

**Dataset 1. Transcripts upregulated and downregulated in the cortex of tau<sup>P301S</sup> mice vs WT mice**

Gene name	Gene description	Log2(FC)	p-value
Gm5900	predicted pseudogene 5900 [Source:MGI Symbol;Acc:MGI:378309]	3.945303052	4.69153E-05
Gm37292	predicted gene, 37292 [Source:MGI Symbol;Acc:MGI:56105]	1.555627535	7.37751E-05
Gbp2b	guanylate binding protein 2b [Source:MGI Symbol;Acc:MGI:95502]	7.846225747	8.55271E-05
Gm2566	predicted gene 2566 [Source:MGI Symbol;Acc:MGI:378073]	2.384171777	8.95522E-05
Gm6750	predicted gene 6750 [Source:MGI Symbol;Acc:MGI:377962]	4.238596766	9.73368E-05
4930527J03Rik	RIKEN cDNA 4930527J03 gene [Source:MGI Symbol;Acc:MGI:4930527J03]	1.849520426	9.77543E-05
Gm15651	predicted gene 15651 [Source:MGI Symbol;Acc:MGI:378309]	3.172172551	0.000119278
4930590L14Rik	RIKEN cDNA 4930590L14 gene [Source:MGI Symbol;Acc:MGI:4930590L14]	7.724738101	0.000165508
Gm7367	predicted pseudogene 7367 [Source:MGI Symbol;Acc:MGI:378309]	1.260484473	0.000245353
Rab24	RAB24, member RAS oncogene family [Source:MGI Symbol;Acc:MGI:10000]	0.14829751	0.000248824
Gm36993	predicted gene, 36993 [Source:MGI Symbol;Acc:MGI:56102]	4.037427866	0.000393616
Gm15976	predicted gene 15976 [Source:MGI Symbol;Acc:MGI:380189]	4.037427866	0.000393616
Usp35	ubiquitin specific peptidase 35 [Source:MGI Symbol;Acc:MGI:10000]	0.161689396	0.000532161
Trim71	tripartite motif-containing 71 [Source:MGI Symbol;Acc:MGI:2141291]	1.001304425	0.000582764
Bud31	BUD31 homolog [Source:MGI Symbol;Acc:MGI:2141291]	0.244768266	0.000695935
Rnf138	ring finger protein 138 [Source:MGI Symbol;Acc:MGI:192922]	0.183364888	0.000802333
A830092H15Rik	RIKEN cDNA A830092H15 gene [Source:MGI Symbol;Acc:MGI:A830092H15]	0.767626761	0.000979925
Tbc1d10c	TBC1 domain family, member 10c [Source:MGI Symbol;Acc:MGI:10000]	0.786745727	0.001180258
Gm45104	predicted gene 45104 [Source:MGI Symbol;Acc:MGI:575364]	1.206272961	0.00132508
Ovol3	ovo like zinc finger 3 [Source:MGI Symbol;Acc:MGI:238807]	4.683668491	0.001387065
Gm10701	predicted gene 10701 [Source:MGI Symbol;Acc:MGI:364255]	3.39306307	0.001491676
Gm15690	predicted gene 15690 [Source:MGI Symbol;Acc:MGI:378313]	1.760484473	0.001516671
Gm15801	predicted gene 15801 [Source:MGI Symbol;Acc:MGI:377962]	2.640521627	0.001579418
B230112G18Rik	RIKEN cDNA B230112G18 gene [Source:MGI Symbol;Acc:MGI:B230112G18]	1.349520426	0.001665344
Gm13710	predicted gene 13710 [Source:MGI Symbol;Acc:MGI:365089]	2.245761051	0.001820362
Zbtb48	zinc finger and BTB domain containing 48 [Source:MGI Symbol;Acc:MGI:10000]	0.330627793	0.00184519
Gm44872	predicted gene 44872 [Source:MGI Symbol;Acc:MGI:575344]	2.935544321	0.001871499
Tmem154	transmembrane protein 154 [Source:MGI Symbol;Acc:MGI:2141291]	1.203279801	0.001947383
2010111I01Rik	RIKEN cDNA 2010111I01 gene [Source:MGI Symbol;Acc:MGI:2010111I01]	0.320885172	0.002053765
Gm44270	predicted gene, 44270 [Source:MGI Symbol;Acc:MGI:56906]	2.34423197	0.002115283
Gm23564	predicted gene, 23564 [Source:MGI Symbol;Acc:MGI:54533]	3.787427866	0.002132384
Apob	apolipoprotein B [Source:MGI Symbol;Acc:MGI:88052]	3.537427866	0.002433884
Mir6769b	microRNA 6769b [Source:MGI Symbol;Acc:MGI:5530928]	3.537427866	0.002433884
Gm10723	predicted gene 10723 [Source:MGI Symbol;Acc:MGI:364178]	3.537427866	0.002433884
Prnp	prion protein [Source:MGI Symbol;Acc:MGI:97769]	0.679198791	0.002436986
Acot12	acyl-CoA thioesterase 12 [Source:MGI Symbol;Acc:MGI:192922]	1.121680684	0.002684556
Washc1	WASH complex subunit 1 [Source:MGI Symbol;Acc:MGI:192922]	0.173080589	0.002715055
Rnps1	ribonucleic acid binding protein S1 [Source:MGI Symbol;Acc:MGI:10000]	0.183428616	0.002725106
Gm17690	predicted gene, 17690 [Source:MGI Symbol;Acc:MGI:49373]	0.400314362	0.002862175
Gnl2	guanine nucleotide binding protein-like 2 (nucleolar) [Source:MGI Symbol;Acc:MGI:10000]	0.242941543	0.002871327
Gm21057	predicted gene, 21057 [Source:MGI Symbol;Acc:MGI:54344]	3.837739015	0.002976971
Gm25117	predicted gene, 25117 [Source:MGI Symbol;Acc:MGI:54548]	2.382511011	0.003063828
Gm38389	predicted gene, 38389 [Source:MGI Symbol;Acc:MGI:56136]	3.787427866	0.00315191
Setmar	SET domain without mariner transposase fusion [Source:MGI Symbol;Acc:MGI:10000]	0.485246291	0.003208018
Gm8234	predicted gene 8234 [Source:MGI Symbol;Acc:MGI:377979]	3.68514854	0.003243666
Pias4	protein inhibitor of activated STAT 4 [Source:MGI Symbol;Acc:MGI:10000]	0.160899813	0.003278459
Cog2	component of oligomeric golgi complex 2 [Source:MGI Symbol;Acc:MGI:10000]	0.186564552	0.003482624
Gm10080	predicted gene 10080 [Source:MGI Symbol;Acc:MGI:371052]	1.614243848	0.003491624
Gm23887	predicted gene, 23887 [Source:MGI Symbol;Acc:MGI:54536]	4.183668491	0.003545258
Gm13039	predicted gene 13039 [Source:MGI Symbol;Acc:MGI:364999]	3.537427866	0.003666932
2310030G06Rik	RIKEN cDNA 2310030G06 gene [Source:MGI Symbol;Acc:MGI:2310030G06]	0.456035754	0.003855342

Gm17040	predicted gene 17040 [Source:MGI Symbol;Acc:MGI:493786]	3.787427866	0.003856529
Tbx2	T-box 2 [Source:MGI Symbol;Acc:MGI:98494]	0.304591171	0.003857622
Gm10912	predicted gene 10912 [Source:MGI Symbol;Acc:MGI:380909]	2.674713994	0.003993016
Gm9871	predicted gene 9871 [Source:MGI Symbol;Acc:MGI:364714]	4.329909116	0.004177652
9530059O14Rik	RIKEN cDNA 9530059O14 gene [Source:MGI Symbol;Acc:MGI:9530059]	1.046169516	0.004182724
Gm48804	predicted gene, 48804 [Source:MGI Symbol;Acc:MGI:60985]	1.481975662	0.004338294
Gm7173	predicted gene 7173 [Source:MGI Symbol;Acc:MGI:364506]	0.461070371	0.004355851
Mknk1	MAP kinase-interacting serine/threonine kinase 1 [Source:MGI Symbol;Acc:MGI:130553]	0.130553003	0.004600693
Gm40603	predicted gene, 40603 [Source:MGI Symbol;Acc:MGI:56234]	1.444725872	0.004765694
Zkscan7	zinc finger with KRAB and SCAN domains 7 [Source:MGI Symbol;Acc:MGI:102600]	0.426008257	0.004766289
Gm43612	predicted gene 43612 [Source:MGI Symbol;Acc:MGI:566374]	2.784035875	0.004786278
Rheb	Ras homolog enriched in brain [Source:MGI Symbol;Acc:MGI:101721]	0.172151777	0.004845927
Gm23935	predicted gene, 23935 [Source:MGI Symbol;Acc:MGI:54537]	0.423260548	0.004847629
Trib3	tribbles pseudokinase 3 [Source:MGI Symbol;Acc:MGI:1345]	0.720060204	0.004878603
Mir149	microRNA 149 [Source:MGI Symbol;Acc:MGI:2676834]	3.369785719	0.00491538
A830035O19Rik	RIKEN cDNA A830035O19 gene [Source:MGI Symbol;Acc:MGI:A830035]	0.679891456	0.004921437
Gm10584	predicted gene 10584 [Source:MGI Symbol;Acc:MGI:364180]	1.533761825	0.004985379
Gm10785	predicted gene 10785 [Source:MGI Symbol;Acc:MGI:364214]	0.685874201	0.005235229
Cd300e	CD300E molecule [Source:MGI Symbol;Acc:MGI:2387602]	1.057039176	0.005242524
Gm26803	predicted gene, 26803 [Source:MGI Symbol;Acc:MGI:54772]	1.287573768	0.005463576
Gm33756	predicted gene, 33756 [Source:MGI Symbol;Acc:MGI:55929]	3.84235614	0.005466025
Cyp27b1	cytochrome P450, family 27, subfamily b, polypeptide 1 [Source:MGI Symbol;Acc:MGI:16975]	1.697599782	0.005472166
Gm38245	predicted gene, 38245 [Source:MGI Symbol;Acc:MGI:56114]	3.617244276	0.005590818
Vps16	VSP16 CORVET/HOPS core subunit [Source:MGI Symbol;Acc:MGI:15352]	0.153525226	0.005736588
D9Wsu149	DNA segment, Chr 9, Wayne State University 149 [Source:MGI Symbol;Acc:MGI:D9Wsu149]	3.537427866	0.005891779
Gm6214	predicted gene 6214 [Source:MGI Symbol;Acc:MGI:364385]	5.556631765	0.006032654
Lamr1-ps1	laminin receptor 1 (ribosomal protein SA), pseudogene 1 [Source:MGI Symbol;Acc:MGI:71589]	7.158979499	0.006033622
Gm34081	predicted gene, 34081 [Source:MGI Symbol;Acc:MGI:55932]	1.469465492	0.006201988
Mlx	MAX-like protein X [Source:MGI Symbol;Acc:MGI:108398]	0.301736808	0.006209499
Ccdc158	coiled-coil domain containing 158 [Source:MGI Symbol;Acc:MGI:05721]	0.572123092	0.006213051
BC060293	cDNA sequence BC060293 [Source:MGI Symbol;Acc:MGI:31245]	1.245761051	0.006385899
2410006H16Rik	RIKEN cDNA 2410006H16 gene [Source:MGI Symbol;Acc:MGI:2410006]	0.248602882	0.006533027
Hdh3	haloacid dehalogenase-like hydrolase domain containing 3 [Source:MGI Symbol;Acc:MGI:03571]	0.357109917	0.006615063
Gm8540	predicted gene 8540 [Source:MGI Symbol;Acc:MGI:364542]	1.142001676	0.006833654
Gm31326	predicted gene, 31326 [Source:MGI Symbol;Acc:MGI:55904]	3.19149839	0.007053393
Gm29156	predicted gene 29156 [Source:MGI Symbol;Acc:MGI:55798]	1.299514274	0.007098754
Cntn5	contactin 5 [Source:MGI Symbol;Acc:MGI:3042287]	0.320246287	0.00735167
Gm30504	predicted gene, 30504 [Source:MGI Symbol;Acc:MGI:55896]	1.008877906	0.007437433
H2-T10	histocompatibility 2, T region locus 10 [Source:MGI Symbol;Acc:MGI:06489]	0.648948243	0.00762277
Gm47558	predicted gene, 47558 [Source:MGI Symbol;Acc:MGI:60965]	3.19149839	0.007734911
C2cd4a	C2 calcium-dependent domain containing 4A [Source:MGI Symbol;Acc:MGI:07321]	0.732149105	0.00775796
Gm5432	predicted gene 5432 [Source:MGI Symbol;Acc:MGI:364905]	2.917555425	0.007898268
Bcat2	branched chain aminotransferase 2, mitochondrial [Source:MGI Symbol;Acc:MGI:01525]	0.152598083	0.007922497
Mx2	MX dynamin-like GTPase 2 [Source:MGI Symbol;Acc:MGI:91142]	1.142171831	0.007935471
Ppm1d	protein phosphatase 1D magnesium-dependent, delta isoform [Source:MGI Symbol;Acc:MGI:01298]	0.129874738	0.007982683
C230062I16Rik	RIKEN cDNA C230062I16 gene [Source:MGI Symbol;Acc:MGI:C230062]	0.593308321	0.008027558
Gm12941	predicted gene 12941 [Source:MGI Symbol;Acc:MGI:36505]	1.29585258	0.008249827
Hsd17b1	hydroxysteroid (17-beta) dehydrogenase 1 [Source:MGI Symbol;Acc:MGI:37836]	3.783623676	0.008327399
Rae1	ribonucleic acid export 1 [Source:MGI Symbol;Acc:MGI:19102]	0.203015696	0.008537723
5430431A17Rik	RIKEN cDNA 5430431A17 gene [Source:MGI Symbol;Acc:MGI:5430431]	2.5213148	0.008569624
Rala	v-ral simian leukemia viral oncogene A (ras related) [Source:MGI Symbol;Acc:MGI:00799]	0.079965718	0.008622326
Ccdc183	coiled-coil domain containing 183 [Source:MGI Symbol;Acc:MGI:05480]	0.548082573	0.008774608
1810010H24Rik	RIKEN cDNA 1810010H24 gene [Source:MGI Symbol;Acc:MGI:1810010]	0.492290753	0.008812811
Gm42611	predicted gene 42611 [Source:MGI Symbol;Acc:MGI:566274]	0.741280574	0.008820908

