

Dataset 2. Transcripts upregulated and downregulated in the cortex of P301S;Ssh1^{-/-} vs P301S mice

Gene name	Gene description	Log2(FC)	p-value
Il17c	interleukin 17C [Source:MGI Symbol;Acc:MGI:2446486]	4.380214529	8.07214E-07
Gm2981	predicted gene 2981 [Source:MGI Symbol;Acc:MGI:37811]	1.705802848	4.25184E-06
Gm8730	predicted pseudogene 8730 [Source:MGI Symbol;Acc:MG	7.797759598	4.50983E-05
Gm9625	predicted gene 9625 [Source:MGI Symbol;Acc:MGI:37800]	4.979514666	8.19243E-05
Inhbe	inhibin beta-E [Source:MGI Symbol;Acc:MGI:109269]	2.531241389	0.000119941
Wbp1l	WW domain binding protein 1 like [Source:MGI Symbol;Ac	0.268421151	0.000303501
Gcn11l	GCN1 general control of amino-acid synthesis 1-like 1 (yea	0.719875618	0.000326609
Txinb	taxilin beta [Source:MGI Symbol;Acc:MGI:2671945]	1.193301462	0.000428317
Slc25a35	solute carrier family 25, member 35 [Source:MGI Symbol;A	0.510662706	0.000598716
AC123956.1	ribosomal protein, large, P0 (Rplp0) pseudogene	8.909981205	0.000637146
9030624G23Rik	RIKEN cDNA 9030624G23 gene [Source:MGI Symbol;Acc	1.016569984	0.000788116
Fam205a1	family with sequence similarity 205, member A1 [Source:M	1.460283325	0.000840637
Spn	sialophorin [Source:MGI Symbol;Acc:MGI:98384]	2.930546666	0.000916289
Gm47856	predicted gene, 47856 [Source:MGI Symbol;Acc:MGI:6097	2.797476343	0.000916535
Gm8210	predicted pseudogene 8210 [Source:MGI Symbol;Acc:MG	5.236977952	0.000935212
Tcf15	transcription factor-like 5 (basic helix-loop-helix) [Source:M	0.762585241	0.000972242
Gm26953	predicted gene, 26953 [Source:MGI Symbol;Acc:MGI:5504	3.201019191	0.001029042
Matn3	matrilin 3 [Source:MGI Symbol;Acc:MGI:1328350]	3.5652327	0.001084288
Gm15774	predicted gene 15774 [Source:MGI Symbol;Acc:MGI:3783	2.211151546	0.001137119
E030025P04Rik	RIKEN cDNA E030025P04 gene [Source:MGI Symbol;Acc	4.046881196	0.001251607
Gm38260	predicted gene, 38260 [Source:MGI Symbol;Acc:MGI:5611	4.046881196	0.001251607
Mir874	microRNA 874 [Source:MGI Symbol;Acc:MGI:3718564]	4.046881196	0.001251607
Gm6483	predicted gene 6483 [Source:MGI Symbol;Acc:MGI:36445	0.444157274	0.001266379
Dmrta2os	doublesex and mab-3 related transcription factor like famil	2.232494514	0.001314341
Frem2	Fras1 related extracellular matrix protein 2 [Source:MGI Sy	0.413717595	0.001365584
Gm40123	predicted gene, 40123 [Source:MGI Symbol;Acc:MGI:5623	2.221884087	0.001440342
Gm18805	predicted gene, 18805 [Source:MGI Symbol;Acc:MGI:5010	4.575202029	0.001576976
Gm44954	predicted gene 44954 [Source:MGI Symbol;Acc:MGI:5753	0.758014121	0.001725396
4933417O13Rik	RIKEN cDNA 4933417O13 gene [Source:MGI Symbol;Acc	1.517694061	0.001736838
Gm40548	predicted gene, 40548 [Source:MGI Symbol;Acc:MGI:5623	3.9552077	0.002042797
Pde11a	phosphodiesterase 11A [Source:MGI Symbol;Acc:MGI:303	0.906089304	0.002255583
Gm13410	predicted gene 13410 [Source:MGI Symbol;Acc:MGI:3650	4.627658973	0.002271713
Gm13123	predicted gene 13123 [Source:MGI Symbol;Acc:MGI:3651	5.915801887	0.002684209
Gm26843	predicted gene, 26843 [Source:MGI Symbol;Acc:MGI:5477	0.762109051	0.002710972
Rab30	RAB30, member RAS oncogene family [Source:MGI Symt	0.161378252	0.002734962
Gm4081	predicted gene 4081 [Source:MGI Symbol;Acc:MGI:37822	2.821044862	0.002754554
Gm7353	predicted pseudogene 7353 [Source:MGI Symbol;Acc:MG	0.778556767	0.002834472
Scn11a	sodium channel, voltage-gated, type XI, alpha [Source:MG	1.493292633	0.002886729
D130040H23Rik	RIKEN cDNA D130040H23 gene [Source:MGI Symbol;Acc	0.517549997	0.003004701
C1s1	complement component 1, s subcomponent 1 [Source:MG	2.259386473	0.003223735
Mybph	myosin binding protein H [Source:MGI Symbol;Acc:MGI:18	2.62677874	0.003247469
Gm17202	predicted gene 17202 [Source:MGI Symbol;Acc:MGI:4938	1.951604193	0.003375112
Abcc4	ATP-binding cassette, sub-family C (CFTR/MRP), member	0.594786576	0.003412594
Gm15454	predicted gene 15454 [Source:MGI Symbol;Acc:MGI:3644	4.046881196	0.003582566
Gm27168	predicted gene 27168 [Source:MGI Symbol;Acc:MGI:5521	4.046881196	0.003582566
Gm4782	predicted gene 4782 [Source:MGI Symbol;Acc:MGI:36460	4.046881196	0.003582566
Fgf23	fibroblast growth factor 23 [Source:MGI Symbol;Acc:MGI:1	1.629298145	0.003813172
Hbb-bt	hemoglobin, beta adult t chain [Source:MGI Symbol;Acc:M	2.410462008	0.003813553
Arrb1	arrestin, beta 1 [Source:MGI Symbol;Acc:MGI:99473]	0.338949456	0.003832421
Gm45885	predicted gene 45885 [Source:MGI Symbol;Acc:MGI:5805	1.248090314	0.003875514
Gm26582	predicted gene, 26582 [Source:MGI Symbol;Acc:MGI:5477	1.172574207	0.003914009

Man2a2	mannosidase 2, alpha 2 [Source:MGI Symbol;Acc:MGI:214	0.331104776	0.003959582
Dph1	diphthamide biosynthesis 1 [Source:MGI Symbol;Acc:MGI:	0.249773783	0.004067025
Adra1a	adrenergic receptor, alpha 1a [Source:MGI Symbol;Acc:MG	0.723290631	0.0043518
Rbm41	RNA binding motif protein 41 [Source:MGI Symbol;Acc:MC	0.648611589	0.004426074
Gm10010	predicted gene 10010 [Source:MGI Symbol;Acc:MGI:3641	1.052643771	0.00445061
Cd209b	CD209b antigen [Source:MGI Symbol;Acc:MGI:1916415]	1.331909087	0.004494362
2900060N12Rik	RIKEN cDNA 2900060N12 gene [Source:MGI Symbol;Acc:	0.616541784	0.004503127
Gm37267	predicted gene, 37267 [Source:MGI Symbol;Acc:MGI:5610	3.713547863	0.004570402
Gm5469	predicted gene 5469 [Source:MGI Symbol;Acc:MGI:36451	3.713547863	0.004570402
Acad9	acyl-Coenzyme A dehydrogenase family, member 9 [Sourc	0.112224567	0.004586683
Gm10548	predicted gene 10548 [Source:MGI Symbol;Acc:MGI:3641	0.488131671	0.004632791
Gm10073	predicted pseudogene 10073 [Source:MGI Symbol;Acc:MG	0.81581069	0.004712092
Grm3	glutamate receptor, metabotropic 3 [Source:MGI Symbol;A	0.531580921	0.004776303
1700030C10Rik	RIKEN cDNA 1700030C10 gene [Source:MGI Symbol;Acc:	5.436856196	0.004837698
Rubcnl	RUN and cysteine rich domain containing beclin 1 interacti	0.722248281	0.004864914
Gm32950	predicted gene, 32950 [Source:MGI Symbol;Acc:MGI:5592	2.323237301	0.004943932
Gm44169	predicted gene, 44169 [Source:MGI Symbol;Acc:MGI:5690	3.713547863	0.004980808
Olf523	olfactory receptor 523 [Source:MGI Symbol;Acc:MGI:3030	3.713547863	0.004980808
Gm44684	predicted gene 44684 [Source:MGI Symbol;Acc:MGI:5753	1.98473677	0.005019328
Usp24	ubiquitin specific peptidase 24 [Source:MGI Symbol;Acc:M	0.182154958	0.005024759
Fam111a	family with sequence similarity 111, member A [Source:MC	0.855422543	0.005030886
Dhx58os	DEAH (Asp-Glu-Ala-His) box polypeptide 58, opposite stra	4.419287575	0.005116318
Gm37285	predicted gene, 37285 [Source:MGI Symbol;Acc:MGI:5610	1.15982169	0.005128643
Gpr157	G protein-coupled receptor 157 [Source:MGI Symbol;Acc:G	0.333941296	0.005319876
Pcdhgb4	protocadherin gamma subfamily B, 4 [Source:MGI Symbol	0.28812355	0.005502686
Gm15983	predicted gene 15983 [Source:MGI Symbol;Acc:MGI:3805	1.022038863	0.00558034
Slfn3	schlafen 3 [Source:MGI Symbol;Acc:MGI:1329005]	0.950405444	0.005595238
AC165079.1	ribosomal protein L15 (Rpl15), pseudogene	2.128249801	0.005742327
Gm12592	predicted gene 12592 [Source:MGI Symbol;Acc:MGI:3649	0.708231185	0.005806881
Asb5	ankyrin repeat and SOCs box-containing 5 [Source:MGI S]	0.461608328	0.005858541
Smchd1	SMC hinge domain containing 1 [Source:MGI Symbol;Acc:	0.247016748	0.005895625
Dnajc1	DnaJ heat shock protein family (Hsp40) member C1 [Sour	0.356168329	0.005966977
Gm29340	predicted gene 29340 [Source:MGI Symbol;Acc:MGI:5580	0.861074815	0.006003787
Myom3	myomesin family, member 3 [Source:MGI Symbol;Acc:MG	0.531774476	0.006115294
AC091463.1	novel transcript	3.273239724	0.006287338
Stbd1	starch binding domain 1 [Source:MGI Symbol;Acc:MGI:126	2.490820142	0.006316178
Rapgef4	Rap guanine nucleotide exchange factor (GEF) 4 [Source:	0.45905007	0.006348931
Madcam1	mucosal vascular addressin cell adhesion molecule 1 [Sou	2.812369575	0.006353865
Macc1	metastasis associated in colon cancer 1 [Source:MGI Sym	2.63311564	0.006489439
Kif5a	kinesin family member 5A [Source:MGI Symbol;Acc:MGI:1	0.40928268	0.006504795
Epb4111	erythrocyte membrane protein band 4.1 like 1 [Source:MG	0.374844801	0.006510943
Clic5	chloride intracellular channel 5 [Source:MGI Symbol;Acc:M	0.394432179	0.006580328
Cyren	cell cycle regulator of NHEJ [Source:MGI Symbol;Acc:MGI	0.438726632	0.006852861
Dtx3l	deltex 3-like, E3 ubiquitin ligase [Source:MGI Symbol;Acc:l	0.707477317	0.006884509
Chtf8	CTF8, chromosome transmission fidelity factor 8 [Source:M	0.209996599	0.006887185
Nipbl	NIPBL cohesin loading factor [Source:MGI Symbol;Acc:MC	0.281913206	0.007051302
Ppp1r16b	protein phosphatase 1, regulatory subunit 16B [Source:MC	0.473340261	0.007306291
Gm9869	predicted gene 9869 [Source:MGI Symbol;Acc:MGI:36427	3.067902385	0.007315732
Dok6	docking protein 6 [Source:MGI Symbol;Acc:MGI:3639495]	1.030481052	0.007315773
Arhgap11a	Rho GTPase activating protein 11A [Source:MGI Symbol;A	0.725713644	0.007353575
Mslnl	mesothelin-like [Source:MGI Symbol;Acc:MGI:3607710]	0.946414563	0.007594623
Gm45188	predicted gene 45188 [Source:MGI Symbol;Acc:MGI:5753	0.838519593	0.007902691
Zfp704	zinc finger protein 704 [Source:MGI Symbol;Acc:MGI:2180	0.404210609	0.007934938
Ankyf1	ankyrin repeat and FYVE domain containing 1 [Source:MG	0.270264929	0.007942842

Gm15932	predicted gene 15932 [Source:MGI Symbol;Acc:MGI:3802	1.377427405	0.008025342
Fan1	FANCD2/FANCI-associated nuclease 1 [Source:MGI Syml	0.226557469	0.008053258
Zfp106	zinc finger protein 106 [Source:MGI Symbol;Acc:MGI:1270	0.206706499	0.008058381
Gm47250	predicted gene, 47250 [Source:MGI Symbol;Acc:MGI:6096	4.241868696	0.008157916
Lonrf3	LON peptidase N-terminal domain and ring finger 3 [Sourc	0.708472605	0.008185687
Zfp142	zinc finger protein 142 [Source:MGI Symbol;Acc:MGI:1924	0.350034425	0.008211007
Gm15631	predicted gene 15631 [Source:MGI Symbol;Acc:MGI:3783	0.432106408	0.008259854
Sptb	spectrin beta, erythrocytic [Source:MGI Symbol;Acc:MGI:9	0.499991744	0.008293645
C030018K13Rik	RIKEN cDNA C030018K13 gene [Source:MGI Symbol;Acc	1.292576119	0.008623874
Gm36908	predicted gene, 36908 [Source:MGI Symbol;Acc:MGI:5596	1.348972831	0.008630625
Gm14165	predicted gene 14165 [Source:MGI Symbol;Acc:MGI:3650	4.633097882	0.008670094
Plcg1	phospholipase C, gamma 1 [Source:MGI Symbol;Acc:MGI	0.151960789	0.008740583
Gm48992	predicted gene, 48992 [Source:MGI Symbol;Acc:MGI:6118	1.457188148	0.008838515
Glcci1	glucocorticoid induced transcript 1 [Source:MGI Symbol;Ac	0.552819726	0.008854945
St6galnac2	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N	2.297476343	0.009179419
Fam53b	family with sequence similarity 53, member B [Source:MGI	0.378077472	0.009201143
Gm9299	predicted gene 9299 [Source:MGI Symbol;Acc:MGI:36480	0.86022992	0.009222598
Rcor1	REST corepressor 1 [Source:MGI Symbol;Acc:MGI:10634	0.191622194	0.009334531
Arhgef12	Rho guanine nucleotide exchange factor (GEF) 12 [Source	0.547285433	0.009339881
E430018J23Rik	RIKEN cDNA E430018J23 gene [Source:MGI Symbol;Acc	0.214566567	0.009378664
Rdh1	retinol dehydrogenase 1 (all trans) [Source:MGI Symbol;Ac	2.654785708	0.00939605
Gm45640	predicted gene 45640 [Source:MGI Symbol;Acc:MGI:5791	1.29704077	0.009426904
Gm18774	predicted gene, 18774 [Source:MGI Symbol;Acc:MGI:5010	4.241868696	0.009481804
Gm47062	predicted gene, 47062 [Source:MGI Symbol;Acc:MGI:6095	1.260815348	0.009521946
Mre11a	MRE11A homolog A, double strand break repair nuclease	0.195527704	0.009566275
Anapc1	anaphase promoting complex subunit 1 [Source:MGI Syml	0.210806677	0.009668496
Git2	G protein-coupled receptor kinase-interactor 2 [Source:MG	0.342178016	0.00980888
Gm26740	predicted gene, 26740 [Source:MGI Symbol;Acc:MGI:5477	2.947798247	0.009975498
Gm34059	predicted gene, 34059 [Source:MGI Symbol;Acc:MGI:5593	4.241868696	0.009976928
Fxyd4	FXD domain-containing ion transport regulator 4 [Source	0.875798238	0.010298697
Gm28372	predicted gene 28372 [Source:MGI Symbol;Acc:MGI:5579	2.16524242	0.010483753
Foxs1	forkhead box S1 [Source:MGI Symbol;Acc:MGI:95546]	1.069284327	0.01050908
Myod1	myogenic differentiation 1 [Source:MGI Symbol;Acc:MGI:9	1.696600322	0.010566668
Gm18783	predicted gene, 18783 [Source:MGI Symbol;Acc:MGI:5010	2.93201623	0.010596389
Ddx6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6 [Source:MGI 9	0.190046069	0.010597207
Slc22a13	solute carrier family 22 (organic cation transporter), membe	3.234459242	0.010637113
Mink1	misshapen-like kinase 1 (zebrafish) [Source:MGI Symbol;A	0.25118086	0.010652039
Rpap1	RNA polymerase II associated protein 1 [Source:MGI Sym	0.222280699	0.010749322
Tex261	testis expressed gene 261 [Source:MGI Symbol;Acc:MGI:7	0.185458179	0.010886514
Gm13496	predicted gene 13496 [Source:MGI Symbol;Acc:MGI:3651	4.713547863	0.010890238
Ubqln4	ubiquilin 4 [Source:MGI Symbol;Acc:MGI:2150152]	0.279631357	0.010904474
9330102E08Rik	RIKEN cDNA 9330102E08 gene [Source:MGI Symbol;Acc	0.267913206	0.010979553
Gm39059	predicted gene, 39059 [Source:MGI Symbol;Acc:MGI:5621	2.608436848	0.01109248
Ccni	cyclin I [Source:MGI Symbol;Acc:MGI:1341077]	0.149607985	0.011303537
Ap3b1	adaptor-related protein complex 3, beta 1 subunit [Source:	0.166784667	0.011329268
Dtna	dystrobrevin alpha [Source:MGI Symbol;Acc:MGI:106039]	0.25485236	0.011375596
C5ar2	complement component 5a receptor 2 [Source:MGI Symbc	0.65147523	0.011380896
Itpr1	inositol 1,4,5-trisphosphate receptor 1 [Source:MGI Symbc	0.726343693	0.011474939
Kctd16	potassium channel tetramerisation domain containing 16 [S	0.770394132	0.011502116
Gm48623	predicted gene, 48623 [Source:MGI Symbol;Acc:MGI:6095	0.401785677	0.011567802
Pag1	phosphoprotein associated with glycosphingolipid microdo	0.267612297	0.011657104
Rab39	RAB39, member RAS oncogene family [Source:MGI Symt	0.757979457	0.01177623
Ppp1r18os	protein phosphatase 1, regulatory subunit 18, opposite str	1.589803879	0.011863298
Gng12	guanine nucleotide binding protein (G protein), gamma 12	0.360134757	0.011885077

