.90937	0.00545	0.0198492	YES
Acss3	<a href="#">380660</a>	1.30187	3.45207	0.00005	0.000323529	YES
Wasf3	<a href="#">245880</a>	1.3011	1.74797	0.01045	0.0343672	YES
Ckap4	<a href="#">216197</a>	1.30066	4.60967	0.00005	0.000323529	YES
Mrgpre	<a href="#">244238</a>	1.29816	2.71482	0.00005	0.000323529	YES
Wbscr27	<a href="#">79565</a>	1.29811	2.98428	0.00005	0.000323529	YES
Tlr6	<a href="#">21899</a>	1.2958	1.77622	0.00905	0.0303726	YES
Snx10	<a href="#">71982</a>	1.29246	4.4506	0.00005	0.000323529	YES
P4ha1	<a href="#">18451</a>	1.29202	4.99146	0.00005	0.000323529	YES
Ero1lb	<a href="#">67475</a>	1.2918	3.29663	0.00005	0.000323529	YES
Ptgis	<a href="#">19223</a>	1.2914	4.37996	0.00005	0.000323529	YES
Fam55c	<a href="#">385658</a>	1.29122	2.10941	0.0011	0.0050638	YES
Tmem191c	<a href="#">224019</a>	1.29092	3.00365	0.0001	0.000610637	YES
Arx	<a href="#">11878</a>	1.28872	2.51364	0.0009	0.00424116	YES
Lmcd1	<a href="#">30937</a>	1.28529	5.60994	0.00005	0.000323529	YES
Hoxd13	<a href="#">15433</a>	1.28505	2.18371	0.00185	0.00789701	YES
Mdk	<a href="#">17242</a>	1.28461	1.75272	0.0025	0.0101825	YES
Spats2l	<a href="#">67198</a>	1.28429	3.81926	0.00005	0.000323529	YES
Spock2	<a href="#">94214</a>	1.2822	3.75014	0.00005	0.000323529	YES

Col4a5	<a href="#">12830</a>	1.28218	4.07399	0.00005	0.000323529	YES
Wasf1	<a href="#">83767</a>	1.28184	1.85635	0.00825	0.0281502	YES
C1rl	<a href="#">232371</a>	1.28109	2.07641	0.0024	0.00982613	YES
Nav3	<a href="#">260315</a>	1.27691	2.39623	0.0001	0.000610637	YES
Fgd4	<a href="#">224014</a>	1.2761	2.64967	0.00005	0.000323529	YES
Emb	<a href="#">13723</a>	1.27559	3.68614	0.00005	0.000323529	YES
Bub1b	<a href="#">12236</a>	1.27419	2.08684	0.00055	0.00276141	YES
Grb14	<a href="#">50915</a>	1.27217	6.13099	0.00005	0.000323529	YES
Nov	<a href="#">18133</a>	1.26812	4.42749	0.00005	0.000323529	YES
Nceh1	<a href="#">320024</a>	1.26788	3.18808	0.00005	0.000323529	YES
Pkdrej	<a href="#">18766</a>	1.26742	2.19524	0.00125	0.00562912	YES
Mfap4	<a href="#">76293</a>	1.26678	4.26102	0.00005	0.000323529	YES
Fkbp7	<a href="#">14231</a>	1.264	4.38758	0.00005	0.000323529	YES
Dock5	<a href="#">68813</a>	1.26358	2.5958	0.0001	0.000610637	YES
Arpp21	<a href="#">74100</a>	1.26196	4.24233	0.00005	0.000323529	YES
Lrrc8b	<a href="#">433926</a>	1.26179	2.348	0.0009	0.00424116	YES
Best3	<a href="#">382427</a>	1.25932	2.63601	0.0003	0.00163174	YES
Mamdc2	<a href="#">71738</a>	1.25811	2.82949	0.00005	0.000323529	YES
Cblc	<a href="#">80794</a>	1.25704	1.49958	0.012	0.0384753	YES
Shroom3	<a href="#">27428</a>	1.25697	3.19206	0.00005	0.000323529	YES
Pitx2	<a href="#">18741</a>	1.25536	3.07409	0.00005	0.000323529	YES
Cat	<a href="#">12359</a>	1.25351	6.12942	0.00005	0.000323529	YES
Dtx1	<a href="#">14357</a>	1.2534	1.93559	0.0042	0.0159426	YES
4930526I15Rik	<a href="#">75135</a>	1.25036	2.61338	0.0005	0.00254778	YES
AI414108	<a href="#">102623</a>	1.24979	2.1571	0.0018	0.00770449	YES
Rgs6	<a href="#">50779</a>	1.24903	1.41556	0.01465	0.0454346	YES
Rapgef1	<a href="#">268480</a>	1.24808	1.87533	0.004	0.0152681	YES
Usp20	<a href="#">74270</a>	1.24624	5.45591	0.00005	0.000323529	YES
Cd44	<a href="#">12505</a>	1.24562	4.14813	0.00005	0.000323529	YES
Gas1	<a href="#">14451</a>	1.24128	6.5158	0.00005	0.000323529	YES
Tbc1d30	<a href="#">74694</a>	1.24084	1.59387	0.01225	0.0391095	YES
Larp6	<a href="#">67557</a>	1.24038	2.8082	0.00005	0.000323529	YES
C630004H02Rik	<a href="#">217310</a>	1.23691	3.39009	0.00005	0.000323529	YES
Manf	<a href="#">74840</a>	1.23609	4.68414	0.00005	0.000323529	YES
Cp	<a href="#">12870</a>	1.23213	3.08945	0.00005	0.000323529	YES
Ncapg2	<a href="#">76044</a>	1.23061	2.24142	0.0005	0.00254778	YES
Btbd8	<a href="#">100503185</a>	1.22967	1.87554	0.01115	0.0362151	YES
Dzip1l	<a href="#">72507</a>	1.22907	2.71384	0.00005	0.000323529	YES
Tbx4	<a href="#">21387</a>	1.22865	2.67461	0.0001	0.000610637	YES
2810055F11Rik	<a href="#">67217</a>	1.22821	2.66901	0.00025	0.00138761	YES
Oscp1	<a href="#">230751</a>	1.22783	2.61083	0.00015	0.000880082	YES
Cyp46a1	<a href="#">13116</a>	1.22499	1.71204	0.01305	0.0413031	YES
Mx2	<a href="#">17858</a>	1.22309	1.68164	0.0031	0.0122829	YES
Espn	<a href="#">56226</a>	1.22266	1.4663	0.01005	0.0332254	YES
Fgf11	<a href="#">14166</a>	1.22058	3.2775	0.0005	0.00254778	YES
Vps37d	<a href="#">194309</a>	1.21904	1.7927	0.00565	0.0204591	YES
Sod3	<a href="#">20657</a>	1.21883	4.80166	0.00005	0.000323529	YES

Sh3bp1	<a href="#">20401</a>	1.21799	2.11987	0.0017	0.00733233	YES
Apbb1	<a href="#">11785</a>	1.21793	4.48269	0.00005	0.000323529	YES
Acpl2	<a href="#">235534</a>	1.21759	2.62067	0.0001	0.000610637	YES
Trem2	<a href="#">83433</a>	1.21587	1.98011	0.00675	0.023812	YES
Lekr1	<a href="#">624866</a>	1.21564	1.69441	0.007	0.0245617	YES
Plag1	<a href="#">56711</a>	1.21482	1.79684	0.0071	0.0248461	YES
Atp1a1	<a href="#">11928</a>	1.21398	5.8023	0.00005	0.000323529	YES
Dennd2d	<a href="#">72121</a>	1.21315	1.61996	0.0083	0.0282595	YES
Fras1	<a href="#">231470</a>	1.21183	4.04488	0.00005	0.000323529	YES
Crtap	<a href="#">56693</a>	1.21137	3.72883	0.00005	0.000323529	YES
Lrrc16a	<a href="#">68732</a>	1.20885	2.09379	0.001	0.00465385	YES
Galk2	<a href="#">69976</a>	1.20796	2.85744	0.0001	0.000610637	YES
Ankrd50	<a href="#">99696</a>	1.20629	4.11422	0.00005	0.000323529	YES
Meis2	<a href="#">17536</a>	1.20518	2.97103	0.00005	0.000323529	YES
Lgmn	<a href="#">19141</a>	1.20199	5.9361	0.00005	0.000323529	YES
Plxna3	<a href="#">18846</a>	1.19935	2.73945	0.00015	0.000880082	YES
Kif11	<a href="#">16551</a>	1.19916	1.8063	0.0034	0.0132809	YES
Pqlc3	<a href="#">217430</a>	1.19879	2.53832	0.00005	0.000323529	YES
Pfkl	<a href="#">18641</a>	1.19752	4.69176	0.00005	0.000323529	YES
B4galt2	<a href="#">53418</a>	1.19732	3.32691	0.00005	0.000323529	YES
Chpf	<a href="#">74241</a>	1.1965	4.28207	0.00005	0.000323529	YES
Pygb	<a href="#">110078</a>	1.19524	4.67162	0.00005	0.000323529	YES
Bcar3	<a href="#">29815</a>	1.19485	3.95499	0.00005	0.000323529	YES
Marcks1	<a href="#">17357</a>	1.19293	2.38515	0.00055	0.00276141	YES
Fam83h	<a href="#">105732</a>	1.19071	2.0909	0.0009	0.00424116	YES
Tmcc2	<a href="#">68875</a>	1.18959	5.55396	0.00005	0.000323529	YES
Rap1gap	<a href="#">110351</a>	1.18873	3.49345	0.00005	0.000323529	YES
Dok5	<a href="#">76829</a>	1.18814	2.76699	0.0001	0.000610637	YES
Klhl36	<a href="#">234796</a>	1.18776	2.84687	0.00005	0.000323529	YES
Gm7694	<a href="#">665574</a>	1.18287	2.08899	0.00135	0.00601572	YES
Rab3a	<a href="#">19339</a>	1.18238	4.98762	0.00005	0.000323529	YES
Slc9a2	<a href="#">226999</a>	1.18193	4.86534	0.00005	0.000323529	YES
Eml2	<a href="#">72205</a>	1.17848	4.91192	0.00005	0.000323529	YES
Lix1	<a href="#">66643</a>	1.17696	2.44865	0.0003	0.00163174	YES
Nkd1	<a href="#">93960</a>	1.17552	2.54508	0.0002	0.0011411	YES
Pld3	<a href="#">18807</a>	1.17514	5.19644	0.00005	0.000323529	YES
Gpr162	<a href="#">14788</a>	1.17483	1.86983	0.0063	0.0224307	YES
Gstt3	<a href="#">103140</a>	1.17326	4.71979	0.00005	0.000323529	YES
Stk32a	<a href="#">269019</a>	1.17282	1.77005	0.0045	0.0168978	YES
Hps1	<a href="#">192236</a>	1.17171	2.51468	0.00025	0.00138761	YES
Tmem144	<a href="#">70652</a>	1.17133	2.39092	0.00125	0.00562912	YES
Npdc1	<a href="#">18146</a>	1.1681	5.48984	0.00005	0.000323529	YES
E2f1	<a href="#">13555</a>	1.16771	1.76665	0.00785	0.0270376	YES
Clstn1	<a href="#">65945</a>	1.16418	4.89117	0.00005	0.000323529	YES
Kazald1	<a href="#">107250</a>	1.16329	3.11439	0.00015	0.000880082	YES
Hacl1	<a href="#">56794</a>	1.16301	4.33013	0.00005	0.000323529	YES
4930579G24Rik	<a href="#">75939</a>	1.16175	2.45823	0.00085	0.00404799	YES

Aig1	<a href="#">66253</a>	1.16122	3.86431	0.00005	0.000323529	YES
Meis1	<a href="#">17268</a>	1.15952	3.23119	0.00005	0.000323529	YES
Orai2	<a href="#">269717</a>	1.15941	2.38282	0.0004	0.00210083	YES
Hspf1	<a href="#">15505</a>	1.15868	5.15011	0.00005	0.000323529	YES
Dpysl5	<a href="#">65254</a>	1.15745	1.93119	0.00335	0.0131247	YES
Sox10	<a href="#">20665</a>	1.15719	2.74147	0.00005	0.000323529	YES
Tmc6	<a href="#">217353</a>	1.1547	3.77997	0.00005	0.000323529	YES
Arhgef2	<a href="#">16800</a>	1.15397	4.89589	0.00005	0.000323529	YES
Dusp18	<a href="#">75219</a>	1.15349	3.26168	0.00005	0.000323529	YES
Wif1	<a href="#">24117</a>	1.15324	2.27383	0.00105	0.00485494	YES
Robo1	<a href="#">19876</a>	1.15263	1.94097	0.00235	0.00963898	YES
Tspyl5	<a href="#">239364</a>	1.15224	2.00763	0.00225	0.00928693	YES
Cyp2f2	<a href="#">13107</a>	1.1521	3.5119	0.00005	0.000323529	YES
Maged2	<a href="#">80884</a>	1.15186	4.795	0.00005	0.000323529	YES
Slc46a1	<a href="#">52466</a>	1.15113	2.33612	0.00125	0.00562912	YES
Atp2a2	<a href="#">11938</a>	1.14926	5.18518	0.00005	0.000323529	YES
D630045J12Rik	<a href="#">330286</a>	1.14884	1.85113	0.00245	0.0100126	YES
Gmds	<a href="#">218138</a>	1.14876	2.84248	0.0001	0.000610637	YES
Oxct1	<a href="#">67041</a>	1.1485	5.26779	0.00005	0.000323529	YES
Mansc1	<a href="#">67729</a>	1.14776	2.43926	0.00015	0.000880082	YES
Sec1	<a href="#">56546</a>	1.14683	1.77655	0.01405	0.0439639	YES
Cpeb2	<a href="#">231207</a>	1.14674	3.3299	0.00005	0.000323529	YES
Zfp365	<a href="#">216049</a>	1.14329	1.83371	0.00425	0.0161129	YES
Tnfrsf22	<a href="#">79202</a>	1.14324	1.94225	0.00535	0.0195574	YES
Nacad	<a href="#">192950</a>	1.14278	2.07014	0.0012	0.00544762	YES
Mid1	<a href="#">17318</a>	1.14183	2.47421	0.0006	0.0029726	YES
Tmem9	<a href="#">66241</a>	1.14111	3.42394	0.00005	0.000323529	YES
Shf	<a href="#">435684</a>	1.14024	2.26863	0.00115	0.00525399	YES
Gm17501	<a href="#">100216343</a>	1.13741	1.57643	0.0127	0.0403333	YES
Pgcp	<a href="#">54381</a>	1.13456	4.74137	0.00005	0.000323529	YES
Wdpcp	<a href="#">216560</a>	1.13303	2.51297	0.0002	0.0011411	YES
Erbb3	<a href="#">13867</a>	1.1327	2.41154	0.0004	0.00210083	YES
Polr2a	<a href="#">20020</a>	1.13265	5.08396	0.00005	0.000323529	YES
Kif7	<a href="#">16576</a>	1.12656	2.1573	0.00075	0.00362109	YES
Csdc2	<a href="#">105859</a>	1.1257	3.18277	0.00005	0.000323529	YES
Tsc22d1	<a href="#">21807</a>	1.12548	4.49462	0.00005	0.000323529	YES
Sdc4	<a href="#">20971</a>	1.12542	4.82161	0.00005	0.000323529	YES
Tpmt	<a href="#">22017</a>	1.12349	2.85689	0.0001	0.000610637	YES
Atp8a2	<a href="#">50769</a>	1.12331	2.29098	0.00055	0.00276141	YES
Gng7	<a href="#">14708</a>	1.12175	2.93146	0.00005	0.000323529	YES
Lpin3	<a href="#">64899</a>	1.12171	1.48512	0.01145	0.037067	YES
Tmc7	<a href="#">209760</a>	1.12111	4.05947	0.00005	0.000323529	YES
Upk1a	<a href="#">109637</a>	1.12085	2.8508	0.00025	0.00138761	YES
Sema3c	<a href="#">20348</a>	1.12072	5.04552	0.00005	0.000323529	YES
Tctn2	<a href="#">67978</a>	1.1205	2.54714	0.0002	0.0011411	YES
4931428F04Rik	<a href="#">74356</a>	1.12036	2.31777	0.00035	0.00186438	YES
Odz3	<a href="#">23965</a>	1.11967	3.98598	0.00005	0.000323529	YES

Lrrc1	<a href="#">214345</a>	1.11889	2.22873	0.00045	0.00232845	YES
Haghl	<a href="#">68977</a>	1.11826	2.36548	0.0002	0.0011411	YES
Igtp	<a href="#">16145</a>	1.11769	4.40758	0.00005	0.000323529	YES
Phgdh	<a href="#">236539</a>	1.11751	3.2	0.00005	0.000323529	YES
Gatm	<a href="#">67092</a>	1.11702	4.09222	0.00005	0.000323529	YES
Rbp4	<a href="#">19662</a>	1.11562	2.84075	0.00005	0.000323529	YES
Fam71e1	<a href="#">75538</a>	1.11554	2.27556	0.00775	0.02674	YES
Fbxw17	<a href="#">109082</a>	1.11482	3.80394	0.00005	0.000323529	YES
Zswim6	<a href="#">67263</a>	1.11459	2.52092	0.0002	0.0011411	YES
Ift57	<a href="#">73916</a>	1.11458	2.5344	0.00015	0.000880082	YES
Id4	<a href="#">15904</a>	1.11404	2.33611	0.0005	0.00254778	YES
Nkd2	<a href="#">72293</a>	1.1134	1.82875	0.0043	0.016275	YES
Cxx1c	<a href="#">72865</a>	1.11307	3.08533	0.0001	0.000610637	YES
Sesn3	<a href="#">75747</a>	1.11219	2.64388	0.00025	0.00138761	YES
Gyk	<a href="#">14933</a>	1.10959	2.09551	0.00255	0.0103674	YES
Lca5	<a href="#">75782</a>	1.10948	1.94819	0.00105	0.00485494	YES
Six2	<a href="#">20472</a>	1.10903	3.27784	0.00005	0.000323529	YES
Chst14	<a href="#">72136</a>	1.10894	3.05833	0.00005	0.000323529	YES
Fgl2	<a href="#">14190</a>	1.10805	2.61345	0.00015	0.000880082	YES
Lgals1	<a href="#">16852</a>	1.10747	6.24174	0.00005	0.000323529	YES
Chrnb1	<a href="#">11443</a>	1.10742	5.70505	0.00005	0.000323529	YES
Bace2	<a href="#">56175</a>	1.10683	3.38945	0.00005	0.000323529	YES
Ror2	<a href="#">26564</a>	1.10221	1.96856	0.0034	0.0132809	YES
Casr	<a href="#">12374</a>	1.10217	1.52979	0.01615	0.0492039	YES
Plod2	<a href="#">26432</a>	1.09961	3.21049	0.00005	0.000323529	YES
Sardh	<a href="#">192166</a>	1.0996	1.93214	0.0028	0.0112271	YES
Grhl1	<a href="#">195733</a>	1.09867	1.83345	0.00365	0.0141172	YES
Def6	<a href="#">23853</a>	1.09775	2.20134	0.0009	0.00424116	YES
Pigz	<a href="#">239827</a>	1.0972	2.13691	0.00265	0.0107213	YES
Pacrgl	<a href="#">66768</a>	1.09695	2.52652	0.00075	0.00362109	YES
1810055G02Rik	<a href="#">72056</a>	1.09671	2.82438	0.00005	0.000323529	YES
Fam110b	<a href="#">242297</a>	1.09586	2.655	0.0003	0.00163174	YES
Spnb3	<a href="#">20743</a>	1.09535	1.71826	0.00555	0.0201574	YES
Camk2n2	<a href="#">73047</a>	1.09458	2.43259	0.0077	0.0265966	YES
Cib1	<a href="#">23991</a>	1.09425	4.29691	0.00005	0.000323529	YES
E230016M11Rik	<a href="#">320172</a>	1.09414	1.9739	0.00125	0.00562912	YES
Ndn	<a href="#">17984</a>	1.09365	4.21554	0.00005	0.000323529	YES
Cnrip1	<a href="#">380686</a>	1.09357	2.57688	0.00045	0.00232845	YES
Hmgm5	<a href="#">50887</a>	1.09294	3.41673	0.00005	0.000323529	YES
Cchcr1	<a href="#">240084</a>	1.09267	2.65187	0.0001	0.000610637	YES
Erbb2	<a href="#">13866</a>	1.09156	1.83766	0.00635	0.0225934	YES
Gm26540		1.089	1.66657	0.00925	0.0309317	YES
Sall1	<a href="#">58198</a>	1.08874	2.12412	0.0014	0.00620513	YES
Gale	<a href="#">74246</a>	1.08819	1.98522	0.00375	0.014433	YES
Vwa5a	<a href="#">67776</a>	1.08704	4.86199	0.00005	0.000323529	YES
Mcm5	<a href="#">17218</a>	1.08664	2.02896	0.00125	0.00562912	YES
Osbpl5	<a href="#">79196</a>	1.0856	4.51606	0.00005	0.000323529	YES

Cdon	<a href="#">57810</a>	1.08556	4.55788	0.00005	0.000323529	YES
Fam174b	<a href="#">100038347</a>	1.08389	4.88022	0.00005	0.000323529	YES
Hoxa11	<a href="#">15396</a>	1.08373	1.94403	0.0058	0.0209252	YES
Vgll3	<a href="#">73569</a>	1.08189	3.46694	0.00005	0.000323529	YES
Car6	<a href="#">12353</a>	1.08119	2.4483	0.001	0.00465385	YES
Armcx2	<a href="#">67416</a>	1.08018	3.0115	0.00005	0.000323529	YES
BC017158	<a href="#">233913</a>	1.07989	2.62146	0.00005	0.000323529	YES
Gadd45a	<a href="#">13197</a>	1.07831	4.383	0.00005	0.000323529	YES
Afmid	<a href="#">71562</a>	1.07683	3.26481	0.00005	0.000323529	YES
Dnaja4	<a href="#">58233</a>	1.07504	5.11757	0.00005	0.000323529	YES
Slc7a1	<a href="#">11987</a>	1.07328	2.77273	0.00005	0.000323529	YES
Dhx58	<a href="#">80861</a>	1.07194	1.5495	0.008	0.027458	YES
Fbxl8	<a href="#">50788</a>	1.07167	2.39139	0.00145	0.0063961	YES
Mapre3	<a href="#">100732</a>	1.07149	5.25987	0.00005	0.000323529	YES
Hspb11	<a href="#">72938</a>	1.0709	3.65617	0.0002	0.0011411	YES
Scn3b	<a href="#">235281</a>	1.06988	2.47996	0.00015	0.000880082	YES
Als2cr4	<a href="#">381259</a>	1.0694	2.97319	0.00005	0.000323529	YES
Slc25a5	<a href="#">11740</a>	1.06922	5.8486	0.00005	0.000323529	YES
Abcc8	<a href="#">20927</a>	1.06918	1.83111	0.00545	0.0198492	YES
Tuba1b	<a href="#">22143</a>	1.06765	5.1326	0.00005	0.000323529	YES
Chrdl2	<a href="#">69121</a>	1.06704	2.35246	0.0008	0.00383425	YES
Eme2	<a href="#">193838</a>	1.06644	2.69575	0.00015	0.000880082	YES
Arhgef25	<a href="#">52666</a>	1.06604	4.22489	0.00005	0.000323529	YES
Selm	<a href="#">114679</a>	1.06593	4.78992	0.00005	0.000323529	YES
Ccdc92	<a href="#">215707</a>	1.06307	1.57711	0.01415	0.0442416	YES
Dzip1	<a href="#">66573</a>	1.06302	2.28173	0.00085	0.00404799	YES
Adra1a	<a href="#">11549</a>	1.06173	1.71557	0.00745	0.0258923	YES
Arl6	<a href="#">56297</a>	1.0616	2.68098	0.0003	0.00163174	YES
Hoxa11os	<a href="#">15397</a>	1.06129	1.94704	0.0031	0.0122829	YES
Hspa1b	<a href="#">15511</a>	1.05971	2.64223	0.00015	0.000880082	YES
Noxo1	<a href="#">71893</a>	1.05968	1.89457	0.0044	0.0165857	YES
Gm15337	<a href="#">100503620</a>	1.05956	1.81596	0.00225	0.00928693	YES
Pgm5	<a href="#">226041</a>	1.05919	4.66541	0.00005	0.000323529	YES
Zcchc3	<a href="#">67917</a>	1.05797	2.36685	0.0013	0.00582759	YES
2010107G23Rik	<a href="#">69894</a>	1.05746	2.37449	0.00065	0.00319117	YES
Enpp1	<a href="#">18605</a>	1.05725	2.1227	0.00145	0.0063961	YES
Dkgk	<a href="#">110197</a>	1.05631	1.70465	0.0064	0.0227559	YES
Tceal7	<a href="#">100040972</a>	1.05525	3.31896	0.00005	0.000323529	YES
Tmem117	<a href="#">320709</a>	1.05476	4.35569	0.00005	0.000323529	YES
Tspan17	<a href="#">74257</a>	1.05439	4.83763	0.00005	0.000323529	YES
Psat1	<a href="#">107272</a>	1.05434	2.54075	0.00005	0.000323529	YES
Pkhd1l1	<a href="#">192190</a>	1.05421	1.58368	0.0085	0.0287538	YES
Morc4	<a href="#">75746</a>	1.05156	3.45208	0.00005	0.000323529	YES
Nfkbie	<a href="#">18037</a>	1.05052	1.85779	0.0049	0.0181743	YES
D17H6S56E-3	<a href="#">27762</a>	1.04988	4.29718	0.00005	0.000323529	YES
Tst	<a href="#">22117</a>	1.04982	4.69544	0.00005	0.000323529	YES
5530601H04Rik	<a href="#">71445</a>	1.04875	1.96974	0.0135	0.0424795	YES

Tmem47	<a href="#">192216</a>	1.04821	3.88533	0.00005	0.000323529	YES
Sipa1l1	<a href="#">217692</a>	1.04813	3.7057	0.00005	0.000323529	YES
Sec23b	<a href="#">27054</a>	1.04809	4.09033	0.00005	0.000323529	YES
Tyro3	<a href="#">22174</a>	1.0471	2.12574	0.00085	0.00404799	YES
AI428936	<a href="#">233066</a>	1.04585	1.85992	0.0075	0.0260201	YES
Ttc39c	<a href="#">72747</a>	1.04558	2.21767	0.00015	0.000880082	YES
Zfp612	<a href="#">234725</a>	1.04422	3.45005	0.00005	0.000323529	YES
Ppp2r3d	<a href="#">19054</a>	1.04404	2.6093	0.00035	0.00186438	YES
Spsb1	<a href="#">74646</a>	1.04349	3.05626	0.00005	0.000323529	YES
Slc41a1	<a href="#">98396</a>	1.04289	5.08887	0.00005	0.000323529	YES
Wisp2	<a href="#">22403</a>	1.04286	1.77883	0.0099	0.0328053	YES
Ttc26	<a href="#">264134</a>	1.04285	1.91044	0.00305	0.0121092	YES
Dbnl	<a href="#">13169</a>	1.04218	3.85742	0.00005	0.000323529	YES
Alg14	<a href="#">66789</a>	1.04212	3.61969	0.00005	0.000323529	YES
Marveld1	<a href="#">277010</a>	1.04123	4.66226	0.00005	0.000323529	YES
Foxp1	<a href="#">108655</a>	1.04073	3.62864	0.00005	0.000323529	YES
Sema3f	<a href="#">20350</a>	1.04072	3.61267	0.00005	0.000323529	YES
Cyp7b1	<a href="#">13123</a>	1.04062	1.60411	0.01485	0.0459191	YES
Osgin1	<a href="#">71839</a>	1.04039	4.03715	0.00005	0.000323529	YES
Rfx5	<a href="#">53970</a>	1.03957	2.10545	0.00135	0.00601572	YES
Rsad2	<a href="#">58185</a>	1.03943	2.65727	0.00005	0.000323529	YES
Tagap1	<a href="#">380608</a>	1.03812	2.9983	0.00005	0.000323529	YES
Ifi27l2a	<a href="#">76933</a>	1.03573	5.38419	0.00005	0.000323529	YES
Gm8619		1.03503	1.49849	0.01255	0.0399053	YES
Gm26827		1.03462	1.92851	0.0057	0.0206165	YES
Gm684	<a href="#">100502940</a>	1.03402	1.91443	0.0109	0.0355794	YES
Gltp	<a href="#">56356</a>	1.03345	4.46928	0.00005	0.000323529	YES
Tnfrsf23	<a href="#">79201</a>	1.03306	2.6238	0.00015	0.000880082	YES
Frem2	<a href="#">242022</a>	1.03253	1.60049	0.0084	0.0285321	YES
Slc9a3r1	<a href="#">26941</a>	1.03023	2.91167	0.00005	0.000323529	YES
2210013O21Rik	<a href="#">70123</a>	1.02995	3.47437	0.00005	0.000323529	YES
Fam59a	<a href="#">381126</a>	1.02918	1.72842	0.00745	0.0258923	YES
Osr2	<a href="#">107587</a>	1.02825	3.09434	0.00005	0.000323529	YES
Ift80	<a href="#">68259</a>	1.02717	2.65857	0.00005	0.000323529	YES
Mfsd6	<a href="#">98682</a>	1.02627	3.6396	0.00005	0.000323529	YES
Cep290	<a href="#">216274</a>	1.02568	2.00562	0.0006	0.0029726	YES
Dfna5	<a href="#">54722</a>	1.02512	1.8291	0.00485	0.0180185	YES
2010002N04Rik	<a href="#">106878</a>	1.02497	2.34349	0.0015	0.00658526	YES
Spint2	<a href="#">20733</a>	1.0236	3.64836	0.00005	0.000323529	YES
2410075B13Rik	<a href="#">223648</a>	1.02321	1.60019	0.01125	0.0365172	YES
Cald1	<a href="#">109624</a>	1.02271	4.01546	0.00005	0.000323529	YES
Leprel4	<a href="#">66180</a>	1.02138	3.06129	0.00005	0.000323529	YES
Smc2	<a href="#">14211</a>	1.02103	1.98671	0.00095	0.00445144	YES
Mamld1	<a href="#">333639</a>	1.02096	2.22171	0.00035	0.00186438	YES
Fgfr4	<a href="#">14186</a>	1.02094	3.37841	0.00005	0.000323529	YES
Qsox1	<a href="#">104009</a>	1.02012	3.92437	0.00005	0.000323529	YES
Pgpep1	<a href="#">66522</a>	1.01726	4.48735	0.00005	0.000323529	YES

2310047B19Rik	<a href="#">66962</a>	1.01696	2.99321	0.00005	0.000323529	YES
Zc4h2	<a href="#">245522</a>	1.01559	2.30532	0.001	0.00465385	YES
Wdyhv1	<a href="#">76773</a>	1.01376	3.13868	0.0001	0.000610637	YES
Pdia4	<a href="#">12304</a>	1.01291	3.93203	0.00005	0.000323529	YES
Mtap1a	<a href="#">17754</a>	1.01237	1.70934	0.00615	0.0219763	YES
Trim37	<a href="#">68729</a>	1.01118	2.97812	0.00005	0.000323529	YES
Mamstr	<a href="#">74490</a>	1.01043	5.0876	0.00005	0.000323529	YES
Tceal8	<a href="#">66684</a>	1.00796	3.40525	0.00005	0.000323529	YES
2610002I17Rik	<a href="#">72341</a>	1.00629	2.1817	0.0008	0.00383425	YES
Col8a2	<a href="#">329941</a>	1.00591	1.81863	0.0047	0.0175317	YES
Wdr13	<a href="#">73447</a>	1.00439	4.39504	0.00005	0.000323529	YES
Racgap1	<a href="#">26934</a>	1.00109	1.71	0.00355	0.0138017	YES
1700025K23Rik	<a href="#">66337</a>	1.00105	2.35964	0.0042	0.0159426	YES
Zfp40	<a href="#">22700</a>	1.00047	2.33739	0.00035	0.00186438	YES
Msc	<a href="#">17681</a>	1.00027	2.21352	0.0019	0.00807975	YES
Rabl2	<a href="#">68708</a>	0.998967	2.35716	0.0008	0.00383425	YES
Cyp2e1	<a href="#">13106</a>	0.998329	3.92106	0.00005	0.000323529	YES
Zfp521	<a href="#">225207</a>	0.998091	3.80031	0.00005	0.000323529	YES
Ctsb	<a href="#">13030</a>	0.996143	3.9827	0.00005	0.000323529	YES
Klhdc8b	<a href="#">78267</a>	0.995913	2.19018	0.00225	0.00928693	YES
Sdk1	<a href="#">330222</a>	0.993634	2.34251	0.0003	0.00163174	YES
Izumo4	<a href="#">71564</a>	0.993189	2.68539	0.00045	0.00232845	YES
Cd82	<a href="#">12521</a>	0.992712	4.75006	0.00005	0.000323529	YES
Epha3	<a href="#">13837</a>	0.992656	1.67317	0.008	0.027458	YES
Dnase2a	<a href="#">13423</a>	0.991922	2.55528	0.0005	0.00254778	YES
Myl6b	<a href="#">216459</a>	0.991331	3.38011	0.00005	0.000323529	YES
Fbxo27	<a href="#">233040</a>	0.988651	1.54216	0.01525	0.0469989	YES
Hspa1a	<a href="#">193740</a>	0.986423	2.21637	0.0012	0.00544762	YES
Os9	<a href="#">216440</a>	0.985045	3.80341	0.00005	0.000323529	YES
Tm7sf2	<a href="#">73166</a>	0.983131	2.21777	0.0049	0.0181743	YES
Rassf5	<a href="#">54354</a>	0.981135	2.02106	0.00245	0.0100126	YES
Lgr5	<a href="#">14160</a>	0.980412	1.55012	0.01195	0.0383933	YES
Parva	<a href="#">57342</a>	0.979628	3.97013	0.00005	0.000323529	YES
Hnmt	<a href="#">140483</a>	0.977777	1.81388	0.00965	0.0320783	YES
Shq1	<a href="#">72171</a>	0.97727	1.98676	0.0026	0.0105407	YES
Tlr3	<a href="#">142980</a>	0.976846	2.56218	0.00005	0.000323529	YES
Ak4	<a href="#">11639</a>	0.975868	1.82602	0.00415	0.0157832	YES
Osbp2	<a href="#">74309</a>	0.974848	1.89245	0.00255	0.0103674	YES
Cox8a	<a href="#">12868</a>	0.973743	7.12452	0.00005	0.000323529	YES
Ccdc141	<a href="#">545428</a>	0.97255	2.94988	0.00005	0.000323529	YES
Gpx8	<a href="#">69590</a>	0.967131	3.43767	0.00005	0.000323529	YES
Slc39a6	<a href="#">106957</a>	0.965928	2.45179	0.0002	0.0011411	YES
Ddah2	<a href="#">51793</a>	0.96581	3.76051	0.00005	0.000323529	YES
Dbn1	<a href="#">56320</a>	0.965348	2.86314	0.00005	0.000323529	YES
Plekha3	<a href="#">83435</a>	0.964238	3.80551	0.00005	0.000323529	YES
Cpne2	<a href="#">234577</a>	0.96244	3.05907	0.00005	0.000323529	YES
Kcne4	<a href="#">57814</a>	0.962395	2.4551	0.00045	0.00232845	YES

Fbxl19	<a href="#">233902</a>	0.960888	2.53605	0.0002	0.0011411	YES
Fam115a	<a href="#">77574</a>	0.960048	2.64079	0.00005	0.000323529	YES
Pyroxd2	<a href="#">74580</a>	0.959616	1.93051	0.0023	0.00946104	YES
Rcan3	<a href="#">53902</a>	0.958996	3.33827	0.00005	0.000323529	YES
Gm2415		0.958818	1.37816	0.0093	0.0310658	YES
AI413582	<a href="#">106672</a>	0.958172	2.61018	0.00335	0.0131247	YES
Itgb3	<a href="#">16416</a>	0.957522	1.9772	0.0023	0.00946104	YES
Irf7	<a href="#">54123</a>	0.956465	2.37048	0.0001	0.000610637	YES
Pja1	<a href="#">18744</a>	0.95602	3.70572	0.00005	0.000323529	YES
Fnbp1	<a href="#">14269</a>	0.955945	3.38517	0.00005	0.000323529	YES
Rnf43	<a href="#">207742</a>	0.955536	1.92071	0.00245	0.0100126	YES
Calcr	<a href="#">12311</a>	0.952272	1.60512	0.00985	0.0326741	YES
Atp2a3	<a href="#">53313</a>	0.952191	3.38093	0.00005	0.000323529	YES
Golim4	<a href="#">73124</a>	0.951935	3.33099	0.00005	0.000323529	YES
Klf8	<a href="#">245671</a>	0.951568	1.67572	0.0121	0.0387328	YES
Stim2	<a href="#">116873</a>	0.94923	3.88974	0.00005	0.000323529	YES
Cyb5r3	<a href="#">109754</a>	0.948362	4.37934	0.00005	0.000323529	YES
Tspan5	<a href="#">56224</a>	0.947727	3.15435	0.00005	0.000323529	YES
Gm12942	<a href="#">100039968</a>	0.94735	2.24355	0.004	0.0152681	YES
Arhgap11a	<a href="#">228482</a>	0.946225	1.56632	0.01005	0.0332254	YES
Man2b2	<a href="#">17160</a>	0.945627	3.11936	0.00005	0.000323529	YES
Postn	<a href="#">50706</a>	0.944809	3.40098	0.00005	0.000323529	YES
Ppp1r13l	<a href="#">333654</a>	0.943745	2.29188	0.00085	0.00404799	YES
Napb	<a href="#">17957</a>	0.943527	4.01571	0.00005	0.000323529	YES
Foxred2	<a href="#">239554</a>	0.942894	1.90794	0.0022	0.00912365	YES
Nnt	<a href="#">18115</a>	0.94037	4.17875	0.00005	0.000323529	YES
Fam151b	<a href="#">73942</a>	0.940153	2.37013	0.0017	0.00733233	YES
Arid5a	<a href="#">214855</a>	0.938928	2.62864	0.00005	0.000323529	YES
Znrf3	<a href="#">407821</a>	0.937915	2.84576	0.00005	0.000323529	YES
Fzd2	<a href="#">57265</a>	0.937776	2.99498	0.00005	0.000323529	YES
Aph1b	<a href="#">208117</a>	0.937771	2.53223	0.00025	0.00138761	YES
Fchsd1	<a href="#">319262</a>	0.936521	1.89928	0.00155	0.00678017	YES
Serp1	<a href="#">28146</a>	0.93633	1.81989	0.0138	0.0433022	YES
Wls	<a href="#">68151</a>	0.935855	4.20513	0.00005	0.000323529	YES
BC037034	<a href="#">231807</a>	0.934646	2.98273	0.00005	0.000323529	YES
Hspb1	<a href="#">15507</a>	0.932806	5.71727	0.00005	0.000323529	YES
Stx1a	<a href="#">20907</a>	0.932017	1.77495	0.0077	0.0265966	YES
Rnd3	<a href="#">74194</a>	0.931798	3.42879	0.00005	0.000323529	YES
L3mbtl3	<a href="#">237339</a>	0.929691	2.6309	0.0001	0.000610637	YES
Cenpc1	<a href="#">12617</a>	0.929475	2.74992	0.00005	0.000323529	YES
Acsl3	<a href="#">74205</a>	0.929374	2.97464	0.00005	0.000323529	YES
Ift27	<a href="#">67042</a>	0.929241	3.72797	0.00005	0.000323529	YES
Arnt2	<a href="#">11864</a>	0.92764	1.96674	0.00235	0.00963898	YES
Cacna1h	<a href="#">58226</a>	0.927479	2.38007	0.00015	0.000880082	YES
Tmem98	<a href="#">103743</a>	0.927433	2.10437	0.00315	0.0124684	YES
Slc39a11	<a href="#">69806</a>	0.92558	2.19697	0.0002	0.0011411	YES
Lgr4	<a href="#">107515</a>	0.923504	4.24869	0.00005	0.000323529	YES