Vps11	VPS11, CORVET/HOPS core subunit [Source:MGI Symbol;Acc:MGI:191356]	0.16040919	0.009303101
A430073D23Rik	RIKEN cDNA A430073D23 gene [Source:MGI Symbol;Acc:MGI:191356]	2.649830075	0.009407346
Asb14	ankyrin repeat and SOCS box-containing 14 [Source:MGI Symbol;Acc:MGI:191356]	1.101660929	0.009525524
Cenpw	centromere protein W [Source:MGI Symbol;Acc:MGI:191356]	0.324360566	0.009552637
Gm25835	predicted gene, 25835 [Source:MGI Symbol;Acc:MGI:54556]	1.326243075	0.009989619
Cluap1	clusterin associated protein 1 [Source:MGI Symbol;Acc:MGI:56113]	0.298018419	0.010212741
Shcbp1	Shc SH2-domain binding protein 1 [Source:MGI Symbol;Acc:MGI:56113]	1.109012388	0.010213859
Gm38137	predicted gene, 38137 [Source:MGI Symbol;Acc:MGI:56113]	1.387521199	0.010215082
Gm6392	predicted gene 6392 [Source:MGI Symbol;Acc:MGI:3644256]	3.738596766	0.010532695
Mir6929	microRNA 6929 [Source:MGI Symbol;Acc:MGI:5530680]	3.385233171	0.01067983
Rad51ap1	RAD51 associated protein 1 [Source:MGI Symbol;Acc:MGI:56113]	0.653210588	0.010717377
Gm14044	predicted gene 14044 [Source:MGI Symbol;Acc:MGI:365046]	3.933668491	0.010815672
Ube2f	ubiquitin-conjugating enzyme E2F (putative) [Source:MGI Symbol;Acc:MGI:56113]	0.203090292	0.010942732
Mbd4	methyl-CpG binding domain protein 4 [Source:MGI Symbol;Acc:MGI:56113]	0.393484258	0.011076195
Cstf1	cleavage stimulation factor, 3' pre-RNA, subunit 1 [Source:MGI Symbol;Acc:MGI:56113]	0.172386106	0.01113921
Vwde	von Willebrand factor D and EGF domains [Source:MGI Symbol;Acc:MGI:56113]	3.335197572	0.011331558
AC154486.1	ribosomal protein L7A (Rpl7a) pseudogene [Source:MGI Symbol;Acc:MGI:56113]	3.335197572	0.011331558
Tnfaiip8l1	tumor necrosis factor, alpha-induced protein 8-like 1 [Source:MGI Symbol;Acc:MGI:2685916]	0.375373429	0.011363154
Gm1070	predicted gene 1070 [Source:MGI Symbol;Acc:MGI:2685916]	3.119785719	0.011414192
Gm11772	predicted gene 11772 [Source:MGI Symbol;Acc:MGI:364946]	0.516004186	0.011623215
Gm43511	predicted gene 43511 [Source:MGI Symbol;Acc:MGI:566364]	1.937263988	0.01166442
Zdhhc24	zinc finger, DHHC domain containing 24 [Source:MGI Symbol;Acc:MGI:566364]	0.112662256	0.011844373
CK137956	cDNA sequence CK137956 [Source:MGI Symbol;Acc:MGI:3646097]	0.39069639	0.011852579
Gm6263	predicted gene 6263 [Source:MGI Symbol;Acc:MGI:3646097]	1.033761824	0.011980428
A530076I17Rik	RIKEN cDNA A530076I17 gene [Source:MGI Symbol;Acc:MGI:131488]	0.801359156	0.01199009
Tor2a	torsin family 2, member A [Source:MGI Symbol;Acc:MGI:131488]	0.194561488	0.012174908
Psma4	proteasome (prosome, macropain) subunit, alpha type 4 [Source:MGI Symbol;Acc:MGI:131488]	0.232586088	0.012329563
1700027A07Rik	RIKEN cDNA 1700027A07 gene [Source:MGI Symbol;Acc:MGI:131488]	1.123735811	0.012526448
Mttp	microsomal triglyceride transfer protein [Source:MGI Symbol;Acc:MGI:2156841]	0.339516818	0.012594664
Recql5	RecQ protein-like 5 [Source:MGI Symbol;Acc:MGI:2156841]	0.301854494	0.01261644
Gm15996	predicted gene 15996 [Source:MGI Symbol;Acc:MGI:380210]	1.355112379	0.012639571
Gm43313	predicted gene 43313 [Source:MGI Symbol;Acc:MGI:566346]	3.933668491	0.012722542
Gm45799	predicted gene 45799 [Source:MGI Symbol;Acc:MGI:580497]	2.544196371	0.012763351
Gm47813	predicted gene, 47813 [Source:MGI Symbol;Acc:MGI:60969]	3.385233171	0.01288897
Gm9574	predicted gene 9574 [Source:MGI Symbol;Acc:MGI:3809526]	3.385233171	0.012918512
Gm572	predicted gene 572 [Source:MGI Symbol;Acc:MGI:2685418]	3.286762252	0.012983507
Trmt6	tRNA methyltransferase 6 [Source:MGI Symbol;Acc:MGI:191356]	0.212665551	0.013077545
Gucd1	guanylyl cyclase domain containing 1 [Source:MGI Symbol;Acc:MGI:365034]	0.21014939	0.013176458
Gm12089	predicted gene 12089 [Source:MGI Symbol;Acc:MGI:365034]	4.149956594	0.013182949
Gm30928	predicted gene, 30928 [Source:MGI Symbol;Acc:MGI:55900]	3.385233171	0.013241622
Srrd	SRR1 domain containing [Source:MGI Symbol;Acc:MGI:191356]	0.302248448	0.013541831
1700020G03Rik	RIKEN cDNA 1700020G03 gene [Source:MGI Symbol;Acc:MGI:56113]	3.473149313	0.013544496
Fpgs	folylpolyglutamyl synthetase [Source:MGI Symbol;Acc:MGI:56113]	0.333948583	0.013549766
Gm38139	predicted gene, 38139 [Source:MGI Symbol;Acc:MGI:56113]	2.988992546	0.013549828
1700020A23Rik	RIKEN cDNA 1700020A23 gene [Source:MGI Symbol;Acc:MGI:56113]	2.099520426	0.0137633
Jade3	jade family PHD finger 3 [Source:MGI Symbol;Acc:MGI:21488]	0.335393673	0.013810207
Ggnbp2	gametogenetin binding protein 2 [Source:MGI Symbol;Acc:MGI:56113]	0.130098093	0.013811549
Slc35b1	solute carrier family 35, member B1 [Source:MGI Symbol;Acc:MGI:56113]	0.145039556	0.013887311
1700021J08Rik	RIKEN cDNA 1700021J08 gene [Source:MGI Symbol;Acc:MGI:56113]	1.642001676	0.01390842
C130050O18Rik	RIKEN cDNA C130050O18 gene [Source:MGI Symbol;Acc:MGI:56113]	1.735600555	0.014320292
Vgf	VGF nerve growth factor inducible [Source:MGI Symbol;Acc:MGI:56113]	0.379564849	0.014366455
Fbxl15	F-box and leucine-rich repeat protein 15 [Source:MGI Symbol;Acc:MGI:56113]	0.224335992	0.01438683
Ubal2	UBA-like domain containing 2 [Source:MGI Symbol;Acc:MGI:56113]	0.110014113	0.014423409
Rnf139	ring finger protein 139 [Source:MGI Symbol;Acc:MGI:192309]	0.143678656	0.014594081

Usf1	upstream transcription factor 1 [Source:MGI Symbol;Acc:MG	0.113109261	0.01461587
A830005F24Rik	RIKEN cDNA A830005F24 gene [Source:MGI Symbol;Acc:M	0.693936233	0.014772127
Gm33366	predicted gene, 33366 [Source:MGI Symbol;Acc:MGI:55925	1.207760278	0.01479673
Ffar4	free fatty acid receptor 4 [Source:MGI Symbol;Acc:MGI:2147	1.349520426	0.014829609
Gm11508	predicted gene 11508 [Source:MGI Symbol;Acc:MGI:365092	2.356413949	0.014846393
2510046G10Rik	RIKEN cDNA 2510046G10 gene [Source:MGI Symbol;Acc:M	1.583679911	0.014848304
Tusc1	tumor suppressor candidate 1 [Source:MGI Symbol;Acc:MG	0.192628325	0.014866291
Gm42488	predicted gene 42488 [Source:MGI Symbol;Acc:MGI:566262	2.690832777	0.015064744
Spata1	spermatogenesis associated 1 [Source:MGI Symbol;Acc:MC	0.462434716	0.015074885
Gm48949	predicted gene, 48949 [Source:MGI Symbol;Acc:MGI:61182	1.783761824	0.015092124
Rpgrip1	retinitis pigmentosa GTPase regulator interacting protein 1 [I	0.819773417	0.015257909
Tnip3	TNFAIP3 interacting protein 3 [Source:MGI Symbol;Acc:MG	2.988992546	0.015294783
Gm48689	predicted gene, 48689 [Source:MGI Symbol;Acc:MGI:60983	2.410268839	0.015595134
Hmgcl	3-hydroxy-3-methylglutaryl-Coenzyme A lyase [Source:MGI :	0.193967863	0.015820638
Tmc8	transmembrane channel-like gene family 8 [Source:MGI Syr	0.811519652	0.015944645
Trpv3	transient receptor potential cation channel, subfamily V, mer	0.580565969	0.016051375
Snord58b	small nucleolar RNA, C/D box 58B [Source:MGI Symbol;Acc	1.737207122	0.016555707
Lyar	Ly1 antibody reactive clone [Source:MGI Symbol;Acc:MGI:10	0.289218061	0.016583297
Dctpp1	dCTP pyrophosphatase 1 [Source:MGI Symbol;Acc:MGI:197	0.410837197	0.016639181
Gm16618	predicted gene, 16618 [Source:MGI Symbol;Acc:MGI:44395	1.164893486	0.016795311
Zfp217	zinc finger protein 217 [Source:MGI Symbol;Acc:MGI:268540	0.236259734	0.016857307
Atp6v0c-ps2	ATPase, H+ transporting, lysosomal V0 subunit C, pseudoge	0.488110944	0.01692289
Tnfrsf4	tumor necrosis factor receptor superfamily, member 4 [Sour	1.268589843	0.01695864
Gm47350	predicted gene, 47350 [Source:MGI Symbol;Acc:MGI:60962	3.933668491	0.017166639
2300009A05Rik	RIKEN cDNA 2300009A05 gene [Source:MGI Symbol;Acc:M	0.449865622	0.017273703
Gm47547	predicted gene, 47547 [Source:MGI Symbol;Acc:MGI:60965	2.397680195	0.017451864
Pdcd5-ps	programmed cell death 5, pseudogene [Source:MGI Symbol	0.505116679	0.017499349
Ccdc189	coiled-coil domain containing 189 [Source:MGI Symbol;Acc:	0.32364003	0.017535104
Igfals	insulin-like growth factor binding protein, acid labile subunit [	3.488596765	0.017535463
Proscos	proline synthetase co-transcribed, opposite strand [Source:M	3.933668491	0.01769698
Gm9860	predicted gene 9860 [Source:MGI Symbol;Acc:MGI:3642597	3.933668491	0.01769698
Ecm1	extracellular matrix protein 1 [Source:MGI Symbol;Acc:MGI:	0.332851739	0.018040849
Gm27010	predicted gene, 27010 [Source:MGI Symbol;Acc:MGI:55041	1.241161324	0.018058598
Lars2	leucyl-tRNA synthetase, mitochondrial [Source:MGI Symbol;	0.383721647	0.018112169
Xlr4c	X-linked lymphocyte-regulated 4C [Source:MGI Symbol;Acc:	2.988992546	0.018152718
Gm6569	predicted gene 6569 [Source:MGI Symbol;Acc:MGI:3647277	1.027865249	0.018165184
Mad211bp	MAD2L1 binding protein [Source:MGI Symbol;Acc:MGI:1913	0.365967353	0.018229278
Hdgfl2	HDGF like 2 [Source:MGI Symbol;Acc:MGI:1194492]	0.185863302	0.018297778
Gimap4	GTPase, IMAP family member 4 [Source:MGI Symbol;Acc:M	1.922172551	0.018379766
Gm5075	predicted gene 5075 [Source:MGI Symbol;Acc:MGI:3645483	2.350186039	0.018416937
Lrif1	ligand dependent nuclear receptor interacting factor 1 [Sour	0.310735829	0.018424772
Ntm1	N-terminal Xaa-Pro-Lys N-methyltransferase 1 [Source:MGI	0.232065357	0.018441349
Smpd5	sphingomyelin phosphodiesterase 5 [Source:MGI Symbol;Ac	0.823729658	0.018474075
Mrnip	MRN complex interacting protein [Source:MGI Symbol;Acc:M	0.453430464	0.018500553
Gm7357	predicted gene 7357 [Source:MGI Symbol;Acc:MGI:3643257	2.685544321	0.018743432
Phf7	PHD finger protein 7 [Source:MGI Symbol;Acc:MGI:1919088	0.480594352	0.018783958
C8b	complement component 8, beta polypeptide [Source:MGI Sy	2.786762252	0.018869167
Gm20735	predicted gene, 20735 [Source:MGI Symbol;Acc:MGI:54340	0.425443557	0.019047442
1700026N04Rik	RIKEN cDNA 1700026N04 gene [Source:MGI Symbol;Acc:M	2.885508722	0.019049496
Orc6	origin recognition complex, subunit 6 [Source:MGI Symbol;A	0.278412191	0.019091582
A230107N01Rik	RIKEN cDNA A230107N01 gene [Source:MGI Symbol;Acc:M	0.446282958	0.019136185
Rps2-ps10	ribosomal protein S2, pseudogene 10 [Source:MGI Symbol;u	0.645168279	0.019140424
Gcc1	golgi coiled coil 1 [Source:MGI Symbol;Acc:MGI:1921625]	0.116163702	0.019176569
Fcrla	Fc receptor-like A [Source:MGI Symbol;Acc:MGI:2138647]	3.585197572	0.019177905

Gm10012	predicted pseudogene 10012 [Source:MGI Symbol;Acc:MGI	1.551359156	0.019290716
Dcaf15	DDB1 and CUL4 associated factor 15 [Source:MGI Symbol;A	0.336215084	0.019437513
Ptges3l	prostaglandin E synthase 3 like [Source:MGI Symbol;Acc:M	0.780330583	0.019564216
Gm13687	predicted gene 13687 [Source:MGI Symbol;Acc:MGI:365182	0.919841953	0.019664163
Gm4660	predicted gene 4660 [Source:MGI Symbol;Acc:MGI:3782842	3.592356141	0.019732928
Gm5977	predicted gene 5977 [Source:MGI Symbol;Acc:MGI:3779547	0.598761911	0.019816272
Myot	myotilin [Source:MGI Symbol;Acc:MGI:1889800]	2.375074175	0.019877373
Gadd45b	growth arrest and DNA-damage-inducible 45 beta [Source:M	0.401774985	0.019909871
Fam24a	family with sequence similarity 24, member A [Source:MGI S	2.599794476	0.019913817
Gm10167	predicted pseudogene 10167 [Source:MGI Symbol;Acc:MGI	1.008094343	0.020018976
Ccl12	chemokine (C-C motif) ligand 12 [Source:MGI Symbol;Acc:M	1.568137705	0.020226238
Lat	linker for activation of T cells [Source:MGI Symbol;Acc:MGI:	1.228313969	0.020450542
Gm31763	predicted gene, 31763 [Source:MGI Symbol;Acc:MGI:55909	0.939133918	0.020488807
Coro1b	coronin, actin binding protein 1B [Source:MGI Symbol;Acc:M	0.212215385	0.020534255
Gm14303	predicted gene 14303 [Source:MGI Symbol;Acc:MGI:365137	0.381177468	0.020775155
Gm37623	predicted gene, 37623 [Source:MGI Symbol;Acc:MGI:56108	2.946115515	0.020776517
Pttg1	pituitary tumor-transforming gene 1 [Source:MGI Symbol;Ac	3.807955358	0.020822237
Tab1	TGF-beta activated kinase 1/MAP3K7 binding protein 1 [Sou	0.151001513	0.020855432
Ica1	islet cell autoantigen 1 [Source:MGI Symbol;Acc:MGI:96391	0.370526976	0.020924963
Zkscan5	zinc finger with KRAB and SCAN domains 5 [Source:MGI Sy	0.199892986	0.021088297
Gm5776	predicted gene 5776 [Source:MGI Symbol;Acc:MGI:3647650	1.051359156	0.021390698
Gm21178	predicted gene, 21178 [Source:MGI Symbol;Acc:MGI:54345	3.635233171	0.02165857
Ncf2	neutrophil cytosolic factor 2 [Source:MGI Symbol;Acc:MGI:9	0.407263684	0.021665292
Ino80dos	INO80 complex subunit D, opposite strand [Source:MGI Syn	0.609344195	0.02174667
Imp3	IMP3, U3 small nucleolar ribonucleoprotein [Source:MGI Syr	0.214697996	0.021861678
Gm26549	predicted gene, 26549 [Source:MGI Symbol;Acc:MGI:54770	0.641184748	0.021863021
Map7d3	MAP7 domain containing 3 [Source:MGI Symbol;Acc:MGI:24	3.488992546	0.022136746
4930512J16Rik	RIKEN cDNA 4930512J16 gene [Source:MGI Symbol;Acc:M	4.127678823	0.022154178
4930599N23Rik	RIKEN cDNA 4930599N23 gene [Source:MGI Symbol;Acc:M	0.846068976	0.022280147
Batf3	basic leucine zipper transcription factor, ATF-like 3 [Source:l	0.612643466	0.022481735
Sf3b1	splicing factor 3b, subunit 1 [Source:MGI Symbol;Acc:MGI:1	0.199875282	0.022616335
Surf2	surfeit gene 2 [Source:MGI Symbol;Acc:MGI:98444]	0.262482436	0.022661544
Nme6	NME/NM23 nucleoside diphosphate kinase 6 [Source:MGI S	0.602658918	0.022755265
Atp6v0c	ATPase, H+ transporting, lysosomal V0 subunit C [Source:M	0.164956235	0.022758489
Phkg2	phosphorylase kinase, gamma 2 (testis) [Source:MGI Symb	0.15384424	0.022790748
BC051226	cDNA sequence BC051226 [Source:MGI Symbol;Acc:MGI:3	0.410132874	0.022821529
Farsa	phenylalanyl-tRNA synthetase, alpha subunit [Source:MGI S	0.205817863	0.022954758
Zfp513	zinc finger protein 513 [Source:MGI Symbol;Acc:MGI:21412	0.184737301	0.023014942
Trim68	tripartite motif-containing 68 [Source:MGI Symbol;Acc:MGI:2	0.412153473	0.023031722
Manbal	mannosidase, beta A, lysosomal-like [Source:MGI Symbol;A	0.111992495	0.02322233
Ehbp1l1	EH domain binding protein 1-like 1 [Source:MGI Symbol;Acc	0.297643066	0.023267494
2810405F17Rik	RIKEN cDNA 2810405F17 gene [Source:MGI Symbol;Acc:M	0.783837588	0.023273245
Gm3045	predicted gene 3045 [Source:MGI Symbol;Acc:MGI:3781222	0.703279801	0.023302769
Gtf2f1	general transcription factor IIF, polypeptide 1 [Source:MGI S	0.117594943	0.02332303
2810032G03Rik	RIKEN cDNA 2810032G03 gene [Source:MGI Symbol;Acc:M	0.352055076	0.023327708
Crybg2	crystallin beta-gamma domain containing 2 [Source:MGI Syr	0.803262452	0.023353532
Fus	fused in sarcoma [Source:MGI Symbol;Acc:MGI:1353633]	0.174443502	0.023448418
Gm27651	predicted gene, 27651 [Source:MGI Symbol;Acc:MGI:55310	1.940832777	0.023644682
Ola1	Obg-like ATPase 1 [Source:MGI Symbol;Acc:MGI:1914309]	0.248927468	0.023791595
Snhg6	small nucleolar RNA host gene 6 [Source:MGI Symbol;Acc:M	0.38486773	0.023872462
Gm47720	predicted gene, 47720 [Source:MGI Symbol;Acc:MGI:60968	3.59235614	0.024035657
4930480K15Rik	RIKEN cDNA 4930480K15 gene [Source:MGI Symbol;Acc:M	3.198420838	0.024068023
Gm44822	predicted gene 44822 [Source:MGI Symbol;Acc:MGI:575332	3.198420838	0.024068023
Odf4	outer dense fiber of sperm tails 4 [Source:MGI Symbol;Acc:l	2.158780225	0.024081075