Ccdc175	coiled-coil domain containing 175 [Source:MGI Symbol;Acc:MGI:3399656345]	3.399656345	0.011971814
A430093F15Rik	RIKEN cDNA A430093F15 gene [Source:MGI Symbol;Acc:MGI:3370099052]	3.370099052	0.011972885
Gnao1	guanine nucleotide binding protein, alpha O [Source:MGI Symbol;Acc:MGI:0187262112]	0.187262112	0.012038835
Tlr8	toll-like receptor 8 [Source:MGI Symbol;Acc:MGI:2176887]	4.436856196	0.01207163
Gm9958	predicted gene 9958 [Source:MGI Symbol;Acc:MGI:36418]	0.52373475	0.012111112
Abcg1	ATP binding cassette subfamily G member 1 [Source:MGI Symbol;Acc:MGI:0148770734]	0.148770734	0.012384044
1700007L15Rik	RIKEN cDNA 1700007L15 gene [Source:MGI Symbol;Acc:MGI:0810430443]	0.810430443	0.012437597
Pm20d2	peptidase M20 domain containing 2 [Source:MGI Symbol;Acc:MGI:0396459691]	0.396459691	0.012454222
Gm29292	predicted gene 29292 [Source:MGI Symbol;Acc:MGI:5579]	3.713547863	0.012602569
Gm45630	predicted gene 45630 [Source:MGI Symbol;Acc:MGI:5791]	3.713547863	0.012602569
Nox3	NADPH oxidase 3 [Source:MGI Symbol;Acc:MGI:2681162]	3.713547863	0.012602569
Gpm6b	glycoprotein m6b [Source:MGI Symbol;Acc:MGI:107672]	0.203220501	0.012715542
Rhoh	ras homolog family member H [Source:MGI Symbol;Acc:MGI:0861615198]	0.861615198	0.012760773
Efcc1	EF hand and coiled-coil domain containing 1 [Source:MGI Symbol;Acc:MGI:0287071973]	0.287071973	0.012885515
Gimap3	GTPase, IMAP family member 3 [Source:MGI Symbol;Acc:MGI:3.101494975]	3.101494975	0.012915513
Nr6a1	nuclear receptor subfamily 6, group A, member 1 [Source:MGI Symbol;Acc:MGI:0293640236]	0.293640236	0.012936818
4933415A04Rik	RIKEN cDNA 4933415A04 gene [Source:MGI Symbol;Acc:MGI:1.144230773]	1.144230773	0.012989902
Pdzd2	PDZ domain containing 2 [Source:MGI Symbol;Acc:MGI:1.0377548033]	0.377548033	0.013017817
Erc6l	excision repair cross-complementing rodent repair deficiency protein 6 like [Source:MGI Symbol;Acc:MGI:2.951996901]	2.951996901	0.013107106
Samd13	sterile alpha motif domain containing 13 [Source:MGI Symbol;Acc:MGI:1.086253889]	1.086253889	0.013125746
Gm13841	predicted gene 13841 [Source:MGI Symbol;Acc:MGI:3650]	2.934432348	0.013172178
Lrp1	low density lipoprotein receptor-related protein 1 [Source:MGI Symbol;Acc:MGI:0396809847]	0.396809847	0.013178946
Gm17705	predicted gene, 17705 [Source:MGI Symbol;Acc:MGI:4937]	1.256707235	0.013390778
Eif2ak4	eukaryotic translation initiation factor 2 alpha kinase 4 [Source:MGI Symbol;Acc:MGI:0233661043]	0.233661043	0.013566601
Gm14379	predicted gene 14379 [Source:MGI Symbol;Acc:MGI:3649]	0.586253889	0.013572909
Il1b	interleukin 1 beta [Source:MGI Symbol;Acc:MGI:96543]	2.190249105	0.013575977
Zfp462	zinc finger protein 462 [Source:MGI Symbol;Acc:MGI:1076]	0.202185981	0.013601029
Snord32a	small nucleolar RNA, C/D box 32A [Source:MGI Symbol;Acc:MGI:2.461419808]	2.461419808	0.013632512
Inpp5b	inositol polyphosphate-5-phosphatase B [Source:MGI Symbol;Acc:MGI:0211223021]	0.211223021	0.013929453
Clcn7	chloride channel, voltage-sensitive 7 [Source:MGI Symbol;Acc:MGI:0107337484]	0.107337484	0.013954149
Gm32184	predicted gene, 32184 [Source:MGI Symbol;Acc:MGI:5591]	2.338713567	0.014242097
Dopey1	dopey family member 1 [Source:MGI Symbol;Acc:MGI:128]	0.182663244	0.014392055
Gm26833	predicted gene, 26833 [Source:MGI Symbol;Acc:MGI:5477]	0.894269571	0.014445305
Pou6f1	POU domain, class 6, transcription factor 1 [Source:MGI Symbol;Acc:MGI:0429996861]	0.429996861	0.014598902
Zfp862-ps	zinc finger protein 862, pseudogene [Source:MGI Symbol;Acc:MGI:0355147432]	0.355147432	0.014947883
Gm1043	predicted 1043 [Source:NCBI gene;Acc:381634]	0.40074358	0.014989537
Sh3d21	SH3 domain containing 21 [Source:MGI Symbol;Acc:MGI:0414684298]	0.414684298	0.015120984
Dst	dystonin [Source:MGI Symbol;Acc:MGI:104627]	0.259064815	0.015208738
Pogk	pogo transposable element with KRAB domain [Source:MGI Symbol;Acc:MGI:0301284309]	0.301284309	0.015349385
Gm16316	predicted gene 16316 [Source:MGI Symbol;Acc:MGI:3826]	3.857328809	0.015366615
Limch1	LIM and calponin homology domains 1 [Source:MGI Symbol;Acc:MGI:0200989836]	0.200989836	0.015400096
Gm26526	predicted gene, 26526 [Source:MGI Symbol;Acc:MGI:5477]	0.914828935	0.015421119
Gm37593	predicted gene, 37593 [Source:MGI Symbol;Acc:MGI:5610]	3.076623965	0.015430912
Mprip	myosin phosphatase Rho interacting protein [Source:MGI Symbol;Acc:MGI:0287480275]	0.287480275	0.015452362
Cox18	cytochrome c oxidase assembly protein 18 [Source:MGI Symbol;Acc:MGI:0436035049]	0.436035049	0.015639793
Atp6v0a2	ATPase, H+ transporting, lysosomal V0 subunit A2 [Source:MGI Symbol;Acc:MGI:0222248279]	0.222248279	0.015753058
Cd163	CD163 antigen [Source:MGI Symbol;Acc:MGI:2135946]	0.397137452	0.015769097
B230119M05Rik	RIKEN cDNA B230119M05 gene [Source:MGI Symbol;Acc:MGI:2.892785747]	2.892785747	0.015780452
Olfir560	olfactory receptor 560 [Source:MGI Symbol;Acc:MGI:3030]	2.87700373	0.01593329
4930467D21Rik	RIKEN cDNA 4930467D21 gene [Source:MGI Symbol;Acc:MGI:2.370976022]	2.370976022	0.015943559
Arap3	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain [Source:MGI Symbol;Acc:MGI:0766277235]	0.766277235	0.016000663
Gm12930	predicted gene 12930 [Source:MGI Symbol;Acc:MGI:3650]	1.248920635	0.01602072
Foxf2	forkhead box F2 [Source:MGI Symbol;Acc:MGI:1347479]	0.322660728	0.016067286
Dag1	dystroglycan 1 [Source:MGI Symbol;Acc:MGI:101864]	0.30872658	0.016091059

D7Bwg0826e	DNA segment, Chr 7, Brigham & Women's Genetics 0826	1.528525755	0.016109404
Man1c1	mannosidase, alpha, class 1C, member 1 [Source:MGI Sy	0.329146431	0.016133981
Gm37266	predicted gene, 37266 [Source:MGI Symbol;Acc:MGI:5610	2.025359205	0.01620922
Utrn	utrophin [Source:MGI Symbol;Acc:MGI:104631]	0.363641627	0.016216248
Gm46210	predicted gene, 46210 [Source:MGI Symbol;Acc:MGI:5825	0.860871073	0.016273581
Mpl	myeloproliferative leukemia virus oncogene [Source:MGI S	1.351772123	0.016279248
Gm44156	predicted gene, 44156 [Source:MGI Symbol;Acc:MGI:5690	3.234459242	0.016322534
Ammecr1l	AMME chromosomal region gene 1-like [Source:MGI Syml	0.161441715	0.016409226
Col6a6	collagen, type VI, alpha 6 [Source:MGI Symbol;Acc:MGI:24	0.892730498	0.01660056
Cd300ld	CD300 molecule like family member d [Source:MGI Symbc	4.241868696	0.016645491
Gm28995	predicted gene 28995 [Source:MGI Symbol;Acc:MGI:5579	4.241868696	0.016645491
Fth-ps2	ferritin heavy chain, pseudogene 2 [Source:MGI Symbol;A	3.234459242	0.016660419
Gm26509	predicted gene, 26509 [Source:MGI Symbol;Acc:MGI:5477	0.758391368	0.016733991
Cd27	CD27 antigen [Source:MGI Symbol;Acc:MGI:88326]	1.644816379	0.01680066
Serpina3n	serine (or cysteine) peptidase inhibitor, clade A, member 3	1.739067103	0.016805369
Al464131	expressed sequence Al464131 [Source:MGI Symbol;Acc:M	0.193507144	0.016846024
AC133517.1	cyclin-dependent kinase 6 (Cdk6) pseudogene	3.231899366	0.016926771
Gm42648	predicted gene 42648 [Source:MGI Symbol;Acc:MGI:5662	3.231899366	0.016926771
Gm7368	predicted gene 7368 [Source:MGI Symbol;Acc:MGI:36434	3.231899366	0.016926771
Phc3	polyhomeotic 3 [Source:MGI Symbol;Acc:MGI:2181434]	0.245955286	0.016927761
Mafb	v-maf musculoaponeurotic fibrosarcoma oncogene family,	0.758882717	0.017119456
F830208F22Rik	RIKEN cDNA F830208F22 gene [Source:MGI Symbol;Acc	1.101885198	0.017175233
Ttc38	tetratricopeptide repeat domain 38 [Source:MGI Symbol;A	0.234938209	0.017364581
Fstl4	follistatin-like 4 [Source:MGI Symbol;Acc:MGI:2443199]	0.504105019	0.017383749
Gpc6	glypican 6 [Source:MGI Symbol;Acc:MGI:1346322]	0.525165798	0.01748053
Gid4	GID complex subunit 4, VID24 homolog [Source:MGI Sym	0.27783129	0.017583743
Ptar1	protein prenyltransferase alpha subunit repeat containing 1	0.772061991	0.017775253
4930593A02Rik	RIKEN cDNA 4930593A02 gene [Source:MGI Symbol;Acc	2.107959656	0.017824757
Ptk7	PTK7 protein tyrosine kinase 7 [Source:MGI Symbol;Acc:M	0.211894515	0.017972702
Gm37478	predicted gene, 37478 [Source:MGI Symbol;Acc:MGI:5610	2.472836861	0.017974417
Exd1	exonuclease 3'-5' domain containing 1 [Source:MGI Symbc	0.372389533	0.018106957
Ralgapa2	Ral GTPase activating protein, alpha subunit 2 (catalytic) [0.233909061	0.018225764
Rims1	regulating synaptic membrane exocytosis 1 [Source:MGI S	0.603347341	0.01830395
Mmp21	matrix metalloproteinase 21 [Source:MGI Symbol;Acc:MGI:	2.211583134	0.01833832
Plcb2	phospholipase C, beta 2 [Source:MGI Symbol;Acc:MGI:10	0.833965354	0.018376911
Nf2	neurofibromin 2 [Source:MGI Symbol;Acc:MGI:97307]	0.203168685	0.01838229
Gm7435	predicted gene 7435 [Source:MGI Symbol;Acc:MGI:36464	1.593157137	0.018403021
Itga9	integrin alpha 9 [Source:MGI Symbol;Acc:MGI:104756]	0.440441771	0.018515479
Gm49300	predicted gene, 49300 [Source:MGI Symbol;Acc:MGI:6118	0.869095493	0.018675308
Gm9887	predicted gene 9887 [Source:MGI Symbol;Acc:MGI:36425	1.8375046	0.018715844
Gm12216	predicted gene 12216 [Source:MGI Symbol;Acc:MGI:3650	0.860168863	0.018743144
Dnmbp	dynamamin binding protein [Source:MGI Symbol;Acc:MGI:19	0.197853327	0.018852517
Cmya5	cardiomyopathy associated 5 [Source:MGI Symbol;Acc:MC	0.534408878	0.018989573
Gm26610	predicted gene, 26610 [Source:MGI Symbol;Acc:MGI:5477	1.260815348	0.019002044
Gm47391	predicted gene, 47391 [Source:MGI Symbol;Acc:MGI:6096	1.91524242	0.019008199
Pbld1	phenazine biosynthesis-like protein domain containing 1 [S	3.195537594	0.019059385
Gm26894	predicted gene, 26894 [Source:MGI Symbol;Acc:MGI:5477	1.061150583	0.019093785
F630040K05Rik	RIKEN cDNA F630040K05 gene [Source:MGI Symbol;Acc	1.155654939	0.019367766
Pml	promyelocytic leukemia [Source:MGI Symbol;Acc:MGI:104	0.315479135	0.019461276
Fbn2	fibrillin 2 [Source:MGI Symbol;Acc:MGI:95490]	0.312636635	0.019508789
Jrk	jerky [Source:MGI Symbol;Acc:MGI:106214]	0.383302271	0.019521819
1110002J07Rik	RIKEN cDNA 1110002J07 gene [Source:MGI Symbol;Acc:	0.775394055	0.019523853
Gm43190	predicted gene 43190 [Source:MGI Symbol;Acc:MGI:5663	3.026564964	0.019542951
Zfp109	zinc finger protein 109 [Source:MGI Symbol;Acc:MGI:1929	0.612691386	0.019571335

Gm47817	predicted gene, 47817 [Source:MGI Symbol;Acc:MGI:6097	3.882784017	0.01967721
Lrrc3	leucine rich repeat containing 3 [Source:MGI Symbol;Acc:M	0.214528143	0.019762343
Bcl2	B cell leukemia/lymphoma 2 [Source:MGI Symbol;Acc:MG	0.189146444	0.019778892
Gm26580	predicted gene, 26580 [Source:MGI Symbol;Acc:MGI:5477	0.806867552	0.019875767
Pdk4	pyruvate dehydrogenase kinase, isoenzyme 4 [Source:MG	0.49832375	0.019939498
D17Wsu92e	DNA segment, Chr 17, Wayne State University 92, expres	0.35598055	0.020332062
Tacc1	transforming, acidic coiled-coil containing protein 1 [Source	0.407046082	0.020532966
8430432A02Rik	RIKEN cDNA 8430432A02 gene [Source:MGI Symbol;Acc	0.847042155	0.020590115
Mettl4	methyltransferase like 4 [Source:MGI Symbol;Acc:MGI:192	0.606374322	0.020726733
9930104L06Rik	RIKEN cDNA 9930104L06 gene [Source:MGI Symbol;Acc	0.066714129	0.020765478
Ighm	immunoglobulin heavy constant mu [Source:MGI Symbol;A	0.696865864	0.020769143
Kat6a	K(lysine) acetyltransferase 6A [Source:MGI Symbol;Acc:M	0.456999176	0.020865199
Tarm1	T cell-interacting, activating receptor on myeloid cells 1 [Sc	2.904001147	0.020975121
Tsc1	tuberous sclerosis 1 [Source:MGI Symbol;Acc:MGI:192918	0.176562656	0.020994339
Gm35558	predicted gene, 35558 [Source:MGI Symbol;Acc:MGI:5594	0.434953553	0.02107319
Tmco5b	transmembrane and coiled-coil domains 5B [Source:MGI S	2.904001147	0.021308103
Gm17421	predicted gene, 17421 [Source:MGI Symbol;Acc:MGI:4937	3.426886867	0.021403444
Adgrl4	adhesion G protein-coupled receptor L4 [Source:MGI Sym	0.508657524	0.021480045
Mndal	myeloid nuclear differentiation antigen like [Source:MGI Sy	0.687326009	0.02174883
Asb7	ankyrin repeat and SOCS box-containing 7 [Source:MGI S	0.303429331	0.021782449
Gm29514	predicted gene 29514 [Source:MGI Symbol;Acc:MGI:5580	0.456070375	0.021828171
Clec11a	C-type lectin domain family 11, member a [Source:MGI Sy	0.356664952	0.02186407
Sp110	Sp110 nuclear body protein [Source:MGI Symbol;Acc:MGI	1.489840114	0.021896851
Kcnq2	potassium voltage-gated channel, subfamily Q, member 2	0.327041305	0.022092777
Gm48050	predicted gene, 48050 [Source:MGI Symbol;Acc:MGI:6097	3.41110485	0.022144975
Sox6	SRY (sex determining region Y)-box 6 [Source:MGI Symbc	0.430655354	0.022165668
4931406P16Rik	RIKEN cDNA 4931406P16 gene [Source:MGI Symbol;Acc	0.309827966	0.022218144
Zzef1	zinc finger, ZZ-type with EF hand domain 1 [Source:MGI S	0.256029695	0.022238765
Map2	microtubule-associated protein 2 [Source:MGI Symbol;Acc	0.354785322	0.022251564
Atp9b	ATPase, class II, type 9B [Source:MGI Symbol;Acc:MGI:11	0.107851115	0.022253626
Mapkap1	mitogen-activated protein kinase associated protein 1 [Sou	0.066941316	0.022325407
Mrs2	MRS2 magnesium transporter [Source:MGI Symbol;Acc:M	0.088503666	0.022378741
Brca1	breast cancer 1, early onset [Source:MGI Symbol;Acc:MGI	0.463841334	0.022401358
Gm29718	predicted gene, 29718 [Source:MGI Symbol;Acc:MGI:5588	3.191778296	0.022422904
Sbk2	SH3-binding domain kinase family, member 2 [Source:MG	1.336305906	0.022445226
Mcm5	minichromosome maintenance complex component 5 [Sou	0.426252223	0.022517513
Igsf9b	immunoglobulin superfamily, member 9B [Source:MGI Syr	0.529252161	0.022594679
Hgfac	hepatocyte growth factor activator [Source:MGI Symbol;Ac	1.276896587	0.022594911
Dpp8	dipeptidylpeptidase 8 [Source:MGI Symbol;Acc:MGI:19216	0.405173009	0.022722856
Actl10	actin-like 10 [Source:MGI Symbol;Acc:MGI:1917612]	0.74408134	0.022809905
A530065N20Rik	RIKEN cDNA A530046M15 gene [Source:MGI Symbol;Acc	3.440662143	0.022846707
Sipa111	signal-induced proliferation-associated 1 like 1 [Source:MC	0.594933472	0.022867999
Pxdn	peroxidasin [Source:MGI Symbol;Acc:MGI:1916925]	0.282387324	0.022974043
Gm48673	predicted gene, 48673 [Source:MGI Symbol;Acc:MGI:6098	3.426886867	0.023227306
Reep6	receptor accessory protein 6 [Source:MGI Symbol;Acc:MG	0.120070667	0.023313132
Tjp1	tight junction protein 1 [Source:MGI Symbol;Acc:MGI:9875	0.377028929	0.02339366
Olf288	olfactory receptor 288 [Source:MGI Symbol;Acc:MGI:3030	3.624434243	0.023428289
Tbc1d9b	TBC1 domain family, member 9B [Source:MGI Symbol;Ac	0.325655567	0.023649773
Cep85l	centrosomal protein 85-like [Source:MGI Symbol;Acc:MGI:	0.267158904	0.023657183
Huwe1	HECT, UBA and WWE domain containing 1 [Source:MGI S	0.275165132	0.023694656
Dlg2	discs large MAGUK scaffold protein 2 [Source:MGI Symbo	0.336187462	0.02374634
C230034O21Rik	RIKEN cDNA C230034O21 gene [Source:MGI Symbol;Acc	0.637048262	0.023778917
Gm27202	predicted gene 27202 [Source:MGI Symbol;Acc:MGI:5521	0.510240953	0.023901766
Cdk12	cyclin-dependent kinase 12 [Source:MGI Symbol;Acc:MGI	0.176925203	0.024131623