Tmem107	<a href="#">66910</a>	0.922929	1.84497	0.00415	0.0157832	YES
Lrp2bp	<a href="#">67620</a>	0.922505	2.34853	0.0004	0.00210083	YES
Ttc38	<a href="#">239570</a>	0.920614	3.20779	0.00005	0.000323529	YES
Cpe	<a href="#">12876</a>	0.918572	4.65855	0.00005	0.000323529	YES
Slc25a22	<a href="#">68267</a>	0.91836	3.31346	0.00005	0.000323529	YES
Kcnb1	<a href="#">16500</a>	0.917827	3.40913	0.00005	0.000323529	YES
Tle6	<a href="#">114606</a>	0.917111	3.25404	0.00005	0.000323529	YES
Abcd4	<a href="#">19300</a>	0.916911	3.38921	0.00005	0.000323529	YES
Megf10	<a href="#">70417</a>	0.916505	2.03922	0.00165	0.00715394	YES
Inadl	<a href="#">12695</a>	0.916346	1.83429	0.00165	0.00715394	YES
Dmxl2	<a href="#">235380</a>	0.915879	2.94021	0.00005	0.000323529	YES
Ppfia4	<a href="#">68507</a>	0.913305	2.69472	0.00005	0.000323529	YES
2210016F16Rik	<a href="#">70153</a>	0.912781	3.66168	0.00005	0.000323529	YES
Pycr1	<a href="#">209027</a>	0.912634	1.98543	0.0029	0.0115956	YES
Slc38a10	<a href="#">72055</a>	0.910442	4.04997	0.00005	0.000323529	YES
Dpf1	<a href="#">29861</a>	0.910102	1.75976	0.00865	0.0291359	YES
Notch2	<a href="#">18129</a>	0.909718	3.72111	0.00005	0.000323529	YES
Hfe	<a href="#">15216</a>	0.909061	3.64454	0.00005	0.000323529	YES
Ache	<a href="#">11423</a>	0.908417	4.35811	0.00005	0.000323529	YES
Spg20	<a href="#">229285</a>	0.907704	3.88995	0.00005	0.000323529	YES
Tspyl4	<a href="#">72480</a>	0.90765	1.65451	0.0068	0.0239668	YES
March9	<a href="#">216438</a>	0.907239	3.05593	0.0001	0.000610637	YES
Glb1	<a href="#">12091</a>	0.907026	2.11514	0.00095	0.00445144	YES
Rras	<a href="#">20130</a>	0.907016	4.98182	0.00005	0.000323529	YES
Lphn2	<a href="#">99633</a>	0.903696	3.32811	0.00005	0.000323529	YES
Ttc8	<a href="#">76260</a>	0.903443	2.45391	0.00005	0.000323529	YES
Panx1	<a href="#">55991</a>	0.902849	3.36979	0.00005	0.000323529	YES
Oraov1	<a href="#">72284</a>	0.900799	3.66422	0.00005	0.000323529	YES
Hyou1	<a href="#">12282</a>	0.89912	3.78188	0.00005	0.000323529	YES
AA388235	<a href="#">433100</a>	0.898721	1.5853	0.0145	0.0451028	YES
Dlg4	<a href="#">13385</a>	0.898574	2.3108	0.0002	0.0011411	YES
Fkbp9	<a href="#">27055</a>	0.898144	4.31281	0.00005	0.000323529	YES
Tuba1c	<a href="#">22146</a>	0.897996	1.97433	0.00405	0.0154515	YES
Zfp688	<a href="#">69234</a>	0.897661	2.02255	0.00695	0.0244189	YES
Zfp13	<a href="#">22654</a>	0.89659	2.14411	0.00135	0.00601572	YES
Pvrl3	<a href="#">58998</a>	0.89562	2.14128	0.00045	0.00232845	YES
Tusc3	<a href="#">80286</a>	0.89494	3.08642	0.00005	0.000323529	YES
Grik5	<a href="#">14809</a>	0.894577	3.48363	0.00005	0.000323529	YES
B3galt6	<a href="#">117592</a>	0.894273	2.28751	0.0009	0.00424116	YES
Dpy19l1	<a href="#">244745</a>	0.894111	1.67403	0.012	0.0384753	YES
Armc9	<a href="#">78795</a>	0.893354	2.03199	0.0022	0.00912365	YES
Ppapdc1b	<a href="#">71910</a>	0.893094	3.01764	0.00005	0.000323529	YES
Slc31a2	<a href="#">20530</a>	0.892698	3.38793	0.00005	0.000323529	YES
Wbp5	<a href="#">22381</a>	0.892686	3.68538	0.00005	0.000323529	YES
Fxyd6	<a href="#">59095</a>	0.891138	3.91064	0.00005	0.000323529	YES
Ggh	<a href="#">14590</a>	0.890694	3.23512	0.00005	0.000323529	YES
Mex3a	<a href="#">72640</a>	0.889941	1.47011	0.01625	0.0494128	YES

Casq2	<a href="#">12373</a>	0.889843	3.96576	0.00005	0.000323529	YES
Ikbip	<a href="#">67454</a>	0.888877	2.26446	0.0002	0.0011411	YES
Syt3	<a href="#">20981</a>	0.88827	2.4378	0.0002	0.0011411	YES
Tmem30b	<a href="#">238257</a>	0.887198	2.20165	0.00165	0.00715394	YES
Maoa	<a href="#">17161</a>	0.887121	3.37795	0.00005	0.000323529	YES
Jazf1	<a href="#">231986</a>	0.886863	1.6316	0.00755	0.0261704	YES
Nol3	<a href="#">78688</a>	0.882507	3.48785	0.00005	0.000323529	YES
Dap	<a href="#">223453</a>	0.88222	3.58839	0.00005	0.000323529	YES
Sat2	<a href="#">69215</a>	0.881798	2.83445	0.00025	0.00138761	YES
Snhg11	<a href="#">319317</a>	0.881242	1.92102	0.0039	0.0149481	YES
Smo	<a href="#">319757</a>	0.880359	3.46059	0.00005	0.000323529	YES
Hspa5	<a href="#">14828</a>	0.880171	3.73225	0.00005	0.000323529	YES
Csrp2	<a href="#">13008</a>	0.878123	2.77244	0.00055	0.00276141	YES
Ngfrap1	<a href="#">12070</a>	0.877529	1.76708	0.0024	0.00982613	YES
Ubxn2b	<a href="#">68053</a>	0.877005	1.71935	0.00595	0.021383	YES
Sept10	<a href="#">103080</a>	0.876496	2.89601	0.00005	0.000323529	YES
Acsl4	<a href="#">50790</a>	0.874713	3.75973	0.00005	0.000323529	YES
Gng10	<a href="#">14700</a>	0.874506	3.25716	0.00005	0.000323529	YES
Pafah1b3	<a href="#">18476</a>	0.872897	1.82409	0.016	0.0488415	YES
Dennd5b	<a href="#">320560</a>	0.871539	2.34696	0.00015	0.000880082	YES
Atp2b4	<a href="#">381290</a>	0.871189	3.48682	0.00005	0.000323529	YES
Hipk4	<a href="#">233020</a>	0.870956	1.95472	0.00365	0.0141172	YES
4831426I19Rik	<a href="#">212073</a>	0.870748	2.40999	0.0001	0.000610637	YES
Tanc2	<a href="#">77097</a>	0.870725	2.98597	0.00005	0.000323529	YES
Snapc3	<a href="#">77634</a>	0.869369	2.98441	0.00005	0.000323529	YES
Chd3	<a href="#">216848</a>	0.869264	2.6867	0.00005	0.000323529	YES
Lamb2	<a href="#">16779</a>	0.868905	4.21423	0.00005	0.000323529	YES
Hspa13	<a href="#">110920</a>	0.867611	2.87345	0.00005	0.000323529	YES
Dixdc1	<a href="#">330938</a>	0.867209	2.5419	0.0001	0.000610637	YES
Flrt2	<a href="#">399558</a>	0.867101	3.12485	0.00005	0.000323529	YES
Arl2bp	<a href="#">107566</a>	0.866561	3.06351	0.00005	0.000323529	YES
Mpv17l	<a href="#">93734</a>	0.866301	1.6321	0.01475	0.0456727	YES
Stk39	<a href="#">53416</a>	0.865364	2.2293	0.0009	0.00424116	YES
Cnnm2	<a href="#">94219</a>	0.864896	1.91925	0.00195	0.00825222	YES
5430407P10Rik	<a href="#">227545</a>	0.863875	2.26172	0.0005	0.00254778	YES
Srgap3	<a href="#">259302</a>	0.863561	1.48407	0.0157	0.0480843	YES
Bnc2	<a href="#">242509</a>	0.862843	1.51973	0.01155	0.0373216	YES
Car2	<a href="#">12349</a>	0.86281	2.40625	0.0005	0.00254778	YES
Spry2	<a href="#">24064</a>	0.862568	3.00934	0.0001	0.000610637	YES
Plekha5	<a href="#">109135</a>	0.861705	2.82218	0.00005	0.000323529	YES
Pamr1	<a href="#">210622</a>	0.861668	2.90339	0.00005	0.000323529	YES
Igsf3	<a href="#">78908</a>	0.860872	2.42541	0.00015	0.000880082	YES
6330403A02Rik	<a href="#">381310</a>	0.860546	3.83419	0.00005	0.000323529	YES
Ppap2c	<a href="#">50784</a>	0.860132	1.92676	0.0075	0.0260201	YES
Abhd2	<a href="#">54608</a>	0.858566	1.97294	0.00305	0.0121092	YES
Mup20	<a href="#">381530</a>	0.858532	2.72285	0.00055	0.00276141	YES
Tbc1d19	<a href="#">67249</a>	0.857729	3.19904	0.00005	0.000323529	YES

Scnn1a	<a href="#">20276</a>	0.857514	1.57044	0.0125	0.0397946	YES
Mgp	<a href="#">17313</a>	0.856756	4.78441	0.00005	0.000323529	YES
Mapk8ip1	<a href="#">19099</a>	0.856155	2.46321	0.00005	0.000323529	YES
Rad51l3	<a href="#">19364</a>	0.855482	2.82182	0.00005	0.000323529	YES
Dpy19l3	<a href="#">233115</a>	0.854877	2.41084	0.00015	0.000880082	YES
Abi2	<a href="#">329165</a>	0.854809	2.72551	0.00005	0.000323529	YES
Kcnc3	<a href="#">16504</a>	0.853327	2.74855	0.0001	0.000610637	YES
Zbtb42	<a href="#">382639</a>	0.852566	2.23118	0.0006	0.0029726	YES
Stmn1	<a href="#">16765</a>	0.851528	2.04888	0.0045	0.0168978	YES
Tradd	<a href="#">71609</a>	0.851264	2.57274	0.0007	0.00340476	YES
Nipal3	<a href="#">74552</a>	0.851128	3.2678	0.00005	0.000323529	YES
Lonp2	<a href="#">66887</a>	0.849386	3.47396	0.00005	0.000323529	YES
Lrp12	<a href="#">239393</a>	0.847932	2.585	0.00005	0.000323529	YES
Zcchc5	<a href="#">213436</a>	0.847416	2.09333	0.00095	0.00445144	YES
Epb4.1l1	<a href="#">13821</a>	0.84596	2.66912	0.00005	0.000323529	YES
Tubb4b	<a href="#">227613</a>	0.845218	3.79182	0.00005	0.000323529	YES
Pon2	<a href="#">330260</a>	0.845185	4.15847	0.00005	0.000323529	YES
Tmem200b	<a href="#">623230</a>	0.844415	1.94641	0.0086	0.0290234	YES
Fam122b	<a href="#">78755</a>	0.843199	1.77852	0.0073	0.0254497	YES
Tnik	<a href="#">665113</a>	0.842644	3.39234	0.00005	0.000323529	YES
Rcn3	<a href="#">52377</a>	0.841272	3.40515	0.00005	0.000323529	YES
Acss2	<a href="#">60525</a>	0.840777	3.3592	0.00005	0.000323529	YES
Numbl	<a href="#">18223</a>	0.840167	2.63903	0.00015	0.000880082	YES
Matn2	<a href="#">17181</a>	0.840122	3.21473	0.00005	0.000323529	YES
Mmgt2	<a href="#">216829</a>	0.839614	2.34405	0.00075	0.00362109	YES
Nbea	<a href="#">26422</a>	0.838899	2.52716	0.00005	0.000323529	YES
Thrsp	<a href="#">21835</a>	0.838259	3.72592	0.00005	0.000323529	YES
Iqsec2	<a href="#">245666</a>	0.836062	2.63346	0.00005	0.000323529	YES
Creb3l2	<a href="#">208647</a>	0.836029	2.63949	0.00005	0.000323529	YES
Cep164	<a href="#">214552</a>	0.834254	2.40408	0.00015	0.000880082	YES
Stk3	<a href="#">56274</a>	0.834165	2.23965	0.00025	0.00138761	YES
Mpp1	<a href="#">17524</a>	0.833982	1.85131	0.0036	0.0139684	YES
Cenpt	<a href="#">320394</a>	0.833789	1.87348	0.0052	0.0191112	YES
Sik1	<a href="#">17691</a>	0.832954	2.91781	0.00005	0.000323529	YES
1700037C18Rik	<a href="#">73261</a>	0.831911	1.70055	0.0133	0.0419509	YES
Actc1	<a href="#">11464</a>	0.831827	2.47608	0.0003	0.00163174	YES
Gpnmb	<a href="#">93695</a>	0.831605	2.3234	0.00035	0.00186438	YES
Megf8	<a href="#">269878</a>	0.829147	4.01997	0.00005	0.000323529	YES
Il17d	<a href="#">239114</a>	0.829102	2.10631	0.00995	0.0329363	YES
B230398E01Rik	<a href="#">109334</a>	0.828012	2.20971	0.0002	0.0011411	YES
Lamc2	<a href="#">16782</a>	0.826406	1.52273	0.0119	0.0382795	YES
Pax7	<a href="#">18509</a>	0.826092	2.28894	0.0004	0.00210083	YES
Hmgm3	<a href="#">94353</a>	0.825823	1.80156	0.0015	0.00658526	YES
Wdr19	<a href="#">213081</a>	0.825371	1.73258	0.006	0.0215283	YES
Mlec	<a href="#">109154</a>	0.82424	3.88378	0.00005	0.000323529	YES
1110012J17Rik	<a href="#">68617</a>	0.823936	2.0159	0.00095	0.00445144	YES
Peg13	<a href="#">353342</a>	0.823676	2.28955	0.0005	0.00254778	YES

Magi3	<a href="#">99470</a>	0.823152	2.14292	0.0001	0.000610637	YES
Zfp354c	<a href="#">30944</a>	0.822898	2.31666	0.00015	0.000880082	YES
A430107O13Rik	<a href="#">214642</a>	0.822087	2.75336	0.00005	0.000323529	YES
Bcar1	<a href="#">12927</a>	0.822058	3.12545	0.00005	0.000323529	YES
Gramd4	<a href="#">223752</a>	0.821304	3.2391	0.00005	0.000323529	YES
Ppp1r3b	<a href="#">244416</a>	0.821242	1.52419	0.0151	0.0465914	YES
Bag2	<a href="#">213539</a>	0.820883	3.70154	0.00005	0.000323529	YES
Lrrc8d	<a href="#">231549</a>	0.819978	2.21774	0.0006	0.0029726	YES
Pgap3	<a href="#">320655</a>	0.819329	2.0146	0.0045	0.0168978	YES
Prkaa1	<a href="#">105787</a>	0.817252	2.12828	0.00185	0.00789701	YES
Cys1	<a href="#">12879</a>	0.817169	1.89561	0.0032	0.0126314	YES
Agphd1	<a href="#">235386</a>	0.817044	1.78215	0.00825	0.0281502	YES
Strada	<a href="#">72149</a>	0.816611	3.22663	0.00005	0.000323529	YES
Tlr4	<a href="#">21898</a>	0.814472	1.85449	0.0047	0.0175317	YES
Arhgap32	<a href="#">330914</a>	0.813921	2.35503	0.00005	0.000323529	YES
Gpr124	<a href="#">78560</a>	0.813734	2.93762	0.00005	0.000323529	YES
Sfxn3	<a href="#">94280</a>	0.81297	3.44007	0.00005	0.000323529	YES
Pygl	<a href="#">110095</a>	0.812727	2.10742	0.0007	0.00340476	YES
Morn4	<a href="#">226123</a>	0.812285	3.17148	0.00005	0.000323529	YES
Dpp3	<a href="#">75221</a>	0.812184	3.76213	0.00005	0.000323529	YES
Musk	<a href="#">18198</a>	0.812159	3.17269	0.00005	0.000323529	YES
Mafa	<a href="#">378435</a>	0.812043	4.26556	0.00005	0.000323529	YES
Slit1	<a href="#">20562</a>	0.810405	2.04791	0.00115	0.00525399	YES
Chst12	<a href="#">59031</a>	0.810359	2.43367	0.0008	0.00383425	YES
Ccnd2	<a href="#">12444</a>	0.809669	3.14236	0.00005	0.000323529	YES
S100a10	<a href="#">20194</a>	0.809085	4.75748	0.00005	0.000323529	YES
Me2	<a href="#">107029</a>	0.809053	2.43281	0.00035	0.00186438	YES
Vangl1	<a href="#">229658</a>	0.806638	1.9222	0.0031	0.0122829	YES
Rgmb	<a href="#">68799</a>	0.806224	3.88129	0.00005	0.000323529	YES
4930444A02Rik	<a href="#">74653</a>	0.806209	2.70198	0.00005	0.000323529	YES
Rnd1	<a href="#">223881</a>	0.806059	1.6132	0.01365	0.0428743	YES
Scpep1	<a href="#">74617</a>	0.80578	2.28394	0.0004	0.00210083	YES
Grn	<a href="#">14824</a>	0.805465	3.82667	0.00005	0.000323529	YES
Cachd1	<a href="#">320508</a>	0.805405	2.02115	0.00145	0.0063961	YES
Heph1	<a href="#">244698</a>	0.805378	1.55196	0.0109	0.0355794	YES
Mapk7	<a href="#">23939</a>	0.804589	2.75204	0.00005	0.000323529	YES
Akr1b8	<a href="#">14187</a>	0.804382	2.0679	0.0018	0.00770449	YES
Fam73a	<a href="#">215708</a>	0.804343	3.02455	0.00005	0.000323529	YES
Atp8a1	<a href="#">11980</a>	0.803796	3.18671	0.00005	0.000323529	YES
Acot2	<a href="#">171210</a>	0.802748	3.29183	0.00005	0.000323529	YES
Samd14	<a href="#">217125</a>	0.802696	1.98201	0.0024	0.00982613	YES
Uxs1	<a href="#">67883</a>	0.80251	3.06351	0.00005	0.000323529	YES
Rab31	<a href="#">106572</a>	0.802395	2.74261	0.00005	0.000323529	YES
Spon2	<a href="#">100689</a>	0.801963	1.93055	0.0027	0.0108761	YES
Sema4a	<a href="#">20351</a>	0.801935	1.98773	0.00145	0.0063961	YES
Epb4.1I4b	<a href="#">54357</a>	0.801798	2.13955	0.0008	0.00383425	YES
Gab2	<a href="#">14389</a>	0.801455	2.56577	0.00005	0.000323529	YES

BC057079	<a href="#">230393</a>	0.801376	3.41617	0.00005	0.000323529	YES
Gdi1	<a href="#">14567</a>	0.800837	3.93888	0.00005	0.000323529	YES
F2r	<a href="#">14062</a>	0.80046	2.54886	0.0001	0.000610637	YES
Fbxo44	<a href="#">230903</a>	0.799482	2.33821	0.0003	0.00163174	YES
Tmem129	<a href="#">68366</a>	0.799246	3.18708	0.00005	0.000323529	YES
Cdkl2	<a href="#">53886</a>	0.797797	2.76941	0.00005	0.000323529	YES
Nmi	<a href="#">64685</a>	0.79736	2.33752	0.00005	0.000323529	YES
Arl15	<a href="#">218639</a>	0.797052	2.25334	0.0015	0.00658526	YES
Lama2	<a href="#">16773</a>	0.79682	3.31651	0.00005	0.000323529	YES
Ttll1	<a href="#">319953</a>	0.79498	2.52159	0.00015	0.000880082	YES
Plekh2	<a href="#">213556</a>	0.794582	1.61866	0.00795	0.0273162	YES
Spryd3	<a href="#">223918</a>	0.793896	3.1743	0.00005	0.000323529	YES
Ampd3	<a href="#">11717</a>	0.793702	2.80938	0.00005	0.000323529	YES
Ppp1r3e	<a href="#">105651</a>	0.792001	1.99471	0.00565	0.0204591	YES
Pip4k2a	<a href="#">18718</a>	0.790983	2.43819	0.0002	0.0011411	YES
Fam171a2	<a href="#">217219</a>	0.790572	2.0995	0.00375	0.014433	YES
Lysmd2	<a href="#">70082</a>	0.790282	2.73584	0.0005	0.00254778	YES
Iqsec3	<a href="#">243621</a>	0.789649	1.59827	0.01055	0.0346309	YES
Tbcel	<a href="#">272589</a>	0.788984	3.47753	0.00005	0.000323529	YES
Tacc3	<a href="#">21335</a>	0.788639	1.89775	0.00295	0.0117537	YES
Zfp641	<a href="#">239652</a>	0.788089	2.90699	0.00005	0.000323529	YES
Tmem20	<a href="#">240660</a>	0.786672	1.93122	0.00535	0.0195574	YES
Gpr137	<a href="#">107173</a>	0.785677	2.50111	0.00125	0.00562912	YES
Crlf2	<a href="#">57914</a>	0.785169	2.33599	0.0007	0.00340476	YES
Shkbp1	<a href="#">192192</a>	0.78505	3.04398	0.00005	0.000323529	YES
Id2	<a href="#">15902</a>	0.785023	2.7052	0.0002	0.0011411	YES
Pias3	<a href="#">229615</a>	0.784666	2.9217	0.00005	0.000323529	YES
Pla2g7	<a href="#">27226</a>	0.784306	2.20582	0.00115	0.00525399	YES
Src	<a href="#">20779</a>	0.783444	1.97521	0.002	0.00841627	YES
Cfl1	<a href="#">12631</a>	0.782843	4.1542	0.00005	0.000323529	YES
Zfp938	<a href="#">237411</a>	0.782717	2.59531	0.00025	0.00138761	YES
Snap47	<a href="#">67826</a>	0.782665	3.54218	0.00005	0.000323529	YES
Dsel	<a href="#">319901</a>	0.781813	2.02138	0.0015	0.00658526	YES
Dync2li1	<a href="#">213575</a>	0.781306	2.08067	0.0023	0.00946104	YES
Rpl3	<a href="#">27367</a>	0.780951	3.38056	0.00005	0.000323529	YES
Prkag2	<a href="#">108099</a>	0.779835	3.52904	0.00005	0.000323529	YES
Snx7	<a href="#">76561</a>	0.779169	2.12664	0.0008	0.00383425	YES
A530058N18Rik	<a href="#">320846</a>	0.778836	2.56133	0.00005	0.000323529	YES
Zfp827	<a href="#">622675</a>	0.778767	2.23943	0.0003	0.00163174	YES
Snhg5	<a href="#">72655</a>	0.777961	2.3365	0.0001	0.000610637	YES
Auts2	<a href="#">319974</a>	0.777924	1.73257	0.004	0.0152681	YES
Bbx	<a href="#">70508</a>	0.777251	2.85146	0.00005	0.000323529	YES
Armc5	<a href="#">233912</a>	0.776756	2.7647	0.00005	0.000323529	YES
Hsp90aa1	<a href="#">15519</a>	0.776359	3.37397	0.00005	0.000323529	YES
Creld1	<a href="#">171508</a>	0.776218	3.90985	0.00005	0.000323529	YES
Mblac2	<a href="#">72852</a>	0.775951	1.80441	0.0058	0.0209252	YES
Ssbp4	<a href="#">76900</a>	0.775702	3.56071	0.00005	0.000323529	YES

Setd4	<a href="#">224440</a>	0.7753	1.77568	0.00925	0.0309317	YES
P2rx4	<a href="#">18438</a>	0.774314	2.68181	0.0003	0.00163174	YES
Pik3r2	<a href="#">18709</a>	0.774265	3.47125	0.00005	0.000323529	YES
Inpp4a	<a href="#">269180</a>	0.773936	2.6846	0.00005	0.000323529	YES
Nagk	<a href="#">56174</a>	0.77366	2.59247	0.00005	0.000323529	YES
Cpt1c	<a href="#">78070</a>	0.773333	1.8001	0.0046	0.0172322	YES
Gtpbp6	<a href="#">107999</a>	0.772849	2.85067	0.00005	0.000323529	YES
Slc39a7	<a href="#">14977</a>	0.768545	2.06038	0.00055	0.00276141	YES
Zfp61	<a href="#">22719</a>	0.768386	1.79628	0.004	0.0152681	YES
Atrx	<a href="#">22589</a>	0.767242	3.09777	0.00005	0.000323529	YES
Mfsd10	<a href="#">68294</a>	0.765982	2.5707	0.00075	0.00362109	YES
Eef1a1	<a href="#">13627</a>	0.765195	3.31714	0.00005	0.000323529	YES
Tmem62	<a href="#">96957</a>	0.763795	2.04522	0.00175	0.00752117	YES
Sgce	<a href="#">20392</a>	0.763677	2.59491	0.00005	0.000323529	YES
Erich1	<a href="#">234086</a>	0.76318	1.67144	0.01095	0.035676	YES
Cfh	<a href="#">12628</a>	0.763098	2.5785	0.00005	0.000323529	YES
Rabgap1l	<a href="#">29809</a>	0.761119	2.34053	0.00025	0.00138761	YES
Usp35	<a href="#">244144</a>	0.760708	1.72128	0.0062	0.0221348	YES
Bend5	<a href="#">67621</a>	0.760643	1.57934	0.0052	0.0191112	YES
Zmat3	<a href="#">22401</a>	0.760359	2.71192	0.00005	0.000323529	YES
Hist2h2be	<a href="#">319190</a>	0.759682	2.60574	0.00025	0.00138761	YES
Ttll12	<a href="#">223723</a>	0.759527	2.90398	0.00005	0.000323529	YES
Ttf2	<a href="#">74044</a>	0.758844	2.26364	0.00015	0.000880082	YES
Angel1	<a href="#">68737</a>	0.758639	2.4183	0.00005	0.000323529	YES
Arap1	<a href="#">69710</a>	0.75662	2.84545	0.00005	0.000323529	YES
Zcchc24	<a href="#">71918</a>	0.755815	3.66097	0.00005	0.000323529	YES
Plcd1	<a href="#">18799</a>	0.755661	2.99218	0.00005	0.000323529	YES
Tmed3	<a href="#">66111</a>	0.755647	3.36406	0.00005	0.000323529	YES
Zyx	<a href="#">22793</a>	0.75537	3.557	0.00005	0.000323529	YES
Igf1r	<a href="#">16001</a>	0.754808	3.22218	0.00005	0.000323529	YES
Amotl2	<a href="#">56332</a>	0.754141	3.1601	0.00005	0.000323529	YES
Psip1	<a href="#">101739</a>	0.753608	2.60949	0.00005	0.000323529	YES
Pcp4l1	<a href="#">66425</a>	0.752068	3.06609	0.00005	0.000323529	YES
Kank1	<a href="#">107351</a>	0.751202	3.15125	0.00005	0.000323529	YES
Crim1	<a href="#">50766</a>	0.750221	2.9653	0.00005	0.000323529	YES
Fabp3	<a href="#">14077</a>	0.748542	4.29963	0.00005	0.000323529	YES
Mustn1	<a href="#">66175</a>	0.748332	3.896	0.00005	0.000323529	YES
Galnt11	<a href="#">231050</a>	0.747386	3.10994	0.00005	0.000323529	YES
Alg9	<a href="#">102580</a>	0.746196	2.66385	0.00005	0.000323529	YES
Ctsh	<a href="#">13036</a>	0.746161	2.53987	0.0002	0.0011411	YES
2410022L05Rik	<a href="#">66423</a>	0.745326	2.98164	0.00015	0.000880082	YES
Ctnn	<a href="#">13043</a>	0.745286	3.27017	0.00005	0.000323529	YES
Myo1e	<a href="#">71602</a>	0.74357	2.60896	0.00005	0.000323529	YES
Mtap	<a href="#">66902</a>	0.743553	2.53922	0.00015	0.000880082	YES
Lman2l	<a href="#">214895</a>	0.743379	3.19841	0.00005	0.000323529	YES
Insig1	<a href="#">231070</a>	0.742798	3.03518	0.00005	0.000323529	YES
B3gnt2	<a href="#">53625</a>	0.738703	2.61293	0.0001	0.000610637	YES

Dgka	<a href="#">13139</a>	0.737626	2.8217	0.00005	0.000323529	YES
Plin3	<a href="#">66905</a>	0.737177	3.19302	0.00005	0.000323529	YES
Rbms3	<a href="#">207181</a>	0.736144	1.60587	0.01065	0.0349009	YES
Ezr	<a href="#">22350</a>	0.735083	2.92278	0.00005	0.000323529	YES
Rab4b	<a href="#">19342</a>	0.734916	2.4475	0.0001	0.000610637	YES
Pip5k1c	<a href="#">18717</a>	0.734374	3.10803	0.00005	0.000323529	YES
Reep1	<a href="#">52250</a>	0.732373	3.48838	0.00005	0.000323529	YES
Qpctl	<a href="#">67369</a>	0.732312	1.91592	0.0047	0.0175317	YES
Fam120c	<a href="#">207375</a>	0.732202	3.09106	0.00005	0.000323529	YES
Athl1	<a href="#">212974</a>	0.731686	2.32458	0.0006	0.0029726	YES
Ptger1	<a href="#">19216</a>	0.730946	1.86541	0.01065	0.0349009	YES
Spg21	<a href="#">27965</a>	0.73085	3.04817	0.00005	0.000323529	YES
Atxn10	<a href="#">54138</a>	0.730297	3.51182	0.00005	0.000323529	YES
Lrrk1	<a href="#">233328</a>	0.730112	2.23481	0.0004	0.00210083	YES
Tep1	<a href="#">21745</a>	0.729751	2.8535	0.00005	0.000323529	YES
Fbxo10	<a href="#">269529</a>	0.729146	2.19749	0.00085	0.00404799	YES
Wdr47	<a href="#">99512</a>	0.728469	2.53139	0.0002	0.0011411	YES
Mpp2	<a href="#">50997</a>	0.728425	1.96927	0.0022	0.00912365	YES
Pop7	<a href="#">74097</a>	0.727022	2.63972	0.00085	0.00404799	YES
Man2c1	<a href="#">73744</a>	0.726512	2.31758	0.00015	0.000880082	YES
Poli	<a href="#">26447</a>	0.726157	1.48181	0.01075	0.0351847	YES
Hsd17b7	<a href="#">15490</a>	0.724867	1.90614	0.00465	0.0173781	YES
Accs	<a href="#">329470</a>	0.724338	1.95599	0.00345	0.0134594	YES
Cds2	<a href="#">110911</a>	0.723765	3.52427	0.00005	0.000323529	YES
Tfpi	<a href="#">21788</a>	0.723161	1.69953	0.0027	0.0108761	YES
Rbpms	<a href="#">19663</a>	0.722287	2.71488	0.00015	0.000880082	YES
Fam115c	<a href="#">232748</a>	0.722139	1.64453	0.00875	0.0294475	YES
Foxo3	<a href="#">56484</a>	0.721512	2.38824	0.0005	0.00254778	YES
Malt1	<a href="#">240354</a>	0.72126	2.10458	0.001	0.00465385	YES
Mical2	<a href="#">320878</a>	0.721244	1.95028	0.0011	0.0050638	YES
Chpf2	<a href="#">100910</a>	0.720748	2.83811	0.00005	0.000323529	YES
Hsd17b12	<a href="#">56348</a>	0.720357	2.61256	0.00015	0.000880082	YES
Rian	<a href="#">75745</a>	0.718072	1.50093	0.0115	0.0372059	YES
Tns1	<a href="#">21961</a>	0.716752	3.28586	0.00005	0.000323529	YES
Fcgrt	<a href="#">14132</a>	0.716258	3.60747	0.00005	0.000323529	YES
Ninj1	<a href="#">18081</a>	0.71598	3.22127	0.00005	0.000323529	YES
Pgd	<a href="#">110208</a>	0.715738	3.19425	0.00005	0.000323529	YES
Adamts15	<a href="#">235130</a>	0.715734	1.91167	0.002	0.00841627	YES
Pvr	<a href="#">52118</a>	0.715733	2.58995	0.00005	0.000323529	YES
Papss1	<a href="#">23971</a>	0.71542	2.73031	0.00005	0.000323529	YES
Trim16	<a href="#">94092</a>	0.714602	3.29774	0.00005	0.000323529	YES
Jund	<a href="#">16478</a>	0.714441	3.52933	0.00005	0.000323529	YES
Clip3	<a href="#">76686</a>	0.714261	1.76481	0.0043	0.016275	YES
Acot9	<a href="#">56360</a>	0.713849	3.23674	0.00005	0.000323529	YES
Fn1	<a href="#">14268</a>	0.712685	3.13687	0.00005	0.000323529	YES
Trmt2b	<a href="#">215201</a>	0.712238	2.69039	0.00005	0.000323529	YES
Tmem180	<a href="#">75146</a>	0.711522	1.8545	0.00995	0.0329363	YES

Nudt16	<a href="#">75686</a>	0.711327	2.71115	0.0001	0.000610637	YES
Cgref1	<a href="#">68567</a>	0.71106	1.33533	0.0127	0.0403333	YES
Inha	<a href="#">16322</a>	0.710855	2.13477	0.0033	0.0129643	YES
Ano8	<a href="#">382014</a>	0.709791	2.13691	0.00065	0.00319117	YES
Dusp3	<a href="#">72349</a>	0.70915	3.26307	0.00005	0.000323529	YES
Cyb561d2	<a href="#">56368</a>	0.708281	1.75308	0.01085	0.0354456	YES
Elov1	<a href="#">54325</a>	0.70705	2.65914	0.00025	0.00138761	YES
Lrrc14	<a href="#">223664</a>	0.706583	2.77824	0.00005	0.000323529	YES
Gusb	<a href="#">110006</a>	0.706203	2.53426	0.00005	0.000323529	YES
Tle3	<a href="#">21887</a>	0.706078	2.4285	0.00005	0.000323529	YES
Dnmbp	<a href="#">71972</a>	0.705484	2.70402	0.00005	0.000323529	YES
Hsf4	<a href="#">26386</a>	0.705248	2.40394	0.0001	0.000610637	YES
Perp	<a href="#">64058</a>	0.70463	1.95865	0.0048	0.0178539	YES
Armcx4	<a href="#">100503043</a>	0.704441	2.36506	0.00005	0.000323529	YES
Loxl1	<a href="#">16949</a>	0.704337	2.83318	0.00005	0.000323529	YES
Ppp1r12a	<a href="#">17931</a>	0.703741	2.88738	0.00005	0.000323529	YES
Mt2	<a href="#">17750</a>	0.703324	4.72865	0.00005	0.000323529	YES
Sumf1	<a href="#">58911</a>	0.703183	2.79694	0.00005	0.000323529	YES
Casp9	<a href="#">12371</a>	0.702645	2.32793	0.0002	0.0011411	YES
Pisd-ps2	<a href="#">328734</a>	0.70194	1.74778	0.0115	0.0372059	YES
Col12a1	<a href="#">12816</a>	0.700958	1.84477	0.00165	0.00715394	YES
Dhrs7	<a href="#">66375</a>	0.70055	2.97905	0.0001	0.000610637	YES
Larp7	<a href="#">28036</a>	0.700042	2.39994	0.00005	0.000323529	YES
Gadd45g	<a href="#">23882</a>	0.699723	3.64305	0.00005	0.000323529	YES
Agtrap	<a href="#">11610</a>	0.69915	2.85442	0.00005	0.000323529	YES
Nhej1	<a href="#">75570</a>	0.699075	2.23808	0.0023	0.00946104	YES
Asb15	<a href="#">78910</a>	0.69878	3.26316	0.00005	0.000323529	YES
Tspan15	<a href="#">70423</a>	0.69815	3.04979	0.00005	0.000323529	YES
Mum11	<a href="#">245631</a>	0.697403	2.26294	0.0003	0.00163174	YES
Fas	<a href="#">14102</a>	0.696974	1.49768	0.007	0.0245617	YES
Meis3	<a href="#">17537</a>	0.696351	1.56265	0.01455	0.0451958	YES
Cryl1	<a href="#">68631</a>	0.69592	2.07523	0.0028	0.0112271	YES
Serpинb9	<a href="#">20723</a>	0.694868	2.35097	0.0002	0.0011411	YES
Eif2ak2	<a href="#">19106</a>	0.69465	2.23262	0.00015	0.000880082	YES
Mthfd2	<a href="#">17768</a>	0.694446	1.66454	0.012	0.0384753	YES
Trp53bp1	<a href="#">27223</a>	0.694356	2.64939	0.00005	0.000323529	YES
Edem2	<a href="#">108687</a>	0.692743	2.55881	0.0004	0.00210083	YES
Ccbl2	<a href="#">229905</a>	0.692644	2.27005	0.00065	0.00319117	YES
Kptn	<a href="#">70394</a>	0.692248	2.97218	0.00005	0.000323529	YES
Ccnd1	<a href="#">12443</a>	0.692072	2.58022	0.00005	0.000323529	YES
Crip2	<a href="#">68337</a>	0.691559	3.76229	0.00005	0.000323529	YES
Rpp40	<a href="#">208366</a>	0.689652	1.96388	0.00275	0.0110605	YES
Ppp1r15a	<a href="#">17872</a>	0.689581	2.56189	0.00005	0.000323529	YES
Sgsm2	<a href="#">97761</a>	0.687908	2.50268	0.00005	0.000323529	YES
Eya4	<a href="#">14051</a>	0.686918	2.9029	0.00005	0.000323529	YES
Gfra1	<a href="#">14585</a>	0.686621	1.59937	0.01135	0.036766	YES
Mpdz	<a href="#">17475</a>	0.685998	3.03425	0.00005	0.000323529	YES