Gm38114	predicted gene, 38114 [Source:MGI Symbol;Acc:MGI:56113	3.229993472	0.024131325
Mettl13	methyltransferase like 13 [Source:MGI Symbol;Acc:MGI:191	0.236874536	0.024260964
CT571247.2	novel transcript, sense intronic to Dennd1c	3.216435591	0.024278258
Rpusd2	RNA pseudouridylate synthase domain containing 2 [Source	0.226919906	0.024307178
4931423N10Rik	RIKEN cDNA 4931423N10 gene [Source:MGI Symbol;Acc:M	1.745761051	0.024411906
Gm13341	predicted gene 13341 [Source:MGI Symbol;Acc:MGI:36502	0.477381563	0.024672237
Gm32754	predicted gene, 32754 [Source:MGI Symbol;Acc:MGI:55919	4.010482973	0.024729336
493340618Rik	RIKEN cDNA 493340618 gene [Source:MGI Symbol;Acc:M	1.05502085	0.024864025
Olf1r1417	olfactory receptor 1417 [Source:MGI Symbol;Acc:MGI:3031	1.068956488	0.025086132
Pfn1	profilin 1 [Source:MGI Symbol;Acc:MGI:97549]	0.14466779	0.025299058
Polr2g	polymerase (RNA) II (DNA directed) polypeptide G [Source:l	0.199712297	0.025324801
Reep6	receptor accessory protein 6 [Source:MGI Symbol;Acc:MGI:	0.152554854	0.025333867
Kcnmb4os1	potassium large conductance calcium-activated channel, sul	2.539303696	0.025356386
Wdr61	WD repeat domain 61 [Source:MGI Symbol;Acc:MGI:19174	0.195267426	0.025369179
Fam151b	family with sequence similarity 151, member B [Source:MGI	0.343182736	0.025417469
Rfc3	replication factor C (activator 1) 3 [Source:MGI Symbol;Acc:l	0.501493281	0.025550147
Gm29491	predicted gene 29491 [Source:MGI Symbol;Acc:MGI:55801	3.683668491	0.025625111
Med26	mediator complex subunit 26 [Source:MGI Symbol;Acc:MGI:	0.351911584	0.025689589
Fubp3	far upstream element (FUSE) binding protein 3 [Source:MGI	0.249842339	0.025868782
Ppwd1	peptidylprolyl isomerase domain and WD repeat containing	0.235746654	0.026056342
Fndc7	fibronectin type III domain containing 7 [Source:MGI Symbol	3.076908688	0.026064963
Cwc22	CWC22 spliceosome-associated protein [Source:MGI Symb	0.168936228	0.026141811
C4a	complement component 4A (Rodgers blood group) [Source:	0.995828021	0.026197388
Gm15590	predicted gene 15590 [Source:MGI Symbol;Acc:MGI:38314	1.533761824	0.02623306
A730061H03Rik	RIKEN cDNA A730061H03 gene [Source:MGI Symbol;Acc:M	2.79392082	0.026293679
4933416E14Rik	RIKEN cDNA 4933416E14 gene [Source:MGI Symbol;Acc:M	2.64266729	0.026366427
Qpctl	glutaminy-peptide cyclotransferase-like [Source:MGI Symb	0.166410668	0.026393987
A930032L01Rik	RIKEN cDNA A930032L01 gene [Source:MGI Symbol;Acc:M	1.245761051	0.026692572
Adam7	a disintegrin and metallopeptidase domain 7 [Source:MGI S	2.294196371	0.026814303
Gm12295	predicted gene 12295 [Source:MGI Symbol;Acc:MGI:36505	3.849920995	0.026872773
Gm17931	predicted gene, 17931 [Source:MGI Symbol;Acc:MGI:50101	1.485600555	0.02696074
Smarb1	SWI/SNF related, matrix associated, actin dependent regula	0.133292601	0.027237951
Gm46526	predicted gene, 46526 [Source:MGI Symbol;Acc:MGI:58261	2.642671507	0.027324528
Arpc5l	actin related protein 2/3 complex, subunit 5-like [Source:MG	0.253179987	0.027340938
Gm15538	predicted gene 15538 [Source:MGI Symbol;Acc:MGI:37829	1.43000245	0.027660133
Gm42865	predicted gene 42865 [Source:MGI Symbol;Acc:MGI:56630	1.364243848	0.027884314
BC049987	cDNA sequence BC049987 [Source:MGI Symbol;Acc:MGI:3	3.758916841	0.027987423
Zfp64	zinc finger protein 64 [Source:MGI Symbol;Acc:MGI:10734	0.129844897	0.028062432
4932441J04Rik	RIKEN cDNA 4932441J04 gene [Source:MGI Symbol;Acc:M	0.317833292	0.028113821
G530011O06Rik	RIKEN cDNA G530011O06 gene [Source:MGI Symbol;Acc:l	1.068311148	0.02811608
Dmrtc1a	DMRT-like family C1a [Source:MGI Symbol;Acc:MGI:19181	0.49064572	0.028429737
Trem2	triggering receptor expressed on myeloid cells-like 2 [Source	1.947599782	0.028479254
Abcb1b	ATP-binding cassette, sub-family B (MDR/TAP), member 1E	0.362486144	0.02848258
Sars2	seryl-aminoacyl-tRNA synthetase 2 [Source:MGI Symbol;Ac	0.273842202	0.028610067
Ccnc	cyclin C [Source:MGI Symbol;Acc:MGI:1858199]	0.154492099	0.028743722
Ddias	DNA damage-induced apoptosis suppressor [Source:MGI S	1.395601521	0.029036687
4930461C15Rik	RIKEN cDNA 4930461C15 gene [Source:MGI Symbol;Acc:M	2.132232743	0.029186086
Tgds	TDP-glucose 4,6-dehydratase [Source:MGI Symbol;Acc:MG	0.743652421	0.029357534
Lpar6	lysophosphatidic acid receptor 6 [Source:MGI Symbol;Acc:M	0.530086672	0.02940349
Gm6712	predicted gene 6712 [Source:MGI Symbol;Acc:MGI:364588	0.469873214	0.029547187
Gm37805	predicted gene, 37805 [Source:MGI Symbol;Acc:MGI:56110	0.356689126	0.029622112
Ifrd2	interferon-related developmental regulator 2 [Source:MGI S	0.28159837	0.02965017
Gm45201	predicted gene 45201 [Source:MGI Symbol;Acc:MGI:57537	1.298485247	0.02982792
Flt3l	FMS-like tyrosine kinase 3 ligand [Source:MGI Symbol;Acc:l	0.494107744	0.029913132

Slc38a4	solute carrier family 38, member 4 [Source:MGI Symbol;Acc	0.753408131	0.029927758
Gm20033	predicted gene, 20033 [Source:MGI Symbol;Acc:MGI:50122	0.457459952	0.029951968
Ppan	peter pan homolog [Source:MGI Symbol;Acc:MGI:2178445]	0.270435184	0.029962323
Mepce	methylphosphate capping enzyme [Source:MGI Symbol;Acc	0.100160206	0.03007333
Gm8249	predicted gene 8249 [Source:MGI Symbol;Acc:MGI:3647617	3.362676216	0.030188408
Gm44187	predicted gene, 44187 [Source:MGI Symbol;Acc:MGI:56905	3.362676216	0.030188408
Rps12-ps9	ribosomal protein S12, pseudogene 9 [Source:MGI Symbol;A	1.385007783	0.030291013
Gm45112	predicted gene 45112 [Source:MGI Symbol;Acc:MGI:575368	0.735600555	0.030411299
Clp1	CLP1, cleavage and polyadenylation factor I subunit [Source	0.208247133	0.030467913
Gm43566	predicted gene 43566 [Source:MGI Symbol;Acc:MGI:566370	0.424495873	0.030528716
Cam1	calcium modulating ligand [Source:MGI Symbol;Acc:MGI:10	0.151973704	0.030550288
BC002059	cDNA sequence BC002059 [Source:MGI Symbol;Acc:MGI:2	0.318565024	0.030995231
Fcor	Foxo1 corepressor [Source:MGI Symbol;Acc:MGI:1915484]	0.439430647	0.031111479
Phf19	PHD finger protein 19 [Source:MGI Symbol;Acc:MGI:192126	0.34880142	0.031378163
Gm49200	predicted gene, 49200 [Source:MGI Symbol;Acc:MGI:61186	4.36790989	0.031543659
ler5l	immediate early response 5-like [Source:MGI Symbol;Acc:M	0.315045732	0.031592329
Kcnk7	potassium channel, subfamily K, member 7 [Source:MGI Sy	1.245761051	0.031934485
Catspere2	catsper channel auxiliary subunit epsilon 2 [Source:MGI Syn	0.409599472	0.032187381
Hnrnpdl	heterogeneous nuclear ribonucleoprotein D-like [Source:MG	0.313519606	0.032296217
Gm17091	predicted gene 17091 [Source:MGI Symbol;Acc:MGI:493797	2.203553851	0.032418753
Tkfc	triokinase, FMN cyclase [Source:MGI Symbol;Acc:MGI:2385	0.118669344	0.032494951
Clmp	CXADR-like membrane protein [Source:MGI Symbol;Acc:MG	0.390806605	0.032651591
Gm42047	predicted gene, 42047 [Source:MGI Symbol;Acc:MGI:56249	0.73619371	0.032699195
Gm16861	predicted gene, 16861 [Source:MGI Symbol;Acc:MGI:44397	0.705775822	0.032705549
Ccn1	cyclin L1 [Source:MGI Symbol;Acc:MGI:1922664]	0.474711878	0.032783406
Pilrb2	paired immunoglobulin-like type 2 receptor beta 2 [Source:MG	2.446115515	0.032791022
Mterf1a	mitochondrial transcription termination factor 1a [Source:MG	0.296395008	0.032963772
Gm13509	predicted gene 13509 [Source:MGI Symbol;Acc:MGI:364964	0.284091895	0.033252132
Gm10775	predicted gene 10775 [Source:MGI Symbol;Acc:MGI:364232	0.963440297	0.033390659
Gm30906	predicted gene, 30906 [Source:MGI Symbol;Acc:MGI:55900	1.180002449	0.033420122
Mak16	MAK16 homolog [Source:MGI Symbol;Acc:MGI:1915170]	0.452583251	0.033493315
Npw	neuropeptide W [Source:MGI Symbol;Acc:MGI:2685781]	1.947991345	0.033509175
Gm14287	predicted gene 14287 [Source:MGI Symbol;Acc:MGI:365018	1.841690527	0.033523878
C8g	complement component 8, gamma polypeptide [Source:MGI	0.36181927	0.033552289
Gem	GTP binding protein (gene overexpressed in skeletal muscle	0.542340297	0.033609308
Dok2	docking protein 2 [Source:MGI Symbol;Acc:MGI:1332623]	0.701212897	0.033679396
Gm37107	predicted gene, 37107 [Source:MGI Symbol;Acc:MGI:56103	3.344661463	0.033715394
Rnase13	ribonuclease, RNase A family, 13 (non-active) [Source:MGI	3.086402071	0.033722236
Fancl	Fanconi anemia, complementation group L [Source:MGI Syr	0.299077431	0.033825866
Gm28229	predicted gene 28229 [Source:MGI Symbol;Acc:MGI:557893	0.744059659	0.033927637
Mcrip2	MAPK regulated corepressor interacting protein 2 [Source:M	0.350320214	0.033937162
AC122392.1	phosphoglycerate kinase 1 (Pgk1) pseudogene	2.738992546	0.033953046
Gm10250	predicted pseudogene 10250 [Source:MGI Symbol;Acc:MGI	0.542642303	0.034174879
Pak1ip1	PAK1 interacting protein 1 [Source:MGI Symbol;Acc:MGI:19	0.136396052	0.03428304
Fancg	Fanconi anemia, complementation group G [Source:MGI Sy	0.251024347	0.034307272
Gm13886	predicted gene 13886 [Source:MGI Symbol;Acc:MGI:364933	2.582197144	0.034453485
Rtp3	receptor transporter protein 3 [Source:MGI Symbol;Acc:MGI	2.351796824	0.034607088
Zswim3	zinc finger SWIM-type containing 3 [Source:MGI Symbol;Acc	0.405105646	0.034752266
B4galnt4	beta-1,4-N-acetyl-galactosaminyl transferase 4 [Source:MGI	0.159117822	0.034984021
Gm37284	predicted gene, 37284 [Source:MGI Symbol;Acc:MGI:56105	2.230312099	0.035367
Gm34961	predicted gene, 34961 [Source:MGI Symbol;Acc:MGI:55941	2.743885221	0.03543412
Eif2a	eukaryotic translation initiation factor 2A [Source:MGI Symb	0.170601	0.035486017
Rpl10a-ps2	ribosomal protein L10A, pseudogene 2 [Source:MGI Symbol	3.231438197	0.035520309
Gm35405	predicted gene, 35405 [Source:MGI Symbol;Acc:MGI:55945	3.983312527	0.035559442