P1b1	phospholipase B1 [Source:MGI Symbol;Acc:MGI:1922406]	1.195176373	0.024250964
Farp1	FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1	0.286998967	0.02436774
Kcns2	K+ voltage-gated channel, subfamily S, 2 [Source:MGI Sy	0.257901076	0.024414537
2010001K21Rik	RIKEN cDNA 2010001K21 gene [Source:MGI Symbol;Acc	1.333331206	0.024563841
Cysrt1	cysteine rich tail 1 [Source:MGI Symbol;Acc:MGI:1915109]	3.7602202	0.024582484
D430042O09Rik	RIKEN cDNA D430042O09 gene [Source:MGI Symbol;Acc	0.196383992	0.024584116
Sorbs1	sorbin and SH3 domain containing 1 [Source:MGI Symbol;	0.457914572	0.02466018
Ift122	intraflagellar transport 122 [Source:MGI Symbol;Acc:MGI:1	0.18572277	0.024684307
Lrrc75aos2	leucine rich repeat containing 75A, opposite strand 2 [Sour	4.380214529	0.024809917
Gm13713	predicted gene 13713 [Source:MGI Symbol;Acc:MGI:3650	0.537154482	0.024861985
Ackr4	atypical chemokine receptor 4 [Source:MGI Symbol;Acc:M	2.152711171	0.024900142
Gm31834	predicted gene, 31834 [Source:MGI Symbol;Acc:MGI:5590	1.229080199	0.024939022
Heatr1	HEAT repeat containing 1 [Source:MGI Symbol;Acc:MGI:2	0.14203687	0.025079356
Traf3	TNF receptor-associated factor 3 [Source:MGI Symbol;Acc	0.246007749	0.025085935
A830009L08Rik	RIKEN cDNA A830009L08 gene [Source:MGI Symbol;Acc	1.003854035	0.02509129
Ube3b	ubiquitin protein ligase E3B [Source:MGI Symbol;Acc:MGI:	0.32388433	0.025102698
B230208B08Rik	RIKEN cDNA B230208B08 gene [Source:MGI Symbol;Acc	0.667504237	0.025145514
Hipk4	homeodomain interacting protein kinase 4 [Source:MGI Sy	0.458996128	0.025156481
Gabpa	GA repeat binding protein, alpha [Source:MGI Symbol;Acc	0.163910431	0.025205397
Flt1	FMS-like tyrosine kinase 1 [Source:MGI Symbol;Acc:MGI:9	0.512873977	0.025239051
4930533K18Rik	RIKEN cDNA 4930533K18 gene [Source:MGI Symbol;Acc	3.935080882	0.025280383
Pkn2	protein kinase N2 [Source:MGI Symbol;Acc:MGI:109211]	0.215575077	0.025312488
Zfp365	zinc finger protein 365 [Source:MGI Symbol;Acc:MGI:2143	0.508465331	0.025322892
Gm13405	predicted gene 13405 [Source:MGI Symbol;Acc:MGI:3649	2.430692813	0.025401051
Gm14125	predicted gene 14125 [Source:MGI Symbol;Acc:MGI:3650	2.016439875	0.025449669
Gm42503	predicted gene 42503 [Source:MGI Symbol;Acc:MGI:5662	2.727664374	0.025483615
Map3k9	mitogen-activated protein kinase kinase kinase 9 [Source:J	0.726772672	0.025558397
Fbxl18	F-box and leucine-rich repeat protein 18 [Source:MGI Sym	0.445184133	0.025893602
Gm6209	predicted gene 6209 [Source:MGI Symbol;Acc:MGI:36433	1.5873799	0.025955074
Gm49097	predicted gene, 49097 [Source:MGI Symbol;Acc:MGI:6118	1.561483045	0.025986927
Mcm3	minichromosome maintenance complex component 3 [Sou	0.655364993	0.026005288
Mtcl1	microtubule crosslinking factor 1 [Source:MGI Symbol;Acc	0.33927584	0.026057112
Parp4	poly (ADP-ribose) polymerase family, member 4 [Source:M	0.580053286	0.026120095
Egfr	epidermal growth factor receptor [Source:MGI Symbol;Acc	0.482754932	0.026271541
Lpcat1	lysophosphatidylcholine acyltransferase 1 [Source:MGI Sy	0.253647468	0.026281584
Ncapg2	non-SMC condensin II complex, subunit G2 [Source:MGI S	0.376856443	0.026336358
Ncs1	neuronal calcium sensor 1 [Source:MGI Symbol;Acc:MGI:1	0.184391234	0.026347223
Asxl2	additional sex combs like 2, transcriptional regulator [Sour	0.196514524	0.02640057
Gm14291	predicted gene 14291 [Source:MGI Symbol;Acc:MGI:3649	1.043858921	0.026525758
Vwa8	von Willebrand factor A domain containing 8 [Source:MGI	0.149909155	0.026669876
Gm14698	predicted gene 14698 [Source:MGI Symbol;Acc:MGI:3709	2.556340182	0.02677186
Bicra	BRD4 interacting chromatin remodeling complex associate	0.230154741	0.026785794
Crtc1	CREB regulated transcription coactivator 1 [Source:MGI S	0.367553397	0.026848936
Cer1	cerberus 1, DAN family BMP antagonist [Source:MGI Sym	2.419477413	0.026861214
Lrrc8e	leucine rich repeat containing 8 family, member E [Source:	2.419477413	0.026861214
Zpld1	zona pellucida like domain containing 1 [Source:MGI Symt	3.04234698	0.026896919
Ckap2l	cytoskeleton associated protein 2-like [Source:MGI Symbo	0.771097157	0.026943801
Itgb3	integrin beta 3 [Source:MGI Symbol;Acc:MGI:96612]	0.618316344	0.026981058
Zfp808	zinc finger protein 808 [Source:MGI Symbol;Acc:MGI:3704	1.127733279	0.027023911
Ptpn11	protein tyrosine phosphatase, non-receptor type 11 [Sour	0.165880271	0.027083656
Gm45533	predicted gene 45533 [Source:MGI Symbol;Acc:MGI:5791	0.851578033	0.027087476
Gm13420	predicted gene 13420 [Source:MGI Symbol;Acc:MGI:3649	1.25590754	0.027100385
Hpse	heparanase [Source:MGI Symbol;Acc:MGI:1343124]	0.922041836	0.027101185
Ep400	E1A binding protein p400 [Source:MGI Symbol;Acc:MGI:1:	0.219096983	0.027186375

Pabpc5	poly(A) binding protein, cytoplasmic 5 [Source:MGI Symbol]	0.940268077	0.027261487
Pmepa1	prostate transmembrane protein, androgen induced 1 [Source:MGI Symbol]	0.257671857	0.027268467
Gm10602	predicted gene 10602 [Source:MGI Symbol;Acc:MGI:3708]	0.899797717	0.027313932
Crybg3	beta-gamma crystallin domain containing 3 [Source:MGI Symbol]	0.540602467	0.027373764
Trbj2-3	T cell receptor beta joining 2-3 [Source:MGI Symbol;Acc:MGI:3309452413]	3.309452413	0.027546196
5031415H12Rik	RIKEN cDNA 5031415H12 gene [Source:MGI Symbol;Acc:MGI:3795905085]	3.795905085	0.027807246
Mfap3l	microfibrillar-associated protein 3-like [Source:MGI Symbol]	0.381122503	0.02785384
Pqlc2	PQ loop repeat containing 2 [Source:MGI Symbol;Acc:MGI:30268653252]	0.268653252	0.0279873
Gm13387	predicted gene 13387 [Source:MGI Symbol;Acc:MGI:3651]	1.514218688	0.028006013
Arid4b	AT rich interactive domain 4B (RBP1-like) [Source:MGI Symbol]	0.171718603	0.02810778
Zc3h7b	zinc finger CCCH type containing 7B [Source:MGI Symbol]	0.317936945	0.028109173
Gm45641	predicted gene 45641 [Source:MGI Symbol;Acc:MGI:5791]	1.617426032	0.028133377
D430019H16Rik	RIKEN cDNA D430019H16 gene [Source:MGI Symbol;Acc:MGI:30221860977]	0.221860977	0.02824596
2610507B11Rik	RIKEN cDNA 2610507B11 gene [Source:MGI Symbol;Acc:MGI:30167259878]	0.167259878	0.02830158
Arnt2	aryl hydrocarbon receptor nuclear translocator 2 [Source:MGI Symbol]	0.326612097	0.028307447
Cacna1i	calcium channel, voltage-dependent, alpha 1I subunit [Source:MGI Symbol]	0.452922158	0.02835693
Farp2	FERM, RhoGEF and pleckstrin domain protein 2 [Source:MGI Symbol]	0.073933761	0.02838121
Uprt	uracil phosphoribosyltransferase [Source:MGI Symbol;Acc:MGI:3070513808]	0.70513808	0.028558348
Gm47303	predicted gene, 47303 [Source:MGI Symbol;Acc:MGI:6096]	3.070362063	0.028683804
Pcdhgb2	protocadherin gamma subfamily B, 2 [Source:MGI Symbol]	0.435931211	0.028713065
Gm23726	predicted gene, 23726 [Source:MGI Symbol;Acc:MGI:5453]	3.469000703	0.028730675
Ptprd	protein tyrosine phosphatase, receptor type, D [Source:MGI Symbol]	0.200831537	0.028840982
Rrm2	ribonucleotide reductase M2 [Source:MGI Symbol;Acc:MGI:30822595335]	0.822595335	0.028893901
Spata46	spermatogenesis associated 46 [Source:MGI Symbol;Acc:MGI:32307291958]	2.307291958	0.028899955
Rfc5	replication factor C (activator 1) 5 [Source:MGI Symbol;Acc:MGI:30346308094]	0.346308094	0.029126072
Atad2	ATPase family, AAA domain containing 2 [Source:MGI Symbol]	0.547687885	0.029180486
Pdzrn3	PDZ domain containing RING finger 3 [Source:MGI Symbol]	0.333545701	0.029180578
Gm20646	predicted gene 20646 [Source:MGI Symbol;Acc:MGI:5313]	0.552166477	0.029210707
Gm10069	predicted gene 10069 [Source:MGI Symbol;Acc:MGI:3641]	0.924447468	0.029276169
Gm8274	predicted gene 8274 [Source:MGI Symbol;Acc:MGI:36480]	2.871607151	0.029294396
Bicd2	BICD cargo adaptor 2 [Source:MGI Symbol;Acc:MGI:1924]	0.270172896	0.029381921
Eps8l1	EPS8-like 1 [Source:MGI Symbol;Acc:MGI:1914675]	1.117292683	0.029431965
Gm13133	predicted gene 13133 [Source:MGI Symbol;Acc:MGI:3650]	3.471774278	0.029531264
Gm13596	predicted gene 13596 [Source:MGI Symbol;Acc:MGI:3651]	3.901125909	0.029757919
Ifi44	interferon-induced protein 44 [Source:MGI Symbol;Acc:MGI:32217432404]	2.217432404	0.029804821
Lrrk2	leucine-rich repeat kinase 2 [Source:MGI Symbol;Acc:MGI:30441938106]	0.441938106	0.029819602
Tbxa2r	thromboxane A2 receptor [Source:MGI Symbol;Acc:MGI:9]	0.920110256	0.02987242
Gm26407	predicted gene, 26407 [Source:MGI Symbol;Acc:MGI:5456]	2.197430832	0.029928537
Gm15696	predicted gene 15696 [Source:MGI Symbol;Acc:MGI:3783]	2.288658958	0.029935183
Sptbn2	spectrin beta, non-erythrocytic 2 [Source:MGI Symbol;Acc:MGI:30657114804]	0.657114804	0.029947717
Gm41231	predicted gene, 41231 [Source:MGI Symbol;Acc:MGI:5624]	2.43179124	0.029952201
4930448A20Rik	RIKEN cDNA 4930448A20 gene [Source:MGI Symbol;Acc:MGI:2579007976]	2.579007976	0.029975758
Gm44242	predicted gene, 44242 [Source:MGI Symbol;Acc:MGI:5690]	2.579007976	0.029975758
Gm26533	predicted gene, 26533 [Source:MGI Symbol;Acc:MGI:5477]	1.612286418	0.030001953
Gm11733	predicted gene 11733 [Source:MGI Symbol;Acc:MGI:3650]	0.761138269	0.030221727
Gm19936	predicted gene, 19936 [Source:MGI Symbol;Acc:MGI:5012]	2.912341309	0.030237759
Gm20540	predicted gene 20540 [Source:MGI Symbol;Acc:MGI:5142]	2.912341309	0.030237759
Gm33819	predicted gene, 33819 [Source:MGI Symbol;Acc:MGI:5592]	2.912341309	0.030237759
Serpina3i	serine (or cysteine) peptidase inhibitor, clade A, member 3 [Source:MGI Symbol]	2.912341309	0.030237759
Cd6	CD6 antigen [Source:MGI Symbol;Acc:MGI:103566]	1.428601275	0.030266849
Nufip2	nuclear fragile X mental retardation protein interacting protein 2 [Source:MGI Symbol]	0.24243623	0.030277649
Acacb	acetyl-Coenzyme A carboxylase beta [Source:MGI Symbol]	0.862544163	0.030308726
4930572G02Rik	RIKEN cDNA 4930572G02 gene [Source:MGI Symbol;Acc:MGI:2001612821]	2.001612821	0.03058624
Dcc	deleted in colorectal carcinoma [Source:MGI Symbol;Acc:MGI:30503636841]	0.503636841	0.030590785

Marf1	meiosis regulator and mRNA stability 1 [Source:MGI Symb	0.215220697	0.030721012
Gm20696	predicted gene 20696 [Source:MGI Symbol;Acc:MGI:5313	3.908535363	0.030726172
Tex13c2	TEX13 family member C2 [Source:MGI Symbol;Acc:MGI:5	3.908535363	0.030726172
B3gnt7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransf	0.816255178	0.030751395
Lamc1	laminin, gamma 1 [Source:MGI Symbol;Acc:MGI:99914]	0.290031213	0.030779796
4930507D05Rik	RIKEN cDNA 4930507D05 gene [Source:MGI Symbol;Acc	0.922894039	0.030925615
AC087898.4	DnaJ heat shock protein family (Hsp40) member C19 (Dna	1.541109021	0.030947369
Gm6980	predicted gene 6980 [Source:MGI Symbol;Acc:MGI:37796	1.658513956	0.030969233
Arntl	aryl hydrocarbon receptor nuclear translocator-like [Source	0.284527421	0.031209924
Gm44196	predicted gene, 44196 [Source:MGI Symbol;Acc:MGI:5690	2.912341309	0.031251413
Gm44317	predicted gene, 44317 [Source:MGI Symbol;Acc:MGI:5690	2.912341309	0.031251413
Rps19-ps7	ribosomal protein S19, pseudogene 7 [Source:MGI Symbo	2.912341309	0.031251413
Ddx31	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 31 [Sourc	0.228284395	0.031288697
Milt1	myeloid/lymphoid or mixed-lineage leukemia; translocated	0.268336537	0.031631748
Slc1a2	solute carrier family 1 (glial high affinity glutamate transpor	0.66092107	0.031834289
Gng10	guanine nucleotide binding protein (G protein), gamma 10	0.417622972	0.031942846
Endov	endonuclease V [Source:MGI Symbol;Acc:MGI:2444688]	0.211304629	0.031958447
Gm3943	predicted gene 3943 [Source:MGI Symbol;Acc:MGI:37821	3.908535363	0.031969206
C130026121Rik	RIKEN cDNA C130026121 gene [Source:MGI Symbol;Acc:	3.394869896	0.032002875
Dock8	dedicator of cytokinesis 8 [Source:MGI Symbol;Acc:MGI:11	0.747910559	0.032030369
Gm6685	predicted pseudogene 6685 [Source:MGI Symbol;Acc:MG	0.984904694	0.032092291
Gm16230	predicted gene 16230 [Source:MGI Symbol;Acc:MGI:3802	2.229925027	0.032106536
Ubn1	ubinnuclein 1 [Source:MGI Symbol;Acc:MGI:1891307]	0.269186209	0.032189984
1700109K24Rik	RIKEN cDNA 1700109K24 gene [Source:MGI Symbol;Acc	0.755956569	0.032452522
4930412L05Rik	RIKEN cDNA 4930412L05 gene [Source:MGI Symbol;Acc	1.080038347	0.032597656
Cyp2r1	cytochrome P450, family 2, subfamily r, polypeptide 1 [Sou	0.685291214	0.032599063
Vhl	von Hippel-Lindau tumor suppressor [Source:MGI Symbol;	0.161056336	0.032726818
Cxcl11	chemokine (C-X-C motif) ligand 11 [Source:MGI Symbol;A	4.97483893	0.032758772
Cic	capicua transcriptional repressor [Source:MGI Symbol;Acc	0.400486187	0.032764254
Gm10097	predicted gene 10097 [Source:MGI Symbol;Acc:MGI:3642	3.440662143	0.032878556
Pds5a	PDS5 cohesin associated factor A [Source:MGI Symbol;Ac	0.287641932	0.032921517
Hipk2	homeodomain interacting protein kinase 2 [Source:MGI Sy	0.690790898	0.03294023
Zfp973	zinc finger protein 973 [Source:MGI Symbol;Acc:MGI:3615	1.387057262	0.033030473
Gdf7	growth differentiation factor 7 [Source:MGI Symbol;Acc:MC	0.765872456	0.033061636
Henmt1	HEN1 methyltransferase homolog 1 (Arabidopsis) [Source	0.558065473	0.03312712
Wnk1	WNK lysine deficient protein kinase 1 [Source:MGI Symbo	0.311326211	0.033128223
Usp1	ubiquitin specific peptidase 1 [Source:MGI Symbol;Acc:MC	0.151635665	0.033198306
Mertk	c-mer proto-oncogene tyrosine kinase [Source:MGI Symbc	0.555634123	0.033401239
Pcdhgb6	protocadherin gamma subfamily B, 6 [Source:MGI Symbol	0.340829494	0.033434477
Cklf	chemokine-like factor [Source:MGI Symbol;Acc:MGI:1922	0.206243883	0.03351535
Osm	oncostatin M [Source:MGI Symbol;Acc:MGI:104749]	1.053723928	0.033565171
Nepro	nucleolus and neural progenitor protein [Source:MGI Symt	0.472598147	0.033619235
Smurf2	SMAD specific E3 ubiquitin protein ligase 2 [Source:MGI S	0.158770018	0.033682268
Prkab2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	0.312878986	0.033703493
Wdr59	WD repeat domain 59 [Source:MGI Symbol;Acc:MGI:2442	0.167499816	0.033705897
Gm3435	predicted gene 3435 [Source:MGI Symbol;Acc:MGI:38101	0.478646368	0.033763306
Hist1h2bp	histone cluster 1, H2bp [Source:MGI Symbol;Acc:MGI:244	2.901125909	0.033777858
Tmtc1	transmembrane and tetratricopeptide repeat containing 1 [0.229700139	0.033818824
Mos	Moloney sarcoma oncogene [Source:MGI Symbol;Acc:MG	2.307677099	0.033825835
Gm30684	predicted gene, 30684 [Source:MGI Symbol;Acc:MGI:5580	2.179556552	0.033848166
Gm11790	predicted gene 11790 [Source:MGI Symbol;Acc:MGI:3649	3.429446743	0.034026723
Gm36793	predicted gene, 36793 [Source:MGI Symbol;Acc:MGI:5590	3.426886867	0.034208099
Vps37a	vacuolar protein sorting 37A [Source:MGI Symbol;Acc:MG	0.128235925	0.034328739
Diexf	digestive organ expansion factor homolog (zebrafish) [Sou	0.14196616	0.034466236