Tcn2	<a href="#">21452</a>	0.685893	2.83669	0.00005	0.000323529	YES
Ppp1r3d	<a href="#">228966</a>	0.685515	1.84908	0.0072	0.0251512	YES
Pdpn	<a href="#">14726</a>	0.684329	2.14618	0.00115	0.00525399	YES
Tet2	<a href="#">214133</a>	0.684072	2.8441	0.00005	0.000323529	YES
Irgm2	<a href="#">54396</a>	0.683914	2.83004	0.00005	0.000323529	YES
Crtc1	<a href="#">382056</a>	0.683905	2.9416	0.00005	0.000323529	YES
Fndc3b	<a href="#">72007</a>	0.682655	2.50132	0.00005	0.000323529	YES
Vasp	<a href="#">22323</a>	0.681846	2.98968	0.00005	0.000323529	YES
Tet1	<a href="#">52463</a>	0.680868	1.97479	0.00155	0.00678017	YES
Ift81	<a href="#">12589</a>	0.680513	1.58548	0.00755	0.0261704	YES
Paqr7	<a href="#">71904</a>	0.680072	2.67127	0.00025	0.00138761	YES
Slc27a4	<a href="#">26569</a>	0.679628	2.76774	0.00005	0.000323529	YES
Scarf2	<a href="#">224024</a>	0.679372	2.71847	0.00025	0.00138761	YES
Cdkn1a	<a href="#">12575</a>	0.679237	2.65174	0.00005	0.000323529	YES
Rdh11	<a href="#">17252</a>	0.678512	1.7818	0.00845	0.0286339	YES
Myl6	<a href="#">17904</a>	0.678437	4.22644	0.00005	0.000323529	YES
Nme1	<a href="#">18102</a>	0.677696	3.0852	0.00005	0.000323529	YES
Pbxip1	<a href="#">229534</a>	0.676809	2.90305	0.00005	0.000323529	YES
Selenbp1	<a href="#">20341</a>	0.676754	2.76623	0.00005	0.000323529	YES
Ispd	<a href="#">75847</a>	0.676707	1.91387	0.00435	0.0164445	YES
Gnai1	<a href="#">14677</a>	0.676151	1.98542	0.00195	0.00825222	YES
Gm6548	<a href="#">625054</a>	0.676133	2.06124	0.0012	0.00544762	YES
Cyp26b1	<a href="#">232174</a>	0.675719	1.76244	0.00465	0.0173781	YES
Zfhx3	<a href="#">11906</a>	0.675518	1.65692	0.0076	0.026309	YES
Sec22b	<a href="#">20333</a>	0.675063	3.06151	0.00005	0.000323529	YES
Antxr2	<a href="#">71914</a>	0.674652	2.50691	0.00005	0.000323529	YES
Hdac6	<a href="#">15185</a>	0.674635	2.53946	0.00005	0.000323529	YES
Slco2a1	<a href="#">24059</a>	0.674621	1.81203	0.00535	0.0195574	YES
Tnrc6c	<a href="#">217351</a>	0.674382	2.90809	0.00005	0.000323529	YES
Ifnar2	<a href="#">15976</a>	0.674175	1.87997	0.00135	0.00601572	YES
Dnmt1	<a href="#">13433</a>	0.673777	2.40064	0.00005	0.000323529	YES
Mast3	<a href="#">546071</a>	0.67366	2.1204	0.0011	0.0050638	YES
Fam173a	<a href="#">214917</a>	0.672805	2.86045	0.00005	0.000323529	YES
Sestd1	<a href="#">228071</a>	0.672131	2.42654	0.00015	0.000880082	YES
Cmtm7	<a href="#">102545</a>	0.671786	2.44164	0.00255	0.0103674	YES
Plekhb1	<a href="#">27276</a>	0.67157	3.15227	0.00005	0.000323529	YES
Ddhd1	<a href="#">114874</a>	0.670121	2.10312	0.0006	0.0029726	YES
Brd9	<a href="#">105246</a>	0.670094	2.65575	0.00005	0.000323529	YES
Srpx2	<a href="#">68792</a>	0.668145	1.44811	0.01305	0.0413031	YES
Dip2c	<a href="#">208440</a>	0.667878	2.66538	0.00005	0.000323529	YES
Ppp1r26	<a href="#">241289</a>	0.667126	1.64674	0.0043	0.016275	YES
C330006A16Rik	<a href="#">109299</a>	0.664917	2.08574	0.00395	0.0151103	YES
Hltf	<a href="#">20585</a>	0.66453	1.9581	0.001	0.00465385	YES
Tmx4	<a href="#">52837</a>	0.664477	2.55759	0.0001	0.000610637	YES
Stambp	<a href="#">70527</a>	0.664358	2.50233	0.0002	0.0011411	YES
Prkcsh	<a href="#">19089</a>	0.664179	2.72474	0.00005	0.000323529	YES
Gfpt1	<a href="#">14583</a>	0.664171	2.92516	0.00005	0.000323529	YES

Supt3h	<a href="#">109115</a>	0.663507	1.82862	0.00095	0.00445144	YES
Ankmy2	<a href="#">217473</a>	0.662914	2.37851	0.00005	0.000323529	YES
F420014N23Rik	<a href="#">100038591</a>	0.662899	1.68572	0.00545	0.0198492	YES
Eif2ak3	<a href="#">13666</a>	0.662477	2.10891	0.00055	0.00276141	YES
Sepn1	<a href="#">74777</a>	0.661732	2.29443	0.0005	0.00254778	YES
Gga2	<a href="#">74105</a>	0.661124	2.73733	0.00005	0.000323529	YES
St8sia5	<a href="#">225742</a>	0.660489	1.58838	0.00945	0.03152	YES
Ocel1	<a href="#">77090</a>	0.660472	1.74941	0.0101	0.0333697	YES
Rab23	<a href="#">19335</a>	0.660045	2.13464	0.0005	0.00254778	YES
Twist1	<a href="#">22160</a>	0.659621	1.72788	0.01595	0.0487456	YES
Fbln1	<a href="#">14114</a>	0.659209	2.32717	0.0008	0.00383425	YES
Prosapip1	<a href="#">241638</a>	0.658726	1.88841	0.00325	0.012803	YES
Ttl	<a href="#">69737</a>	0.658173	2.75865	0.00005	0.000323529	YES
Plod3	<a href="#">26433</a>	0.65806	1.72108	0.00735	0.0255956	YES
Rassf3	<a href="#">192678</a>	0.657939	3.20858	0.00005	0.000323529	YES
Jkamp	<a href="#">104771</a>	0.657799	2.72252	0.0001	0.000610637	YES
B2m	<a href="#">12010</a>	0.657314	2.95761	0.00005	0.000323529	YES
Cmas	<a href="#">12764</a>	0.657156	3.05382	0.00005	0.000323529	YES
Cxx1b	<a href="#">553127</a>	0.656365	2.81641	0.00025	0.00138761	YES
Aldh7a1	<a href="#">110695</a>	0.656244	2.40413	0.0002	0.0011411	YES
Mapt	<a href="#">17762</a>	0.656127	2.84196	0.00005	0.000323529	YES
Cdh1	<a href="#">12550</a>	0.654605	1.57029	0.01075	0.0351847	YES
Hace1	<a href="#">209462</a>	0.653801	1.96984	0.00205	0.00859219	YES
Mthfsd	<a href="#">234814</a>	0.653598	2.00301	0.00065	0.00319117	YES
Ppp1r12c	<a href="#">232807</a>	0.652862	2.96455	0.00005	0.000323529	YES
Creb3l1	<a href="#">26427</a>	0.652814	1.57648	0.012	0.0384753	YES
Fam20c	<a href="#">80752</a>	0.652777	2.42189	0.00035	0.00186438	YES
Fam134a	<a href="#">227298</a>	0.652105	2.80699	0.00005	0.000323529	YES
Lysmd4	<a href="#">75099</a>	0.65037	2.53244	0.00005	0.000323529	YES
Ifi30	<a href="#">65972</a>	0.650057	2.60337	0.0004	0.00210083	YES
Dhps	<a href="#">330817</a>	0.649949	2.26843	0.0013	0.00582759	YES
Nptn	<a href="#">20320</a>	0.649356	3.34081	0.00005	0.000323529	YES
Mdp1	<a href="#">67881</a>	0.649124	2.55764	0.00005	0.000323529	YES
Cdc42ep4	<a href="#">56699</a>	0.649007	2.23983	0.0001	0.000610637	YES
Eda2r	<a href="#">245527</a>	0.648229	2.60697	0.00005	0.000323529	YES
Cdkn2c	<a href="#">12580</a>	0.648027	2.80968	0.00015	0.000880082	YES
Nsf	<a href="#">18195</a>	0.647565	2.61132	0.00005	0.000323529	YES
Tcta	<a href="#">102791</a>	0.647226	3.36933	0.00005	0.000323529	YES
Kif3a	<a href="#">16568</a>	0.646981	2.22838	0.00025	0.00138761	YES
Tsen34	<a href="#">66078</a>	0.646508	2.86541	0.00005	0.000323529	YES
Fam114a1	<a href="#">68303</a>	0.646323	2.01065	0.0003	0.00163174	YES
Pth1r	<a href="#">19228</a>	0.646203	1.96139	0.0014	0.00620513	YES
Tmem205	<a href="#">235043</a>	0.645294	3.01866	0.00015	0.000880082	YES
Mical3	<a href="#">194401</a>	0.645132	2.47126	0.0001	0.000610637	YES
1810048J11Rik	<a href="#">67708</a>	0.644021	2.34005	0.00055	0.00276141	YES
Ptpdc1	<a href="#">218232</a>	0.643391	2.17199	0.0005	0.00254778	YES
Cyr61	<a href="#">16007</a>	0.643042	2.51975	0.00005	0.000323529	YES

Pisd-ps1	<a href="#">236604</a>	0.642614	2.40771	0.00025	0.00138761	YES
Srxn1	<a href="#">76650</a>	0.64157	2.83786	0.00005	0.000323529	YES
Cenpb	<a href="#">12616</a>	0.64033	1.9314	0.0006	0.0029726	YES
Tmem164	<a href="#">209497</a>	0.640136	1.90794	0.00195	0.00825222	YES
Plekhm3	<a href="#">241075</a>	0.640115	2.0947	0.00115	0.00525399	YES
Dcxr	<a href="#">67880</a>	0.639937	2.13177	0.0045	0.0168978	YES
Bmpr2	<a href="#">12168</a>	0.639755	2.12381	0.00025	0.00138761	YES
B3galtl	<a href="#">381694</a>	0.639265	1.72935	0.0069	0.0242812	YES
BC005537	<a href="#">79555</a>	0.638149	3.32041	0.00005	0.000323529	YES
Rhoj	<a href="#">80837</a>	0.638148	2.64624	0.00005	0.000323529	YES
Fst	<a href="#">14313</a>	0.636974	2.09249	0.00135	0.00601572	YES
Rundc1	<a href="#">217201</a>	0.636928	1.6315	0.0067	0.0236462	YES
Smpd2	<a href="#">20598</a>	0.636471	2.5951	0.0002	0.0011411	YES
Pdia3	<a href="#">14827</a>	0.636026	2.9935	0.00005	0.000323529	YES
Glg1	<a href="#">20340</a>	0.63593	2.60071	0.00005	0.000323529	YES
BC088983	<a href="#">382010</a>	0.635855	2.22784	0.00085	0.00404799	YES
Lpp	<a href="#">210126</a>	0.634555	2.47158	0.0001	0.000610637	YES
Rps6ka4	<a href="#">56613</a>	0.633544	2.59488	0.00005	0.000323529	YES
Susd2	<a href="#">71733</a>	0.633526	1.65892	0.00545	0.0198492	YES
Spats2	<a href="#">72572</a>	0.632665	1.75206	0.00595	0.021383	YES
Sec61a1	<a href="#">53421</a>	0.632353	2.94839	0.00005	0.000323529	YES
Cdc42bpg	<a href="#">240505</a>	0.631967	2.72144	0.00005	0.000323529	YES
Atp6v1g1	<a href="#">66290</a>	0.631693	3.54682	0.00005	0.000323529	YES
Pmm1	<a href="#">29858</a>	0.629602	2.92668	0.00005	0.000323529	YES
Slc9a1	<a href="#">20544</a>	0.629542	2.64591	0.00005	0.000323529	YES
Acot11	<a href="#">329910</a>	0.629489	2.11834	0.0003	0.00163174	YES
Casd1	<a href="#">213819</a>	0.628935	3.02917	0.00005	0.000323529	YES
Col1a1	<a href="#">12842</a>	0.628863	3.03758	0.00005	0.000323529	YES
Atf6	<a href="#">226641</a>	0.627869	2.83111	0.00005	0.000323529	YES
Fzd1	<a href="#">14362</a>	0.627738	1.9092	0.005	0.0184972	YES
As3mt	<a href="#">57344</a>	0.627648	2.91824	0.00005	0.000323529	YES
Copg	<a href="#">54161</a>	0.627195	2.30949	0.0002	0.0011411	YES
Sft2d1	<a href="#">106489</a>	0.627192	2.60559	0.00135	0.00601572	YES
Bche	<a href="#">12038</a>	0.627156	2.37774	0.00015	0.000880082	YES
A230005M16Rik	<a href="#">654807</a>	0.627047	1.60767	0.0161	0.0490705	YES
Cdh15	<a href="#">12555</a>	0.626763	2.68556	0.00005	0.000323529	YES
Mpnd	<a href="#">68047</a>	0.625853	2.59913	0.00005	0.000323529	YES
4930402H24Rik	<a href="#">228602</a>	0.625582	1.87512	0.00245	0.0100126	YES
Scamp1	<a href="#">107767</a>	0.625425	2.98933	0.00005	0.000323529	YES
Rusc2	<a href="#">100213</a>	0.62505	2.85454	0.00005	0.000323529	YES
Ostm1	<a href="#">14628</a>	0.624594	2.71695	0.00005	0.000323529	YES
Mmp11	<a href="#">17385</a>	0.624126	1.84249	0.0052	0.0191112	YES
Sh3pxd2b	<a href="#">268396</a>	0.623779	1.78947	0.00325	0.012803	YES
Mageh1	<a href="#">75625</a>	0.62365	1.84898	0.00805	0.0275875	YES
Nckap5l	<a href="#">380969</a>	0.622599	1.5466	0.01185	0.0381499	YES
Wdr6	<a href="#">83669</a>	0.622545	2.09269	0.00065	0.00319117	YES
Tbc1d8b	<a href="#">245638</a>	0.622033	1.9458	0.0013	0.00582759	YES

Ilvbl	<a href="#">216136</a>	0.621626	2.48204	0.0002	0.0011411	YES
Ablim2	<a href="#">231148</a>	0.620601	2.87339	0.00005	0.000323529	YES
Bloc1s3	<a href="#">232946</a>	0.619093	2.30422	0.003	0.0119378	YES
2310047M10Rik	<a href="#">71923</a>	0.618953	2.99238	0.00005	0.000323529	YES
Rasl12	<a href="#">70784</a>	0.618471	2.1107	0.00045	0.00232845	YES
Ccnd3	<a href="#">12445</a>	0.618282	2.11598	0.0029	0.0115956	YES
Tmed8	<a href="#">382620</a>	0.618213	1.68164	0.0084	0.0285321	YES
Sh3d19	<a href="#">27059</a>	0.618157	2.04917	0.0006	0.0029726	YES
Atg16l2	<a href="#">73683</a>	0.615998	2.22253	0.0006	0.0029726	YES
8430419L09Rik	<a href="#">74525</a>	0.615759	1.80705	0.00485	0.0180185	YES
Impdh1	<a href="#">23917</a>	0.615666	2.61458	0.00005	0.000323529	YES
Yipf1	<a href="#">230584</a>	0.615113	2.48003	0.0006	0.0029726	YES
Nubp1	<a href="#">26425</a>	0.614461	1.77337	0.006	0.0215283	YES
Ipo8	<a href="#">320727</a>	0.614031	2.68823	0.00005	0.000323529	YES
0610007N19Rik	<a href="#">100616095</a>	0.613933	1.48329	0.01115	0.0362151	YES
C230096C10Rik	<a href="#">230866</a>	0.613249	2.67049	0.00005	0.000323529	YES
Acox3	<a href="#">80911</a>	0.612927	2.44979	0.0001	0.000610637	YES
Mpeg1	<a href="#">17476</a>	0.612796	1.45774	0.01605	0.0489466	YES
Wsb1	<a href="#">78889</a>	0.612707	2.48849	0.00005	0.000323529	YES
Leprot	<a href="#">230514</a>	0.612558	2.81741	0.00005	0.000323529	YES
Slc24a6	<a href="#">170756</a>	0.611655	2.08916	0.00115	0.00525399	YES
Rpgrip1l	<a href="#">244585</a>	0.611337	1.50067	0.0109	0.0355794	YES
Nbl1	<a href="#">17965</a>	0.611024	2.71781	0.00005	0.000323529	YES
Tmem209	<a href="#">72649</a>	0.610124	2.33253	0.00055	0.00276141	YES
Csad	<a href="#">246277</a>	0.610038	2.35604	0.0005	0.00254778	YES
Fam108c	<a href="#">70178</a>	0.609581	1.94651	0.0078	0.0268948	YES
Leprel2	<a href="#">14789</a>	0.609275	1.95949	0.0022	0.00912365	YES
Nucb1	<a href="#">18220</a>	0.609261	2.63768	0.00005	0.000323529	YES
Wwc2	<a href="#">52357</a>	0.609255	2.50458	0.00005	0.000323529	YES
Mboat7	<a href="#">77582</a>	0.608135	2.58131	0.00025	0.00138761	YES
Nt5e	<a href="#">23959</a>	0.607779	1.92865	0.0017	0.00733233	YES
Ddr1	<a href="#">12305</a>	0.607574	2.68645	0.00005	0.000323529	YES
Klh18	<a href="#">270201</a>	0.607415	2.44689	0.0002	0.0011411	YES
Bbs2	<a href="#">67378</a>	0.606856	2.02258	0.0016	0.00697368	YES
1500010J02Rik	<a href="#">68964</a>	0.606014	2.33936	0.00015	0.000880082	YES
Uvrug	<a href="#">78610</a>	0.605781	2.25544	0.0001	0.000610637	YES
Foxp4	<a href="#">74123</a>	0.605505	2.03352	0.00075	0.00362109	YES
Gramd1b	<a href="#">235283</a>	0.605497	1.59984	0.0097	0.0322173	YES
2310022B05Rik	<a href="#">69551</a>	0.605262	2.77531	0.00005	0.000323529	YES
Cno	<a href="#">117197</a>	0.605144	2.52708	0.00095	0.00445144	YES
Slc33a1	<a href="#">11416</a>	0.605049	1.93882	0.0043	0.016275	YES
Ogdhl	<a href="#">239017</a>	0.604871	1.84132	0.00415	0.0157832	YES
Zfp324	<a href="#">243834</a>	0.604687	1.54912	0.011	0.0358166	YES
Nfatc4	<a href="#">73181</a>	0.604318	1.81093	0.00325	0.012803	YES
Gabbr1	<a href="#">54393</a>	0.603907	2.32731	0.0003	0.00163174	YES
1190002N15Rik	<a href="#">68861</a>	0.603629	2.26554	0.00085	0.00404799	YES
Bpnt1	<a href="#">23827</a>	0.60245	2.5579	0.00005	0.000323529	YES

Tmem119	<a href="#">231633</a>	0.602274	1.65227	0.01315	0.0415444	YES
Nudt1	<a href="#">17766</a>	0.602272	1.76927	0.0153	0.0471438	YES
Galnt1	<a href="#">108760</a>	0.601595	2.02753	0.00135	0.00601572	YES
Tomm40l	<a href="#">641376</a>	0.601569	2.67067	0.00005	0.000323529	YES
Ap3m2	<a href="#">64933</a>	0.600995	1.83932	0.00195	0.00825222	YES
Srebf2	<a href="#">20788</a>	0.600924	2.50335	0.0001	0.000610637	YES
Taok3	<a href="#">330177</a>	0.600583	1.4792	0.00845	0.0286339	YES
Fbxo25	<a href="#">66822</a>	0.60032	2.4871	0.00015	0.000880082	YES
Gtf3c5	<a href="#">70239</a>	0.600279	1.35955	0.01635	0.0496497	YES
Siae	<a href="#">22619</a>	0.600165	1.99612	0.0017	0.00733233	YES
Ring1	<a href="#">19763</a>	0.600156	2.61061	0.00005	0.000323529	YES
Atpif1	<a href="#">11983</a>	0.600026	3.28905	0.00015	0.000880082	YES
Clic4	<a href="#">29876</a>	0.599958	2.78639	0.00005	0.000323529	YES
Stxbp2	<a href="#">20911</a>	0.598095	2.05709	0.00095	0.00445144	YES
Klf2	<a href="#">16598</a>	0.597921	3.03452	0.00005	0.000323529	YES
Disp1	<a href="#">68897</a>	0.597444	1.92817	0.0027	0.0108761	YES
Bbs1	<a href="#">52028</a>	0.596337	1.69836	0.00565	0.0204591	YES
4930430F08Rik	<a href="#">68281</a>	0.59592	1.73005	0.00415	0.0157832	YES
Mtss1	<a href="#">211401</a>	0.595349	2.48629	0.00005	0.000323529	YES
Rock1	<a href="#">19877</a>	0.595249	2.32902	0.00005	0.000323529	YES
Thnsl2	<a href="#">232078</a>	0.59519	2.01797	0.00045	0.00232845	YES
Haus8	<a href="#">76478</a>	0.594848	1.32903	0.014	0.0438511	YES
Rhob	<a href="#">11852</a>	0.594707	3.0441	0.00005	0.000323529	YES
Stx7	<a href="#">53331</a>	0.594321	2.79724	0.00005	0.000323529	YES
Hs1bp3	<a href="#">58240</a>	0.59369	1.94182	0.00195	0.00825222	YES
Tspan33	<a href="#">232670</a>	0.593414	1.66608	0.0146	0.0453064	YES
Fuca2	<a href="#">66848</a>	0.593147	2.19825	0.00035	0.00186438	YES
Tgfb2	<a href="#">21808</a>	0.592724	2.41253	0.0002	0.0011411	YES
Cd99l2	<a href="#">171486</a>	0.592045	2.7506	0.00005	0.000323529	YES
Sfxn1	<a href="#">14057</a>	0.591775	1.55796	0.01475	0.0456727	YES
Slc37a3	<a href="#">72144</a>	0.590016	2.29221	0.0005	0.00254778	YES
Jdp2	<a href="#">81703</a>	0.589555	1.58844	0.0054	0.0197081	YES
Fbxo18	<a href="#">50755</a>	0.58944	2.59227	0.00005	0.000323529	YES
Rogdi	<a href="#">66049</a>	0.587303	2.29351	0.0009	0.00424116	YES
Scamp4	<a href="#">56214</a>	0.587165	2.23071	0.00035	0.00186438	YES
Pik3r3	<a href="#">18710</a>	0.586751	2.08877	0.00045	0.00232845	YES
Slc35e3	<a href="#">215436</a>	0.586609	2.02252	0.0036	0.0139684	YES
Asb1	<a href="#">65247</a>	0.585938	2.5375	0.00005	0.000323529	YES
Mta3	<a href="#">116871</a>	0.585883	1.69209	0.0037	0.0142754	YES
Efr3a	<a href="#">76740</a>	0.585748	2.78372	0.00005	0.000323529	YES
Flot2	<a href="#">14252</a>	0.585276	2.69814	0.00005	0.000323529	YES
Map2k3	<a href="#">26397</a>	-0.585042	-2.90984	0.00005	0.000323529	YES
Hoxc9	<a href="#">15427</a>	-0.585046	-2.56845	0.00045	0.00232845	YES
Mrpl9	<a href="#">78523</a>	-0.585248	-2.91714	0.00005	0.000323529	YES
Rai2	<a href="#">24004</a>	-0.585662	-2.31891	0.0001	0.000610637	YES
Ablim1	<a href="#">226251</a>	-0.586443	-2.52754	0.00005	0.000323529	YES
Chac2	<a href="#">68044</a>	-0.586483	-1.69706	0.00385	0.0147745	YES

Adck1	<a href="#">72113</a>	-0.587037	-2.72014	0.00005	0.000323529	YES
Zfp1	<a href="#">22640</a>	-0.587503	-1.91154	0.00105	0.00485494	YES
Psmb3	<a href="#">26446</a>	-0.587525	-3.74076	0.00005	0.000323529	YES
Smek2	<a href="#">104570</a>	-0.58818	-2.21963	0.00005	0.000323529	YES
Mcat	<a href="#">223722</a>	-0.588846	-2.7041	0.00005	0.000323529	YES
Rap2c	<a href="#">72065</a>	-0.58892	-2.66619	0.0001	0.000610637	YES
Zfp160	<a href="#">224585</a>	-0.588969	-1.94497	0.0014	0.00620513	YES
Cebpg	<a href="#">12611</a>	-0.589024	-2.69672	0.00005	0.000323529	YES
F11r	<a href="#">16456</a>	-0.58947	-2.22684	0.0006	0.0029726	YES
Adcy9	<a href="#">11515</a>	-0.589507	-2.34585	0.0003	0.00163174	YES
BC020535	<a href="#">228788</a>	-0.589531	-2.11369	0.0032	0.0126314	YES
Nle1	<a href="#">217011</a>	-0.589618	-2.1484	0.0013	0.00582759	YES
Dcun1d5	<a href="#">76863</a>	-0.589993	-3.10656	0.0001	0.000610637	YES
Itgb5	<a href="#">16419</a>	-0.590507	-2.68644	0.00005	0.000323529	YES
Vwf	<a href="#">22371</a>	-0.590659	-2.58239	0.00005	0.000323529	YES
Lnp	<a href="#">69605</a>	-0.590738	-2.81576	0.00005	0.000323529	YES
Clybl	<a href="#">69634</a>	-0.590797	-2.53749	0.00005	0.000323529	YES
Dcaf11	<a href="#">28199</a>	-0.591677	-2.03126	0.0014	0.00620513	YES
Gm26582		-0.591679	-2.06815	0.0007	0.00340476	YES
Plin4	<a href="#">57435</a>	-0.591799	-2.29292	0.00005	0.000323529	YES
Xk	<a href="#">22439</a>	-0.592477	-1.83713	0.00505	0.0186646	YES
Ifngr2	<a href="#">15980</a>	-0.592709	-2.98855	0.00005	0.000323529	YES
Zfp955a	<a href="#">77652</a>	-0.592798	-1.86746	0.0022	0.00912365	YES
Gpr56	<a href="#">14766</a>	-0.592955	-2.30314	0.00025	0.00138761	YES
Triobp	<a href="#">110253</a>	-0.593463	-2.76006	0.00005	0.000323529	YES
Zfp955b	<a href="#">100043468</a>	-0.594244	-1.66965	0.00575	0.0207687	YES
G3bp2	<a href="#">23881</a>	-0.595054	-1.46915	0.01395	0.0437031	YES
Myst1	<a href="#">67773</a>	-0.595395	-2.33013	0.00075	0.00362109	YES
Prkag3	<a href="#">241113</a>	-0.595711	-2.77495	0.00005	0.000323529	YES
Mybph	<a href="#">53311</a>	-0.596134	-1.62206	0.01055	0.0346309	YES
Zfp715	<a href="#">69930</a>	-0.596192	-2.46862	0.00005	0.000323529	YES
A930005H10Rik	<a href="#">68161</a>	-0.596252	-1.58377	0.0067	0.0236462	YES
Impa2	<a href="#">114663</a>	-0.596341	-1.93858	0.00535	0.0195574	YES
Kctd9	<a href="#">105440</a>	-0.596533	-2.52095	0.00005	0.000323529	YES
Smc6	<a href="#">67241</a>	-0.59661	-2.57096	0.00005	0.000323529	YES
Tpra1	<a href="#">24100</a>	-0.596624	-2.84605	0.00005	0.000323529	YES
Sla2	<a href="#">77799</a>	-0.596644	-1.69234	0.0032	0.0126314	YES
Smad6	<a href="#">17130</a>	-0.596762	-1.96089	0.0106	0.0347733	YES
Ndufa7	<a href="#">66416</a>	-0.596914	-4.69344	0.00005	0.000323529	YES
Wdr33	<a href="#">74320</a>	-0.596931	-1.95059	0.0034	0.0132809	YES
Ash2l	<a href="#">23808</a>	-0.597112	-2.53328	0.00005	0.000323529	YES
Sox18	<a href="#">20672</a>	-0.597463	-2.68057	0.00125	0.00562912	YES
Heatr3	<a href="#">234549</a>	-0.597555	-2.85716	0.00005	0.000323529	YES
Hivep2	<a href="#">15273</a>	-0.597578	-2.68891	0.00005	0.000323529	YES
Zfp652	<a href="#">268469</a>	-0.597743	-2.2224	0.00035	0.00186438	YES
Fbxo45	<a href="#">268882</a>	-0.597822	-2.38175	0.00025	0.00138761	YES
Fn3k	<a href="#">63828</a>	-0.598469	-1.94568	0.00105	0.00485494	YES

Rps24	<a href="#">20088</a>	-0.598562	-2.54515	0.00005	0.000323529	YES
Tbc1d20	<a href="#">67231</a>	-0.598739	-2.85967	0.00005	0.000323529	YES
Ccdc21	<a href="#">70012</a>	-0.598785	-2.77382	0.00005	0.000323529	YES
Ptpn14	<a href="#">19250</a>	-0.598867	-2.55829	0.00005	0.000323529	YES
Gin1	<a href="#">252876</a>	-0.598897	-1.79521	0.0057	0.0206165	YES
Gm10033	<a href="#">378466</a>	-0.598897	-1.60893	0.00525	0.0192545	YES
Dusp23	<a href="#">68440</a>	-0.599132	-2.18921	0.00145	0.0063961	YES
Rpap3	<a href="#">71919</a>	-0.59937	-2.26635	0.0002	0.0011411	YES
Srgn	<a href="#">19073</a>	-0.599835	-2.06262	0.00945	0.03152	YES
Card14	<a href="#">170720</a>	-0.599873	-1.83061	0.00265	0.0107213	YES
1300001I01Rik	<a href="#">74148</a>	-0.599944	-2.79763	0.00005	0.000323529	YES
Snrnp35	<a href="#">76167</a>	-0.599968	-2.0836	0.00235	0.00963898	YES
Fam98c	<a href="#">73833</a>	-0.600043	-2.43478	0.00135	0.00601572	YES
H2-Ke2	<a href="#">14976</a>	-0.600727	-2.1937	0.00005	0.000323529	YES
Psmd1	<a href="#">70247</a>	-0.600844	-2.79796	0.00005	0.000323529	YES
Cldn12	<a href="#">64945</a>	-0.601533	-2.36618	0.00005	0.000323529	YES
Mrpl21	<a href="#">353242</a>	-0.602425	-2.90466	0.00005	0.000323529	YES
MacroD1	<a href="#">107227</a>	-0.602689	-3.2587	0.00005	0.000323529	YES
Rbm24	<a href="#">666794</a>	-0.602906	-3.17923	0.00005	0.000323529	YES
Timm8b	<a href="#">30057</a>	-0.603085	-3.69134	0.00005	0.000323529	YES
Hipk3	<a href="#">15259</a>	-0.603442	-2.78947	0.00005	0.000323529	YES
Gyg	<a href="#">27357</a>	-0.603473	-3.11467	0.00005	0.000323529	YES
Cdc73	<a href="#">214498</a>	-0.603477	-2.09191	0.0007	0.00340476	YES
Zfp706	<a href="#">68036</a>	-0.60357	-3.03031	0.00005	0.000323529	YES
Polm	<a href="#">54125</a>	-0.603578	-1.77842	0.0054	0.0197081	YES
Rnmt	<a href="#">67897</a>	-0.603925	-2.4158	0.00005	0.000323529	YES
Ttc7b	<a href="#">104718</a>	-0.604141	-2.70299	0.00005	0.000323529	YES
Nck2	<a href="#">17974</a>	-0.604156	-2.75264	0.00005	0.000323529	YES
Ctdnep1	<a href="#">67181</a>	-0.604338	-2.48567	0.00005	0.000323529	YES
Tmem173	<a href="#">72512</a>	-0.605069	-1.61161	0.0135	0.0424795	YES
Esrrg	<a href="#">26381</a>	-0.605734	-1.79947	0.00295	0.0117537	YES
Rhoq	<a href="#">104215</a>	-0.605951	-2.9066	0.00005	0.000323529	YES
Slc35e4	<a href="#">103710</a>	-0.606239	-2.7473	0.00015	0.000880082	YES
Pcmt1	<a href="#">18537</a>	-0.606306	-3.17275	0.00005	0.000323529	YES
Pibf1	<a href="#">52023</a>	-0.606318	-1.59603	0.00415	0.0157832	YES
Jam2	<a href="#">67374</a>	-0.606377	-2.72919	0.00005	0.000323529	YES
Lyrm7	<a href="#">75530</a>	-0.606695	-2.28817	0.00045	0.00232845	YES
Sec24d	<a href="#">69608</a>	-0.606794	-2.51872	0.00025	0.00138761	YES
Pds5b	<a href="#">100710</a>	-0.607106	-2.56649	0.00005	0.000323529	YES
Mtfp1	<a href="#">67900</a>	-0.607309	-3.12784	0.00005	0.000323529	YES
Psma1	<a href="#">26440</a>	-0.607419	-3.2692	0.00005	0.000323529	YES
G0s2	<a href="#">14373</a>	-0.60751	-3.20077	0.00005	0.000323529	YES
Gm26693		-0.607645	-1.85772	0.00145	0.0063961	YES
Ghitm	<a href="#">66092</a>	-0.607955	-2.67636	0.00005	0.000323529	YES
Tigd2	<a href="#">68140</a>	-0.608049	-2.45168	0.0001	0.000610637	YES
Ndufv1	<a href="#">17995</a>	-0.608089	-2.99543	0.00005	0.000323529	YES
Tmcc1	<a href="#">330401</a>	-0.608402	-2.68343	0.00005	0.000323529	YES

Aurka	<a href="#">20878</a>	-0.608682	-1.58886	0.01155	0.0373216	YES
Ube2k	<a href="#">53323</a>	-0.60946	-2.97812	0.00005	0.000323529	YES
Snx5	<a href="#">69178</a>	-0.609486	-2.95216	0.00005	0.000323529	YES
Trmu	<a href="#">72026</a>	-0.609667	-2.29642	0.0005	0.00254778	YES
1110058L19Rik	<a href="#">68002</a>	-0.609696	-3.48704	0.00005	0.000323529	YES
Psmd2	<a href="#">21762</a>	-0.610167	-2.66158	0.00005	0.000323529	YES
Plicl1	<a href="#">227120</a>	-0.610321	-2.58623	0.00005	0.000323529	YES
Papss2	<a href="#">23972</a>	-0.61047	-1.85272	0.0014	0.00620513	YES
Chchd1	<a href="#">66121</a>	-0.610539	-1.45499	0.00745	0.0258923	YES
Vkorc1l1	<a href="#">69568</a>	-0.61062	-1.73692	0.0053	0.0194107	YES
Cebpz	<a href="#">12607</a>	-0.611185	-1.87279	0.00055	0.00276141	YES
Zfp608	<a href="#">269023</a>	-0.611411	-2.06176	0.00045	0.00232845	YES
Psenen	<a href="#">66340</a>	-0.612063	-3.94171	0.00005	0.000323529	YES
Prdm15	<a href="#">114604</a>	-0.612374	-1.80555	0.0016	0.00697368	YES
Rpl12	<a href="#">269261</a>	-0.612868	-3.79447	0.00005	0.000323529	YES
Rpl35	<a href="#">66489</a>	-0.612965	-2.7068	0.00005	0.000323529	YES
Unc45b	<a href="#">217012</a>	-0.613006	-2.55759	0.00005	0.000323529	YES
Tesk1	<a href="#">21754</a>	-0.613539	-2.99187	0.00005	0.000323529	YES
Cav3	<a href="#">12391</a>	-0.613591	-3.35616	0.00005	0.000323529	YES
Fdx1	<a href="#">14148</a>	-0.613611	-3.30966	0.00005	0.000323529	YES
Slc25a3	<a href="#">18674</a>	-0.613837	-2.98201	0.00005	0.000323529	YES
Sepsecs	<a href="#">211006</a>	-0.613935	-1.65778	0.0104	0.0342386	YES
Snrpe	<a href="#">20643</a>	-0.614182	-4.12098	0.0001	0.000610637	YES
Plec	<a href="#">18810</a>	-0.614365	-2.5468	0.00005	0.000323529	YES
Kdm5a	<a href="#">214899</a>	-0.614697	-2.34737	0.0001	0.000610637	YES
2700078E11Rik	<a href="#">78832</a>	-0.615173	-2.74443	0.00005	0.000323529	YES
Zfp874a	<a href="#">238692</a>	-0.615241	-1.75816	0.0054	0.0197081	YES
Tnnt2	<a href="#">21956</a>	-0.615297	-1.41732	0.00315	0.0124684	YES
Samm50	<a href="#">68653</a>	-0.616163	-3.14406	0.00005	0.000323529	YES
Nfic	<a href="#">18029</a>	-0.616311	-2.96866	0.00005	0.000323529	YES
Calr3	<a href="#">73316</a>	-0.616396	-1.35874	0.01595	0.0487456	YES
Lyrm1	<a href="#">73919</a>	-0.616396	-1.70862	0.01205	0.0386199	YES
Opa1	<a href="#">74143</a>	-0.616428	-2.78489	0.00005	0.000323529	YES
Fam53a	<a href="#">74504</a>	-0.616471	-3.0158	0.00005	0.000323529	YES
Ippk	<a href="#">75678</a>	-0.616853	-2.1609	0.00085	0.00404799	YES
Rplp2	<a href="#">67186</a>	-0.616949	-5.1258	0.00005	0.000323529	YES
Sec24a	<a href="#">77371</a>	-0.617343	-2.5501	0.0001	0.000610637	YES
Fam126b	<a href="#">213056</a>	-0.617568	-1.74036	0.0042	0.0159426	YES
B3gnt3	<a href="#">72297</a>	-0.617586	-1.67751	0.0152	0.046854	YES
Etfa	<a href="#">110842</a>	-0.617615	-3.15685	0.00005	0.000323529	YES
Maml2	<a href="#">270118</a>	-0.617652	-1.95851	0.0008	0.00383425	YES
Ppp1ca	<a href="#">19045</a>	-0.617821	-3.16665	0.00005	0.000323529	YES
Casp8	<a href="#">12370</a>	-0.617843	-1.53294	0.00525	0.0192545	YES
Lonrf1	<a href="#">244421</a>	-0.618271	-2.58223	0.0001	0.000610637	YES
Mrps35	<a href="#">232536</a>	-0.618278	-3.09536	0.00005	0.000323529	YES
Dnajb6	<a href="#">23950</a>	-0.618935	-2.7108	0.00005	0.000323529	YES
Gpatch4	<a href="#">66614</a>	-0.619563	-1.89916	0.00015	0.000880082	YES