Larp7	La ribonucleoprotein domain family, member 7 [Source:MGI	0.171368449	0.035596186
T	brachyury, T-box transcription factor T [Source:MGI Symbol;	3.446115515	0.035878627
Btg3	B cell translocation gene 3 [Source:MGI Symbol;Acc:MGI:10	0.414063187	0.03606573
Gm14176	predicted gene 14176 [Source:MGI Symbol;Acc:MGI:365002	0.616298975	0.036197132
1700120C14Rik	RIKEN cDNA 1700120C14 gene [Source:MGI Symbol;Acc:M	0.301607983	0.036477831
Nt5c3	5'-nucleotidase, cytosolic III [Source:MGI Symbol;Acc:MGI:1	0.196684535	0.036536802
Ccdc115	coiled-coil domain containing 115 [Source:MGI Symbol;Acc:	0.237772367	0.036571058
Ip6k2	inositol hexaphosphate kinase 2 [Source:MGI Symbol;Acc:V	0.1530491	0.036602079
Nanos2	nanos C2HC-type zinc finger 2 [Source:MGI Symbol;Acc:MC	1.568956489	0.036697304
Glb1l	galactosidase, beta 1-like [Source:MGI Symbol;Acc:MGI:192	0.195579767	0.036802847
Isg20l2	interferon stimulated exonuclease gene 20-like 2 [Source:M	0.190557549	0.036860645
Gm22572	predicted gene, 22572 [Source:MGI Symbol;Acc:MGI:54523	4.172838164	0.03720358
Tchh	trichohyalin [Source:MGI Symbol;Acc:MGI:2177944]	0.284376647	0.037226445
Insm2	insulinoma-associated 2 [Source:MGI Symbol;Acc:MGI:1930	1.014752852	0.037248543
Nppc	natriuretic peptide type C [Source:MGI Symbol;Acc:MGI:973	0.294581272	0.037405538
Gm20149	predicted gene, 20149 [Source:MGI Symbol;Acc:MGI:50123	3.281473796	0.03752476
Tpt1-ps3	tumor protein, translationally-controlled, pseudogene 3 [Sou	0.335103204	0.037544486
Zfp524	zinc finger protein 524 [Source:MGI Symbol;Acc:MGI:19167	0.679314118	0.038100581
Unc50	unc-50 homolog [Source:MGI Symbol;Acc:MGI:1914637]	0.171670862	0.038143131
Gm42822	predicted gene 42822 [Source:MGI Symbol;Acc:MGI:566295	2.696115515	0.03830041
Gm47854	predicted gene, 47854 [Source:MGI Symbol;Acc:MGI:60970	4.60345467	0.038363404
Gm42764	predicted gene 42764 [Source:MGI Symbol;Acc:MGI:566290	3.085197572	0.038619293
Gm5363	predicted gene 5363 [Source:MGI Symbol;Acc:MGI:3646008	3.238596766	0.038793254
Lin7b	lin-7 homolog B (C. elegans) [Source:MGI Symbol;Acc:MGI:	0.308970054	0.038793973
AC097366.1	novel transcript	3.683668491	0.038968394
Trpc7	transient receptor potential cation channel, subfamily C, mer	0.307760787	0.039026863
Cd101	CD101 antigen [Source:MGI Symbol;Acc:MGI:2685862]	2.126552724	0.039073607
Atp5d	ATP synthase, H+ transporting, mitochondrial F1 complex, c	0.120195535	0.039128785
Trna1ap	tRNA selenocysteine 1 associated protein 1 [Source:MGI Sy	0.254256928	0.039198084
Gm48134	predicted gene, 48134 [Source:MGI Symbol;Acc:MGI:60974	2.966435591	0.039276457
Gm44914	predicted gene 44914 [Source:MGI Symbol;Acc:MGI:575345	2.966435591	0.039276457
Ssrp1	structure specific recognition protein 1 [Source:MGI Symbol;	0.13616677	0.039445747
Cirbp	cold inducible RNA binding protein [Source:MGI Symbol;Acc	0.286983933	0.039450997
Ccdc116	coiled-coil domain containing 116 [Source:MGI Symbol;Acc:	0.415573992	0.039506985
Timm10	translocase of inner mitochondrial membrane 10 [Source:MC	0.279154579	0.039583778
Isoc2b	isochorismatase domain containing 2b [Source:MGI Symbol	0.292639955	0.039626232
mt-Tn	mitochondrially encoded tRNA asparagine [Source:MGI Syn	0.532847713	0.039677152
Gm14685	predicted gene 14685 [Source:MGI Symbol;Acc:MGI:371067	1.245761051	0.039705884
Lactb	lactamase, beta [Source:MGI Symbol;Acc:MGI:1933395]	0.358028459	0.039752971
Gm43582	predicted gene 43582 [Source:MGI Symbol;Acc:MGI:566377	2.649830075	0.039760587
Fcgr3	Fc receptor, IgG, low affinity III [Source:MGI Symbol;Acc:MC	0.182400283	0.039796194
Gm41414	predicted gene, 41414 [Source:MGI Symbol;Acc:MGI:56242	0.54585258	0.039856957
Dvl2	dishevelled segment polarity protein 2 [Source:MGI Symbol;	0.320631142	0.039867336
Gm12470	predicted gene 12470 [Source:MGI Symbol;Acc:MGI:365217	2.979993472	0.040003834
Nim1k	NIM1 serine/threonine protein kinase [Source:MGI Symbol;A	0.266216331	0.040216862
Paf1	Paf1, RNA polymerase II complex component [Source:MGI :	0.170644801	0.040295957
Ing3	inhibitor of growth family, member 3 [Source:MGI Symbol;Ac	0.08392062	0.040860289
Rarg	retinoic acid receptor, gamma [Source:MGI Symbol;Acc:MG	0.277442397	0.04086057
Mrpl37	mitochondrial ribosomal protein L37 [Source:MGI Symbol;Ac	0.114301127	0.040913017
Hsf2	heat shock factor 2 [Source:MGI Symbol;Acc:MGI:96239]	0.217224833	0.040971582
Mphosph6	M phase phosphoprotein 6 [Source:MGI Symbol;Acc:MGI:19	0.335806935	0.041155919
Dcaf10	DDB1 and CUL4 associated factor 10 [Source:MGI Symbol;	0.18771092	0.041220055
Nagpa	N-acetylglucosamine-1-phosphodiester alpha-N-acetylgluco	0.139411919	0.041242155
Gm13110	predicted gene 13110 [Source:MGI Symbol;Acc:MGI:365177	0.73757882	0.041362451



Mir5119	microRNA 5119 [Source:MGI Symbol;Acc:MGI:4950444]	1.690832777	0.041471151
Rpl29	ribosomal protein L29 [Source:MGI Symbol;Acc:MGI:99687]	0.706871435	0.041627865
Notum	notum palmitoleoyl-protein carboxylesterase [Source:MGI S]	0.439094435	0.041801599
1700030F04Rik	RIKEN cDNA 1700030F04 gene [Source:MGI Symbol;Acc:M]	3.027763178	0.041895662
Gm26790	predicted gene, 26790 [Source:MGI Symbol;Acc:MGI:54772	3.771980414	0.041952902
Sgo1	shugoshin 1 [Source:MGI Symbol;Acc:MGI:1919665]	2.147288632	0.042106051
Fkbp1	FK506 binding protein-like [Source:MGI Symbol;Acc:MGI:19	0.363148219	0.042243125
Tmem240	transmembrane protein 240 [Source:MGI Symbol;Acc:MGI:3	0.219196694	0.04236785
Gm9752	predicted gene 9752 [Source:MGI Symbol;Acc:MGI:3641896	1.700336977	0.042375239
Sf3b2	splicing factor 3b, subunit 2 [Source:MGI Symbol;Acc:MGI:2	0.090086345	0.04242489
Cnga2	cyclic nucleotide gated channel alpha 2 [Source:MGI Symbo	0.901493639	0.042570796
Traf3ip3	TRAF3 interacting protein 3 [Source:MGI Symbol;Acc:MGI:2	0.555463927	0.042590512
Mhrt	myosin heavy chain associated RNA transcript [Source:MGI	1.642001676	0.042657534
5033403F01Rik	RIKEN cDNA 5033403F01 gene [Source:MGI Symbol;Acc:M]	1.940436996	0.042693128
Alg5	asparagine-linked glycosylation 5 (dolichyl-phosphate beta-g	0.254815193	0.042821807
Gm7972	predicted gene 7972 [Source:MGI Symbol;Acc:MGI:3647337	1.414495464	0.042829141
Wdr53	WD repeat domain 53 [Source:MGI Symbol;Acc:MGI:191627	0.163999009	0.042877709
Gm31024	predicted gene, 31024 [Source:MGI Symbol;Acc:MGI:55901	0.45246025	0.04299023
Gm26891	predicted gene, 26891 [Source:MGI Symbol;Acc:MGI:54773	3.135508722	0.043075473
Gm27527	predicted gene, 27527 [Source:MGI Symbol;Acc:MGI:55309	2.960481521	0.043110886
Nlrp4f	NLR family, pyrin domain containing 4F [Source:MGI Symbo	1.695449901	0.043140532
Gm30332	predicted gene, 30332 [Source:MGI Symbol;Acc:MGI:55894	2.967433697	0.043146889
A830012C17Rik	RIKEN cDNA A830012C17 gene [Source:MGI Symbol;Acc:M]	2.746426665	0.043157959
Slc25a28	solute carrier family 25, member 28 [Source:MGI Symbol;Ac	0.216321618	0.04325172
Pdap1	PDGFA associated protein 1 [Source:MGI Symbol;Acc:MGI:	0.190276406	0.043262515
Gm9837	predicted gene 9837 [Source:MGI Symbol;Acc:MGI:3642517	2.966435591	0.043279562
Gm10964	predicted gene 10964 [Source:MGI Symbol;Acc:MGI:377917	2.966435591	0.043279562
Ctrb1	chymotrypsinogen B1 [Source:MGI Symbol;Acc:MGI:88559]	2.966435591	0.043279562
Slc7a6os	solute carrier family 7, member 6 opposite strand [Source:M	0.219644266	0.043409332
Era1	Era (G-protein)-like 1 (E. coli) [Source:MGI Symbol;Acc:MGI	0.151135725	0.043514766
Hmgb2	high mobility group box 2 [Source:MGI Symbol;Acc:MGI:961	0.333448388	0.043646761
Eif4e3	eukaryotic translation initiation factor 4E member 3 [Source:	0.199036727	0.043666167
Gm48510	predicted gene, 48510 [Source:MGI Symbol;Acc:MGI:60980	3.286762253	0.043797473
Gm4575	predicted gene 4575 [Source:MGI Symbol;Acc:MGI:3782758	2.979993472	0.04379968
4930592A05Rik	RIKEN cDNA 4930592A05 gene [Source:MGI Symbol;Acc:M]	2.979993472	0.04379968
Gnat1	guanine nucleotide binding protein, alpha transducing 1 [Sou	1.278081805	0.043935253
Gm10736	predicted gene 10736 [Source:MGI Symbol;Acc:MGI:370447	0.885082918	0.0439406
Gm43200	predicted gene 43200 [Source:MGI Symbol;Acc:MGI:566333	2.948420838	0.044121361
2900027M19Rik	RIKEN cDNA 2900027M19 gene [Source:MGI Symbol;Acc:M]	2.948420838	0.044121361
Gm24804	predicted gene, 24804 [Source:MGI Symbol;Acc:MGI:54545	2.948420838	0.044121361
D630033O11Rik	RIKEN cDNA D630033O11 gene [Source:MGI Symbol;Acc:l	1.703279801	0.044122328
Iqgap3	IQ motif containing GTPase activating protein 3 [Source:MG	0.740254475	0.044339724
Tgm6	transglutaminase 6 [Source:MGI Symbol;Acc:MGI:3044321]	1.610618956	0.044423114
Gnl3	guanine nucleotide binding protein-like 3 (nucleolar) [Source	0.302123097	0.044759634
Tbcc	tubulin-specific chaperone C [Source:MGI Symbol;Acc:MGI:	0.165716386	0.044787255
Miip	migration and invasion inhibitory protein [Source:MGI Symbo	0.452531246	0.044825825
Cdk10	cyclin-dependent kinase 10 [Source:MGI Symbol;Acc:MGI:2	0.185402057	0.044952384
Atn1	atrophin 1 [Source:MGI Symbol;Acc:MGI:104725]	0.237409605	0.044963721
Gm45309	predicted gene 45309 [Source:MGI Symbol;Acc:MGI:579114	1.076243075	0.04519276
Gm9996	predicted gene 9996 [Source:MGI Symbol;Acc:MGI:3642549	0.717889246	0.045269332
H2-DMA	histocompatibility 2, class II, locus DMA [Source:MGI Symbo	0.286539167	0.045273697
Gm38192	predicted gene, 38192 [Source:MGI Symbol;Acc:MGI:56114	0.616414004	0.045381368
Gm24993	predicted gene, 24993 [Source:MGI Symbol;Acc:MGI:54547	1.065788031	0.045430672
4930525C09Rik	RIKEN cDNA 4930525C09 gene [Source:MGI Symbol;Acc:M]	2.96643559	0.045460337

Nab2	Ngfi-A binding protein 2 [Source:MGI Symbol;Acc:MGI:1075	0.340963576	0.045467308
Gm48620	predicted gene, 48620 [Source:MGI Symbol;Acc:MGI:60982	2.967433697	0.045505971
Gm44984	predicted gene 44984 [Source:MGI Symbol;Acc:MGI:575356	2.967433697	0.045505971
Gm12987	predicted gene 12987 [Source:MGI Symbol;Acc:MGI:364975	2.967433697	0.045505971
A930041C12Rik	RIKEN cDNA A930041C12 gene [Source:MGI Symbol;Acc:M	2.696115515	0.045513381
NlrX1	NLR family member X1 [Source:MGI Symbol;Acc:MGI:24290	0.354905764	0.045562039
Gm46123	predicted gene, 46123 [Source:MGI Symbol;Acc:MGI:58257	0.773601328	0.045675577
2610028H24Rik	RIKEN cDNA 2610028H24 gene [Source:MGI Symbol;Acc:M	2.190436996	0.045879155
Spr-ps1	sepiapterin reductase pseudogene 1 [Source:MGI Symbol;A	3.087739015	0.045940042
Colgalt1	collagen beta(1-O)galactosyltransferase 1 [Source:MGI Sym	0.098292232	0.045993466
E430014B02Rik	RIKEN cDNA E430014B02 gene [Source:MGI Symbol;Acc:M	2.924003803	0.046062993
Gm43857	predicted gene 43857 [Source:MGI Symbol;Acc:MGI:566396	0.717768943	0.046080928
Gm9870	predicted gene 9870 [Source:MGI Symbol;Acc:MGI:3708720	0.34223384	0.046104961
Gm12709	predicted gene 12709 [Source:MGI Symbol;Acc:MGI:365194	0.531438669	0.046114656
C330013E15Rik	RIKEN cDNA C330013E15 gene [Source:MGI Symbol;Acc:M	0.712058877	0.046205925
Gm9385	predicted pseudogene 9385 [Source:MGI Symbol;Acc:MGI:3	0.649657484	0.046327776
Mir491	microRNA 491 [Source:MGI Symbol;Acc:MGI:3629651]	3.14472292	0.046360793
Lca5	Leber congenital amaurosis 5 (human) [Source:MGI Symbol	0.319396315	0.046435433
Phf11d	PHD finger protein 11D [Source:MGI Symbol;Acc:MGI:1277	0.561519652	0.046538665
Gm45704	predicted gene 45704 [Source:MGI Symbol;Acc:MGI:580487	2.869785719	0.046648755
Klb	klotho beta [Source:MGI Symbol;Acc:MGI:1932466]	0.895626569	0.046983338
Gm47062	predicted gene, 47062 [Source:MGI Symbol;Acc:MGI:60957	2.69149839	0.047038636
Rad21l	RAD21-like (S. pombe) [Source:MGI Symbol;Acc:MGI:36520	1.200766384	0.04712651
Gm26888	predicted gene, 26888 [Source:MGI Symbol;Acc:MGI:54773	1.155118531	0.047215393
Fabp4	fatty acid binding protein 4, adipocyte [Source:MGI Symbol;A	1.647955745	0.047394834
Vtcn1	V-set domain containing T cell activation inhibitor 1 [Source:	2.94177081	0.047560844
Ltb4r1	leukotriene B4 receptor 1 [Source:MGI Symbol;Acc:MGI:130	1.245761051	0.047572367
Gm15614	predicted gene 15614 [Source:MGI Symbol;Acc:MGI:378306	2.140521627	0.047619905
3000002C10Rik	RIKEN cDNA 3000002C10 gene [Source:MGI Symbol;Acc:M	0.680191752	0.047680736
2010315B03Rik	RIKEN cDNA 2010315B03 gene [Source:MGI Symbol;Acc:M	0.459891789	0.047691861
Gm13689	predicted gene 13689 [Source:MGI Symbol;Acc:MGI:365206	2.424713994	0.047704013
Gm5134	predicted gene 5134 [Source:MGI Symbol;Acc:MGI:3646667	1.917555425	0.047779971
Stx19	syntaxin 19 [Source:MGI Symbol;Acc:MGI:1915409]	2.489268096	0.047832761
Utp20	UTP20 small subunit processome component [Source:MGI :	0.208384363	0.047916542
Gm8860	predicted gene 8860 [Source:MGI Symbol;Acc:MGI:3648010	1.528081805	0.047986
Cdk9	cyclin-dependent kinase 9 (CDC2-related kinase) [Source:M	0.258653753	0.048035994
Gm48732	predicted gene, 48732 [Source:MGI Symbol;Acc:MGI:60983	1.278081805	0.048075362
Kat5	K(lysine) acetyltransferase 5 [Source:MGI Symbol;Acc:MGI:	0.11773942	0.048201798
Cox10	heme A:farnesyltransferase cytochrome c oxidase assembly	0.146248548	0.048294245
Gm23318	predicted gene, 23318 [Source:MGI Symbol;Acc:MGI:54530	2.640521627	0.048352157
Chmp4c	charged multivesicular body protein 4C [Source:MGI Symbo	0.693877819	0.048455672
Gm5086	predicted gene 5086 [Source:MGI Symbol;Acc:MGI:3644417	1.074016686	0.048471945
Ankzf1	ankyrin repeat and zinc finger domain containing 1 [Source:f	0.160789806	0.048624293
AU040972	expressed sequence AU040972 [Source:MGI Symbol;Acc:M	1.142001676	0.048644549
Mrps26	mitochondrial ribosomal protein S26 [Source:MGI Symbol;A	0.15377578	0.048670852
Gm19801	predicted gene, 19801 [Source:MGI Symbol;Acc:MGI:50119	2.717433697	0.048891624
Gm43293	predicted gene 43293 [Source:MGI Symbol;Acc:MGI:566343	2.717433697	0.048891624
Gm8688	predicted gene 8688 [Source:MGI Symbol;Acc:MGI:3646820	2.717433697	0.048891624
Gm12923	predicted gene 12923 [Source:MGI Symbol;Acc:MGI:365153	2.717433697	0.048891624
Gm26856	predicted gene, 26856 [Source:MGI Symbol;Acc:MGI:54773	2.716435591	0.049020561
Gm17141	predicted gene 17141 [Source:MGI Symbol;Acc:MGI:493796	2.716435591	0.049020561
Gm5791	predicted gene 5791 [Source:MGI Symbol;Acc:MGI:3648515	2.716435591	0.049020561
Msantd1	Myb/SANT-like DNA-binding domain containing 1 [Source:M	0.644491957	0.04902189
4930453N24Rik	RIKEN cDNA 4930453N24 gene [Source:MGI Symbol;Acc:M	0.168431259	0.049047297