Ccdc93	coiled-coil domain containing 93 [Source:MGI Symbol;Acc:	0.316827161	0.034608103
Zswim8	zinc finger SWIM-type containing 8 [Source:MGI Symbol;A	0.147062953	0.034694018
Polr1b	polymerase (RNA) I polypeptide B [Source:MGI Symbol;Ac	0.092398672	0.034737107
Gm46409	predicted gene, 46409 [Source:MGI Symbol;Acc:MGI:5826	0.738959523	0.034738259
Gm31266	predicted gene, 31266 [Source:MGI Symbol;Acc:MGI:5590	3.773995476	0.034774119
Sh3glb1	SH3-domain GRB2-like B1 (endophilin) [Source:MGI Symk	0.258084364	0.034785468
Efcab14	EF-hand calcium binding domain 14 [Source:MGI Symbol;]	0.301651704	0.034818211
Slc7a2	solute carrier family 7 (cationic amino acid transporter, y+ s	0.489968096	0.034828873
1700010L04Rik	RIKEN cDNA 1700010L04 gene [Source:MGI Symbol;Acc	2.567792576	0.034833202
Gm1848	predicted gene 1848 [Source:MGI Symbol;Acc:MGI:30377	2.567792576	0.034833202
Gm5511	predicted gene 5511 [Source:MGI Symbol;Acc:MGI:37794	2.567792576	0.034833202
Slc1a4	solute carrier family 1 (glutamate/neutral amino acid transp	0.170588484	0.034887607
Shank3	SH3 and multiple ankyrin repeat domains 3 [Source:MGI S	0.465882035	0.034992468
9530046B11Rik	RIKEN cDNA 9530046B11 gene [Source:MGI Symbol;Acc	0.576527711	0.035006178
Wwc2	WW, C2 and coiled-coil domain containing 2 [Source:MGI	0.280284019	0.035044344
Snph	syntaphilin [Source:MGI Symbol;Acc:MGI:2139270]	0.388613951	0.035085312
Gm44983	predicted gene 44983 [Source:MGI Symbol;Acc:MGI:5753	2.430692813	0.035153392
Dennd5a	DENN/MADD domain containing 5A [Source:MGI Symbol;]	0.175895049	0.035220689
0610040F04Rik	RIKEN cDNA 0610040F04 gene [Source:MGI Symbol;Acc	0.55892816	0.035445293
Art1	ADP-ribosyltransferase 1 [Source:MGI Symbol;Acc:MGI:10	2.82322769	0.03560143
Kif27	kinesin family member 27 [Source:MGI Symbol;Acc:MGI:1	0.550513091	0.035859024
Baalc	brain and acute leukemia, cytoplasmic [Source:MGI Symb	0.282363541	0.035875899
Gm43517	predicted gene 43517 [Source:MGI Symbol;Acc:MGI:5663	1.070388982	0.035914448
Tmem44	transmembrane protein 44 [Source:MGI Symbol;Acc:MGI:1	0.4744622	0.035995025
Dlg1	discs large MAGUK scaffold protein 1 [Source:MGI Symb	0.243618559	0.036043039
Scarb2	scavenger receptor class B, member 2 [Source:MGI Symb	0.425717899	0.036084415
Hnf1a	HNF1 homeobox A [Source:MGI Symbol;Acc:MGI:98504]	4.525826886	0.036096483
Arid2	AT rich interactive domain 2 (ARID, RFX-like) [Source:MG	0.281819673	0.036232496
Rgs5	regulator of G-protein signaling 5 [Source:MGI Symbol;Acc	0.314017702	0.036396177
Zfp652os	zinc finger protein 652, opposite strand [Source:MGI Symb	0.399971316	0.036413136
Gm14288	predicted gene 14288 [Source:MGI Symbol;Acc:MGI:3706	2.023346597	0.03641369
Ticam2	toll-like receptor adaptor molecule 2 [Source:MGI Symbol;]	1.045401806	0.036497808
Sp140	Sp140 nuclear body protein [Source:MGI Symbol;Acc:MGI	1.524390159	0.036591308
Klr1c	killer cell lectin-like receptor subfamily B member 1C [Sou	2.419477413	0.03676861
Pik3c2a	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit	0.360465593	0.036775033
Bcr	breakpoint cluster region [Source:MGI Symbol;Acc:MGI:88	0.314283258	0.036792357
Prrc2a	proline-rich coiled-coil 2A [Source:MGI Symbol;Acc:MGI:19	0.328975217	0.036800313
Cpd	carboxypeptidase D [Source:MGI Symbol;Acc:MGI:107265	0.270693092	0.036895074
Gm4787	predicted gene 4787 [Source:MGI Symbol;Acc:MGI:36463	0.781291472	0.036898377
Bcas1os2	breast carcinoma amplified sequence 1, opposite strand 2	0.820964623	0.036915147
4930519K11Rik	RIKEN cDNA 4930519K11 gene [Source:MGI Symbol;Acc	0.881878104	0.036967664
Ankrd11	ankyrin repeat domain 11 [Source:MGI Symbol;Acc:MGI:11	0.264194761	0.036969199
Pcdhgb1	protocadherin gamma subfamily B, 1 [Source:MGI Symbol	0.445342262	0.036990148
Kremen1	kringle containing transmembrane protein 1 [Source:MGI S	0.501751292	0.037041682
Gm42555	predicted gene 42555 [Source:MGI Symbol;Acc:MGI:5662	2.625680313	0.037087022
Gm45873	predicted gene 45873 [Source:MGI Symbol;Acc:MGI:5804	2.625680313	0.037087022
AC110241.2	novel transcript	2.414910797	0.0371639
Gm42918	predicted gene 42918 [Source:MGI Symbol;Acc:MGI:5663	0.354155944	0.037305772
Dusp8	dual specificity phosphatase 8 [Source:MGI Symbol;Acc:M	0.215439671	0.037332489
4930412M03Rik	RIKEN cDNA 4930412M03 gene [Source:MGI Symbol;Acc	1.201458046	0.037430203
Acox1	acyl-Coenzyme A oxidase 1, palmitoyl [Source:MGI Symb	0.107020797	0.037462544
Atp2c2	ATPase, Ca++ transporting, type 2C, member 2 [Source:M	0.59562494	0.037554587
Zdhc24	zinc finger, DHHC domain containing 24 [Source:MGI Sym	0.090258678	0.037613319
Gm43628	predicted gene 43628 [Source:MGI Symbol;Acc:MGI:5663	2.414910797	0.037682093

Mcm4	minichromosome maintenance complex component 4 [Source:MG	0.17476728	0.037719526
Iqcd	IQ motif containing D [Source:MGI Symbol;Acc:MGI:19229	0.964009621	0.037876459
Hint3	histidine triad nucleotide binding protein 3 [Source:MGI Sy	0.32187728	0.037943204
Gm17258	predicted gene, 17258 [Source:MGI Symbol;Acc:MGI:4936	1.992463844	0.03799202
Tex35	testis expressed 35 [Source:MGI Symbol;Acc:MGI:192068	1.992463844	0.03799202
Gm8010	predicted gene 8010 [Source:MGI Symbol;Acc:MGI:36486	2.317107573	0.038023123
Kdm7a	lysine (K)-specific demethylase 7A [Source:MGI Symbol;A	0.362428099	0.038050925
Skil	SKI-like [Source:MGI Symbol;Acc:MGI:106203]	0.377472412	0.03810687
1700073E17Rik	RIKEN cDNA 1700073E17 gene [Source:MGI Symbol;Acc	1.989903968	0.038183424
Gm47076	predicted gene, 47076 [Source:MGI Symbol;Acc:MGI:6095	2.23022425	0.0382192
C130060C02Rik	RIKEN cDNA C130060C02 gene [Source:MGI Symbol;Acc	0.838666344	0.03823598
Gm43339	predicted gene 43339 [Source:MGI Symbol;Acc:MGI:5663	0.957516623	0.038365271
Zfp652	zinc finger protein 652 [Source:MGI Symbol;Acc:MGI:2442	0.184312896	0.038400223
Slamf6	SLAM family member 6 [Source:MGI Symbol;Acc:MGI:135	1.186598949	0.038452036
Tmem61	transmembrane protein 61 [Source:MGI Symbol;Acc:MGI:.	1.61827086	0.03848218
Gm26882	predicted gene, 26882 [Source:MGI Symbol;Acc:MGI:5477	2.882784017	0.038487844
Sgsm2	small G protein signaling modulator 2 [Source:MGI Symbo	0.385793163	0.038603284
Gm37818	predicted gene, 37818 [Source:MGI Symbol;Acc:MGI:5611	2.69323163	0.038709365
Pxdc1	PX domain containing 1 [Source:MGI Symbol;Acc:MGI:19	0.338627385	0.038720048
2900055J20Rik	RIKEN cDNA 2900055J20 gene [Source:MGI Symbol;Acc:	0.931259532	0.038820019
Tesmin	testis expressed metallothionein like [Source:MGI Symbol;	2.473659402	0.038941226
Polr3a	polymerase (RNA) III (DNA directed) polypeptide A [Sourc	0.106138667	0.038973142
Gabra2	gamma-aminobutyric acid (GABA) A receptor, subunit alph	0.563816178	0.039031493
Pabpc4	poly(A) binding protein, cytoplasmic 4 [Source:MGI Symbo	0.205224719	0.039106718
Gm42432	predicted gene 42432 [Source:MGI Symbol;Acc:MGI:5662	2.598682897	0.039140613
Gm12183	predicted gene 12183 [Source:MGI Symbol;Acc:MGI:3652	0.542724256	0.03918525
Gm47646	predicted gene, 47646 [Source:MGI Symbol;Acc:MGI:6096	1.950367734	0.039205234
Vps13b	vacuolar protein sorting 13B [Source:MGI Symbol;Acc:MG	0.311239917	0.039224493
Itgav	integrin alpha V [Source:MGI Symbol;Acc:MGI:96608]	0.256345276	0.039232596
Gse1	genetic suppressor element 1, coiled-coil protein [Source:M	0.546152473	0.039253459
Rbpj	recombination signal binding protein for immunoglobulin ka	0.269455938	0.039393548
Pde8b	phosphodiesterase 8B [Source:MGI Symbol;Acc:MGI:2443	0.218017045	0.039417023
Gm45828	predicted gene 45828 [Source:MGI Symbol;Acc:MGI:5804	4.380214529	0.039525686
Gm47231	predicted gene, 47231 [Source:MGI Symbol;Acc:MGI:6096	4.380214529	0.039525686
Cenpa	centromere protein A [Source:MGI Symbol;Acc:MGI:88375	0.501053523	0.039553223
Galnt15	polypeptide N-acetylgalactosaminyltransferase 15 [Source	0.754751327	0.039669298
Pvrig	poliovirus receptor related immunoglobulin domain contain	2.914986464	0.039689203
Kbtbd11	kelch repeat and BTB (POZ) domain containing 11 [Source	0.323626648	0.03971178
Slc25a23	solute carrier family 25 (mitochondrial carrier; phosphate c	0.231394477	0.039776096
Tcp10b	t-complex protein 10b [Source:MGI Symbol;Acc:MGI:9854	1.331909087	0.039800604
Il1rl1	interleukin 1 receptor-like 1 [Source:MGI Symbol;Acc:MGI:	1.413299175	0.039806965
Abcc12	ATP-binding cassette, sub-family C (CFTR/MRP), member	0.562167311	0.039810889
Tmod1	tropomodulin 1 [Source:MGI Symbol;Acc:MGI:98775]	0.222688817	0.03984747
Rad54l2	RAD54 like 2 (S. cerevisiae) [Source:MGI Symbol;Acc:MG	0.275545021	0.039934233
Gm4952	predicted gene 4952 [Source:MGI Symbol;Acc:MGI:36435	2.293131541	0.039963141
Adcy1	adenylate cyclase 1 [Source:MGI Symbol;Acc:MGI:99677]	1.036948558	0.039983616
Map6d1	MAP6 domain containing 1 [Source:MGI Symbol;Acc:MGI:	0.271303214	0.040081429
Gm43815	predicted gene 43815 [Source:MGI Symbol;Acc:MGI:5663	3.141761553	0.040114907
Rpl21-ps15	ribosomal protein L21, pseudogene 15 [Source:MGI Symb	0.940013264	0.04015032
Gm48780	predicted gene, 48780 [Source:MGI Symbol;Acc:MGI:6096	0.378787157	0.040155001
Snord91a	small nucleolar RNA, C/D box 91A [Source:MGI Symbol;A	0.454887267	0.040171349
Gm37317	predicted gene, 37317 [Source:MGI Symbol;Acc:MGI:5610	2.776564964	0.040184571
Gm42953	predicted gene 42953 [Source:MGI Symbol;Acc:MGI:5663	2.68201623	0.040185793
Asb10	ankyrin repeat and SOCS box-containing 10 [Source:MGI :	1.291057004	0.040226356

Atp2a3	ATPase, Ca ⁺⁺ transporting, ubiquitous [Source:MGI Symb	0.481338221	0.040261988
Pim1	proviral integration site 1 [Source:MGI Symbol;Acc:MGI:97	0.506154925	0.040299837
Tesk1	testis specific protein kinase 1 [Source:MGI Symbol;Acc:M	0.241265485	0.040340654
Cntd1	cyclin N-terminal domain containing 1 [Source:MGI Symbo	1.34902098	0.040350285
Fktn	fukutin [Source:MGI Symbol;Acc:MGI:2179507]	0.248795875	0.040454524
Gm15931	predicted gene 15931 [Source:MGI Symbol;Acc:MGI:3805	3.835658741	0.040455077
2810457G06Rik	RIKEN cDNA 2810457G06 gene [Source:MGI Symbol;Acc	2.614464913	0.040458542
4933425D22Rik	RIKEN cDNA 4933425D22 gene [Source:MGI Symbol;Acc	2.614464913	0.040458542
Ciita	class II transactivator [Source:MGI Symbol;Acc:MGI:1084	0.912893059	0.040512757
AC126937.1	novel transcript, antisense to Def6	2.709013647	0.040517383
Gm16050	predicted gene 16050 [Source:MGI Symbol;Acc:MGI:3801	3.48733448	0.040562041
Prex2	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac ex	0.820907547	0.040602618
Ifnar1	interferon (alpha and beta) receptor 1 [Source:MGI Symbo	0.148952614	0.040824214
Gm9938	predicted gene 9938 [Source:MGI Symbol;Acc:MGI:36418	0.736070456	0.040833589
Gm42651	predicted gene 42651 [Source:MGI Symbol;Acc:MGI:5662	2.849919356	0.040856656
Kcng3	potassium voltage-gated channel, subfamily G, member 3	0.590230486	0.040987922
Smco3	single-pass membrane protein with coiled-coil domains 3 [3.5652327	0.041050927
Phf21a	PHD finger protein 21A [Source:MGI Symbol;Acc:MGI:238	0.18491657	0.041122845
Gm44724	predicted gene 44724 [Source:MGI Symbol;Acc:MGI:5753	1.96414301	0.041242803
Zcchc2	zinc finger, CCHC domain containing 2 [Source:MGI Symb	0.238054948	0.041286583
Akr1c14	aldo-keto reductase family 1, member C14 [Source:MGI S	0.847425133	0.041318328
Mlxip	MLX interacting protein [Source:MGI Symbol;Acc:MGI:214	0.22362752	0.041373105
Gm25772	predicted gene, 25772 [Source:MGI Symbol;Acc:MGI:5455	3.353126466	0.041374934
Celsr1	cadherin, EGF LAG seven-pass G-type receptor 1 [Source	0.834026238	0.041506939
Gm9924	predicted gene 9924 [Source:MGI Symbol;Acc:MGI:36422	0.703322748	0.041520956
Cntnap1	contactin associated protein-like 1 [Source:MGI Symbol;Ac	0.378765947	0.041529971
Akap1	A kinase (PRKA) anchor protein 1 [Source:MGI Symbol;Ac	0.211829294	0.041585625
Col6a5	collagen, type VI, alpha 5 [Source:MGI Symbol;Acc:MGI:36	0.904346478	0.041599368
Nkain3	Na ⁺ /K ⁺ transporting ATPase interacting 3 [Source:MGI Sy	0.456275555	0.041613795
Pou2f2	POU domain, class 2, transcription factor 2 [Source:MGI S	0.544658054	0.041922627
1700121N20Rik	RIKEN cDNA 1700121N20 gene [Source:MGI Symbol;Acc	3.567792576	0.041991688
Zfp871	zinc finger protein 871 [Source:MGI Symbol;Acc:MGI:1921	0.505899971	0.042061906
Wdr72	WD repeat domain 72 [Source:MGI Symbol;Acc:MGI:3583	2.609898297	0.04216901
Gm48939	predicted gene, 48939 [Source:MGI Symbol;Acc:MGI:6118	2.598682897	0.042317232
9030612E09Rik	RIKEN cDNA 9030612E09 gene [Source:MGI Symbol;Acc	0.467792493	0.042327492
Gm5560	predicted pseudogene 5560 [Source:MGI Symbol;Acc:MG	1.355372196	0.042447488
Prkcb	protein kinase C, beta [Source:MGI Symbol;Acc:MGI:9759	0.51186404	0.04250262
Prrc2c	proline-rich coiled-coil 2C [Source:MGI Symbol;Acc:MGI:11	0.259154681	0.042609754
Atf7ip	activating transcription factor 7 interacting protein [Source:	0.320685591	0.042632819
Cenpf	centromere protein F [Source:MGI Symbol;Acc:MGI:13133	0.990379512	0.042669317
Cdc42bpa	CDC42 binding protein kinase alpha [Source:MGI Symbol;	0.24954366	0.042693473
Tnrc18	trinucleotide repeat containing 18 [Source:MGI Symbol;Acc	0.351205117	0.042869548
Pdgfra	platelet derived growth factor receptor, alpha polypeptide [0.245842376	0.042906577
Gan	giant axonal neuropathy [Source:MGI Symbol;Acc:MGI:189	0.39565014	0.042935014
Gm37696	predicted gene, 37696 [Source:MGI Symbol;Acc:MGI:5610	0.779773679	0.043067247
Myliip	myosin regulatory light chain interacting protein [Source:Mi	0.371232488	0.043119649
Ubr4	ubiquitin protein ligase E3 component n-recognin 4 [Source	0.195033333	0.043251343
Ski	ski sarcoma viral oncogene homolog (avian) [Source:MGI	0.338627627	0.043258451
Vash1	vasohibin 1 [Source:MGI Symbol;Acc:MGI:2442543]	0.579616916	0.043293394
Gm18014	predicted gene, 18014 [Source:MGI Symbol;Acc:MGI:5010	1.588713567	0.043324594
Gm45153	predicted gene 45153 [Source:MGI Symbol;Acc:MGI:5753	1.588713567	0.043324594
Gm16401	predicted gene 16401 [Source:MGI Symbol;Acc:MGI:3648	3.138440945	0.043346731
Teddm2	transmembrane epididymal family member 2 [Source:MGI	0.578245911	0.043366879
Nup153	nucleoporin 153 [Source:MGI Symbol;Acc:MGI:2385621]	0.227814816	0.043386942