Eif5a	<a href="#">276770</a>	-0.61959	-2.85683	0.00005	0.000323529	YES
Eif2b2	<a href="#">217715</a>	-0.619837	-3.06518	0.00005	0.000323529	YES
Pld2	<a href="#">18806</a>	-0.619876	-2.6518	0.00005	0.000323529	YES
Klf13	<a href="#">50794</a>	-0.620142	-2.86357	0.00005	0.000323529	YES
Fam135a	<a href="#">68187</a>	-0.6209	-2.6684	0.00005	0.000323529	YES
Csnk1e	<a href="#">27373</a>	-0.623046	-2.91996	0.00005	0.000323529	YES
Dusp8	<a href="#">18218</a>	-0.623145	-2.80421	0.00005	0.000323529	YES
Apbb2	<a href="#">11787</a>	-0.623184	-2.45702	0.00005	0.000323529	YES
Strbp	<a href="#">20744</a>	-0.623955	-2.42415	0.0002	0.0011411	YES
Prmt7	<a href="#">214572</a>	-0.623967	-2.27323	0.0004	0.00210083	YES
Zcrb1	<a href="#">67197</a>	-0.623989	-3.41959	0.00005	0.000323529	YES
Acad12	<a href="#">338350</a>	-0.624346	-2.56055	0.00005	0.000323529	YES
Abcb7	<a href="#">11306</a>	-0.624962	-2.91164	0.00005	0.000323529	YES
Mmaa	<a href="#">109136</a>	-0.625103	-2.39887	0.00005	0.000323529	YES
Tarsl2	<a href="#">272396</a>	-0.62514	-2.88408	0.00005	0.000323529	YES
Slc25a11	<a href="#">67863</a>	-0.625183	-3.13553	0.00005	0.000323529	YES
2700089E24Rik	<a href="#">381820</a>	-0.625258	-3.13765	0.00005	0.000323529	YES
Gpihbp1	<a href="#">68453</a>	-0.625431	-3.0128	0.0001	0.000610637	YES
Adrb2	<a href="#">11555</a>	-0.625633	-2.94166	0.00005	0.000323529	YES
Uchl5	<a href="#">56207</a>	-0.625945	-2.36607	0.00005	0.000323529	YES
Rell1	<a href="#">100532</a>	-0.626344	-2.33739	0.0003	0.00163174	YES
Gtf2a2	<a href="#">235459</a>	-0.626352	-3.27405	0.00005	0.000323529	YES
Zfp280b	<a href="#">64453</a>	-0.626561	-2.32834	0.0003	0.00163174	YES
Zfp354a	<a href="#">21408</a>	-0.626694	-1.60651	0.00805	0.0275875	YES
Uba2	<a href="#">50995</a>	-0.626832	-2.871	0.00005	0.000323529	YES
Spata24	<a href="#">71242</a>	-0.626838	-1.53644	0.0047	0.0175317	YES
Mrpl45	<a href="#">67036</a>	-0.626876	-2.99116	0.00005	0.000323529	YES
Gm10336	<a href="#">328186</a>	-0.62695	-2.67656	0.00005	0.000323529	YES
Slc6a8	<a href="#">102857</a>	-0.627392	-3.10505	0.00005	0.000323529	YES
Chchd2	<a href="#">14004</a>	-0.6278	-3.86763	0.00005	0.000323529	YES
Tfg	<a href="#">21787</a>	-0.627888	-2.78562	0.00005	0.000323529	YES
Smcr7l	<a href="#">239555</a>	-0.628122	-2.59898	0.00005	0.000323529	YES
Mrpl14	<a href="#">68463</a>	-0.628291	-3.89205	0.00005	0.000323529	YES
Mtcp1	<a href="#">105886298</a>	-0.62882	-1.76087	0.004	0.0152681	YES
Mrpl55	<a href="#">67212</a>	-0.628958	-3.42748	0.00005	0.000323529	YES
Eif2d	<a href="#">16865</a>	-0.628974	-2.54694	0.00005	0.000323529	YES
Chrd	<a href="#">12667</a>	-0.629025	-1.55015	0.01	0.033081	YES
Cox5a	<a href="#">12858</a>	-0.629161	-3.6262	0.00005	0.000323529	YES
Iars	<a href="#">105148</a>	-0.629354	-2.92302	0.00005	0.000323529	YES
Smarca2	<a href="#">67155</a>	-0.629415	-2.29275	0.00005	0.000323529	YES
Usp28	<a href="#">235323</a>	-0.630527	-2.95355	0.00005	0.000323529	YES
Rnf166	<a href="#">68718</a>	-0.630587	-3.1368	0.00005	0.000323529	YES
Nup153	<a href="#">218210</a>	-0.630616	-2.86169	0.00005	0.000323529	YES
Ipmk	<a href="#">69718</a>	-0.630621	-2.58891	0.00005	0.000323529	YES
Secisbp2l	<a href="#">70354</a>	-0.630686	-2.84913	0.00005	0.000323529	YES
1810030N24Rik	<a href="#">66291</a>	-0.630709	-2.88735	0.0001	0.000610637	YES
Cbr4	<a href="#">234309</a>	-0.630999	-2.97205	0.0001	0.000610637	YES

Fastkd2	<a href="#">75619</a>	-0.631716	-2.60888	0.00005	0.000323529	YES
Gm5918	<a href="#">546143</a>	-0.632535	-2.09391	0.0104	0.0342386	YES
Timm9	<a href="#">30056</a>	-0.632548	-2.16555	0.00005	0.000323529	YES
Dnajc2	<a href="#">22791</a>	-0.632663	-2.55002	0.00005	0.000323529	YES
Osmr	<a href="#">18414</a>	-0.633037	-2.0307	0.00095	0.00445144	YES
Slc25a28	<a href="#">246696</a>	-0.633076	-2.99713	0.00005	0.000323529	YES
Atmin	<a href="#">234776</a>	-0.633473	-2.75146	0.00005	0.000323529	YES
Atpaf2	<a href="#">246782</a>	-0.633829	-2.83468	0.00005	0.000323529	YES
Kcnn2	<a href="#">140492</a>	-0.633971	-1.66542	0.0108	0.0353263	YES
Mrpl50	<a href="#">28028</a>	-0.634751	-2.95011	0.00005	0.000323529	YES
Plekhg1	<a href="#">213783</a>	-0.635101	-1.51911	0.0095	0.0316331	YES
Gm12224	<a href="#">100503752</a>	-0.63516	-1.54573	0.00915	0.0306624	YES
Nfyb	<a href="#">18045</a>	-0.635201	-2.91604	0.00005	0.000323529	YES
Chchd10	<a href="#">103172</a>	-0.635268	-3.92499	0.00005	0.000323529	YES
Vps36	<a href="#">70160</a>	-0.635351	-2.90817	0.00005	0.000323529	YES
Wipi1	<a href="#">52639</a>	-0.635738	-3.10514	0.00005	0.000323529	YES
Cacna1a	<a href="#">12286</a>	-0.635779	-2.59451	0.00005	0.000323529	YES
Yars2	<a href="#">70120</a>	-0.63599	-2.35261	0.00015	0.000880082	YES
Enoph1	<a href="#">67870</a>	-0.636141	-2.01524	0.0011	0.0050638	YES
Mcf2l	<a href="#">17207</a>	-0.63626	-2.21926	0.0001	0.000610637	YES
Fam96a	<a href="#">68250</a>	-0.636299	-3.16161	0.00005	0.000323529	YES
Acad9	<a href="#">229211</a>	-0.636357	-2.96283	0.00005	0.000323529	YES
Psma6	<a href="#">26443</a>	-0.63682	-2.74148	0.00005	0.000323529	YES
Srp68	<a href="#">217337</a>	-0.637402	-3.08948	0.00005	0.000323529	YES
Ipo7	<a href="#">233726</a>	-0.639174	-2.97924	0.00005	0.000323529	YES
Napepld	<a href="#">242864</a>	-0.64008	-2.09227	0.0009	0.00424116	YES
Mkl1	<a href="#">223701</a>	-0.640303	-2.33176	0.00005	0.000323529	YES
Ndufa8	<a href="#">68375</a>	-0.640423	-3.91617	0.00005	0.000323529	YES
Abcb6	<a href="#">74104</a>	-0.640653	-2.78925	0.00005	0.000323529	YES
Six4	<a href="#">20474</a>	-0.640953	-2.68199	0.00005	0.000323529	YES
Bdp1	<a href="#">544971</a>	-0.640972	-2.25684	0.00015	0.000880082	YES
Pnpt1	<a href="#">71701</a>	-0.641315	-2.77156	0.00005	0.000323529	YES
Zfp639	<a href="#">67778</a>	-0.641861	-2.58852	0.00005	0.000323529	YES
Eif4g2	<a href="#">13690</a>	-0.641927	-2.56254	0.00005	0.000323529	YES
Mbnl1	<a href="#">56758</a>	-0.642294	-3.04675	0.00005	0.000323529	YES
Rad23a	<a href="#">19358</a>	-0.642327	-2.4155	0.00005	0.000323529	YES
Gm15491		-0.642595	-1.87054	0.00595	0.021383	YES
Trdn	<a href="#">76757</a>	-0.642866	-2.3761	0.00005	0.000323529	YES
Pecr	<a href="#">111175</a>	-0.643763	-2.32673	0.0013	0.00582759	YES
Sept4	<a href="#">18952</a>	-0.643829	-2.2347	0.00055	0.00276141	YES
Syngr2	<a href="#">20973</a>	-0.643835	-3.62444	0.00005	0.000323529	YES
Ccdc43	<a href="#">52715</a>	-0.643905	-3.08959	0.00005	0.000323529	YES
Bend7	<a href="#">209645</a>	-0.644415	-1.51157	0.00925	0.0309317	YES
Tbc1d24	<a href="#">224617</a>	-0.644576	-2.48972	0.00005	0.000323529	YES
Pex12	<a href="#">103737</a>	-0.644762	-2.05116	0.00045	0.00232845	YES
Tob2	<a href="#">57259</a>	-0.644868	-3.12764	0.00005	0.000323529	YES
Cs	<a href="#">12974</a>	-0.645096	-2.77279	0.00005	0.000323529	YES

Hdgf	<a href="#">15191</a>	-0.645506	-3.06573	0.00005	0.000323529	YES
Rg9mtd1	<a href="#">52575</a>	-0.645687	-2.49084	0.0001	0.000610637	YES
Rnf114	<a href="#">81018</a>	-0.645792	-2.26106	0.0003	0.00163174	YES
Ttll4	<a href="#">67534</a>	-0.646341	-1.98507	0.001	0.00465385	YES
Myadml2	<a href="#">68515</a>	-0.647048	-3.23192	0.00005	0.000323529	YES
Zfp775	<a href="#">243372</a>	-0.647155	-2.3839	0.00035	0.00186438	YES
Zdhhc5	<a href="#">228136</a>	-0.647396	-2.77563	0.00005	0.000323529	YES
Supv3l1	<a href="#">338359</a>	-0.647424	-2.68438	0.00005	0.000323529	YES
Ptpmt1	<a href="#">66461</a>	-0.647571	-1.85315	0.0015	0.00658526	YES
Efna1	<a href="#">13636</a>	-0.647815	-2.19294	0.00035	0.00186438	YES
Mcart1	<a href="#">230125</a>	-0.648365	-3.17448	0.00005	0.000323529	YES
Gpi1	<a href="#">14751</a>	-0.648762	-2.6168	0.00005	0.000323529	YES
ORF63	<a href="#">224419</a>	-0.649816	-2.58767	0.00005	0.000323529	YES
Qk	<a href="#">19317</a>	-0.650252	-3.09337	0.00005	0.000323529	YES
Fam174a	<a href="#">67698</a>	-0.650395	-3.36223	0.00005	0.000323529	YES
Rasgrf2	<a href="#">19418</a>	-0.650419	-2.02205	0.0012	0.00544762	YES
Foxj3	<a href="#">230700</a>	-0.650462	-3.01223	0.00005	0.000323529	YES
Tigd4	<a href="#">403175</a>	-0.650496	-2.26572	0.00015	0.000880082	YES
Cisd2	<a href="#">67006</a>	-0.651309	-3.051	0.00005	0.000323529	YES
Emcn	<a href="#">59308</a>	-0.651341	-2.34961	0.00005	0.000323529	YES
Hmgb1	<a href="#">15289</a>	-0.652211	-3.12926	0.00005	0.000323529	YES
Tle1	<a href="#">21885</a>	-0.652702	-2.93139	0.00005	0.000323529	YES
Pkia	<a href="#">18767</a>	-0.652929	-3.04069	0.00005	0.000323529	YES
Rhbdd3	<a href="#">279766</a>	-0.652929	-3.07897	0.00005	0.000323529	YES
Stoml2	<a href="#">66592</a>	-0.653394	-2.41763	0.0003	0.00163174	YES
Sh2d3c	<a href="#">27387</a>	-0.65395	-2.36553	0.0003	0.00163174	YES
Irx5	<a href="#">54352</a>	-0.654329	-2.82984	0.0001	0.000610637	YES
Enho	<a href="#">69638</a>	-0.654781	-2.39034	0.00095	0.00445144	YES
Chmp4c	<a href="#">66371</a>	-0.655214	-1.5996	0.0111	0.036075	YES
Gemin4	<a href="#">276919</a>	-0.655642	-2.06932	0.0012	0.00544762	YES
5730455O13Rik	<a href="#">70567</a>	-0.655734	-2.54147	0.00005	0.000323529	YES
Psma3	<a href="#">19167</a>	-0.655878	-3.15587	0.00005	0.000323529	YES
6720427I07Rik	<a href="#">109186</a>	-0.656194	-1.77711	0.00435	0.0164445	YES
Nutf2	<a href="#">68051</a>	-0.656387	-1.56105	0.0095	0.0316331	YES
Fytd1	<a href="#">69823</a>	-0.656422	-3.0389	0.00005	0.000323529	YES
Rapgef5	<a href="#">217944</a>	-0.657017	-1.47252	0.01295	0.041061	YES
Stk24	<a href="#">223255</a>	-0.657158	-3.04127	0.00005	0.000323529	YES
Mrps23	<a href="#">64656</a>	-0.657551	-3.48205	0.00005	0.000323529	YES
Map3k14	<a href="#">53859</a>	-0.658133	-2.06875	0.00055	0.00276141	YES
Mcts1	<a href="#">68995</a>	-0.658227	-3.43592	0.00005	0.000323529	YES
Mrps30	<a href="#">59054</a>	-0.65883	-3.3324	0.00005	0.000323529	YES
Rbm33	<a href="#">381626</a>	-0.659695	-2.97263	0.00005	0.000323529	YES
Rps14	<a href="#">20044</a>	-0.659813	-4.22452	0.00005	0.000323529	YES
Eif2s2	<a href="#">67204</a>	-0.659859	-3.14635	0.00005	0.000323529	YES
Map4k3	<a href="#">225028</a>	-0.660209	-2.98191	0.00005	0.000323529	YES
Pde7a	<a href="#">18583</a>	-0.660341	-2.67937	0.00005	0.000323529	YES
Gm14326	<a href="#">665211</a>	-0.660756	-2.14369	0.0003	0.00163174	YES

Gm16740	<a href="#">100504029</a>	-0.660955	-1.88732	0.0027	0.0108761	YES
Picalm	<a href="#">233489</a>	-0.661082	-3.09581	0.00005	0.000323529	YES
2310030G06Rik	<a href="#">66952</a>	-0.661874	-2.20893	0.00205	0.00859219	YES
Eif4ebp1	<a href="#">13685</a>	-0.662065	-3.77762	0.00005	0.000323529	YES
Ccdc6	<a href="#">76551</a>	-0.663182	-2.97191	0.00005	0.000323529	YES
Mark1	<a href="#">226778</a>	-0.663659	-1.59338	0.0098	0.0325357	YES
Uqcr10	<a href="#">66152</a>	-0.66387	-5.58207	0.00005	0.000323529	YES
Bcam	<a href="#">57278</a>	-0.664362	-3.3571	0.00005	0.000323529	YES
Mrpl23	<a href="#">19935</a>	-0.665176	-4.34356	0.00005	0.000323529	YES
Kctd21	<a href="#">622320</a>	-0.665265	-1.6707	0.008	0.027458	YES
Mrps15	<a href="#">66407</a>	-0.666241	-3.69105	0.00005	0.000323529	YES
Ccdc88b	<a href="#">78317</a>	-0.666392	-1.44429	0.01275	0.040484	YES
Cox5b	<a href="#">12859</a>	-0.667513	-4.53648	0.00005	0.000323529	YES
Dpm1	<a href="#">13480</a>	-0.668655	-3.30832	0.00005	0.000323529	YES
Rnf150	<a href="#">330812</a>	-0.668706	-3.00275	0.00005	0.000323529	YES
Bccip	<a href="#">66165</a>	-0.66872	-2.22956	0.00085	0.00404799	YES
Mknk2	<a href="#">17347</a>	-0.668907	-3.33127	0.00005	0.000323529	YES
Myo1b	<a href="#">17912</a>	-0.669569	-2.42247	0.00005	0.000323529	YES
Cfl2	<a href="#">12632</a>	-0.669967	-3.32771	0.00005	0.000323529	YES
Jtb	<a href="#">23922</a>	-0.670046	-3.83152	0.00005	0.000323529	YES
Stat5b	<a href="#">20851</a>	-0.670193	-3.11869	0.00005	0.000323529	YES
Bag1	<a href="#">12017</a>	-0.670213	-3.33167	0.00005	0.000323529	YES
Gm16093		-0.670276	-1.48454	0.00695	0.0244189	YES
Psmd12	<a href="#">66997</a>	-0.670485	-3.25405	0.00005	0.000323529	YES
Kpna1	<a href="#">16646</a>	-0.670583	-3.20592	0.00005	0.000323529	YES
Serhl	<a href="#">68607</a>	-0.670951	-2.34343	0.0009	0.00424116	YES
Ophn1	<a href="#">94190</a>	-0.672412	-2.36949	0.00005	0.000323529	YES
Adamts5	<a href="#">23794</a>	-0.673072	-2.43328	0.0001	0.000610637	YES
Deptor	<a href="#">97998</a>	-0.673239	-2.53159	0.00005	0.000323529	YES
3110057O12Rik	<a href="#">269423</a>	-0.673488	-2.02685	0.00195	0.00825222	YES
Sgcg	<a href="#">24053</a>	-0.673809	-2.9684	0.00005	0.000323529	YES
G2e3	<a href="#">217558</a>	-0.674039	-1.77565	0.0047	0.0175317	YES
Zfp961	<a href="#">234413</a>	-0.674444	-1.76454	0.00545	0.0198492	YES
Arrdc4	<a href="#">66412</a>	-0.674953	-1.74563	0.00415	0.0157832	YES
Zfp386	<a href="#">56220</a>	-0.67514	-2.56241	0.00005	0.000323529	YES
Pi15	<a href="#">94227</a>	-0.675266	-1.75732	0.0062	0.0221348	YES
Bach1	<a href="#">12013</a>	-0.675979	-2.91445	0.00005	0.000323529	YES
Sumo1	<a href="#">22218</a>	-0.676238	-3.58055	0.00005	0.000323529	YES
Sepw1	<a href="#">20364</a>	-0.676368	-3.89672	0.00005	0.000323529	YES
Pam16	<a href="#">66449</a>	-0.676444	-4.29553	0.00005	0.000323529	YES
Ccdc101	<a href="#">75565</a>	-0.676836	-2.7853	0.00005	0.000323529	YES
Col11a2	<a href="#">12815</a>	-0.677124	-2.45919	0.00005	0.000323529	YES
Mfng	<a href="#">17305</a>	-0.677135	-1.93287	0.00565	0.0204591	YES
Ndufaf1	<a href="#">69702</a>	-0.677266	-3.19	0.00005	0.000323529	YES
Uba52	<a href="#">22186</a>	-0.677356	-4.89349	0.00005	0.000323529	YES
2310061I04Rik	<a href="#">69662</a>	-0.678024	-2.65122	0.00045	0.00232845	YES
Spast	<a href="#">50850</a>	-0.678061	-3.03015	0.00005	0.000323529	YES

Ankzf1	<a href="#">52231</a>	-0.678089	-2.1563	0.00065	0.00319117	YES
Gm26787	<a href="#">102637672</a>	-0.678326	-2.06268	0.00115	0.00525399	YES
Fosl2	<a href="#">14284</a>	-0.67842	-2.92264	0.00005	0.000323529	YES
Rpp38	<a href="#">227522</a>	-0.678949	-1.97932	0.0043	0.016275	YES
Prex2	<a href="#">109294</a>	-0.679561	-2.03327	0.0005	0.00254778	YES
Ndufb8	<a href="#">67264</a>	-0.679884	-4.21859	0.00005	0.000323529	YES
Cops4	<a href="#">26891</a>	-0.680396	-3.33152	0.00005	0.000323529	YES
Sema7a	<a href="#">20361</a>	-0.680444	-2.55948	0.00005	0.000323529	YES
Ubac1	<a href="#">98766</a>	-0.68072	-3.21055	0.00005	0.000323529	YES
Zfp956	<a href="#">101197</a>	-0.681053	-2.10063	0.0001	0.000610637	YES
Hoxc10	<a href="#">209448</a>	-0.681109	-3.42137	0.00005	0.000323529	YES
Phka1	<a href="#">18679</a>	-0.681344	-3.047	0.00005	0.000323529	YES
Cltb	<a href="#">74325</a>	-0.681494	-3.47397	0.00005	0.000323529	YES
Esam	<a href="#">69524</a>	-0.68168	-3.18103	0.00005	0.000323529	YES
Mdh2	<a href="#">17448</a>	-0.681701	-3.1151	0.00005	0.000323529	YES
Hectd1	<a href="#">207304</a>	-0.681901	-3.07641	0.00005	0.000323529	YES
Stradb	<a href="#">227154</a>	-0.681983	-3.4392	0.00005	0.000323529	YES
Cops5	<a href="#">26754</a>	-0.681994	-3.65147	0.00005	0.000323529	YES
Lyar	<a href="#">17089</a>	-0.682618	-2.57655	0.00005	0.000323529	YES
Bcs1l	<a href="#">66821</a>	-0.683101	-2.8373	0.00005	0.000323529	YES
Qrsl1	<a href="#">76563</a>	-0.683314	-2.75181	0.00005	0.000323529	YES
Ptp4a2	<a href="#">19244</a>	-0.683339	-3.10448	0.00005	0.000323529	YES
Stard7	<a href="#">99138</a>	-0.683665	-3.42287	0.00005	0.000323529	YES
Lyrm5	<a href="#">67636</a>	-0.684519	-3.0243	0.00005	0.000323529	YES
Pfdn2	<a href="#">18637</a>	-0.685168	-3.96837	0.00005	0.000323529	YES
4933407H18Rik	<a href="#">71101</a>	-0.685575	-2.14097	0.00015	0.000880082	YES
Fgf7	<a href="#">14178</a>	-0.685598	-1.89194	0.0019	0.00807975	YES
Cox11	<a href="#">69802</a>	-0.686128	-2.05563	0.00215	0.00894696	YES
Slc25a15	<a href="#">18408</a>	-0.686283	-2.72884	0.00005	0.000323529	YES
2310003L22Rik	<a href="#">69487</a>	-0.686571	-3.15047	0.00005	0.000323529	YES
Phf14	<a href="#">75725</a>	-0.688931	-2.64452	0.00005	0.000323529	YES
Farsb	<a href="#">23874</a>	-0.689462	-3.38394	0.00005	0.000323529	YES
AI316807	<a href="#">102032</a>	-0.689917	-2.01878	0.0065	0.0230697	YES
Arl8b	<a href="#">67166</a>	-0.690347	-3.55388	0.00005	0.000323529	YES
Sncg	<a href="#">20618</a>	-0.69064	-2.67931	0.00055	0.00276141	YES
Gm17300		-0.690844	-1.90723	0.0033	0.0129643	YES
Tatdn1	<a href="#">69694</a>	-0.690887	-1.42269	0.01225	0.0391095	YES
Endog	<a href="#">13804</a>	-0.691791	-2.80355	0.0007	0.00340476	YES
Kbtbd3	<a href="#">69149</a>	-0.691791	-1.92612	0.00075	0.00362109	YES
LOC433374	<a href="#">433374</a>	-0.691844	-1.91293	0.00475	0.0176888	YES
Timm44	<a href="#">21856</a>	-0.691856	-3.23523	0.00005	0.000323529	YES
Ubn2	<a href="#">320538</a>	-0.691891	-3.08177	0.00005	0.000323529	YES
Bod1	<a href="#">69556</a>	-0.692002	-3.69027	0.00005	0.000323529	YES
Mat2a	<a href="#">232087</a>	-0.692193	-3.3791	0.00005	0.000323529	YES
Tmem186	<a href="#">66690</a>	-0.692455	-2.86677	0.00005	0.000323529	YES
Bcl6	<a href="#">12053</a>	-0.69304	-3.10821	0.00005	0.000323529	YES
Casp7	<a href="#">12369</a>	-0.693375	-1.96905	0.0021	0.00876905	YES

Ctgf	<a href="#">14219</a>	-0.693719	-2.45289	0.0002	0.0011411	YES
Tubd1	<a href="#">56427</a>	-0.69393	-2.1611	0.00035	0.00186438	YES
Sh3bp2	<a href="#">24055</a>	-0.695012	-1.66566	0.0054	0.0197081	YES
Lactb	<a href="#">80907</a>	-0.696522	-2.86263	0.00005	0.000323529	YES
Poldip2	<a href="#">67811</a>	-0.697242	-3.53998	0.00005	0.000323529	YES
Phb	<a href="#">18673</a>	-0.698195	-3.36834	0.00005	0.000323529	YES
Acat1	<a href="#">110446</a>	-0.698689	-3.13138	0.00005	0.000323529	YES
Rpusd3	<a href="#">101122</a>	-0.699157	-2.27212	0.00115	0.00525399	YES
Atxn1	<a href="#">20238</a>	-0.699775	-3.18257	0.00005	0.000323529	YES
Etfb	<a href="#">110826</a>	-0.699808	-3.94205	0.00005	0.000323529	YES
Rab12	<a href="#">19328</a>	-0.700029	-3.51965	0.00005	0.000323529	YES
Fth1	<a href="#">14319</a>	-0.700186	-3.25391	0.00005	0.000323529	YES
Mll3	<a href="#">231051</a>	-0.7004	-3.04353	0.00005	0.000323529	YES
SigIRR	<a href="#">24058</a>	-0.700672	-1.68482	0.0122	0.0389974	YES
Ints10	<a href="#">70885</a>	-0.701182	-3.0762	0.00005	0.000323529	YES
Ddx56	<a href="#">52513</a>	-0.702083	-3.01027	0.00005	0.000323529	YES
4931414P19Rik	<a href="#">74359</a>	-0.703287	-1.77455	0.00625	0.0222779	YES
Tef	<a href="#">21685</a>	-0.703303	-3.13137	0.00005	0.000323529	YES
Cited4	<a href="#">56222</a>	-0.703419	-2.17656	0.00385	0.0147745	YES
1110002N22Rik	<a href="#">68550</a>	-0.704094	-2.80246	0.00015	0.000880082	YES
Hsf2	<a href="#">15500</a>	-0.704347	-3.249	0.00005	0.000323529	YES
Prkar2a	<a href="#">19087</a>	-0.704395	-3.43643	0.00005	0.000323529	YES
Csde1	<a href="#">229663</a>	-0.704575	-2.99011	0.00005	0.000323529	YES
Ccbl1	<a href="#">70266</a>	-0.704657	-3.09106	0.00005	0.000323529	YES
Ndufb7	<a href="#">66916</a>	-0.704713	-4.93384	0.00005	0.000323529	YES
Arhgef37	<a href="#">328967</a>	-0.705125	-1.89898	0.00175	0.00752117	YES
Tmem149	<a href="#">101883</a>	-0.70551	-2.22026	0.002	0.00841627	YES
Cox10	<a href="#">70383</a>	-0.705642	-3.17933	0.00005	0.000323529	YES
Homer1	<a href="#">26556</a>	-0.705757	-2.80535	0.00005	0.000323529	YES
Smcr7	<a href="#">237781</a>	-0.705994	-3.43534	0.00005	0.000323529	YES
Ddx1	<a href="#">104721</a>	-0.706321	-3.28754	0.00005	0.000323529	YES
Uqcrh	<a href="#">66576</a>	-0.706484	-4.58062	0.00005	0.000323529	YES
Ube3a	<a href="#">22215</a>	-0.706846	-2.71762	0.00005	0.000323529	YES
Thap4	<a href="#">67026</a>	-0.707302	-3.26858	0.00005	0.000323529	YES
Klf9	<a href="#">16601</a>	-0.70761	-3.29745	0.00005	0.000323529	YES
B230208H17Rik	<a href="#">227624</a>	-0.707814	-2.86884	0.00005	0.000323529	YES
1110007C09Rik	<a href="#">68480</a>	-0.707869	-4.18795	0.00005	0.000323529	YES
2610044O15Rik	<a href="#">72139</a>	-0.708832	-2.7121	0.00005	0.000323529	YES
Mtus1	<a href="#">102103</a>	-0.708867	-3.10168	0.00005	0.000323529	YES
Zxdc	<a href="#">80292</a>	-0.709563	-3.14527	0.00005	0.000323529	YES
Tie1	<a href="#">21846</a>	-0.709577	-3.26159	0.00005	0.000323529	YES
Snrbp	<a href="#">20638</a>	-0.709925	-3.96334	0.00005	0.000323529	YES
Rpsa	<a href="#">16785</a>	-0.710272	-3.14268	0.00005	0.000323529	YES
Hook1	<a href="#">77963</a>	-0.710677	-2.6445	0.00005	0.000323529	YES
4833439L19Rik	<a href="#">97820</a>	-0.710971	-3.21931	0.00005	0.000323529	YES
Gltpd1	<a href="#">79554</a>	-0.711161	-2.4215	0.00005	0.000323529	YES
Cyb5r4	<a href="#">266690</a>	-0.711799	-3.1334	0.00005	0.000323529	YES

Rab7	<a href="#">19349</a>	-0.712544	-4.48557	0.00005	0.000323529	YES
Col4a3bp	<a href="#">68018</a>	-0.713174	-3.18759	0.00005	0.000323529	YES
Ndufa3	<a href="#">66091</a>	-0.713462	-7.52514	0.00005	0.000323529	YES
Ndufv3	<a href="#">78330</a>	-0.714012	-3.03672	0.00005	0.000323529	YES
Ctsc	<a href="#">13032</a>	-0.714062	-2.9064	0.00005	0.000323529	YES
Kitl	<a href="#">17311</a>	-0.714228	-2.97064	0.00005	0.000323529	YES
Smpx	<a href="#">66106</a>	-0.714233	-3.03635	0.00005	0.000323529	YES
Zfp106	<a href="#">20402</a>	-0.714429	-2.43077	0.00005	0.000323529	YES
Polr2l	<a href="#">66491</a>	-0.714445	-3.70786	0.00005	0.000323529	YES
Gpr116	<a href="#">224792</a>	-0.714579	-3.19959	0.00005	0.000323529	YES
Trp53i11	<a href="#">277414</a>	-0.715217	-2.55831	0.00015	0.000880082	YES
Nr6a1	<a href="#">14536</a>	-0.715222	-1.8485	0.00365	0.0141172	YES
Ccdc28b	<a href="#">66264</a>	-0.715358	-2.57025	0.00015	0.000880082	YES
1110002B05Rik	<a href="#">104725</a>	-0.715364	-3.17132	0.00005	0.000323529	YES
Ndufb6	<a href="#">230075</a>	-0.71541	-2.83978	0.00005	0.000323529	YES
Cd300lg	<a href="#">52685</a>	-0.715467	-3.01872	0.00005	0.000323529	YES
Tomm20	<a href="#">67952</a>	-0.715498	-3.50173	0.00005	0.000323529	YES
Larp4	<a href="#">207214</a>	-0.716638	-3.07426	0.00005	0.000323529	YES
Hibch	<a href="#">227095</a>	-0.717849	-3.37813	0.00005	0.000323529	YES
6430571L13Rik	<a href="#">235599</a>	-0.718185	-2.87285	0.00005	0.000323529	YES
Lrrc14b	<a href="#">432779</a>	-0.718529	-2.73867	0.00005	0.000323529	YES
Prkch	<a href="#">18755</a>	-0.718617	-2.31655	0.00015	0.000880082	YES
Gm17435	<a href="#">100503374</a>	-0.718729	-2.05591	0.0008	0.00383425	YES
Rgs2	<a href="#">19735</a>	-0.718759	-2.7374	0.00005	0.000323529	YES
Rtn2	<a href="#">20167</a>	-0.718994	-3.20007	0.00005	0.000323529	YES
Ccdc41	<a href="#">77048</a>	-0.719059	-2.55717	0.00005	0.000323529	YES
Rin3	<a href="#">217835</a>	-0.71926	-1.99471	0.00075	0.00362109	YES
Rps25	<a href="#">75617</a>	-0.71978	-4.33123	0.00005	0.000323529	YES
Rplp0	<a href="#">11837</a>	-0.720205	-3.41629	0.00005	0.000323529	YES
Gfm1	<a href="#">28030</a>	-0.721179	-3.43999	0.00005	0.000323529	YES
Plk2	<a href="#">20620</a>	-0.722447	-2.62429	0.00005	0.000323529	YES
Ephb6	<a href="#">13848</a>	-0.722858	-2.03565	0.0006	0.0029726	YES
Nmd3	<a href="#">97112</a>	-0.723092	-3.10272	0.00005	0.000323529	YES
Pgm2l1	<a href="#">70974</a>	-0.723368	-2.63706	0.00005	0.000323529	YES
Dhrs7c	<a href="#">68460</a>	-0.724077	-3.93312	0.00005	0.000323529	YES
Ppp1r16b	<a href="#">228852</a>	-0.724833	-1.65739	0.00525	0.0192545	YES
Atp5a1	<a href="#">11946</a>	-0.727522	-2.48715	0.0002	0.0011411	YES
Grhpr	<a href="#">76238</a>	-0.727661	-3.33789	0.00005	0.000323529	YES
2310067B10Rik	<a href="#">71947</a>	-0.727922	-3.58601	0.00005	0.000323529	YES
C1qbp	<a href="#">12261</a>	-0.727967	-2.99505	0.00005	0.000323529	YES
2010109K11Rik	<a href="#">72123</a>	-0.728091	-2.87962	0.00005	0.000323529	YES
Ksr1	<a href="#">16706</a>	-0.728101	-3.42526	0.00005	0.000323529	YES
Sepx1	<a href="#">27361</a>	-0.728375	-4.41738	0.00005	0.000323529	YES
Osgepl1	<a href="#">72085</a>	-0.728831	-3.35261	0.00005	0.000323529	YES
Ptcd2	<a href="#">68927</a>	-0.728892	-3.26845	0.00005	0.000323529	YES
Cd38	<a href="#">12494</a>	-0.72932	-2.51058	0.0001	0.000610637	YES
Slc7a8	<a href="#">50934</a>	-0.729457	-2.11383	0.0007	0.00340476	YES