Map4k1	mitogen-activated protein kinase kinase kinase 1 [Source:MGI Symbol;Acc:MGI:103224]	0.613074408	0.04927456
Fdx1	ferredoxin 1 [Source:MGI Symbol;Acc:MGI:103224]	0.312537408	0.04936451
Ifi30	interferon gamma inducible protein 30 [Source:MGI Symbol;Acc:MGI:36506]	0.585149782	0.049486354
Gm14038	predicted gene 14038 [Source:MGI Symbol;Acc:MGI:36506]	3.694156346	0.049631027
Tmprss4	transmembrane protease, serine 4 [Source:MGI Symbol;Acc:MGI:103224]	2.248037449	0.049715888
Sohlh1	spermatogenesis and oogenesis specific basic helix-loop-helix 1 [Source:MGI Symbol;Acc:MGI:378116]	3.56947457	0.049744257
Gm2986	predicted gene 2986 [Source:MGI Symbol;Acc:MGI:378116]	1.349520426	0.049771465
1700025F24Rik	RIKEN cDNA 1700025F24 gene [Source:MGI Symbol;Acc:MGI:103224]	0.940162946	0.04983337
Mis12	MIS12 kinetochore complex component [Source:MGI Symbol;Acc:MGI:103157]	-0.21001636	6.49014E-05
Dnase1	deoxyribonuclease I [Source:MGI Symbol;Acc:MGI:103157]	-0.50627078	0.000137744
Prdm16	PR domain containing 16 [Source:MGI Symbol;Acc:MGI:1913507]	-0.41588852	0.00054653
Nat8f3	N-acetyltransferase 8 (GCN5-related) family member 3 [Source:MGI Symbol;Acc:MGI:110176]	-0.73788919	0.000554016
Bicd1	BICD cargo adaptor 1 [Source:MGI Symbol;Acc:MGI:110176]	-0.27618413	0.001003819
Gm9299	predicted gene 9299 [Source:MGI Symbol;Acc:MGI:364809]	-0.72528158	0.001048705
Gm8094	predicted gene 8094 [Source:MGI Symbol;Acc:MGI:364575]	-3.58414807	0.001174092
Pgc	progastricsin (pepsinogen C) [Source:MGI Symbol;Acc:MGI:60970]	-3.58414807	0.001174092
Gm47856	predicted gene, 47856 [Source:MGI Symbol;Acc:MGI:60970]	-2.41019373	0.001258139
Tceanc2	transcription elongation factor A (SII) N-terminal and central domain [Source:MGI Symbol;Acc:MGI:1913507]	-0.25652357	0.001298924
Mtbp	Mdm2, transformed 3T3 cell double minute p53 binding protein 2 [Source:MGI Symbol;Acc:MGI:921284]	-0.35581517	0.001524939
Prrx1	paired related homeobox 1 [Source:MGI Symbol;Acc:MGI:921284]	-0.35266136	0.001746173
Gm9803	predicted gene 9803 [Source:MGI Symbol;Acc:MGI:370435]	-0.62559566	0.001932864
Pgghg	protein glucosylgalactosylhydroxylysine glucosidase [Source:MGI Symbol;Acc:MGI:1913507]	-0.5051452	0.002005718
Nicn1	nicotinic acetylcholine receptor common subunit 1 [Source:MGI Symbol;Acc:MGI:1913507]	-0.11694511	0.002050949
Gm21284	predicted gene, 21284 [Source:MGI Symbol;Acc:MGI:54346]	-4.29812073	0.002326418
Tubgcp4	tubulin, gamma complex associated protein 4 [Source:MGI Symbol;Acc:MGI:1913507]	-0.1418544	0.002488145
Bcl2	B cell leukemia/lymphoma 2 [Source:MGI Symbol;Acc:MGI:1913507]	-0.22465608	0.002554866
Rab30	RAB30, member RAS oncogene family [Source:MGI Symbol;Acc:MGI:88253]	-0.21276849	0.002569196
Car8	carbonic anhydrase 8 [Source:MGI Symbol;Acc:MGI:88253]	-0.47764893	0.002590483
Gm6483	predicted gene 6483 [Source:MGI Symbol;Acc:MGI:364457]	-0.43029732	0.002853893
Gm31577	predicted gene, 31577 [Source:MGI Symbol;Acc:MGI:55907]	-2.59343702	0.002904321
Gm29508	predicted gene 29508 [Source:MGI Symbol;Acc:MGI:55802]	-1.16257033	0.003177278
Acmsd	amino carboxymuconate semialdehyde decarboxylase [Source:MGI Symbol;Acc:MGI:19216]	-3.07138749	0.003649967
Ssmem1	serine-rich single-pass membrane protein 1 [Source:MGI Symbol;Acc:MGI:19216]	-0.80415704	0.003691236
Zfp558	zinc finger protein 558 [Source:MGI Symbol;Acc:MGI:19216]	-0.33115567	0.003980234
Wnk3	WNK lysine deficient protein kinase 3 [Source:MGI Symbol;Acc:MGI:1913507]	-0.28380811	0.004007137
Hist1h4n	histone cluster 1, H4n [Source:MGI Symbol;Acc:MGI:48439]	-3.83414807	0.004029425
Abcb7	ATP-binding cassette, sub-family B (MDR/TAP), member 7 [Source:MGI Symbol;Acc:MGI:1913507]	-0.21411751	0.004041293
C030037D09Rik	RIKEN cDNA C030037D09 gene [Source:MGI Symbol;Acc:MGI:1913507]	-0.33030501	0.00405018
Dhx58os	DEAH (Asp-Glu-Ala-His) box polypeptide 58, opposite strand [Source:MGI Symbol;Acc:MGI:55947]	-3.82868467	0.004193234
Gm35638	predicted gene, 35638 [Source:MGI Symbol;Acc:MGI:55947]	-3.83414807	0.004197497
4930407G08Rik	RIKEN cDNA 4930407G08 gene [Source:MGI Symbol;Acc:MGI:55947]	-3.83414807	0.004197497
Tnip1	TNFAIP3 interacting protein 1 [Source:MGI Symbol;Acc:MGI:55911]	-0.31511768	0.004342004
Gm31946	predicted gene, 31946 [Source:MGI Symbol;Acc:MGI:55911]	-2.24206013	0.004464358
Rab5b	RAB5B, member RAS oncogene family [Source:MGI Symbol;Acc:MGI:88253]	-0.13599831	0.004470205
Tex13c2	TEX13 family member C2 [Source:MGI Symbol;Acc:MGI:56113]	-3.58414807	0.004639935
Cbx5	chromobox 5 [Source:MGI Symbol;Acc:MGI:109372]	-0.11045352	0.004704247
Nr6a1	nuclear receptor subfamily 6, group A, member 1 [Source:MGI Symbol;Acc:MGI:109372]	-0.33445157	0.004745991
Gm5815	predicted pseudogene 5815 [Source:MGI Symbol;Acc:MGI:109372]	-4.68749557	0.004778415
Elovl6	ELOVL family member 6, elongation of long chain fatty acids [Source:MGI Symbol;Acc:MGI:2671945]	-0.51556159	0.004796792
Txlnb	taxilin beta [Source:MGI Symbol;Acc:MGI:2671945]	-1.01226754	0.005107605
AC117232.1	novel transcript	-1.18280033	0.005136636
Lrch3	leucine-rich repeats and calponin homology (CH) domain containing 3 [Source:MGI Symbol;Acc:MGI:60981]	-0.38243448	0.00518631
Gm48565	predicted gene, 48565 [Source:MGI Symbol;Acc:MGI:60981]	-3.58414807	0.005223607
Gm38079	predicted gene, 38079 [Source:MGI Symbol;Acc:MGI:56113]	-3.58414807	0.005223607

Fam198a	family with sequence similarity 198, member A [Source:MGI	-0.42710694	0.005259755
Cd93	CD93 antigen [Source:MGI Symbol;Acc:MGI:106664]	-0.62753094	0.00529368
Mgat4a	mannoside acetylglucosaminyltransferase 4, isoenzyme A [S	-0.17977478	0.005380361
Gm45629	predicted gene 45629 [Source:MGI Symbol;Acc:MGI:579146]	-0.49576194	0.005383984
Mir874	microRNA 874 [Source:MGI Symbol;Acc:MGI:3718564]	-3.58414807	0.005565334
Eci3	enoyl-Coenzyme A delta isomerase 3 [Source:MGI Symbol;A	-3.58414807	0.005565334
Gabpa	GA repeat binding protein, alpha [Source:MGI Symbol;Acc:M	-0.27068821	0.005604182
Gm28187	predicted gene 28187 [Source:MGI Symbol;Acc:MGI:557886]	-4.62662932	0.005939348
Smad5	SMAD family member 5 [Source:MGI Symbol;Acc:MGI:1328	-0.19681633	0.006292428
Hopxos	HOP homeobox, opposite strand [Source:MGI Symbol;Acc:M	-3.4229543	0.00634735
Uprt	uracil phosphoribosyltransferase [Source:MGI Symbol;Acc:M	-0.69656959	0.006622858
Mc5r	melanocortin 5 receptor [Source:MGI Symbol;Acc:MGI:9942	-2.04765823	0.00671663
Plpp3	phospholipid phosphatase 3 [Source:MGI Symbol;Acc:MGI:1	-0.23821903	0.007074756
Crb3	crumbs family member 3 [Source:MGI Symbol;Acc:MGI:267	-0.88086392	0.007220985
Agps	alkylglycerone phosphate synthase [Source:MGI Symbol;Acc	-0.206066	0.007439316
Cab39l	calcium binding protein 39-like [Source:MGI Symbol;Acc:MG	-0.3753531	0.007513838
Marf1	meiosis regulator and mRNA stability 1 [Source:MGI Symbo	-0.25223034	0.007537086
Gm38562	predicted gene, 38562 [Source:MGI Symbol;Acc:MGI:56214	-0.70039766	0.007619107
Bmpr1b	bone morphogenetic protein receptor, type 1B [Source:MGI	-0.43371263	0.007629268
Gm15631	predicted gene 15631 [Source:MGI Symbol;Acc:MGI:378307	-0.46049033	0.007976143
Hpgd	hydroxyprostaglandin dehydrogenase 15 (NAD) [Source:MG	-0.3348527	0.008002379
Rpl36-ps2	ribosomal protein L36, pseudogene 2 [Source:MGI Symbol;A	-2.50039522	0.008074775
Gm48860	predicted gene, 48860 [Source:MGI Symbol;Acc:MGI:60986	-3.98038869	0.008119509
Mypop	Myb-related transcription factor, partner of profilin [Source:M	-0.10183582	0.008258579
Gnptab	N-acetylglucosamine-1-phosphate transferase, alpha and be	-0.21538265	0.008498072
4833439L19Rik	RIKEN cDNA 4833439L19 gene [Source:MGI Symbol;Acc:M	-0.10811321	0.008515304
Rab8b	RAB8B, member RAS oncogene family [Source:MGI Symbc	-0.28632607	0.008582618
Nt5c1a	5'-nucleotidase, cytosolic IA [Source:MGI Symbol;Acc:MGI:2	-0.86777728	0.008826282
Atic	5-aminoimidazole-4-carboxamide ribonucleotide formyltrans	-0.10823729	0.00894045
Sos2	SOS Ras/Rho guanine nucleotide exchange factor 2 [Source	-0.2489019	0.009043833
Zfp862-ps	zinc finger protein 862, pseudogene [Source:MGI Symbol;Ac	-0.21789548	0.009067001
Gm38293	predicted gene, 38293 [Source:MGI Symbol;Acc:MGI:56115	-2.59443512	0.009110345
Zfp970	zinc finger protein 970 [Source:MGI Symbol;Acc:MGI:36522	-0.50035557	0.009404095
Map1lc3b	microtubule-associated protein 1 light chain 3 beta [Source:M	-0.10542868	0.009437725
Dcaf1	DDB1 and CUL4 associated factor 1 [Source:MGI Symbol;A	-0.25597724	0.009561384
Fendrr	Foxf1 adjacent non-coding developmental regulatory RNA [S	-0.95312132	0.010085127
Pdxk	pyridoxal (pyridoxine, vitamin B6) kinase [Source:MGI Symb	-0.23028002	0.010100737
Srrm4os	serine/arginine repetitive matrix 4, opposite strand [Source:M	-1.12623914	0.010110612
Gca	granulocalcin [Source:MGI Symbol;Acc:MGI:1918521]	-0.22068843	0.010126436
Fer1l5	fer-1-like 5 (C. elegans) [Source:MGI Symbol;Acc:MGI:3616	-0.36295667	0.010378259
Spata3	spermatogenesis associated 3 [Source:MGI Symbol;Acc:MG	-0.52569004	0.010473804
Ndc1	NDC1 transmembrane nucleoporin [Source:MGI Symbol;Acc	-0.24120022	0.010549341
Tyrp1	tyrosinase-related protein 1 [Source:MGI Symbol;Acc:MGI:9	-2.56829432	0.010658954
Tep1	telomerase associated protein 1 [Source:MGI Symbol;Acc:M	-0.30201181	0.01077342
Gm4285	predicted gene 4285 [Source:MGI Symbol;Acc:MGI:3782463	-0.58038292	0.010805105
Celrr	cerebellum expressed regulatory RNA [Source:MGI Symbol;	-0.78910623	0.011021628
Zfp870	zinc finger protein 870 [Source:MGI Symbol;Acc:MGI:30295	-0.23272354	0.011082434
Gm9762	predicted pseudogene 9762 [Source:MGI Symbol;Acc:MGI:3	-0.22166549	0.011281242
Gm9083	predicted gene 9083 [Source:MGI Symbol;Acc:MGI:3644452	-4.48038869	0.011555648
Cggbp1	CGG triplet repeat binding protein 1 [Source:MGI Symbol;Ac	-0.15331741	0.011839615
H2-T24	histocompatibility 2, T region locus 24 [Source:MGI Symbol;A	-0.4659451	0.012025832
Stk24	serine/threonine kinase 24 [Source:MGI Symbol;Acc:MGI:23	-0.28033997	0.01208858
Tbc1d13	TBC1 domain family, member 13 [Source:MGI Symbol;Acc:l	-0.21569082	0.012119491
4930412L05Rik	RIKEN cDNA 4930412L05 gene [Source:MGI Symbol;Acc:M	-1.13007613	0.012216247