Coa5	cytochrome C oxidase assembly factor 5 [Source:MGI Syn	0.169982076	0.043468998
Skap2	src family associated phosphoprotein 2 [Source:MGI Symt	0.204413504	0.043623917
Chrne	cholinergic receptor, nicotinic, epsilon polypeptide [Source:	2.544916467	0.043801546
Fam234b	family with sequence similarity 234, member B [Source:MC	0.364988461	0.043948255
Gm13481	predicted gene 13481 [Source:MGI Symbol;Acc:MGI:3651	1.20417368	0.043985483
Aspm	abnormal spindle microtubule assembly [Source:MGI Sym	1.280791459	0.043996922
Gm36120	predicted gene, 36120 [Source:MGI Symbol;Acc:MGI:5595	3.141761553	0.044034759
Iqgap3	IQ motif containing GTPase activating protein 3 [Source:M	0.839692106	0.044107317
Ncan	neurocan [Source:MGI Symbol;Acc:MGI:104694]	0.383397087	0.044179511
Dram1	DNA-damage regulated autophagy modulator 1 [Source:M	0.392619385	0.044200118
Olf1r18	olfactory receptor 18 [Source:MGI Symbol;Acc:MGI:10931	2.549450683	0.044244521
Nwd1	NACHT and WD repeat domain containing 1 [Source:MGI	0.527818711	0.044272686
Gm9892	predicted gene 9892 [Source:MGI Symbol;Acc:MGI:37016	0.76016675	0.044316056
Dhrs9	dehydrogenase/reductase (SDR family) member 9 [Source	2.697798247	0.044319186
Alas2	aminolevulinic acid synthase 2, erythroid [Source:MGI Syr	1.289884036	0.044368717
Ccl8	chemokine (C-C motif) ligand 8 [Source:MGI Symbol;Acc:M	1.979925027	0.04437352
Neo1	neogenin [Source:MGI Symbol;Acc:MGI:1097159]	0.358778806	0.044478569
Gm5909	predicted gene 5909 [Source:MGI Symbol;Acc:MGI:36466	3.299450683	0.044569514
Gm9824	predicted pseudogene 9824 [Source:MGI Symbol;Acc:MG	0.862547642	0.044571949
Npas2	neuronal PAS domain protein 2 [Source:MGI Symbol;Acc:M	0.345237009	0.044627075
Pcnt	pericentrin (kendrin) [Source:MGI Symbol;Acc:MGI:10272	0.284505039	0.044634324
5930403N24Rik	RIKEN cDNA 5930403N24 gene [Source:MGI Symbol;Acc	0.323090121	0.044638869
Mras	muscle and microspikes RAS [Source:MGI Symbol;Acc:M	0.303198776	0.044690711
Galnt6os	polypeptide N-acetylgalactosaminyltransferase 6, opposite	0.725643284	0.044767727
Abhd2	abhydrolase domain containing 2 [Source:MGI Symbol;Acc	0.308419035	0.044818245
Gm37885	predicted gene, 37885 [Source:MGI Symbol;Acc:MGI:5611	0.847613079	0.044833764
Fam69c	family with sequence similarity 69, member C [Source:MGI	0.266883636	0.044888915
Gm37824	predicted gene, 37824 [Source:MGI Symbol;Acc:MGI:5611	0.970499366	0.045067574
Wbscr25	Williams Beuren syndrome chromosome region 25 (humar	1.554717509	0.045081536
Klf7	Kruppel-like factor 7 (ubiquitous) [Source:MGI Symbol;Acc	0.50217641	0.045237642
Nkapd1	NKAP domain containing 1 [Source:MGI Symbol;Acc:MGI:	0.259918863	0.0452601
Numa1	nuclear mitotic apparatus protein 1 [Source:MGI Symbol;A	0.221277532	0.045261918
Gm15672	predicted gene 15672 [Source:MGI Symbol;Acc:MGI:3783	1.053877994	0.045408471
Ntrk2	neurotrophic tyrosine kinase, receptor, type 2 [Source:MGI	0.331104516	0.045511138
Stxbp4	syntaxin binding protein 4 [Source:MGI Symbol;Acc:MGI:1	0.312807519	0.045516576
Hjrp	Holliday junction recognition protein [Source:MGI Symbol;A	0.201857957	0.045597235
Stox2	storkhead box 2 [Source:MGI Symbol;Acc:MGI:1918319]	0.287872977	0.04574829
Pou2f1	POU domain, class 2, transcription factor 1 [Source:MGI S	0.241837668	0.045919181
Rfc1	replication factor C (activator 1) 1 [Source:MGI Symbol;Acc	0.171063651	0.046033497
St3gal2	ST3 beta-galactoside alpha-2,3-sialyltransferase 2 [Source	0.28397367	0.046077863
Gm27253	predicted gene 27253 [Source:MGI Symbol;Acc:MGI:5521	1.20417368	0.046083105
Ppp2r2c	protein phosphatase 2, regulatory subunit B, gamma [Sour	0.292764456	0.046430961
Gm38299	predicted gene, 38299 [Source:MGI Symbol;Acc:MGI:5611	1.496080706	0.046490541
Gm45416	predicted gene 45416 [Source:MGI Symbol;Acc:MGI:5791	3.030746439	0.046591684
Zfp607b	zinc finger protein 607B [Source:MGI Symbol;Acc:MGI:214	0.205905777	0.046636287
Gm19582	predicted gene, 19582 [Source:MGI Symbol;Acc:MGI:5011	2.243276315	0.046649868
Gm6352	predicted gene 6352 [Source:MGI Symbol;Acc:MGI:36478	2.912341309	0.04675265
Gm18609	predicted gene, 18609 [Source:MGI Symbol;Acc:MGI:5010	0.793833471	0.04703429
Shank1	SH3 and multiple ankyrin repeat domains 1 [Source:MGI S	0.700392175	0.047104544
Ticam1	toll-like receptor adaptor molecule 1 [Source:MGI Symbol;A	0.374208925	0.047165882
Tcf12	transcription factor 12 [Source:MGI Symbol;Acc:MGI:1018	0.179781568	0.047251376
Xdh	xanthine dehydrogenase [Source:MGI Symbol;Acc:MGI:98	0.772567188	0.047300218
Prrc2b	proline-rich coiled-coil 2B [Source:MGI Symbol;Acc:MGI:19	0.464455591	0.047425482
Mir219a-2	microRNA 219a-2 [Source:MGI Symbol;Acc:MGI:3618754]	1.509321855	0.047438721

Ift80	intraflagellar transport 80 [Source:MGI Symbol;Acc:MGI:19	0.196136782	0.04753936
Lrp4	low density lipoprotein receptor-related protein 4 [Source:M	0.838830428	0.047571335
Fbxl20	F-box and leucine-rich repeat protein 20 [Source:MGI Sym	0.185096915	0.047634033
Nbas	neuroblastoma amplified sequence [Source:MGI Symbol;A	0.150419339	0.04774258
Gm45187	predicted gene 45187 [Source:MGI Symbol;Acc:MGI:5753	2.346223218	0.047790848
Ldlrad4	low density lipoprotein receptor class A domain containing	0.5192091	0.047819719
Plekhn1	pleckstrin homology domain containing, family M (with RUI	0.201411358	0.047888021
Crb2	crumbs family member 2 [Source:MGI Symbol;Acc:MGI:26	0.579211799	0.047906111
Gm9770	predicted gene 9770 [Source:MGI Symbol;Acc:MGI:37085	1.391587822	0.047912198
Dct	dopachrome tautomerase [Source:MGI Symbol;Acc:MGI:1	2.202981545	0.04794898
Zfp800	zinc finger protein 800 [Source:MGI Symbol;Acc:MGI:1889	0.16811682	0.047963939
Shc3	src homology 2 domain-containing transforming protein C3	0.890525779	0.048064534
Gm47483	predicted gene, 47483 [Source:MGI Symbol;Acc:MGI:6096	0.237178855	0.048266232
Ikzf1	IKAROS family zinc finger 1 [Source:MGI Symbol;Acc:MGI	0.688713236	0.048272135
Tnfsfm13	tumor necrosis factor (ligand) superfamily, membrane-bou	1.147022396	0.048356437
Klf12	Kruppel-like factor 12 [Source:MGI Symbol;Acc:MGI:13337	0.506187499	0.048439554
Rai1	retinoic acid induced 1 [Source:MGI Symbol;Acc:MGI:1032	0.145660678	0.048461867
Hectd2	HECT domain E3 ubiquitin protein ligase 2 [Source:MGI S	0.377240977	0.048487215
Gm45632	predicted gene 45632 [Source:MGI Symbol;Acc:MGI:5791	1.729039392	0.048544514
Itgb8	integrin beta 8 [Source:MGI Symbol;Acc:MGI:1338035]	0.39862915	0.048663511
Gm44647	predicted gene 44647 [Source:MGI Symbol;Acc:MGI:5753	0.899161181	0.048692504
Prkcz	protein kinase C, zeta [Source:MGI Symbol;Acc:MGI:9760	0.113723454	0.048763745
Hist1h1e	histone cluster 1, H1e [Source:MGI Symbol;Acc:MGI:1931	1.328643071	0.048848675
Dgki	diacylglycerol kinase, iota [Source:MGI Symbol;Acc:MGI:2	0.486791602	0.048848835
4930455C13Rik	RIKEN cDNA 4930455C13 gene [Source:MGI Symbol;Acc	0.803211006	0.04889545
Fgd6	FYVE, RhoGEF and PH domain containing 6 [Source:MGI	0.442871556	0.049058528
Gramd4	GRAM domain containing 4 [Source:MGI Symbol;Acc:MGI	0.226865833	0.049354582
Gm47251	predicted gene, 47251 [Source:MGI Symbol;Acc:MGI:6096	0.522828401	0.049412841
Arhgap39	Rho GTPase activating protein 39 [Source:MGI Symbol;Ac	0.225079065	0.049480077
Gli3	GLI-Kruppel family member GLI3 [Source:MGI Symbol;Ac	0.472737459	0.049490316
Gm13590	predicted gene 13590 [Source:MGI Symbol;Acc:MGI:3650	2.901125909	0.049529097
Gm20082	predicted gene, 20082 [Source:MGI Symbol;Acc:MGI:5012	2.901125909	0.049529097
Gm2709	predicted gene 2709 [Source:MGI Symbol;Acc:MGI:37808	2.901125909	0.049529097
S1pr3	sphingosine-1-phosphate receptor 3 [Source:MGI Symbol;	0.403330584	0.049554323
Ep300	E1A binding protein p300 [Source:MGI Symbol;Acc:MGI:11	0.320953873	0.049705555
F730043M19Rik	RIKEN cDNA F730043M19 gene [Source:MGI Symbol;Acc	0.262362948	0.049717324
Gdpd5	glycerophosphodiester phosphodiesterase domain contain	0.135043237	0.049802199
C130023A14Rik	RIKEN cDNA C130023A14 gene [Source:MGI Symbol;Acc	0.414579464	0.049834234
Macf1	microtubule-actin crosslinking factor 1 [Source:MGI Symbc	0.162371078	0.049840944
Trim6	tripartite motif-containing 6 [Source:MGI Symbol;Acc:MGI:.	1.622469515	0.049852816
Gm5547	predicted gene 5547 [Source:MGI Symbol;Acc:MGI:36482	2.94323163	0.049919451
Ssh1	slingshot protein phosphatase 1 [Source:MGI Symbol;Acc:	-4.39988594	9.48571E-06
Cd300e	CD300E molecule [Source:MGI Symbol;Acc:MGI:2387602	-2.989828417	0.000106694
Bambi	BMP and activin membrane-bound inhibitor [Source:MGI S	-0.343427032	0.000291683
Trpv4	transient receptor potential cation channel, subfamily V, m	-1.225250271	0.000368283
Gm15945	predicted gene 15945 [Source:MGI Symbol;Acc:MGI:3801	-4.405614807	0.000408374
Fbxo4	F-box protein 4 [Source:MGI Symbol;Acc:MGI:2146220]	-0.320941307	0.000517651
Tm7sf2	transmembrane 7 superfamily member 2 [Source:MGI Syn	-0.231672765	0.000630301
Tmem128	transmembrane protein 128 [Source:MGI Symbol;Acc:MGI	-0.323328608	0.000945716
Gm7367	predicted pseudogene 7367 [Source:MGI Symbol;Acc:MG	-1.853030992	0.001028783
4930545H06Rik	RIKEN cDNA 4930545H06 gene [Source:MGI Symbol;Acc	-4.551855432	0.001050019
Igfals	insulin-like growth factor binding protein, acid labile subuni	-4.551855432	0.001050019
Smarcb1	SWI/SNF related, matrix associated, actin dependent regu	-0.182414129	0.001066882
Ccl21b	chemokine (C-C motif) ligand 21B (leucine) [Source:MGI S	-4.973507423	0.001178068

Nudt6	nudix (nucleoside diphosphate linked moiety X)-type motif	-0.442641466	0.001462289
Dnttip1	deoxynucleotidyltransferase, terminal, interacting protein 1	-0.371230908	0.001493931
Gm15743	predicted gene 15743 [Source:MGI Symbol;Acc:MGI:3783	-0.461977436	0.001513399
Gucd1	guanylyl cyclase domain containing 1 [Source:MGI Symbol	-0.215427125	0.001605514
Angptl8	angiopoietin-like 8 [Source:MGI Symbol;Acc:MGI:3643534	-5.009374182	0.001657996
Fkbp7	FK506 binding protein 7 [Source:MGI Symbol;Acc:MGI:13	-0.49432788	0.001764908
Bud31	BUD31 homolog [Source:MGI Symbol;Acc:MGI:2141291]	-0.280127017	0.0021594
B3gnt6	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransf	-1.064926312	0.002271125
Casz1	castor zinc finger 1 [Source:MGI Symbol;Acc:MGI:119625	-0.34561054	0.002943054
Gm49083	predicted gene, 49083 [Source:MGI Symbol;Acc:MGI:6118	-1.354178232	0.002964273
Tdrd5	tudor domain containing 5 [Source:MGI Symbol;Acc:MGI:2	-0.994205472	0.003100005
Gm9962	predicted gene 9962 [Source:MGI Symbol;Acc:MGI:36426	-0.4667662	0.003201833
Gm21119	predicted gene, 21119 [Source:MGI Symbol;Acc:MGI:5434	-2.966551066	0.003272508
Gm4425	predicted gene 4425 [Source:MGI Symbol;Acc:MGI:38096	-0.846652293	0.003321501
Slc25a25	solute carrier family 25 (mitochondrial carrier, phosphate c	-0.360587437	0.003392738
Ddit4	DNA-damage-inducible transcript 4 [Source:MGI Symbol;A	-0.676063945	0.00345397
Rplp0	ribosomal protein, large, P0 [Source:MGI Symbol;Acc:MGI	-0.908919952	0.003526194
Gm13029	predicted gene 13029 [Source:MGI Symbol;Acc:MGI:3651	-3.535260334	0.003584741
Fabp4	fatty acid binding protein 4, adipocyte [Source:MGI Symbol	-3.298904765	0.004188998
Dpysl2	dihydropyrimidinase-like 2 [Source:MGI Symbol;Acc:MGI:1	-0.366378539	0.004428806
Cstf1	cleavage stimulation factor, 3' pre-RNA, subunit 1 [Source:	-0.167807651	0.004599089
Gm6565	predicted gene 6565 [Source:MGI Symbol;Acc:MGI:36447	-1.522548968	0.004626394
Gm15801	predicted gene 15801 [Source:MGI Symbol;Acc:MGI:3779	-2.041995377	0.005032777
Jph2	junctophilin 2 [Source:MGI Symbol;Acc:MGI:1891496]	-0.684725765	0.005057089
Zfp944	zinc finger protein 944 [Source:MGI Symbol;Acc:MGI:2442	-0.383771676	0.005080419
Gm47797	predicted gene, 47797 [Source:MGI Symbol;Acc:MGI:6096	-0.824434963	0.005181444
Ovol3	ovo like zinc finger 3 [Source:MGI Symbol;Acc:MGI:23880	-4.655614807	0.005185207
9430085M18Rik	RIKEN cDNA 9430085M18 gene [Source:MGI Symbol;Acc	-5.969235512	0.005212412
Zscan12	zinc finger and SCAN domain containing 12 [Source:MGI S	-0.325570186	0.005331383
Kcnmb4os1	potassium large conductance calcium-activated channel, s	-3.294946044	0.005560425
Mrm2	mitochondrial rRNA methyltransferase 2 [Source:MGI Sym	-0.538113063	0.005679803
Gm43848	predicted gene 43848 [Source:MGI Symbol;Acc:MGI:5663	-0.555442185	0.00576917
Fkbp1	FK506 binding protein-like [Source:MGI Symbol;Acc:MGI:1	-0.424110968	0.006026827
Rsph9	radial spoke head 9 homolog (Chlamydomonas) [Source:M	-0.357725376	0.006738732
Gm13772	predicted gene 13772 [Source:MGI Symbol;Acc:MGI:3650	-4.509374182	0.007038245
Nsmce3	NSE3 homolog, SMC5-SMC6 complex component [Source	-0.324859179	0.007095496
Amh	anti-Mullerian hormone [Source:MGI Symbol;Acc:MGI:880	-1.327957471	0.007205252
Gm29156	predicted gene 29156 [Source:MGI Symbol;Acc:MGI:5579	-1.164355355	0.007435106
Gm15614	predicted gene 15614 [Source:MGI Symbol;Acc:MGI:3783	-3.759374182	0.007449763
Yipf3	Yip1 domain family, member 3 [Source:MGI Symbol;Acc:M	-0.183026819	0.007977747
Thyn1	thymocyte nuclear protein 1 [Source:MGI Symbol;Acc:MGI	-0.333652251	0.007996322
Stx19	syntaxin 19 [Source:MGI Symbol;Acc:MGI:1915409]	-3.294946044	0.008173507
Snip1	Smad nuclear interacting protein 1 [Source:MGI Symbol;A	-0.270174954	0.008287916
Gm9803	predicted gene 9803 [Source:MGI Symbol;Acc:MGI:37043	-1.39046876	0.008390767
Nppc	natriuretic peptide type C [Source:MGI Symbol;Acc:MGI:97	-0.609460582	0.008391772
Dapl1	death associated protein-like 1 [Source:MGI Symbol;Acc:M	-4.205932691	0.008448722
Gm10723	predicted gene 10723 [Source:MGI Symbol;Acc:MGI:3641	-3.509374182	0.008453828
Pklr	pyruvate kinase liver and red blood cell [Source:MGI Symb	-3.509374182	0.008453828
Ldoc1	regulator of NFKB signaling [Source:MGI Symbol;Acc:MGI	-0.99053633	0.008467238
Ppil3	peptidylprolyl isomerase (cyclophilin)-like 3 [Source:MGI S	-0.329727428	0.008472634
Rpusd2	RNA pseudouridylate synthase domain containing 2 [Sourc	-0.27953699	0.008903955
Rep15	RAB15 effector protein [Source:MGI Symbol;Acc:MGI:191	-0.946974752	0.009054191
AC154486.1	ribosomal protein L7A (Rpl7a) pseudogene	-4.155614807	0.009162413
Vwde	von Willebrand factor D and EGF domains [Source:MGI S	-4.155614807	0.009162413