Fabp5	<a href="#">16592</a>	-0.729791	-2.67617	0.00025	0.00138761	YES
Mrpl15	<a href="#">27395</a>	-0.730656	-2.93873	0.00005	0.000323529	YES
Phyh	<a href="#">16922</a>	-0.730689	-3.63617	0.00005	0.000323529	YES
Erg	<a href="#">13876</a>	-0.731665	-2.18454	0.00055	0.00276141	YES
Ablim3	<a href="#">319713</a>	-0.732016	-2.95482	0.00005	0.000323529	YES
Ndufa2	<a href="#">17991</a>	-0.732261	-3.17103	0.00005	0.000323529	YES
Osbpl10	<a href="#">74486</a>	-0.732613	-2.19627	0.00055	0.00276141	YES
Ing2	<a href="#">69260</a>	-0.732619	-2.94717	0.00005	0.000323529	YES
Irf2	<a href="#">16363</a>	-0.73284	-2.89729	0.00005	0.000323529	YES
Tsc22d4	<a href="#">78829</a>	-0.733814	-3.28784	0.00005	0.000323529	YES
Etf1	<a href="#">225363</a>	-0.734257	-3.50295	0.00005	0.000323529	YES
Pthlh	<a href="#">19227</a>	-0.734355	-1.7366	0.01345	0.0423645	YES
Zfp51	<a href="#">22709</a>	-0.734572	-2.30889	0.0001	0.000610637	YES
Ly6c1	<a href="#">17067</a>	-0.735176	-3.31593	0.00005	0.000323529	YES
Zfand3	<a href="#">21769</a>	-0.735344	-3.81391	0.00005	0.000323529	YES
Adk	<a href="#">11534</a>	-0.735465	-3.08395	0.00005	0.000323529	YES
A830039N20Rik	<a href="#">268723</a>	-0.735522	-2.00062	0.0025	0.0101825	YES
Phtf2	<a href="#">68770</a>	-0.735787	-3.57475	0.00005	0.000323529	YES
Hemk1	<a href="#">69536</a>	-0.737185	-2.84027	0.00005	0.000323529	YES
Abtb2	<a href="#">99382</a>	-0.737333	-3.09309	0.00005	0.000323529	YES
Mrps36	<a href="#">66128</a>	-0.737514	-3.07968	0.00005	0.000323529	YES
Lrrc58	<a href="#">320184</a>	-0.737678	-3.42878	0.00005	0.000323529	YES
Tufm	<a href="#">233870</a>	-0.738073	-3.22529	0.00005	0.000323529	YES
Zfp358	<a href="#">140482</a>	-0.738093	-3.70035	0.00005	0.000323529	YES
Fabp4	<a href="#">11770</a>	-0.738966	-4.6389	0.00005	0.000323529	YES
Acsl1	<a href="#">14081</a>	-0.739165	-3.44415	0.00005	0.000323529	YES
Tfb2m	<a href="#">15278</a>	-0.739366	-3.60943	0.00005	0.000323529	YES
Maz	<a href="#">17188</a>	-0.739608	-3.77676	0.00005	0.000323529	YES
Echs1	<a href="#">93747</a>	-0.739973	-3.82855	0.00005	0.000323529	YES
Atad3a	<a href="#">108888</a>	-0.740156	-3.31069	0.00005	0.000323529	YES
Flt1	<a href="#">14254</a>	-0.740334	-3.10728	0.00005	0.000323529	YES
Cd274	<a href="#">60533</a>	-0.740958	-1.87583	0.00325	0.012803	YES
Pla2g6	<a href="#">53357</a>	-0.74098	-2.65806	0.00005	0.000323529	YES
Bend3	<a href="#">331623</a>	-0.741076	-2.68819	0.00005	0.000323529	YES
Haus1	<a href="#">225745</a>	-0.741139	-2.9292	0.00005	0.000323529	YES
Tfam	<a href="#">21780</a>	-0.741314	-3.32036	0.00005	0.000323529	YES
Psmb7	<a href="#">19177</a>	-0.741691	-4.16068	0.00005	0.000323529	YES
Id1	<a href="#">15901</a>	-0.741979	-3.11291	0.00035	0.00186438	YES
Anp32b	<a href="#">67628</a>	-0.74211	-3.40456	0.00005	0.000323529	YES
Zfp759	<a href="#">268670</a>	-0.742346	-1.79782	0.00395	0.0151103	YES
Wnt4	<a href="#">22417</a>	-0.742475	-3.24529	0.00005	0.000323529	YES
Lep	<a href="#">16846</a>	-0.74261	-2.1837	0.0005	0.00254778	YES
Metap2	<a href="#">56307</a>	-0.742951	-3.55717	0.00005	0.000323529	YES
Abhd11	<a href="#">68758</a>	-0.743455	-3.9122	0.00005	0.000323529	YES
Fmn1	<a href="#">71409</a>	-0.743811	-2.42028	0.0001	0.000610637	YES
Cnksr3	<a href="#">215748</a>	-0.744355	-2.59783	0.0003	0.00163174	YES
Nmnat1	<a href="#">66454</a>	-0.745176	-2.73362	0.00015	0.000880082	YES

Rnf144a	<a href="#">108089</a>	-0.746065	-1.97507	0.00145	0.0063961	YES
Dnajb4	<a href="#">67035</a>	-0.746627	-3.4262	0.00005	0.000323529	YES
Immt	<a href="#">76614</a>	-0.746666	-3.07148	0.00005	0.000323529	YES
AI314180	<a href="#">230249</a>	-0.746779	-3.39224	0.00005	0.000323529	YES
Naa25	<a href="#">231713</a>	-0.747947	-3.05294	0.00005	0.000323529	YES
Ptcd3	<a href="#">69956</a>	-0.74846	-3.49531	0.00005	0.000323529	YES
1810029B16Rik	<a href="#">66282</a>	-0.74853	-2.35067	0.00035	0.00186438	YES
Acad8	<a href="#">66948</a>	-0.748652	-3.6756	0.00005	0.000323529	YES
Nrd1	<a href="#">230598</a>	-0.749208	-2.75386	0.00005	0.000323529	YES
Vezt	<a href="#">215008</a>	-0.749468	-3.42581	0.00005	0.000323529	YES
1500011K16Rik	<a href="#">67885</a>	-0.749728	-2.34399	0.00085	0.00404799	YES
Gm15441	<a href="#">100038464</a>	-0.749743	-1.94118	0.00165	0.00715394	YES
Phf20l1	<a href="#">239510</a>	-0.749854	-3.18909	0.00005	0.000323529	YES
C1qtnf9	<a href="#">239126</a>	-0.749866	-1.87998	0.00205	0.00859219	YES
Egr1	<a href="#">13653</a>	-0.75037	-2.14884	0.0018	0.00770449	YES
Zfp597	<a href="#">71063</a>	-0.750572	-2.11722	0.0009	0.00424116	YES
Myzap	<a href="#">102371</a>	-0.751492	-2.22754	0.00015	0.000880082	YES
Mapk14	<a href="#">26416</a>	-0.752244	-3.47579	0.00005	0.000323529	YES
Npnt	<a href="#">114249</a>	-0.752934	-2.30338	0.00005	0.000323529	YES
Polb	<a href="#">18970</a>	-0.753023	-3.55002	0.00005	0.000323529	YES
Mapkapk5	<a href="#">17165</a>	-0.753305	-3.72748	0.00005	0.000323529	YES
Sox17	<a href="#">20671</a>	-0.753374	-2.52593	0.0004	0.00210083	YES
Suclg1	<a href="#">56451</a>	-0.753539	-3.91156	0.00005	0.000323529	YES
Spryd4	<a href="#">66701</a>	-0.753709	-3.13137	0.00005	0.000323529	YES
Pdhb	<a href="#">68263</a>	-0.75386	-3.88887	0.00005	0.000323529	YES
Gimap6	<a href="#">231931</a>	-0.753887	-2.89441	0.00005	0.000323529	YES
Atp5s	<a href="#">68055</a>	-0.753939	-3.14135	0.00005	0.000323529	YES
Mapkapk3	<a href="#">102626</a>	-0.754613	-3.54268	0.00005	0.000323529	YES
Stt3b	<a href="#">68292</a>	-0.754752	-3.75164	0.00005	0.000323529	YES
Spag1	<a href="#">26942</a>	-0.754894	-1.46639	0.0144	0.0448627	YES
Obscn	<a href="#">380698</a>	-0.75537	-2.65681	0.00005	0.000323529	YES
Parp16	<a href="#">214424</a>	-0.75549	-2.6794	0.0001	0.000610637	YES
Dusp28	<a href="#">67446</a>	-0.756314	-3.81607	0.00005	0.000323529	YES
Pcgf5	<a href="#">76073</a>	-0.757561	-3.17703	0.00005	0.000323529	YES
Fgd3	<a href="#">30938</a>	-0.757818	-1.522	0.01175	0.0378667	YES
Pcdh12	<a href="#">53601</a>	-0.758042	-1.76673	0.0034	0.0132809	YES
Wnt5a	<a href="#">22418</a>	-0.758106	-2.52146	0.0001	0.000610637	YES
Notch4	<a href="#">18132</a>	-0.758478	-2.69999	0.00005	0.000323529	YES
Cisd1	<a href="#">52637</a>	-0.758557	-4.45248	0.00005	0.000323529	YES
Ets1	<a href="#">23871</a>	-0.758637	-2.86932	0.00005	0.000323529	YES
Cutc	<a href="#">66388</a>	-0.759335	-2.8881	0.00005	0.000323529	YES
Mrpl33	<a href="#">66845</a>	-0.759467	-5.7763	0.00005	0.000323529	YES
Crybg3	<a href="#">224273</a>	-0.759754	-2.86824	0.00005	0.000323529	YES
Rnf11	<a href="#">29864</a>	-0.759818	-4.02006	0.00005	0.000323529	YES
Tmem93	<a href="#">66048</a>	-0.761056	-3.56074	0.00005	0.000323529	YES
Gpr4	<a href="#">319197</a>	-0.7618	-1.85898	0.00725	0.0252978	YES
Lrrc56	<a href="#">70552</a>	-0.762603	-1.54303	0.012	0.0384753	YES

C80913	<a href="#">19777</a>	-0.764258	-3.44507	0.00005	0.000323529	YES
Catsper2	<a href="#">212670</a>	-0.764399	-1.76281	0.0076	0.026309	YES
Zfp36l1	<a href="#">12192</a>	-0.764453	-3.78924	0.00005	0.000323529	YES
Gkap1	<a href="#">56278</a>	-0.765111	-3.10088	0.00005	0.000323529	YES
Prkrir	<a href="#">72981</a>	-0.765813	-3.60385	0.00005	0.000323529	YES
Gm26840		-0.76608	-2.11786	0.00035	0.00186438	YES
Ndufa1	<a href="#">54405</a>	-0.766248	-6.00388	0.00005	0.000323529	YES
Tmem147	<a href="#">69804</a>	-0.766971	-4.7312	0.00005	0.000323529	YES
Kif1b	<a href="#">16561</a>	-0.767138	-3.19631	0.00005	0.000323529	YES
0610012G03Rik	<a href="#">106264</a>	-0.767418	-4.02204	0.00005	0.000323529	YES
Abcb1b	<a href="#">18669</a>	-0.767455	-2.18828	0.0002	0.0011411	YES
Lhpp	<a href="#">76429</a>	-0.767724	-3.09785	0.00005	0.000323529	YES
AW112010	<a href="#">107350</a>	-0.767768	-2.70133	0.0006	0.0029726	YES
Ube2f	<a href="#">67921</a>	-0.767792	-3.70911	0.00005	0.000323529	YES
Tbx15	<a href="#">21384</a>	-0.768478	-3.60375	0.00005	0.000323529	YES
Atg4a	<a href="#">666468</a>	-0.76868	-3.57991	0.00005	0.000323529	YES
Ppif	<a href="#">105675</a>	-0.769885	-3.8173	0.00005	0.000323529	YES
Taco1	<a href="#">70207</a>	-0.770652	-2.95575	0.00005	0.000323529	YES
Itga6	<a href="#">16403</a>	-0.771153	-2.90864	0.00005	0.000323529	YES
Zc3h8	<a href="#">57432</a>	-0.771185	-2.54797	0.00015	0.000880082	YES
Atp5g3	<a href="#">228033</a>	-0.772036	-4.47218	0.00005	0.000323529	YES
Aco2	<a href="#">11429</a>	-0.772924	-2.74316	0.00005	0.000323529	YES
Dnajc7	<a href="#">56354</a>	-0.773002	-3.69204	0.00005	0.000323529	YES
D8Ertd82e	<a href="#">244418</a>	-0.773276	-2.23036	0.00035	0.00186438	YES
Gm10687	<a href="#">100038560</a>	-0.773299	-1.65406	0.00835	0.028399	YES
Cxcr4	<a href="#">12767</a>	-0.773612	-2.16116	0.002	0.00841627	YES
2310030N02Rik	<a href="#">76947</a>	-0.773668	-3.23408	0.00005	0.000323529	YES
Nme6	<a href="#">54369</a>	-0.773751	-3.29427	0.00005	0.000323529	YES
Ube2q2	<a href="#">109161</a>	-0.774013	-3.50592	0.00005	0.000323529	YES
Mapre2	<a href="#">212307</a>	-0.774126	-3.18129	0.00005	0.000323529	YES
B330016D10Rik	<a href="#">320456</a>	-0.774128	-2.66935	0.00035	0.00186438	YES
Rasa4	<a href="#">54153</a>	-0.775559	-3.39159	0.00005	0.000323529	YES
Ppp2r2d	<a href="#">52432</a>	-0.776477	-3.40513	0.00005	0.000323529	YES
Snrnd3	<a href="#">67332</a>	-0.776884	-4.56309	0.00005	0.000323529	YES
Mmp15	<a href="#">17388</a>	-0.778523	-3.13446	0.00005	0.000323529	YES
Tex9	<a href="#">21778</a>	-0.779107	-1.56258	0.00515	0.0189718	YES
Cpox	<a href="#">12892</a>	-0.779143	-3.44675	0.00005	0.000323529	YES
Mettl22	<a href="#">239706</a>	-0.779423	-4.05975	0.00005	0.000323529	YES
Sdhc	<a href="#">66052</a>	-0.779599	-4.49959	0.00005	0.000323529	YES
Tmem38a	<a href="#">74166</a>	-0.779641	-3.31713	0.00005	0.000323529	YES
Plekha6	<a href="#">240753</a>	-0.780297	-3.4109	0.00005	0.000323529	YES
Afap1l1	<a href="#">106877</a>	-0.780442	-2.72915	0.00005	0.000323529	YES
Entpd6	<a href="#">12497</a>	-0.780746	-2.23758	0.0001	0.000610637	YES
Mypn	<a href="#">68802</a>	-0.781286	-3.53617	0.00005	0.000323529	YES
Aifm1	<a href="#">26926</a>	-0.781422	-3.61615	0.00005	0.000323529	YES
Tubg1	<a href="#">103733</a>	-0.782301	-3.4758	0.00005	0.000323529	YES
Chrna9	<a href="#">231252</a>	-0.782504	-3.48762	0.00005	0.000323529	YES

Cox6a2	<a href="#">12862</a>	-0.782978	-3.57885	0.00005	0.000323529	YES
Tmem177	<a href="#">66343</a>	-0.78335	-2.98141	0.00005	0.000323529	YES
Zcchc11	<a href="#">230594</a>	-0.783985	-3.08652	0.00005	0.000323529	YES
Memo1	<a href="#">76890</a>	-0.78412	-3.8755	0.00005	0.000323529	YES
Akap9	<a href="#">100986</a>	-0.784545	-3.24287	0.00005	0.000323529	YES
Zfp560	<a href="#">434377</a>	-0.784774	-2.24712	0.0003	0.00163174	YES
A430046D13Rik	<a href="#">654440</a>	-0.784904	-2.97947	0.00005	0.000323529	YES
Rph3al	<a href="#">380714</a>	-0.785186	-2.01459	0.0027	0.0108761	YES
Lipt1	<a href="#">623661</a>	-0.785543	-2.34749	0.00055	0.00276141	YES
Ung	<a href="#">22256</a>	-0.785582	-1.50527	0.01575	0.0481999	YES
Rev3l	<a href="#">19714</a>	-0.785889	-3.36022	0.00005	0.000323529	YES
Zbtb46	<a href="#">72147</a>	-0.785892	-1.64234	0.00495	0.0183424	YES
Jak2	<a href="#">16452</a>	-0.786302	-3.31242	0.00005	0.000323529	YES
Slc28a2	<a href="#">269346</a>	-0.78684	-2.79452	0.00005	0.000323529	YES
Slc35e1	<a href="#">270066</a>	-0.787033	-3.71444	0.00005	0.000323529	YES
Dennd4b	<a href="#">229541</a>	-0.787182	-3.86804	0.00005	0.000323529	YES
Apol10b	<a href="#">328561</a>	-0.787833	-2.17557	0.0003	0.00163174	YES
Prss36	<a href="#">77613</a>	-0.787877	-2.52577	0.00025	0.00138761	YES
Galnt12	<a href="#">78754</a>	-0.788201	-2.66675	0.00005	0.000323529	YES
Epb4.1	<a href="#">269587</a>	-0.788443	-3.46323	0.00005	0.000323529	YES
Coq5	<a href="#">52064</a>	-0.788739	-3.82442	0.00005	0.000323529	YES
Paqr8	<a href="#">74229</a>	-0.789385	-1.58024	0.01155	0.0373216	YES
Speg	<a href="#">11790</a>	-0.790096	-2.69274	0.00005	0.000323529	YES
Gm15469		-0.790234	-1.52593	0.0164	0.0497823	YES
Clic5	<a href="#">224796</a>	-0.790418	-3.7217	0.00005	0.000323529	YES
Ric8b	<a href="#">237422</a>	-0.790566	-3.40988	0.00005	0.000323529	YES
Mgat4a	<a href="#">269181</a>	-0.791787	-3.50444	0.00005	0.000323529	YES
Rab40b	<a href="#">217371</a>	-0.791963	-3.23267	0.00005	0.000323529	YES
Coq3	<a href="#">230027</a>	-0.792572	-3.23699	0.00005	0.000323529	YES
Zfp14	<a href="#">243906</a>	-0.792888	-2.32547	0.0001	0.000610637	YES
Parp8	<a href="#">52552</a>	-0.79309	-3.3877	0.00005	0.000323529	YES
Aqp1	<a href="#">11826</a>	-0.793231	-3.86009	0.00005	0.000323529	YES
9430091E24Rik	<a href="#">434350</a>	-0.793481	-3.24753	0.00005	0.000323529	YES
Acsl6	<a href="#">216739</a>	-0.793612	-2.15653	0.00065	0.00319117	YES
Myocd	<a href="#">214384</a>	-0.794273	-1.44051	0.0148	0.0458095	YES
Rcan2	<a href="#">53901</a>	-0.79541	-3.51641	0.00005	0.000323529	YES
Atp5g2	<a href="#">67942</a>	-0.795668	-5.45597	0.00005	0.000323529	YES
Mtrf1	<a href="#">211253</a>	-0.796621	-2.98885	0.00005	0.000323529	YES
Itgb6	<a href="#">16420</a>	-0.797064	-3.58086	0.00005	0.000323529	YES
Zfp943	<a href="#">74670</a>	-0.797097	-3.16074	0.00005	0.000323529	YES
Atp5j2	<a href="#">57423</a>	-0.79733	-6.12363	0.00005	0.000323529	YES
Pcdh1	<a href="#">75599</a>	-0.797975	-2.3168	0.0004	0.00210083	YES
1700021F05Rik	<a href="#">67851</a>	-0.798119	-3.9638	0.00005	0.000323529	YES
R fwd2	<a href="#">26374</a>	-0.798574	-3.62241	0.00005	0.000323529	YES
Sdha	<a href="#">66945</a>	-0.79861	-3.29336	0.00005	0.000323529	YES
Zfp72	<a href="#">238722</a>	-0.798663	-1.63872	0.0133	0.0419509	YES
Setbp1	<a href="#">240427</a>	-0.79881	-3.22325	0.00005	0.000323529	YES

Coasy	<a href="#">71743</a>	-0.799787	-3.07117	0.00005	0.000323529	YES
Prkaa2	<a href="#">108079</a>	-0.79985	-3.90063	0.00005	0.000323529	YES
Tsc22d3	<a href="#">14605</a>	-0.800022	-3.72211	0.00005	0.000323529	YES
Ttc32	<a href="#">75516</a>	-0.800342	-3.48249	0.00005	0.000323529	YES
Wfdc1	<a href="#">67866</a>	-0.800525	-4.25311	0.00005	0.000323529	YES
Atp5c1	<a href="#">11949</a>	-0.800943	-3.16549	0.00005	0.000323529	YES
Thoc7	<a href="#">66231</a>	-0.802036	-3.27037	0.00005	0.000323529	YES
Hp	<a href="#">15439</a>	-0.802084	-3.21834	0.00005	0.000323529	YES
Ttc21b	<a href="#">73668</a>	-0.802136	-2.55419	0.00005	0.000323529	YES
Golga4	<a href="#">54214</a>	-0.802171	-3.23576	0.00005	0.000323529	YES
Tle4	<a href="#">21888</a>	-0.802391	-3.59572	0.00005	0.000323529	YES
Sox6	<a href="#">20679</a>	-0.802456	-3.62091	0.00005	0.000323529	YES
Mrps28	<a href="#">66230</a>	-0.80262	-4.70854	0.00005	0.000323529	YES
Angptl1	<a href="#">72713</a>	-0.80325	-2.10608	0.00005	0.000323529	YES
Pip4k2b	<a href="#">108083</a>	-0.803396	-3.80193	0.00005	0.000323529	YES
Nexn	<a href="#">68810</a>	-0.803802	-3.31791	0.00005	0.000323529	YES
Prdx3	<a href="#">11757</a>	-0.80385	-4.45298	0.00005	0.000323529	YES
Ndufa6	<a href="#">67130</a>	-0.804082	-5.51701	0.00005	0.000323529	YES
4933403G14Rik	<a href="#">74393</a>	-0.8044	-1.82291	0.0034	0.0132809	YES
Uqcrq	<a href="#">22272</a>	-0.804664	-6.65472	0.00005	0.000323529	YES
Fyco1	<a href="#">17281</a>	-0.804728	-3.40905	0.00005	0.000323529	YES
Mrm1	<a href="#">217038</a>	-0.805205	-2.6852	0.0001	0.000610637	YES
Psma7	<a href="#">26444</a>	-0.805513	-4.62298	0.00005	0.000323529	YES
Mrpl35	<a href="#">66223</a>	-0.805617	-3.72375	0.00005	0.000323529	YES
Cdv3	<a href="#">321022</a>	-0.805934	-3.66018	0.00005	0.000323529	YES
Tmem70	<a href="#">70397</a>	-0.806218	-3.84201	0.00005	0.000323529	YES
Arhgef15	<a href="#">442801</a>	-0.806718	-3.16879	0.00005	0.000323529	YES
Rilpl1	<a href="#">75695</a>	-0.807205	-3.88792	0.00005	0.000323529	YES
Tusc5	<a href="#">237858</a>	-0.807501	-1.66972	0.00775	0.02674	YES
Adamts7	<a href="#">108153</a>	-0.807945	-1.5946	0.01105	0.0359348	YES
Ccdc86	<a href="#">108673</a>	-0.80816	-2.67196	0.00005	0.000323529	YES
Pigy	<a href="#">66459</a>	-0.808247	-3.76282	0.00005	0.000323529	YES
Denr	<a href="#">68184</a>	-0.808929	-3.86427	0.00005	0.000323529	YES
Kdr	<a href="#">16542</a>	-0.809597	-3.41553	0.00005	0.000323529	YES
Cox6b1	<a href="#">110323</a>	-0.810317	-5.93975	0.00005	0.000323529	YES
Psmd4	<a href="#">19185</a>	-0.81113	-4.22386	0.00005	0.000323529	YES
Gm16163	<a href="#">100303730</a>	-0.811168	-1.48435	0.01215	0.0388691	YES
Aqp7	<a href="#">11832</a>	-0.811588	-2.49644	0.0003	0.00163174	YES
Usp53	<a href="#">99526</a>	-0.812554	-2.75204	0.00005	0.000323529	YES
Slc26a6	<a href="#">171429</a>	-0.813376	-3.05653	0.00005	0.000323529	YES
Sypl2	<a href="#">17306</a>	-0.814076	-4.06786	0.00005	0.000323529	YES
Rabgef1	<a href="#">56715</a>	-0.814938	-3.40755	0.00005	0.000323529	YES
Gm26767		-0.815262	-1.47447	0.0097	0.0322173	YES
Vipr2	<a href="#">22355</a>	-0.81528	-1.76828	0.0058	0.0209252	YES
Ociad2	<a href="#">433904</a>	-0.815629	-4.02177	0.00005	0.000323529	YES
Trim54	<a href="#">58522</a>	-0.815766	-3.65909	0.00005	0.000323529	YES
Gtf3a	<a href="#">66596</a>	-0.816132	-2.51004	0.0004	0.00210083	YES

Timm17a	<a href="#">21854</a>	-0.816314	-4.80276	0.00005	0.000323529	YES
4933403F05Rik	<a href="#">108654</a>	-0.816515	-3.87866	0.00005	0.000323529	YES
BC018507	<a href="#">218333</a>	-0.816846	-3.62304	0.00005	0.000323529	YES
Cyp27a1	<a href="#">104086</a>	-0.817276	-4.07592	0.00005	0.000323529	YES
Mapk1ip1	<a href="#">69546</a>	-0.8176	-3.47906	0.00005	0.000323529	YES
Calm2	<a href="#">12314</a>	-0.817649	-4.31059	0.00005	0.000323529	YES
Idh2	<a href="#">269951</a>	-0.817672	-3.97641	0.00005	0.000323529	YES
Slc39a2	<a href="#">214922</a>	-0.817805	-1.68463	0.01455	0.0451958	YES
Kcnk1	<a href="#">16525</a>	-0.818445	-2.30567	0.0005	0.00254778	YES
Hint2	<a href="#">68917</a>	-0.819012	-5.05467	0.00005	0.000323529	YES
Cpeb4	<a href="#">67579</a>	-0.819655	-3.20385	0.00005	0.000323529	YES
Tmem5	<a href="#">216395</a>	-0.820307	-3.81172	0.00005	0.000323529	YES
Svil	<a href="#">225115</a>	-0.821554	-3.55868	0.00005	0.000323529	YES
Il1r2	<a href="#">16178</a>	-0.821696	-1.65209	0.0083	0.0282595	YES
Csrp2bp	<a href="#">228714</a>	-0.82273	-3.21358	0.00005	0.000323529	YES
Nudt19	<a href="#">110959</a>	-0.822959	-4.50457	0.00005	0.000323529	YES
Rhobtb2	<a href="#">246710</a>	-0.822992	-3.58129	0.00005	0.000323529	YES
Nme2	<a href="#">18103</a>	-0.823143	-3.64498	0.00005	0.000323529	YES
Prdm9	<a href="#">213389</a>	-0.823419	-1.85251	0.00195	0.00825222	YES
Ndufb11	<a href="#">104130</a>	-0.823529	-4.79419	0.00005	0.000323529	YES
2010107E04Rik	<a href="#">70257</a>	-0.823968	-8.55909	0.00005	0.000323529	YES
Mtx3	<a href="#">382793</a>	-0.824429	-3.60312	0.00005	0.000323529	YES
Snn	<a href="#">20621</a>	-0.827641	-3.41716	0.00005	0.000323529	YES
Prune2	<a href="#">353211</a>	-0.829668	-3.53997	0.00005	0.000323529	YES
Nudt14	<a href="#">66174</a>	-0.83001	-3.41465	0.00005	0.000323529	YES
Gatsl2	<a href="#">80909</a>	-0.830414	-4.00058	0.00005	0.000323529	YES
Comp	<a href="#">12845</a>	-0.830947	-1.98594	0.00215	0.00894696	YES
Naa20	<a href="#">67877</a>	-0.832646	-3.42315	0.00005	0.000323529	YES
Fem1c	<a href="#">240263</a>	-0.83285	-3.22521	0.00005	0.000323529	YES
Jarid2	<a href="#">16468</a>	-0.832967	-3.45672	0.00005	0.000323529	YES
Dll4	<a href="#">54485</a>	-0.83297	-2.70926	0.00005	0.000323529	YES
Irx3	<a href="#">16373</a>	-0.833147	-2.80412	0.00005	0.000323529	YES
Aen	<a href="#">68048</a>	-0.833406	-3.14289	0.00005	0.000323529	YES
1110005A03Rik	<a href="#">74319</a>	-0.834393	-4.32084	0.00005	0.000323529	YES
Tbrg4	<a href="#">21379</a>	-0.834633	-3.72204	0.00005	0.000323529	YES
Ednrb	<a href="#">13618</a>	-0.83507	-2.33821	0.0002	0.0011411	YES
Gps2	<a href="#">56310</a>	-0.835662	-3.70201	0.00005	0.000323529	YES
Sypl	<a href="#">19027</a>	-0.835889	-4.16965	0.00005	0.000323529	YES
Ndufa12	<a href="#">66414</a>	-0.83591	-5.91511	0.00005	0.000323529	YES
Piga	<a href="#">18700</a>	-0.836046	-1.76736	0.0083	0.0282595	YES
Myct1	<a href="#">68632</a>	-0.836056	-2.71351	0.0001	0.000610637	YES
Gbp4	<a href="#">17472</a>	-0.836686	-2.69289	0.00005	0.000323529	YES
Ccdc45	<a href="#">320162</a>	-0.836773	-2.40884	0.00005	0.000323529	YES
Rpia	<a href="#">19895</a>	-0.837634	-3.57175	0.00005	0.000323529	YES
Mrpl12	<a href="#">56282</a>	-0.837766	-4.56542	0.00005	0.000323529	YES
1700049G17Rik	<a href="#">73430</a>	-0.838577	-2.11902	0.0006	0.0029726	YES
Gm16576	<a href="#">100504191</a>	-0.838654	-2.12782	0.00045	0.00232845	YES

Naa16	<a href="#">66897</a>	-0.839951	-2.56793	0.00005	0.000323529	YES
Il12rb2	<a href="#">16162</a>	-0.841149	-1.74048	0.0048	0.0178539	YES
Camk2a	<a href="#">12322</a>	-0.841565	-3.87203	0.00005	0.000323529	YES
Pnpla3	<a href="#">116939</a>	-0.841705	-2.68983	0.00005	0.000323529	YES
Grpel1	<a href="#">17713</a>	-0.841875	-3.36711	0.00005	0.000323529	YES
Jph2	<a href="#">59091</a>	-0.842043	-3.84176	0.00005	0.000323529	YES
Gimap8	<a href="#">243374</a>	-0.842536	-2.20398	0.0003	0.00163174	YES
Jph1	<a href="#">57339</a>	-0.843064	-4.16591	0.00005	0.000323529	YES
Cul3	<a href="#">26554</a>	-0.844789	-3.88636	0.00005	0.000323529	YES
Serpinb6a	<a href="#">20719</a>	-0.844878	-3.24044	0.00005	0.000323529	YES
Als2cl	<a href="#">235633</a>	-0.845444	-3.00663	0.00005	0.000323529	YES
Usmg5	<a href="#">66477</a>	-0.845635	-3.73286	0.00005	0.000323529	YES
Ap4s1	<a href="#">11782</a>	-0.846075	-1.82741	0.0026	0.0105407	YES
Pitpnm2	<a href="#">19679</a>	-0.846446	-3.95435	0.00005	0.000323529	YES
Ptprb	<a href="#">19263</a>	-0.846864	-3.75069	0.00005	0.000323529	YES
Lrrc51	<a href="#">69358</a>	-0.847049	-1.58851	0.0073	0.0254497	YES
Zbtb44	<a href="#">235132</a>	-0.847551	-3.83934	0.00005	0.000323529	YES
Rab10	<a href="#">19325</a>	-0.847701	-3.88446	0.00005	0.000323529	YES
Afg3l2	<a href="#">69597</a>	-0.848091	-3.99077	0.00005	0.000323529	YES
Ppp1r12b	<a href="#">329251</a>	-0.848562	-3.81596	0.00005	0.000323529	YES
Cacng6	<a href="#">54378</a>	-0.849514	-4.81908	0.00005	0.000323529	YES
She	<a href="#">214547</a>	-0.849612	-2.65514	0.00005	0.000323529	YES
Chrne	<a href="#">11448</a>	-0.849937	-3.49732	0.00005	0.000323529	YES
Gm13008		-0.850278	-2.19677	0.00805	0.0275875	YES
Fastkd5	<a href="#">380601</a>	-0.850292	-2.00488	0.00035	0.00186438	YES
Camta1	<a href="#">100072</a>	-0.850437	-3.03809	0.00005	0.000323529	YES
Acot13	<a href="#">66834</a>	-0.850724	-5.09038	0.00005	0.000323529	YES
Mob1b	<a href="#">68473</a>	-0.850787	-3.2401	0.00005	0.000323529	YES
Fam70a	<a href="#">245386</a>	-0.850843	-2.62577	0.00015	0.000880082	YES
Suox	<a href="#">211389</a>	-0.850947	-4.10686	0.00005	0.000323529	YES
Pecam1	<a href="#">18613</a>	-0.851112	-3.68698	0.00005	0.000323529	YES
Osbpl6	<a href="#">99031</a>	-0.85221	-3.297	0.00005	0.000323529	YES
Slc37a1	<a href="#">224674</a>	-0.852519	-2.24672	0.0002	0.0011411	YES
Psmb2	<a href="#">26445</a>	-0.852891	-5.14487	0.00005	0.000323529	YES
2310043L19Rik	<a href="#">75589</a>	-0.85368	-3.97244	0.00005	0.000323529	YES
Arih2	<a href="#">23807</a>	-0.853914	-4.02833	0.00005	0.000323529	YES
Amz2	<a href="#">13929</a>	-0.854008	-4.23567	0.00005	0.000323529	YES
Eif3h	<a href="#">68135</a>	-0.854334	-4.55932	0.00005	0.000323529	YES
Gm9581	<a href="#">672884</a>	-0.854594	-1.9478	0.00055	0.00276141	YES
Dvl1	<a href="#">13542</a>	-0.854697	-4.21277	0.00005	0.000323529	YES
Gpc1	<a href="#">14733</a>	-0.855212	-3.95508	0.00005	0.000323529	YES
Rnmtl1	<a href="#">67390</a>	-0.855306	-3.12861	0.00005	0.000323529	YES
Cdc42ep2	<a href="#">104252</a>	-0.856091	-3.96291	0.00005	0.000323529	YES
Vdac2	<a href="#">22334</a>	-0.856463	-4.23024	0.00005	0.000323529	YES
Asb5	<a href="#">76294</a>	-0.856848	-3.26541	0.00005	0.000323529	YES
4930578C19Rik	<a href="#">75905</a>	-0.856941	-1.60186	0.01535	0.0472608	YES
Cox7a1	<a href="#">12865</a>	-0.857352	-8.29458	0.00005	0.000323529	YES

Mpp5	<a href="#">56217</a>	-0.857526	-3.91889	0.00005	0.000323529	YES
Ggta1	<a href="#">14594</a>	-0.857869	-2.9137	0.00005	0.000323529	YES
Prkcq	<a href="#">18761</a>	-0.858052	-3.95946	0.00005	0.000323529	YES
Ifrd2	<a href="#">15983</a>	-0.858273	-4.1999	0.00005	0.000323529	YES
Msh3	<a href="#">17686</a>	-0.858368	-2.96731	0.00005	0.000323529	YES
Gm16933		-0.859614	-2.05989	0.00145	0.0063961	YES
4930453N24Rik	<a href="#">67609</a>	-0.859823	-3.98817	0.00005	0.000323529	YES
Pfdn1	<a href="#">67199</a>	-0.860409	-4.51632	0.00005	0.000323529	YES
Bin1	<a href="#">30948</a>	-0.860437	-3.28137	0.00005	0.000323529	YES
Gbp9	<a href="#">236573</a>	-0.861641	-2.8055	0.00005	0.000323529	YES
D830044D21Rik	<a href="#">320621</a>	-0.861674	-2.02409	0.0008	0.00383425	YES
Lin9	<a href="#">72568</a>	-0.86246	-2.0908	0.0004	0.00210083	YES
Mrpl18	<a href="#">67681</a>	-0.86324	-4.75618	0.00005	0.000323529	YES
Gadd45b	<a href="#">17873</a>	-0.863712	-3.70677	0.00005	0.000323529	YES
Uqcrb	<a href="#">67530</a>	-0.863881	-6.21727	0.00005	0.000323529	YES
A430105I19Rik	<a href="#">214239</a>	-0.864241	-3.87144	0.00005	0.000323529	YES
Galnt7	<a href="#">108150</a>	-0.864276	-2.23773	0.00025	0.00138761	YES
Stard10	<a href="#">56018</a>	-0.864471	-3.09399	0.00005	0.000323529	YES
Dusp6	<a href="#">67603</a>	-0.864903	-3.45698	0.00005	0.000323529	YES
Aimp2	<a href="#">231872</a>	-0.864967	-2.66245	0.00005	0.000323529	YES
Slc25a4	<a href="#">11739</a>	-0.864968	-3.01251	0.00015	0.000880082	YES
Ndufb10	<a href="#">68342</a>	-0.866584	-5.26179	0.00005	0.000323529	YES
Rbfox1	<a href="#">268859</a>	-0.867068	-4.18966	0.00005	0.000323529	YES
Cd209d	<a href="#">170779</a>	-0.868755	-1.76913	0.01535	0.0472608	YES
Nrarp	<a href="#">67122</a>	-0.869301	-3.0156	0.0001	0.000610637	YES
Fh1	<a href="#">14194</a>	-0.869518	-4.31298	0.00005	0.000323529	YES
Cdh23	<a href="#">22295</a>	-0.870208	-1.65752	0.01095	0.035676	YES
Ano5	<a href="#">233246</a>	-0.870279	-4.09457	0.00005	0.000323529	YES
Phb2	<a href="#">12034</a>	-0.870489	-4.11727	0.00005	0.000323529	YES
Gimap4	<a href="#">107526</a>	-0.870613	-1.98181	0.00065	0.00319117	YES
Senp8	<a href="#">71599</a>	-0.870615	-2.34684	0.00005	0.000323529	YES
1190007I07Rik	<a href="#">544717</a>	-0.8707	-2.89994	0.00005	0.000323529	YES
Fam131b	<a href="#">76156</a>	-0.870759	-2.22535	0.0002	0.0011411	YES
Fli1	<a href="#">14247</a>	-0.871265	-2.66227	0.00005	0.000323529	YES
Uck2	<a href="#">80914</a>	-0.871288	-2.93066	0.00015	0.000880082	YES
Gzmm	<a href="#">16904</a>	-0.871468	-2.24705	0.00105	0.00485494	YES
Thrb	<a href="#">21834</a>	-0.871812	-3.10152	0.00005	0.000323529	YES
Cyrr1	<a href="#">224405</a>	-0.872294	-1.8758	0.0066	0.0233404	YES
Nudt18	<a href="#">213484</a>	-0.872417	-3.15828	0.00005	0.000323529	YES
Ubc	<a href="#">22190</a>	-0.872436	-3.9605	0.00005	0.000323529	YES
Plxnd1	<a href="#">67784</a>	-0.872946	-4.19151	0.00005	0.000323529	YES
Ndufaf4	<a href="#">68493</a>	-0.873291	-3.65173	0.00005	0.000323529	YES
Lrba	<a href="#">80877</a>	-0.873359	-3.90388	0.00005	0.000323529	YES
Mgat4b	<a href="#">103534</a>	-0.873783	-4.33296	0.00005	0.000323529	YES
Rasgrp3	<a href="#">240168</a>	-0.874115	-3.94346	0.00005	0.000323529	YES
Mybpc1	<a href="#">109272</a>	-0.874513	-2.3462	0.00005	0.000323529	YES
Pdhx	<a href="#">27402</a>	-0.876002	-4.24716	0.00005	0.000323529	YES