Fgd1	FYVE, RhoGEF and PH domain containing 1 [Source:MGI Symbol;Acc:MGI:256638]	-0.32569026	0.01224957
Slc7a2	solute carrier family 7 (cationic amino acid transporter, y+ system)	-0.397891	0.012459591
Iars	isoleucine-tRNA synthetase [Source:MGI Symbol;Acc:MGI:256638]	-0.18051581	0.012497171
Gm43748	predicted gene 43748 [Source:MGI Symbol;Acc:MGI:56638]	-2.99920075	0.01289169
Dcaf8	DDB1 and CUL4 associated factor 8 [Source:MGI Symbol;Acc:MGI:38018]	-0.07971226	0.013040644
Gm15956	predicted gene 15956 [Source:MGI Symbol;Acc:MGI:38018]	-1.59219461	0.013242587
Trem3	triggering receptor expressed on myeloid cells 3 [Source:MGI Symbol;Acc:MGI:36522]	-3.66039452	0.013297379
Gm12955	predicted gene 12955 [Source:MGI Symbol;Acc:MGI:36522]	-3.65939641	0.013336177
Ralgps2	Ral GEF with PH domain and SH3 binding motif 2 [Source:MGI Symbol;Acc:MGI:1914971]	-0.19042654	0.01335595
Isoc1	isochorismatase domain containing 1 [Source:MGI Symbol;Acc:MGI:1914971]	-0.26419204	0.013367407
Gm13117	predicted gene 13117 [Source:MGI Symbol;Acc:MGI:37011]	-3.0141539	0.013674808
Siae	sialic acid acetyltransferase [Source:MGI Symbol;Acc:MGI:104791]	-0.25117055	0.013988135
Atxn7l3b	ataxin 7-like 3B [Source:MGI Symbol;Acc:MGI:1914971]	-0.12416986	0.014000559
Frmd4a	FERM domain containing 4A [Source:MGI Symbol;Acc:MGI:1931028]	-0.22325517	0.014016856
Recql4	RecQ protein-like 4 [Source:MGI Symbol;Acc:MGI:1931028]	-0.43719223	0.014028875
A030005L19Rik	RIKEN cDNA A030005L19 gene [Source:MGI Symbol;Acc:MGI:10769]	-1.33920145	0.014227845
Zfp462	zinc finger protein 462 [Source:MGI Symbol;Acc:MGI:10769]	-0.28252694	0.014307134
Gm12663	predicted gene 12663 [Source:MGI Symbol;Acc:MGI:36521]	-0.88737691	0.014485484
Pla2g5	phospholipase A2, group V [Source:MGI Symbol;Acc:MGI:104791]	-0.49450275	0.014517943
Upf2	UPF2 regulator of nonsense transcripts homolog (yeast) [Source:MGI Symbol;Acc:MGI:1914971]	-0.20503891	0.014833904
Lonrf3	LON peptidase N-terminal domain and ring finger 3 [Source:MGI Symbol;Acc:MGI:1914971]	-0.50453804	0.014875207
Pogk	pogo transposable element with KRAB domain [Source:MGI Symbol;Acc:MGI:36418]	-0.32647448	0.014939088
Gm10069	predicted gene 10069 [Source:MGI Symbol;Acc:MGI:36418]	-0.81054081	0.015148721
Cd209a	CD209a antigen [Source:MGI Symbol;Acc:MGI:2157942]	-1.20472789	0.01541206
Eps8l1	EPS8-like 1 [Source:MGI Symbol;Acc:MGI:1914675]	-1.02210459	0.015436649
Lancl3	LanC lantibiotic synthetase component C-like 3 (bacterial) [Source:MGI Symbol;Acc:MGI:1914675]	-0.47440828	0.015543056
Slc25a35	solute carrier family 25, member 35 [Source:MGI Symbol;Acc:MGI:61187]	-0.12739964	0.015579495
Gm49284	predicted gene, 49284 [Source:MGI Symbol;Acc:MGI:61187]	-0.31961506	0.015796191
Zfp420	zinc finger protein 420 [Source:MGI Symbol;Acc:MGI:24446]	-0.23140357	0.016141852
Gm44116	predicted gene, 44116 [Source:MGI Symbol;Acc:MGI:56905]	-2.52671367	0.016299815
Gm10640	predicted gene 10640 [Source:MGI Symbol;Acc:MGI:36488]	-2.92414876	0.016345337
Gid4	GID complex subunit 4, VID24 homolog [Source:MGI Symbol;Acc:MGI:19202]	-0.18475885	0.01635844
Zfp493	zinc finger protein 493 [Source:MGI Symbol;Acc:MGI:19202]	-0.52326126	0.016494702
Gm14005	predicted gene 14005 [Source:MGI Symbol;Acc:MGI:36521]	-2.16804798	0.016502845
Lims1	LIM and senescent cell antigen-like domains 1 [Source:MGI Symbol;Acc:MGI:1914971]	-0.25403693	0.016585122
Gpr157	G protein-coupled receptor 157 [Source:MGI Symbol;Acc:MGI:1914971]	-0.3701816	0.016792466
Till1	tubulin tyrosine ligase-like 1 [Source:MGI Symbol;Acc:MGI:256638]	-0.15119885	0.016815884
Sox7	SRY (sex determining region Y)-box 7 [Source:MGI Symbol;Acc:MGI:1914971]	-0.46284497	0.016937322
Prokr1	prokineticin receptor 1 [Source:MGI Symbol;Acc:MGI:19296]	-2.2527945	0.01695701
Muc2	mucin 2 [Source:MGI Symbol;Acc:MGI:1339364]	-1.58920145	0.016962401
D2hgdh	D-2-hydroxyglutarate dehydrogenase [Source:MGI Symbol;Acc:MGI:1914971]	-0.28834031	0.017094758
Pik3cb	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit 3 [Source:MGI Symbol;Acc:MGI:1914971]	-0.25308448	0.017181145
Clic5	chloride intracellular channel 5 [Source:MGI Symbol;Acc:MGI:1914971]	-0.36635489	0.017425716
Dcaf12	DDB1 and CUL4 associated factor 12 [Source:MGI Symbol;Acc:MGI:38018]	-0.17215703	0.017504511
She	src homology 2 domain-containing transforming protein E [Source:MGI Symbol;Acc:MGI:1914971]	-0.47819425	0.017594023
4632415L05Rik	RIKEN cDNA 4632415L05 gene [Source:MGI Symbol;Acc:MGI:1914971]	-0.33513294	0.017597565
S1pr1	sphingosine-1-phosphate receptor 1 [Source:MGI Symbol;Acc:MGI:2389]	-0.16429956	0.01809783
Unc5d	unc-5 netrin receptor D [Source:MGI Symbol;Acc:MGI:2389]	-0.27454622	0.018198062
Gm24430	predicted gene, 24430 [Source:MGI Symbol;Acc:MGI:54542]	-4.2285524	0.018224107
Mitf	melanogenesis associated transcription factor [Source:MGI Symbol;Acc:MGI:1914971]	-0.32157642	0.018225321
Mrs2	MRS2 magnesium transporter [Source:MGI Symbol;Acc:MGI:1914971]	-0.0682999	0.018391404
Ptpn13	protein tyrosine phosphatase, non-receptor type 13 [Source:MGI Symbol;Acc:MGI:1346086]	-0.15851822	0.01857797
Aplnr	apelin receptor [Source:MGI Symbol;Acc:MGI:1346086]	-1.87550759	0.018672409
Gm10033	predicted gene 10033 [Source:MGI Symbol;Acc:MGI:36428]	-0.30527716	0.018791465

Cs	citrate synthase [Source:MGI Symbol;Acc:MGI:88529]	-0.06537616	0.018940974
Tex52	testis expressed 52 [Source:MGI Symbol;Acc:MGI:1918399]	-1.07674619	0.019111219
Gm14342	predicted gene 14342 [Source:MGI Symbol;Acc:MGI:365079]	-0.45312132	0.019252403
Nedd4	neural precursor cell expressed, developmentally down-regulated	-0.16665476	0.019272172
Urb2	URB2 ribosome biogenesis 2 homolog (S. cerevisiae) [Source:MGI Symbol;Acc:MGI:107265]	-0.24213469	0.019350796
Bpnt1	bisphosphate 3'-nucleotidase 1 [Source:MGI Symbol;Acc:MGI:107265]	-0.13520904	0.019644254
Pms1	PMS1 homolog 1, mismatch repair system component [Source:MGI Symbol;Acc:MGI:107265]	-0.46433707	0.019816312
Eif2ak4	eukaryotic translation initiation factor 2 alpha kinase 4 [Source:MGI Symbol;Acc:MGI:107265]	-0.15079565	0.020131841
Cpd	carboxypeptidase D [Source:MGI Symbol;Acc:MGI:107265]	-0.26508904	0.020195087
Epb414b	erythrocyte membrane protein band 4.1 like 4b [Source:MGI Symbol;Acc:MGI:107265]	-0.32035308	0.020334782
Fam172a	family with sequence similarity 172, member A [Source:MGI Symbol;Acc:MGI:107265]	-0.1419114	0.020342389
Arid4b	AT rich interactive domain 4B (RBP1-like) [Source:MGI Symbol;Acc:MGI:107265]	-0.11168073	0.02037943
Gm7368	predicted gene 7368 [Source:MGI Symbol;Acc:MGI:364348]	-2.76315579	0.020386918
Susd6	sushi domain containing 6 [Source:MGI Symbol;Acc:MGI:24107265]	-0.28523397	0.020509269
Ing4	inhibitor of growth family, member 4 [Source:MGI Symbol;Acc:MGI:107265]	-0.84709472	0.020541011
Zhx2	zinc fingers and homeoboxes 2 [Source:MGI Symbol;Acc:MGI:107265]	-0.31694901	0.020602638
Mir142hg	Mir142 host gene (non-protein coding) [Source:MGI Symbol;Acc:MGI:107265]	-2.13572723	0.020709789
Gm35696	predicted gene, 35696 [Source:MGI Symbol;Acc:MGI:55948]	-5.07846805	0.02086423
Tnpo1	transportin 1 [Source:MGI Symbol;Acc:MGI:2681523]	-0.2243338	0.021108901
Gdap1	ganglioside-induced differentiation-associated-protein 1 [Source:MGI Symbol;Acc:MGI:107265]	-0.14998588	0.021179792
Gm13257	predicted gene 13257 [Source:MGI Symbol;Acc:MGI:365109]	-2.34443512	0.021198399
Cdh20	cadherin 20 [Source:MGI Symbol;Acc:MGI:1346069]	-0.47634281	0.021236534
Upp2	uridine phosphorylase 2 [Source:MGI Symbol;Acc:MGI:1923]	-0.23324616	0.021648734
Polr3b	polymerase (RNA) III (DNA directed) polypeptide B [Source:MGI Symbol;Acc:MGI:107265]	-0.26709363	0.021655468
Fgf23	fibroblast growth factor 23 [Source:MGI Symbol;Acc:MGI:18107265]	-1.40429152	0.021688116
C230034O21Rik	RIKEN cDNA C230034O21 gene [Source:MGI Symbol;Acc:MGI:107265]	-0.51794124	0.021696089
Cldn1	claudin 1 [Source:MGI Symbol;Acc:MGI:1276109]	-1.15244459	0.02172032
Zfp488	zinc finger protein 488 [Source:MGI Symbol;Acc:MGI:26860]	-0.63992608	0.021822844
Gm14403	predicted gene 14403 [Source:MGI Symbol;Acc:MGI:36498]	-0.62588841	0.022238233
Gm8850	predicted gene 8850 [Source:MGI Symbol;Acc:MGI:364732]	-2.83394727	0.022263936
Iqsec3	IQ motif and Sec7 domain 3 [Source:MGI Symbol;Acc:MGI:24107265]	-0.35724757	0.02264739
Gm12324	predicted gene 12324 [Source:MGI Symbol;Acc:MGI:36513]	-3.66442929	0.022710656
St7	suppression of tumorigenicity 7 [Source:MGI Symbol;Acc:MGI:107265]	-0.21505389	0.02277636
Fktn	fukutin [Source:MGI Symbol;Acc:MGI:2179507]	-0.20719105	0.022800624
Mcc	mutated in colorectal cancers [Source:MGI Symbol;Acc:MGI:107265]	-0.40966897	0.022838713
Tbc1d8b	TBC1 domain family, member 8B [Source:MGI Symbol;Acc:MGI:107265]	-0.40732917	0.02298556
Hrh1	histamine receptor H1 [Source:MGI Symbol;Acc:MGI:10761]	-0.18900825	0.023092137
Fads1	fatty acid desaturase 1 [Source:MGI Symbol;Acc:MGI:19235]	-0.14113545	0.023139992
Gm4963	predicted gene 4963 [Source:MGI Symbol;Acc:MGI:364516]	-3.1729543	0.023150283
Gm6133	predicted gene 6133 [Source:MGI Symbol;Acc:MGI:364702]	-1.33920145	0.023271523
Tapbp	TAP binding protein [Source:MGI Symbol;Acc:MGI:1201689]	-0.22291067	0.023325777
D5Ert615e	DNA segment, Chr 5, ERATO Doi 615, expressed [Source:MGI Symbol;Acc:MGI:107265]	-1.75039522	0.023890528
Peg13	paternally expressed 13 [Source:MGI Symbol;Acc:MGI:2663]	-0.22629269	0.023968674
Peli2	pellino 2 [Source:MGI Symbol;Acc:MGI:1891445]	-0.2626435	0.024002061
Lman2l	lectin, mannose-binding 2-like [Source:MGI Symbol;Acc:MGI:107265]	-0.18536596	0.024325637
D430040D24Rik	RIKEN cDNA D430040D24 gene [Source:MGI Symbol;Acc:MGI:107265]	-0.60118943	0.024682583
Gm42813	predicted gene 42813 [Source:MGI Symbol;Acc:MGI:56629]	-2.4845547	0.02470393
Gm13983	predicted gene 13983 [Source:MGI Symbol;Acc:MGI:36492]	-2.58940225	0.024719056
Gm17202	predicted gene 17202 [Source:MGI Symbol;Acc:MGI:49380]	-1.92820848	0.024734106
4833427G06Rik	RIKEN cDNA 4833427G06 gene [Source:MGI Symbol;Acc:MGI:107265]	-2.93911709	0.024744471
Rpl10-ps6	ribosomal protein L10, pseudogene 6 [Source:MGI Symbol;Acc:MGI:107265]	-2.0086905	0.024777388
Tbc1d9b	TBC1 domain family, member 9B [Source:MGI Symbol;Acc:MGI:107265]	-0.22295526	0.024949441
Spata46	spermatogenesis associated 46 [Source:MGI Symbol;Acc:MGI:107265]	-2.42491715	0.024978392
Adgra3	adhesion G protein-coupled receptor A3 [Source:MGI Symbol;Acc:MGI:107265]	-0.28075189	0.025013986