Gm3005	predicted gene 3005 [Source:MGI Symbol;Acc:MGI:37811	-3.759374182	0.009194439
Snord49b	small nucleolar RNA, C/D box 49B [Source:MGI Symbol;A	-4.155614807	0.009272604
Trdn	triatin [Source:MGI Symbol;Acc:MGI:1924007]	-1.621154195	0.009361957
Gm42797	predicted gene 42797 [Source:MGI Symbol;Acc:MGI:5662	-5.236096831	0.009481377
Sdad1	SDA1 domain containing 1 [Source:MGI Symbol;Acc:MGI:.	-0.305319563	0.009493404
Rab24	RAB24, member RAS oncogene family [Source:MGI Symt	-0.148529292	0.009568983
Gm11642	predicted gene 11642 [Source:MGI Symbol;Acc:MGI:3651	-1.017949276	0.009598176
Tcf24	transcription factor 24 [Source:MGI Symbol;Acc:MGI:3780	-0.991030573	0.009616702
Polr2j	polymerase (RNA) II (DNA directed) polypeptide J [Source	-0.329110782	0.009709784
Tctex1d1	Tctex1 domain containing 1 [Source:MGI Symbol;Acc:MGI	-1.108733611	0.010044109
Nog	noggin [Source:MGI Symbol;Acc:MGI:104327]	-0.33296974	0.010056819
Gm38355	predicted gene, 38355 [Source:MGI Symbol;Acc:MGI:5611	-3.759374182	0.010109461
Gm5507	predicted gene 5507 [Source:MGI Symbol;Acc:MGI:36486	-3.759374182	0.010109461
Lsm10	U7 snRNP-specific Sm-like protein LSM10 [Source:MGI S	-0.288329146	0.010166156
Gm47003	predicted gene, 47003 [Source:MGI Symbol;Acc:MGI:6095	-3.544946044	0.010322031
Ap1m1	adaptor-related protein complex AP-1, mu subunit 1 [Sourc	-0.055468218	0.010394783
Psmg2	proteasome (prosome, macropain) assembly chaperone 2	-0.454842028	0.010680491
Mepce	methylphosphate capping enzyme [Source:MGI Symbol;Ac	-0.169520714	0.010731614
Nip7	NIP7, nucleolar pre-rRNA processing protein [Source:MGI	-0.289691206	0.010828729
Cyp24a1	cytochrome P450, family 24, subfamily a, polypeptide 1 [Sc	-4.155614807	0.010862409
Gm42141	predicted gene, 42141 [Source:MGI Symbol;Acc:MGI:5625	-4.155614807	0.010862409
Rabl3	RAB, member RAS oncogene family-like 3 [Source:MGI S	-0.293330258	0.010862658
D930028M14Rik	RIKEN cDNA D930028M14 gene [Source:MGI Symbol;Acc	-3.647736347	0.010878918
Ube2e3	ubiquitin-conjugating enzyme E2E 3 [Source:MGI Symbol,	-0.204468101	0.01117098
6430571L13Rik	RIKEN cDNA 6430571L13 gene [Source:MGI Symbol;Acc	-0.407727444	0.011331538
Znhit3	zinc finger, HIT type 3 [Source:MGI Symbol;Acc:MGI:3051	-0.218185938	0.011334512
Nup37	nucleoporin 37 [Source:MGI Symbol;Acc:MGI:1919964]	-0.452880904	0.011395138
Rnasek	ribonuclease, RNase K [Source:MGI Symbol;Acc:MGI:106	-0.723407186	0.011411086
Igip	IgA inducing protein [Source:MGI Symbol;Acc:MGI:192427	-0.420597143	0.01159616
Gm15190	predicted gene 15190 [Source:MGI Symbol;Acc:MGI:3705	-3.759374182	0.011601048
Gm44992	predicted gene 44992 [Source:MGI Symbol;Acc:MGI:5753	-3.759374182	0.011601048
Gm13039	predicted gene 13039 [Source:MGI Symbol;Acc:MGI:3649	-3.509374182	0.011827571
Fbxo7	F-box protein 7 [Source:MGI Symbol;Acc:MGI:1917004]	-0.203047802	0.0119533
Gm17040	predicted gene 17040 [Source:MGI Symbol;Acc:MGI:4937	-3.759374182	0.011969306
C8b	complement component 8, beta polypeptide [Source:MGI	-3.492779084	0.012324461
Zfp512	zinc finger protein 512 [Source:MGI Symbol;Acc:MGI:1917	-0.13172749	0.012738565
9630002D21Rik	RIKEN cDNA 9630002D21 gene [Source:MGI Symbol;Acc	-1.59228489	0.012758285
Zbtb7c	zinc finger and BTB domain containing 7C [Source:MGI Sy	-0.358419591	0.013073575
Vmn1r4	vomer nasal 1 receptor 4 [Source:MGI Symbol;Acc:MGI:2	-2.751143294	0.013119648
Snord42b	small nucleolar RNA, C/D box 42B [Source:MGI Symbol;A	-1.998708612	0.013187032
Nt5c3	5'-nucleotidase, cytosolic III [Source:MGI Symbol;Acc:MGI	-0.358272242	0.013284684
Cetn2	centrin 2 [Source:MGI Symbol;Acc:MGI:1347085]	-0.221556254	0.013350146
Gpr3	G-protein coupled receptor 3 [Source:MGI Symbol;Acc:MC	-0.523883265	0.013369988
Gm13833	predicted gene 13833 [Source:MGI Symbol;Acc:MGI:3650	-4.301855432	0.013433833
Nae1	NEDD8 activating enzyme E1 subunit 1 [Source:MGI Symt	-0.204671803	0.01353801
Drg2	developmentally regulated GTP binding protein 2 [Source:I	-0.181341411	0.013617203
Nqo1	NAD(P)H dehydrogenase, quinone 1 [Source:MGI Symbol	-0.427440357	0.013669365
Gm8213	predicted pseudogene 8213 [Source:MGI Symbol;Acc:MG	-1.453961657	0.013671983
Chrna2	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuron	-0.982098246	0.013717911
Acox1	acyl-Coenzyme A oxidase-like [Source:MGI Symbol;Acc:M	-1.171880256	0.013821642
Dnajc12	DnaJ heat shock protein family (Hsp40) member C12 [Sou	-0.696258615	0.013920038
Aimp2	aminoacyl tRNA synthetase complex-interacting multifunct	-0.393900195	0.013980489
Taf6l	TATA-box binding protein associated factor 6 like [Source:	-0.232429959	0.014010709
Gm6750	predicted gene 6750 [Source:MGI Symbol;Acc:MGI:37796	-1.004974237	0.0141161

5930409G06Rik	RIKEN cDNA 5930409G06 gene [Source:MGI Symbol;Acc	-0.503694962	0.01435939
Aaas	achalasia, adrenocortical insufficiency, alacrimia [Source:M	-0.210639117	0.014510032
Zfp410	zinc finger protein 410 [Source:MGI Symbol;Acc:MGI:1289	-0.21401758	0.014532338
Gm6170	predicted gene 6170 [Source:MGI Symbol;Acc:MGI:36433	-1.09798751	0.014716639
Ipo4	importin 4 [Source:MGI Symbol;Acc:MGI:1923001]	-0.213926827	0.014850846
Rpap2	RNA polymerase II associated protein 2 [Source:MGI Sym	-0.372374794	0.014862655
Nup54	nucleoporin 54 [Source:MGI Symbol;Acc:MGI:1920460]	-0.231556179	0.014890648
Nek3	NIMA (never in mitosis gene a)-related expressed kinase 3	-0.80609993	0.01497828
Crybb1	crystallin, beta B1 [Source:MGI Symbol;Acc:MGI:104992]	-0.586616719	0.014979525
5730403I07Rik	RIKEN cDNA 5730403I07 gene [Source:MGI Symbol;Acc:1	-2.13211032	0.015016191
Sfrp2	secreted frizzled-related protein 2 [Source:MGI Symbol;Ac	-0.74798656	0.015031234
Ttc39c	tetratricopeptide repeat domain 39C [Source:MGI Symbol;	-0.314736594	0.015077451
Prtn3	proteinase 3 [Source:MGI Symbol;Acc:MGI:893580]	-0.594609352	0.015197126
Gm20735	predicted gene, 20735 [Source:MGI Symbol;Acc:MGI:5434	-0.607327759	0.015509364
Eaf2	ELL associated factor 2 [Source:MGI Symbol;Acc:MGI:214	-0.597443082	0.015629047
Pkd2l2	polycystic kidney disease 2-like 2 [Source:MGI Symbol;Acc	-0.16856959	0.015691852
Tsen15	tRNA splicing endonuclease subunit 15 [Source:MGI Symt	-0.525255269	0.015744535
Myg1	melanocyte proliferating gene 1 [Source:MGI Symbol;Acc:1	-0.212966122	0.01575635
Rbfa	ribosome binding factor A [Source:MGI Symbol;Acc:MGI:1	-0.246491627	0.01611219
Gm44877	predicted gene 44877 [Source:MGI Symbol;Acc:MGI:5753	-2.775499635	0.016190541
Gm14167	predicted gene 14167 [Source:MGI Symbol;Acc:MGI:3651	-0.981238929	0.016242551
Zfp418	zinc finger protein 418 [Source:MGI Symbol;Acc:MGI:2444	-0.287687655	0.016409567
1700021F05Rik	RIKEN cDNA 1700021F05 gene [Source:MGI Symbol;Acc	-0.251073487	0.016435982
A930041C12Rik	RIKEN cDNA A930041C12 gene [Source:MGI Symbol;Acc	-3.509374182	0.016564384
Ccdc160	coiled-coil domain containing 160 [Source:MGI Symbol;Acc	-0.553016331	0.016714537
Ccdc82	coiled-coil domain containing 82 [Source:MGI Symbol;Acc:	-0.219438263	0.016881824
Rpl29	ribosomal protein L29 [Source:MGI Symbol;Acc:MGI:9968	-0.828619025	0.016889261
Gm10226	predicted gene 10226 [Source:MGI Symbol;Acc:MGI:3704	-1.027336474	0.017101262
Ufsp1	UFM1-specific peptidase 1 [Source:MGI Symbol;Acc:MGI:	-0.621010282	0.017122177
Gm43612	predicted gene 43612 [Source:MGI Symbol;Acc:MGI:5663	-1.828147074	0.017130564
Prr11	proline rich 11 [Source:MGI Symbol;Acc:MGI:2444496]	-1.136096475	0.017155241
Gm42047	predicted gene, 42047 [Source:MGI Symbol;Acc:MGI:5624	-0.8505333	0.017295278
Mdh1b	malate dehydrogenase 1B, NAD (soluble) [Source:MGI Sy	-0.612278135	0.017326111
Tssk1	testis-specific serine kinase 1 [Source:MGI Symbol;Acc:MC	-1.112733532	0.01745133
Orc6	origin recognition complex, subunit 6 [Source:MGI Symbol	-0.290388106	0.017517887
Zfp729b	zinc finger protein 729b [Source:MGI Symbol;Acc:MGI:214	-0.27873112	0.017580588
Ccdc152	coiled-coil domain containing 152 [Source:MGI Symbol;Acc	-1.433246739	0.017581771
Gm43890	predicted gene, 43890 [Source:MGI Symbol;Acc:MGI:5690	-1.269720259	0.017687257
Cops5	COP9 signalosome subunit 5 [Source:MGI Symbol;Acc:MC	-0.350591708	0.018120141
P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1 [Sour	-0.759176376	0.018662432
Clp1	CLP1, cleavage and polyadenylation factor I subunit [Sour	-0.385339054	0.01888076
Xrcc4	X-ray repair complementing defective repair in Chinese ha	-0.402653823	0.018881908
Gm36266	predicted gene, 36266 [Source:MGI Symbol;Acc:MGI:5595	-1.418331637	0.019245377
Slbp	stem-loop binding protein [Source:MGI Symbol;Acc:MGI:10	-0.373611264	0.019315736
Pcbd2	pterin 4 alpha carbinolamine dehydratase/dimerization cofa	-0.53106599	0.019406378
9530059O14Rik	RIKEN cDNA 9530059O14 gene [Source:MGI Symbol;Acc	-0.793201217	0.019648432
Gm16437	predicted pseudogene 16437 [Source:MGI Symbol;Acc:MC	-2.120628324	0.019676432
Lmo1	LIM domain only 1 [Source:MGI Symbol;Acc:MGI:102812]	-0.521102541	0.019737219
Gm40603	predicted gene, 40603 [Source:MGI Symbol;Acc:MGI:5623	-3.762030003	0.019769773
Gpsm1	G-protein signalling modulator 1 (AGS3-like, C. elegans) [S	-0.234353664	0.019841386
Kcni4	Kv channel interacting protein 4 [Source:MGI Symbol;Acc:1	-0.532680448	0.020195064
Hspb8	heat shock protein 8 [Source:MGI Symbol;Acc:MGI:213571	-0.994657048	0.020654079
Qrs11	glutamyl-tRNA synthase (glutamine-hydrolyzing)-like 1 [S	-0.287421002	0.020680664
Gm13090	predicted gene 13090 [Source:MGI Symbol;Acc:MGI:3650	-2.898705418	0.021002333

Gm21057	predicted gene, 21057 [Source:MGI Symbol;Acc:MGI:5434	-2.38211032	0.021021391
Rnps1	ribonucleic acid binding protein S1 [Source:MGI Symbol;Acc:MGI:19	-0.152014048	0.021125419
Mad2l1bp	MAD2L1 binding protein [Source:MGI Symbol;Acc:MGI:19	-0.360376253	0.021137648
Prmt6	protein arginine N-methyltransferase 6 [Source:MGI Symbol;Acc:MGI:19	-0.265269039	0.021452819
Pdpx	pyridoxal (pyridoxine, vitamin B6) phosphatase [Source:MGI Symbol;Acc:MGI:19	-0.182814275	0.021744458
Lym1	LYR motif containing 1 [Source:MGI Symbol;Acc:MGI:192	-0.434411865	0.021755251
Zdhhc20	zinc finger, DHHC domain containing 20 [Source:MGI Symbol;Acc:MGI:192	-0.136421948	0.022118694
Rilpl2	Rab interacting lysosomal protein-like 2 [Source:MGI Symbol;Acc:MGI:192	-0.300816364	0.022199132
Gm13375	predicted gene 13375 [Source:MGI Symbol;Acc:MGI:3649	-0.283345243	0.02228554
5430403G16Rik	RIKEN cDNA 5430403G16 gene [Source:MGI Symbol;Acc:MGI:3649	-0.777021745	0.022364064
Atp5d	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, beta subunit [Source:MGI Symbol;Acc:MGI:3649	-0.19452049	0.022410354
Gm45570	predicted gene 45570 [Source:MGI Symbol;Acc:MGI:5791	-2.277134495	0.022732309
Csk	c-src tyrosine kinase [Source:MGI Symbol;Acc:MGI:88537	-0.103613106	0.022753971
Gm20036	predicted gene, 20036 [Source:MGI Symbol;Acc:MGI:5012	-0.711473062	0.022899925
Tmem43	transmembrane protein 43 [Source:MGI Symbol;Acc:MGI:5012	-0.181207292	0.022937748
Yars2	tyrosyl-tRNA synthetase 2 (mitochondrial) [Source:MGI Symbol;Acc:MGI:5012	-0.300784487	0.023158021
Gm43609	predicted gene 43609 [Source:MGI Symbol;Acc:MGI:5663	-1.227591437	0.023185226
Gm6563	predicted pseudogene 6563 [Source:MGI Symbol;Acc:MGI:5663	-0.438654132	0.023362359
Nutf2-ps1	nuclear transport factor 2, pseudogene 1 [Source:MGI Symbol;Acc:MGI:5663	-2.659915168	0.023584676
Gm42495	predicted gene 42495 [Source:MGI Symbol;Acc:MGI:5662	-6.084222992	0.023750575
Fcrla	Fc receptor-like A [Source:MGI Symbol;Acc:MGI:2138647]	-4.405614807	0.023828243
Mettl13	methyltransferase like 13 [Source:MGI Symbol;Acc:MGI:192	-0.182815594	0.023872731
Marcks1	MARCKS-like 1 [Source:MGI Symbol;Acc:MGI:97143]	-0.308792527	0.023953826
Ccna1	cyclin A1 [Source:MGI Symbol;Acc:MGI:108042]	-0.434662233	0.024040853
Gm14760	predicted gene 14760 [Source:MGI Symbol;Acc:MGI:3709	-1.275400278	0.024297155
Gm33366	predicted gene, 33366 [Source:MGI Symbol;Acc:MGI:5592	-1.328491955	0.024370852
Fdx1	ferredoxin 1 [Source:MGI Symbol;Acc:MGI:103224]	-0.495483019	0.025138244
1700108F19Rik	RIKEN cDNA 1700108F19 gene [Source:MGI Symbol;Acc:MGI:103224]	-2.846538458	0.025141482
Gm15976	predicted gene 15976 [Source:MGI Symbol;Acc:MGI:3801	-2.846538458	0.025141482
Gm41409	predicted gene, 41409 [Source:MGI Symbol;Acc:MGI:5624	-2.846538458	0.025141482
Gm26617	predicted gene, 26617 [Source:MGI Symbol;Acc:MGI:5477	-0.477285249	0.025213461
Gm2999	predicted gene 2999 [Source:MGI Symbol;Acc:MGI:37811	-1.537272391	0.025470134
Gm12462	predicted gene 12462 [Source:MGI Symbol;Acc:MGI:3650	-3.452454448	0.025581457
Mrnip	MRN complex interacting protein [Source:MGI Symbol;Acc:MGI:3650	-0.528719601	0.025624472
Ampd2	adenosine monophosphate deaminase 2 [Source:MGI Symbol;Acc:MGI:3650	-0.218466984	0.025712925
Hsf2	heat shock factor 2 [Source:MGI Symbol;Acc:MGI:96239]	-0.198134906	0.025773593
Gm14597	predicted gene 14597 [Source:MGI Symbol;Acc:MGI:3711	-0.434160127	0.025855522
Fbxo36	F-box protein 36 [Source:MGI Symbol;Acc:MGI:1289192]	-0.68193771	0.025861679
Krt7	keratin 7 [Source:MGI Symbol;Acc:MGI:96704]	-2.608832969	0.025864925
Gm8860	predicted gene 8860 [Source:MGI Symbol;Acc:MGI:36480	-3.564630421	0.026113021
Gm14176	predicted gene 14176 [Source:MGI Symbol;Acc:MGI:3650	-0.627591258	0.02617353
Cyp51	cytochrome P450, family 51 [Source:MGI Symbol;Acc:MGI:3650	-0.364030959	0.026198555
Krt1	keratin 1 [Source:MGI Symbol;Acc:MGI:96698]	-0.730476924	0.026230491
Psm4	proteasome (prosome, macropain) subunit, alpha type 4 [Source:MGI Symbol;Acc:MGI:96698]	-0.351885129	0.026252108
Ciart	circadian associated repressor of transcription [Source:MGI Symbol;Acc:MGI:96698]	-0.688927588	0.026301521
Taf5l	TATA-box binding protein associated factor 5 like [Source:MGI Symbol;Acc:MGI:96698]	-0.237997396	0.026348999
Marveld2	MARVEL (membrane-associating) domain containing 2 [Source:MGI Symbol;Acc:MGI:96698]	-0.841876138	0.026378377
Ahsa2	AHA1, activator of heat shock protein ATPase 2 [Source:MGI Symbol;Acc:MGI:96698]	-0.348743886	0.026410334
Usp21	ubiquitin specific peptidase 21 [Source:MGI Symbol;Acc:MGI:96698]	-0.151389786	0.026437742
Ovgp1	oviductal glycoprotein 1 [Source:MGI Symbol;Acc:MGI:106	-0.461633317	0.026689568
Ikbip	IKKB interacting protein [Source:MGI Symbol;Acc:MGI:106	-0.319071518	0.026907398
Gtf2f1	general transcription factor IIF, polypeptide 1 [Source:MGI Symbol;Acc:MGI:106	-0.203084142	0.026960994
Lars2	leucyl-tRNA synthetase, mitochondrial [Source:MGI Symbol;Acc:MGI:106	-0.30894432	0.027088529
Rab4a	RAB4A, member RAS oncogene family [Source:MGI Symbol;Acc:MGI:106	-0.18424631	0.027109751