Otub2	<a href="#">68149</a>	-0.877258	-2.45965	0.00005	0.000323529	YES
Meox2	<a href="#">17286</a>	-0.877604	-3.04896	0.00005	0.000323529	YES
Zfp91	<a href="#">109910</a>	-0.878005	-4.05789	0.00005	0.000323529	YES
Idh3g	<a href="#">15929</a>	-0.878372	-4.37702	0.00005	0.000323529	YES
Ube4a	<a href="#">140630</a>	-0.879694	-4.0352	0.00005	0.000323529	YES
Gm26858		-0.880671	-2.38606	0.0003	0.00163174	YES
Dll1	<a href="#">13388</a>	-0.880678	-2.56401	0.00005	0.000323529	YES
Pdha1	<a href="#">18597</a>	-0.881164	-3.51653	0.00005	0.000323529	YES
Fam101b	<a href="#">76566</a>	-0.881559	-3.0358	0.00005	0.000323529	YES
Wbscr17	<a href="#">212996</a>	-0.882126	-3.96054	0.00005	0.000323529	YES
C130074G19Rik	<a href="#">226777</a>	-0.882165	-3.66757	0.00005	0.000323529	YES
Setd8	<a href="#">67956</a>	-0.882256	-4.22395	0.00005	0.000323529	YES
9330159F19Rik	<a href="#">212448</a>	-0.882489	-4.118	0.00005	0.000323529	YES
Pgp	<a href="#">67078</a>	-0.882968	-5.24698	0.00005	0.000323529	YES
B230118H07Rik	<a href="#">68170</a>	-0.883129	-3.81926	0.00005	0.000323529	YES
Gch1	<a href="#">14528</a>	-0.883524	-2.71413	0.00005	0.000323529	YES
Ndrg2	<a href="#">29811</a>	-0.886251	-3.08819	0.00005	0.000323529	YES
Cox7c	<a href="#">12867</a>	-0.886958	-7.6136	0.00005	0.000323529	YES
Gm20457		-0.888739	-1.3914	0.0125	0.0397946	YES
6430548M08Rik	<a href="#">234797</a>	-0.890143	-3.55496	0.00005	0.000323529	YES
Atp5f1	<a href="#">11950</a>	-0.890541	-4.28615	0.00005	0.000323529	YES
Cuedc1	<a href="#">103841</a>	-0.891315	-4.00226	0.00005	0.000323529	YES
Ube2e1	<a href="#">22194</a>	-0.89283	-2.83952	0.00005	0.000323529	YES
Grsf1	<a href="#">231413</a>	-0.893753	-3.96865	0.00005	0.000323529	YES
Smyd1	<a href="#">12180</a>	-0.894303	-3.63411	0.00005	0.000323529	YES
Atpaf1	<a href="#">230649</a>	-0.895232	-4.06828	0.00005	0.000323529	YES
Sdhd	<a href="#">66925</a>	-0.895971	-4.91753	0.00005	0.000323529	YES
Mgst3	<a href="#">66447</a>	-0.896003	-6.08355	0.00005	0.000323529	YES
Mrpl47	<a href="#">74600</a>	-0.896078	-3.83382	0.00005	0.000323529	YES
Cdh5	<a href="#">12562</a>	-0.896789	-4.13915	0.00005	0.000323529	YES
Gdap1	<a href="#">14545</a>	-0.896829	-2.58235	0.00005	0.000323529	YES
Faf1	<a href="#">14084</a>	-0.898481	-4.32256	0.00005	0.000323529	YES
Usp38	<a href="#">74841</a>	-0.899499	-3.66876	0.00005	0.000323529	YES
Asrgl1	<a href="#">66514</a>	-0.899837	-3.7907	0.00005	0.000323529	YES
Ugp2	<a href="#">216558</a>	-0.899931	-4.04826	0.00005	0.000323529	YES
Prex1	<a href="#">277360</a>	-0.900869	-3.37536	0.00005	0.000323529	YES
2410015M20Rik	<a href="#">224904</a>	-0.901035	-5.14217	0.00005	0.000323529	YES
Chst3	<a href="#">53374</a>	-0.901231	-1.56567	0.0139	0.0435812	YES
Sema6d	<a href="#">214968</a>	-0.901726	-3.32354	0.00005	0.000323529	YES
Nrbf2	<a href="#">641340</a>	-0.902281	-3.6724	0.00005	0.000323529	YES
Atp5k	<a href="#">11958</a>	-0.902461	-12.4106	0.00005	0.000323529	YES
Ndufb2	<a href="#">68198</a>	-0.904776	-3.68301	0.00005	0.000323529	YES
Neb	<a href="#">17996</a>	-0.905246	-2.29981	0.0002	0.0011411	YES
Tnks2	<a href="#">74493</a>	-0.90528	-4.33105	0.00005	0.000323529	YES
Arpc5l	<a href="#">74192</a>	-0.905822	-4.69428	0.00005	0.000323529	YES
Vwa1	<a href="#">246228</a>	-0.906325	-2.56893	0.0002	0.0011411	YES
Aldh5a1	<a href="#">214579</a>	-0.906359	-2.96485	0.00005	0.000323529	YES

Rtp4	<a href="#">67775</a>	-0.906898	-2.43155	0.00005	0.000323529	YES
Egln1	<a href="#">112405</a>	-0.907179	-4.67333	0.00005	0.000323529	YES
Atp5j	<a href="#">11957</a>	-0.907461	-5.16405	0.00005	0.000323529	YES
Ndufs1	<a href="#">227197</a>	-0.907565	-3.64465	0.00005	0.000323529	YES
Gm10069	<a href="#">791299</a>	-0.90781	-2.69352	0.00005	0.000323529	YES
Asb8	<a href="#">78541</a>	-0.908072	-4.25744	0.00005	0.000323529	YES
Tmem65	<a href="#">74868</a>	-0.908369	-4.78938	0.00005	0.000323529	YES
Cops3	<a href="#">26572</a>	-0.90865	-3.92081	0.00005	0.000323529	YES
Ndufab1	<a href="#">70316</a>	-0.90869	-5.40851	0.00005	0.000323529	YES
Neurl1a	<a href="#">18011</a>	-0.909011	-4.46544	0.00005	0.000323529	YES
Phlda1	<a href="#">21664</a>	-0.909637	-3.10009	0.00005	0.000323529	YES
Fastkd1	<a href="#">320720</a>	-0.909683	-3.49499	0.00005	0.000323529	YES
Ndufb4	<a href="#">68194</a>	-0.910101	-7.49611	0.00005	0.000323529	YES
Ptpn4	<a href="#">19258</a>	-0.910472	-2.52576	0.00005	0.000323529	YES
Dbndd2	<a href="#">52840</a>	-0.91057	-3.58132	0.00005	0.000323529	YES
Tpd52l1	<a href="#">21987</a>	-0.911485	-4.66023	0.00005	0.000323529	YES
Gm26624		-0.911577	-3.10374	0.00005	0.000323529	YES
Dpp8	<a href="#">74388</a>	-0.913108	-4.23222	0.00005	0.000323529	YES
Ncs1	<a href="#">14299</a>	-0.914545	-3.80902	0.00005	0.000323529	YES
Fam198b	<a href="#">68659</a>	-0.914965	-3.71263	0.00005	0.000323529	YES
Eef2k	<a href="#">13631</a>	-0.915492	-4.0306	0.00005	0.000323529	YES
Scn4a	<a href="#">110880</a>	-0.915598	-4.25294	0.00005	0.000323529	YES
Tnk2	<a href="#">51789</a>	-0.91589	-4.32855	0.00005	0.000323529	YES
Grina	<a href="#">66168</a>	-0.916823	-5.04382	0.00005	0.000323529	YES
Txlnb	<a href="#">378431</a>	-0.917021	-3.50529	0.00005	0.000323529	YES
Raph1	<a href="#">77300</a>	-0.917022	-3.8345	0.00005	0.000323529	YES
Rars2	<a href="#">109093</a>	-0.917081	-3.74141	0.00005	0.000323529	YES
Ak1	<a href="#">11636</a>	-0.917638	-3.44494	0.00005	0.000323529	YES
Siva1	<a href="#">30954</a>	-0.918137	-3.2359	0.00005	0.000323529	YES
Gm16845	<a href="#">100503652</a>	-0.918882	-1.66739	0.01105	0.0359348	YES
Slc12a2	<a href="#">20496</a>	-0.919936	-4.47338	0.00005	0.000323529	YES
Usp24	<a href="#">329908</a>	-0.920383	-4.24224	0.00005	0.000323529	YES
Tnpo1	<a href="#">238799</a>	-0.921193	-3.76038	0.00005	0.000323529	YES
Cox4i1	<a href="#">12857</a>	-0.9219	-5.23332	0.00005	0.000323529	YES
Lars2	<a href="#">102436</a>	-0.922333	-3.43308	0.00005	0.000323529	YES
Ube2b	<a href="#">22210</a>	-0.922668	-2.41492	0.00015	0.000880082	YES
Tdg	<a href="#">21665</a>	-0.922785	-1.57907	0.0121	0.0387328	YES
Serinc3	<a href="#">26943</a>	-0.923674	-4.4375	0.00005	0.000323529	YES
Gm9781	<a href="#">100042807</a>	-0.923788	-1.74015	0.0075	0.0260201	YES
Gm11428	<a href="#">100034251</a>	-0.924138	-2.6096	0.0116	0.0374601	YES
Fam70b	<a href="#">272465</a>	-0.924352	-1.90061	0.0033	0.0129643	YES
Ccdc88c	<a href="#">68339</a>	-0.924696	-3.85561	0.00005	0.000323529	YES
Cdc34	<a href="#">216150</a>	-0.926288	-5.0945	0.00005	0.000323529	YES
Fmn13	<a href="#">22379</a>	-0.926574	-3.31876	0.00005	0.000323529	YES
Cox7b	<a href="#">66142</a>	-0.926743	-5.14369	0.00005	0.000323529	YES
Rnf125	<a href="#">67664</a>	-0.926759	-1.63606	0.01645	0.049886	YES
Dtl	<a href="#">76843</a>	-0.926855	-1.62837	0.00745	0.0258923	YES

Cth	<a href="#">107869</a>	-0.927567	-1.79921	0.0105	0.03451	YES
Slc36a2	<a href="#">246049</a>	-0.927599	-1.88373	0.00515	0.0189718	YES
Gm20476	<a href="#">102638655</a>	-0.928706	-1.49885	0.0104	0.0342386	YES
Unc119	<a href="#">22248</a>	-0.929285	-3.0712	0.00005	0.000323529	YES
Sox7	<a href="#">20680</a>	-0.929421	-2.91849	0.00005	0.000323529	YES
Gda	<a href="#">14544</a>	-0.929549	-3.21139	0.00005	0.000323529	YES
Parp6	<a href="#">67287</a>	-0.929566	-3.67979	0.00005	0.000323529	YES
L2hgdh	<a href="#">217666</a>	-0.929872	-4.34109	0.00005	0.000323529	YES
Ndufa9	<a href="#">66108</a>	-0.9303	-4.99483	0.00005	0.000323529	YES
AA415398	<a href="#">433752</a>	-0.930526	-2.12364	0.00065	0.00319117	YES
Sh3glb1	<a href="#">54673</a>	-0.930819	-4.44241	0.00005	0.000323529	YES
Spa17	<a href="#">20686</a>	-0.932645	-2.31728	0.00335	0.0131247	YES
Itga3	<a href="#">16400</a>	-0.933579	-3.49783	0.00005	0.000323529	YES
Anxa8	<a href="#">11752</a>	-0.934111	-1.73176	0.0026	0.0105407	YES
Hopx	<a href="#">74318</a>	-0.934213	-3.51622	0.00005	0.000323529	YES
Usp15	<a href="#">14479</a>	-0.934664	-4.2777	0.00005	0.000323529	YES
Gfm2	<a href="#">320806</a>	-0.935398	-3.95894	0.00005	0.000323529	YES
Ehhadh	<a href="#">74147</a>	-0.935553	-3.22737	0.00005	0.000323529	YES
Wbscr16	<a href="#">94254</a>	-0.936979	-4.17688	0.00005	0.000323529	YES
Gys1	<a href="#">14936</a>	-0.938225	-4.31833	0.00005	0.000323529	YES
Usp13	<a href="#">72607</a>	-0.939444	-4.36169	0.00005	0.000323529	YES
Gm16586		-0.941499	-3.76263	0.00005	0.000323529	YES
Cldn25	<a href="#">224250</a>	-0.942016	-4.13253	0.00005	0.000323529	YES
Pm20d2	<a href="#">242377</a>	-0.942367	-4.6172	0.00005	0.000323529	YES
Tcea3	<a href="#">21401</a>	-0.942483	-4.58709	0.00005	0.000323529	YES
Pigp	<a href="#">56176</a>	-0.94299	-3.79704	0.00005	0.000323529	YES
Dnaja3	<a href="#">83945</a>	-0.946309	-4.32668	0.00005	0.000323529	YES
Pitpnm3	<a href="#">327958</a>	-0.946794	-3.01348	0.00005	0.000323529	YES
Fem1a	<a href="#">14154</a>	-0.947219	-4.3037	0.00005	0.000323529	YES
Sim2	<a href="#">20465</a>	-0.9473	-4.70077	0.00005	0.000323529	YES
Qser1	<a href="#">99003</a>	-0.947304	-4.37168	0.00005	0.000323529	YES
Gm16170	<a href="#">100861855</a>	-0.947555	-4.17101	0.00005	0.000323529	YES
Gmpr	<a href="#">66355</a>	-0.948265	-4.84731	0.00005	0.000323529	YES
Phkb	<a href="#">102093</a>	-0.948327	-4.19991	0.00005	0.000323529	YES
Ern1	<a href="#">78943</a>	-0.948809	-3.33579	0.00005	0.000323529	YES
Abcc1	<a href="#">17250</a>	-0.949331	-4.44879	0.00005	0.000323529	YES
Polr3k	<a href="#">67005</a>	-0.949479	-4.28003	0.00005	0.000323529	YES
Fam36a	<a href="#">66359</a>	-0.950104	-2.63785	0.0119	0.0382795	YES
Ttc4	<a href="#">72354</a>	-0.950281	-3.93772	0.00005	0.000323529	YES
Ryr3	<a href="#">20192</a>	-0.95086	-3.56105	0.00005	0.000323529	YES
Sec14l5	<a href="#">665119</a>	-0.950873	-3.12151	0.00005	0.000323529	YES
Slc4a8	<a href="#">59033</a>	-0.951131	-2.30423	0.00025	0.00138761	YES
Scarb1	<a href="#">20778</a>	-0.951905	-4.08232	0.00005	0.000323529	YES
Mgst1	<a href="#">56615</a>	-0.951981	-5.74755	0.00005	0.000323529	YES
Ccdc72	<a href="#">66167</a>	-0.952305	-5.82403	0.00005	0.000323529	YES
Apoo	<a href="#">68316</a>	-0.952372	-3.41381	0.00005	0.000323529	YES
Gm15884		-0.953654	-1.90962	0.0015	0.00658526	YES

Cacna1s	<a href="#">12292</a>	-0.955057	-3.9163	0.00005	0.000323529	YES
Fbxo36	<a href="#">66153</a>	-0.955148	-1.8936	0.012	0.0384753	YES
Atl2	<a href="#">56298</a>	-0.955881	-4.40394	0.00005	0.000323529	YES
Sra1	<a href="#">24068</a>	-0.955945	-4.03593	0.00005	0.000323529	YES
Sec31b	<a href="#">240667</a>	-0.956388	-4.28838	0.00005	0.000323529	YES
Npff	<a href="#">54615</a>	-0.957213	-1.54476	0.00815	0.0278998	YES
Wwp1	<a href="#">107568</a>	-0.957652	-4.56438	0.00005	0.000323529	YES
Fam100b	<a href="#">319370</a>	-0.958493	-1.90362	0.0037	0.0142754	YES
Col24a1	<a href="#">71355</a>	-0.958627	-2.36053	0.00015	0.000880082	YES
Nudt8	<a href="#">66387</a>	-0.960076	-4.01704	0.00005	0.000323529	YES
Mlxipl	<a href="#">58805</a>	-0.961623	-4.42924	0.00005	0.000323529	YES
Uqcrfs1	<a href="#">66694</a>	-0.962405	-5.14162	0.00005	0.000323529	YES
Gfer	<a href="#">11692</a>	-0.962469	-3.90329	0.00005	0.000323529	YES
Atp5e	<a href="#">67126</a>	-0.963673	-8.19053	0.00005	0.000323529	YES
Nos2	<a href="#">18126</a>	-0.9642	-2.5382	0.0001	0.000610637	YES
Fxr1	<a href="#">14359</a>	-0.966445	-4.13126	0.00005	0.000323529	YES
Nmnat3	<a href="#">74080</a>	-0.968871	-3.80892	0.00005	0.000323529	YES
Bbip1	<a href="#">100503572</a>	-0.969324	-2.59192	0.0001	0.000610637	YES
Lrrc30	<a href="#">240131</a>	-0.969357	-4.61317	0.00005	0.000323529	YES
Ptges2	<a href="#">96979</a>	-0.969425	-4.89919	0.00005	0.000323529	YES
Npepl1	<a href="#">228961</a>	-0.970785	-5.06409	0.00005	0.000323529	YES
Dnmt3a	<a href="#">13435</a>	-0.971248	-4.11474	0.00005	0.000323529	YES
Psme4	<a href="#">103554</a>	-0.971497	-4.51664	0.00005	0.000323529	YES
Asb12	<a href="#">70392</a>	-0.972627	-3.9479	0.00005	0.000323529	YES
Pdcd5	<a href="#">56330</a>	-0.9727	-5.87614	0.00005	0.000323529	YES
Tmem143	<a href="#">70209</a>	-0.972958	-4.90556	0.00005	0.000323529	YES
Mtap1b	<a href="#">17755</a>	-0.975087	-3.94856	0.00005	0.000323529	YES
Zfp423	<a href="#">94187</a>	-0.976016	-3.34593	0.00005	0.000323529	YES
Calcr1	<a href="#">54598</a>	-0.978425	-3.21449	0.00005	0.000323529	YES
Cntnap1	<a href="#">53321</a>	-0.979296	-2.28039	0.00065	0.00319117	YES
Mrps31	<a href="#">57312</a>	-0.979588	-4.32583	0.00005	0.000323529	YES
Ndufs2	<a href="#">226646</a>	-0.980286	-4.53888	0.00005	0.000323529	YES
Rhbdf2	<a href="#">217344</a>	-0.980672	-4.0886	0.00005	0.000323529	YES
Ddi2	<a href="#">68817</a>	-0.98087	-2.95214	0.00005	0.000323529	YES
Park7	<a href="#">57320</a>	-0.982556	-5.5268	0.00005	0.000323529	YES
Has3	<a href="#">15118</a>	-0.983618	-2.65546	0.00005	0.000323529	YES
Mast4	<a href="#">328329</a>	-0.983837	-3.93447	0.00005	0.000323529	YES
D9Ertd402e	<a href="#">382117</a>	-0.984499	-4.50242	0.00005	0.000323529	YES
Mbd2	<a href="#">17191</a>	-0.986588	-4.95743	0.00005	0.000323529	YES
Tead1	<a href="#">21676</a>	-0.986987	-4.64198	0.00005	0.000323529	YES
Rnf139	<a href="#">75841</a>	-0.988735	-4.17067	0.00005	0.000323529	YES
Hs3st5	<a href="#">319415</a>	-0.989534	-2.90995	0.00005	0.000323529	YES
Sod2	<a href="#">20656</a>	-0.989996	-5.09973	0.00005	0.000323529	YES
Mcee	<a href="#">73724</a>	-0.991272	-5.41455	0.00005	0.000323529	YES
Gm14818		-0.991331	-1.62688	0.0082	0.0280222	YES
Vdac3	<a href="#">22335</a>	-0.992342	-4.26243	0.00005	0.000323529	YES
Pnpla8	<a href="#">67452</a>	-0.992518	-4.71426	0.00005	0.000323529	YES

Fam49a	<a href="#">76820</a>	-0.993345	-3.75841	0.00005	0.000323529	YES
Dld	<a href="#">13382</a>	-0.993409	-4.72258	0.00005	0.000323529	YES
Inpp5j	<a href="#">170835</a>	-0.993707	-1.67005	0.0095	0.0316331	YES
Schip1	<a href="#">30953</a>	-0.993777	-4.33903	0.00005	0.000323529	YES
D19Wsu162e	<a href="#">226178</a>	-0.994868	-4.60427	0.00005	0.000323529	YES
Nr1d1	<a href="#">217166</a>	-0.994912	-5.21707	0.00005	0.000323529	YES
Col27a1	<a href="#">373864</a>	-0.994968	-2.96142	0.00005	0.000323529	YES
Col28a1	<a href="#">213945</a>	-0.995741	-1.92894	0.0012	0.00544762	YES
Hspa9	<a href="#">15526</a>	-0.996465	-4.42011	0.00005	0.000323529	YES
Apool	<a href="#">68117</a>	-0.996491	-4.96712	0.00005	0.000323529	YES
Gtdc1	<a href="#">227835</a>	-0.996678	-4.28006	0.00005	0.000323529	YES
Eltd1	<a href="#">170757</a>	-0.997126	-3.91987	0.00005	0.000323529	YES
Ndufs6	<a href="#">407785</a>	-0.999817	-4.32364	0.00005	0.000323529	YES
Gm14565		-1.00166	-2.19897	0.00025	0.00138761	YES
Ndufa4	<a href="#">17992</a>	-1.00175	-6.87078	0.00005	0.000323529	YES
1110038D17Rik	<a href="#">68778</a>	-1.00201	-4.70598	0.00005	0.000323529	YES
Ndufv2	<a href="#">72900</a>	-1.00339	-5.19879	0.00005	0.000323529	YES
Ddit4l	<a href="#">73284</a>	-1.00407	-5.12455	0.00005	0.000323529	YES
Cmbl	<a href="#">69574</a>	-1.0048	-5.47463	0.00005	0.000323529	YES
Chd7	<a href="#">320790</a>	-1.00509	-3.63309	0.00005	0.000323529	YES
Olfr78	<a href="#">170639</a>	-1.00548	-2.25986	0.00085	0.00404799	YES
5330439A09Rik	<a href="#">77103</a>	-1.00691	-3.13767	0.00005	0.000323529	YES
9330185C12Rik	<a href="#">77511</a>	-1.00914	-4.57419	0.00005	0.000323529	YES
Arhgef6	<a href="#">73341</a>	-1.00924	-4.45396	0.00005	0.000323529	YES
Cd93	<a href="#">17064</a>	-1.01038	-4.30998	0.00005	0.000323529	YES
St8sia4	<a href="#">20452</a>	-1.0105	-2.12699	0.00045	0.00232845	YES
Ybx1	<a href="#">22608</a>	-1.0114	-4.55146	0.00005	0.000323529	YES
A330094K24Rik	<a href="#">77093</a>	-1.01164	-3.41621	0.00005	0.000323529	YES
Med25	<a href="#">75613</a>	-1.01179	-5.14447	0.00005	0.000323529	YES
Zfp710	<a href="#">209225</a>	-1.01187	-3.9696	0.00005	0.000323529	YES
Atp1a2	<a href="#">98660</a>	-1.01243	-3.94939	0.00005	0.000323529	YES
Lhx8	<a href="#">16875</a>	-1.01457	-5.0776	0.00005	0.000323529	YES
Rragb	<a href="#">245670</a>	-1.01464	-2.14145	0.00135	0.00601572	YES
Bckdk	<a href="#">12041</a>	-1.01531	-4.97818	0.00005	0.000323529	YES
Pnpo	<a href="#">103711</a>	-1.0174	-2.43916	0.0005	0.00254778	YES
Gcc2	<a href="#">70297</a>	-1.01749	-3.97238	0.00005	0.000323529	YES
Mospd1	<a href="#">70380</a>	-1.01749	-4.49452	0.00005	0.000323529	YES
1700021C14Rik	<a href="#">76927</a>	-1.01793	-3.15933	0.00225	0.00928693	YES
Ttn	<a href="#">22138</a>	-1.0202	-1.80672	0.0035	0.0136376	YES
BB218582	<a href="#">99465</a>	-1.02025	-2.86764	0.0011	0.0050638	YES
Shroom4	<a href="#">208431</a>	-1.02091	-1.9568	0.0007	0.00340476	YES
Pop5	<a href="#">117109</a>	-1.02113	-4.95678	0.00005	0.000323529	YES
Pkig	<a href="#">18769</a>	-1.02214	-4.65381	0.00005	0.000323529	YES
D7Ertd715e	<a href="#">52480</a>	-1.02315	-2.88778	0.00005	0.000323529	YES
Zmiz1	<a href="#">328365</a>	-1.02439	-4.65555	0.00005	0.000323529	YES
Trim63	<a href="#">433766</a>	-1.02653	-4.90172	0.00005	0.000323529	YES
Ccl25	<a href="#">20300</a>	-1.02673	-1.41582	0.0133	0.0419509	YES

Asb10	<a href="#">117590</a>	-1.0274	-5.183	0.00005	0.000323529	YES
AI464131	<a href="#">329828</a>	-1.02746	-5.05698	0.00005	0.000323529	YES
Ndufb5	<a href="#">66046</a>	-1.0281	-5.87161	0.00005	0.000323529	YES
Ubxn2a	<a href="#">217379</a>	-1.02879	-4.88214	0.00005	0.000323529	YES
Pstpip2	<a href="#">19201</a>	-1.02887	-4.10318	0.00005	0.000323529	YES
Sub1	<a href="#">20024</a>	-1.02934	-5.00231	0.00005	0.000323529	YES
Cyc1	<a href="#">66445</a>	-1.03084	-5.50476	0.00005	0.000323529	YES
Rwdd1	<a href="#">66521</a>	-1.03094	-5.08952	0.00005	0.000323529	YES
Hint3	<a href="#">66847</a>	-1.03194	-5.85866	0.00005	0.000323529	YES
Mrpl51	<a href="#">66493</a>	-1.03224	-5.50772	0.00005	0.000323529	YES
B930003M22Rik	<a href="#">100526796</a>	-1.03279	-2.58698	0.0023	0.00946104	YES
Abcb1a	<a href="#">18671</a>	-1.03393	-3.55662	0.00005	0.000323529	YES
Pars2	<a href="#">230577</a>	-1.03448	-2.71882	0.00005	0.000323529	YES
Hmgb3	<a href="#">15354</a>	-1.0346	-3.61854	0.00005	0.000323529	YES
Cnbp	<a href="#">12785</a>	-1.03663	-4.48273	0.00005	0.000323529	YES
Rangrf	<a href="#">57785</a>	-1.0367	-3.74628	0.00005	0.000323529	YES
Aldh1a2	<a href="#">19378</a>	-1.03735	-1.76766	0.007	0.0245617	YES
Gm10767	<a href="#">100038538</a>	-1.03741	-1.7796	0.00595	0.021383	YES
Tfcp2l1	<a href="#">81879</a>	-1.03781	-4.81361	0.00005	0.000323529	YES
Gm20712		-1.03816	-2.84045	0.00025	0.00138761	YES
BC005561	<a href="#">100042165</a>	-1.03927	-2.51827	0.0001	0.000610637	YES
Pdlim5	<a href="#">56376</a>	-1.03957	-4.40836	0.00005	0.000323529	YES
Gm7367	<a href="#">664849</a>	-1.04319	-3.42661	0.00005	0.000323529	YES
Art3	<a href="#">109979</a>	-1.04417	-5.29879	0.00005	0.000323529	YES
Atp5o	<a href="#">28080</a>	-1.04457	-5.09298	0.00005	0.000323529	YES
Aplnr	<a href="#">23796</a>	-1.04542	-4.14262	0.00005	0.000323529	YES
Rnf165	<a href="#">225743</a>	-1.04561	-2.55445	0.00025	0.00138761	YES
Coq9	<a href="#">67914</a>	-1.04565	-4.9737	0.00005	0.000323529	YES
Ndufa10	<a href="#">67273</a>	-1.04632	-5.34912	0.00005	0.000323529	YES
Fam162a	<a href="#">70186</a>	-1.04694	-6.24435	0.00005	0.000323529	YES
Ubtd1	<a href="#">226122</a>	-1.04759	-4.7358	0.00005	0.000323529	YES
0610010O12Rik	<a href="#">66060</a>	-1.04921	-7.12089	0.00005	0.000323529	YES
Zfp874b	<a href="#">408067</a>	-1.04949	-3.30391	0.00005	0.000323529	YES
Abca1	<a href="#">11303</a>	-1.0501	-4.23733	0.00005	0.000323529	YES
Pdk2	<a href="#">18604</a>	-1.05051	-5.12755	0.00005	0.000323529	YES
Pcdh17	<a href="#">219228</a>	-1.05054	-1.75657	0.00445	0.0167501	YES
Amy1	<a href="#">11722</a>	-1.05131	-4.0604	0.00005	0.000323529	YES
Zfp455	<a href="#">218311</a>	-1.05196	-1.61813	0.01175	0.0378667	YES
C630043F03Rik	<a href="#">68285</a>	-1.052	-3.86903	0.00005	0.000323529	YES
Mrpl1	<a href="#">94061</a>	-1.05274	-3.93177	0.00005	0.000323529	YES
Mcl1	<a href="#">17210</a>	-1.05451	-5.34404	0.00005	0.000323529	YES
Plxnb3	<a href="#">140571</a>	-1.0552	-2.2861	0.00055	0.00276141	YES
Pde4dip	<a href="#">83679</a>	-1.05554	-2.86232	0.00005	0.000323529	YES
2310015B20Rik	<a href="#">69563</a>	-1.05842	-7.94674	0.00005	0.000323529	YES
Nrp1	<a href="#">18186</a>	-1.05935	-4.53509	0.00005	0.000323529	YES
Nup210	<a href="#">54563</a>	-1.06054	-4.85192	0.00005	0.000323529	YES
Ugt8a	<a href="#">22239</a>	-1.06163	-1.58059	0.01485	0.0459191	YES

Ndufs3	<a href="#">68349</a>	-1.06222	-6.25207	0.00005	0.000323529	YES
Uqcrc2	<a href="#">67003</a>	-1.06291	-4.94819	0.00005	0.000323529	YES
Tob1	<a href="#">22057</a>	-1.06314	-5.53823	0.00005	0.000323529	YES
Arfgef1	<a href="#">211673</a>	-1.06318	-4.71749	0.00005	0.000323529	YES
Mettl11b	<a href="#">240879</a>	-1.06324	-5.32255	0.00005	0.000323529	YES
Rps6ka5	<a href="#">73086</a>	-1.06352	-4.46726	0.00005	0.000323529	YES
Lrg1	<a href="#">76905</a>	-1.06367	-4.59635	0.00005	0.000323529	YES
Traf2	<a href="#">22030</a>	-1.06477	-4.22579	0.00005	0.000323529	YES
Rsc1a1	<a href="#">69994</a>	-1.06505	-1.87437	0.00155	0.00678017	YES
Ier5	<a href="#">15939</a>	-1.06666	-4.09983	0.00005	0.000323529	YES
Adsl	<a href="#">11564</a>	-1.06693	-5.20242	0.00005	0.000323529	YES
Vgll2	<a href="#">215031</a>	-1.06704	-4.54331	0.00005	0.000323529	YES
Dnajc15	<a href="#">66148</a>	-1.06726	-6.37036	0.00005	0.000323529	YES
Arrdc2	<a href="#">70807</a>	-1.06741	-4.42794	0.00005	0.000323529	YES
1810044D09Rik	<a href="#">69798</a>	-1.06749	-3.77803	0.00045	0.00232845	YES
Pter	<a href="#">19212</a>	-1.06805	-3.03215	0.00005	0.000323529	YES
Fkbp3	<a href="#">30795</a>	-1.06863	-4.19366	0.00005	0.000323529	YES
Abhd6	<a href="#">66082</a>	-1.07292	-3.80384	0.00005	0.000323529	YES
Cyb5b	<a href="#">66427</a>	-1.07431	-5.23072	0.00005	0.000323529	YES
Ndufb9	<a href="#">66218</a>	-1.07477	-6.42625	0.00005	0.000323529	YES
Eif4e	<a href="#">13684</a>	-1.07541	-5.10612	0.00005	0.000323529	YES
Ccdc162	<a href="#">75973</a>	-1.07593	-2.73172	0.00005	0.000323529	YES
Krt80	<a href="#">74127</a>	-1.07715	-1.41536	0.012	0.0384753	YES
Pold2	<a href="#">18972</a>	-1.07855	-3.16569	0.00005	0.000323529	YES
Lmo4	<a href="#">16911</a>	-1.08051	-4.81195	0.00005	0.000323529	YES
Capn3	<a href="#">12335</a>	-1.08119	-3.87198	0.00005	0.000323529	YES
Fam184b	<a href="#">58227</a>	-1.08215	-1.40315	0.01335	0.0421001	YES
1700024P16Rik	<a href="#">242594</a>	-1.08486	-1.73624	0.00325	0.012803	YES
Gm15976		-1.08511	-2.62482	0.00005	0.000323529	YES
I830012O16Rik	<a href="#">667370</a>	-1.08584	-2.51557	0.0001	0.000610637	YES
Vezf1	<a href="#">22344</a>	-1.08599	-5.14219	0.00005	0.000323529	YES
Cpne8	<a href="#">66871</a>	-1.08656	-1.74154	0.00385	0.0147745	YES
Galnt3	<a href="#">14425</a>	-1.08692	-3.23522	0.00005	0.000323529	YES
Styx	<a href="#">56291</a>	-1.08736	-3.69661	0.00005	0.000323529	YES
Lmod2	<a href="#">93677</a>	-1.08786	-4.94882	0.00005	0.000323529	YES
Tns3	<a href="#">319939</a>	-1.08803	-4.23554	0.00005	0.000323529	YES
Trip10	<a href="#">106628</a>	-1.08839	-4.79747	0.00005	0.000323529	YES
Pabpc4	<a href="#">230721</a>	-1.08956	-4.88775	0.00005	0.000323529	YES
Plekhh3	<a href="#">217198</a>	-1.09005	-5.37583	0.00005	0.000323529	YES
Glrx3	<a href="#">30926</a>	-1.09069	-2.14768	0.0001	0.000610637	YES
Runx1t1	<a href="#">12395</a>	-1.09108	-3.04954	0.00005	0.000323529	YES
Atp1b2	<a href="#">11932</a>	-1.09163	-5.04676	0.00005	0.000323529	YES
Znrf1	<a href="#">170737</a>	-1.09234	-5.22455	0.00005	0.000323529	YES
Klh121	<a href="#">242785</a>	-1.09281	-5.59337	0.00005	0.000323529	YES
Vamp8	<a href="#">22320</a>	-1.09785	-6.06792	0.00005	0.000323529	YES
Brp44l	<a href="#">55951</a>	-1.09949	-3.79473	0.00005	0.000323529	YES
Klh123	<a href="#">277396</a>	-1.10017	-4.43157	0.00005	0.000323529	YES

Farp1	<a href="#">223254</a>	-1.10071	-3.8307	0.00005	0.000323529	YES
Gm807	<a href="#">328320</a>	-1.10115	-1.67561	0.007	0.0245617	YES
Det1	<a href="#">76375</a>	-1.10124	-4.03469	0.00005	0.000323529	YES
Irs1	<a href="#">16367</a>	-1.10238	-5.0635	0.00005	0.000323529	YES
Bhlhe40	<a href="#">20893</a>	-1.10277	-4.68487	0.00005	0.000323529	YES
Plekha2	<a href="#">83436</a>	-1.10277	-2.86919	0.00005	0.000323529	YES
Dapk2	<a href="#">13143</a>	-1.10509	-3.45096	0.00005	0.000323529	YES
Tppp	<a href="#">72948</a>	-1.10587	-3.75358	0.00005	0.000323529	YES
Hrasls	<a href="#">27281</a>	-1.10603	-5.31298	0.00005	0.000323529	YES
Lpin1	<a href="#">14245</a>	-1.11157	-5.03903	0.00005	0.000323529	YES
Vegfa	<a href="#">22339</a>	-1.11219	-5.117	0.00005	0.000323529	YES
3110009E18Rik	<a href="#">73103</a>	-1.11342	-1.55512	0.0083	0.0282595	YES
Scd1	<a href="#">20249</a>	-1.1137	-4.55905	0.00005	0.000323529	YES
Mrpl30	<a href="#">107734</a>	-1.11442	-6.68559	0.00005	0.000323529	YES
Gng5	<a href="#">14707</a>	-1.11501	-8.46839	0.00005	0.000323529	YES
Ptx3	<a href="#">19288</a>	-1.11519	-3.62893	0.00005	0.000323529	YES
Dyrk1b	<a href="#">13549</a>	-1.11561	-5.12931	0.00005	0.000323529	YES
Arhgap19	<a href="#">71085</a>	-1.11605	-4.02817	0.00005	0.000323529	YES
Vdac1	<a href="#">22333</a>	-1.11623	-5.00814	0.00005	0.000323529	YES
Gm16325	<a href="#">100286843</a>	-1.11832	-1.14674	0.0124	0.0395242	YES
Cdk19	<a href="#">78334</a>	-1.11889	-4.92875	0.00005	0.000323529	YES
Sez6	<a href="#">20370</a>	-1.1221	-1.5884	0.0145	0.0451028	YES
Ldb3	<a href="#">24131</a>	-1.12257	-3.52259	0.00005	0.000323529	YES
Chchd3	<a href="#">66075</a>	-1.12316	-5.39745	0.00005	0.000323529	YES
Pfkm	<a href="#">18642</a>	-1.12338	-3.61165	0.00005	0.000323529	YES
Ckmt2	<a href="#">76722</a>	-1.12445	-4.98853	0.00005	0.000323529	YES
Cacng1	<a href="#">12299</a>	-1.12549	-6.07582	0.00005	0.000323529	YES
Hook3	<a href="#">320191</a>	-1.12589	-5.13805	0.00005	0.000323529	YES
Krt222	<a href="#">268481</a>	-1.12761	-2.61204	0.0002	0.0011411	YES
C530008M17Rik	<a href="#">320827</a>	-1.12929	-2.41004	0.0001	0.000610637	YES
H1fx	<a href="#">243529</a>	-1.13102	-2.77502	0.0018	0.00770449	YES
Tmem126a	<a href="#">66271</a>	-1.13122	-6.65188	0.00005	0.000323529	YES
Kpna3	<a href="#">16648</a>	-1.13166	-5.48589	0.00005	0.000323529	YES
Clcn1	<a href="#">12723</a>	-1.13225	-5.4372	0.00005	0.000323529	YES
Bcl6b	<a href="#">12029</a>	-1.13244	-3.94639	0.00005	0.000323529	YES
Art5	<a href="#">11875</a>	-1.13324	-5.42295	0.00005	0.000323529	YES
Hspb7	<a href="#">29818</a>	-1.13342	-5.53603	0.00005	0.000323529	YES
Taf7	<a href="#">24074</a>	-1.13449	-1.51396	0.016	0.0488415	YES
Crat	<a href="#">12908</a>	-1.13495	-4.88866	0.00005	0.000323529	YES
Cycs	<a href="#">13063</a>	-1.1376	-5.31491	0.00005	0.000323529	YES
Ptprr	<a href="#">19279</a>	-1.1377	-1.44117	0.0122	0.0389974	YES
Gm16576	<a href="#">100504191</a>	-1.13773	-2.17544	0.0005	0.00254778	YES
Ube2d3	<a href="#">66105</a>	-1.13775	-5.93597	0.00005	0.000323529	YES
9430023L20Rik	<a href="#">68118</a>	-1.13847	-5.41273	0.00005	0.000323529	YES
Gdf10	<a href="#">14560</a>	-1.13926	-2.9671	0.0001	0.000610637	YES
Atp5g1	<a href="#">11951</a>	-1.13947	-5.09959	0.00005	0.000323529	YES
Tpt1	<a href="#">22070</a>	-1.13995	-5.15714	0.00005	0.000323529	YES