Plekha8	pleckstrin homology domain containing, family A (phosphoin	-0.2451778	0.025043622
Gm10175	predicted gene 10175 [Source:MGI Symbol;Acc:MGI:370428]	-1.27344285	0.02522079
Kcnmb2	potassium large conductance calcium-activated channel, sul	-0.44656997	0.025261123
Tmem127	transmembrane protein 127 [Source:MGI Symbol;Acc:MGI:1	-0.19533756	0.025355096
Zmpste24	zinc metallopeptidase, STE24 [Source:MGI Symbol;Acc:MG	-0.1619853	0.025454614
Misp	mitotic spindle positioning [Source:MGI Symbol;Acc:MGI:19:	-1.15952298	0.025471335
Gm42460	predicted gene 42460 [Source:MGI Symbol;Acc:MGI:566259]	-0.83109608	0.025641167
Mir1957a	microRNA 1957a [Source:MGI Symbol;Acc:MGI:3837121]	-2.58394727	0.02568019
Gpr17	G protein-coupled receptor 17 [Source:MGI Symbol;Acc:MG	-0.28740134	0.025747597
Pkn3	protein kinase N3 [Source:MGI Symbol;Acc:MGI:2388285]	-0.38467305	0.025833218
Unkl	unkempt family like zinc finger [Source:MGI Symbol;Acc:MG	-0.23364392	0.025970985
Gm39214	predicted gene, 39214 [Source:MGI Symbol;Acc:MGI:56220	-2.58940225	0.026430535
2310047D07Rik	RIKEN cDNA 2310047D07 gene [Source:MGI Symbol;Acc:M	-1.20607768	0.026487561
Tjp1	tight junction protein 1 [Source:MGI Symbol;Acc:MGI:98759]	-0.27823268	0.026661537
Tmco3	transmembrane and coiled-coil domains 3 [Source:MGI Syr	-0.20553619	0.026833997
Fcgbp	Fc fragment of IgG binding protein [Source:MGI Symbol;Acc	-3.7532402	0.026848125
Usp6nl	USP6 N-terminal like [Source:MGI Symbol;Acc:MGI:213889	-0.21772812	0.026858804
Gpr137b	G protein-coupled receptor 137B [Source:MGI Symbol;Acc:M	-0.31585748	0.02690068
Lamc1	laminin, gamma 1 [Source:MGI Symbol;Acc:MGI:99914]	-0.24574232	0.027040448
Gm46204	predicted gene, 46204 [Source:MGI Symbol;Acc:MGI:58258	-2.83940225	0.027106122
Epb4111	erythrocyte membrane protein band 4.1 like 1 [Source:MGI 9	-0.25852253	0.02732244
DXBay18	DNA segment, Chr X, Baylor 18 [Source:MGI Symbol;Acc:M	-1.18280033	0.027341544
Magix	MAGI family member, X-linked [Source:MGI Symbol;Acc:MC	-0.2764902	0.027509022
Pcdha6	protocadherin alpha 6 [Source:MGI Symbol;Acc:MGI:129836]	-0.53294228	0.027634656
Pcdhgc4	protocadherin gamma subfamily C, 4 [Source:MGI Symbol;A	-0.45302338	0.027658912
Cd27	CD27 antigen [Source:MGI Symbol;Acc:MGI:88326]	-1.41968347	0.027695942
Scaf11	SR-related CTD-associated factor 11 [Source:MGI Symbol;A	-0.24336915	0.027774599
Gm27202	predicted gene 27202 [Source:MGI Symbol;Acc:MGI:552104	-0.5465081	0.027995744
Afg3l1	AFG3-like AAA ATPase 1 [Source:MGI Symbol;Acc:MGI:19:	-0.0871788	0.02810539
Atp2b3	ATPase, Ca <sup>++</sup> transporting, plasma membrane 3 [Source:M	-0.43887415	0.028135128
Gm20498	predicted gene 20498 [Source:MGI Symbol;Acc:MGI:514196]	-0.58594603	0.028244246
AC120150.1	novel transcript, antisense to Map6d1	-1.30415704	0.028424665
Wdr59	WD repeat domain 59 [Source:MGI Symbol;Acc:MGI:24421	-0.20957056	0.028460529
Tmsb15l	thymosin beta 15b like [Source:MGI Symbol;Acc:MGI:30269	-1.0001655	0.028553899
Cep152	centrosomal protein 152 [Source:MGI Symbol;Acc:MGI:2139	-0.44689477	0.028678711
Bicd2	BICD cargo adaptor 2 [Source:MGI Symbol;Acc:MGI:192414	-0.23497409	0.02885093
Crot	carnitine O-octanoyltransferase [Source:MGI Symbol;Acc:M	-0.15692993	0.02899006
Steap4	STEAP family member 4 [Source:MGI Symbol;Acc:MGI:192	-2.47226337	0.029032804
Apln	apelin [Source:MGI Symbol;Acc:MGI:1353624]	-0.51384798	0.029106901
D030045P18Rik	RIKEN cDNA D030045P18 gene [Source:MGI Symbol;Acc:M	-2.42231247	0.029623253
Itrip1l	inositol 1,4,5-triphosphate receptor interacting protein-like 1	-0.65150495	0.029816739
Znrf2	zinc and ring finger 2 [Source:MGI Symbol;Acc:MGI:119624]	-0.2178849	0.029831736
Tma7-ps	translational machinery associated 7 homolog (S. cerevisiae	-2.61807075	0.029902066
Klf12	Kruppel-like factor 12 [Source:MGI Symbol;Acc:MGI:133379	-0.52258089	0.030167011
Bri3bp	Bri3 binding protein [Source:MGI Symbol;Acc:MGI:1924059]	-0.23364886	0.030205874
Acad12	acyl-Coenzyme A dehydrogenase family, member 12 [Sourc	-0.48021005	0.030499466
ErbB4	erb-b2 receptor tyrosine kinase 4 [Source:MGI Symbol;Acc:l	-0.22344689	0.030504845
Zcwpw2	zinc finger, CW type with PWWP domain 2 [Source:MGI Syr	-1.1023183	0.030673167
Iqcn	IQ motif containing N [Source:MGI Symbol;Acc:MGI:370878	-2.34443512	0.030794208
Itch	itchy, E3 ubiquitin protein ligase [Source:MGI Symbol;Acc:M	-0.17974741	0.030844548
OlfR658	olfactory receptor 658 [Source:MGI Symbol;Acc:MGI:303049]	-1.79104018	0.030962717
Cep85l	centrosomal protein 85-like [Source:MGI Symbol;Acc:MGI:30	-0.23183833	0.031002717
Sfxn5	sideroflexin 5 [Source:MGI Symbol;Acc:MGI:2137681]	-0.27440691	0.031143059
S100a8	S100 calcium binding protein A8 (calgranulin A) [Source:MG	-2.33087724	0.031288809

Dnajc27	DnaJ heat shock protein family (Hsp40) member C27 [Source:MG	-0.21838246	0.031306099
Tcf12	transcription factor 12 [Source:MGI Symbol;Acc:MGI:101877	-0.15313459	0.031420217
Zhx3	zinc fingers and homeoboxes 3 [Source:MGI Symbol;Acc:M	-0.19923378	0.031461624
Gm9118	predicted gene 9118 [Source:MGI Symbol;Acc:MGI:364818	-0.7865597	0.031512071
Gm19325	predicted gene, 19325 [Source:MGI Symbol;Acc:MGI:50115	-3.89138166	0.03186194
Gm9790	predicted gene 9790 [Source:MGI Symbol;Acc:MGI:370422	-2.59847457	0.031866263
Arl8b	ADP-ribosylation factor-like 8B [Source:MGI Symbol;Acc:MC	-0.11379155	0.0319037
Gm8210	predicted pseudogene 8210 [Source:MGI Symbol;Acc:MGI:3	-3.32919525	0.032041196
Gm14387	predicted gene 14387 [Source:MGI Symbol;Acc:MGI:36503	-1.49287891	0.032060002
Gm14327	predicted gene 14327 [Source:MGI Symbol;Acc:MGI:36521	-1.17285193	0.032092418
Lrp5	low density lipoprotein receptor-related protein 5 [Source:MC	-0.3925527	0.032184115
Snx27	sorting nexin family member 27 [Source:MGI Symbol;Acc:M	-0.15616589	0.032209778
AW554918	expressed sequence AW554918 [Source:MGI Symbol;Acc:M	-0.23258118	0.032243614
Gm27184	predicted gene 27184 [Source:MGI Symbol;Acc:MGI:55210	-1.10679878	0.032257164
Dnajb14	DnaJ heat shock protein family (Hsp40) member B14 [Sourc	-0.2336748	0.032301514
Gm43790	predicted gene 43790 [Source:MGI Symbol;Acc:MGI:56639	-2.77671367	0.032530482
Kcnab3	potassium voltage-gated channel, shaker-related subfamily,	-0.59619796	0.032552549
Magi3	membrane associated guanylate kinase, WW and PDZ dom	-0.20651634	0.032718171
Dnajc18	DnaJ heat shock protein family (Hsp40) member C18 [Sourc	-0.11909828	0.032758642
Stam2	signal transducing adaptor molecule (SH3 domain and ITAM	-0.18004002	0.032817766
Elac1	elaC ribonuclease Z 1 [Source:MGI Symbol;Acc:MGI:18904	-0.18193302	0.032846624
Al464131	expressed sequence Al464131 [Source:MGI Symbol;Acc:M	-0.24785651	0.033096242
Dmx11	Dmx-like 1 [Source:MGI Symbol;Acc:MGI:2443926]	-0.21436273	0.033467887
Frmpp3	FERM and PDZ domain containing 3 [Source:MGI Symbol;A	-0.4548218	0.033527132
Abcc4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	-0.30413976	0.033598645
Sgpp1	sphingosine-1-phosphate phosphatase 1 [Source:MGI Sym	-0.14492297	0.033659411
Agl	amylo-1,6-glucosidase, 4-alpha-glucanotransferase [Source	-0.33200255	0.033802859
Tulp4	tubby like protein 4 [Source:MGI Symbol;Acc:MGI:1916092]	-0.27864242	0.033962282
Cpeb3	cytoplasmic polyadenylation element binding protein 3 [Sour	-0.39341926	0.033964975
Hmbox1	homeobox containing 1 [Source:MGI Symbol;Acc:MGI:2445	-0.22444721	0.033970072
Gm26894	predicted gene, 26894 [Source:MGI Symbol;Acc:MGI:54773	-0.71897703	0.034116588
Twsg1	twisted gastrulation BMP signaling modulator 1 [Source:MGI	-0.23567352	0.034118672
Gtf3c4	general transcription factor IIIC, polypeptide 4 [Source:MGI	-0.16927712	0.034174019
Gm13410	predicted gene 13410 [Source:MGI Symbol;Acc:MGI:36506	-4.67590558	0.034207338
Lysmd1	LysM, putative peptidoglycan-binding, domain containing 1 [	-0.37477155	0.034237471
Ptar1	protein prenyltransferase alpha subunit repeat containing 1 [	-0.77228319	0.034364576
Gm9916	predicted gene 9916 [Source:MGI Symbol;Acc:MGI:364263	-0.74855893	0.034467473
Rnf216	ring finger protein 216 [Source:MGI Symbol;Acc:MGI:13443	-0.14260362	0.034492201
Cox15	cytochrome c oxidase assembly protein 15 [Source:MGI Syr	-0.10222711	0.034609067
Xk	X-linked Kx blood group [Source:MGI Symbol;Acc:MGI:103	-0.18748014	0.034659772
Anapc1	anaphase promoting complex subunit 1 [Source:MGI Symb	-0.10420302	0.034680398
Gm43173	predicted gene 43173 [Source:MGI Symbol;Acc:MGI:56633	-2.76315579	0.034684172
Katnal1	katanin p60 subunit A-like 1 [Source:MGI Symbol;Acc:MGI:2	-0.23897562	0.034793905
Parp4	poly (ADP-ribose) polymerase family, member 4 [Source:MC	-0.50490452	0.034949773
Gm7645	predicted gene 7645 [Source:MGI Symbol;Acc:MGI:364687	-2.1929319	0.035077426
Gm28119	predicted gene 28119 [Source:MGI Symbol;Acc:MGI:55788	-0.76380659	0.035138549
Ccdc50	coiled-coil domain containing 50 [Source:MGI Symbol;Acc:M	-0.15782325	0.035246808
Zfp800	zinc finger protein 800 [Source:MGI Symbol;Acc:MGI:18893	-0.23950638	0.035353389
Gm49179	predicted gene, 49179 [Source:MGI Symbol;Acc:MGI:61186	-2.36203246	0.035742993
Ptgs2os2	prostaglandin-endoperoxide synthase 2, opposite strand 2 [	-3.55380075	0.035752802
Pag1	phosphoprotein associated with glycosphingolipid microdom	-0.2858275	0.035790305
Pcid2	PCI domain containing 2 [Source:MGI Symbol;Acc:MGI:244	-0.22265571	0.035887213
Btbd7	BTB (POZ) domain containing 7 [Source:MGI Symbol;Acc:M	-0.17782607	0.035921142
Mfsd6	major facilitator superfamily domain containing 6 [Source:MC	-0.26734048	0.035959086



Gm9910	predicted gene 9910 [Source:MGI Symbol;Acc:MGI:364257]	-1.4506079	0.035976131
Odf3l1	outer dense fiber of sperm tails 3-like 1 [Source:MGI Symbol;Acc:MGI:364257]	-2.57038939	0.036007299
Ggt5	gamma-glutamyltransferase 5 [Source:MGI Symbol;Acc:MGI:364257]	-0.57252012	0.036100232
Pde11a	phosphodiesterase 11A [Source:MGI Symbol;Acc:MGI:3036]	-0.93304718	0.036168586
Sptb	spectrin beta, erythrocytic [Source:MGI Symbol;Acc:MGI:98]	-0.3006271	0.036179634
Erv3	endogenous retroviral sequence 3 [Source:MGI Symbol;Acc:MGI:364257]	-1.06144362	0.036189224
Trbj2-5	T cell receptor beta joining 2-5 [Source:MGI Symbol;Acc:MGI:364257]	-3.73038869	0.036444945
Fam13b	family with sequence similarity 13, member B [Source:MGI Symbol;Acc:MGI:364257]	-0.29288859	0.03660152
Atg2b	autophagy related 2B [Source:MGI Symbol;Acc:MGI:192380]	-0.24627934	0.03665774
Epm2a	epilepsy, progressive myoclonic epilepsy, type 2 gene alpha [Source:MGI Symbol;Acc:MGI:364257]	-0.1363663	0.036708386
Prdm11	PR domain containing 11 [Source:MGI Symbol;Acc:MGI:268]	-0.35681645	0.036718462
Sgca	sarcoglycan, alpha (dystrophin-associated glycoprotein) [Source:MGI Symbol;Acc:MGI:364257]	-2.2586905	0.036931414
B4galnt2	beta-1,4-N-acetyl-galactosaminyl transferase 2 [Source:MGI Symbol;Acc:MGI:364257]	-2.62354841	0.037223891
Dnajc3	DnaJ heat shock protein family (Hsp40) member C3 [Source:MGI Symbol;Acc:MGI:364257]	-0.30492129	0.037233125
Scrt1	scratch family zinc finger 1 [Source:MGI Symbol;Acc:MGI:21]	-0.38797584	0.037237374
Espl1	extra spindle pole bodies 1, separase [Source:MGI Symbol;Acc:MGI:364257]	-0.26395844	0.037303439
Gm13398	predicted gene 13398 [Source:MGI Symbol;Acc:MGI:36523]	-3.73038869	0.037599576
Gm7664	predicted gene 7664 [Source:MGI Symbol;Acc:MGI:364565]	-3.73038869	0.037599576
Gm4739	predicted gene 4739 [Source:MGI Symbol;Acc:MGI:364298]	-2.74514104	0.037649009
Ern1	endoplasmic reticulum (ER) to nucleus signalling 1 [Source:MGI Symbol;Acc:MGI:364257]	-0.20263982	0.038023995
B230217C12Rik	RIKEN cDNA B230217C12 gene [Source:MGI Symbol;Acc:MGI:364257]	-0.16448629	0.038184329
Camta1	calmodulin binding transcription activator 1 [Source:MGI Symbol;Acc:MGI:364257]	-0.27069949	0.038293979
Gm28271	predicted gene 28271 [Source:MGI Symbol;Acc:MGI:55789]	-3.40939642	0.038375072
Uba6	ubiquitin-like modifier activating enzyme 6 [Source:MGI Symbol;Acc:MGI:364257]	-0.2655059	0.038398736
Rnaset2b	ribonuclease T2B [Source:MGI Symbol;Acc:MGI:3702087]	-0.75067432	0.038431288
Mr1	major histocompatibility complex, class I-related [Source:MGI Symbol;Acc:MGI:364257]	-0.33181242	0.038453382
Pcdh20	protocadherin 20 [Source:MGI Symbol;Acc:MGI:2443376]	-0.565512	0.038567801
Rspry1	ring finger and SPRY domain containing 1 [Source:MGI Symbol;Acc:MGI:364257]	-0.24508869	0.0385803
Gm37824	predicted gene, 37824 [Source:MGI Symbol;Acc:MGI:56110]	-0.79036979	0.03870741
Acot11	acyl-CoA thioesterase 11 [Source:MGI Symbol;Acc:MGI:191]	-0.51589472	0.03877889
Ankrd26	ankyrin repeat domain 26 [Source:MGI Symbol;Acc:MGI:191]	-0.26401936	0.038783432
Spidr	scaffolding protein involved in DNA repair [Source:MGI Symbol;Acc:MGI:364257]	-0.57221607	0.038924652
Inhbe	inhibin beta-E [Source:MGI Symbol;Acc:MGI:109269]	-2.160552	0.038959101
Gramd3	GRAM domain containing 3 [Source:MGI Symbol;Acc:MGI:1]	-0.18444432	0.03896489
Acbd3	acyl-Coenzyme A binding domain containing 3 [Source:MGI Symbol;Acc:MGI:364257]	-0.19513685	0.039293262
Cntnap4	contactin associated protein-like 4 [Source:MGI Symbol;Acc:MGI:364257]	-0.36886631	0.039315538
Gm7284	predicted gene 7284 [Source:MGI Symbol;Acc:MGI:364712]	-2.74514104	0.039362562
Ankrd44	ankyrin repeat domain 44 [Source:MGI Symbol;Acc:MGI:304]	-0.26308865	0.039461058
Erich1	glutamate rich 1 [Source:MGI Symbol;Acc:MGI:3588201]	-0.37651677	0.039555857
Gm16136	predicted gene 16136 [Source:MGI Symbol;Acc:MGI:38021]	-2.98821859	0.039622139
Txndc16	thioredoxin domain containing 16 [Source:MGI Symbol;Acc:MGI:364257]	-0.06596022	0.039885065
Tex22	testis expressed gene 22 [Source:MGI Symbol;Acc:MGI:192]	-2.98567715	0.039936753
Gm46313	predicted gene, 46313 [Source:MGI Symbol;Acc:MGI:58259]	-0.91968347	0.039941024
Cep120	centrosomal protein 120 [Source:MGI Symbol;Acc:MGI:2147]	-0.1713533	0.039947794
Tcaf2	TRPM8 channel-associated factor 2 [Source:MGI Symbol;Acc:MGI:364257]	-0.84746001	0.039961238
7330423F06Rik	RIKEN cDNA 7330423F06 gene [Source:MGI Symbol;Acc:MGI:364257]	-2.99283571	0.040089956
Yipf6	Yip1 domain family, member 6 [Source:MGI Symbol;Acc:MGI:364257]	-0.18776809	0.040096176
Lamc3	laminin gamma 3 [Source:MGI Symbol;Acc:MGI:1344394]	-0.53110012	0.040212253
Nat8l	N-acetyltransferase 8-like [Source:MGI Symbol;Acc:MGI:244]	-0.36444036	0.040217841
Pomt2	protein-O-mannosyltransferase 2 [Source:MGI Symbol;Acc:MGI:364257]	-0.18401176	0.040339771
Gm44151	predicted gene, 44151 [Source:MGI Symbol;Acc:MGI:56905]	-1.78196785	0.040361397
Gm44646	predicted gene 44646 [Source:MGI Symbol;Acc:MGI:57532]	-0.68174727	0.040380354
Tpcn1	two pore channel 1 [Source:MGI Symbol;Acc:MGI:2182472]	-0.25233483	0.040550754
Gm49123	predicted gene, 49123 [Source:MGI Symbol;Acc:MGI:61185]	-2.99283571	0.04067628