Wdr27	WD repeat domain 27 [Source:MGI Symbol;Acc:MGI:1918	-0.533590735	0.027128169
n-R5s67	nuclear encoded rRNA 5S 67 [Source:MGI Symbol;Acc:MGI:1918	-1.376308343	0.027141978
Gpbp111	GC-rich promoter binding protein 1-like 1 [Source:MGI Symbol;Acc:MGI:1918	-0.16848827	0.027276589
Sar1b	secretion associated Ras related GTPase 1B [Source:MGI Symbol;Acc:MGI:1918	-0.28529424	0.027434087
Efna2	ephrin A2 [Source:MGI Symbol;Acc:MGI:102707]	-0.141769143	0.027529311
Gm28370	predicted gene 28370 [Source:MGI Symbol;Acc:MGI:5579	-0.194463773	0.027725526
Gm15894	predicted gene 15894 [Source:MGI Symbol;Acc:MGI:3801	-0.642973817	0.027732099
Siah2	siah E3 ubiquitin protein ligase 2 [Source:MGI Symbol;Acc:MGI:1918	-0.34815704	0.027985609
B230344G16Rik	RIKEN cDNA B230344G16 gene [Source:MGI Symbol;Acc:MGI:1918	-1.106349466	0.028104773
Lrif1	ligand dependent nuclear receptor interacting factor 1 [Source:MGI Symbol;Acc:MGI:1918	-0.420263286	0.028300423
1110059G10Rik	RIKEN cDNA 1110059G10 gene [Source:MGI Symbol;Acc:MGI:1918	-0.314031668	0.028422523
Psmc13	proteasome (prosome, macropain) 26S subunit, non-ATPase [Source:MGI Symbol;Acc:MGI:1918	-0.227369084	0.028533269
Gm47472	predicted gene, 47472 [Source:MGI Symbol;Acc:MGI:6096	-2.846538458	0.02853853
Stk31	serine threonine kinase 31 [Source:MGI Symbol;Acc:MGI:1918	-2.846538458	0.02853853
Iyd	iodotyrosine deiodinase [Source:MGI Symbol;Acc:MGI:1918	-4.521668692	0.028541252
Arxes1	adipocyte-related X-chromosome expressed sequence 1 [Source:MGI Symbol;Acc:MGI:1918	-0.366441242	0.028646481
Mttp	microsomal triglyceride transfer protein [Source:MGI Symbol;Acc:MGI:1918	-0.278117037	0.02881365
Th	tyrosine hydroxylase [Source:MGI Symbol;Acc:MGI:98735]	-2.322015511	0.029007452
Mgst3	microsomal glutathione S-transferase 3 [Source:MGI Symbol;Acc:MGI:1918	-0.365387917	0.029119252
Gm45716	predicted gene 45716 [Source:MGI Symbol;Acc:MGI:5804	-0.385041821	0.029170655
Sik1	salt inducible kinase 1 [Source:MGI Symbol;Acc:MGI:1047	-0.837674645	0.029171354
Ube2f	ubiquitin-conjugating enzyme E2F (putative) [Source:MGI Symbol;Acc:MGI:1918	-0.195776013	0.029229091
Rab33b	RAB33B, member RAS oncogene family [Source:MGI Symbol;Acc:MGI:1918	-0.255949473	0.02924034
Gm39653	predicted gene, 39653 [Source:MGI Symbol;Acc:MGI:5622	-3.544946044	0.029318148
Dbp	D site albumin promoter binding protein [Source:MGI Symbol;Acc:MGI:1918	-0.401971381	0.029451131
Ltb4r1	leukotriene B4 receptor 1 [Source:MGI Symbol;Acc:MGI:1110059G10Rik	-1.83545626	0.02946965
Mtx2	metaxin 2 [Source:MGI Symbol;Acc:MGI:1859652]	-0.296016358	0.029560127
Gm42576	predicted gene 42576 [Source:MGI Symbol;Acc:MGI:5662	-4.405614807	0.029684651
Gm9144	predicted gene 9144 [Source:MGI Symbol;Acc:MGI:36432	-3.441186669	0.029697212
C1qtnf2	C1q and tumor necrosis factor related protein 2 [Source:MGI Symbol;Acc:MGI:1918	-1.217244444	0.029880767
Cops7b	COP9 signalosome subunit 7B [Source:MGI Symbol;Acc:MGI:1918	-0.167008472	0.029996457
Ip6k2	inositol hexaphosphate kinase 2 [Source:MGI Symbol;Acc:MGI:1918	-0.25861882	0.030061394
Nub1	negative regulator of ubiquitin-like proteins 1 [Source:MGI Symbol;Acc:MGI:1918	-0.151849357	0.030067246
Tbx6	T-box 6 [Source:MGI Symbol;Acc:MGI:102539]	-0.770956643	0.030089393
Dmrtc1a	DMRT-like family C1a [Source:MGI Symbol;Acc:MGI:1918	-0.62277331	0.030110868
Eef1e1	eukaryotic translation elongation factor 1 epsilon 1 [Source:MGI Symbol;Acc:MGI:1918	-0.574249103	0.030139003
Slc45a2	solute carrier family 45, member 2 [Source:MGI Symbol;Acc:MGI:1918	-1.829054961	0.030154093
Rpp25	ribonuclease P/MRP 25 subunit [Source:MGI Symbol;Acc:MGI:1918	-0.559213999	0.030415317
Polr2h	polymerase (RNA) II (DNA directed) polypeptide H [Source:MGI Symbol;Acc:MGI:1918	-0.259455714	0.03047362
Alg5	asparagine-linked glycosylation 5 (dolichyl-phosphate beta mannosyltransferase 5) [Source:MGI Symbol;Acc:MGI:1918	-0.349415707	0.030577486
Phax	phosphorylated adaptor for RNA export [Source:MGI Symbol;Acc:MGI:1918	-0.246729911	0.03062233
4930527J03Rik	RIKEN cDNA 4930527J03 gene [Source:MGI Symbol;Acc:MGI:1918	-1.247079444	0.030634494
Mvd	mevalonate (diphospho) decarboxylase [Source:MGI Symbol;Acc:MGI:1918	-0.340811165	0.030812418
Gm4366	predicted gene 4366 [Source:MGI Symbol;Acc:MGI:37825	-0.280649964	0.030813546
Tkfc	triokinase, FMN cyclase [Source:MGI Symbol;Acc:MGI:2301	-0.160578779	0.030857951
Psmc5	proteasome (prosome, macropain) subunit, alpha type 5 [Source:MGI Symbol;Acc:MGI:1918	-0.320941857	0.030866719
Clybl	citrate lyase beta like [Source:MGI Symbol;Acc:MGI:19168	-0.212921151	0.030910242
Avp1	arginine vasopressin-induced 1 [Source:MGI Symbol;Acc:MGI:1918	-0.322249662	0.030962746
Mdga1	MAM domain containing glycosylphosphatidylinositol anchor [Source:MGI Symbol;Acc:MGI:1918	-0.154088957	0.031003032
Kdelr2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein receptor [Source:MGI Symbol;Acc:MGI:1918	-0.27099264	0.03124477
4930512J16Rik	RIKEN cDNA 4930512J16 gene [Source:MGI Symbol;Acc:MGI:1918	-4.087427294	0.031292633
Tram1	translocating chain-associating membrane protein 1 [Source:MGI Symbol;Acc:MGI:1918	-0.135222461	0.0315197
Gm16582	predicted gene 16582 [Source:MGI Symbol;Acc:MGI:4415	-1.155192182	0.031566961
Txndc12	thioredoxin domain containing 12 (endoplasmic reticulum) [Source:MGI Symbol;Acc:MGI:1918	-0.293574487	0.031673358

Arl6ip6	ADP-ribosylation factor-like 6 interacting protein 6 [Source:	-0.212913454	0.031731595
Ggps1	geranylgeranyl diphosphate synthase 1 [Source:MGI Symt	-0.180511431	0.031749353
Med30	mediator complex subunit 30 [Source:MGI Symbol;Acc:MC	-0.410375864	0.031805424
Akr1b3	aldo-keto reductase family 1, member B3 (aldose reductas	-0.186624198	0.031808092
Rbp1	retinol binding protein 1, cellular [Source:MGI Symbol;Acc:	-0.882265406	0.031862981
Gm26518	predicted gene, 26518 [Source:MGI Symbol;Acc:MGI:5477	-2.425241026	0.03195777
Rabggtb	Rab geranylgeranyl transferase, b subunit [Source:MGI Sy	-0.356961154	0.031998175
Prkcsh	protein kinase C substrate 80K-H [Source:MGI Symbol;Acc:	-0.234396327	0.032118669
Entpd6	ectonucleoside triphosphate diphosphohydrolase 6 [Source	-0.342201008	0.032203747
Hdhd3	haloacid dehalogenase-like hydrolase domain containing 3	-0.234815429	0.032208652
Tyw5	tRNA-yW synthesizing protein 5 [Source:MGI Symbol;Acc:	-0.174245687	0.032237651
Stk33	serine/threonine kinase 33 [Source:MGI Symbol;Acc:MGI:2	-0.544799915	0.032302734
Mat2a	methionine adenosyltransferase II, alpha [Source:MGI Sym	-0.181662412	0.032317622
Gm45518	predicted gene 45518 [Source:MGI Symbol;Acc:MGI:5791	-3.445145391	0.032328245
Hspbp1	HSPA (heat shock 70kDa) binding protein, cytoplasmic co	-0.27918334	0.032433354
Nck1	non-catalytic region of tyrosine kinase adaptor protein 1 [S	-0.302191814	0.032457124
Ccdc71	coiled-coil domain containing 71 [Source:MGI Symbol;Acc:	-0.296566034	0.032530056
H2afy	H2A histone family, member Y [Source:MGI Symbol;Acc:M	-0.143217699	0.032545584
5031434C07Rik	RIKEN cDNA 5031434C07 gene [Source:MGI Symbol;Acc	-3.905614807	0.032582485
Gdap111	ganglioside-induced differentiation-associated protein 1-lik	-0.256626951	0.032584909
Efhc2	EF-hand domain (C-terminal) containing 2 [Source:MGI Sy	-0.818179662	0.032624436
Lamtor3	late endosomal/lysosomal adaptor, MAPK and MTOR activ	-0.25428951	0.032721498
Bscl2	Berardinelli-Seip congenital lipodystrophy 2 (seipin) [Sourc	-0.27080981	0.032793695
Hmgb1-ps7	high-mobility group high mobility group box 1, pseudogene	-3.548904765	0.032873936
Prim1	DNA primase, p49 subunit [Source:MGI Symbol;Acc:MGI:9	-0.268841508	0.03294412
Sars	seryl-aminoacyl-tRNA synthetase [Source:MGI Symbol;Acc	-0.234581534	0.032982243
Rchy1	ring finger and CHY zinc finger domain containing 1 [Sourc	-0.358648954	0.033030358
Ppp2r2d	protein phosphatase 2, regulatory subunit B, delta [Source	-0.309065697	0.033034414
4930483O08Rik	RIKEN cDNA 4930483O08 gene [Source:MGI Symbol;Acc	-3.441186669	0.033088663
Ccl27a	chemokine (C-C motif) ligand 27A [Source:MGI Symbol;Ac	-3.044946044	0.033111208
B9d1os	B9 protein domain 1, opposite strand [Source:MGI Symbol	-1.076873262	0.033198067
Srsf3	serine/arginine-rich splicing factor 3 [Source:MGI Symbol;/	-0.290693581	0.033214362
Hsd3b7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid	-4.259374182	0.033248606
Gm4881	predicted gene 4881 [Source:MGI Symbol;Acc:MGI:36429	-4.837427294	0.033299814
Pemt	phosphatidylethanolamine N-methyltransferase [Source:M	-0.594137469	0.033343966
Rhno1	RAD9-HUS1-RAD1 interacting nuclear orphan 1 [Source:M	-0.262320392	0.033434096
Gm3226	predicted gene 3226 [Source:MGI Symbol;Acc:MGI:38049	-0.491053173	0.033467485
Vgf	VGF nerve growth factor inducible [Source:MGI Symbol;Ac	-0.389392799	0.033488905
Chrna10	cholinergic receptor, nicotinic, alpha polypeptide 10 [Sourc	-1.264654176	0.033509599
Gm17201	predicted gene 17201 [Source:MGI Symbol;Acc:MGI:4938	-0.402564153	0.033671041
2410018L13Rik	RIKEN cDNA 2410018L13 gene [Source:MGI Symbol;Acc	-1.88078882	0.033867742
Tmem266	transmembrane protein 266 [Source:MGI Symbol;Acc:MGI	-0.191457052	0.033932076
9330185C12Rik	RIKEN cDNA 9330185C12 gene [Source:MGI Symbol;Acc	-3.044946044	0.033946085
Tm2d1	TM2 domain containing 1 [Source:MGI Symbol;Acc:MGI:2	-0.328571252	0.033948361
Dner	delta/notch-like EGF repeat containing [Source:MGI Symbi	-0.365592567	0.034037385
Abt1	activator of basal transcription 1 [Source:MGI Symbol;Acc:	-0.265394261	0.034076484
Cnga2	cyclic nucleotide gated channel alpha 2 [Source:MGI Symt	-2.660870032	0.034111423
Saxo2	stabilizer of axonemal microtubules 2 [Source:MGI Symbo	-0.454202975	0.034152771
Gm6283	predicted gene 6283 [Source:MGI Symbol;Acc:MGI:36482	-3.905614807	0.034234732
Gm20149	predicted gene, 20149 [Source:MGI Symbol;Acc:MGI:5012	-3.139019709	0.034253606
Kcne4	potassium voltage-gated channel, Isk-related subfamily, ge	-1.189516046	0.034415385
Agtr2	angiotensin II receptor, type 2 [Source:MGI Symbol;Acc:M	-1.477097967	0.034553134
Shroom3	shroom family member 3 [Source:MGI Symbol;Acc:MGI:13	-0.569896042	0.034739854
Prpf38a	PRP38 pre-mRNA processing factor 38 (yeast) domain coi	-0.152637092	0.034742103

Gm42500	predicted gene 42500 [Source:MGI Symbol;Acc:MGI:5662	-4.520347193	0.034910769
Gm36346	predicted gene, 36346 [Source:MGI Symbol;Acc:MGI:5595	-3.048904765	0.034913071
Lipt2	lipoyl(octanoyl) transferase 2 (putative) [Source:MGI Symb	-0.242952129	0.035110984
Armc10	armadillo repeat containing 10 [Source:MGI Symbol;Acc:M	-0.200559627	0.03519514
Commd8	COMM domain containing 8 [Source:MGI Symbol;Acc:MG	-0.203780411	0.035217797
4930458D05Rik	RIKEN cDNA 4930458D05 gene [Source:MGI Symbol;Acc	-2.310554815	0.035417105
Topors	topoisomerase I binding, arginine/serine-rich [Source:MGI	-0.231548763	0.035440068
Dnajc4	DnaJ heat shock protein family (Hsp40) member C4 [Sour	-0.347212286	0.035751067
Rpl10a-ps2	ribosomal protein L10A, pseudogene 2 [Source:MGI Symb	-4.051855432	0.035753138
Cited2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carb	-0.411813341	0.035798356
Gm12089	predicted gene 12089 [Source:MGI Symbol;Acc:MGI:3650	-3.813628188	0.035907032
Phf13	PHD finger protein 13 [Source:MGI Symbol;Acc:MGI:2446;	-0.345213748	0.03595619
Tmem216	transmembrane protein 216 [Source:MGI Symbol;Acc:MGI	-0.431878339	0.03602281
Gm13577	predicted gene 13577 [Source:MGI Symbol;Acc:MGI:3649	-0.643202207	0.036053999
Ten1	TEN1 telomerase capping complex subunit [Source:MGI S	-0.230791374	0.036089155
Nudt10	nudix (nucleoside diphosphate linked moiety X)-type motif	-0.308822389	0.036168933
AC151284.2	microtubule-associated protein 7 (Map7) pseudogene	-1.573847128	0.03623387
Gm23935	predicted gene, 23935 [Source:MGI Symbol;Acc:MGI:5453	-0.329781886	0.036272467
Churc1	churchill domain containing 1 [Source:MGI Symbol;Acc:MC	-0.66017568	0.036444581
Ing3	inhibitor of growth family, member 3 [Source:MGI Symbol;]	-0.078500791	0.036942941
Ccdc137	coiled-coil domain containing 137 [Source:MGI Symbol;Ac	-0.200198011	0.037048989
Mis18a	MIS18 kinetochore protein A [Source:MGI Symbol;Acc:MG	-0.326667956	0.037056993
Chac1	ChaC, cation transport regulator 1 [Source:MGI Symbol;Ac	-0.373147774	0.03708722
Grb10	growth factor receptor bound protein 10 [Source:MGI Syml	-0.532828324	0.037112541
Pim3	proviral integration site 3 [Source:MGI Symbol;Acc:MGI:13	-0.357854169	0.037495766
Emd	emerin [Source:MGI Symbol;Acc:MGI:108117]	-0.259570254	0.037662095
Haghl	hydroxyacylglutathione hydrolase-like [Source:MGI Symbo	-0.31940595	0.037668501
Tsn	translin [Source:MGI Symbol;Acc:MGI:109263]	-0.114059399	0.037728683
Dpysl3	dihydropyrimidinase-like 3 [Source:MGI Symbol;Acc:MGI:1	-0.423083651	0.03775118
Col10a1	collagen, type X, alpha 1 [Source:MGI Symbol;Acc:MGI:88	-1.508974157	0.037794681
Gm12033	predicted gene 12033 [Source:MGI Symbol;Acc:MGI:3650	-2.198976334	0.037835425
Col9a2	collagen, type IX, alpha 2 [Source:MGI Symbol;Acc:MGI:8	-0.541578197	0.037971144
Gm47017	predicted gene, 47017 [Source:MGI Symbol;Acc:MGI:6095	-1.376308343	0.037971637
1110051M20Rik	RIKEN cDNA 1110051M20 gene [Source:MGI Symbol;Acc	-0.218576271	0.038196882
Lysmd3	LysM, putative peptidoglycan-binding, domain containing 3	-0.313500774	0.038209405
Dusp1	dual specificity phosphatase 1 [Source:MGI Symbol;Acc:M	-0.87235129	0.038228085
Apip	APAF1 interacting protein [Source:MGI Symbol;Acc:MGI:1	-0.210387419	0.038362747
Faf1	Fas-associated factor 1 [Source:MGI Symbol;Acc:MGI:109	-0.15714417	0.038479524
Copz1	coatamer protein complex, subunit zeta 1 [Source:MGI Syr	-0.218060205	0.038570269
Cabp5	calcium binding protein 5 [Source:MGI Symbol;Acc:MGI:13	-2.945017612	0.038677876
F5	coagulation factor V [Source:MGI Symbol;Acc:MGI:88382]	-1.454415645	0.038732274
Notumos	notum palmitoleoyl-protein carboxylesterase, opposite stra	-1.38268216	0.038796617
Pstpip2	proline-serine-threonine phosphatase-interacting protein 2	-0.355689111	0.038833442
Zfp781	zinc finger protein 781 [Source:MGI Symbol;Acc:MGI:3696	-0.685839817	0.038888796
Zfp444	zinc finger protein 444 [Source:MGI Symbol;Acc:MGI:1923	-0.214932587	0.038919878
Trhr	thyrotropin releasing hormone receptor [Source:MGI Symb	-0.601006315	0.03907372
Rnf113a2	ring finger protein 113A2 [Source:MGI Symbol;Acc:MGI:19	-0.267304485	0.039117556
Gm4657	predicted gene 4657 [Source:MGI Symbol;Acc:MGI:37828	-0.623343959	0.039128719
Pnpo	pyridoxine 5'-phosphate oxidase [Source:MGI Symbol;Acc	-0.409453466	0.039282596
Tinagl1	tubulointerstitial nephritis antigen-like 1 [Source:MGI Symb	-0.265733055	0.039330763
Srsf4	serine/arginine-rich splicing factor 4 [Source:MGI Symbol;]	-0.141443554	0.039357202
Nrl	neural retina leucine zipper gene [Source:MGI Symbol;Acc	-0.741800311	0.039391003
Spryd4	SPRY domain containing 4 [Source:MGI Symbol;Acc:MGI:	-0.314691459	0.039393961
Tmem106c	transmembrane protein 106C [Source:MGI Symbol;Acc:M	-0.330696299	0.039414369