AI317395	<a href="#">215929</a>	-1.14075	-3.41752	0.00005	0.000323529	YES
Anxa11	<a href="#">11744</a>	-1.14155	-5.69663	0.00005	0.000323529	YES
Fundc2	<a href="#">67391</a>	-1.1417	-5.94655	0.00005	0.000323529	YES
Atp2b3	<a href="#">320707</a>	-1.14182	-2.70662	0.00005	0.000323529	YES
Myod1	<a href="#">17927</a>	-1.14477	-5.19659	0.00005	0.000323529	YES
Kif1c	<a href="#">16562</a>	-1.14494	-4.72696	0.00005	0.000323529	YES
Add3	<a href="#">27360</a>	-1.14521	-4.85551	0.00005	0.000323529	YES
Lrpprc	<a href="#">72416</a>	-1.14528	-5.24164	0.00005	0.000323529	YES
Camk1d	<a href="#">227541</a>	-1.14776	-2.39415	0.00005	0.000323529	YES
Psmd6	<a href="#">66413</a>	-1.14802	-6.03195	0.00005	0.000323529	YES
Tpi1	<a href="#">21991</a>	-1.14825	-3.62554	0.00005	0.000323529	YES
Xirp2	<a href="#">241431</a>	-1.14828	-2.93689	0.00005	0.000323529	YES
Timm23	<a href="#">53600</a>	-1.14874	-6.23179	0.00005	0.000323529	YES
Rcsd1	<a href="#">226594</a>	-1.14915	-5.0238	0.00005	0.000323529	YES
Pfas	<a href="#">237823</a>	-1.14919	-5.09689	0.00005	0.000323529	YES
Jun	<a href="#">16476</a>	-1.14943	-4.56429	0.00005	0.000323529	YES
Tal2	<a href="#">21350</a>	-1.14953	-1.89338	0.00645	0.0229181	YES
Ndufa5	<a href="#">68202</a>	-1.15017	-7.94081	0.00005	0.000323529	YES
Gm16118	<a href="#">102632420</a>	-1.15151	-1.75402	0.00545	0.0198492	YES
Znrd1as	<a href="#">76416</a>	-1.15253	-3.9816	0.00005	0.000323529	YES
Sucla2	<a href="#">20916</a>	-1.15434	-5.36734	0.00005	0.000323529	YES
Slc6a6	<a href="#">21366</a>	-1.15509	-5.61776	0.00005	0.000323529	YES
Epb4.1l4a	<a href="#">13824</a>	-1.15559	-2.76563	0.00005	0.000323529	YES
Bola3	<a href="#">78653</a>	-1.15567	-7.82116	0.00005	0.000323529	YES
Myh4	<a href="#">17884</a>	-1.15637	-2.50364	0.0001	0.000610637	YES
Brp44	<a href="#">70456</a>	-1.15642	-6.92481	0.00005	0.000323529	YES
Mfsd2b	<a href="#">432628</a>	-1.15774	-2.55383	0.0001	0.000610637	YES
St3gal6	<a href="#">54613</a>	-1.16092	-5.72002	0.00005	0.000323529	YES
Ppp1r1a	<a href="#">58200</a>	-1.16122	-2.14954	0.0026	0.0105407	YES
Kcnj2	<a href="#">16518</a>	-1.16129	-5.52619	0.00005	0.000323529	YES
B3galt1	<a href="#">26877</a>	-1.1639	-2.14807	0.00095	0.00445144	YES
Pdss1	<a href="#">56075</a>	-1.16398	-2.60348	0.0004	0.00210083	YES
B930095G15Rik	<a href="#">320268</a>	-1.16401	-2.71836	0.00005	0.000323529	YES
Prkg1	<a href="#">19091</a>	-1.16745	-3.40944	0.00005	0.000323529	YES
Spag9	<a href="#">70834</a>	-1.16747	-5.10129	0.00005	0.000323529	YES
Zfp651	<a href="#">270210</a>	-1.17294	-5.48208	0.00005	0.000323529	YES
Ttl7	<a href="#">70892</a>	-1.17323	-5.15194	0.00005	0.000323529	YES
5930438M14	<a href="#">328324</a>	-1.17355	-3.58642	0.00005	0.000323529	YES
Lrrc2	<a href="#">74249</a>	-1.1752	-5.37853	0.00005	0.000323529	YES
Ppp1r14c	<a href="#">76142</a>	-1.1752	-5.13662	0.00005	0.000323529	YES
Apobec2	<a href="#">11811</a>	-1.17558	-5.87695	0.00005	0.000323529	YES
Isca1	<a href="#">69046</a>	-1.1758	-6.07415	0.00005	0.000323529	YES
Nudt6	<a href="#">229228</a>	-1.1758	-5.52906	0.00005	0.000323529	YES
R3hdm1	<a href="#">226412</a>	-1.18039	-5.21946	0.00005	0.000323529	YES
Asb2	<a href="#">65256</a>	-1.1806	-5.65704	0.00005	0.000323529	YES
Nt5dc3	<a href="#">103466</a>	-1.18136	-5.72482	0.00005	0.000323529	YES
P2ry2	<a href="#">18442</a>	-1.18376	-5.46217	0.00005	0.000323529	YES

Pde8a	<a href="#">18584</a>	-1.18408	-3.65075	0.00005	0.000323529	YES
Usp2	<a href="#">53376</a>	-1.18538	-5.58874	0.00005	0.000323529	YES
Gm15612	<a href="#">100038356</a>	-1.18576	-2.71509	0.00005	0.000323529	YES
9330133O14Rik	<a href="#">100689703</a>	-1.18857	-2.93383	0.00005	0.000323529	YES
Gm17167	<a href="#">102640144</a>	-1.18949	-4.46193	0.00005	0.000323529	YES
Rps6ka1	<a href="#">20111</a>	-1.19046	-4.33104	0.00005	0.000323529	YES
Phkg1	<a href="#">18682</a>	-1.19124	-4.9984	0.00005	0.000323529	YES
Mylk2	<a href="#">228785</a>	-1.19369	-5.40784	0.00005	0.000323529	YES
Ank	<a href="#">11732</a>	-1.19702	-6.14995	0.00005	0.000323529	YES
Myo18b	<a href="#">74376</a>	-1.19744	-4.91252	0.00005	0.000323529	YES
Pgk1	<a href="#">18655</a>	-1.19906	-5.22416	0.00005	0.000323529	YES
Gnpat	<a href="#">14712</a>	-1.20134	-4.5768	0.00005	0.000323529	YES
Ppargc1b	<a href="#">170826</a>	-1.20394	-2.99339	0.00005	0.000323529	YES
Ube2g1	<a href="#">67128</a>	-1.20493	-6.10694	0.00005	0.000323529	YES
Deb1	<a href="#">26901</a>	-1.20677	-7.7941	0.00005	0.000323529	YES
Synpo	<a href="#">104027</a>	-1.20754	-5.45856	0.00005	0.000323529	YES
Ggnbp1	<a href="#">70772</a>	-1.20817	-3.84769	0.00005	0.000323529	YES
Gpcpd1	<a href="#">74182</a>	-1.20852	-5.4748	0.00005	0.000323529	YES
Srcin1	<a href="#">56013</a>	-1.21043	-2.29982	0.0007	0.00340476	YES
Ankrd33b	<a href="#">67434</a>	-1.21328	-4.06509	0.00005	0.000323529	YES
Pdlim3	<a href="#">53318</a>	-1.21441	-5.90411	0.00005	0.000323529	YES
Npc1l1	<a href="#">237636</a>	-1.21505	-2.57985	0.00015	0.000880082	YES
Foxo6	<a href="#">329934</a>	-1.2154	-4.88774	0.00005	0.000323529	YES
Uqcrc1	<a href="#">22273</a>	-1.21736	-5.50488	0.00005	0.000323529	YES
Samd10	<a href="#">229011</a>	-1.21788	-4.32675	0.00005	0.000323529	YES
Cst6	<a href="#">73720</a>	-1.22062	-2.93872	0.00005	0.000323529	YES
Cmtm4	<a href="#">97487</a>	-1.22224	-5.23784	0.00005	0.000323529	YES
Yipf7	<a href="#">75581</a>	-1.22309	-6.5543	0.00005	0.000323529	YES
Tiparp	<a href="#">99929</a>	-1.2274	-5.3897	0.00005	0.000323529	YES
Ly6g6d	<a href="#">114654</a>	-1.22804	-3.40133	0.0005	0.00254778	YES
Tnfaip8	<a href="#">106869</a>	-1.22819	-3.5794	0.00005	0.000323529	YES
Vmp1	<a href="#">75909</a>	-1.23002	-5.42557	0.00005	0.000323529	YES
Ppargc1a	<a href="#">19017</a>	-1.23084	-5.49444	0.00005	0.000323529	YES
Rtn4	<a href="#">68585</a>	-1.23197	-5.15579	0.00005	0.000323529	YES
Emid1	<a href="#">140703</a>	-1.23806	-2.958	0.00005	0.000323529	YES
Adamtsl4	<a href="#">229595</a>	-1.23979	-5.42779	0.00005	0.000323529	YES
Tead4	<a href="#">21679</a>	-1.24235	-4.72021	0.00005	0.000323529	YES
Nrap	<a href="#">18175</a>	-1.24366	-4.31795	0.00005	0.000323529	YES
Tfap4	<a href="#">83383</a>	-1.24562	-3.69125	0.00005	0.000323529	YES
Mkrn2	<a href="#">67027</a>	-1.25021	-2.81235	0.00005	0.000323529	YES
Synpo2	<a href="#">118449</a>	-1.25223	-5.79333	0.00005	0.000323529	YES
Mpp3	<a href="#">13384</a>	-1.25317	-5.38715	0.00005	0.000323529	YES
Mtmr10	<a href="#">233315</a>	-1.25432	-3.00809	0.00005	0.000323529	YES
Tirap	<a href="#">117149</a>	-1.25525	-4.70861	0.00005	0.000323529	YES
Myom1	<a href="#">17929</a>	-1.25838	-2.92613	0.00005	0.000323529	YES
Gm11266	<a href="#">100215</a>	-1.2587	-3.06263	0.00005	0.000323529	YES
P4ha2	<a href="#">18452</a>	-1.25993	-4.1198	0.00005	0.000323529	YES

Fancb	<a href="#">237211</a>	-1.26218	-2.30453	0.00025	0.00138761	YES
Dusp10	<a href="#">63953</a>	-1.26229	-5.60861	0.00005	0.000323529	YES
Sv2a	<a href="#">64051</a>	-1.26229	-2.05424	0.00205	0.00859219	YES
Gm16758	<a href="#">102640752</a>	-1.26233	-1.83356	0.0015	0.00658526	YES
Apex2	<a href="#">77622</a>	-1.26592	-3.13364	0.00005	0.000323529	YES
Lrrc38	<a href="#">242735</a>	-1.26722	-5.66507	0.00005	0.000323529	YES
Gm26615	<a href="#">102640635</a>	-1.26851	-1.40602	0.013	0.0411946	YES
4632428C04Rik	<a href="#">100043102</a>	-1.26884	-2.25836	0.0002	0.0011411	YES
Hddc2	<a href="#">69692</a>	-1.26901	-5.98402	0.00005	0.000323529	YES
9630033F20Rik	<a href="#">319801</a>	-1.26931	-6.08637	0.00005	0.000323529	YES
Ovgp1	<a href="#">12659</a>	-1.27078	-3.34035	0.00005	0.000323529	YES
Tbc1d16	<a href="#">207592</a>	-1.2708	-5.78758	0.00005	0.000323529	YES
Slc1a1	<a href="#">20510</a>	-1.27084	-2.81268	0.0002	0.0011411	YES
Immp1l	<a href="#">66541</a>	-1.27226	-6.95619	0.00005	0.000323529	YES
Idh3a	<a href="#">67834</a>	-1.27647	-6.00531	0.00005	0.000323529	YES
Arfgap2	<a href="#">77038</a>	-1.27673	-5.73235	0.00005	0.000323529	YES
Cited2	<a href="#">17684</a>	-1.27772	-6.73934	0.00005	0.000323529	YES
Gm15655		-1.27835	-3.70223	0.00005	0.000323529	YES
Mn1	<a href="#">433938</a>	-1.27872	-5.65056	0.00005	0.000323529	YES
Cnksr2	<a href="#">245684</a>	-1.28014	-1.59124	0.0087	0.0292855	YES
Ccdc85c	<a href="#">668158</a>	-1.28463	-4.20132	0.00005	0.000323529	YES
Sox13	<a href="#">20668</a>	-1.28475	-5.13962	0.00005	0.000323529	YES
Gm11974	<a href="#">100041286</a>	-1.28707	-1.89528	0.0142	0.044345	YES
1700123M08Rik	<a href="#">100503636</a>	-1.28815	-4.95707	0.00005	0.000323529	YES
Lpl	<a href="#">16956</a>	-1.29002	-5.78688	0.00005	0.000323529	YES
Tk1	<a href="#">21877</a>	-1.29008	-2.09428	0.0077	0.0265966	YES
Slc25a30	<a href="#">67554</a>	-1.29073	-3.67885	0.00005	0.000323529	YES
Agl	<a href="#">77559</a>	-1.29098	-5.4237	0.00005	0.000323529	YES
Guf1	<a href="#">231279</a>	-1.29147	-5.40206	0.00005	0.000323529	YES
Adh1	<a href="#">11522</a>	-1.29212	-4.65641	0.00005	0.000323529	YES
Scube2	<a href="#">56788</a>	-1.29384	-2.74732	0.0001	0.000610637	YES
Rpl3l	<a href="#">66211</a>	-1.29387	-5.41577	0.00005	0.000323529	YES
Pck1	<a href="#">18534</a>	-1.29841	-3.27159	0.00005	0.000323529	YES
Casq1	<a href="#">12372</a>	-1.29954	-4.72023	0.00005	0.000323529	YES
Fbp2	<a href="#">14120</a>	-1.30229	-6.86898	0.00005	0.000323529	YES
Klh131	<a href="#">244923</a>	-1.30663	-6.32031	0.00005	0.000323529	YES
Nhs	<a href="#">195727</a>	-1.30853	-1.61002	0.0093	0.0310658	YES
Farp2	<a href="#">227377</a>	-1.3098	-1.73658	0.00655	0.0231896	YES
Dcpp3	<a href="#">620253</a>	-1.31001	-3.30718	0.00065	0.00319117	YES
Gm16559	<a href="#">102634608</a>	-1.31004	-1.90807	0.00175	0.00752117	YES
Slc16a10	<a href="#">72472</a>	-1.31097	-5.08205	0.00005	0.000323529	YES
Tuba4a	<a href="#">22145</a>	-1.31649	-5.11236	0.00005	0.000323529	YES
Podxl2	<a href="#">319655</a>	-1.31715	-5.26275	0.00005	0.000323529	YES
Myh8	<a href="#">17885</a>	-1.3173	-2.73424	0.00005	0.000323529	YES
Scn2a1	<a href="#">110876</a>	-1.32111	-4.49803	0.00005	0.000323529	YES
Nos1	<a href="#">18125</a>	-1.32301	-5.79772	0.00005	0.000323529	YES
Fsd2	<a href="#">244091</a>	-1.32706	-6.05128	0.00005	0.000323529	YES

Eepd1	<a href="#">67484</a>	-1.32977	-6.35502	0.00005	0.000323529	YES
Fos	<a href="#">14281</a>	-1.33054	-3.35455	0.00005	0.000323529	YES
1300002E11Rik	<a href="#">100043489</a>	-1.33109	-1.58207	0.0076	0.026309	YES
Eif4ebp3	<a href="#">108112</a>	-1.33239	-4.86354	0.00005	0.000323529	YES
Tmem56	<a href="#">99887</a>	-1.33322	-5.09722	0.00005	0.000323529	YES
Agxt2l2	<a href="#">72947</a>	-1.33578	-2.49938	0.00025	0.00138761	YES
Mrpl42	<a href="#">67270</a>	-1.33634	-8.43987	0.00005	0.000323529	YES
Ppp1r3a	<a href="#">140491</a>	-1.33875	-6.15643	0.00005	0.000323529	YES
Slc19a2	<a href="#">116914</a>	-1.34405	-3.60715	0.00005	0.000323529	YES
4930511M06Rik	<a href="#">75084</a>	-1.34943	-2.06016	0.00495	0.0183424	YES
C130036L24Rik	<a href="#">319336</a>	-1.35332	-1.85198	0.00275	0.0110605	YES
Six1	<a href="#">20471</a>	-1.35379	-6.89702	0.00005	0.000323529	YES
D230002A01Rik		-1.35698	-3.57641	0.00005	0.000323529	YES
Dnajb5	<a href="#">56323</a>	-1.35797	-6.68451	0.00005	0.000323529	YES
Idh3b	<a href="#">170718</a>	-1.35888	-5.28999	0.00005	0.000323529	YES
Serpine2	<a href="#">20720</a>	-1.36044	-6.74892	0.00005	0.000323529	YES
Masp1	<a href="#">17174</a>	-1.36431	-4.38036	0.00005	0.000323529	YES
2610037D02Rik	<a href="#">70040</a>	-1.36623	-1.59292	0.00955	0.0317727	YES
Tmem37	<a href="#">170706</a>	-1.36718	-3.24976	0.00005	0.000323529	YES
Clip4	<a href="#">78785</a>	-1.36874	-5.01149	0.00005	0.000323529	YES
Slc38a4	<a href="#">69354</a>	-1.37115	-6.67002	0.00005	0.000323529	YES
Mapk12	<a href="#">29857</a>	-1.3729	-6.71079	0.00005	0.000323529	YES
Fosb	<a href="#">14282</a>	-1.37293	-2.06508	0.0027	0.0108761	YES
Ets2	<a href="#">23872</a>	-1.37356	-6.57855	0.00005	0.000323529	YES
Prodh	<a href="#">19125</a>	-1.37413	-4.18416	0.00005	0.000323529	YES
Dnajc19	<a href="#">67713</a>	-1.37458	-1.59197	0.0061	0.0218323	YES
Slc37a4	<a href="#">14385</a>	-1.37488	-7.07566	0.00005	0.000323529	YES
Hspb6	<a href="#">243912</a>	-1.37503	-6.91117	0.00005	0.000323529	YES
Cmya5	<a href="#">76469</a>	-1.37851	-4.00537	0.00005	0.000323529	YES
Ar	<a href="#">11835</a>	-1.38326	-4.81813	0.00005	0.000323529	YES
Atp2a1	<a href="#">11937</a>	-1.3838	-3.62344	0.00005	0.000323529	YES
Nell2	<a href="#">54003</a>	-1.38537	-2.8362	0.00005	0.000323529	YES
Nek3	<a href="#">23954</a>	-1.38788	-2.85498	0.00005	0.000323529	YES
Dusp14	<a href="#">56405</a>	-1.39083	-5.54124	0.00005	0.000323529	YES
TnnC2	<a href="#">21925</a>	-1.39345	-4.33907	0.00005	0.000323529	YES
Dusp1	<a href="#">19252</a>	-1.39366	-6.2048	0.00005	0.000323529	YES
Tecr	<a href="#">106529</a>	-1.39366	-6.47506	0.00005	0.000323529	YES
Dnajc21	<a href="#">78244</a>	-1.39834	-6.0958	0.00005	0.000323529	YES
Adm	<a href="#">11535</a>	-1.4058	-4.20953	0.00005	0.000323529	YES
Kcnj12	<a href="#">16515</a>	-1.40745	-6.17019	0.00005	0.000323529	YES
Rhbd13	<a href="#">246104</a>	-1.40858	-3.4223	0.00005	0.000323529	YES
Fam83g	<a href="#">69640</a>	-1.40865	-2.03202	0.0012	0.00544762	YES
Gm20544	<a href="#">102636262</a>	-1.4098	-1.89908	0.00125	0.00562912	YES
Lin28a	<a href="#">83557</a>	-1.41093	-4.10399	0.00005	0.000323529	YES
Lcor	<a href="#">212391</a>	-1.4114	-2.32299	0.00035	0.00186438	YES
Gm27028		-1.41231	-2.07407	0.0014	0.00620513	YES
Slc35d2	<a href="#">70484</a>	-1.41266	-3.37108	0.00005	0.000323529	YES

Shc2	<a href="#">216148</a>	-1.41365	-3.41481	0.00005	0.000323529	YES
Snrk	<a href="#">20623</a>	-1.41386	-6.33606	0.00005	0.000323529	YES
Irf5	<a href="#">27056</a>	-1.4181	-2.99456	0.00005	0.000323529	YES
2210408F21Rik	<a href="#">73652</a>	-1.41945	-3.99255	0.00005	0.000323529	YES
Gpr68	<a href="#">238377</a>	-1.42047	-1.73754	0.00615	0.0219763	YES
Myoz2	<a href="#">59006</a>	-1.42277	-2.91825	0.00005	0.000323529	YES
Dagla	<a href="#">269060</a>	-1.42281	-5.16347	0.00005	0.000323529	YES
Dupd1	<a href="#">435391</a>	-1.42299	-6.63636	0.00005	0.000323529	YES
Ccnk	<a href="#">12454</a>	-1.42329	-6.26959	0.00005	0.000323529	YES
Kcmf1	<a href="#">74287</a>	-1.42386	-7.26393	0.00005	0.000323529	YES
Samd7	<a href="#">75953</a>	-1.42397	-4.13969	0.00005	0.000323529	YES
D830044I16Rik	<a href="#">381922</a>	-1.42406	-1.67954	0.00795	0.0273162	YES
Tmem233	<a href="#">545798</a>	-1.42694	-8.4738	0.00005	0.000323529	YES
Slc2a3	<a href="#">20527</a>	-1.42695	-6.83645	0.00005	0.000323529	YES
Pptc7	<a href="#">320717</a>	-1.42763	-7.17183	0.00005	0.000323529	YES
Maf	<a href="#">17132</a>	-1.4293	-3.76126	0.00005	0.000323529	YES
Nrip1	<a href="#">268903</a>	-1.43123	-5.69614	0.00005	0.000323529	YES
Ppapdc3	<a href="#">227721</a>	-1.43321	-7.37801	0.00005	0.000323529	YES
Pygm	<a href="#">19309</a>	-1.43439	-2.94694	0.00005	0.000323529	YES
Gm12070	<a href="#">654472</a>	-1.43468	-3.58243	0.00005	0.000323529	YES
1500026H17Rik	<a href="#">69002</a>	-1.4425	-2.0474	0.0007	0.00340476	YES
Kbtbd13	<a href="#">74492</a>	-1.44717	-5.41176	0.00005	0.000323529	YES
Slc4a4	<a href="#">54403</a>	-1.45527	-4.98517	0.00005	0.000323529	YES
Fam78a	<a href="#">241303</a>	-1.45631	-5.77828	0.00005	0.000323529	YES
Slc25a47	<a href="#">104910</a>	-1.45693	-3.81043	0.00005	0.000323529	YES
Dock4	<a href="#">238130</a>	-1.45709	-6.00856	0.00005	0.000323529	YES
Esm1	<a href="#">71690</a>	-1.45743	-2.46358	0.00075	0.00362109	YES
Gm4861	<a href="#">229862</a>	-1.45794	-3.95162	0.00005	0.000323529	YES
Fhl2	<a href="#">14200</a>	-1.46075	-7.53747	0.00005	0.000323529	YES
Trp53rk	<a href="#">76367</a>	-1.46191	-3.17908	0.00005	0.000323529	YES
Ces1e	<a href="#">13897</a>	-1.46351	-1.67749	0.0133	0.0419509	YES
Sh3rf2	<a href="#">269016</a>	-1.46378	-6.05691	0.00005	0.000323529	YES
Nctc1	<a href="#">330677</a>	-1.46743	-3.49755	0.00005	0.000323529	YES
Relt	<a href="#">320100</a>	-1.46794	-5.75913	0.00005	0.000323529	YES
Ptp4a3	<a href="#">19245</a>	-1.46852	-6.50473	0.00005	0.000323529	YES
Sntb1	<a href="#">20649</a>	-1.46936	-6.68459	0.00005	0.000323529	YES
Asnsd1	<a href="#">70396</a>	-1.47271	-7.27245	0.00005	0.000323529	YES
Nampt	<a href="#">59027</a>	-1.47688	-6.99795	0.00005	0.000323529	YES
Mstn	<a href="#">17700</a>	-1.47734	-7.06537	0.00005	0.000323529	YES
D0H4S114	<a href="#">27528</a>	-1.47829	-7.12627	0.00005	0.000323529	YES
Dhrs11	<a href="#">192970</a>	-1.47947	-7.11714	0.00005	0.000323529	YES
Hpx	<a href="#">15458</a>	-1.48101	-1.79759	0.01355	0.0425942	YES
Zfp703	<a href="#">353310</a>	-1.48111	-6.99082	0.00005	0.000323529	YES
Fam160b1	<a href="#">226252</a>	-1.4836	-7.08374	0.00005	0.000323529	YES
Ctnnbl1	<a href="#">66642</a>	-1.48363	-6.52349	0.00005	0.000323529	YES
Gm15179	<a href="#">100503248</a>	-1.48384	-1.74332	0.0039	0.0149481	YES
Crip3	<a href="#">114570</a>	-1.48411	-3.922	0.00005	0.000323529	YES

Gm11716	<a href="#">102640379</a>	-1.48437	-3.96709	0.00025	0.00138761	YES
3425401B19Rik	<a href="#">100504518</a>	-1.48546	-6.66887	0.00005	0.000323529	YES
Dusp26	<a href="#">66959</a>	-1.48585	-2.80402	0.00015	0.000880082	YES
Ppm1l	<a href="#">242083</a>	-1.48993	-7.0578	0.00005	0.000323529	YES
Alas1	<a href="#">11655</a>	-1.49017	-7.22728	0.00005	0.000323529	YES
Pitpnc1	<a href="#">71795</a>	-1.49042	-6.0645	0.00005	0.000323529	YES
Slc7a6	<a href="#">330836</a>	-1.4919	-6.58379	0.00005	0.000323529	YES
Gpt2	<a href="#">108682</a>	-1.49456	-7.31634	0.00005	0.000323529	YES
Slc41a3	<a href="#">71699</a>	-1.49649	-6.39674	0.00005	0.000323529	YES
Lrrc48	<a href="#">74665</a>	-1.50447	-2.90294	0.00005	0.000323529	YES
Mdga1	<a href="#">74762</a>	-1.50495	-3.95578	0.00005	0.000323529	YES
Slc7a2	<a href="#">11988</a>	-1.50563	-7.31695	0.00005	0.000323529	YES
Trim24	<a href="#">21848</a>	-1.50592	-6.60069	0.00005	0.000323529	YES
A530013C23Rik	<a href="#">329562</a>	-1.5069	-1.58613	0.01605	0.0489466	YES
Utp11l	<a href="#">67205</a>	-1.50826	-7.05959	0.00005	0.000323529	YES
Acbd7	<a href="#">78245</a>	-1.50895	-2.52267	0.0084	0.0285321	YES
Ldhd	<a href="#">52815</a>	-1.50922	-7.30356	0.00005	0.000323529	YES
Mtss1l	<a href="#">244654</a>	-1.5095	-6.34325	0.00005	0.000323529	YES
Snta1	<a href="#">20648</a>	-1.51311	-7.74437	0.00005	0.000323529	YES
1700025G04Rik	<a href="#">69399</a>	-1.51639	-6.99032	0.00005	0.000323529	YES
Tdo2	<a href="#">56720</a>	-1.51705	-1.82027	0.0081	0.0277467	YES
Dusp7	<a href="#">235584</a>	-1.51907	-6.51557	0.00005	0.000323529	YES
Evc	<a href="#">59056</a>	-1.52009	-5.62922	0.00005	0.000323529	YES
Ryr1	<a href="#">20190</a>	-1.52311	-4.59963	0.00005	0.000323529	YES
Nr4a1	<a href="#">15370</a>	-1.52355	-7.65529	0.00005	0.000323529	YES
Pitx1	<a href="#">18740</a>	-1.52618	-5.01723	0.00005	0.000323529	YES
Gm12059	<a href="#">100042875</a>	-1.5268	-2.15041	0.0005	0.00254778	YES
Smyd2	<a href="#">226830</a>	-1.52849	-7.18656	0.00005	0.000323529	YES
Fv1	<a href="#">14349</a>	-1.53056	-3.49092	0.00005	0.000323529	YES
Tuba8	<a href="#">53857</a>	-1.53578	-7.04676	0.00005	0.000323529	YES
Prdm1	<a href="#">12142</a>	-1.54069	-2.38824	0.0004	0.00210083	YES
Ramp1	<a href="#">51801</a>	-1.54704	-6.71708	0.00005	0.000323529	YES
Mc5r	<a href="#">17203</a>	-1.54779	-2.73766	0.00115	0.00525399	YES
Mfsd7b	<a href="#">226844</a>	-1.54808	-4.97918	0.00005	0.000323529	YES
Csda	<a href="#">56449</a>	-1.54944	-6.45776	0.00005	0.000323529	YES
Ccng1	<a href="#">12450</a>	-1.55306	-6.71443	0.00005	0.000323529	YES
Rab44	<a href="#">442827</a>	-1.55471	-2.01424	0.002	0.00841627	YES
Tmpo	<a href="#">21917</a>	-1.55486	-6.56004	0.00005	0.000323529	YES
Zfp52	<a href="#">22710</a>	-1.55495	-3.5474	0.00005	0.000323529	YES
Hsbp1l1	<a href="#">66255</a>	-1.5551	-1.9528	0.0083	0.0282595	YES
2810453I06Rik	<a href="#">67238</a>	-1.55603	-6.94064	0.00005	0.000323529	YES
Slc4a7	<a href="#">218756</a>	-1.55632	-6.18743	0.00005	0.000323529	YES
Xcr1	<a href="#">23832</a>	-1.55864	-1.91399	0.005	0.0184972	YES
Asb14	<a href="#">142687</a>	-1.5595	-7.05508	0.00005	0.000323529	YES
Arhgap20	<a href="#">244867</a>	-1.56115	-2.00118	0.00155	0.00678017	YES
Ndufs4	<a href="#">17993</a>	-1.56477	-8.03185	0.00005	0.000323529	YES
Trib1	<a href="#">211770</a>	-1.56486	-6.3533	0.00005	0.000323529	YES

Morc2b	<a href="#">240069</a>	-1.56649	-2.21189	0.0004	0.00210083	YES
Adcy1	<a href="#">432530</a>	-1.56655	-6.31352	0.00005	0.000323529	YES
Chac1	<a href="#">69065</a>	-1.56702	-4.47456	0.00005	0.000323529	YES
B230206H07Rik	<a href="#">320871</a>	-1.56976	-2.22359	0.00135	0.00601572	YES
Il6ra	<a href="#">16194</a>	-1.57002	-3.32008	0.00005	0.000323529	YES
Ovol1	<a href="#">18426</a>	-1.57379	-3.62738	0.00005	0.000323529	YES
1700042G15Rik	<a href="#">73349</a>	-1.57532	-0.928484	0.0104	0.0342386	YES
1700120C14Rik	<a href="#">73600</a>	-1.57881	-2.4117	0.00075	0.00362109	YES
Slc13a4	<a href="#">243755</a>	-1.58284	-1.94114	0.00695	0.0244189	YES
Pard6b	<a href="#">58220</a>	-1.58475	-3.16921	0.00005	0.000323529	YES
Gm26765		-1.58562	-2.73775	0.001	0.00465385	YES
4831440E17Rik	<a href="#">320965</a>	-1.58582	-4.10771	0.00005	0.000323529	YES
Actr3b	<a href="#">242894</a>	-1.58843	-6.90138	0.00005	0.000323529	YES
Thbs4	<a href="#">21828</a>	-1.59361	-6.28751	0.00005	0.000323529	YES
Vash2	<a href="#">226841</a>	-1.59428	-5.87715	0.00005	0.000323529	YES
Pgam2	<a href="#">56012</a>	-1.59479	-7.51257	0.00005	0.000323529	YES
Prkcz	<a href="#">18762</a>	-1.59499	-3.8829	0.00005	0.000323529	YES
Mrps18a	<a href="#">68565</a>	-1.59969	-9.08107	0.00005	0.000323529	YES
Inca1	<a href="#">103844</a>	-1.60113	-2.77524	0.00005	0.000323529	YES
BC042782		-1.60154	-2.17041	0.0028	0.0112271	YES
Aldh1a1	<a href="#">11668</a>	-1.60335	-7.64888	0.00005	0.000323529	YES
Pde4b	<a href="#">18578</a>	-1.60707	-6.8029	0.00005	0.000323529	YES
Zbtb16	<a href="#">235320</a>	-1.60785	-6.47941	0.00005	0.000323529	YES
Sh2b2	<a href="#">23921</a>	-1.6128	-4.30779	0.00005	0.000323529	YES
Il12a	<a href="#">16159</a>	-1.61553	-2.80977	0.00005	0.000323529	YES
Mylk3	<a href="#">213435</a>	-1.61586	-2.30033	0.0002	0.0011411	YES
Rxrg	<a href="#">20183</a>	-1.61639	-6.79511	0.00005	0.000323529	YES
Atp5l	<a href="#">27425</a>	-1.62225	-11.686	0.00005	0.000323529	YES
Frat1	<a href="#">14296</a>	-1.62262	-5.08005	0.00005	0.000323529	YES
Adh7	<a href="#">11529</a>	-1.62369	-1.81553	0.01545	0.0474943	YES
4933437F05Rik	<a href="#">71275</a>	-1.62475	-2.10042	0.00555	0.0201574	YES
Zfp385b	<a href="#">241494</a>	-1.62498	-3.09748	0.00005	0.000323529	YES
A430078G23Rik	<a href="#">319493</a>	-1.6265	-2.41572	0.0002	0.0011411	YES
Gm6307	<a href="#">622283</a>	-1.62984	-3.0065	0.0004	0.00210083	YES
Calr4	<a href="#">108802</a>	-1.63231	-1.55774	0.0113	0.0366568	YES
Gm7120	<a href="#">633640</a>	-1.6358	-5.50205	0.00005	0.000323529	YES
Shisa4	<a href="#">77552</a>	-1.63896	-9.13131	0.00005	0.000323529	YES
Hist1h4h	<a href="#">69386</a>	-1.64235	-7.01139	0.00005	0.000323529	YES
2610528E23Rik	<a href="#">66497</a>	-1.643	-2.77882	0.0007	0.00340476	YES
Adssl1	<a href="#">11565</a>	-1.64348	-7.38959	0.00005	0.000323529	YES
C1ql3	<a href="#">227580</a>	-1.64776	-3.4504	0.00005	0.000323529	YES
Phf7	<a href="#">71838</a>	-1.65189	-5.02311	0.00005	0.000323529	YES
Apobr	<a href="#">171504</a>	-1.65347	-2.86078	0.00005	0.000323529	YES
2310069B03Rik	<a href="#">69652</a>	-1.65508	-2.75114	0.0002	0.0011411	YES
Gm5523	<a href="#">433273</a>	-1.65614	-3.73654	0.00005	0.000323529	YES
2810405K02Rik	<a href="#">66469</a>	-1.65684	-9.9611	0.00005	0.000323529	YES
Pgm2	<a href="#">72157</a>	-1.66327	-7.14571	0.00005	0.000323529	YES

Tbc1d1	<a href="#">57915</a>	-1.66497	-7.59064	0.00005	0.000323529	YES
Sorl1	<a href="#">20660</a>	-1.66504	-6.86148	0.00005	0.000323529	YES
9230115E21Rik	<a href="#">408028</a>	-1.66572	-1.33566	0.0103	0.0339591	YES
2310042D19Rik	<a href="#">74183</a>	-1.66936	-7.95033	0.00005	0.000323529	YES
Lmod3	<a href="#">320502</a>	-1.67594	-7.42905	0.00005	0.000323529	YES
Th	<a href="#">21823</a>	-1.68314	-2.35451	0.002	0.00841627	YES
Lrtm1	<a href="#">319476</a>	-1.6841	-7.60754	0.00005	0.000323529	YES
Synm	<a href="#">233335</a>	-1.68509	-6.50593	0.00005	0.000323529	YES
Atp1b1	<a href="#">11931</a>	-1.68791	-7.93663	0.00005	0.000323529	YES
Pla2g12a	<a href="#">66350</a>	-1.69485	-7.57711	0.00005	0.000323529	YES
Fmn2	<a href="#">54418</a>	-1.69512	-4.5863	0.00005	0.000323529	YES
Pitx3	<a href="#">18742</a>	-1.69964	-4.30858	0.00005	0.000323529	YES
Apln	<a href="#">30878</a>	-1.70376	-3.69004	0.00005	0.000323529	YES
Ldlr	<a href="#">16835</a>	-1.70385	-6.90088	0.00005	0.000323529	YES
Bpgm	<a href="#">12183</a>	-1.70704	-8.24841	0.00005	0.000323529	YES
Ckm	<a href="#">12715</a>	-1.70907	-4.16522	0.00005	0.000323529	YES
Tnni2	<a href="#">21953</a>	-1.71368	-3.94399	0.00005	0.000323529	YES
Il15	<a href="#">16168</a>	-1.71789	-3.90618	0.00005	0.000323529	YES
Mad2l1bp	<a href="#">66591</a>	-1.71906	-7.996	0.00005	0.000323529	YES
Ube2t	<a href="#">67196</a>	-1.72591	-4.55063	0.00005	0.000323529	YES
Ntf5	<a href="#">78405</a>	-1.72604	-3.73058	0.00005	0.000323529	YES
Parm1	<a href="#">231440</a>	-1.73056	-6.16726	0.00005	0.000323529	YES
Nepn	<a href="#">66650</a>	-1.73146	-1.8102	0.00885	0.0297586	YES
Gm608	<a href="#">207806</a>	-1.73476	-8.00462	0.00005	0.000323529	YES
Ppp1r32	<a href="#">67752</a>	-1.73639	-2.28573	0.0015	0.00658526	YES
Pfkfb3	<a href="#">170768</a>	-1.73804	-7.21024	0.00005	0.000323529	YES
Rorc	<a href="#">19885</a>	-1.7411	-5.82389	0.00005	0.000323529	YES
Slc16a1	<a href="#">20501</a>	-1.74241	-8.38769	0.00005	0.000323529	YES
Cited1	<a href="#">12705</a>	-1.7451	-2.61469	0.004	0.0152681	YES
Tmie	<a href="#">20776</a>	-1.74641	-2.68184	0.00025	0.00138761	YES
Ccdc57	<a href="#">71276</a>	-1.7469	-4.13315	0.00005	0.000323529	YES
2010300C02Rik	<a href="#">72097</a>	-1.75808	-3.54488	0.00005	0.000323529	YES
Gapdh	<a href="#">14433</a>	-1.76405	-5.1992	0.00005	0.000323529	YES
Pdzrn3	<a href="#">55983</a>	-1.76639	-7.77586	0.00005	0.000323529	YES
Gm15856		-1.76663	-2.86888	0.00005	0.000323529	YES
Abcb4	<a href="#">18670</a>	-1.76916	-8.15812	0.00005	0.000323529	YES
F730035M05Rik	<a href="#">414124</a>	-1.76935	-2.00217	0.0017	0.00733233	YES
Gm20594	<a href="#">100463512</a>	-1.77121	-12.2033	0.00005	0.000323529	YES
Egfem1	<a href="#">75740</a>	-1.77766	-1.74158	0.00435	0.0164445	YES
Hlx	<a href="#">15284</a>	-1.78517	-8.08361	0.00005	0.000323529	YES
Tnnt3	<a href="#">21957</a>	-1.78531	-3.7743	0.00005	0.000323529	YES
Ephb1	<a href="#">270190</a>	-1.78539	-3.45997	0.00005	0.000323529	YES
Gm17179		-1.78681	-1.92239	0.00225	0.00928693	YES
Tekt1	<a href="#">21689</a>	-1.78729	-4.11329	0.00005	0.000323529	YES
Sln	<a href="#">66402</a>	-1.79031	-10.0047	0.00005	0.000323529	YES
Smad3	<a href="#">17127</a>	-1.79288	-8.42596	0.00005	0.000323529	YES
Klhdc3	<a href="#">71765</a>	-1.79513	-2.34139	0.0023	0.00946104	YES