Iqcf5	IQ motif containing F5 [Source:MGI Symbol;Acc:MGI:19227]	-2.99283571	0.04067628
Itn1	intersectin 1 (SH3 domain protein 1A) [Source:MGI Symbol;Acc:MGI:19227]	-0.30886703	0.040728757
S1pr3	sphingosine-1-phosphate receptor 3 [Source:MGI Symbol;Acc:MGI:19227]	-0.3640587	0.040742313
Mcmbp	minichromosome maintenance complex binding protein [Source:MGI Symbol;Acc:MGI:19227]	-0.10899318	0.040756169
9430002A10Rik	RIKEN cDNA 9430002A10 gene [Source:MGI Symbol;Acc:MGI:19227]	-1.33920145	0.040836507
mt-Te	mitochondrially encoded tRNA glutamic acid [Source:MGI Symbol;Acc:MGI:19227]	-0.84334751	0.040848483
Abcc9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9 [Source:MGI Symbol;Acc:MGI:19227]	-0.59040347	0.04088922
Agpat5	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidylcholine acyltransferase 5) [Source:MGI Symbol;Acc:MGI:19227]	-0.15949719	0.040915987
Clcn6	chloride channel, voltage-sensitive 6 [Source:MGI Symbol;Acc:MGI:19227]	-0.19064663	0.040934137
Gm44617	predicted gene 44617 [Source:MGI Symbol;Acc:MGI:575319]	-2.98567715	0.040989927
Gsg1l2	GSG1-like 2 [Source:MGI Symbol;Acc:MGI:3650209]	-2.98567715	0.040989927
Pcdh17	protocadherin 17 [Source:MGI Symbol;Acc:MGI:2684924]	-0.27826883	0.041119766
Efcab9	EF-hand calcium binding domain 9 [Source:MGI Symbol;Acc:MGI:19227]	-0.55436728	0.041206058
G630093K05Rik	RIKEN cDNA G630093K05 gene [Source:MGI Symbol;Acc:MGI:19227]	-1.40952298	0.04127007
Nwd1	NACHT and WD repeat domain containing 1 [Source:MGI Symbol;Acc:MGI:19227]	-0.31779137	0.041571514
4933406K04Rik	RIKEN cDNA 4933406K04 gene [Source:MGI Symbol;Acc:MGI:19227]	-3.03571275	0.041604234
Utrn	utrophin [Source:MGI Symbol;Acc:MGI:104631]	-0.30913116	0.04195562
Pik3r3	phosphoinositide-3-kinase regulatory subunit 3 [Source:MGI Symbol;Acc:MGI:19227]	-0.19441132	0.04198917
Gm25014	predicted gene, 25014 [Source:MGI Symbol;Acc:MGI:54547]	-1.21055816	0.041990392
Gm16325	predicted gene 16325 [Source:MGI Symbol;Acc:MGI:382654]	-3.03571275	0.042103116
Gm15696	predicted gene 15696 [Source:MGI Symbol;Acc:MGI:378319]	-2.10415459	0.042214101
Utp6	UTP6 small subunit processome component [Source:MGI Symbol;Acc:MGI:19227]	-0.09258898	0.04232348
Alas2	aminolevulinic acid synthase 2, erythroid [Source:MGI Symbol;Acc:MGI:19227]	-1.13303249	0.042518666
Ago2	argonaute RISC catalytic subunit 2 [Source:MGI Symbol;Acc:MGI:19227]	-0.21739054	0.042554604
Parva	parvin, alpha [Source:MGI Symbol;Acc:MGI:1931144]	-0.50638933	0.042679922
Prpf18	pre-mRNA processing factor 18 [Source:MGI Symbol;Acc:MGI:19227]	-0.04943055	0.043046213
Gpc5	glypican 5 [Source:MGI Symbol;Acc:MGI:1194894]	-0.23268761	0.043052837
Gm9008	predicted pseudogene 9008 [Source:MGI Symbol;Acc:MGI:50109]	-3.46814466	0.043073519
Gm18774	predicted gene, 18774 [Source:MGI Symbol;Acc:MGI:50109]	-2.73821859	0.043386364
Gm6125	predicted gene 6125 [Source:MGI Symbol;Acc:MGI:3644052]	-2.73821859	0.043386364
Gm11793	predicted gene 11793 [Source:MGI Symbol;Acc:MGI:365212]	-2.73821859	0.043386364
Ighj3	immunoglobulin heavy joining 3 [Source:MGI Symbol;Acc:MGI:19227]	-2.73821859	0.043386364
Arhgef38	Rho guanine nucleotide exchange factor (GEF) 38 [Source:MGI Symbol;Acc:MGI:19227]	-2.02180736	0.043396743
Rbm41	RNA binding motif protein 41 [Source:MGI Symbol;Acc:MGI:19227]	-0.25576836	0.043460277
4833403J16Rik	RIKEN cDNA 4833403J16 gene [Source:MGI Symbol;Acc:MGI:19227]	-3.1729543	0.043517997
Gpr176	G protein-coupled receptor 176 [Source:MGI Symbol;Acc:MGI:19227]	-0.34944871	0.043564146
Gm12406	predicted gene 12406 [Source:MGI Symbol;Acc:MGI:365062]	-1.72528158	0.043633945
Gm12297	predicted gene 12297 [Source:MGI Symbol;Acc:MGI:364968]	-2.73567715	0.043658858
Cd8b1	CD8 antigen, beta chain 1 [Source:MGI Symbol;Acc:MGI:88]	-2.73567715	0.043658858
A930033M14Rik	RIKEN cDNA A930033M14 gene [Source:MGI Symbol;Acc:MGI:19227]	-2.73567715	0.043658858
Sh2d1a	SH2 domain containing 1A [Source:MGI Symbol;Acc:MGI:19227]	-2.73567715	0.043658858
Mir7048	microRNA 7048 [Source:MGI Symbol;Acc:MGI:5530656]	-2.73567715	0.043658858
Arid2	AT rich interactive domain 2 (ARID, RFX-like) [Source:MGI Symbol;Acc:MGI:19227]	-0.2218865	0.043685061
Fam193a	family with sequence similarity 193, member A [Source:MGI Symbol;Acc:MGI:19227]	-0.09196943	0.043806505
Slc38a11	solute carrier family 38, member 11 [Source:MGI Symbol;Acc:MGI:19227]	-0.84015322	0.043814372
Xpo5	exportin 5 [Source:MGI Symbol;Acc:MGI:1913789]	-0.07847359	0.043835591
Crebrf	CREB3 regulatory factor [Source:MGI Symbol;Acc:MGI:19227]	-0.23843598	0.043868294
Acap1	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1 [Source:MGI Symbol;Acc:MGI:19227]	-1.37720222	0.044025751
Il7r	interleukin 7 receptor [Source:MGI Symbol;Acc:MGI:96562]	-0.66968347	0.044028701
Map3k13	mitogen-activated protein kinase kinase kinase 13 [Source:MGI Symbol;Acc:MGI:19227]	-0.3894576	0.044050174
Gm13841	predicted gene 13841 [Source:MGI Symbol;Acc:MGI:365089]	-1.94920499	0.044116957
Hspd1-ps3	heat shock protein 1 (chaperonin), pseudogene 3 [Source:MGI Symbol;Acc:MGI:19227]	-0.58735657	0.044148816
Kctd21	potassium channel tetramerisation domain containing 21 [Source:MGI Symbol;Acc:MGI:19227]	-0.20312776	0.044283117
Gm48079	predicted gene, 48079 [Source:MGI Symbol;Acc:MGI:60974]	-0.94296082	0.044335784

Opn5	opsin 5 [Source:MGI Symbol;Acc:MGI:2662912]	-2.17414876	0.044337289
Als2	alsin Rho guanine nucleotide exchange factor [Source:MGI Symbol;Acc:MGI:2662912]	-0.22040806	0.04434289
4930402H24Rik	RIKEN cDNA 4930402H24 gene [Source:MGI Symbol;Acc:MGI:2662912]	-0.14792968	0.044356385
Lrrn4cl	LRRN4 C-terminal like [Source:MGI Symbol;Acc:MGI:19161]	-0.77310932	0.044379168
Zc3h3	zinc finger CCCH type containing 3 [Source:MGI Symbol;Acc:MGI:19209]	-0.1749801	0.044493195
Zfp383	zinc finger protein 383 [Source:MGI Symbol;Acc:MGI:19209]	-0.25995664	0.044894923
Tubgcp2	tubulin, gamma complex associated protein 2 [Source:MGI Symbol;Acc:MGI:19209]	-0.20094941	0.044896874
Mir7664	microRNA 7664 [Source:MGI Symbol;Acc:MGI:5531397]	-0.57904095	0.04497087
Pelp1	proline, glutamic acid and leucine rich protein 1 [Source:MGI Symbol;Acc:MGI:60969]	-0.16052921	0.044985867
Abca12	ATP-binding cassette, sub-family A (ABC1), member 12 [Source:MGI Symbol;Acc:MGI:60969]	-1.60679878	0.045128351
Gm47785	predicted gene, 47785 [Source:MGI Symbol;Acc:MGI:60969]	-2.17414876	0.045131142
Hrc	histidine rich calcium binding protein [Source:MGI Symbol;Acc:MGI:60969]	-1.02092943	0.045355727
Usp1	ubiquitin specific peptidase like 1 [Source:MGI Symbol;Acc:MGI:44396]	-0.07936013	0.045409313
Gm16759	predicted gene, 16759 [Source:MGI Symbol;Acc:MGI:44396]	-0.89031908	0.045619511
Nos1	nitric oxide synthase 1, neuronal [Source:MGI Symbol;Acc:MGI:44396]	-0.38190246	0.045751323
Nipbl	NIPBL cohesin loading factor [Source:MGI Symbol;Acc:MGI:364946]	-0.18907088	0.04603238
Glul	glutamate-ammonia ligase (glutamine synthetase) [Source:MGI Symbol;Acc:MGI:364946]	-0.23575123	0.046072027
Gm12286	predicted gene 12286 [Source:MGI Symbol;Acc:MGI:364946]	-1.89663584	0.046149638
Plscr5	phospholipid scramblase family, member 5 [Source:MGI Symbol;Acc:MGI:19202]	-4.06919492	0.046252575
Insig2	insulin induced gene 2 [Source:MGI Symbol;Acc:MGI:19202]	-0.14240557	0.046262101
Platr6	pluripotency associated transcript 6 [Source:MGI Symbol;Acc:MGI:2154238]	-4.16463009	0.046386132
Plxnb1	plexin B1 [Source:MGI Symbol;Acc:MGI:2154238]	-0.28418904	0.046578701
Bnip3l	BCL2/adenovirus E1B interacting protein 3-like [Source:MGI Symbol;Acc:MGI:95295]	-0.16440193	0.046662654
Chrna7	cholinergic receptor, nicotinic, alpha polypeptide 7 [Source:MGI Symbol;Acc:MGI:95295]	-0.49299588	0.046665948
Fit1	FMS-like tyrosine kinase 1 [Source:MGI Symbol;Acc:MGI:95295]	-0.40877594	0.046693779
Adcyap1r1	adenylate cyclase activating polypeptide 1 receptor 1 [Source:MGI Symbol;Acc:MGI:579116]	-0.26584726	0.046760544
Castor2	cytosolic arginine sensor for mTORC1 subunit 2 [Source:MGI Symbol;Acc:MGI:579116]	-0.36670066	0.046774076
Gm45351	predicted gene 45351 [Source:MGI Symbol;Acc:MGI:579116]	-3.26315579	0.046811408
Gm6851	predicted pseudogene 6851 [Source:MGI Symbol;Acc:MGI:1354709]	-1.37720222	0.047028024
Sap30l	SAP30-like [Source:MGI Symbol;Acc:MGI:1354709]	-0.10863052	0.047113624
Fech	ferrochelatase [Source:MGI Symbol;Acc:MGI:95513]	-0.10153763	0.047126663
Mtrr	5-methyltetrahydrofolate-homocysteine methyltransferase re [Source:MGI Symbol;Acc:MGI:566269]	-0.35469102	0.047279954
Gm42560	predicted gene 42560 [Source:MGI Symbol;Acc:MGI:566269]	-3.51315579	0.047349031
Klri2	killer cell lectin-like receptor family I member 2 [Source:MGI Symbol;Acc:MGI:566308]	-2.2067195	0.047472109
Gm42944	predicted gene 42944 [Source:MGI Symbol;Acc:MGI:566308]	-0.45768297	0.047507221
Stambpl1	STAM binding protein like 1 [Source:MGI Symbol;Acc:MGI:1270126]	-0.13351853	0.047599891
Gfra1	glial cell line derived neurotrophic factor family receptor alpha [Source:MGI Symbol;Acc:MGI:579133]	-0.21604474	0.047769049
Gm45494	predicted gene 45494 [Source:MGI Symbol;Acc:MGI:579133]	-0.49568502	0.04777159
Gm15672	predicted gene 15672 [Source:MGI Symbol;Acc:MGI:378317]	-0.67546116	0.047803314
2310016G11Rik	RIKEN cDNA 2310016G11 gene [Source:MGI Symbol;Acc:MGI:365174]	-1.16968347	0.048126713
Gm13142	predicted gene 13142 [Source:MGI Symbol;Acc:MGI:365174]	-2.98567715	0.048392128
Dtna	dystrobrevin alpha [Source:MGI Symbol;Acc:MGI:106039]	-0.16891606	0.048437572
Ppm1f	protein phosphatase 1F (PP2C domain containing) [Source:MGI Symbol;Acc:MGI:579117]	-0.16483352	0.048462053
Gm45339	predicted gene 45339 [Source:MGI Symbol;Acc:MGI:579117]	-2.99283571	0.048860027
Ulk1	unc-51 like kinase 1 [Source:MGI Symbol;Acc:MGI:1270126]	-0.29945554	0.048880815
Gm19248	predicted gene, 19248 [Source:MGI Symbol;Acc:MGI:50114]	-3.16039452	0.049135331
Gm11578	predicted gene 11578 [Source:MGI Symbol;Acc:MGI:365050]	-2.7057214	0.049155147
Espn	espin [Source:MGI Symbol;Acc:MGI:1861630]	-0.47963073	0.049314147
Gm47849	predicted gene, 47849 [Source:MGI Symbol;Acc:MGI:60970]	-2.7057214	0.049558588
Dennd2a	DENN/MADD domain containing 2A [Source:MGI Symbol;Acc:MGI:95295]	-0.31839687	0.049718301
Irs1	insulin receptor substrate 1 [Source:MGI Symbol;Acc:MGI:95295]	-0.5818922	0.049754029
Lzic	leucine zipper and CTNBP1 domain containing [Source:MGI Symbol;Acc:MGI:5531397]	-0.20859419	0.04986028