Gm15446	predicted gene 15446 [Source:MGI Symbol;Acc:MGI:3709	-0.425179235	0.039474396
Zpbp2	zona pellucida binding protein 2 [Source:MGI Symbol;Acc:	-3.905614807	0.039539851
Tubb2a	tubulin, beta 2A class IIA [Source:MGI Symbol;Acc:MGI:10	-0.489791326	0.039627583
Nop56	NOP56 ribonucleoprotein [Source:MGI Symbol;Acc:MGI:19	-0.296325966	0.0397395
Btf3l4	basic transcription factor 3-like 4 [Source:MGI Symbol;Acc	-0.146822514	0.039769197
Tomm40	translocase of outer mitochondrial membrane 40 [Source:M	-0.266178802	0.039959304
Ran	RAN, member RAS oncogene family [Source:MGI Symbol	-0.295966433	0.039990244
Ntmt1	N-terminal Xaa-Pro-Lys N-methyltransferase 1 [Source:MC	-0.238179525	0.040042235
Kat5	K(lysine) acetyltransferase 5 [Source:MGI Symbol;Acc:MG	-0.176745898	0.040154762
Ssb	Sjogren syndrome antigen B [Source:MGI Symbol;Acc:MG	-0.278243137	0.040357854
Tubb3	tubulin, beta 3 class III [Source:MGI Symbol;Acc:MGI:1078	-0.452310674	0.040520806
Dolpp1	dolichyl pyrophosphate phosphatase 1 [Source:MGI Symb	-0.17907836	0.040525109
Acat2	acetyl-Coenzyme A acetyltransferase 2 [Source:MGI Symt	-0.324648529	0.040657871
Chic2	cysteine-rich hydrophobic domain 2 [Source:MGI Symbol;A	-0.141471679	0.040697451
Gm16240	predicted gene 16240 [Source:MGI Symbol;Acc:MGI:3801	-2.302735708	0.040737214
2310061I04Rik	RIKEN cDNA 2310061I04 gene [Source:MGI Symbol;Acc:R	-0.23705269	0.040783122
1700056N10Rik	RIKEN cDNA 1700056N10 gene [Source:MGI Symbol;Acc	-0.902156581	0.040800345
4930453N24Rik	RIKEN cDNA 4930453N24 gene [Source:MGI Symbol;Acc	-0.321802009	0.04096068
Gm47963	predicted gene, 47963 [Source:MGI Symbol;Acc:MGI:6097	-1.522548968	0.040996961
1700067K01Rik	RIKEN cDNA 1700067K01 gene [Source:MGI Symbol;Acc	-0.344422208	0.041124944
Zfp995	zinc finger protein 995 [Source:MGI Symbol;Acc:MGI:1917	-0.553386034	0.04115539
Pof1b	premature ovarian failure 1B [Source:MGI Symbol;Acc:MG	-1.189401165	0.041248676
Tmem141	transmembrane protein 141 [Source:MGI Symbol;Acc:MGI	-0.436702525	0.041558184
Itgb6	integrin beta 6 [Source:MGI Symbol;Acc:MGI:96615]	-3.044946044	0.041561408
Tstd3	thiosulfate sulfurtransferase (rhodanese)-like domain cont	-0.196158286	0.041626825
Tmem101	transmembrane protein 101 [Source:MGI Symbol;Acc:MGI	-0.253359615	0.041737888
H2-Q10	histocompatibility 2, Q region locus 10 [Source:MGI Symb	-4.882337456	0.04212242
Gm15690	predicted gene 15690 [Source:MGI Symbol;Acc:MGI:3783	-1.408043492	0.042162481
Zfp788	zinc finger protein 788 [Source:MGI Symbol;Acc:MGI:1914	-0.161149034	0.042399692
Gm6560	predicted gene 6560 [Source:MGI Symbol;Acc:MGI:36462	-0.370958973	0.042426819
Gm3164	predicted gene 3164 [Source:MGI Symbol;Acc:MGI:37813	-3.491457584	0.04248881
Gm44056	predicted gene, 44056 [Source:MGI Symbol;Acc:MGI:5690	-2.992779084	0.042600136
Kcnv2	potassium channel, subfamily V, member 2 [Source:MGI S	-2.992779084	0.042600136
Gm10167	predicted pseudogene 10167 [Source:MGI Symbol;Acc:MC	-0.842904168	0.042667612
Oca2	oculocutaneous albinism II [Source:MGI Symbol;Acc:MGI:1	-2.751143294	0.042695947
Gm35721	predicted gene, 35721 [Source:MGI Symbol;Acc:MGI:5594	-1.581350812	0.042740442
Tada3	transcriptional adaptor 3 [Source:MGI Symbol;Acc:MGI:19	-0.080577459	0.042752597
Exosc3	exosome component 3 [Source:MGI Symbol;Acc:MGI:191	-0.270907526	0.042860232
Gm26666	predicted gene, 26666 [Source:MGI Symbol;Acc:MGI:5477	-1.122223376	0.042986294
Gm16286	predicted gene 16286 [Source:MGI Symbol;Acc:MGI:3833	-0.253954329	0.043055857
Eif2d	eukaryotic translation initiation factor 2D [Source:MGI Sym	-0.065973227	0.043101374
Timm10	translocase of inner mitochondrial membrane 10 [Source:M	-0.423955991	0.043111169
Pex11a	peroxisomal biogenesis factor 11 alpha [Source:MGI Symt	-0.183892838	0.043118113
Uqcrcs1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polyp	-0.347186803	0.043127493
Sf3a3	splicing factor 3a, subunit 3 [Source:MGI Symbol;Acc:MGI	-0.172615789	0.043144547
Mir6929	microRNA 6929 [Source:MGI Symbol;Acc:MGI:5530680]	-2.992779084	0.043306031
Nlrc4	NLR family, CARD domain containing 4 [Source:MGI Syml	-1.492892918	0.043356578
Thoc3	THO complex 3 [Source:MGI Symbol;Acc:MGI:1920916]	-0.190580275	0.043444803
Sdf2	stromal cell derived factor 2 [Source:MGI Symbol;Acc:MGI	-0.266880872	0.04345642
4930563M21Rik	RIKEN cDNA 4930563M21 gene [Source:MGI Symbol;Acc	-4.051855432	0.043574517
P2rx2	purinergic receptor P2X, ligand-gated ion channel, 2 [Sour	-2.459741034	0.043900452
Tmem161a	transmembrane protein 161A [Source:MGI Symbol;Acc:MC	-0.199161851	0.044003096
Zfp825	zinc finger protein 825 [Source:MGI Symbol;Acc:MGI:2385	-0.292349537	0.04407755
Rheb	Ras homolog enriched in brain [Source:MGI Symbol;Acc:M	-0.277645266	0.044094188

Nprl2	nitrogen permease regulator-like 2 [Source:MGI Symbol;Acc:MG	-0.295946432	0.044137896
Trappc6a	trafficking protein particle complex 6A [Source:MGI Symbol;Acc:MG	-0.389936364	0.044174149
Amigo2	adhesion molecule with Ig like domain 2 [Source:MGI Symbol;Acc:MG	-0.959504198	0.044204083
Fam196b	family with sequence similarity 196, member B [Source:MGI Symbol;Acc:MG	-0.826539672	0.044340051
Prmt1	protein arginine N-methyltransferase 1 [Source:MGI Symbol;Acc:MG	-0.409496716	0.044499205
Rpp30	ribonuclease P/MRP 30 subunit [Source:MGI Symbol;Acc:MG	-0.52759435	0.044675098
Pole2	polymerase (DNA directed), epsilon 2 (p59 subunit) [Source:MGI Symbol;Acc:MG	-0.75694026	0.044703415
Nudt11	nudix (nucleoside diphosphate linked moiety X)-type motif 11 [Source:MGI Symbol;Acc:MG	-0.296699381	0.044744064
Cmpk1	cytidine monophosphate (UMP-CMP) kinase 1 [Source:MGI Symbol;Acc:MG	-0.252028607	0.044754536
Rpia	ribose 5-phosphate isomerase A [Source:MGI Symbol;Acc:MG	-0.286402632	0.044853642
Gm2136	predicted gene 2136 [Source:MGI Symbol;Acc:MG:37803] [Source:MGI Symbol;Acc:MG	-0.374757627	0.045133162
Mrps23	mitochondrial ribosomal protein S23 [Source:MGI Symbol;Acc:MG	-0.212345313	0.045139828
Cgn	cingulin [Source:MGI Symbol;Acc:MG:1927237] [Source:MGI Symbol;Acc:MG	-0.433304597	0.045334978
Zcchc18	zinc finger, CCHC domain containing 18 [Source:MGI Symbol;Acc:MG	-0.378461725	0.045418717
Unc50	unc-50 homolog [Source:MGI Symbol;Acc:MG:1914637] [Source:MGI Symbol;Acc:MG	-0.29708579	0.045483868
Gm38944	predicted gene, 38944 [Source:MGI Symbol;Acc:MG:5621] [Source:MGI Symbol;Acc:MG	-2.730717252	0.045496245
Pnma3	paraneoplastic antigen MA3 [Source:MGI Symbol;Acc:MG:13472] [Source:MGI Symbol;Acc:MG	-0.509713436	0.045520854
Nop58	NOP58 ribonucleoprotein [Source:MGI Symbol;Acc:MG:1914637] [Source:MGI Symbol;Acc:MG	-0.20170304	0.045604103
Gm28424	predicted gene 28424 [Source:MGI Symbol;Acc:MG:5579] [Source:MGI Symbol;Acc:MG	-0.397224223	0.045746289
Nelfcd	negative elongation factor complex member C/D, Th11 [Source:MGI Symbol;Acc:MG	-0.13758861	0.045976763
Mtrf1l	mitochondrial translational release factor 1-like [Source:MGI Symbol;Acc:MG	-0.241196564	0.046088738
Oraov1	oral cancer overexpressed 1 [Source:MGI Symbol;Acc:MG:13472] [Source:MGI Symbol;Acc:MG	-0.142084681	0.046160869
Gcsh	glycine cleavage system protein H (aminomethyl carrier) [Source:MGI Symbol;Acc:MG	-0.2922943	0.046290276
Fkbp8	FK506 binding protein 8 [Source:MGI Symbol;Acc:MG:13472] [Source:MGI Symbol;Acc:MG	-0.176812807	0.046314969
Ppif	peptidylprolyl isomerase F (cyclophilin F) [Source:MGI Symbol;Acc:MG	-0.212487763	0.046321145
Zfp454	zinc finger protein 454 [Source:MGI Symbol;Acc:MG:2679] [Source:MGI Symbol;Acc:MG	-0.399993955	0.046325546
Bdh2	3-hydroxybutyrate dehydrogenase, type 2 [Source:MGI Symbol;Acc:MG	-1.264426712	0.046373937
Itpa	inosine triphosphatase (nucleoside triphosphate pyrophosphatase) [Source:MGI Symbol;Acc:MG	-0.259741997	0.046474134
AC122821.1	ribosomal protein L37 (Rpl37) pseudogene [Source:MGI Symbol;Acc:MG	-0.60180885	0.046503651
Cluap1	clusterin associated protein 1 [Source:MGI Symbol;Acc:MG:13472] [Source:MGI Symbol;Acc:MG	-0.245045733	0.046527273
Smyd2	SET and MYND domain containing 2 [Source:MGI Symbol;Acc:MG:13472] [Source:MGI Symbol;Acc:MG	-0.326955888	0.046530727
Pqlc1	PQ loop repeat containing 1 [Source:MGI Symbol;Acc:MG:13472] [Source:MGI Symbol;Acc:MG	-0.286077567	0.046675422
Rc3h2	ring finger and CCCH-type zinc finger domains 2 [Source:MGI Symbol;Acc:MG	-0.200286508	0.046807277
Gm10250	predicted pseudogene 10250 [Source:MGI Symbol;Acc:MG:5621] [Source:MGI Symbol;Acc:MG	-0.700534201	0.0468569
Nop10	NOP10 ribonucleoprotein [Source:MGI Symbol;Acc:MG:1914637] [Source:MGI Symbol;Acc:MG	-0.449945108	0.046911028
Kifc5b	kinesin family member C5B [Source:MGI Symbol;Acc:MG:13472] [Source:MGI Symbol;Acc:MG	-0.369595879	0.047030413
Imp3	IMP3, U3 small nucleolar ribonucleoprotein [Source:MGI Symbol;Acc:MG	-0.232478498	0.047037171
Glt28d2	glycosyltransferase 28 domain containing 2 [Source:MGI Symbol;Acc:MG	-1.350750753	0.047105318
Slc25a17	solute carrier family 25 (mitochondrial carrier, peroxisomal) member 17 [Source:MGI Symbol;Acc:MG	-0.255173172	0.047154285
Cpne7	copine VII [Source:MGI Symbol;Acc:MG:2142747] [Source:MGI Symbol;Acc:MG	-0.531462711	0.047301407
Mrpl3	mitochondrial ribosomal protein L3 [Source:MGI Symbol;Acc:MG:13472] [Source:MGI Symbol;Acc:MG	-0.200307664	0.047331594
Cacng1	calcium channel, voltage-dependent, gamma subunit 1 [Source:MGI Symbol;Acc:MG	-1.148813483	0.047354026
Gm43693	predicted gene 43693 [Source:MGI Symbol;Acc:MG:5663] [Source:MGI Symbol;Acc:MG	-2.660431153	0.047488945
Farsa	phenylalanyl-tRNA synthetase, alpha subunit [Source:MGI Symbol;Acc:MG	-0.204007735	0.047715831
Pts	6-pyruvoyl-tetrahydropterin synthase [Source:MGI Symbol;Acc:MG	-0.559646343	0.048016933
Cuta	cutA divalent cation tolerance homolog [Source:MGI Symbol;Acc:MG	-0.168604401	0.048108352
Gm5525	predicted gene 5525 [Source:MGI Symbol;Acc:MG:36460] [Source:MGI Symbol;Acc:MG	-1.192066945	0.048139936
Elof1	ELF1 homolog, elongation factor 1 [Source:MGI Symbol;Acc:MG:13472] [Source:MGI Symbol;Acc:MG	-0.261057155	0.04814368
Gm33940	predicted gene, 33940 [Source:MGI Symbol;Acc:MG:5593] [Source:MGI Symbol;Acc:MG	-1.353030992	0.048368318
Alkbh4	alkB homolog 4, lysine demethylase [Source:MGI Symbol;Acc:MG	-0.195873998	0.0484027
Tunar	Tcl1 upstream neural differentiation associated RNA [Source:MGI Symbol;Acc:MG	-0.718436145	0.048433219
Fam50a	family with sequence similarity 50, member A [Source:MGI Symbol;Acc:MG	-0.167234878	0.048464913
Sbds	SBDS ribosome maturation factor [Source:MGI Symbol;Acc:MG	-0.246168059	0.048629931
Ddx20	DEAD (Asp-Glu-Ala-Asp) box polypeptide 20 [Source:MGI Symbol;Acc:MG	-0.150807774	0.048663143

Pcbp2	poly(rC) binding protein 2 [Source:MGI Symbol;Acc:MGI:101914]	-0.110040603	0.048664377
Rnf181	ring finger protein 181 [Source:MGI Symbol;Acc:MGI:1913]	-0.195005	0.048691746
Mmadhc	methylmalonic aciduria (cobalamin deficiency) cblD type, variant [Source:MGI Symbol;Acc:MGI:101914]	-0.29010577	0.048694842
Gtf2h3	general transcription factor IIH, polypeptide 3 [Source:MGI Symbol;Acc:MGI:5662]	-0.315292309	0.048700927
Gm42488	predicted gene 42488 [Source:MGI Symbol;Acc:MGI:5662]	-2.666696778	0.048836863
Calb2	calbindin 2 [Source:MGI Symbol;Acc:MGI:101914]	-1.718742042	0.048887906
Rad21l	RAD21-like (S. pombe) [Source:MGI Symbol;Acc:MGI:365]	-0.99110163	0.048910196
Tmem120a	transmembrane protein 120A [Source:MGI Symbol;Acc:MGI:6118]	-0.223037145	0.048922191
Bex3	brain expressed X-linked 3 [Source:MGI Symbol;Acc:MGI:98544]	-0.442478384	0.048969927
Gm48914	predicted gene, 48914 [Source:MGI Symbol;Acc:MGI:6118]	-1.353030992	0.048986382
Hsf5	heat shock transcription factor family member 5 [Source:MGI Symbol;Acc:MGI:98544]	-0.587139023	0.049005253
Tcp11	t-complex protein 11 [Source:MGI Symbol;Acc:MGI:98544]	-0.782799979	0.049080832
Ube2d1	ubiquitin-conjugating enzyme E2D 1 [Source:MGI Symbol;Acc:MGI:1344392]	-0.179026748	0.049088186
Capn10	calpain 10 [Source:MGI Symbol;Acc:MGI:1344392]	-0.241012022	0.049152592
Eif2s2	eukaryotic translation initiation factor 2, subunit 2 (beta) [Source:MGI Symbol;Acc:MGI:98544]	-0.234139181	0.049208418
Kbtbd2	kelch repeat and BTB (POZ) domain containing 2 [Source:MGI Symbol;Acc:MGI:98544]	-0.307744419	0.049258428
Rita1	RBPJ interacting and tubulin associated 1 [Source:MGI Symbol;Acc:MGI:98544]	-0.273559546	0.049497685
Nsmce4a	NSE4 homolog A, SMC5-SMC6 complex component [Source:MGI Symbol;Acc:MGI:98544]	-0.258918991	0.049586814
Mbnl3	muscleblind like splicing factor 3 [Source:MGI Symbol;Acc:MGI:98544]	-3.294946044	0.049744351
Ecsit	ECSIT signalling integrator [Source:MGI Symbol;Acc:MGI:98544]	-0.193364737	0.049783869
B230217J21Rik	RIKEN cDNA B230217J21 gene [Source:MGI Symbol;Acc:MGI:98544]	-3.029458357	0.049862692
Mcrip1	MAPK regulated corepressor interacting protein 1 [Source:MGI Symbol;Acc:MGI:98544]	-0.253096769	0.049868224
1810010H24Rik	RIKEN cDNA 1810010H24 gene [Source:MGI Symbol;Acc:MGI:98544]	-0.558619305	0.049924998
Psmc6	proteasome (prosome, macropain) 26S subunit, ATPase, catalytic [Source:MGI Symbol;Acc:MGI:98544]	-0.260954535	0.049962265