Smox	<a href="#">228608</a>	-1.80228	-1.67535	0.01465	0.0454346	YES
Rab3b	<a href="#">69908</a>	-1.80286	-1.62994	0.01495	0.046192	YES
Vldlr	<a href="#">22359</a>	-1.80518	-8.07365	0.00005	0.000323529	YES
Kctd15	<a href="#">233107</a>	-1.80692	-8.72341	0.00005	0.000323529	YES
St3gal5	<a href="#">20454</a>	-1.80834	-8.78574	0.00005	0.000323529	YES
E030003E18Rik	<a href="#">320092</a>	-1.81052	-5.95248	0.00005	0.000323529	YES
Kcnb2	<a href="#">98741</a>	-1.81105	-2.89348	0.00005	0.000323529	YES
Prkd1	<a href="#">18760</a>	-1.82454	-5.6768	0.00005	0.000323529	YES
Cxcr5	<a href="#">12145</a>	-1.82736	-1.81058	0.0161	0.0490705	YES
Slc38a3	<a href="#">76257</a>	-1.82886	-8.28334	0.00005	0.000323529	YES
Ccdc136	<a href="#">232664</a>	-1.8292	-5.39606	0.00005	0.000323529	YES
Myo5a	<a href="#">17918</a>	-1.83278	-6.18069	0.00005	0.000323529	YES
Ccrn4l	<a href="#">12457</a>	-1.84042	-8.24851	0.00005	0.000323529	YES
Nog	<a href="#">18121</a>	-1.84181	-4.21473	0.00005	0.000323529	YES
Ly6g6e	<a href="#">70274</a>	-1.84408	-4.11429	0.00005	0.000323529	YES
S100a8	<a href="#">20201</a>	-1.84833	-3.32456	0.0132	0.041694	YES
Ldha	<a href="#">16828</a>	-1.85569	-5.59609	0.00005	0.000323529	YES
Asb11	<a href="#">68854</a>	-1.85589	-9.87714	0.00005	0.000323529	YES
Smtnl2	<a href="#">276829</a>	-1.85861	-8.96842	0.00005	0.000323529	YES
Myot	<a href="#">58916</a>	-1.85971	-8.307	0.00005	0.000323529	YES
Naa50	<a href="#">72117</a>	-1.86184	-9.26299	0.00005	0.000323529	YES
Cnksr1	<a href="#">194231</a>	-1.86308	-7.27445	0.00005	0.000323529	YES
Agbl1	<a href="#">244071</a>	-1.86636	-3.67773	0.00005	0.000323529	YES
Orm1	<a href="#">18405</a>	-1.87686	-3.74943	0.00005	0.000323529	YES
Fgf2	<a href="#">14173</a>	-1.87761	-2.61606	0.00025	0.00138761	YES
Gm9766	<a href="#">100038725</a>	-1.87876	-1.69538	0.0051	0.0188096	YES
2610019F03Rik	<a href="#">72148</a>	-1.89228	-8.37762	0.00005	0.000323529	YES
Efr3b	<a href="#">668212</a>	-1.89503	-6.23808	0.00005	0.000323529	YES
2310015D24Rik	<a href="#">70100</a>	-1.89731	-7.98375	0.00005	0.000323529	YES
Clec2d	<a href="#">93694</a>	-1.89747	-9.17845	0.00005	0.000323529	YES
Gm973	<a href="#">381260</a>	-1.90009	-3.29558	0.00005	0.000323529	YES
Sgk1	<a href="#">20393</a>	-1.90049	-8.6137	0.00005	0.000323529	YES
Kcna7	<a href="#">16495</a>	-1.90189	-9.03926	0.00005	0.000323529	YES
Col13a1	<a href="#">12817</a>	-1.90529	-3.69957	0.00005	0.000323529	YES
Ccdc146	<a href="#">75172</a>	-1.90561	-1.88	0.0056	0.0203155	YES
2310040G24Rik	<a href="#">381792</a>	-1.90764	-7.2914	0.00005	0.000323529	YES
Tpm2	<a href="#">22004</a>	-1.9079	-4.99204	0.00005	0.000323529	YES
Avil	<a href="#">11567</a>	-1.9106	-4.11055	0.00005	0.000323529	YES
4933406C10Rik	<a href="#">74076</a>	-1.91418	-2.28137	0.00015	0.000880082	YES
Ampd1	<a href="#">229665</a>	-1.91775	-8.65284	0.00005	0.000323529	YES
Gm26813		-1.91871	-2.64842	0.00005	0.000323529	YES
Gm12319		-1.92014	-5.53618	0.00005	0.000323529	YES
Gm27002		-1.9211	-1.42247	0.0079	0.027186	YES
Ubxn10	<a href="#">212190</a>	-1.92435	-4.15394	0.00005	0.000323529	YES
Serpina1b	<a href="#">20701</a>	-1.92605	-1.78744	0.0102	0.0336506	YES
2310050B05Rik	<a href="#">69678</a>	-1.92792	-6.76511	0.00005	0.000323529	YES
Efcab6	<a href="#">77627</a>	-1.92961	-2.9359	0.00005	0.000323529	YES

Tmem100	<a href="#">67888</a>	-1.93012	-7.01384	0.00005	0.000323529	YES
Map2k6	<a href="#">26399</a>	-1.93501	-6.63884	0.00005	0.000323529	YES
Gnao1	<a href="#">14681</a>	-1.93564	-7.90303	0.00005	0.000323529	YES
Mylpf	<a href="#">17907</a>	-1.93725	-6.1976	0.00005	0.000323529	YES
Csrp3	<a href="#">13009</a>	-1.94379	-7.1149	0.00005	0.000323529	YES
Pdp1	<a href="#">381511</a>	-1.95332	-8.8012	0.00005	0.000323529	YES
Eno3	<a href="#">13808</a>	-1.9545	-3.81347	0.00005	0.000323529	YES
Hist1h1e	<a href="#">50709</a>	-1.95917	-4.03482	0.00005	0.000323529	YES
Lzts1	<a href="#">211134</a>	-1.96149	-3.79017	0.00005	0.000323529	YES
Riiad1	<a href="#">66353</a>	-1.97083	-6.39989	0.00005	0.000323529	YES
Klhl34	<a href="#">245683</a>	-1.97422	-3.63707	0.00005	0.000323529	YES
Cd55	<a href="#">13136</a>	-1.97843	-9.03131	0.00005	0.000323529	YES
Myh3	<a href="#">17883</a>	-1.98471	-2.62377	0.00005	0.000323529	YES
Zdhhc23	<a href="#">332175</a>	-1.98686	-2.80815	0.00085	0.00404799	YES
Mmp8	<a href="#">17394</a>	-1.98969	-1.9703	0.0068	0.0239668	YES
Pfn2	<a href="#">18645</a>	-1.99158	-10.6762	0.00005	0.000323529	YES
Gdnf	<a href="#">14573</a>	-1.99985	-2.23306	0.0026	0.0105407	YES
Abra	<a href="#">223513</a>	-2.00395	-9.05279	0.00005	0.000323529	YES
Mreg	<a href="#">381269</a>	-2.00502	-9.61757	0.00005	0.000323529	YES
Glp2r	<a href="#">93896</a>	-2.01324	-2.78073	0.0001	0.000610637	YES
Kcnk2	<a href="#">16526</a>	-2.0162	-5.60483	0.00005	0.000323529	YES
Nek6	<a href="#">59126</a>	-2.03405	-5.73917	0.00005	0.000323529	YES
Mfsd7a	<a href="#">243197</a>	-2.03642	-8.50275	0.00005	0.000323529	YES
Frat2	<a href="#">212398</a>	-2.03708	-7.49255	0.00005	0.000323529	YES
Car14	<a href="#">23831</a>	-2.04308	-5.71685	0.00005	0.000323529	YES
6030408B16Rik	<a href="#">77717</a>	-2.04505	-2.57523	0.0018	0.00770449	YES
Gm15635		-2.05773	-2.45545	0.00025	0.00138761	YES
Catsper4	<a href="#">329954</a>	-2.06383	-1.90912	0.0019	0.00807975	YES
Susd4	<a href="#">96935</a>	-2.06464	-3.84188	0.00005	0.000323529	YES
Mttp	<a href="#">17777</a>	-2.06502	-6.12691	0.00005	0.000323529	YES
Afap1l2	<a href="#">226250</a>	-2.07138	-5.12905	0.00005	0.000323529	YES
Pvalb	<a href="#">19293</a>	-2.07413	-9.8904	0.00005	0.000323529	YES
Hbegf	<a href="#">15200</a>	-2.07641	-5.26593	0.00005	0.000323529	YES
Uts2r	<a href="#">217369</a>	-2.08039	-4.6881	0.00005	0.000323529	YES
Dazl	<a href="#">13164</a>	-2.08498	-2.74516	0.0001	0.000610637	YES
Golt1a	<a href="#">68338</a>	-2.09506	-3.91265	0.00005	0.000323529	YES
1100001G20Rik	<a href="#">66107</a>	-2.09691	-4.17615	0.00125	0.00562912	YES
Myo5c	<a href="#">208943</a>	-2.10638	-8.11904	0.00005	0.000323529	YES
Myh13	<a href="#">544791</a>	-2.10779	-2.94402	0.00005	0.000323529	YES
Rprml	<a href="#">104582</a>	-2.10916	-2.96207	0.00255	0.0103674	YES
Fam129a	<a href="#">63913</a>	-2.11109	-8.69991	0.00005	0.000323529	YES
Gnal	<a href="#">14680</a>	-2.11216	-3.08486	0.00005	0.000323529	YES
Gm514	<a href="#">208080</a>	-2.11374	-2.15255	0.0085	0.0287538	YES
Dcpp2	<a href="#">630537</a>	-2.12019	-3.8209	0.0009	0.00424116	YES
Rasgef1b	<a href="#">320292</a>	-2.12113	-4.1956	0.00005	0.000323529	YES
Myl1	<a href="#">17901</a>	-2.12215	-4.26322	0.00005	0.000323529	YES
Sh2d7	<a href="#">244885</a>	-2.12363	-4.24041	0.00005	0.000323529	YES

Adrbk2	<a href="#">320129</a>	-2.12503	-5.85369	0.00005	0.000323529	YES
Atp7b	<a href="#">11979</a>	-2.12728	-2.76429	0.0001	0.000610637	YES
Pfkfb1	<a href="#">18639</a>	-2.12904	-9.6757	0.00005	0.000323529	YES
Hk2	<a href="#">15277</a>	-2.14158	-9.7735	0.00005	0.000323529	YES
Acta1	<a href="#">11459</a>	-2.14369	-4.34625	0.00005	0.000323529	YES
Magix	<a href="#">54634</a>	-2.15611	-6.27444	0.00005	0.000323529	YES
Nrg2	<a href="#">100042150</a>	-2.1563	-2.48384	0.00105	0.00485494	YES
Ankrd23	<a href="#">78321</a>	-2.16123	-9.33452	0.00005	0.000323529	YES
Cd24a	<a href="#">12484</a>	-2.1635	-9.90513	0.00005	0.000323529	YES
Nt5c1a	<a href="#">230718</a>	-2.16379	-4.72142	0.00005	0.000323529	YES
Ptpn3	<a href="#">545622</a>	-2.16623	-9.56868	0.00005	0.000323529	YES
Tbc1d10c	<a href="#">108995</a>	-2.17123	-3.79609	0.00005	0.000323529	YES
Alpl	<a href="#">11647</a>	-2.17667	-7.87854	0.00005	0.000323529	YES
4930513N10Rik	<a href="#">319960</a>	-2.18088	-2.23544	0.00115	0.00658526	YES
Hs3st3a1	<a href="#">15478</a>	-2.18394	-2.77056	0.0002	0.0011411	YES
Lgi1	<a href="#">56839</a>	-2.18611	-4.57687	0.00005	0.000323529	YES
Gprc5b	<a href="#">64297</a>	-2.18857	-7.80382	0.00005	0.000323529	YES
Myoz1	<a href="#">59011</a>	-2.20128	-8.50492	0.00005	0.000323529	YES
Rrm2	<a href="#">20135</a>	-2.20541	-5.55334	0.00005	0.000323529	YES
Ces1d	<a href="#">104158</a>	-2.20725	-8.5566	0.00005	0.000323529	YES
Zp2	<a href="#">22787</a>	-2.20885	-3.6365	0.00005	0.000323529	YES
Slc2a4	<a href="#">20528</a>	-2.21054	-11.0128	0.00005	0.000323529	YES
Fam124b	<a href="#">241128</a>	-2.21928	-3.05247	0.00005	0.000323529	YES
Lgi2	<a href="#">246316</a>	-2.22423	-5.94955	0.00005	0.000323529	YES
Tph2	<a href="#">216343</a>	-2.22513	-3.06439	0.0001	0.000610637	YES
2310075C17Rik	<a href="#">70194</a>	-2.22795	-5.57202	0.002	0.00841627	YES
Phlda3	<a href="#">27280</a>	-2.22992	-10.6651	0.00005	0.000323529	YES
9030617O03Rik	<a href="#">217830</a>	-2.23204	-9.57433	0.00005	0.000323529	YES
C330018A13Rik	<a href="#">320805</a>	-2.23657	-3.82252	0.00005	0.000323529	YES
Serpine1	<a href="#">18787</a>	-2.23717	-6.05306	0.00005	0.000323529	YES
Wipf3	<a href="#">330319</a>	-2.23794	-7.01809	0.00005	0.000323529	YES
P2ry6	<a href="#">233571</a>	-2.24712	-5.61255	0.00005	0.000323529	YES
Mid1ip1	<a href="#">68041</a>	-2.25093	-7.6229	0.00005	0.000323529	YES
Mlf1	<a href="#">17349</a>	-2.25185	-8.8521	0.00005	0.000323529	YES
Spock1	<a href="#">20745</a>	-2.25908	-4.28915	0.00005	0.000323529	YES
Ky	<a href="#">16716</a>	-2.26141	-10.0122	0.00005	0.000323529	YES
Snai3	<a href="#">30927</a>	-2.27102	-8.33879	0.00005	0.000323529	YES
Tpm1	<a href="#">22003</a>	-2.27532	-5.52181	0.00005	0.000323529	YES
Ppp1r3c	<a href="#">53412</a>	-2.2789	-10.627	0.00005	0.000323529	YES
Cacna1i	<a href="#">239556</a>	-2.28895	-3.27813	0.00005	0.000323529	YES
Gm17518	<a href="#">100503390</a>	-2.29317	-2.24984	0.0009	0.00424116	YES
Myoz3	<a href="#">170947</a>	-2.302	-10.5485	0.00005	0.000323529	YES
Mchr1	<a href="#">207911</a>	-2.30698	-7.68886	0.00005	0.000323529	YES
Gcgr	<a href="#">14527</a>	-2.30711	-2.35717	0.0018	0.00770449	YES
Apoa1	<a href="#">11806</a>	-2.31014	-2.53474	0.0027	0.0108761	YES
Tmod4	<a href="#">50874</a>	-2.31257	-10.7658	0.00005	0.000323529	YES
Tfrc	<a href="#">22042</a>	-2.31964	-11.0287	0.00005	0.000323529	YES

Gm14493		-2.32721	-5.39651	0.00005	0.000323529	YES
Kcnc4	<a href="#">99738</a>	-2.33685	-8.29693	0.00005	0.000323529	YES
Gm12781	<a href="#">102639020</a>	-2.33945	-1.67105	0.00135	0.00601572	YES
4430402I18Rik	<a href="#">381218</a>	-2.34337	-5.13385	0.00005	0.000323529	YES
4931413K12Rik	<a href="#">70987</a>	-2.35019	-1.78685	0.005	0.0184972	YES
Aqp4	<a href="#">11829</a>	-2.36673	-10.9472	0.00005	0.000323529	YES
2310001H17Rik	<a href="#">76432</a>	-2.37016	-2.75244	0.00165	0.00715394	YES
Cklf	<a href="#">75458</a>	-2.37699	-4.1276	0.00005	0.000323529	YES
Gm5105	<a href="#">329763</a>	-2.37909	-8.98716	0.00005	0.000323529	YES
Tcap	<a href="#">21393</a>	-2.37974	-10.0877	0.00005	0.000323529	YES
Gm13883		-2.39181	-1.61099	0.0052	0.0191112	YES
Slc16a3	<a href="#">80879</a>	-2.39374	-11.1088	0.00005	0.000323529	YES
Sar1b	<a href="#">66397</a>	-2.39511	-12.9123	0.00005	0.000323529	YES
Golm1	<a href="#">105348</a>	-2.39597	-9.169	0.00005	0.000323529	YES
Serpina1d	<a href="#">20703</a>	-2.40336	-2.10684	0.0084	0.0285321	YES
Thpo	<a href="#">21832</a>	-2.43996	-5.06902	0.00005	0.000323529	YES
Rasl2-9-ps	<a href="#">19428</a>	-2.44752	-3.29216	0.00025	0.00138761	YES
Gm3510	<a href="#">100041781</a>	-2.44837	-1.68557	0.00785	0.0270376	YES
Gm8579	<a href="#">667335</a>	-2.46101	-2.51467	0.0059	0.0212324	YES
Ccdc155	<a href="#">384619</a>	-2.47548	-3.09477	0.00005	0.000323529	YES
Slc40a1	<a href="#">53945</a>	-2.47965	-8.93502	0.00005	0.000323529	YES
Treh	<a href="#">58866</a>	-2.48874	-2.59469	0.0019	0.00807975	YES
Cib2	<a href="#">56506</a>	-2.50498	-13.9284	0.00005	0.000323529	YES
E330011O21Rik	<a href="#">100503619</a>	-2.51584	-5.20478	0.00005	0.000323529	YES
Aldoa	<a href="#">11674</a>	-2.51907	-7.89768	0.00005	0.000323529	YES
2310020H05Rik	<a href="#">69603</a>	-2.52254	-6.35674	0.00005	0.000323529	YES
4930509E16Rik	<a href="#">75115</a>	-2.52558	-1.63616	0.01565	0.0479592	YES
Piwil2	<a href="#">57746</a>	-2.53288	-4.12584	0.00005	0.000323529	YES
9130230L23Rik	<a href="#">231253</a>	-2.5594	-3.67388	0.00005	0.000323529	YES
2310001H17Rik	<a href="#">76432</a>	-2.56126	-3.41278	0.00005	0.000323529	YES
Esr2	<a href="#">13983</a>	-2.56144	-2.21372	0.0028	0.0112271	YES
Prnd	<a href="#">26434</a>	-2.57428	-4.2461	0.00005	0.000323529	YES
Ntsr2	<a href="#">18217</a>	-2.57985	-3.66028	0.00005	0.000323529	YES
Gm19689	<a href="#">100503434</a>	-2.58725	-3.48404	0.0001	0.000610637	YES
Car3	<a href="#">12350</a>	-2.59258	-10.2736	0.00005	0.000323529	YES
Gm15915	<a href="#">100504069</a>	-2.60242	-1.85841	0.0082	0.0280222	YES
Lhb	<a href="#">16866</a>	-2.60328	-4.26913	0.0014	0.00620513	YES
Shroom1	<a href="#">71774</a>	-2.61297	-4.46528	0.00005	0.000323529	YES
Cck	<a href="#">12424</a>	-2.61837	-3.57744	0.0021	0.00876905	YES
Ahsg	<a href="#">11625</a>	-2.62058	-2.42365	0.00655	0.0231896	YES
Mylk4	<a href="#">238564</a>	-2.64517	-11.3639	0.00005	0.000323529	YES
Fhl1	<a href="#">14199</a>	-2.64575	-7.58059	0.00005	0.000323529	YES
Gm16268		-2.65026	-2.87456	0.00005	0.000323529	YES
Cdh3	<a href="#">12560</a>	-2.66183	-4.05755	0.00005	0.000323529	YES
Mybpc2	<a href="#">233199</a>	-2.67652	-6.41687	0.00005	0.000323529	YES
Clec18a	<a href="#">353287</a>	-2.6916	-4.06835	0.00005	0.000323529	YES
Fam131a	<a href="#">78408</a>	-2.70038	-12.3897	0.00005	0.000323529	YES

Gm21747	<a href="#">105246366</a>	-2.70199	-3.6643	0.00005	0.000323529	YES
Fhl3	<a href="#">14201</a>	-2.70567	-14.0374	0.00005	0.000323529	YES
H19	<a href="#">14955</a>	-2.71426	-10.1958	0.00005	0.000323529	YES
Apoa2	<a href="#">11807</a>	-2.72148	-5.26914	0.00005	0.000323529	YES
Scn4b	<a href="#">399548</a>	-2.72294	-11.961	0.00005	0.000323529	YES
Sbk2	<a href="#">381836</a>	-2.72767	-14.6804	0.00005	0.000323529	YES
Spns2	<a href="#">216892</a>	-2.74048	-13.3098	0.00005	0.000323529	YES
E230001N04Rik	<a href="#">320187</a>	-2.74146	-2.53459	0.00105	0.00485494	YES
Rgn	<a href="#">19733</a>	-2.75018	-2.44764	0.00425	0.0161129	YES
Ttc18	<a href="#">76670</a>	-2.75953	-3.65276	0.00005	0.000323529	YES
Ppm1j	<a href="#">71887</a>	-2.76256	-12.0528	0.00005	0.000323529	YES
Fbp1	<a href="#">14121</a>	-2.76327	-2.42861	0.00705	0.0246931	YES
Aldoart1	<a href="#">353204</a>	-2.77455	-3.47417	0.00005	0.000323529	YES
1700029J11Rik	<a href="#">76426</a>	-2.77466	-3.0495	0.00565	0.0204591	YES
Grem2	<a href="#">23893</a>	-2.78721	-4.60881	0.00005	0.000323529	YES
Slc24a2	<a href="#">76376</a>	-2.81822	-11.8878	0.00005	0.000323529	YES
Gpr179	<a href="#">217143</a>	-2.83821	-4.53407	0.00005	0.000323529	YES
Slc15a5	<a href="#">277898</a>	-2.83838	-6.98385	0.00005	0.000323529	YES
Ccdc85a	<a href="#">216613</a>	-2.86082	-10.7868	0.00005	0.000323529	YES
Opcml	<a href="#">330908</a>	-2.86451	-6.46197	0.00005	0.000323529	YES
Gpd1	<a href="#">14555</a>	-2.86919	-11.9563	0.00005	0.000323529	YES
Phyhd1	<a href="#">227696</a>	-2.87777	-10.6207	0.00005	0.000323529	YES
Fkbp5	<a href="#">14229</a>	-2.88121	-12.0114	0.00005	0.000323529	YES
Sspo	<a href="#">243369</a>	-2.90257	-4.33022	0.00005	0.000323529	YES
Fam40b	<a href="#">320609</a>	-2.91679	-8.46026	0.00005	0.000323529	YES
Ivns1abp	<a href="#">117198</a>	-2.9239	-11.8874	0.00005	0.000323529	YES
Slc38a2	<a href="#">67760</a>	-2.93325	-14.2122	0.00005	0.000323529	YES
Pkdcc	<a href="#">106522</a>	-2.94586	-15.0104	0.00005	0.000323529	YES
Aldoart2	<a href="#">79459</a>	-2.95155	-5.0988	0.00005	0.000323529	YES
Phf19	<a href="#">74016</a>	-2.98067	-4.73084	0.00005	0.000323529	YES
Zmynd17	<a href="#">74843</a>	-3.00014	-13.1999	0.00005	0.000323529	YES
2410127L17Rik	<a href="#">67383</a>	-3.02622	-14.6995	0.00005	0.000323529	YES
Atp1a4	<a href="#">27222</a>	-3.03762	-3.27658	0.00025	0.00138761	YES
Ybx2	<a href="#">53422</a>	-3.03901	-6.91871	0.00005	0.000323529	YES
Myh2	<a href="#">17882</a>	-3.04693	-11.5207	0.00005	0.000323529	YES
Etnk2	<a href="#">214253</a>	-3.05578	-3.95301	0.00005	0.000323529	YES
Actn3	<a href="#">11474</a>	-3.06496	-7.92203	0.00005	0.000323529	YES
9630001P10Rik	<a href="#">319251</a>	-3.07358	-3.00588	0.00045	0.00232845	YES
1700113H08Rik	<a href="#">76640</a>	-3.08971	-5.08414	0.00005	0.000323529	YES
Car9	<a href="#">230099</a>	-3.09358	-3.39834	0.00005	0.000323529	YES
Gm15675	<a href="#">105246705</a>	-3.11834	-10.8532	0.00005	0.000323529	YES
Hr	<a href="#">15460</a>	-3.13305	-11.1629	0.00005	0.000323529	YES
Kiss1	<a href="#">280287</a>	-3.15474	-4.69679	0.00125	0.00562912	YES
Rasl11b	<a href="#">68939</a>	-3.16051	-10.0893	0.00005	0.000323529	YES
Gabrr2	<a href="#">14409</a>	-3.21208	-15.245	0.00005	0.000323529	YES
Serpina3k	<a href="#">20714</a>	-3.21897	-3.71292	0.00005	0.000323529	YES
Glb1l2	<a href="#">244757</a>	-3.22785	-10.6968	0.00005	0.000323529	YES

Pla2g2c	<a href="#">18781</a>	-3.2463	-3.39173	0.00055	0.00276141	YES
Tmem232	<a href="#">381107</a>	-3.2546	-2.80882	0.002	0.00841627	YES
Aldob	<a href="#">230163</a>	-3.25698	-2.92221	0.00065	0.00319117	YES
2310008N11Rik	<a href="#">72316</a>	-3.26231	-3.9475	0.00205	0.00859219	YES
4933406C10Rik	<a href="#">74076</a>	-3.26684	-2.83507	0.00035	0.00186438	YES
2310010M20Rik	<a href="#">69576</a>	-3.28843	-11.0221	0.00005	0.000323529	YES
Ntm	<a href="#">235106</a>	-3.32444	-4.8422	0.00005	0.000323529	YES
Gpr151	<a href="#">240239</a>	-3.33315	-3.24893	0.00155	0.00678017	YES
Sh2d4b	<a href="#">328381</a>	-3.33855	-2.66744	0.006	0.0215283	YES
Sox2ot	<a href="#">320478</a>	-3.35328	-1.40065	0.0002	0.0011411	YES
Tph1	<a href="#">21990</a>	-3.36073	-3.9481	0.00005	0.000323529	YES
Spag4	<a href="#">245865</a>	-3.36797	-5.68117	0.00005	0.000323529	YES
Gm15674	<a href="#">102640368</a>	-3.38022	-4.20023	0.00005	0.000323529	YES
D430041D05Rik	<a href="#">241589</a>	-3.38775	-10.5679	0.00005	0.000323529	YES
Mup3	<a href="#">17842</a>	-3.45318	-4.87171	0.00005	0.000323529	YES
Cd27	<a href="#">21940</a>	-3.45525	-2.85393	0.0017	0.00733233	YES
Greb1	<a href="#">268527</a>	-3.46021	-9.26711	0.00005	0.000323529	YES
Slc30a2	<a href="#">230810</a>	-3.46354	-10.9126	0.00005	0.000323529	YES
Calb2	<a href="#">12308</a>	-3.47521	-2.99628	0.00025	0.00138761	YES
Sema4f	<a href="#">20355</a>	-3.48282	-6.14021	0.00005	0.000323529	YES
Gm12590		-3.49583	-2.69839	0.00595	0.021383	YES
4933415F23Rik	<a href="#">66755</a>	-3.50869	-3.7969	0.00005	0.000323529	YES
Apoh	<a href="#">11818</a>	-3.52868	-2.97633	0.0055	0.0200127	YES
Stab2	<a href="#">192188</a>	-3.58228	-7.33236	0.00005	0.000323529	YES
Alb	<a href="#">11657</a>	-3.60321	-6.94458	0.00005	0.000323529	YES
Gm5860	<a href="#">545641</a>	-3.63065	-2.85901	0.00005	0.000323529	YES
Gm1078	<a href="#">381835</a>	-3.64398	-5.06093	0.00005	0.000323529	YES
Gm12541		-3.64607	-2.75537	0.00005	0.000323529	YES
Tcf23	<a href="#">69852</a>	-3.70721	-11.3049	0.00005	0.000323529	YES
Muc4	<a href="#">140474</a>	-3.71715	-3.49614	0.00005	0.000323529	YES
Kcnc1	<a href="#">16502</a>	-3.7854	-11.9981	0.00005	0.000323529	YES
4933408N05Rik	<a href="#">71122</a>	-3.8424	-2.50445	0.0011	0.0050638	YES
Trpm1	<a href="#">17364</a>	-3.84254	-3.68319	0.00005	0.000323529	YES
Slc47a1	<a href="#">67473</a>	-3.90406	-13.2844	0.00005	0.000323529	YES
Serpina1e	<a href="#">20704</a>	-3.92836	-2.93502	0.00785	0.0270376	YES
Ppp1r27	<a href="#">68701</a>	-3.94184	-19.877	0.00005	0.000323529	YES
Kcnq5	<a href="#">226922</a>	-4.00082	-13.2552	0.00005	0.000323529	YES
Kcng4	<a href="#">66733</a>	-4.05456	-16.6478	0.00005	0.000323529	YES
Fabp1	<a href="#">14080</a>	-4.05667	-5.57637	0.00005	0.000323529	YES
Gm4980	<a href="#">100503386</a>	-4.0887	-13.1066	0.00005	0.000323529	YES
Gm11755	<a href="#">105243637</a>	-4.09501	-1.39826	0.001	0.00465385	YES
Gm14154	<a href="#">102633439</a>	-4.11953	-1.7806	0.00135	0.00601572	YES
Dgat2l6	<a href="#">668257</a>	-4.13921	-4.58163	0.00005	0.000323529	YES
Cyp3a11	<a href="#">13112</a>	-4.14851	-3.35445	0.0003	0.00163174	YES
Gm10605	<a href="#">100038557</a>	-4.15567	-6.37194	0.00005	0.000323529	YES
Cdhr3	<a href="#">68764</a>	-4.17611	-7.71271	0.00005	0.000323529	YES
A530098C11Rik	<a href="#">433294</a>	-4.22818	-21.0383	0.00005	0.000323529	YES

Gm15676	<a href="#">100503974</a>	-4.28007	-4.95789	0.00005	0.000323529	YES
Gna14	<a href="#">14675</a>	-4.28257	-9.68603	0.00005	0.000323529	YES
Gm12708	<a href="#">105244624</a>	-4.39535	-1.41956	0.00005	0.000323529	YES
Bmp8a	<a href="#">12163</a>	-4.39596	-4.07866	0.00025	0.00138761	YES
2310065F04Rik	<a href="#">74184</a>	-4.39877	-8.29427	0.00005	0.000323529	YES
B3gat1	<a href="#">76898</a>	-4.43682	-5.80803	0.00005	0.000323529	YES
Spink5	<a href="#">72432</a>	-4.44039	-2.96378	0.001	0.00465385	YES
Myl3	<a href="#">17897</a>	-4.44288	-16.2506	0.00005	0.000323529	YES
Snph	<a href="#">241727</a>	-4.47675	-9.03306	0.00005	0.000323529	YES
Fam57b	<a href="#">68952</a>	-4.47771	-11.7565	0.00005	0.000323529	YES
Aim1l	<a href="#">230806</a>	-4.5693	-5.30132	0.00005	0.000323529	YES
Kcnf1	<a href="#">382571</a>	-4.57668	-9.74688	0.00005	0.000323529	YES
Myh1	<a href="#">17879</a>	-4.60263	-8.59252	0.00005	0.000323529	YES
Neto2	<a href="#">74513</a>	-4.65452	-10.3465	0.00005	0.000323529	YES
Gc	<a href="#">14473</a>	-4.69648	-3.72176	0.00275	0.0110605	YES
Tmem132b	<a href="#">208151</a>	-4.7584	-9.38314	0.00005	0.000323529	YES
Gm13187	<a href="#">100504349</a>	-4.77957	-1.25125	0.00295	0.0117537	YES
Slc7a11	<a href="#">26570</a>	-4.82318	-5.42816	0.00005	0.000323529	YES
Dnaic1	<a href="#">68922</a>	-4.8896	-3.67965	0.0044	0.0165857	YES
Fam19a3	<a href="#">329731</a>	-4.92599	-8.728	0.00005	0.000323529	YES
Nek5	<a href="#">330721</a>	-4.93349	-5.25881	0.00005	0.000323529	YES
Gm12784	<a href="#">102638744</a>	-4.96381	-1.16743	0.0004	0.00210083	YES
Gm13490	<a href="#">433426</a>	-5.08412	-4.28599	0.00005	0.000323529	YES
1700112H15Rik	<a href="#">73590</a>	-5.1015	-4.99041	0.0051	0.0188096	YES
Spns3	<a href="#">77577</a>	-5.18297	-10.6354	0.00005	0.000323529	YES
9430073C21Rik		-5.28298	-3.62549	0.00005	0.000323529	YES
3830431G21Rik	<a href="#">217682</a>	-5.34604	-6.3861	0.00005	0.000323529	YES
Alox12b	<a href="#">11686</a>	-5.39736	-4.39975	0.00435	0.0164445	YES
5330437I02Rik	<a href="#">319888</a>	-5.45813	-8.26879	0.00005	0.000323529	YES
2310065F04Rik	<a href="#">74184</a>	-5.48133	-8.05337	0.00005	0.000323529	YES
Mb	<a href="#">17189</a>	-5.71282	-14.0514	0.00005	0.000323529	YES
Gck	<a href="#">103988</a>	-5.91486	-5.97436	0.00005	0.000323529	YES
Nek10	<a href="#">674895</a>	-6.06658	-4.97761	0.0025	0.0101825	YES
Odf3l2	<a href="#">382384</a>	-6.08214	-9.84916	0.00005	0.000323529	YES
Cacna1e	<a href="#">12290</a>	-6.31713	-8.88779	0.00005	0.000323529	YES
Pde6a	<a href="#">225600</a>	-6.81598	-5.35945	0.0027	0.0108761	YES
Gm12766		-6.89184	-5.96	0.00005	0.000323529	YES
4930473D10Rik	<a href="#">78012</a>	-6.95189	-0.341113	0.0155	0.0476108	YES
Fscn2	<a href="#">238021</a>	-6.9887	-7.9303	0.00005	0.000323529	YES
Cacna2d4	<a href="#">319734</a>	-7.176	-7.26699	0.00005	0.000323529	YES
Otog	<a href="#">18419</a>	-8.0057	-6.13869	0.00995	0.0329363	YES
Hamp2	<a href="#">66438</a>	-8.99636	-10.6658	0.00475	0.0176888	YES
1700027J07Rik	<a href="#">69443</a>	-inf	-nan	0.00005	0.000323529	YES
4930572O13Rik	<a href="#">75862</a>	-inf	-nan	0.00005	0.000323529	YES
Aadac	<a href="#">67758</a>	-inf	-nan	0.00005	0.000323529	YES

**Supplemental Table 2: Ubiquitin-Proteasome System changes in AR113Q Muscle.**

Psmd6	0.4512441
Psme4	0.5099766
Psmb2	0.5536741
Psmd4	0.5699353
Psma7	0.5721586
Psmb7	0.598038
Psmd12	0.6282954
Psma3	0.6346891
Psma6	0.643129
Psmd2	0.6551209
Psma1	0.6563699
Psmd1	0.6593681
Psmb3	0.6654836
Psmb6	0.6725116
Psmc2	0.675976
Psmc6	0.6888702
Psmc3	0.7091354
Psmd7	0.7136779
Psma4	0.7149484
Psme1	0.7154808
Psmg4	0.7159199
Psmc3ip	0.7175792
Adrm1	0.723659
Psmc5	0.7314291
Psmb4	0.7400666
Psmb1	0.7546403
Psma5	0.7588533
Psmd14	0.7848076
Psmg1	0.801632
Psmd3	0.8070786
Psmd11	0.8131216
Psmc4	0.8230084
Psme3	0.8364673
Psma2	0.8388763
Psmb9	0.8399731
Psmc1	0.8557617
Psma8	0.8569554
Psmb8	0.8906336
Psmd8	0.9109773
Psmd13	0.9115281
Psmg2	0.9344267
Psme2	0.9462983
Psmd10	0.9539043
Psmb5	0.9573967
Psmd9	0.9813138
Psmd5	1.0012721
Psmb10	1.0237538

Psmf1	1.0333204
Psmg3	1.086661
Ube2t	0.3023078
Ube2g1	0.4337904
Ube2d3	0.4544678
Cdc34	0.5262105
Ube2b	0.5275325
Ube2e1	0.5385566
Ube2q2	0.5847886
Ube2f	0.5873157
Ube2k	0.655442